

6/09/09



PROJECT REFERENCE NO. R-0513A	SHEET NO. 70
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	TGS Engineers 975 Walnut Street, Suite 141 Cary, NC 27511
R /W REV.	

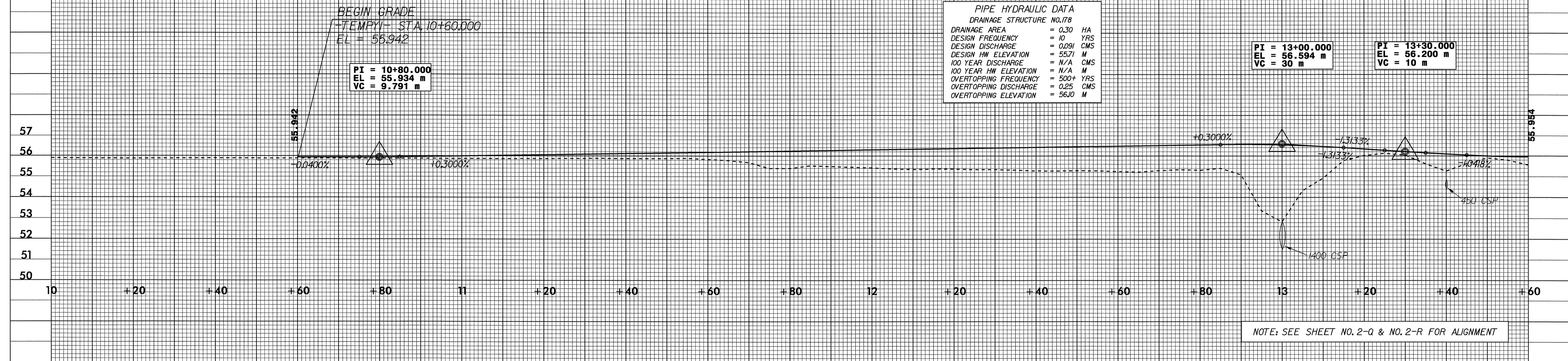
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.177

DRAINAGE AREA	= 83 HA
DESIGN FREQUENCY	= 10 YRS
DESIGN DISCHARGE	= 3.24 CMS
DESIGN HW ELEVATION	= 53.40 M
100 YEAR DISCHARGE	= N/A CMS
100 YEAR HW ELEVATION	= N/A M
OVERTOPPING FREQUENCY	= 50+ YRS
OVERTOPPING DISCHARGE	= 5.5 CMS
OVERTOPPING ELEVATION	= 55.00 M

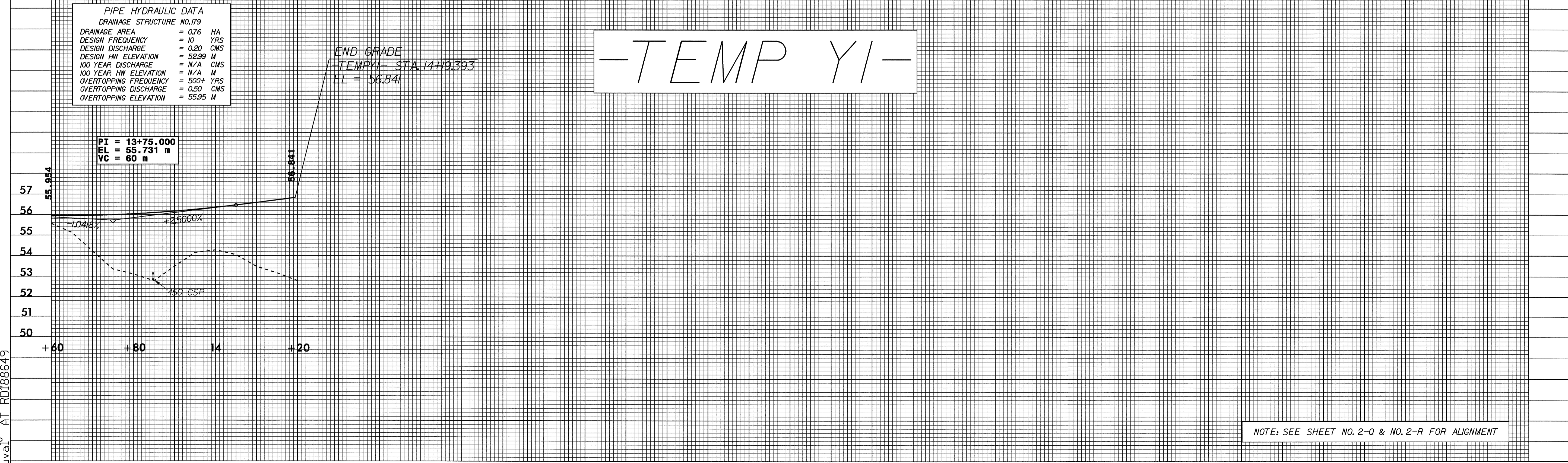
PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.178

DRAINAGE AREA	= 0.30 HA
DESIGN FREQUENCY	= 10 YRS
DESIGN DISCHARGE	= 0.091 CMS
DESIGN HW ELEVATION	= 55.71 M
100 YEAR DISCHARGE	= N/A CMS
100 YEAR HW ELEVATION	= N/A M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 0.25 CMS
OVERTOPPING ELEVATION	= 56.10 M

-TEMP YI-



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