DocuSign Envelope ID: A0DED1A9-452E-4E50-94FE-C33E83B0BF5C

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
15BPR.20	7

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 18470 ENGINEER EDWARD GLENN EDENS, JR. — DocuSigned by: Edward Glenn Edens, Jr. — 12/7/2020	NORTH CAROLINA PROFESSIONAL SEAL 037863 ENGINEER MEME D. BUSCEMI — DocuSigned by: Meme D. Buscemi — 12/7/2020

Prepared in the Office of: **AECOM**
NC FIRM LICENSE Nos F-0342
701 Corporate Center Drive, Suite 475
Raleigh, NC 27607
(919) 854-6200 · (919) 854-6259(FAX)

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

NAD 83/2011

MATCHLINE - SEE SHEET 6
EBL STA 131+50
WBL STA 231+50
-L- STA 41+58.11

Curve EBL2

PI = 134+59.51
DELTA = 5° 24' 53.18" (LT)
D = 2° 15' 48"
T = 119.71'
L = 239.24'
R = 2,531.50'
PC = 133+39.80
PCC = 135+79.04
V = 60 MPH

Curve EBL3

PI = 139+11.56
DELTA = 26° 03' 57.20" (LT)
D = 3° 59' 19"
T = 332.51'
L = 653.51'
R = 1,436.50'
PCC = 135+79.04
PCC = 142+32.56
V = 60 MPH

Curve EBL4

PI = 146+74.34
DELTA = 17° 40' 29.07" (LT)
D = 2° 00' 59"
T = 441.79'
L = 876.55'
R = 2,841.50'
PCC = 142+32.56
PT = 151+09.11
V = 60 MPH

DRAINAGE INLET SPACING AND CONFIGURATION IS INTENDED TO SUPPORT 4 LANE SECTION. ADDITIONAL INLETS WILL BE REQUIRED FOR FUTURE EXPANSION TO 6 LANE SECTION.

REQUEST VIDEO OF PIPES PROPOSED TO RETAIN AS NOTED. CHECK FOR STRUCTURAL INTEGRITY.

END CONSTRUCTION
-L- STA 53+47.91

BEGIN SBG -L- STA. 40+82 LT
END SBG -L- STA. 53+48 LT

VIDEO EXISTING RETAINED PIPE RETAIN

END GR -L- STA. 53+47.91

PCC242+48.08
PCC242+32.56

SLOPE REPAIR
EST. 125 TONS CLASS I RIP RAP
EST. 55 SY GEOTEXTILE

RESTORE EXISTING DITCH IN PLACE TO ORIGINAL CROSS SECTION.

CLEAN OUT INLET

VIDEO EXISTING RETAINED PIPE

RETAIN

VIDEO EXISTING RETAINED PIPE

COLLAR 0714

REMOVE 5 LF 0713

TIE TO EXISTING BARRIER
STA. -L- 49+67.82

CAT-1

END GR -L- STA. 52+37.79

PCC242+63.61

446' TRANSITION

EST. 3 TONS CLASS B RIP RAP
EST. 10 SY GEOTEXTILE

EST. 2 TONS CLASS B RIP RAP
EST. 7 SY GEOTEXTILE

BEGIN SBG -L- STA. 40+82 LT
END SBG -L- STA. 53+48 LT

PC133+39.80
PC43+47.91

PCC135+79.04
PCC45+88.43

VIDEO EXISTING RETAINED PIPE

RETAIN

CLEAN OUT PIPE

COLLAR 0711

8" CMP
REMOVE 5 LF

VIDEO EXISTING RETAINED PIPE

END TYPE T BARRIER
BEGIN TYPE T1 BARRIER
STA. -L- 41+59.21
REMOVE EX. BARRIER

15" RCP-IV 0701 2GI

N 52° 09' 31" W

REMOVE 0703

0702 2GI 15" RCP-IV 2GI

0704 15" CSP SMOOTH & GUT

0705 0706 0707 0708 0709 0710

ADJUST DI

PROP. CONCRETE MEDIAN BARRIER

RETAIN

VIDEO EXISTING RETAINED PIPE

BEGIN SBG -L- STA. 40+82 RT
END SBG -L- STA. 41+96 RT
40' (TYP)

REMOVE EX. GR

VIDEO EXISTING RETAINED PIPES

RETAIN

CLEAN OUT PIPE

PC233+56.02

PCC235+97.81

450' TRANSITION

RESTORE EXISTING DITCH IN PLACE TO ORIGINAL CROSS SECTION. REPLACE CONCRETE LINING OF EXISTING DITCH LINE

EXISTING R/W

WOODS

BL-15

BL-14

Curve -L-2

PI = 44+68.26
DELTA = 5° 24' 53.18" (LT)
D = 2° 15' 05"
T = 120.35'
L = 240.52'
R = 2,545.00'
PC = 43+47.91
PCC = 45+88.43
V = 60 MPH

Curve -L-3

PI = 49+24.06
DELTA = 26° 03' 57.20" (LT)
D = 3° 57' 05"
T = 335.64'
L = 659.66'
R = 1,450.00'
PCC = 45+88.43
PCC = 52+48.08
V = 60 MPH

Curve -L-4

PI = 56+91.97
DELTA = 17° 40' 29.07" (LT)
D = 2° 00' 25"
T = 443.88'
L = 880.72'
R = 2,855.00'
PCC = 52+48.08
PT = 61+28.80
V = 60 MPH

Curve WBL2

PI = 234+77.00
DELTA = 5° 24' 53.18" (LT)
D = 2° 14' 22"
T = 120.99'
L = 241.79'
R = 2,558.50'
PC = 233+56.02
PCC = 235+97.81
V = 60 MPH

Curve WBL3

PI = 239+36.57
DELTA = 26° 03' 57.20" (LT)
D = 3° 54' 54"
T = 338.76'
L = 665.80'
R = 1,463.50'
PCC = 235+97.81
PCC = 242+63.61
V = 60 MPH

Curve WBL4

PI = 247+09.59
DELTA = 17° 40' 29.07" (LT)
D = 1° 59' 51"
T = 445.98'
L = 884.88'
R = 2,868.50'
PCC = 242+63.61
PT = 251+48.49
V = 60 MPH

FOR EBL PROFILE SEE SHEET 10
FOR WBL PROFILE SEE SHEET 10

12/7/2020
P:\Projects\60587170-I-26.GreenRiver_TO2\900.CAD.GIS\910.CAD\70.NCDOT_TIP\Roadway\Proj\15bpr-20.Rdy.psh07.dgn
elizabeth.hunter