

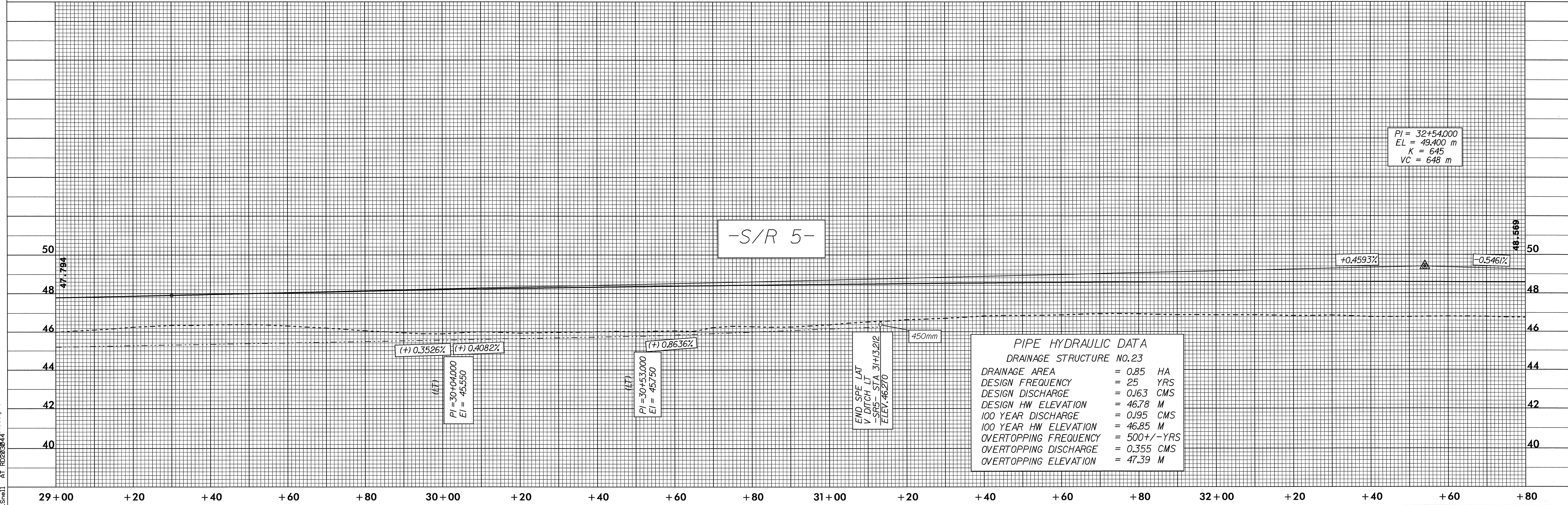
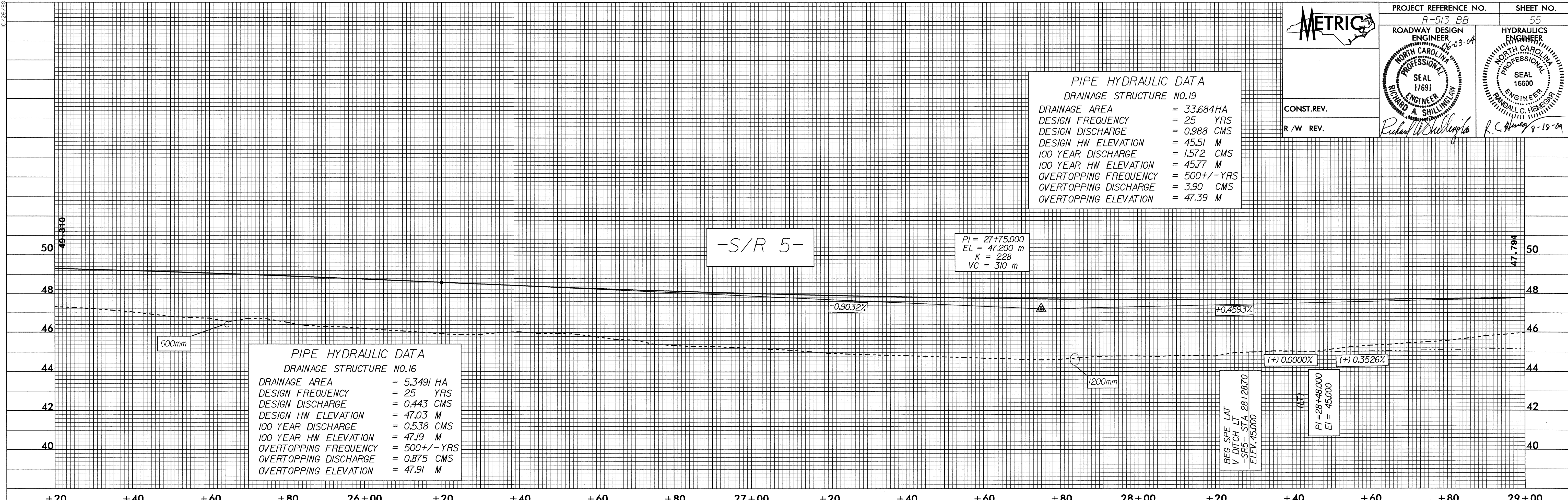
10/26/04



PROJECT REFERENCE NO. R-513 BB	SHEET NO. 55
ROADWAY DESIGN ENGINEER 16-03-04	HYDRAULICS ENGINEER SEAL 16600 RICHARD C. HENEGART 19-15-04
CONST. REV.	R/W REV.

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.19

DRAINAGE AREA = 33.684 HA
 DESIGN FREQUENCY = 25 YRS
 DESIGN DISCHARGE = 0.988 CMS
 DESIGN HW ELEVATION = 45.51 M
 100 YEAR DISCHARGE = 1.572 CMS
 100 YEAR HW ELEVATION = 45.77 M
 OVERTOPPING FREQUENCY = 500+/-YRS
 OVERTOPPING DISCHARGE = 3.90 CMS
 OVERTOPPING ELEVATION = 47.39 M



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