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HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

PROJECT REFERENCE NO.	SHEET NO.
R-2707F	10

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 044575 ENGINEER KEVIN TELLIER

DocuSigned by: Kevin Tellier BF70B0B0B5E8...
12/13/2017

HYDRAULICS ENGINEER

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/95

8/17/99

REVISIONS

MATCH LINE -L- STA 140+00
SEE SHEET 9

-L- 140

-L- 145

-L- 150

2SFD

S

GR

GR

MICHAEL J. RHEA
DB 1136 PG 1448

5SBW

MTL
4TE

EXISTING R/W

-L-
PIs Sta 150+35.23
Θs = 2° 36' 15.7"
Ls = 300.00'
LT = 200.02'
ST = 100.02'

PI Sta 158+11.64
Δ = 23° 10' 04.9" (LT)
D = 1° 44' 10.4"
L = 1,334.38'
T = 676.43'
R = 3,300.00'
DS = 70 MPH
e = .06

-L- TS Sta. 148+35.20

-L- SC Sta. 151+35.20

PROPOSED GUARDRAIL

PROPOSED DOUBLE FACED CABLE GUIDERAIL

BEGIN SHOULDER BERM GUTTER +00.00 -L-

10' PS

4' FDPS

24"

23'

-BL- 65

N 81° 44' 38.6" E

-L-

CABLE GUIDERAIL ANCHOR UNIT

18" RCP

24" RCP

CAT-1

8:1

50' INC.

10' FDPS

12' PS

GREU TL-3

MATCH LINE -L- STA 153+00
SEE SHEET 11

MICHAEL J. RHEA
DB 1136 PG 1448

N 84°36'09" W
598.62'

N 02°23'31" E
100.00'

EIP

N 84°36'09" W
1754.96'

48" WW

48" WD

WD RAIL

MTL

B

FOR -L- PROFILE, SEE SHEETS 33 & 34

08-DEC-2017 13:48
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HNTB