

10/26/03

-Y2-

-DRIVE1-

BEG GRADE
-Y3REV- 11+49.396
RT 3.6m EP EL. 86.422m
-DRIVE1- 10+06.827

END GRADE
-DRIVE1- 10+60.149
EL. 86.016m

-0.7614%

PROJECT REFERENCE NO. R-2610A SHEET NO. 39

METRIC

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CONST. REV. R / W REV.

RICHARD A. SHALLINGHAM
NORTH CAROLINA PROFESSIONAL ENGINEER
SEAL 17691
12-15-03

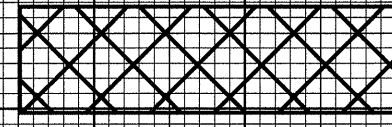
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SEAL 12786
12-15-03

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10 +20 +40 +60 +80 11 +20 +40 +60 10 +20 +40 +60



UNDERCUT

BEG GRADE
-Y3REV- 11+15.997 =
-L- 21+31.412 EP
(14.2m LT)
ELEV 87.694

-Y3REV-

PI = 11+90.000
EL = 84.250 m
VC = 90 m
K = 10

END GRADE
-Y3REV- 13+24.861
ELEV 88.576

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-1.0998%

-5.4833%

+3.3920%

+0.8721%

450 RCP

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.19

DRAINAGE AREA	= 0.41	HA
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 0.14	CMS
DESIGN HW ELEVATION	= 86.11	M
100 YEAR DISCHARGE	= 0.15	CMS
100 YEAR HW ELEVATION	= 86.13	M
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 0.38	CMS
OVERTOPPING ELEVATION	= 86.60	M

PI = 11+30.000
EL = 87.540 m
VC = 26 m
K = 6

PI = 13+15.000
EL = 88.490 m
VC = 16 m
K = 6

10 +20 +40 +60 +80 11 +20 +40 +60 +80 12 +20 +40 +60 +80 13 +20

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