REVISIONS

PROJECT REFERENCE NO.	SHEET NO.
R-977A	20

HIGHWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 15759 ENGINEER STEPHEN C. BROWNE — 12/15/04

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 20737 ENGINEER JONATHAN KENNETH SCARCE — 12/15/04

METRIC 5 0 10

CONST. REV.

R/W REV.

-L- Pls Sta 62+31.683 Θs = 1° 57' 52.0" Ls = 60.000 LT = 40.002 ST = 20.002

-L- PI Sta 66+70.867 Δ = 51° 11' 43.1" (RT) L = 781.836 T = 419.186 R = 875.000

-L- Pls Sta 70+53.519 Θs = 1° 57' 52.0" Ls = 60.000 LT = 40.002 ST = 20.002

-LREV- Pls Sta 62+68.352 Θs = 2° 56' 47.9" Ls = 90.000 LT = 60.008 ST = 30.008

-LREV- PI Sta 66+99.236 Δ = 49° 13' 51.2" (RT) L = 751.836 T = 400.892 R = 875.000 Se = 0.06 DS = 105 km/h

-LREV- Pls Sta 70+80.188 Θs = 2° 56' 47.9" Ls = 90.000 LT = 60.008 ST = 30.008

0.6 METER BASE DITCH

Natural Ground, 2:1, D, 2:1, b, Fill Slope, 0.08m/m, Filter Fabric

Min. D = 0.3 m
Min. d = 0.3 m
b = 1.5 m

Type of Liner = CLASS 'I' RIP RAP
FROM -LREV- STA. 70+07 TO STA. 70+35 LT.
(EST. D.D.E. = 64 cu.m, RIP RAP = 65 m.tons, FILTER FABRIC = 80 sm)

0.6 METER BASE DITCH

Natural Ground, 2:1, D, 2:1, b, Fill Slope, 0.08m/m, Filter Fabric

Min. D = 0.3 m
Min. d = 0.3 m
b = 1.5 m

Type of Liner = CLASS 'B' RIP RAP
FROM -LREV- STA. 72+58 TO STA. 72+70 LT.
(EST. D.D.E. = 20 cu.m, RIP RAP = 12 m.tons, FILTER FABRIC = 24 sm)

LATERAL 'V' DITCH

Natural Ground, 2:1, D, 2:1, b, Fill Slope, 0.08m/m

Min. D = 0.3 m
b = 1.5 m

FROM STA. -LREV- 71+28 TO STA. 72+20 LT.
(EST. D.D.E. = 55 cu.m)
FROM STA. -LREV- 72+23 TO STA. 72+58 LT.
(EST. D.D.E. = 21 cu.m)

LATERAL 'V' DITCH

Drive Fill Slope, b, 0.08m/m, 2:1, D, 2:1, Natural Ground

Min. D = 0.3 m
Min. d = 0.3 m
b = 1.5 m

FROM STA. -LREV- 70+07 TO STA. 70+40 RT.
(EST. D.D.E. = 17 cu.m)
FROM STA. -LREV- 71+03 TO STA. 71+30 RT.
(EST. D.D.E. = 45 cu.m)

LATERAL 'V' DITCH

Drive Fill Slope, b, 0.08m/m, 2:1, D, 2:1, Natural Ground, Filter Fabric

Min. D = 0.3 m
Min. d = 0.3 m
b = 1.5 m

Type of Liner = CLASS 'B' RIP RAP
FROM -LREV- STA. 70+40 TO STA. 71+03 RT.
(EST. D.D.E. = 46 cu.m, RIP RAP = 46 m.tons, FILTER FABRIC = 91 sm)

0.6 METER BASE DITCH

Fill Slope, b, 0.08m/m, 2:1, D, 2:1, Natural Ground, Filter Fabric

Min. D = 0.3 m
Min. d = 0.3 m
Min. b = 1.5 m

Type of Liner = CLASS 'B' RIP RAP
FROM -LREV- STA. 70+33 TO STA. 70+58 RT.
(EST. D.D.E. = 42 cu.m, RIP RAP = 26 m.tons, FILTER FABRIC = 52 sm)

LATERAL 0.6 METER BASE DITCH

1.5, ELEV. = 480.0, b, Natural Ground, 0.08m/m, 2:1, D, 2:1

Min. D = 0.3 m
Min. b = 1.5 m
(EST. D.D.E. = 45 cu.m)

FROM -LREV- STA. 70+12 TO STA. 70+33 RT.

