REVISIONS

METRIC

5 0 10

CONST.REV.

R /W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2552C	17
R /W SHEET NO.	

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 15759 ENGINEER STEPHEN C. BROWNE

3/15/05

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 6982 ENGINEER RICHARD N. SCARCE

NAD83

W E LANCASTER
DB 1050 PG 607
47

155 156 157

CREEK LOCATION BASED ON SCS SOILS MAP

NEUSE BUFFER

BZ 1 BZ 2

ZONE 1 9.144 ZONE 2 6.096

15.24 FROM TOP OF BANK

-L2- TS Sta. 156+86.510

-L2- SC Sta. 157+76.510

EXIST. R/W

1350 mm WW & ISBW

RETAIN EXISTING FENCE

BY17-1008
-L2- 154+75.013: OFF 16.738 LT

BY17-1009
-L2- 157+67.827: OFF 16.633 LT

ENDWALL

CONC HW

293

F

3.0

7.2

1.2

14.0

3.6

TRENCHLESS CONST.
1650mm SPIRAL WELDED
STEEL (22mm THICK)

07 BST

US 70A 7.4 BST

0.6 BST

US 70A 7.5 BST

ADJUST 2GI

290

SPECIAL DITCH

S 53° 53' 01.1" E -L2-

297

FALSE SUMP

END CABLE GUIDERAIL

298

RETAIN & EXTEND
I @ 2.43 x 1.84 RCBC
+38.598 -L2LT -
49°59'29" SKEW

RETAIN & EXTEND
900mm RCP

900mm CONC

375mm CONC

RETAIN

MTL

2.438 x 1.828

291

COLLAR

294

295

296

292

END F W.W.FENCE

375mm RCP

BEGIN W.W.FENCE
+64.810 -L2-

REMOVE EXIST. W.W.FENCE

END WW FENCE
+55.510 -L2-

REMOVE EXIST. W.W.FENCE

CL. "I" RIP RAP (22 M.TONS) w/ FIL. FAB. (30 SM)

CAT 2.0 m BASE DITCH

CL. "I" RIP RAP (25 M.TONS) w/ FIL. FAB. (35 SM)

+90.000 -L2-
35.197 (ON EX.R/W)
& 37.500
(123.03 ft)

PROPOSED W.W.FENCE

PROP.R/W

LAT 3.0 m BASE DITCH

+25.000 -L2-
38.332 (124.670)

CL. "B" RIP RAP (45 M.TONS) w/ FIL. FAB. (80 SM)

+20.000 -L2-
40.000 (131.23 ft)

CL. "B" RIP RAP (55 M.TONS) w/ FIL. FAB. (100 SM)

+35.000 -L2-
34.761 (ON EX.R/W)
END WW FENCE
BEGIN EXIST. FENCE

RETAIN EXIST. FENCE

CAT 1

3.0

MATCHLINE -L2- 154+50 SEE SHEET 16

MATCHLINE -L2- 157+80 SEE SHEET 18

SPECIAL MEDIAN DITCH

Var. (6:1 to 6:1) D Var. (6:1 to 6:1)

D = Var.m

FROM -L2- STA. 154+50 TO STA. 155+00 MED.

LATERAL 2 METER BASE DITCH

Fill Slope b 0.08 m/m 6:1 D 6:1 Natural Ground

D = Var.m
Min. b = 1.0 m

FROM -L2- STA. 155+30 TO STA. 156+15 RT.
(EST. D.D.E. = 126 cu.m)

3.0 METER BASE DITCH

b 2:1 0.08 m/m 3:1 D 3:1 Natural Ground Var.

D = Var.m
Min. b = 1.0 m

FROM -L2- STA. 156+25 TO STA. 157+20 RT.
(EST. D.D.E. = 537 cu.m)

VARIABLE BASE DITCH

b 2:1 0.08 m/m 3:1 d D 3:1 Natural Ground Var.
Filter Fabric B

Min. D = 0.3 m
Var. B = 0-3.0 m
d = 0.3 m
b = 1.0 m

Type of Liner = CLASS 'B' RIP RAP
FROM -L2- STA. 156+15 TO STA. 156+25 RT.
(EST. D.D.E. = 27 cu.m)
FROM -L2- STA. 157+20 TO STA. 157+35 RT.
(EST. D.D.E. = 98 cu.m, RIP RAP = 100 m.tons,
FILTER FABRIC = 180 sm)

-L2-

Pls Sta 157+46.519
Θs = 2° 57' 09.9"
Ls = 90.000
LT = 60.008
ST = 30.008

Pl Sta 159+54.983
Δ = 23° 06' 12.2" (LT)
L = 352.097
T = 178.473
R = 873.189
SE = EXISTING
DS = 110 km/h

Pls Sta 161+58.614
Θs = 2° 57' 09.9"
Ls = 90.000
LT = 60.008
ST = 30.008

DANIEL L HEAVNER
DB 1567 PG 311
45

HAROLD A YOUNG
DB 960 PG 657
48

W E LANCASTER
DB 1050 PG 607
47

S 79.623 N06°07'53"W

ISBKO

900 mm CONC

1050 mm WD RAIL

1200 mm CONC

FOR CULVERT DESIGN PLANS SEE SHEETS C- THRU C-

-L2- GRADE SEE PROFILE SHEET 38

LOCHNER

H. W. LOCHNER, INC.
2840 PLAZA PLACE, SUITE 202
RALEIGH, NC 27612

18-MAR-2005 13:48
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