PROJECT REFERENCE NO.	SHEET NO.
R-3100B	EC-23/CONST.09
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

-L-
PI Sta 88+49.20
△ = 14° 24' 28.5" (RT)
D = 0° 55' 53.9"
L = 1,546.51'
T = 777.36'
R = 6,150.00'
e = RC
Runoff = 72'

-Y5-
PI Sta 13+57.74
△ = 18° 38' 40.7" (RT)
D = 9° 32' 57.5"
L = 195.25'
T = 98.49'
R = 600.00'
e = RC
Runoff = 80'

-Y6-
PI Sta 11+42.46
△ = 16° 58' 33.5" (RT)
D = 11° 27' 33.0"
L = 148.14'
T = 74.62'
R = 500.00'
e = RC
Runoff = 46'

MATCHLINE -L- STA. 76+75.00 SEE SHEET 8

MATCHLINE -L- STA. 90+50.00 SEE SHEET 10

-L- S 72° 56' 53.1" E

-L- PC Sta. 80+71.84

-L- POC Sta. 87+35.00 =
-Y5- POT Sta. 14+94.24
-Y6- POT Sta. 10+00.00

-Y5- POT Sta. 10+00.00

BEGIN CONSTRUCTION
-Y5- POT Sta. 11+00.00

-Y5- S 0° 27' 38.8" E

-Y5- PC Sta. 12+59.24

-Y5- PT Sta. 14+54.49

-Y6- PC Sta. 10+67.84

-Y6- PT Sta. 12+15.98

END CONSTRUCTION
-Y6- POT Sta. 13+37.59

-Y6- POT Sta. 13+48.58

32 MILLIE DELLINGER FINCH
DB 2108 PG 1142

36 ROGER D JONES & CATHERINE D JONES
DB 1047 PG 846
PB 9 PG 98

37 NOU LEE
DB 3203 PG 749

38 DAVID L ROBERTS & JOYCE C ROBERTS
DB 1915 PG 305
PB 61 PG 145

39 DORIS KAY DRUM SIGMON
DB 540 PG 66
DB 1924 PG 494

40 ECO NGUYEN & THOM NGUYEN
DB 2722 PG 5
DB 2578 PG 421

44 MARK A SHERRILL
DB 1926 PG 1349

34 2535 NC HIGHWAY 16 SOUTH LLC
DB 2954 PG 1721
PB 9 PG 98

35 FRANCES DARLENE PARLIER
DB 2362 PG 1490
PB 9 PG 98

41 JULIE FRAZIER
DB 2665 PG 1394
PB 9 PG 98

42 NADINE L CALLOWAY REVOCABLE LIVING TRUST
DB 2633 PG 1909
PB 9 PG 98

43A MT OLIN AME ZION CHURCH
DB 50 PG 511
PB 34 PG 143
CEMETARY

JIMMY P SHERRILL & SHIRLEY S SHERRILL
DB 1550 PG 62

-Y5- SR 1804 BETHANY CHURCH ROAD

-Y6- SR 1884 SMYRE FARM ROAD

SR 1803 COLEY FISH POND RD

NAD 83 /NSRS 2007

CUT V-DITCH SEE DETAIL 17

TOE PROTECTION SEE DETAIL 16

EST. 3 TON CLASS B RIP RAP
EST. 10 SY GEOTEXTILE FABRIC

SPECIAL LATERAL V-DITCH SEE DETAIL 18

INSTALL MATTING FOR EROSION CONTROL IN THE PROPOSED DITCH LINE.

2016 AVERAGE 2036 DAILY TRAFFIC

TRAFFIC DIAGRAM

-Y5- BETHANEY CHURCH RD 3,674 4,859

-L- NC 16 459 607 2,207 2,726

10,159 16,309 130 204 1,267 1,933 13,044 20,156

-Y6- SMYRE FARM RD 2,404 3,663

DETAIL 16
TOE PROTECTION
(Not to Scale)

NATURAL GROUND, 2:1 OR FLATTER, b, d, FILL SLOPE
d = 1 Ft.
b = 5 Ft.
Type of Liner = PSRM

FROM STA. 81+00 -L- LT TO STA. 82+30 -L- LT

DETAIL 17
CUT DITCH
(Not to Scale)

Natural Ground, 2:1, D, 4:1 or Flatter, Front Ditch Slope
Min. D = 1.0 Ft.
Max. d = 1.0 Ft.
Type of Liner = PSRM

FROM STA. 11+18 -Y5- LT TO STA. 13+18 -Y5- LT

DETAIL 18
SPECIAL LATERAL 'V' DITCH
(Not to Scale)

Natural Ground, 2:1, D, 4:1 or Flatter, Fill Slope, 1.0 ft., Geotextile
Min. D = 1.5 Ft.
Max. d = 1.3 Ft.
Type of Liner = Class B Rip-Rap

FROM STA. 11+65 -Y6- LT TO STA. 13+25 -Y6- LT

PROPOSED SIGNAL

FOR -L- PROFILE SEE SHEET 20
FOR -Y5- PROFILE SEE SHEET 25
FOR -Y6- PROFILE SEE SHEET 25