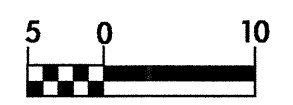


5/09/05



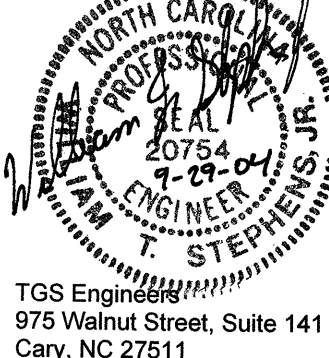
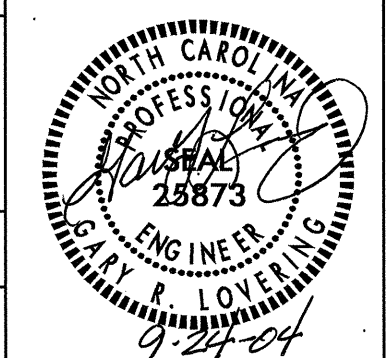
PROJECT REFERENCE NO. R-0513A SHEET NO. 45

ROADWAY DESIGN ENGINEER HYDRAULICS ENGINEER



CONST. REV.

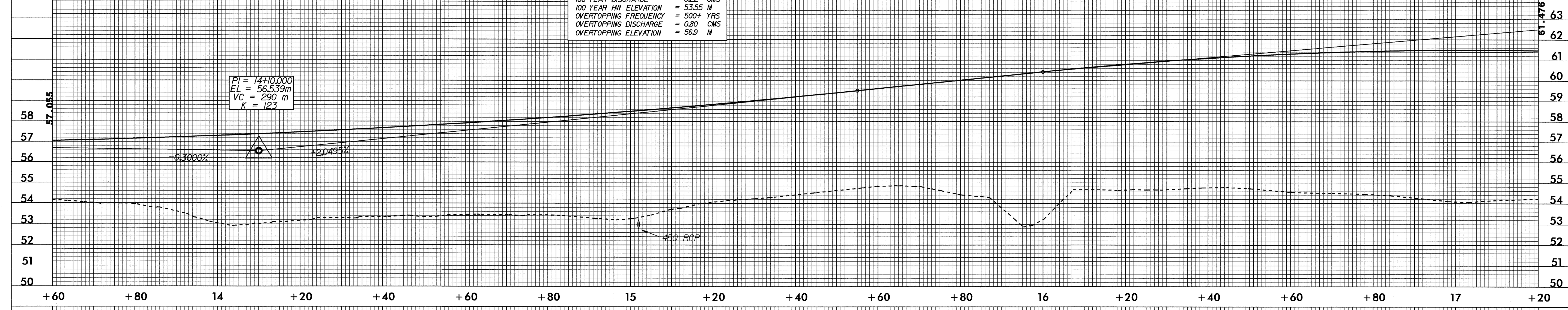
R / W REV.



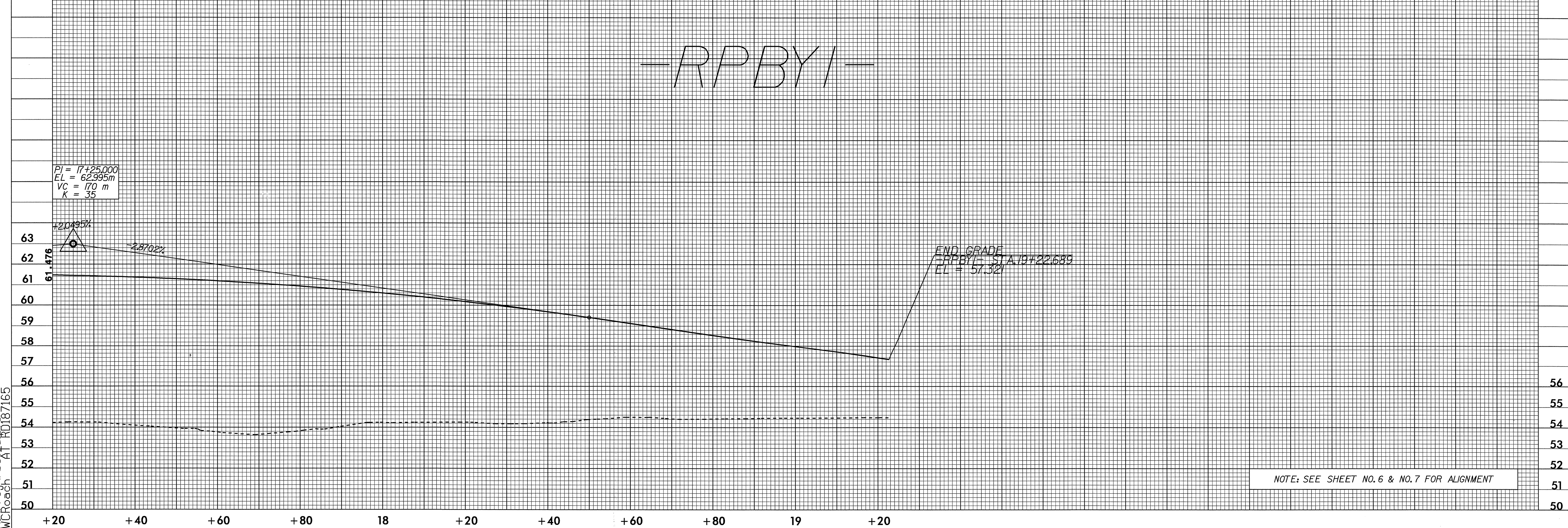
TGS Engineers
975 Walnut Street, Suite 141
Cary, NC 27511

-RPBYI-

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.19	
DRAINAGE AREA	= 12 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.19 CMS
DESIGN HW ELEVATION	= 53.39 M
100 YEAR DISCHARGE	= 0.22 CMS
100 YEAR HW ELEVATION	= 53.55 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 0.80 CMS
OVERTOPPING ELEVATION	= 56.9 M



-RPBYI-



NOTE: SEE SHEET NO. 6 & NO. 7 FOR ALIGNMENT

08-JUL-2004 14:51
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