

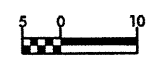


PROJECT REFERENCE NO. R 513C	SHEET NO. 42
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
PRELIMINARY PLANS DO NOT USE FOR CONSTRUCTION	
 TGS ENGINEERS ADAPTED FROM: TGS ENGINEERS SLIITE 14.1 975 WALNUT STREET CARY, NC 27511	
PREPARED BY:	
 CAULIN ENGINEERS and SCIENTISTS WILMINGTON, NORTH CAROLINA	

METRIC



CONST. REV. _____
RW REV. _____

-Y3- PI Sta. 13+62.014 $\Delta = 0^\circ 40' 52.7" (LT)$ $L = 10.702$ $T = 5.351$ $R = 900.000$ $SE = .05$	-Y3A- PI Sta. 13+87.367 $\theta_s = 1^\circ 54' 35.5"$ $L_s = 60.000$ $LT = 40.002$ $ST = 20.002$	-Y3A- PI Sta. 10+25.476 $\Delta = 40^\circ 38.2" (LT)$ $L = 50.929$ $T = 25.476$ $R = 698.550$ $SE =$	-Y3A- PI Sta. 11+39.722 $\Delta = 68^\circ 25' 24.8" (LT)$ $L = 59.711$ $T = 33.995$ $R = 50.000$ $SE =$	-Y3A- PI Sta. 13+15.261 $\Delta = 17^\circ 04' 25.2" (LT)$ $L = 173.469$ $T = 87.382$ $R = 582.126$ $SE =$
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