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8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.141	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26960 ENGINEER
Rebecca M. Shaw, P.E.
DocuSigned by: 1665E2B4A9A7EF4...
11/17/2016

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033023 ENGINEER
Bradley S. Kilgour, P.E.
DocuSigned by: 73D472120A31454...
11/17/2016

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

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Charlotte, North Carolina 704-357-0488
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Knoxville, Tennessee 865-546-5800
Middlesboro, Kentucky 606-248-6600
Spartanburg, South Carolina 864-574-4775

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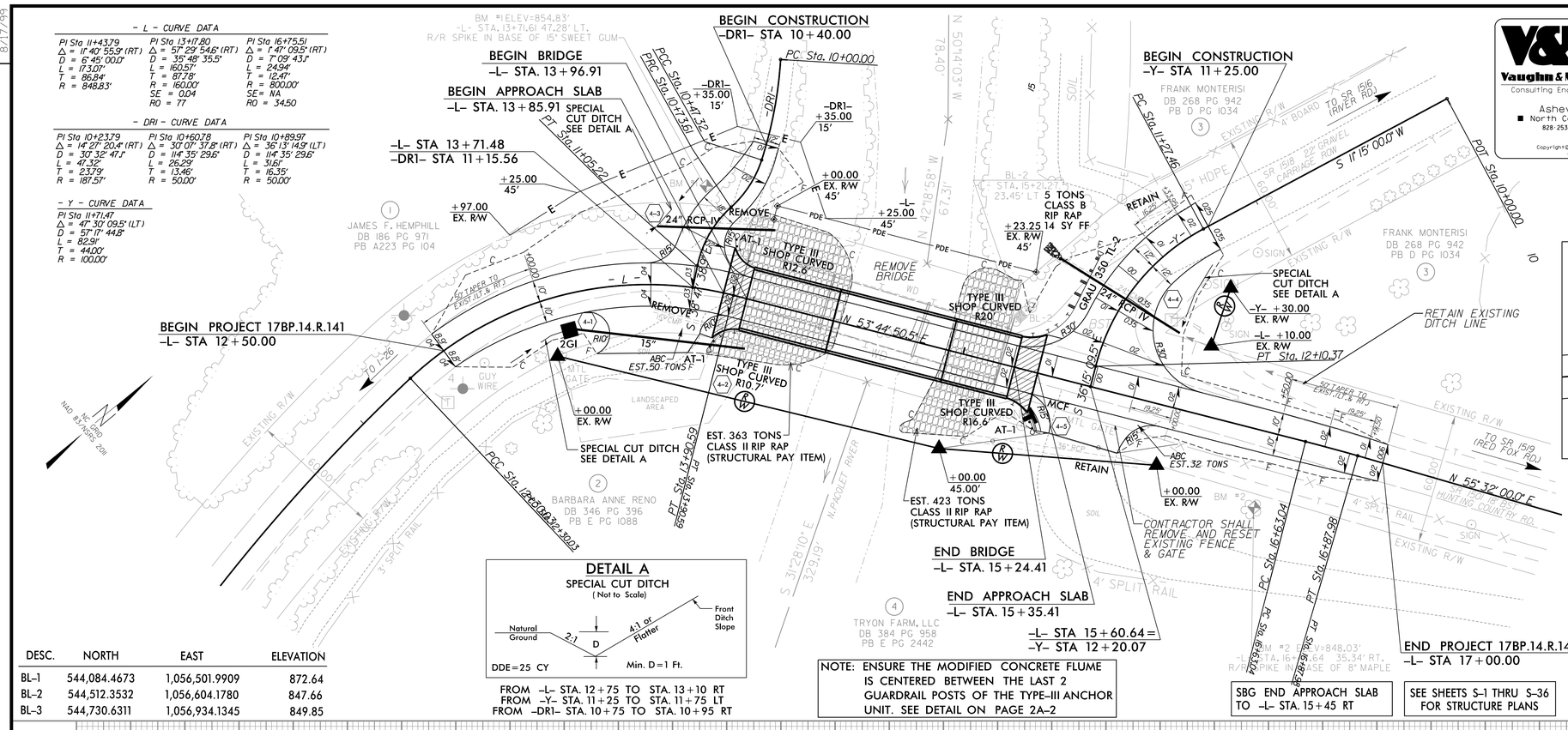
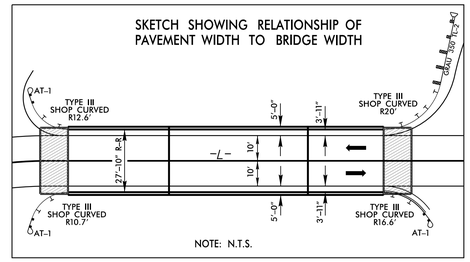


DESC.	NORTH	EAST	ELEVATION
BL-1	544,084.4673	1,056,501.9909	872.64
BL-2	544,512.3532	1,056,604.1780	847.66
BL-3	544,730.6311	1,056,934.1345	849.85

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)

