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8/17/99

Dewberry
2610 WYCLIFF ROAD
SUITE 410
RALEIGH, NC 27607
PHONE: 919.881.9939
NC COA No. F-0929

PROJECT REFERENCE NO.	SHEET NO.
R-5737	2B-9
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042034 ENGINEER DENNIS J. NORK
8/28/2021

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037841 ENGINEER STEVEN M. BONDON
8/27/2021

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83 /2011

CURVE DATA FOR -DET3-

PI Sta 10+82.99
△ = 75° 19' 39.9" (RT)
D = 76° 23' 39.7"
L = 98.60'
T = 57.89'
R = 75.00'
Se = .02
Runoff = 40'

CURVE DATA FOR -DETA-

PI Sta 11+17.94	PI Sta 13+52.31
△ = 11° 13' 35.5" (LT)	△ = 11° 09' 16.5" (RT)
D = 4° 46' 28.7"	D = 4° 46' 28.7"
L = 235.13'	L = 233.62'
T = 117.94'	T = 117.18'
R = 1,200.00'	R = 1,200.00'
Se = .02	Se = .02
Runoff = 50'	Runoff = 50'

-DET2- STA. 13+00.00

MATCH TO SHEET 2B-10 – -DET2- STA. 24+00.00

-DET3- POT Sta. 10+00.00=
-DET2- POT Sta. 16+16.59

-DET3- PT Sta. 11+23.70

END CONSTRUCTION
-DET3- POT Sta. 12+25.00

-DET3- POT Sta. 12+99.72=
-Y6- PC Sta. 34+16.54

-DET3- PC Sta. 10+25.10

-DET2- N 51° 48' 48.2" E

-DETA- PC Sta. 10+00.00 =
-DET2- POT Sta. 16+50.00 (48.34' RT.)

-DETA- PRC Sta. 12+35.13

-DETA- PT Sta. 14+68.75=
-DET2- POT Sta. 21+15.80 (3' RT.)

BM2

N 52° 08' 28.0" E

SR 1874 CALDCLEUGH RD 20' BST

2 TONS CL B RIP RAP
7 SY GEOTEXTILE
TEMP GREU TL-3
TEMP 18"
RETAIN
RETAIN DI
TEMP 2GI GRASS
TEMP 15" RCP-III
REMOVE DI
PORTABLE CONC. BARRIER
TEMP CRASH CUSHION
TEMP TB JB SLAB TOP.
PAVE EXISTING MEDIAN 315' EOP TO EOP
-DET2- +35 BEG. MED. PAVING & PCB
1000' LEFT TURN LANE
POSSIBLE W/L EASEMENT SEE SURVEY REPORT
R/W MON
EIP R/W 0.34' ERP

-DETA-

BEGIN GRADE
-DETA- Sta.12+01.25
EL = 710.80

END GRADE
-DETA- Sta.13+23.06
EL = 712.85

PROPOSED GRADE
(+)1.6829%
EXISTING GROUND

-DET3-

BEGIN GRADE
-DET3- Sta.10+12.70 =
-DET2- Sta.16+99.89 (12.3' LT)
EL = 705.88

PI = 10+45.00
EL = 707.01'
VC = 60'
K = 49
DS = 30 MPH

PI = 11+45.00
EL = 711.74'
VC = 70'
K = 13
DS = 25 MPH

END GRADE
-DET3- Sta.12+25.00
EL = 711.06

PROPOSED GRADE
(+)5.5000%
(+)4.7300%
(-)0.8506%
EXISTING GROUND

765 755 745 735 725 715 705 695 685 675

10 11 12 13 14 15 16 17 18 19

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