DocuSign Envelope ID: 8083E1C7-3560-4162-9287-DF4724349390

-L- CURVE DATA		-EBL- CURVE DATA		-Y2- CURVE DATA	
PI Sta 325+93.35	PIs Sta 336+40.47	PI Sta 22+13.97	PIs Sta 31+94.22	PI Sta 17+51.69	PI Sta 25+33.97
Δ = 29° 51' 28.7" (RT)	Θs = 1° 41' 15.0"	Δ = 26° 54' 47.0" (RT)	Θs = 2° 15' 00.0"	Δ = 12° 14' 45.1" (RT)	Δ = 6° 40' 00.0" (RT)
D = 1° 30' 00.0"	Ls = 225.00'	D = 1° 30' 00.0"	Ls = 300.00'	D = 2° 07' 30.0"	D = 1° 45' 00.0"
L = 1,990.53'	LT = 150.01'	L = 1,794.20'	LT = 200.02'	L = 576.28'	L = 380.95'
T = 1,018.42'	ST = 75.01'	T = 913.97'	ST = 100.01'	T = 289.24'	T = 190.69'
R = 3,819.72'		R = 3,819.72'		R = 2,696.27'	R = 3,274.04'
SE = .06		SE = .06			
DS = 75 MPH		DS = 75 MPH			

PROJECT REFERENCE NO.	SHEET NO.
HB-0002	6

R/W SHEET NO.

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 35016 ENGINEER JONATHAN C. HOPKINS

DocuSigned by: Jonathan C. Hopkins 8/8/2024

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 15833 ENGINEER JERRY L. LINDLEY

DocuSigned by: Jerry L. Lindley 8/8/2024

WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107

TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS 8/17/99

END PROPOSED GRADE BEGIN MILLING, RESURFACING, AND WIDENING -L- STA. 325+60.00

END TIP PROJECT HB-0002 -L- STA. 331+50.00

SPECIAL CUT DITCH (SEE DETAIL P)
CLASS I RIP RAP=40 TONS
GEOTEXTILE=251 SY

END PROPOSED WOVEN WIRE FENCE (47") -L- STA. 329+50.00

END CONSTRUCTION -EBL- STA. 29+25.00

MATCHLINE -L- STA. 325+00 SEE SHEET 5

-Y2- PT Sta. 20+38.73
-Y2- PC Sta. 23+43.28
-Y2- PT Sta. 27+24.23
-Y2- POT Sta. 28+02.65
-L- CS Sta. 335+65.47
-L- ST Sta. 337+90.47
-EBL- CS Sta. 30+94.20
-EBL- ST Sta. 33+94.20

RICHARD A. ROBINSON DB 480 PG 933
DESMOND S. SUAREZ DB 519 PG 762
LOUIS D. WORLEY DB 1033 PG 492
ADAM B. KING DB 815 PG 138
HARLEY ENTERPRISES, LLC DB 859 PG 471

NC GRID NAD 83 NA 2011

S 74° 04' 00.0" E
S 67° 24' 00.0" E

TOE PROTECTION (SEE DETAIL F)
RETAIN
REMOVE CON. DITCH
REMOVE CONCRETE DITCH
15" RCP-III
REMOVE DI & 5' 15"CMP
2GI
RETAIN CONCRETE DITCH
FLOWABLE FILL
CAT-1
REMOVE CONCRETE DITCH
TB 2GI
TRENCHLESS INSTALLATION 18" WELDED STEEL
18" W/2 ELBOWS
15" W/2 ELBOWS
50' TAPER TO EXIST.
F GREU TL-3
SR 1631 FREEDOM DR. 22' BST
I-40 WESTBOUND
I-40 EASTBOUND

LATERAL 2' BASE DITCH W/CLASS I RIP RAP (SEE DETAIL K)
DDE=230 CY
CLASS I RIP RAP=103 TONS
GEOTEXTILE=184 SY

CLASS I RIP RAP EST. 3 TONS GEOTEXTILE 7 SY

END SBG STA. 26+00 EBL

SPECIAL CUT DITCH (SEE DETAIL L)

FOR PROFILES, SEE SHEETS: 7 THRU 11
FOR DRAINAGE DETAILS, SEE SHEETS: 2D-1 THRU 2D-9
FOR STRUCTURE DETAILS, SEE SHEETS: S-1 THRU S-5 & W-1 THRU W-4

3/18/2024
I:\HB0002_rdy_esh_06.dgn
USER:Hydraulics

DocuSign Envelope ID: 8083E1C7-3560-4162-9287-DF4724349390