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8/17/99

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PROJECT REFERENCE NO.	SHEET NO.
17BP.14.R.137	4

R/W SHEET NO.

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Atlanta, GA 770-627-3509
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ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26960 ENGINEER ROBERT W. SCHULER
DocuSigned by: 1/23/2017

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 31977 ENGINEER KEVIN B. ALFORD
DocuSigned by: 1/23/2017
2BE802BEB76044D...

SKETCH SHOWING RELATIONSHIP OF PAVEMENT WIDTH TO BRIDGE WIDTH

NAD 83 /NA 2011

DETAIL A
SPECIAL CUT DITCH
(Not to Scale)

FROM –L– STA. 11+50 TO STA. 12+50 RT.
FROM –L– STA. 14+25 TO STA. 16+50 LT.

DETAIL B
STANDARD 'V' DITCH
(Not to Scale)

DDE=32 CY
Type of Liner= Est. 38 TONS Class B Rip-Rap w/ 114 SY FF

FROM –L– STA. 12+50 TO STA. 13+19 RT.
FROM –L– STA. 13+85 TO STA. 14+25 LT.

DETAIL C
RIP RAP AT EMBANKMENT
(Not to Scale)

Type of Liner= A TONS,CL II Rip-Rap
Geotextile= B sy

–L– STA. 13+23 +/– RT.
A=8, B=10
–L– STA. 13+80 +/– LT.
A=9, B=11

SHOULDER BERM GUTTER
–L– STA 12+70 TO
BEGIN APPROACH SLAB RT.

SEPTIC SYSTEM DRAINFIELD LINES, APPROXIMATE LOCATION, DRAWN FROM 29 YEAR OLD SEPTIC SYSTEM PERMIT DRAWING PROVIDED BY THE TRANSYLVANIA COUNTY ENVIRONMENTAL HEALTH DEPARTMENT ON 2/10/14, ALSO FIELD VERIFIED 7/11/14. DO NOT DISTURB THIS AREA DURING CONSTRUCTION.

SEE SHEETS S-1 THRU S-34 FOR STRUCTURE PLANS

-L- CURVE DATA

PI Sta 11+39.03	PI Sta 12+50.06	PI Sta 15+86.28
Δ= 2° 59' 23.2" (LT)	Δ= 57° 51' 20.5" (RT)	Δ= 65° 18' 57.3" (LT)
D = 5° 45' 53.6"	D = 37° 12' 18.2"	D = 37° 12' 18.2"
L = 51.86'	L = 155.50'	L = 175.56'
T = 25.94'	T = 85.11'	T = 98.71'
R = 993.87'	R = 154.00'	R = 154.00'
SE = 0.02	SE = 0.04	SE = 0.04
RO = 38.5	RO = 77	RO = 77
	Vd = 25 mph	Vd = 25 mph

12/22/2016
\\vmpc.local\Transportation\31235-08 14AD Transylvania 86\Roadway\Proj\BD5114Ad_rdy_psh.dgn