METRIC
PROJECT REFERENCE NO. R-2610A
SHEET NO. 39
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 17691 ENGINEER RICHARD A. SHULLINGTON
NORTH CAROLINA PROFESSIONAL SEAL 12786 ENGINEER STEVEN M BONDOR
12-11-03
12-15-03
CONST.REV.
R /W REV.
-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%
-Y3REV-
UNDERCUT
BEG GRADE
-Y3REV- 11+15.997 =
-L- 21+31.412 EP
(14.2m LT)
ELEV 87.694
END GRADE
-Y3REV- 13+24.861
ELEV 88.576
PI = 11+90.000
EL = 84.250 m
VC = 90 m
K = 10
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
-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

03-NOV-2003 07:29 YJAnord