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8/17/99

-PVTENT2-

PI Sta 12+02.15
△ = 74° 25' 49.3" (RT)
D = 38° 11' 49.9"
L = 194.86'
T = 113.92'
R = 150.00'
e = SEE PLANS

PI Sta 10+44.14
△ = 4° 23' 44.6" (RT)
D = 4° 58' 56.1"
L = 88.23'
T = 44.14'
R = 1,150.00'
e = SEE PLANS

-L-

PIs Sta 854+72.58
θs = 7° 11' 58.1"
Ls = 480.00'
LT = 320.27'
ST = 160.24'

PI Sta 860+97.91
△ = 27° 23' 57.3" (LT)
D = 2° 59' 59.2"
L = 913.38'
T = 465.59'
R = 1,910.00'
SE = SEE PLANS
DS = 70 MPH

SUNGATE DESIGN GROUP, P.A.
905 JONES FRANKLIN ROAD
RALEIGH, NORTH CAROLINA 27606
TEL (919) 859-2243
ENG FIRM LICENSE NO. C-890

Stantec
Stantec Consulting Services Inc.
801 Jones Franklin Road
Suite 300
Raleigh, NC 27606
Tel. (919) 851-6866
Fax. (919) 851-7024
www.stantec.com
License No. F-0672

PROJECT REFERENCE NO.	SHEET NO.
R-2707E	4
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 044480 ENGINEER MATTHEW B. FERGUSON
4/21/2023

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER JOSHUA G. DALTON
4/21/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

END TIP PROJECT R-2707D
BEGIN TIP PROJECT R-2707E
POT STA.851+00 -L-

END CONSTRUCTION
POC Sta.12+75.00 -PVTENT2-

PCC Sta. 10+88.23 -PVTENT2-

BEGIN CONSTRUCTION
POC Sta.10+75.00 -PVTENT2-

PC Sta. 10+00.00 -PVTENT2-

PT Sta. 12+83.09 -PVTENT2-

POT Sta. 13+44.72 -PVTENT2-
BK BRG N 16° 13' 06.8" E

TS Sta. 851+52.31 -L-
BK BRG S 23° 50' 54.0" E

SC Sta. 856+32.31 -L-

MATCH -L- STA 850+15.00 SEE INSET THIS SHEET

MATCHLINE -L- STA 860+00.00 SEE SHEET 5

SHOULDER BERM GUTTER FROM STA. 851+00 TO STA. 851+15 -L- MED LT

SHOULDER BERM GUTTER FROM STA. 851+00 TO STA. 875+50 -L- LT

SHOULDER BERM GUTTER FROM STA. 851+00 TO STA. 851+15 -L- MED RT

SHOULDER BERM GUTTER FROM STA. 851+00 TO STA. 851+30 -L- RT

LAT. 4' BASE CHANNEL W/EMBEDDED CL 'II' RIP RAP EST. 226 TONS, EST. 1511 CY DDE SEE DETAIL #1

SPEC. LAT. 'V' DITCH W/CL 'B' RIP RAP EST. 115 TONS EST. 181 SY GF SEE DETAIL #19

SPEC. LAT. 3' BASE DITCH W/CL 'I' RIP RAP EST. 1390 TONS EST. 2437 SY GF SEE DETAIL #6

STD. 3' BASE DITCH W/CL 'I' RIP RAP SEE R-2707D SHEET 19

STD. 3' BASE CHANNEL W/CL 'I' RIP RAP EST. 432 TONS, EST. 753 SY GF LENGHT=345', SLOPE=4.8% EST. 320 CY DDE SEE DETAIL #5

FS, SEE DETAIL #33

FS, SEE DETAIL #34

FS TO EL 678.5 SEE DETAIL #32

FS, SEE DETAIL #33

FLOWABLE FILL

REMOVE

REMOVE EXTG 1@6'X4' RCBC

FRENCHLESS INSTALLATION 60" WELDED STEEL

DO NOT BURY INVERT

R2707-22

APPROX. LOCATION AS PER PLANS FOR EROSION CONTROL FOR BUFFALO VALLEY MINE

APPROX. LOCATION OF SEPTIC SYSTEM

840' TAPER

300' TAPER (LT)

PROPOSED WW FENCE

RETAIN

RETAIN EXIST. R/W

R/W PURCHASED UNDER TIP R-2707E FORMERLY PARCEL 078

R/W PURCHASED UNDER TIP R-2707D

R/W PURCHASED UNDER TIP R-2707D FORMERLY PARCEL 077

635 WESTLEY M. LAIL DB 1629 PG 1844

634 HAL STAN QUEEN DB 035 PG 622 DB 7-P PG 414 DB 1192 PG 816

175 ASPHALT PAVING OF SHELBY, INC. DB 15-S PG 117 DB NNN PG 32 DB FFF PG 543 DB YY PG 352

079 RONNIE BRADY CHEEK CATHY CORNWELL CHEEK DB 1444 PG 2041 DB 1436 PG 2438

079 RONNIE BRADY CHEEK CATHY CORNWELL CHEEK DB 1436 PG 2438, TRACT 2

080 JERRY LEE ALLEN DB 1642 PG 924

635 WESTLEY M. LAIL DB 1629 PG 1844 FORMERLY PARCEL 078

POT Sta. 12+00.00 -SRII-

END CONSTRUCTION
POT Sta. 11+95.45 -SRII-

POC STA.859+66.56 -L-
223.57' RT=
POT STA.11+45.45 -SRII-
38.47' LT

POT Sta.10+00.00 -SRII-

BEGIN CONSTRUCTION
POT Sta. 10+60.95 -SRII-

BEGIN CONSTRUCTION R-2707E
POT STA.849+12.00 -L-

MATCH -L- STA 850+15.00 SEE THIS SHEET

NAD 83-95

BY34-440

BY38-201

REFERENCES:
FOR -L- PROFILE, SEE SHEET NO. 16
FOR -SR11- PROFILE, SEE SHEET NO. 41
FOR -PVTENT2- PROFILE, SEE SHEET NO. 42

4/6/2023
c:\users\mferguson\documents\pw_working\dms43124\R2707E_RDY_PSH04.dgn
mferguson