6/09/99

-Y14-

BEGIN GRADE
-Y14- STA 10+07.760
EL 74.54
-Y11- EOP
-Y14 POT 10+10.819
EL 74.439

END GRADE
-Y14- STA 10+24.000
EL 74.149

2.200%

-Y14- ALIGNMENT
SEE PLANSHEET 23

-DR-1

BEGIN GRADE
-Y11- POT 24+10.000 =
-DR1- POT 10+00.000 L.A.
EL 75.624

PI=10+56.000
EL=72.825
VC=75 m

-5.0000%

-0.5000%

-Y11-REV POT 24+10.000
-DR1- STA 11+29.325
EL 72.942

END GRADE
-DR1- STA 11+25.725
EL 72.869

PI=11+10.000
EL=72.555
VC=20 m

-0.5000%

+2.0000%

600mm

-DR-1 ALIGNMENT
SEE PLANSHEET 24

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO. 144

DRAINAGE AREA	= 1.97 ha
DESIGN FREQUENCY	= 25 yrs
DESIGN DISCHARGE	= 0.378 cms
DESIGN HW ELEVATION	= 72.535 m
50 YEAR DISCHARGE	= 0.410 cms
50 YEAR HW ELEVATION	= 72.565 m
OVERTOPPING FREQUENCY	= - yrs
OVERTOPPING DISCHARGE	= - cms
OVERTOPPING ELEVATION	= - m

METRIC

5 0 10

CONST.REV.

R /W REV.

PROJECT REFERENCE NO.	SHEET NO.
R-2552B	46

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 14493 ENGINEER JAMES STAFFORD GOODNIGHT, JR.

3-17-05

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 026480 ENGINEER JERRY D. ROBINSON, JR.

3-17-05

-DR-2

END GRADE
-DR-2 STA 10+60
EL 83.225

BEGIN GRADE
-DR-2 POT 10+00
-Y11- POC 17+21.004
EL 80.496

PI=10+55
EL=83.046
VC=10

+3.5800%

3.0000%

+7.5000%

PI=10+15.000
EL=80.046 m
VC=20

-DR-2 ALIGNMENT
SEE PLANSHEET 23

-DR-3

-DR-3 POT 9+57.039
-Y7-DET POT 12+96.000
EL 101.601
-DR-3 POT 9+60.639 BEGIN PROPOSED PAVEMENT
-Y7-DET POT 12+96.000 (OFF 3.6)
EL 101.451

END PROPOSED -DR-3 PAVEMENT
-DR-3 POT 9+84.884
-Y7-DET POT 13+12.588
EL 100.750

BEGIN PROPOSED PAVEMENT
-DR-3 PC 10+00.000
-Y7-DET POC 13+27.704
EL 100.624

PI= 9+69.000
EL= 100.909
VC= 16

101.601

-6.1846%

-3.0000%

0.6000%

PI=10+50.000
EL=100.324
VC=100 m

-3.5000%

END GRADE
-DR-3 STA 11+60
EL 96.474

-DR-3 ALIGNMENT
SEE PLANSHEET 6

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RD195380 Monday January 31 2005 fs_46 RACruz rd-04oce34