NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 24912 KEVIN E. MOORE 3-16-05

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 18533 A.T. NOTTINGHAM 3/16/05

| METRIC | PROJECT REFERENCE NO. | SHEET NO. |
|---|---|---|
| | R-2552AB | 11 |
| | R/W SHEET NO. | |
| CONST.REV. | ROADWAY DESIGN ENGINEER | HYDRAULICS ENGINEER |
| R/W REV. | | |

REVISIONS

7/06/99

NOTE: SEE SHEETS 21, 22, AND 23 FOR -L- PROFILE
SEE SHEET 28 FOR -RPA- PROFILE
SEE SHEET 29 FOR -RPB- PROFILE
SEE SHEET 30 FOR -RPC- PROFILE
SEE SHEET 31 FOR -RPD- PROFILE
SEE SHEET 25 AND 26 FOR -Y2- PROFILE
SEE SHEET 27 FOR -Y2DET- PROFILE
SEE SHEET 33 FOR SERV.RD.-D- PROFILE
SEE SHEET 2-D FOR DRAINAGE DETAILS
SEE SHEETS S-140 TO S-170 FOR STRUCTURE PLANS

**-RPB-**

PIs Sta 10+42.681
Θs = 4° 38′ 30.1″ (LT)
Ls = 64.000
LT = 42.681
ST = 21.347

PI Sta 11+84.262
Δ = 33° 52′ 01.0″ (LT)
L = 233.480
T = 120.262
R = 395.000
SE = .08
V DES. = 100 KM/H

PIs Sta 13+18.827
Θs = 4° 38′ 30.1″ (LT)
Ls = 64.000
LT = 42.681
ST = 21.347

**-RPB-**

PIs Sta 14+04.294
Θs = 14° 40′ 03.8″ (RT)
Ls = 64.000
LT = 42.814
ST = 21.467

PI Sta 14+86.020
Δ = 51° 40′ 59.4″ (RT)
L = 112.755
T = 60.539
R = 125.000
SE = .08
V DES. = 50 KM/H

**-Y2-**

PI Sta 21+90.727
Δ = 13° 46′ 36.4″ (RT)
L = 553.035
T = 277.858
R = 2,300.000
SE = RC
V DES. = 100 KM/H

**-Y2DET-**

PI Sta 16+67.532
Δ = 21° 31′ 48.9″ (LT)
L = 93.943
T = 47.532
R = 250.000
SE = .02
V = 90 KM/H

**-Y2DET-**

PI Sta 18+79.401
Δ = 44° 56′ 39.5″ (RT)
L = 313.770
T = 165.458
R = 400.000
SE = .02
V = 90 KM/H

PI Sta 20+68.994
Δ = 18° 45′ 08.6″ (LT)
L = 81.823
T = 41.281
R = 250.000
SE = .02
V = 90 KM/H

**-RPC-**

PIs Sta 11+25.615
Θs = 4° 38′ 30.1″ (RT)
Ls = 64.000
LT = 42.681
ST = 21.347

**-RPC-**

PI Sta 11+92.232
Δ = 13° 05′ 02.8″ (RT)
L = 90.203
T = 45.298
R = 395.000
SE = .08
V DES. = 100 KM/H

PIs Sta 12+58.483
Θs = 4° 38′ 30.1″ (RT)
Ls = 64.000
LT = 42.681
ST = 21.347

**-L-**

PIs Sta 54+26.592
Θs = 1° 36′ 03.3″ (LT)
Ls = 95.000
LT = 63.336
ST = 31.669

PI Sta 57+45.284
Δ = 19° 10′ 00.7″ (LT)
L = 568.692
T = 287.028
R = 1,700.000
SE = .04
V DES. = 110 KM/H

PIs Sta 60+58.617
Θs = 1° 36′ 03.3″ (LT)
Ls = 95.000
LT = 63.336
ST = 31.669

**-RPA-**

PIs Sta 10+38.594
R 1 = 1682.500
Θs 1 = 1° 05′ 20.3″ (RT)
R 2 = 400.000
Θs 2 = 4° 35′ 04.4″ (RT)
Ls = 64.000
LT = 38.594
ST = 25.455

