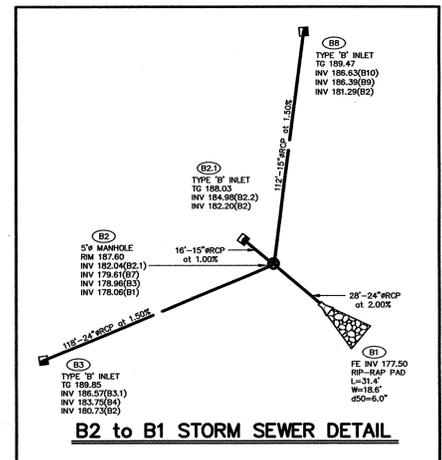


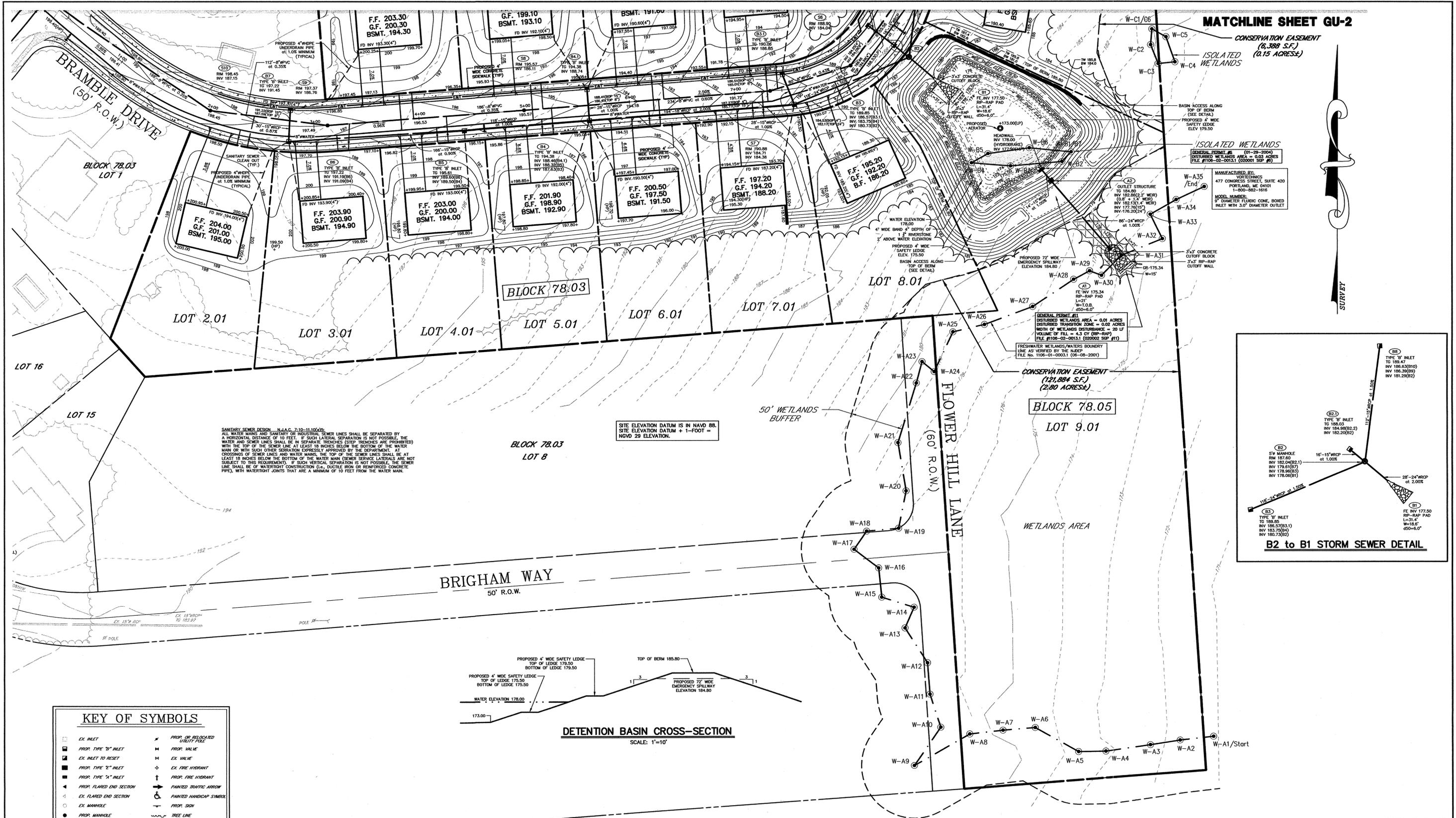
CONSERVATION EASEMENT (8,388 S.F.) (0.15 ACRES)

