8/17/99

PROJECT REFERENCE NO.	SHEET NO.
B-3159	7
R/W SHEET NO.	

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22610 ENGINEER BRUCE B. PAYNE, JR.
8/13/2015
DocuSigned by: Bruce Payne 18F3AC8AF727432...

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 029388 ENGINEER EDWARD J. VANCE
8/12/2015
DocuSigned by: Edward J. Vance 8264F2B1B3DF494...

-RPA-

PIs Sta 11+97.82
Θs = 8° 58' 47.7"
Ls = 184.00'
LT = 122.82'
ST = 61.48'

PI Sta 13+24.10
Δ = 12° 39' 25.3" (RT)
D = 9° 45' 38.8"
L = 129.67'
T = 65.10'
R = 587.00'
SE = .08

PIs Sta 14+50.15
Θs = 8° 58' 47.7"
Ls = 184.00'
LT = 122.82'
ST = 61.48'

PI Sta 18+86.35
Δ = 48° 51' 27.7" (LT)
D = 12° 54' 16.0"
L = 378.61'
T = 201.68'
R = 444.00'
SE = .08

-Y7-

PI Sta 16+37.49
Δ = 77° 12' 46.1" (RT)
D = 19° 05' 54.9"
L = 404.29'
T = 239.54'
R = 300.00'
SE = .06

-Y-

PI Sta 25+58.78
Δ = 30° 35' 22.0" (RT)
D = 1° 00' 18.7"
L = 3,043.15'
T = 1,558.78'
R = 5,700.00'
SE = EXIST

NAD 83/NSRS 2007

MATCHLINE SHEET 4 -Y- STA. 29+50.00

MATCHLINE SHEET 4 -RPA- STA 17+00.00

GREGORY NORMAN JONES
DB 2037 PG 1639
PB 5 PG 34

DAVID TODD HUNT
DB 1983 PG 455
PB 5 PG 34

JUAN A. MONTOYA
HAGGITH A. MONYOYA
DB 1448 PG 874
PB 5 PG 34

H. CLAY KOONTS
DB 1148 PG 764
PB 5 PG 34

ROY BACEL HOLMAN, JR.
HOMER ROGER HOLMAN
JANET FAYE HOLMAN STEWART
DB 923 PG 138
PB 5 PG 34

HILDA W. FLYNT
DB 840 PG 1150
PB 5 PG 34

GRUBB HOLDINGS COMPANY, LLC
DB 1110 PG 421

THOMAS LEROY LEE
DB 1758 PG 318
PB 5 PG 25

JOHN MILTON FRITTS
BETTY E FRITTS
DB 507 PG 744
PB 5 PG 25

EVA J. SHAW
RALPH SHAW

VIVIAN E. BROADWAY
DB 514 PG 359
PB 5 PG 25

MARGARET P. SMITH, WIDOW
DB 1393 PG 1195
PB 5 PG 34

TODD, J. SURRATT
DB 2012 PG 2079
PB 5 PG 34

JAMES EARL LANIER
DEBRA LANIER
DB 1805 PG 1273
PB 5 PG 34

HEIH, TAM
YIM CHAU WU TAM
DB 1235 PG 948
PB 5 PG 34

ROBERT L. EVERHART, III

CHARLES L. SWICEGOOD
DB 1253 PG 1985

JOHNNY LEE BARKER
AND WIFE
PHYLLIS J. BARKER
DB 449 PG 323
PB IIPG 89

SANDRA DAVIS
DB 1826 PG 958
PB IIPG 89

JEFFERY VON CAUDLE
DB 1522 PG 1855
PB IIPG 89

LARRY HICKS
DB 1341PG 43
PB IIPG 89

GARY S. COOPER
PB IIPG 89

RAJKUMAR DYAL SEENANAN ET UX
NADIA SEENANAN
DB 1444 PG 713
PB IIPG 89

RONALD TERRY
ROSA R. TERRY
DB 787 PG 963
PB IIPG 89

DAVID E. INABINETT
ELIZABETH H. INABINETT
DB 1358 PG 1212

CAROL E. McCANDIES
DB 754 PG 1050

-Y7- 18+51.87 60.00' LT
-Y7- 18+02.23 60.00' LT
-RPA- 16+06.38 100.00' RT
-Y7- 17+08.59 60.00' LT
-RPA- 16+84.67 100.00' RT
END CONSTRUCTION -Y7- POT Sta. 18+53.57
-Y7- 18+51.48 60.00' RT
-Y7- PT Sta. 18+02.23
-Y7- 18+02.23 60.00' RT
-RPA- 16+84.67 70.00' RT
-RPA- SC Sta. 12+59.00
