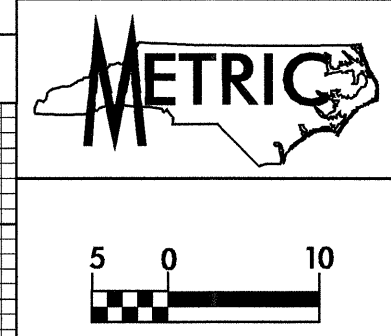


6/09/08

RIGHT DITCH DITCH LEGEND

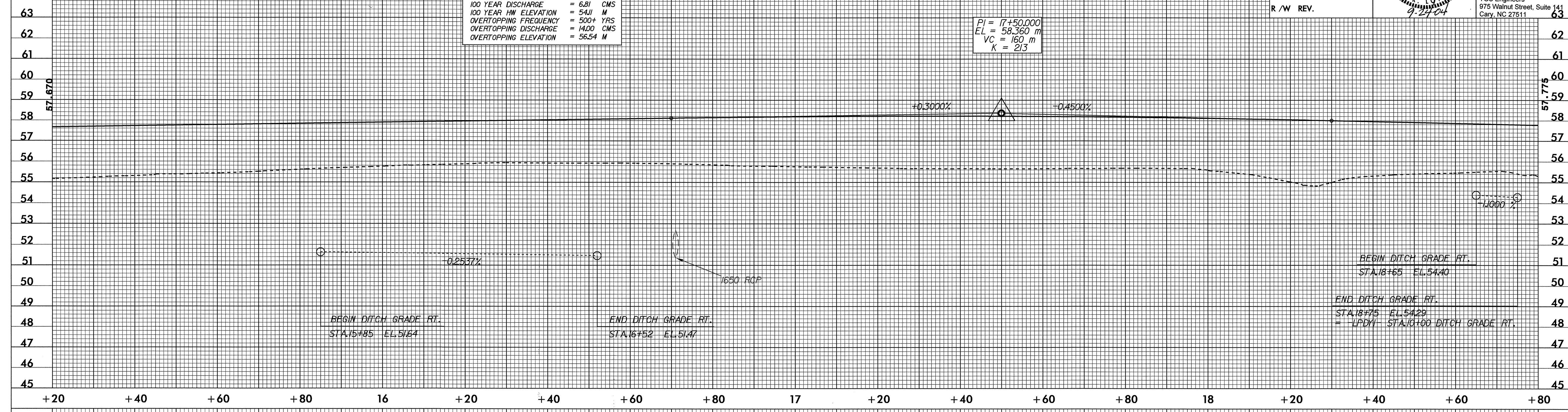


PROJECT REFERENCE NO. R-0513A	SHEET NO. 31
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS Engineering 975 Walnut Street, Suite 141 Cary, NC 27511	

PIPE HYDRAULIC DATA  
DRAINAGE STRUCTURE NO.15

DRAINAGE AREA	= 83 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 5.70 CMS
DESIGN HW ELEVATION	= 53.62 M
100 YEAR DISCHARGE	= 6.81 CMS
100 YEAR HW ELEVATION	= 54.11 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 14.00 CMS
OVERTOPPING ELEVATION	= 56.54 M

PI = 7+50.000  
EL = 58.360 m  
VC = 160 m  
K = 213



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

08-JUL-2004 14:57  
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MCRoach A1 110187165