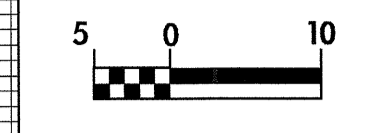


(NC 16)



PROJECT REFERENCE NO. R-2206AA	SHEET NO. 43
R-2206A SHEET NO. 55	
ROADWAY DESIGN ENGINEER <i>[Signature]</i>	HYDRAULICS ENGINEER <i>[Signature]</i>
NORTH CAROLINA PROFESSIONAL SEAL 15356 ENGINEER DONALD DAVID ALLEN	NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. PENNY WELLS, III
16-8-04	10/21/04



CONST. REV.
R/W REV.

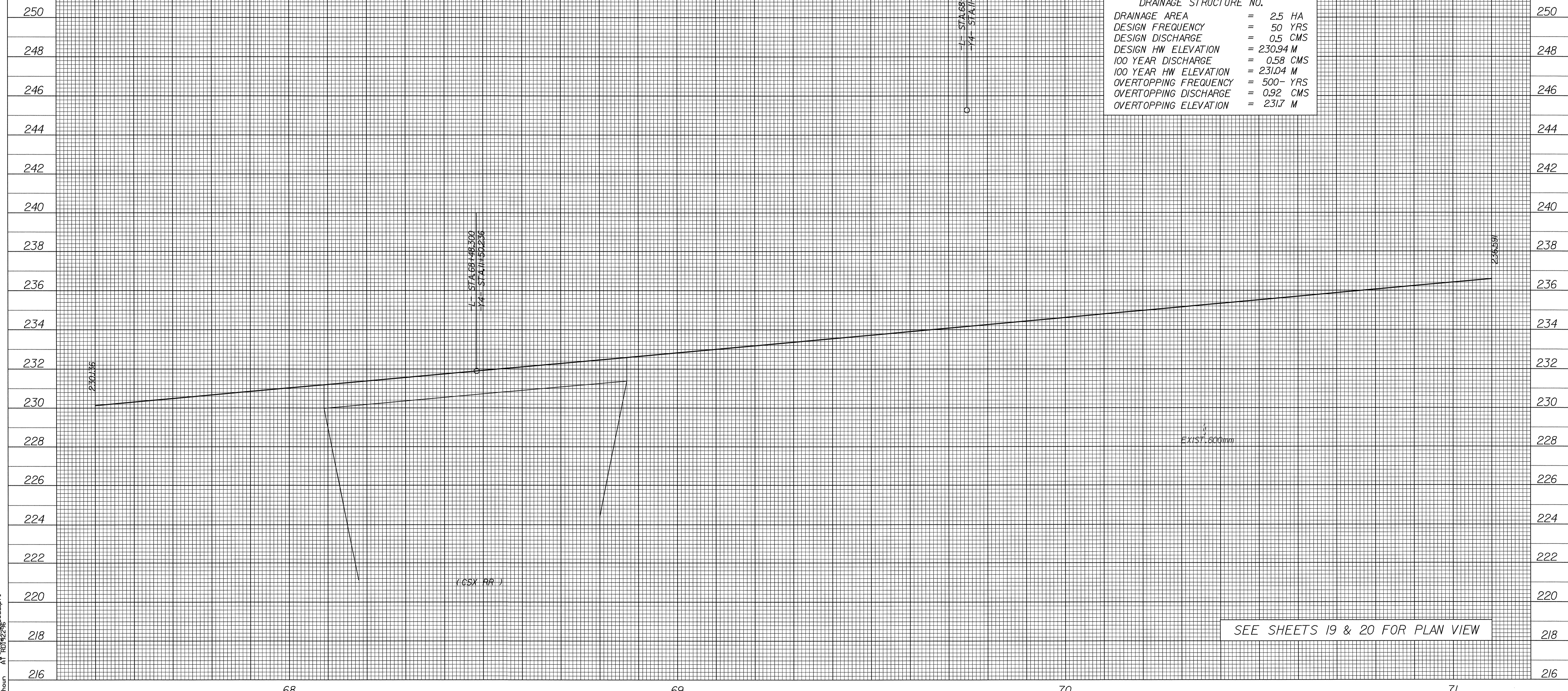
BM 185
-L- STA 67+61.745
8.8287 m LEFT
EL. 221.844 IP & CAP

BM 186
-L- STA 69+27.517
2.5794 m LEFT
EL. 230.325 IP & CAP

BM 187
-L- STA 70+60.872
5.6603 m LEFT
EL. 230.295 IP & CAP

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 2.5 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.5 CMS
DESIGN HW ELEVATION	= 230.94 M
100 YEAR DISCHARGE	= 0.58 CMS
100 YEAR HW ELEVATION	= 231.04 M
OVERTOPPING FREQUENCY	= 500- YRS
OVERTOPPING DISCHARGE	= 0.92 CMS
OVERTOPPING ELEVATION	= 231.7 M



SEE SHEETS 19 & 20 FOR PLAN VIEW

21-SEP-2004 07:50
SECalhoun rd-09oce34