-Y7- 13+97.95 60.00' RT
-Y7- PC Sta. 13+97.95
-Y7- 13+04.00 118.00' RT
-Y7- 13+55.00 PROP R/W
-Y7- 12+85.00 40.00' RT
-RPA- TS Sta. 10+75.00
CLASS 'I' RIP RAP EST. 15 TONS 30 SY GEOTEXTILE
-Y- POC Sta. 36+00.00
-RPA- POT Sta. 10+00.00, 36.00' LT
-Y7- 12+35.00 64.00' RT 40.00' RT
-Y- 38+20.00 145.00' LT EX R/W
BEGIN CONSTRUCTION -Y7- POT Sta. 10+00.00
TIE TO EXISTING GUARDRAIL -Y- STA 39+00.00
END CONSTRUCTION -Y- POC Sta. 39+00.00
-RPA- PC Sta. 16+84.67
-RPA- ST Sta. 15+72.67
-RPA- 13+88.67 55.00' RT
-RPA- CS Sta. 13+88.67
-Y- 34+00.00 99.00' LT
-Y- 36+00.00 90.00' LT
-Y- 37+50.00 85.00' LT END C/A END FENCE
-Y- 33+50.00 106.00' LT
-Y- 30+54.28 EX. R/W
-Y- 34+49.00 EX R/W 146.00' RT
-Y- 34+68.95 146.00'
-Y- 34+78.00 EX R/W 146.00' RT
-Y- 34+58.69 146.00'
END NOISE WALL -Y- STA. 39+03.27
-Y- PT Sta. 40+43.15
TIE TO EXISTING MEDIAN GUARDRAIL -Y- STA 39+00.00 LT & RT
REMOVE EXISTING FENCE
MILL AND OVERLAY
TRENCHLESS INSTALLATION 36" WELDED STEEL
PLUG & FILL
REMOVE DI
300' LANE TAPER
150' LANE TAPER LT & RT
CLASS 'B' RIP RAP EST. 1 TONS 5 SY GEOTEXTILE
15" CSP W/ 2 ELBOWS
END CONSTRUCTION -RPA- POT Sta. 18+53.57
BM#2 N=761288 E=1630122 ELEV=781.59'

N 88°11'00" E 150.52'
S 87°52'18" W 149.43'
S 00°49'00" E 62.50'
N 88°11'00" E 150.18'
S 00°49'00" E 98.80'
N 00°20'05" W 149.56'
N 02°09'45" W 150.05'
S 84°40'53" E 378.63'
N 26°54'30" E 62.67'
N 87°13'55" E 102.80'
N 88°02'45" E 24.72'
N 87°59'01" E 147.25'
N 26°54'30" E 91.84'
N 48°00'48.0" W
N 79°22'40.3" W
N 78°37'48.6" W
S 79°38'09.5" W
S 78°48'11.9" E
S 86°27'58.5" E
S 86°27'43.9" E
S 89°42'06.8" E
S 03°50'14" W 126.41'
S 06°45'41" W 129.40'
S 08°12'08" W 129.22'
S 20°59'19" W 129.23'
S 51°24'11" W 126.40'
S 34°29'49" E 150.00'
S 38°21'55" E 114.00'
S 51°38'05" W 124.69'
S 38°21'55" E 18.68'

DETAIL E
FALSE SUMP (Not to Scale)
Outside Ditch Traffic Flow
10:1 20:1 2' 0.5' Min. 1.0' Max. GI etc.
S=Ditch Slope ℄ Proposed Ditch
FROM STA. -L- 29+50.00 TO STA. -L- 39+00.00 RT

DETAIL F
FALSE SUMP (Not to Scale)
Outside Ditch Traffic Flow
10:1 20:1 2.0' 0.5' Min. 1.0' Max. GI etc.
S=Ditch Slope ℄ Proposed Ditch
FROM STA. -RPA- 10+00.00 TO STA. -RPA- 14+50.00 RT

DETAIL G
FALSE SUMP (Not to Scale)
Median Ditch
9" 2' L (See Chart Below) 20' GI etc.
S=Ditch Slope ℄ Proposed Ditch

Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

FROM STA. -L- 29+50.00 TO STA. -L- 39+00 MEDIAN

PAVEMENT REMOVAL
PAVED SHOULDER

NOTES:
SEE SHEET 9 FOR -RPA- PROFILE.
SEE SHEET 11 FOR -Y7- PROFILE.
SEE SHEET 2B-3 FOR NOISE WALL DESIGN.

12-AUG-2015 07:33
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