PROJECT REFERENCE NO.	SHEET NO.
R-2552C	7
R /W SHEET NO.	

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 15759 ENGINEER STEPHEN C. BRAUN

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL SEAL 6982 ENGINEER RICHARD N. SCARCE

3/15/05

METRIC 5 0 10

CONST.REV.

R /W REV.

NAD83

-L2LT-
PIs Sta 112+10.807
θs = 1° 00' 08.7"
Ls = 95.000
LT = 63.334
ST = 31.668

PI Sta 117+99.379
Δ = 23° 11' 01.2" (LT)
L = 1,098.574
T = 556.906
R = 2,715.000
SE = 0.03
DS = 110 km/h

PIs Sta 123+72.715
θs = 1° 00' 08.7"
Ls = 95.000
LT = 63.334
ST = 31.668

-L2-
PIs Sta 111+95.858
θs = 1° 08' 02.3"
Ls = 95.000
LT = 63.335
ST = 31.668

PI Sta 117+14.075
Δ = 22° 55' 13.9" (LT)
L = 960.093
T = 486.553
R = 2,400.000

PIs Sta 122+19.284
θs = 1° 08' 02.3"
Ls = 95.000
LT = 63.335
ST = 31.668

MATCHLINE -L2- 117+20 SEE SHEET 6

MATCHLINE -L2- 120+80 SEE SHEET 8

HILDA JOHNSON HINNANT DB 944 PG 113

BAREWOODS DEVELOPMENT, L.L.C. DB 468 PG 331 DB 485 PG 18

"TES" IS A TERMINAL END SHOE FOR GUARDRAIL

MASSEY, TONY GARRIS DB 1597 PG 200

-Y- SR 1571
400 (2005 ADT)
600 (2025 ADT)

KEENAN WYNN GLANDON, ET UX DB 1641PG 589

HAROLD WALL DB 1624 PG 388

JOHN JENNINGS WILLIAMS, HEIRS DB 922 PG 682

TIM W.CASEY, ET UX DB 1627 PG 680

HOLT, BRENDA C.& BOYKIN, CONNIE M DB 1768 PG 219

TAP PROPERTIES, LLC DB 1647 PG 792

DRAYTON, VINCENT E. ET UX DB 1638 PG 894

ERIC V. HINTON DB 1674 PG 294

DOUGLAS JEROME BAKER DB 2047 PG 646

BEGIN CONSTRUCTION -Y- POT Sta. 10+40.000

-Y- PC Sta. 10+59.796

END CONSTRUCTION -Y- PT Sta. 12+20.000

-Y- PT Sta. 12+32.864

-Y- POC Sta. 11+17.649
-L2LT- POC Sta. 117+30.575
Δ = 100° 35' 12.1"

-Y- POC Sta. 11+52.432
-L2RT- POC Sta. 117+32.459
Δ = 96° 15' 58.3"

-Y- POC Sta. 11+57.375
-L2- POC Sta. 117+31.480
Δ = 94° 35' 16.9"

CTR @ +98.6
6.9 (RT)

BL-836
-L2- 118+83.684: OFF 1.759 RT

CL. "B" RIP RAP (3 M.TONS) w/ FIL. FAB. (5 SM) EACH SITE

CL. "B" RIP RAP (7 M.TONS) w/ FIL. FAB. (19 SM)

CL. "B" RIP RAP (2 M.TONS) w/ FIL. FAB. (6 SM)

400mm CSP w/2 CS ELBOWS TYPE A COATING

400mm CSP w/ 2 CS ELBOWS TYPE A COATING

2GI w/FLAT GRATE

2GI w/ FLAT GRATE (EXTRA DEPTH)

ENDWALL

EXPWY. GUTTER

LAT. 0.6m BASE DITCH

LAT. 2.0m BASE DITCH

CLIMBING/AUXILIARY LANE

DRAIN POND & GRADE TO DRAIN

TEMPORARY DRAINAGE EASEMENT

FALSE SUMP

900mm RCP CL. IV METHOD B INSTAL.

1050mm RCP CL. IV METHOD B INSTAL.

375mm RCP

60.0mm RCP

PROP. R/W

PROPOSED W.W. FENCE

CHORD

REMOVE

STONE DRIVE

TOE OF FILL PROTECTION

Natural Ground — Fill Slope — Filter Fabric — w — d

w = 1.0 m
d = 0.3 m

Type of Liner = CLASS 'B' RIP RAP

FROM -L2LT- STA. 117+44 TO STA. 117+60 LT.
(EST. RIP RAP = 25 m.tons, FIL. FAB. = 21 sm)

0.6 METER BASE DITCH

Fill Slope — b — 0.08 m/m — 3:1 — D — 2:1 — Natural Ground

Min. D = Var. m
b = 1.0 m

FROM -L2LT- STA. 117+28 TO STA. 119+50 LT.
(EST. D.D.E. = 426 cu.m)

2.0 METER BASE DITCH

Fill Slope — b — 0.08 m/m — 3:1 — D — 2:1 — Natural Ground

Min. D = 0.3 m
b = 1.0 m

FROM -L2RT- STA. 117+23 TO STA. 117+90 RT.
(EST. D.D.E. = 40 cu.m, RIP RAP = 88.4 m.tons, FILTER FABRIC = 232.3 sm)

0.6 METER BASE DITCH

Fill Slope — b — 0.08 m/m — 3:1 — D — 2:1 — Natural Ground — Filter Fabric

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

Type of Liner = CLASS 'B' RIP RAP

-L2RT-
PI Sta 115+89.927
Δ = 27° 53' 01.1" (LT)
L = 1,700.881
T = 867.632
R = 3,495.000
SE = RC (0.02)
Runoff = 60.000
DS = 110 km/h

-Y-
PI Sta 11+49.002
Δ = 34° 14' 42.9" (LT)
L = 173.068
T = 89.206
R = 289.561
SE = EXIST.

-L2LT- GRADE SEE PROFILE SHEET 31

-Y- GRADE SEE PROFILE SHEET 50

-L2RT- GRADE SEE PROFILE SHEET 31

REVISIONS

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

17-MAR-2005 10:45
J:\NCDOT\ROADS\DGN\R2552C_R/W_SHEET_REV_FSH07.DGN
jbrooks