ISOLATED WETLANDS

MANUFACTURED BY: VORTECHNICS 477 CONGRESS STREET, SUITE 420 PORTLAND, ME 04101 1-800-882-1616

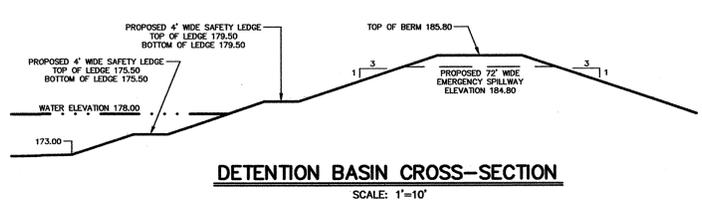


B2 to B1 STORM SEWER DETAIL

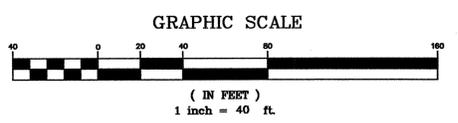


SANITARY SEWER DESIGN - N.J.A.C. 7-10-11.10(a) ALL WATER MAINS AND SANITARY OR INDUSTRIAL SEWER LINES SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF 10 FEET...

SITE ELEVATION DATUM IS IN NAVD 88. SITE ELEVATION DATUM + 1-FOOT = NVD 29 ELEVATION.



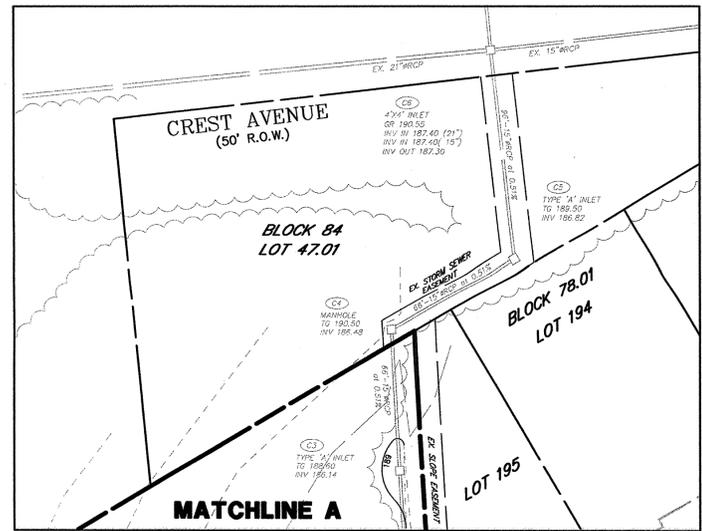
DETENTION BASIN CROSS-SECTION SCALE: 1"=10'



KEY OF SYMBOLS table with various symbols for inlets, manholes, valves, and property lines.

REVISIONS table with columns for NO., DATE, and DESCRIPTION.

MENLO ENGINEERING ASSOCIATES, INC. CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS. BRIAR CLIFFE GRADING & UTILITY PLAN-1.



MATCHLINE SHEET GU-3

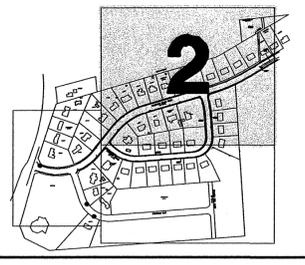
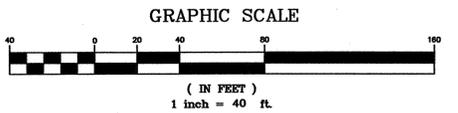
MATCHLINE A

MATCHLINE A

SITE ELEVATION DATUM IS IN NAVD 88. SITE ELEVATION DATUM + 1-FOOT = MVD 29 ELEVATION.

CONSERVATION EASEMENT (6,388 S.F.) (0.15 ACRES±)

MATCHLINE SHEET GU-1 SHEET 7 OF 26



DATE: 02/15/13

THIS DRAWING IS FOR PERMIT PURPOSES ONLY AND IS NOT FOR CONSTRUCTION UNLESS THIS HAS BEEN CHECKED AND DATED.

