



PROJECT REFERENCE NO. R-513 BB	SHEET NO. 48
ROADWAY DESIGN ENGINEER 06-03-04	HYDRAULICS ENGINEER
CONST. REV.	
R / W REV.	

PIPE HYDRAULIC DATA
 DRAINAGE STRUCTURE NO.46
 DRAINAGE AREA = 2.666 HA
 DESIGN FREQUENCY = 25 YRS
 DESIGN DISCHARGE = 0.211 CMS
 DESIGN HW ELEVATION = 45.17 M
 100 YEAR DISCHARGE = 0.255 CMS
 100 YEAR HW ELEVATION = 45.5 M
 OVERTOPPING FREQUENCY = 200+ YRS
 OVERTOPPING DISCHARGE = 1.57 CMS
 OVERTOPPING ELEVATION = 45.842 M

-Y-

PI = 18+80.200
 EL = 46.172 m
 K = 45
 VC = 176 m

END GRADE
 -Y- Sta 19+70.000
 EL 46.075m DOES NOT
 INCLUDE RESURFACING

