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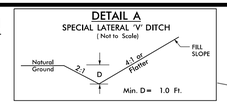
8/17/99

-L- CURVE DATA

PI Sta 12+01.47	PI Sta 14+65.33	PI Sta 15+63.93
△= 52° 33' 43.6" (RT)	△= 6° 17' 24.3" (LT)	△= 0° 41' 19.3" (LT)
D = 15° 26' 37.0"	D = 4° 53' 49.5"	D = 1° 00' 00.0"
L = 340.35'	L = 128.45'	L = 68.87'
T = 183.21'	T = 64.29'	T = 34.44'
R = 371.00'	R = 1,170.00'	R = 5,729.58'
SE = 0.04	SE = 0.04	SE = 0.04
RO = 69'	RO = 34.5'	RO = 69'

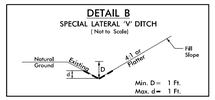
DESC.	NORTH	EAST	ELEVATION
BL-1	576,046.9716	1,017,799.2559	1010.31
BL-2	576,230.6936	1,018,042.5002	1012.05
BL-3	576,308.2228	1,018,266.0060	1009.72

DETAIL A
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



FROM STA. 12+00 TO STA. 12+25 LT.
FROM STA. 12+80 TO STA. 13+25 LT.

DETAIL B
SPECIAL LATERAL 'V' DITCH
(Not to Scale)



FROM STA. 11+50 TO STA. 12+00 LT.

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.142 BL-2" WITH NAD 83/NSRS 2011 STATE PLANE GRID COORDINATES OF NORTHING: 576230.6936(ft) EASTING: 1018042.5002(ft) ELEVATION: 1012.05(ft)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.99978250
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "17BP.14.R.142 BL-2" TO -L- STATION 10+15 IS 347.76' AT S51°42'00"W
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NAVD 88

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.142	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26960 ENGINEER
DocuSigned by: Kevin Dowling
4/6/2017

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033023 ENGINEER
DocuSigned by: Evaline O. Kinnaw, PE
4/6/2017

