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PROJECT REFERENCE NO.	SHEET NO.
U-6055	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
SEAL 35018 ENGINEER JIMMY L. TERRY 10/23/2018 12:01:35 PM PDT	SEAL 044158 ENGINEER BENJAMIN J. HERLEGER 10/23/2018 12:05:22 PM PDT

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 13+08.52
Δ = 22° 57' 33.0" (LT)
D = 22° 55' 05.9"
L = 100.18'
T = 50.77'
R = 250.00'
SE = 02
DS = 25 MPH
① -L-PC 12+57.75
② -L-PT 13+57.93

-Y1- CURVE DATA
PI Sta 10+87.53
Δ = 5° 15' 45.0" (RT)
D = 3° 41' 47.4"
L = 142.36'
T = 71.23'
R = 1,550.00'
SE = NC
DS = 45 MPH

-Y2- CURVE DATA
PI Sta 11+00.02
Δ = 14° 08' 54.6" (RT)
D = 8° 11' 06.4"
L = 172.86'
T = 86.87'
R = 700.00'
SE = 03
DS = 40 MPH
③ -Y2-PC 10+13.15

-Y3- CURVE DATA
PI Sta 11+44.84
Δ = 15° 17' 45.1" (RT)
D = 22° 55' 05.9"
L = 66.74'
T = 33.57'
R = 250.00'
SE = 02
DS = 25 MPH

-Y4- CURVE DATA
PI Sta 12+61.87
Δ = 73° 57' 13.4" (RT)
D = 88° 08' 50.5"
L = 83.90'
T = 48.94'
R = 65.00'
SE = EXIST.

-Y4- CURVE DATA
PI Sta 10+24.92
Δ = 14° 12' 20.8" (LT)
D = 28° 38' 52.4"
L = 49.59'
T = 24.92'
R = 200.00'

PI Sta 11+40.70
Δ = 22° 41' 35.3" (RT)
D = 57° 17' 44.8"
L = 39.61'
T = 20.07'
R = 100.00'
SE = 03
DS = 20 MPH
④ -Y4-PC 11+20.63
⑤ -Y4-PT 11+60.24

DETAIL 1
LATERAL BASE DITCH
(Not to Scale)
Natural Ground; GEOTEXTILE; Fill Slope; 1"Fr.
*When B is < 6.0'
Min. D = 1.5 Ft.
Max. d = 1.5 Ft.
B = 2.0 Ft.
b = 5.0 Ft.
Type of Liner = Class 'I' Rip-Rap
FROM -L- STA. 10+77 TO STA. 11+68 LT
DDE = 70 CY

BEGIN TIP
PROJECT U-6055
-L- STA. 12+00.00

BEGIN CONSTRUCTION
-Y1- STA. 10+70.00
NAD 83/NSRS 2007

BEGIN CONSTRUCTION
-Y4- STA. 10+55.00

END TIP
PROJECT U-6055
-Y3- STA. 12+50.00

END CONSTRUCTION
-Y- STA. 10+40.00

END CONSTRUCTION
-Y2- STA. 11+50.00

MATCHLINE -L- STA. 11+40.00
MATCH TO INSET A

INSET A
MATCHLINE -L- STA. 11+40.00
MATCH TO THIS SHEET

BEGIN CONSTRUCTION
-L- STA. 10+77.00

FOR ROUNDABOUT LAYOUT SEE SHEET NO. 2B-1
FOR -L-, -Y1- & -Y2- PROFILES, SEE SHEET NO. 5
FOR -Y3- & -Y4- PROFILES, SEE SHEET NO. 6

REVISIONS
8/17/99

10/23/2018
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USER:smcLYD