

REMOVE
EXIST. PAVEMENT

ALTERNATIVE 5B
RELOCATE AND REHABILITATE
TRUSSES FOR
PEDESTRIAN USE

ALTERNATIVE 5B
REMOVE AND SALVAGE
STONE MASONRY (TYP.)

REPAIR/RECONSTRUCT
STONE RUBBLE WALL

CONSTRUCT NEW
APPROACH ROADWAY
32' - 40' WIDE (MAX.)

CONSTRUCT
RETAINING WALL
L=190'

REMOVE
EXIST. PAVEMENT

TWO-WAY TRAFFIC
CONSTRUCT NEW BRIDGE
(SINGLE SPAN)

CONSTRUCT
NEW INTERSECTION

CONSTRUCT
NEW ABUTMENTS AND
WINGWALLS (TYP.)

CONSTRUCT
RETAINING WALL

120
100
80

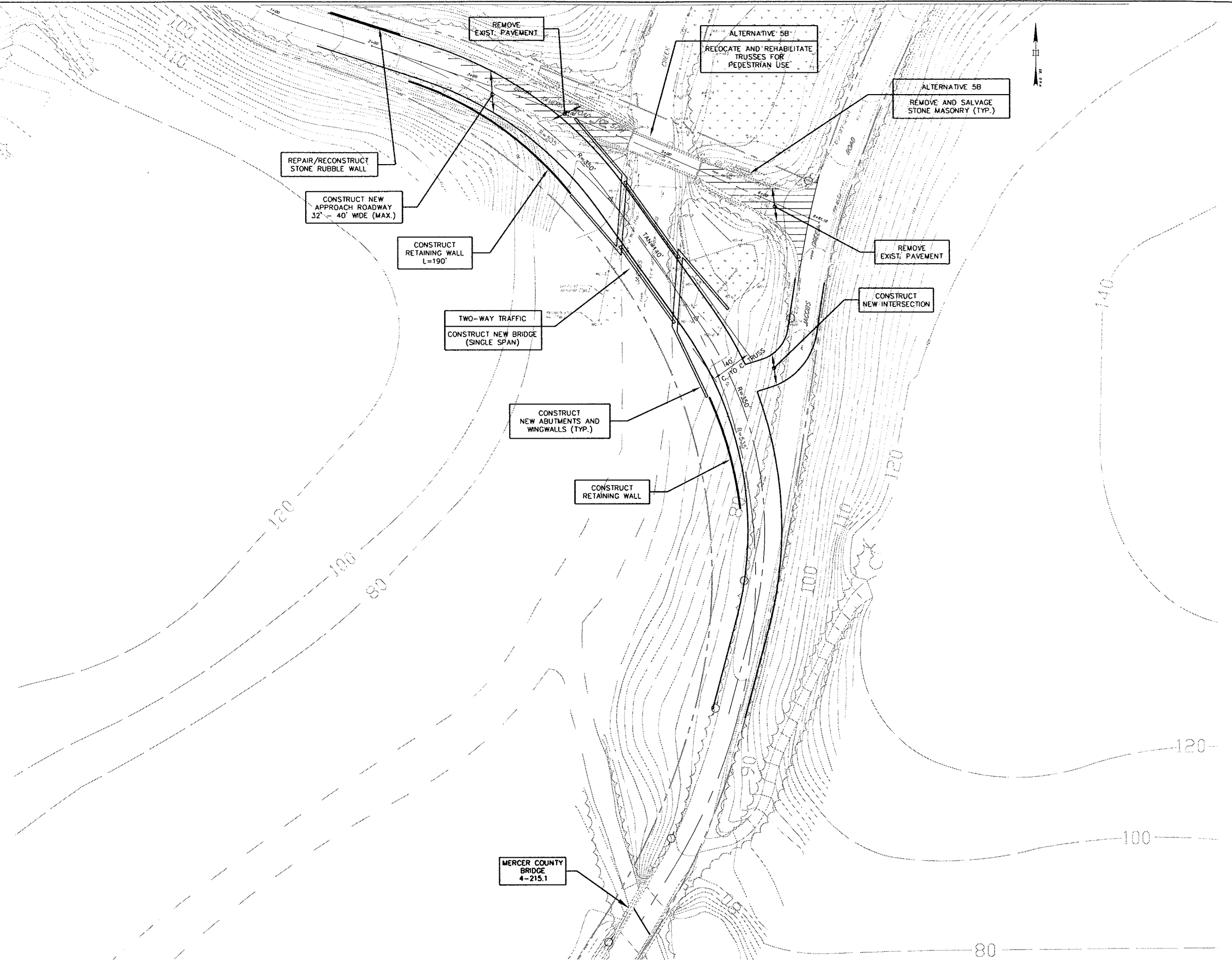


W:\2005088\DWG\DSGNDWG\PLN-5B90M-BROKE (XREF: BEAR-D/P-BEAR535R90)

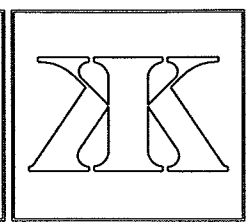
ALTERNATIVE 5B-3
 DESIGN SPEED: 40 MPH
 POSTED SPEED: 35 MPH
 RADIUS: 350' (e=4%)
 TANGENT: 140'
 BRIDGE SPAN: SINGLE SPAN
 90'
 SKEW: 50°
 WIDTH: 40' (C. TO C. TRUSS)

REVISED SPAN AND WIDTH
RAD./TANGENT/RAD. ALIGNMENT

PLAN
SCALE: 1"=100'



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 Certificate of Authorization
 #24GA28037400
 CONSULTING ENGINEERS LAND SURVEYORS LANDSCAPE ARCHITECTS PLANNERS



HISTORIC BRIDGE ALTERNATIVES ANALYSIS
 MERCER COUNTY BRIDGE No. 214.2
 BEAR TAVERN ROAD OVER JACOB'S CREEK
 TOWNSHIP OF HOPEWELL, MERCER COUNTY
 ALTERNATIVE 5A/5B
 MODIFIED 3

PLATE
No. 29