ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	PROJECT REFERENCE NO. R-5130	SHEET NO. EC-9/CONST.10
		R/W SHEET NO.	
		CONST.REV.	
		R/W REV.	

METRIC

5 0 10

-Y5-
PI Sta 20+71.318
Θ s = 5° 15' 39.3"
Le = 60.000
Lt = 40.028
St = 20.025

PI Sta 21+61.863
Δ = 30° 09' 20.9" (LT)
Ls = 60.000
Lc = 107.826
R = 260.000
SE = 6%

PI Sta 22+49.141
Θ s = 5° 15' 39.3"
Le = 60.000
Lt = 40.028
St = 20.025

LOOP "B"
PI Sta 0+60.506
Θ s = 20° 49' 00.9"
Le = 90.000
Lt = 60.506
St = 30.461

PI Sta 2+70.083
Δ = 85° 41' 03.4" (RT)
Ls = 226.756
T = 180.053
R = 113.000
SE = 8%

PI Sta 6+65.838
Δ = 43° 59' 18.8" (RT)
Ls = 253.944
T = 347.488
R = 113.000
SE = 8%

PI Sta 6+33.892
Θ s = 20° 40' 13.8"
Le = 90.000
R = 3030.769
PC = 13000
Lt = 89.462
St = 44.956

COAD
PI Sta 24+97.725
Θ s = 1° 52' 55.5"
Le = 100.000
Lt = 67.095
St = 33.554

PI Sta 28+81.815
Δ = 5° 57' 38.8" (RT)
Ls = 535.595
T = 348.077
R = 3,000.000
SE = 2.5%

PI Sta 36+39.289
Δ = 14° 19' 15.0" (RT)
Ls = 600.040
T = 812.404
R = 3,300.000
SE = 2.5%

COBC
PI Sta 25+03.267
Θ s = 1° 56' 31.6"
Le = 99.459
Lt = 66.306
St = 33.254

PI Sta 28+77.312
Δ = 5° 57' 02.7" (RT)
Ls = 678.359
T = 340.593
R = 3,004.369
SE = 2.5%

PI Sta 36+15.814
Δ = 14° 08' 13.2" (RT)
Ls = 677.156
T = 900.856
R = 3,255.000
SE = 2.5%

-Y2-
PI Sta 25+03.231
Θ s = 1° 56' 13.4"
Le = 100.000
Lt = 66.666
St = 33.334

PI Sta 28+80.998
Δ = 5° 57' 20.9" (RT)
Ls = 676.918
T = 344.435
R = 3,057.259
SE = 2.5%

TRUSTEES OF BACK SWAMP BAPTIST CHURCH
DB 10X PG 106

RAMP "B"
PI Sta 0+60.052
Θ s = 1° 51' 59.8"
Le = 90.000
Lt = 60.052
St = 30.047

PI Sta 1+93.84
Δ = 33° 03' 00.2" (LT)
Ls = 201.95
T = 103.84
R = 350.000
SE = 7%

PI Sta 3+41.905
Θ s = 4° 34' 39.8"
Le = 60.000
Lt = 40.05
St = 20.014

RAMP "D"
PI Sta 4+30.088
Θ s = 4° 34' 39.8"
Le = 60.000
Lt = 40.05
St = 20.014

PI Sta 5+07.398
Θ s = 1° 51' 59.8"
Le = 60.000
Lt = 40.05
St = 20.014

PI Sta 5+63.709
Θ s = 1° 51' 59.8"
Le = 60.000
Lt = 40.05
St = 20.014

-Y5A-
PI Sta 10+26.600
Δ = 90° 00' 00.0" (RT)
Ls = 78.400
T = 78.400
R = 15.000

PI Sta 11+11.546
Δ = 82° 02' 43.7" (LT)
Ls = 85.333
T = 52.257
R = 15.000

(25) ROBERT C. COOPER AND WIFE, PATRICIA S. COOPER DB 547 PG 861

(24) GLEN WALVIN WHITTINGTON DB 885 PG 195

(21) GERALD GOOLSBY AND WIFE, JANNICE B. GOOLSBY DB 874 PG 719

(20) LANKLIM JACOBS AND WIFE, HANNAH H. JACOBS DB 531PG 806

(19) AVES BARNES TEDDER DB 406 PG 39

(17) MERYLE BARNES JACKSON DB 86 PG 85

(18) CAROLINA POWER AND LIGHT COMPANY DB 428 PG 345

(23) DONALD R. BEAVOY DB 872 PG 365

(22) CHARLES L. HAM, MARVIN H. HAM, MARK H. HAM, & WILLIAM R. HAM PROP.GUARDRAIL

(26) BETTY MCLEAN DB 72E PG 208

(29) CHARLES GILL MCNEILL DB 885 PG 319

(30) NC DOT

MATCHLINE STA. 15+80.000 -Y5 MATCH TO SHT. NO. 13

MATCHLINE STA. 279+20.000 MATCH TO SHT. NO. 12

MATCHLINE STA. 277+40.000 MATCH TO SHT. NO. 8

MATCHLINE TO SHEET NO. 11

MATCHLINE TO SHEET NO. 11

B

SEE SHEETS NO. 55 AND NO.56
FOR LINE -L- GRADE AND PROFILE.
SEE SHEET NO. 79, FOR RAMP B GRADE AND PROFILE.
SEE SHEETS NO. 80 & 81 FOR LOOP-B GRADE AND PROFILE.
SEE SHEET NO. 57 FOR -Y2- RT LN & -Y2- LT LN GRADES AND PROFILES.
SEE SHEET NO. 104 FOR COAD GRADE AND PROFILE.
SEE SHEET NO. 108 FOR COBC GRADE AND PROFILE.
SEE SHEETS NO. 89 AND NO. 120
FOR LINE -Y5- GRADE AND PROFILE.
SEE SHEET NO. 121 FOR LINE -Y5A- GRADE AND PROFILE.

SEE SHEETS S THROUGH S FOR STRUCTURES PLANS

CLEARING AND GRUBBING
EROSION CONTROL FOR CONSTRUCTION SHEET 10

NOTE: PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE B AND TEMPORARY SILT CHECKS TYPE-A AT DRAINAGE OUTLETS.

NOTE: TEMPORARY SILT FENCE SHALL BE INSTALLED A MINIMUM OF 1 METER FROM TOE OF FILL IN WETLAND AREAS

DENOTES REMOVAL OF EXIST. PAVEMENT

BRIDGE /PAVEMENT RELATIONSHIP SKETCH
N.T.S.