050197

PROJECT REFERENCE NO.	SHEET NO.
R-3303	EC-15/CONST.4
R /W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST.REV.	
R /W REV.	

METRIC

5 0 10

6 x 3 x 1
1.5 weir

POT Sta.8+00.000 -L-

BEGIN STATE PROJECT R-3303
BEGIN CONSTRUCTION STA.8+40.000 -L-
BEGIN RESURFACING STA.8+49.941 -L-

+49.941
9.144m
(30.00')EX.R/W

+49.941
15.000m
(49.2')

POT Sta.8+57.441 -L-

ELLERBE SPRINGS INN, INC.
DB 762 PG 170
PSLIDE 272-D
1

CLASS 'B' RIPRAP
2.7 MTNS
8.4 SM FF

GRADE TO DRAIN

GRADE TO DRAIN

NC 73 66 BST

TO MOUNT GILEAD

S 54° 37' 40.6" E

S 54° 40' 49.1" E

3.0 CONC HW

150mm PL (DATUM)

PLUG

NC 73

2.4 CONC HW

EXISTING R/W

GRADE TO DRAIN

+49.941
9.140m
(29.98')EX.R/W

+49.941
15.000m
(49.2')

+60.000
18.000m
(59.06')

+80.000
18.000m
(59.06')

+93.621
15.000m,19.977m
(49.2'),(65.54')

+105.698
15.000m,19.977m
(49.2'),(65.54')

2
WILLIAM & ELIZABETH BRYANT
DB 614 PG 889
PB 17 PG 41

TDE

ISFD ABAND

NC GRID
NAD 83

6+00

10+00

1800mm WW

-L-

PI Sta. 9+97.884
Δ = 0°14' 32.9" (LT)
L = 4.232
T = 2.116
R = 1,000.000
Se = EXIST.SE
SEE XS

150mm CONC CURB

BST

GRILL

ISFR PUBLIC RESTROOM

CANOPY

150mm CONC

W/LT

PCSta.9+95.768
PTSta.10+00.000 -L-

SAND BOX

NC STATE HWY COMMISSION
DB 504 PG 528
DB 540 PG 528

BL-2
PINC 6+87.045
STA. 9+76.623 -L-
4.474 m LT.

+90.882
15.000m
(49.2')

+93.999
6.846

+03.249
9.299 LT.

+52.747
15.246 LT.

750mm C&G

-L- S 53°16'46.5" E

S 54° 55' 22.2" E

REMOVE

200m PER

+55.388
15.000m
(49.2')

+79.712
18.486m
(60.65')

3
HEATH & JACQUELINE CARRIKER
DB 579 PG 138
PB 17 PG 41

+95.768
15.000m
(49.2')

+00.000
15.000m
(49.2')

6 x 3 x 1
1.5 weir

RETAIN

UNDERGROUND JUNCTION BX
INVERT N/A

600mm CONC

7.412m

BST ISL

TB
JB
W/MH

66m TAPER

+74.660
15.000m
(49.2')EX.R/W

+80.805
19.082m
(62.60')

-YIR- +00.916
12.192

BL-3 -BL- PINC 8+20.350
-BY- PINC 6+78.892

SEE SHEET 16 FOR -YI- PROFILE

S 51° 42' 03.8" W

S 51° 42' 03.2" W

US 220

11.3m

ENTERING R/W

-L-

PIs Sta 11+53.087
Θs = 1° 25' 56.6"
Ls = 45.000
LT = 30.001
ST = 15.001

TS Sta.11+23.086 -L-

SC Sta.11+68.086 -L-

11+00C

+01.549
30m
(98.42')EX.R/W

POT Sta.10+97.914 -L- =
POT Sta.11+73.141 -YI-

+30.000
17.302m
(56.76')

+44.789
15.000m,20.529m
(49.2'),(67.35')

5
HUBERT COVINGTON
DB 536 PG 578

5.0m LEVEL SPREADER
SEE DETAIL SHEET 2-A

CLASS 'B' RIPRAP
2.7 MTNS
9.2 SM FF

+60.000
18.000m
(59.06')

PDE

SPECIAL DITCH
STA 12+20 -L- LT TO
STA 11+70 -L- LT
SEE PROFILE FOR GRADE

15m TAPER

+65.000
+/-293m,20.500m
(58.80'),(67.28')

S 56° 54' 20.9" E

MATCHLINE STA.12+00.000
SEE SHEET 5

200m TAPER

+33.301
23.941m
(78.55')

+24.164
30.000m
(98.42')EX.R/W

4.0m LEVEL SPREADER
SEE DETAIL SHEET 2-A

+68.086
21.977m
(72.10')

POT Sta.12+06.917 -YI-

END CONSTRUCTION
HUBERT COVINGTON
DB 536 PG 578
5

SPECIAL DITCH
STA 12+20 -L- RT TO
STA 11+70 -L- RT
SEE PROFILE FOR GRADE

DATUM DESCRIPTION

THE LOCALIZED COORDINATE SYSTEM DEVELOPED FOR THIS PROJECT IS BASED ON THE STATE PLANE COORDINATES ESTABLISHED BY NCDOT FOR MONUMENT "R2231-10" WITH NAD 83 STATE PLANE GRID COORDINATES OF NORTHING: 147335.107(m) EASTING: 542189.156(m)
THE AVERAGE COMBINED GRID FACTOR USED ON THIS PROJECT (GROUND TO GRID) IS: 0.999861638
THE N.C. LAMBERT GRID BEARING AND LOCALIZED HORIZONTAL GROUND DISTANCE FROM "R2231-10" TO -L- STATION 44+81.486 IS S 17° 07' 32.944" E 764.122m
ALL LINEAR DIMENSIONS ARE LOCALIZED HORIZONTAL DISTANCES
VERTICAL DATUM USED IS NGVD 29

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 5.8	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.56	CMS
DESIGN HW ELEVATION	= 135.01	M
100 YEAR DISCHARGE	= 0.65	CMS
100 YEAR HW ELEVATION	= 135.20	M
OVERTOPPING FREQUENCY	= +200	YRS
OVERTOPPING DISCHARGE	= +0.87	CMS
OVERTOPPING ELEVATION	= 135.96	M

BEGIN RESURFACING
STA.8+49.941
ELE = 133.469

BEGIN GRADE
STA.8+57.441
ELE = 133.838

BLEND TO EXISTING 7.5m

END RESURFACING
STA.10+93.263
ELE = 136.839

BEGIN GRADE
STA.11+04.340
ELE = 136.715

TBM #2
587.35m RT -BL- STA.10+41.261
ELEV.143.750

PROPOSED GRADE
-0.3267%

EXISTING GROUND

#10.24002

#10.24002

#700.00 RT
EL = 135.845

#700.00 LT
EL = 135.220

Special Ditch Rt.

Special Ditch Lt.

148 147 146 145 144 143 142 141 140 139 138 137 136 135 134 133 132 131 130 129 128

+20 +40 +60 +80 9 +20 +40 +60 +80 10 +20 +40 +60 +80 11 +20 +40 +60 +80 12

12-JUL-2004 14:38
mlaughon
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