

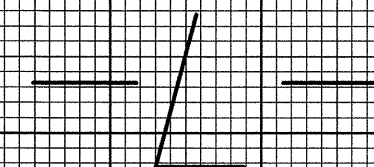
6.09/29



PROJECT REFERENCE NO. R-0513A	SHEET NO. 38
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
TGS Engineering 975 Walnut Street, Suite 141 Cary, NC 27511	

CONST. REV.
R / W REV.

BM*9 - RR SPIKE IN BASE OF 300mm MAPLE
73.259m LT. -L- STA. 66+10.825 EL= 50.741



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.19

DRAINAGE AREA	= 2.02 HA
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.41 CMS
DESIGN HW ELEVATION	= 50.37 M
100 YEAR DISCHARGE	= 0.45 CMS
100 YEAR HW ELEVATION	= 50.47 M
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 0.86 CMS
OVERTOPPING ELEVATION	= 51.83 M

PI = 66+51.058
EL = 51.858 m
VC = 200 m
K = 333

BM*10 - NAIL IN BASE OF POWER POLE
59.565m RT. -L- STA. 68+58.658 EL= 51.007

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PI = 72+00.000
EL = 53.635 m
VC = 100 m
K = 167

NOTE: SEE SHEET NO. 19 & NO. 20 FOR ALIGNMENT

08 JUL 2004 14:54
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