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Spartanburg, South Carolina 864 574 4775
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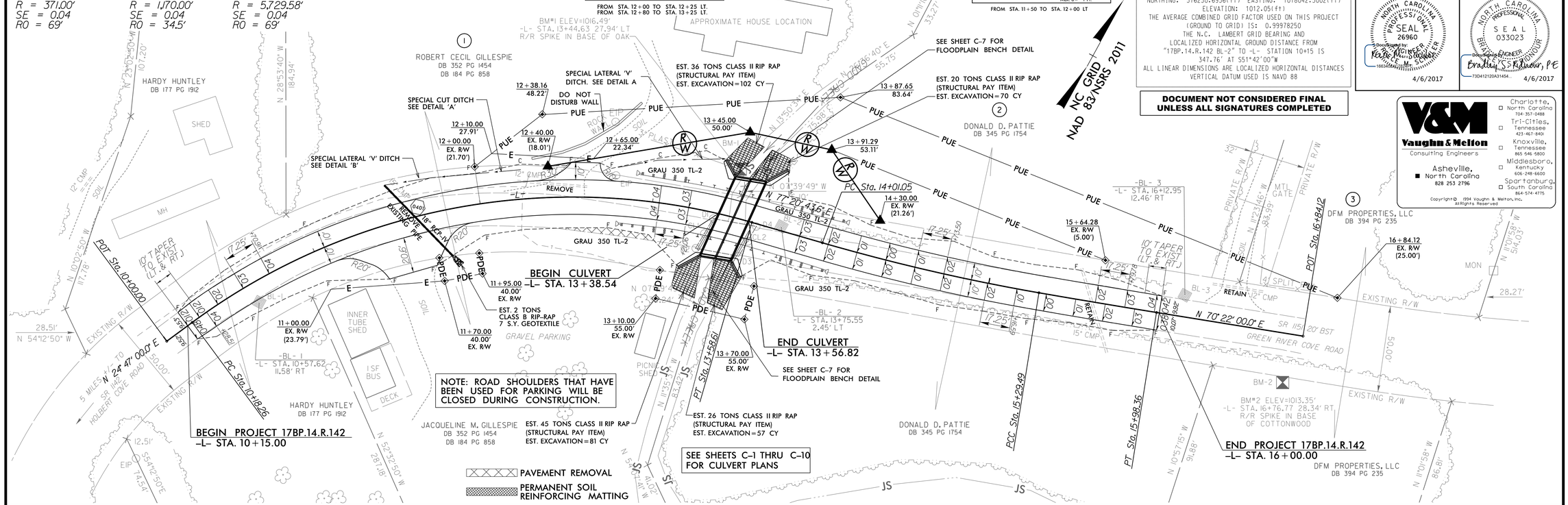
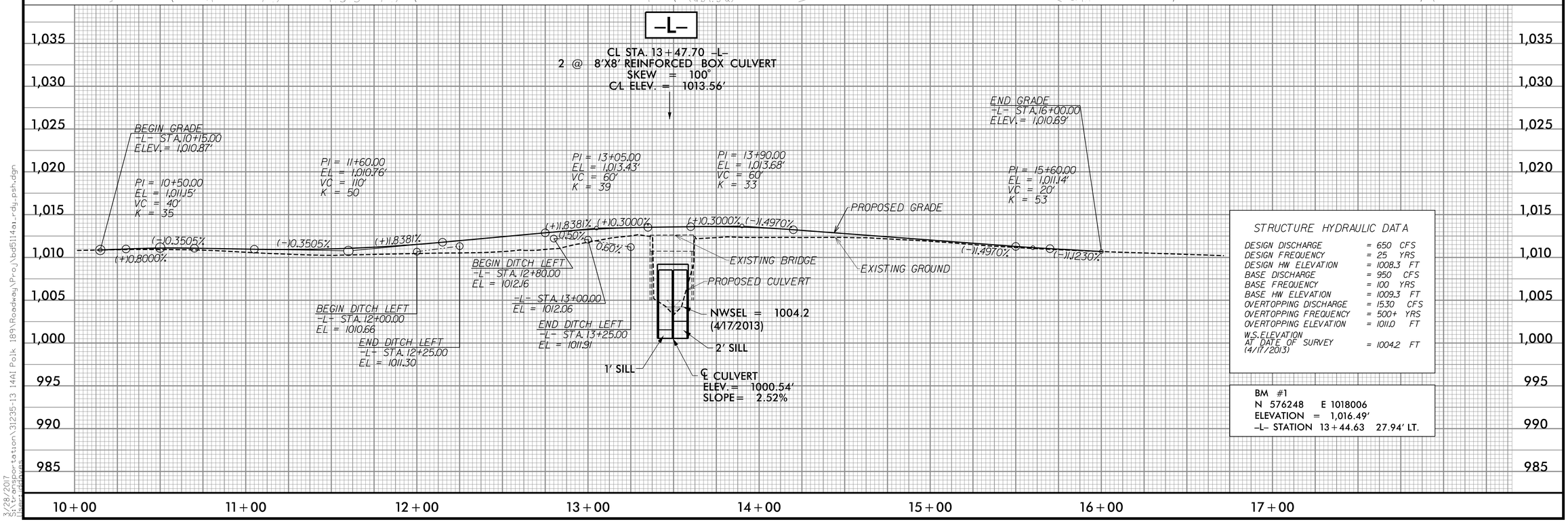


NOTE: ROAD SHOULDERS THAT HAVE BEEN USED FOR PARKING WILL BE CLOSED DURING CONSTRUCTION.

SEE SHEETS C-1 THRU C-10 FOR CULVERT PLANS



STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE	= 650	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 1008.3	FT
BASE DISCHARGE	= 950	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 1009.3	FT
OVERTOPPING DISCHARGE	= 1530	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 1011.0	FT
W.S.ELEVATION AT DATE OF SURVEY (4/17/2013)	= 1004.2	FT

BM #1
N 576248 E 1018006
ELEVATION = 1,016.49'
-L- STATION 13+44.63 27.94' LT.

3/28/2017
S:\Transportation\31235-13 1441 Polk 189\Roadway\Proj\bd5114a1_rdy_psh.dgn
User: dhaves