DocuSign Envelope ID: 901BDDA9-B95D-4CD2-9EC6-1A37AA5CA05A

PROJECT REFERENCE NO.	SHEET NO.
R-2707C	25
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 15869 ENGINEER

DocuSigned by: James R. Essig
265E0A242E83411...
4/12/2017

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER

DocuSigned by: Joshua Brandon Ballou
1089AD8C1488444...
4/12/2017

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4865 FAX

SDG Sungate Design Group, P.A.
Planning, Landscape Architecture, Environmental
910-A Jones Franklin Rd.
Raleigh, N.C. 27606
PE 17-10-1050

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/95

GARY ALSOBROOK
DB 1151 PG 2051

15

FIRST CREEK RIVER

S 76°22'49" E 32.49'

S 76°22'49" E 128.55'

S 86°58'11" E 252.24'

S 61°85'00" W 584.96'

20

7
DEBBIE ANN WEBBER
DB 1240 PG 632

-Y2- TS 19+14.64

-Y2- SC 20+64.64

BEGIN SHOULDER BERM GUTTER +51 LT

PROP. GUARDRAIL

-Y2- POC 23+85.00
BEGIN GRADE
-Y2- POC 22+85.00
-DR4- POT 10+00.00
-Y2- POC 21+75.00
BEGIN CONSTRUCTION
BEGIN OVERLAY

+85.00 -Y2-
80.00 (LT)

+40.00 -Y2-
Ex.R/W (LT)

MATCHLINE STA 25+00 -Y2- STA 12+00 SEE SHEET 4

GRADE TO DRAIN

2GI-B W/NSFG

PLUG

GRAU 350 TL-3

(250)

8.0' PS

24.0'

VAR. R/W

EXISTING R/W

S 15° 36' 18.7" W

SR 1850 METCALF RD 22' EST

8' TAPER

PROP. GUARDRAIL

GRAU 350 TL-2

BY10-362

PUE

+70.00 -Y2-
Ex.R/W (RT)
46.00 (RT)

+40.00 -Y2-
Ex.R/W (LT)

S 72° 53' 00.1" W

-DR4- PC 10+11.05

-DR4- PCC Sta. 10+46.20

+45.80 -Y2-
87.08 (RT)

+44.38 -Y2-
95.53 (RT)

+91.50 -Y2-
95.00 (RT)

+59.20 -Y2-
90.36 (RT)

+57.76 -Y2-
98.34 (RT)

TOE PROTECTION STA 10+40 TO STA 16+60 RT -DR4- CL 'B' RIP RAP SEE DETAIL #44 EST 178 TONS EST 540 SY GEOTEXTILE

1A
LEONARD L. MCSWAIN, JR.
DB 191 PG 199

GARY ALSOBROOK
DB 1163 PG 721

N 54°45'54" W 93.58'

N 51°27'04" W 159.36'

N64°26'25"W 234.39'

LEONARD L. MCSWAIN, JR.
DB 191 PG 199

N65°56'25"W 406.94' EIP 664.75' EIP/COR

1 1Z
OLIVIA A. WITHROW HEIRS
C/O CALVIN LOWE
ESTATE FILE 09E PG 810
REF. DB 1065 PG 243

N 46°29'01" W 200.00'

-Y2-

PIs Sta 20+14.67	PI Sta 31+27.15
Θs = 4° 30' 00.0"	Δ = 96° 06' 18.7" (LT)
Ls = 150.00'	D = 6° 00' 00.0"
LT = 100.03'	L = 1,601.75
ST = 50.03'	T = 1,062.52'
	R = 954.93'
	SE = .06
	R0 = 150'

-DR4-

PI Sta 10+30.96	PI Sta 12+14.82
Δ = 67° 07' 46.8" (LT)	Δ = 20° 20' 22.3" (LT)
D = 190° 59' 09.4"	D = 6° 05' 43.1"
L = 35.15'	L = 333.69'
T = 19.9'	T = 168.62'
R = 30.00'	R = 940.00'

FOR -Y2- PROFILE SEE SHEET 56