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8/17/99

REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-5730	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

DocuSigned by: Jimmy L. Terry — STATE OF NORTH CAROLINA PROFESSIONAL SEAL 035018 ENGINEER JIMMY L. TERRY — 11/12/2021

DocuSigned by: Benjamin J. Herbekian — STATE OF NORTH CAROLINA PROFESSIONAL SEAL 044158 ENGINEER BENJAMIN J. HERBEKIAN — 11/12/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

TGS ENGINEERS
804-C N. LAFAYETTE ST
SHELBY, NC 28150
PH (704) 476-0003
CORP. LICENSE NO.: C-0275

-L- CURVE DATA
PI Sta 19+39.22
△ = 48° 02' 26.3" (LT)
D = 4° 35' 01.2"
L = 1,048.08'
T = 557.07'
R = 1,250.00'
SE = 0.04
DS = 55 MPH

-Y1- CURVE DATA
PI Sta 10+98.09
△ = 9° 16' 35.4" (LT)
D = 7° 09' 43.1"
L = 129.52'
T = 64.90'
R = 800.00'
SE = 0.02
DS = 15 MPH
PI Sta 14+39.12
△ = 11° 22' 25.9" (RT)
D = 4° 17' 30.5"
L = 265.01'
T = 132.94'
R = 1,335.00'
SE = 0.06
DS = 35 MPH
(2) -Y1-PC 10+33.19

-DR- CURVE DATA
PI Sta 10+56.80
△ = 79° 14' 04.6" (LT)
D = 114° 35' 29.6"
L = 69.15'
T = 41.39'
R = 50.00'
(3) -DR- PC 10+15.41
(4) -DR- PT 10+84.56
(B1) N 84° 21' 33.9" W
(B2) S 16° 24' 21.5" W

DETAIL 1
SPECIAL LATERAL 'V' DITCH
(Not to Scale)
Natural Ground — 2:1 — D — 4:1 or Flatter — Fill Slope
Min. D = 1.5 Ft.

FROM -L- STA. 20+00 TO STA. 21+00 LT
FROM -L- STA. 21+00 TO STA. 23+00 RT
FROM -L- STA. 26+57 TO STA. 27+50 LT
FROM -Y1- STA. 10+50 TO STA. 12+70 RT

11/8/2021
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jsersmelvin