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PROJECT REFERENCE NO.	SHEET NO.
R-2707C	23
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 15869 ENGINEER

DocuSigned by: James R. Essig
26569A242E83411...
4/12/2017

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 26971 ENGINEER

DocuSigned by: Jeffrey W. Brumfalon
1089AD8C1428B44...
4/12/2017

moffatt & nichol
4700 FALLS OF NEUSE ROAD, SUITE 300
RALEIGH, NORTH CAROLINA 27609
(919) 781-4626 VOICE (919) 781-4865 FAX
PE 1710-1009

SDG Sungate Design Group, P.A.
Planning, Landscape Architecture, Environmental
910-A James Francis Rd.
Raleigh, N.C. 27606

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/95

78 JOHN M. GAMBLE & WILLIAM M. BOWEN DB 1400 PG 309

80 SPAKE INVESTMENTS, LLC DB 1261 PG 686 PB 20 PG 39

77 NCDOT PB 98CVS PG 1767,1768

625

630

S66°17'59"E 264.90'

S0°20'49"E 400.61'

N 36° 38' 41.11" W

-Y14RPA- STA 7+30

-Y14RPA- STA 621+00 SEE SHEET 22

MATCHLINE -L- STA 633+00 SEE SHEET 24

-Y14RPA- POT 0+00.00
-L- POC 628+24.07
47.00 (LT)

+30.00 -Y14RPA-
83.00 (RT)
137.00 (RT)

+00.00 -Y14RPA-
83.00 (RT)

+93.00 -Y14RPA-
91.31 (RT)
165.00 (RT)

+00.00 -Y14RPA-
153.00 (RT)

M 82°55'30"E 100.00'

REBAR

PUE

GRADING ONLY

FUTURE CABLE GUIDERAIL

-L-

BL-140

BL-139

SHELBY BYPASS

15" RCP-III

18" RCP-III

24" RCP-III

2GI-B

2GI-A

FS

2303 30.00'

2302

2305

2306

2307

2308

2304

230

-Y14RPD- CS 0+00.00 = -L- POC 628+59.80
47.00 (RT)

-Y14RPD- SC 2+20.00

-Y14RPD- CS 5+75.55

+75.55 -Y14RPD- 90.00 (LT)

+20.00 -Y14RPD- 90.00 (LT)

+00.00 -Y14RPD- 96.00 (LT)

CHORD

N30°28'12"W 300.66'

S6°55'28"W 175.04'

N83°47'44"W 394.45'

N83°57'44"W 104.76'

N83°37'44"W 208.72'

-Y11B-

MATCHLINE SEE SHEET 22

MATCHLINE SEE SHEET 39

MATCHLIINE SEE SHEET 40

78 JOHN M. GAMBLE & WILLIAM M. BOWEN DB 1400 PG 309

80 SPAKE INVESTMENTS, LLC DB 1261 PG 686 PB 20 PG 39

108 WILLIAM G. SPAKE DB 72 PG 567

81 THOMAS M. CURRY, JR. & WIFE, VIRGINIA C. CURRY DB 6R PG 156

109 THOMAS MILLS CURRY, III AND WIFE, DEBORAH W. CURRY DB 1674 PG 42

-L-
PI Sta 640+73.56
Δ = 51° 31' 25.8" (RT)
D = 1° 15' 00.0"
L = 4,121.91'
T = 2,212.07'
R = 4,583.66'
SE = .05

-Y14RPD-
PI Sta 1+28.67
θs = 1° 15' 46.6"
θs = 3° 51' 29.9"
Ls = 220.00'
LT = 128.67'
ST = 91.50'

PI Sta 3+98.63
Δ = 13° 43' 05.4" (LT)
D = 3° 51' 29.9"
L = 355.55'
T = 178.63'
R = 1,485.00'
SE = .08
R0 = 200'

-Y14RPD-
PI Sta 6+42.24
θs = 3° 51' 29.9"
Ls = 200.00'
LT = 133.37'
ST = 66.70'

-Y11B-
PI Sta 22+25.61
Δ = 20° 00' 00.0" (RT)
D = 4° 58' 56.1"
L = 401.43'
T = 202.78'
R = 1,150.00'

FOR -L- PROFILE SEE SHEET 55
FOR -Y14RPA- PROFILE SEE SHEET 71
FOR -Y14RPD- PROFILE SEE SHEET 73