FROM -L- STA. 12+75 TO STA. 13+10 RT
FROM -Y- STA. 11+25 TO STA. 11+75 LT
FROM -DR1- STA. 10+75 TO STA. 10+95 RT

SKETCH SHOWING RELATIONSHIP OF PAVEMENT WIDTH TO BRIDGE WIDTH

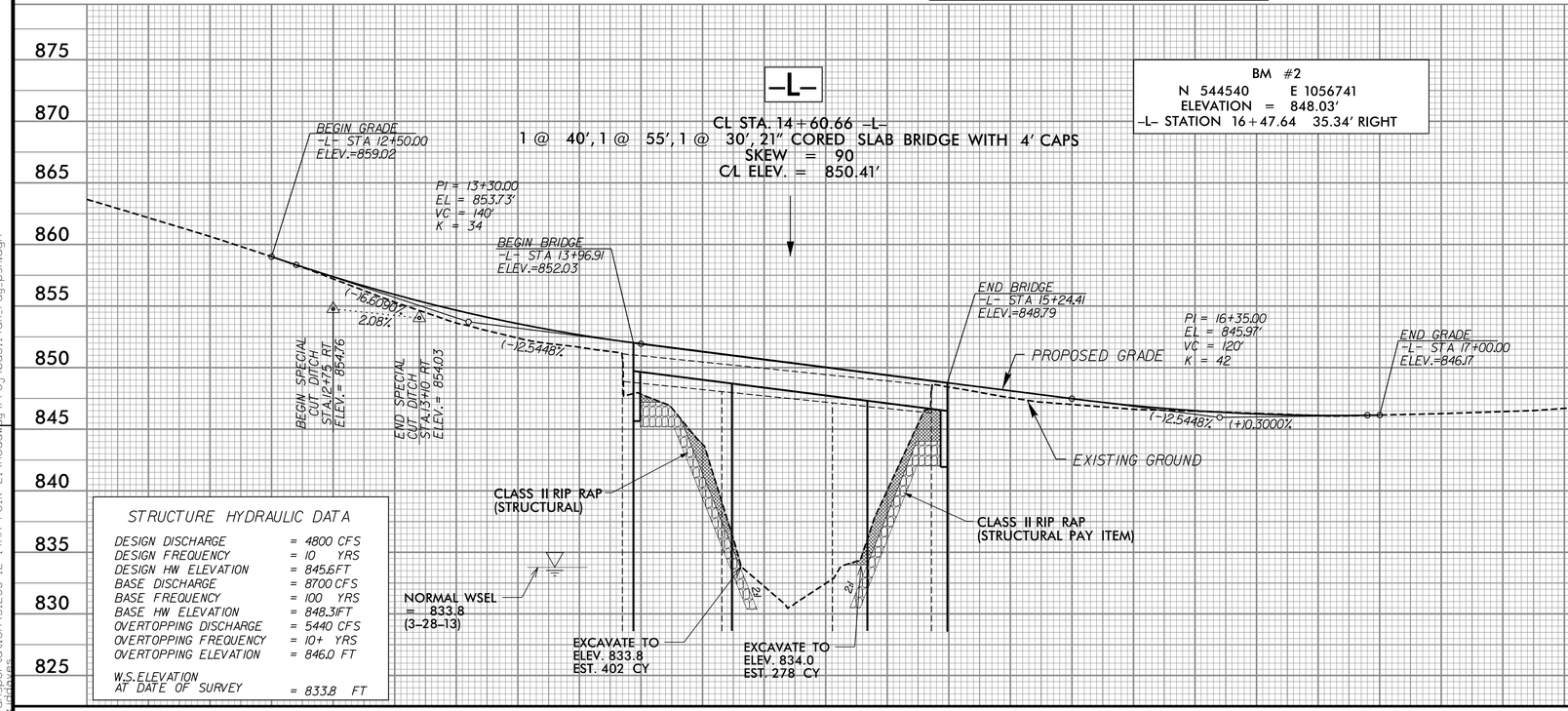


NOTE: N.T.S.

DATUM DESCRIPTION

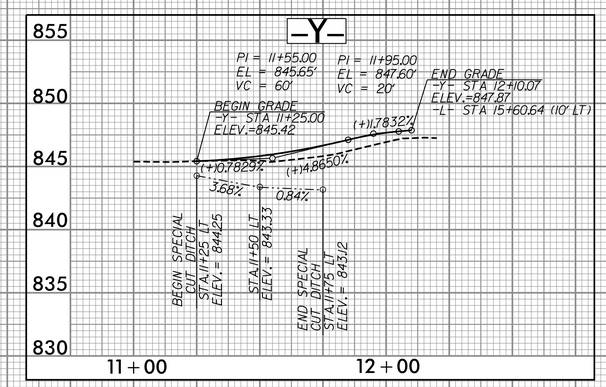
THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "17BP.14.R.141 BL-3"
WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF
NORTHING: 544730.6311(ft) EASTING: 1056934.1345(ft)
ELEVATION: 849.85(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99979400
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "17BP.14.R.141 BL-3" TO -L- STATION IS

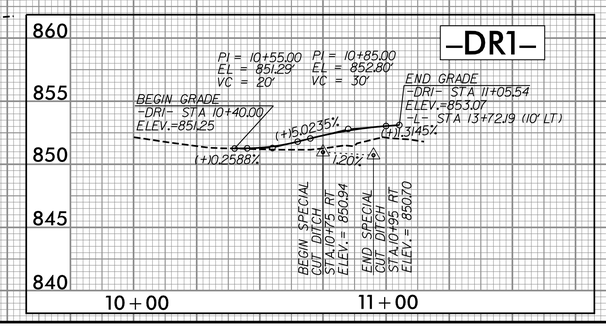
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88



STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 4800 CFS
DESIGN FREQUENCY	= 10 YRS
DESIGN HW ELEVATION	= 845.6FT
BASE DISCHARGE	= 8700 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 848.31FT
OVERTOPPING DISCHARGE	= 5440 CFS
OVERTOPPING FREQUENCY	= 10+ YRS
OVERTOPPING ELEVATION	= 846.0 FT
W.S.ELEVATION AT DATE OF SURVEY	= 833.8 FT





11/16/2016
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User: dgreves