PI Sta 11+55.297
Δ = 25° 42′ 50.9″ (RT)
L = 179.519
T = 91.297
R = 400.000
SE = .08
V DES. = 100 KM/H

PIs Sta 12+64.865
Θs = 4° 35′ 01.2″ (RT)
Ls = 64.000
LT = 42.681
ST = 21.346

**-RPD-**

PIs Sta 10+21.334
Θs = 1° 04′ 02.6″ (RT)
Ls = 64.000
LT = 42.667
ST = 21.334

PIs Sta 11+06.681
Θs = 4° 38′ 30.1″ (LT)
Ls = 64.000
LT = 42.681
ST = 21.347

PI Sta 12+24.123
Δ = 27° 21′ 14.7″ (LT)
L = 188.580
T = 96.123
R = 395.000
SE = .08
V = 100 KM/H

**-RPD-**

PIs Sta 13+37.927
Θs = 4° 38′ 30.1″ (LT)
Ls = 64.000
LT = 42.681
ST = 21.347

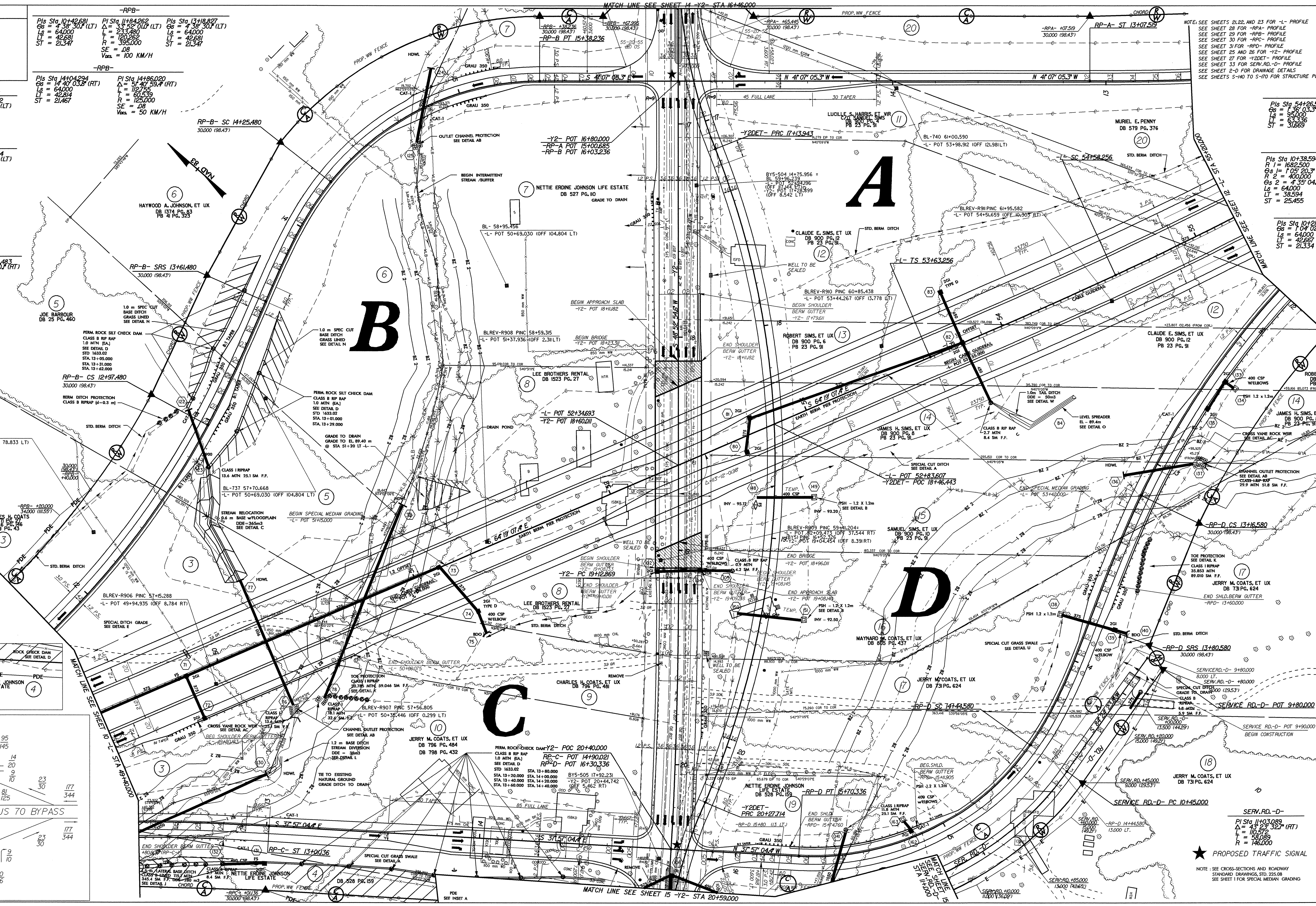
PIs Sta 14+23.394
Θs = 14° 40′ 03.8″ (RT)
Ls = 64.000
LT = 42.814
ST = 21.467