CHOKO BY: [Signature]

1.) NDEP COMMENTS	10/09/02
2.) TWP COMMENTS	11/18/02
3.) WATER/SANITARY	09/09/04
4.) TWP COMMENTS	09/17/04
5.) TWP COMMENTS	10/25/04
6.) SCS/TWP COMMENTS	11/05/04
7.) TWP COMMENTS	11/22/04
8.) TWP COMMENTS	12/14/04
9.) SANITARY AND WATER	03/08/05
10.) WATERLINE	03/21/05
11.) TWP/NDP COMMENTS	06/17/05
12.) TWP COMMENTS	09/27/05
13.) STORM SEWER NOTE	11/02/05
14.) NDEP COMMENTS	04/30/12

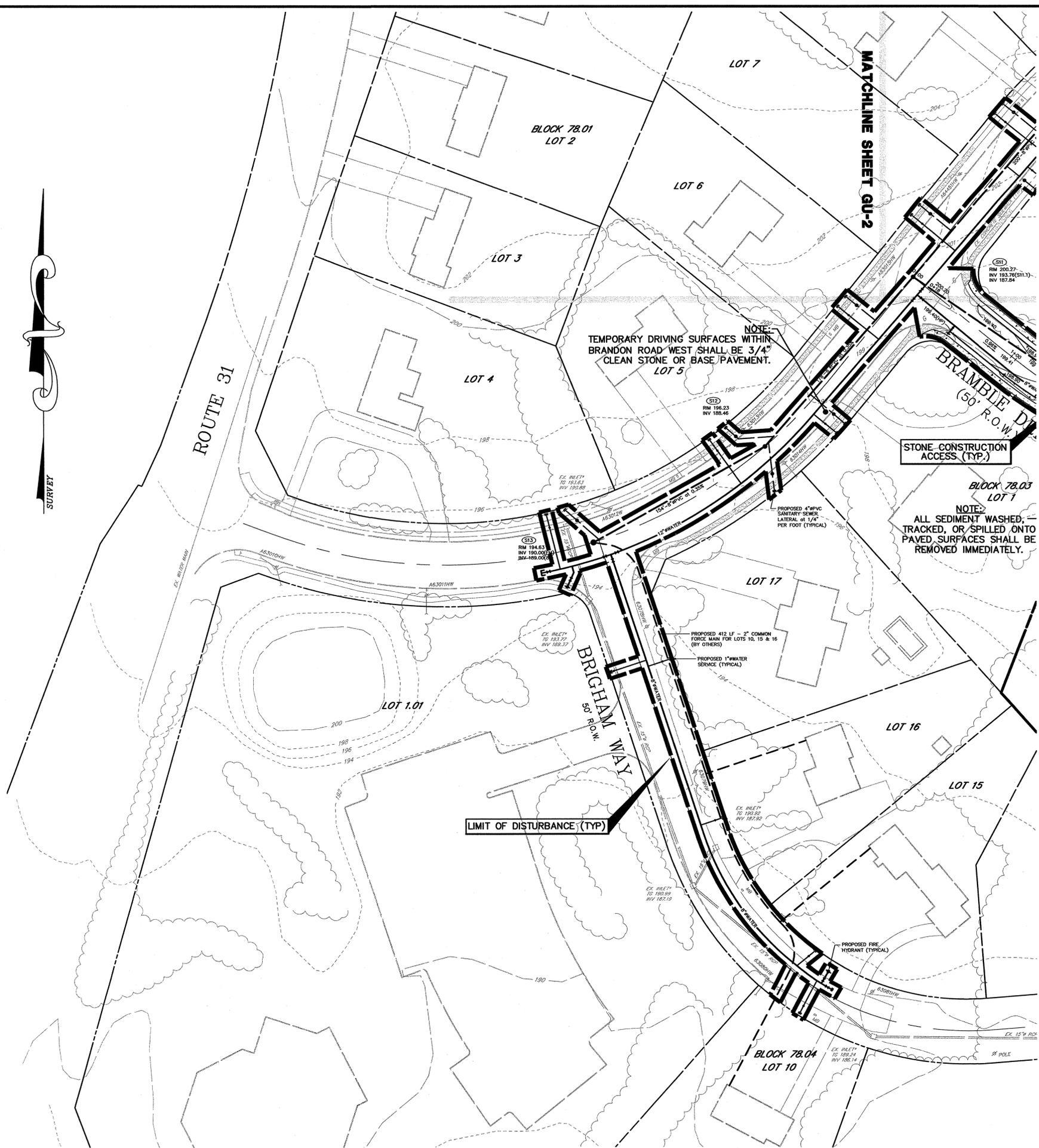
THIS WORK PREPARED UNDER MY PROFESSIONAL SUPERVISION.

