PROJECT REFERENCE NO.	SHEET NO.
R-2610B	55

ROADWAY DESIGN ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17691 RICHARD A. SHILLINGLAW — 06-23-04

HYDRAULICS ENGINEER — NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 22100 STEPHEN R. MORGAN — 6/25/04

METRIC

5 0 10

CONST.REV.

R /W REV.

BM # 18
R/R SPIKE IN BASE OF TELEPHONE POLE , 51.340m
RIGHT OF -L- 119+87.000 ELEV. 174.757m

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.118A

DRAINAGE AREA	=	8.8 HA
DESIGN FREQUENCY	=	50 YRS
DESIGN DISCHARGE	=	1.22 CMS
DESIGN HW ELEVATION	=	169.35 M
100 YEAR DISCHARGE	=	1.67 CMS
100 YEAR HW ELEVATION	=	169.72 M
OVERTOPPING FREQUENCY	=	500+/- YRS
OVERTOPPING DISCHARGE	=	2.45 CMS
OVERTOPPING ELEVATION	=	171.50 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.121B

DRAINAGE AREA	=	5.6 HA
DESIGN FREQUENCY	=	50 YRS
DESIGN DISCHARGE	=	0.36 CMS
DESIGN HW ELEVATION	=	169.81 M
100 YEAR DISCHARGE	=	0.44 CMS
100 YEAR HW ELEVATION	=	169.87 M
OVERTOPPING FREQUENCY	=	500+/- YRS
OVERTOPPING DISCHARGE	=	2.3 CMS
OVERTOPPING ELEVATION	=	173.50 M

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.123B

DRAINAGE AREA	=	6.3 HA
DESIGN FREQUENCY	=	50 YRS
DESIGN DISCHARGE	=	0.51 CMS
DESIGN HW ELEVATION	=	172.84 M
100 YEAR DISCHARGE	=	0.62 CMS
100 YEAR HW ELEVATION	=	172.91 M
OVERTOPPING FREQUENCY	=	500+/- YRS
OVERTOPPING DISCHARGE	=	3.4 CMS
OVERTOPPING ELEVATION	=	175.40 M