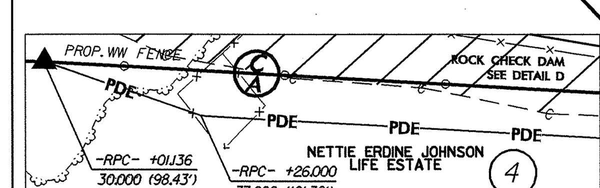
**-RPD-**

PI Sta 15+13.360
Δ = 57° 38′ 31.7″ (RT)
L = 125.756
T = 68.779
R = 125.000
SE = .08
V = 50 KM/H

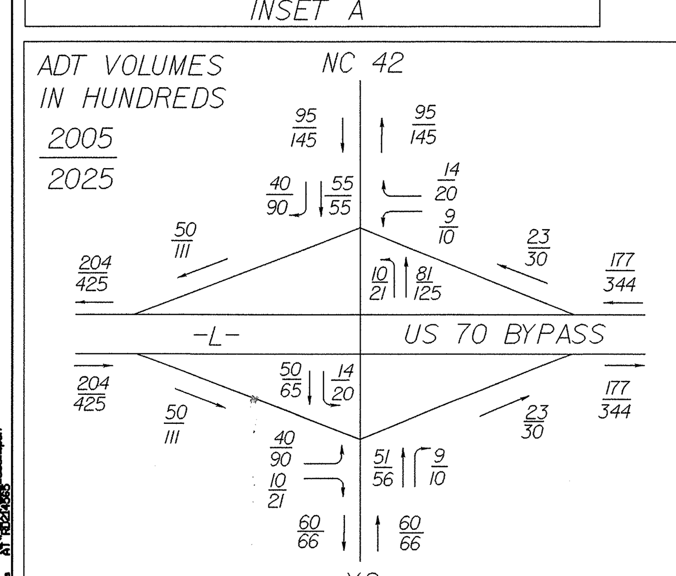
**SERV.RD.-D-**

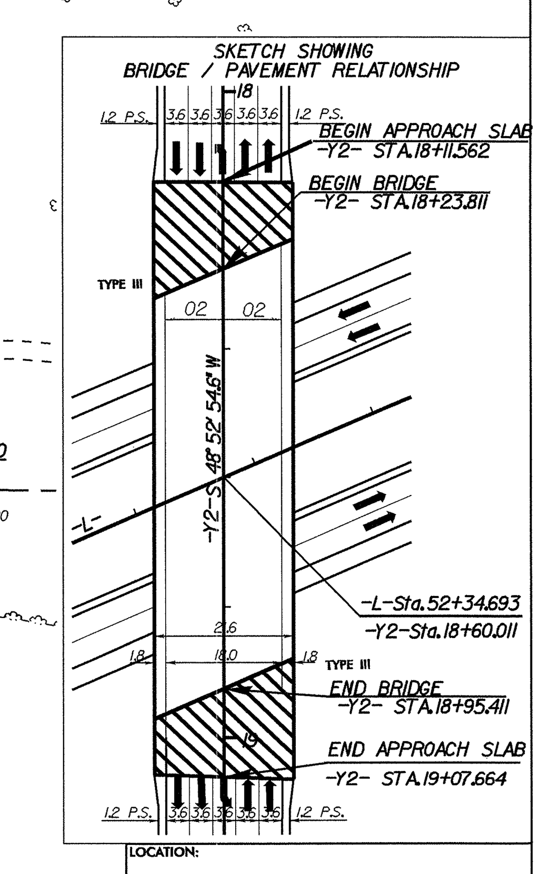
PI Sta 11+03.089
Δ = 43° 23′ 32.7″ (RT)
L = 110.572
T = 58.089
R = 146.000




INSET A




★ PROPOSED TRAFFIC SIGNAL

NOTE : SEE CROSS-SECTIONS AND ROADWAY STANDARD DRAWINGS, STD. 225.08
SEE SHEET 1 FOR SPECIAL MEDIAN GRADING

| LOCATION: | |
|---|---|
| TIP NO.: | COUNTY: |
| DESIGNED BY: | DATE: |
| CHECKED BY: | DATE: |

15-MAR-2005 12:29 HEdwards