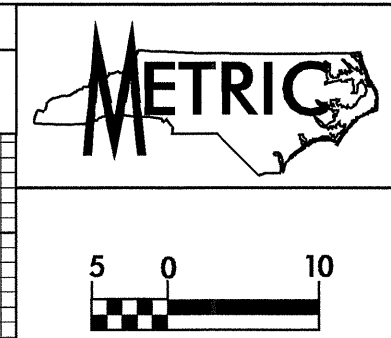


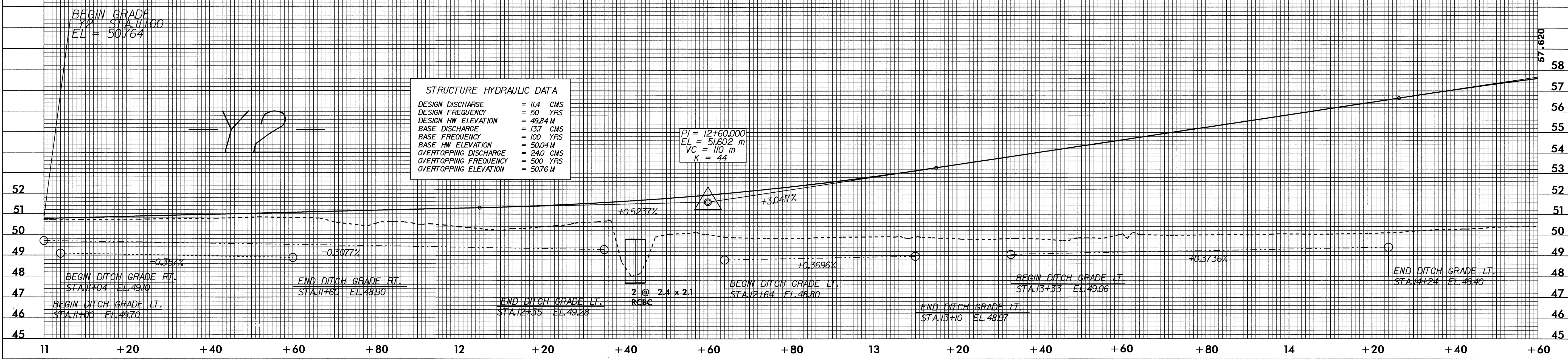
6/09/05

DITCH LEGEND  
RIGHT DITCH - - - - -  
LEFT DITCH - - - - -



PROJECT REFERENCE NO. R-0513A	SHEET NO. 50
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
CONST. REV.	
R / W REV.	

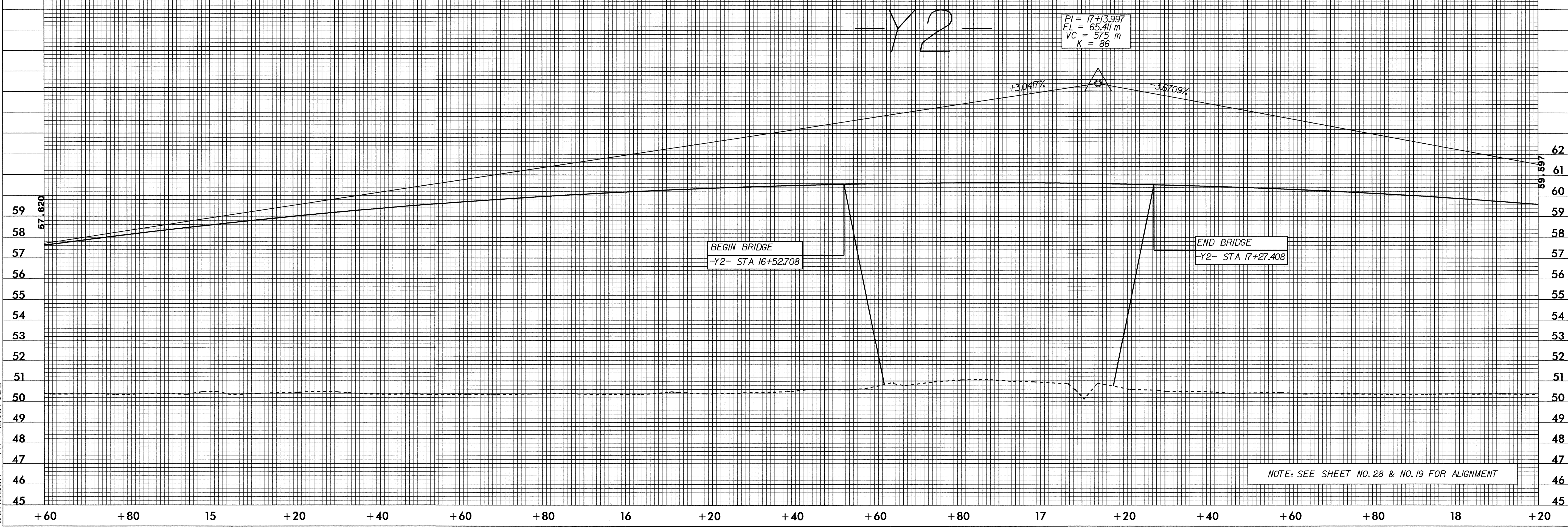
TGS Engineers  
975 Walnut Street, Suite 141  
Cary, NC 27511  
9-29-04



**STRUCTURE HYDRAULIC DATA**

DESIGN DISCHARGE	= 11.4 CMS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 49.84 M
BASE DISCHARGE	= 137 CMS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 50.04 M
OVERTOPPING DISCHARGE	= 240 CMS
OVERTOPPING FREQUENCY	= 500 YRS
OVERTOPPING ELEVATION	= 50.76 M

PI = 12+60.000  
EL = 51.602 m  
VC = 110 m  
K = 44



NOTE: SEE SHEET NO. 28 & NO. 19 FOR ALIGNMENT

08-JUL-2004 14:48  
R:\Proj\A0513081  
M\roach AI 10187165