LATERAL 0.6 METER BASE DITCH

1.5, ELEV. = 480.0, b, Natural Ground, 0.08m/m, 2:1, D, 2:1, Filter Fabric

Type of Liner = CLASS 'I' RIP RAP

Min. D = 0.3 m
Min. d = 0.3 m
b = 1.5 m

FROM -LREV- STA. 69+70 TO STA. 70+07 RT.
(EST. D.D.E. = 90 cu.m, RIP RAP = 65 m.tons, FIL. FAB. = 80 sm)

(24) TRI-COUNTY COMMUNITY COLLEGE
DB 409 PG 75
DB 363 PG 27
DB 310 PG 81
DB 306 PG 121

(25) DILLARD McCOMBS
DB 301 PG 130
DB 128 PG 261
DB 106 PG 628

END APPROACH SLAB
-LREV- POC STA.69+77.957
(7.0m RT)

MATCH LINE -LREV- STA 69+70.000 SEE SHEET 19

MATCH LINE -LREV- STA 72+70.000 SEE SHEET 21

+50.180 -LREV-
55.000 (180.40 ft)
END WW.FENCE

ACCESS POINT

-L- CS Sta.70+50.180

-LREV- CS Sta.70+33.517

+70.180 -LREV-
51.107 (167.63 ft)
BEGIN WW.FENCE

-L- ST Sta.70+93.547

-LREV- ST Sta.71+40.180

NOTE: GRADE ULTIMATE SECTION FROM -LREV- STA.62+00 TO 72+80

+40.180 -LREV-
40.000 (131.20 ft)

SLOPE STAKES LINE

LAT. 0.6 BASE DITCH W/ CL 'I' RIP RAP & FILTER FABRIC

LAT. 'V' DITCH

LAT. 0.6 BASE DITCH W/ CLASS 'B' RIP-RAP W/ FILTER FABRIC

CLASS 'B' RIP RAP (2 M.TONS) W/ FILTER FABRIC (4 SM)

N 22°36'20" E 259.178

70+00

71+00

72+00

(FUTURE) SHLD. BERM GUTTER

(FUTURE) GUARDRAIL

(FUTURE) 2 GI

FUTURE LANES

TEMP. PLUG

M-350

3-GI TYPE 'A'

-L- -LREV-

0.056
+09.187
(COR TO CL)

S 42° 18' 21.0" E

Δ = 90° 00' 00.0"

T = 420.000

TANGENT 994

TYPE III ANCHOR UNIT

PROP. SHLD. BERM GUTTER

40.0 UNIFORM TRANSITION (7.8 TO 7.2)

90.0 UNIFORM TRANSITION (7.2 TO 10.8)

2-GI W/ (NS) FLAT GRATE EX. DEPTH

450mm CSP W/ (2) ELBOWS

400mm CSP & (2) ELBOWS

CLASS 'II' RIP RAP W/ FILTER FABRIC (SEE STRUCTURE PLANS)

CLASS 'B' RIP RAP (2 M.TONS) W/ FILTER FABRIC (6 SM)

CLASS 'B' RIP RAP (1 M.TON) W/ FILTER FABRIC (5 SM)

CLASS 'I' RIP RAP (1 M.TON) FILTER FABRIC (15 SM)

2.4m WIDE OVERFLOW SPILLWAY

SPECIAL 900 CSP TYPE "A" SILT BASIN

900x900x900mm PERF. RISER/TEE

900mm CSP

HAZARDOUS SPILL BASIN

HDWL

SLUICE GATE

600mm CSP

375mm

3.0 ASPH. DRIVES

GATE

PROP. WW. FENCE

TANGENT 766

+34.000 -LREV-
52.846 (173.33 ft)
BEGIN WW.FENCE

+17.000 -LREV-
60.577 (198.69 ft)
END WW.FENCE

S 22°36'20" W 118.335

+40.180 -LREV-
50.000 (164.04 ft)

+50.180 -LREV-
88.000 (288.71 ft)

+00.000 -LREV-
102.000 (334.64 ft)

+60.000 -LREV-
40.000 (131.20 ft)

+60.000 -LREV-
65.000 (213.20 ft)

+15.000 -LREV-
85.000 (278.80 ft)

S 34°24'39" E 40.081

N 30°04'58" W 304.635

NOTE: FOR ACCURATE APPROACH SLAB LOCATIONS. SEE STRUCTURE PLAN SHEETS S-1TO S-

SEE SHEET 46 FOR -LREV- PROFILE
SEE SHEET 58 FOR DRIVEWAY PROFILE
SEE PROFILES FOR DITCH GRADES

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