EDWARD R. COCO
PROFESSIONAL ENGINEER/
LAND SURVEYOR
NJ PE#LS#26264

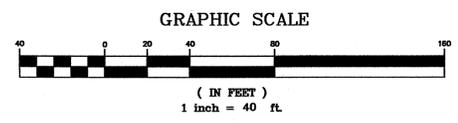
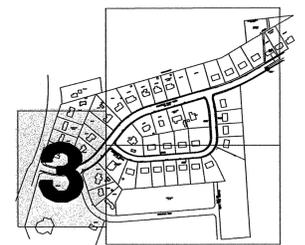
MENLO ENGINEERING ASSOCIATES, INC.
CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS
281 CLEVELAND AVENUE HIGHLAND PARK, NEW JERSEY 08904
PHONE: (732) 846-8585 FAX: (732) 846-9439
CERTIFICATE OF AUTHORIZATION: 246A27951900

BRIAR CLIFFE
TOWNSHIP OF HOPWELL, MERCER COUNTY, NEW JERSEY
PRELIMINARY MAJOR SUBDIVISION
GRADING & UTILITY PLAN-2
BLOCK 78.01 LOT 15, BLOCK 78.02 LOTS 6-9, BLOCK 78.03 LOTS 2-7 & BLOCK 78.05 LOT 1 TAX MAP SHEET No. 20 13.69 ACRES±

DRWN. BY: RMC DATE OF ISSUE: JUNE 11, 2002 SCALE: 1"=40'
DSGN. BY: WAL CAD # 2000048G2
CHKD. BY: ARC JOB # 2000.048
APPR. BY: ARC REV. 17.) FEBRUARY 15, 2013 DWG # GU-2



KEY OF SYMBOLS			
□	EX. INLET	⊕	PROP. OR RELOCATED UTILITY POLE
■	PROP. TYPE "D" INLET	⊕	PROP. VALVE
◻	EX. INLET TO RESET	⊕	EX. VALVE
■	PROP. TYPE "C" INLET	⊕	EX. FIRE HYDRANT
■	PROP. TYPE "A" INLET	⊕	PROP. FIRE HYDRANT
◁	PROP. FLARED END SECTION	→	PAINTED TRAFFIC ARROW
◁	EX. FLARED END SECTION	→	PAINTED HANDICAP SYMBOL
○	EX. MANHOLE	—	PROP. SIGN
●	PROP. MANHOLE	—	TREE LINE
○	EX. MANHOLE TO BE RESET	—	GUARD RAIL
→	DRAINAGE FLOW	—	RAILROAD TRACKS
⊕	EX. UTILITY POLE	▭	RIP-RAP PAD
—	PROP. PROPERTY LINE	—	PROP. PROPERTY LINE
—	EX. PROPERTY LINE	—	EX. PROPERTY LINE
—	EX / PROP. FENCE	—	CONCRETE SIDEWALK
—	CONCRETE SIDEWALK	—	PROP. FORCE MAIN (BY OTHERS)
—	PROP. FORCE MAIN (BY OTHERS)	—	PROP. FOUNDATION UNDERDRAIN (HOPE PIPE)



SHEET 8 OF 26

THIS DRAWING IS FOR PERMIT PURPOSES ONLY. IT IS NOT TO BE USED FOR CONSTRUCTION UNTIL THIS BOX HAS BEEN CHECKED AND DATED.

DATE: _____

CHKD BY: _____

DESIGNED BY: _____

PREPARED UNDER MY SUPERVISION:

 R. COCO
 PROFESSIONAL ENGINEER/
 LAND SURVEYOR
 NJ PE&LS#26264

MENLO ENGINEERING ASSOCIATES, INC.
 CIVIL ENGINEERS, LAND SURVEYORS AND PROFESSIONAL PLANNERS
 251 CLEVELAND AVENUE, HIGHLAND PARK, NEW JERSEY 08904
 PHONE: (732) 846-8585 FAX: (732) 846-9439
 CERTIFICATE OF AUTHORIZATION: 24GA27951900

BRIAR CLIFFE
 TOWNSHIP OF HOPEWELL, MERCER COUNTY, NEW JERSEY
 PRELIMINARY MAJOR SUBDIVISION

GRADING & UTILITY PLAN-3 & SOIL EROSION CONTROL PLAN-3
 BLOCK 78.01 LOT 15, BLOCK 78.02 LOTS 6-9, BLOCK 78.03 LOTS 2-7 & BLOCK 78.05 LOT 1 TAX MAP SHEET No. 20 13.69 ACRES±

DRWN. BY: RMC
 DSGN. BY: WAL
 CHKD. BY: ARC
 APPRD. BY: ARC

DATE OF ISSUE: MARCH 8, 2005
 REV. 7.) JANUARY 16, 2013

SCALE: 1"=40'
 CAD # 2000048GU3
 JOB # 2000.048
 DWG # GU-3