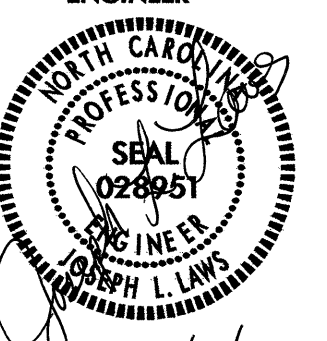
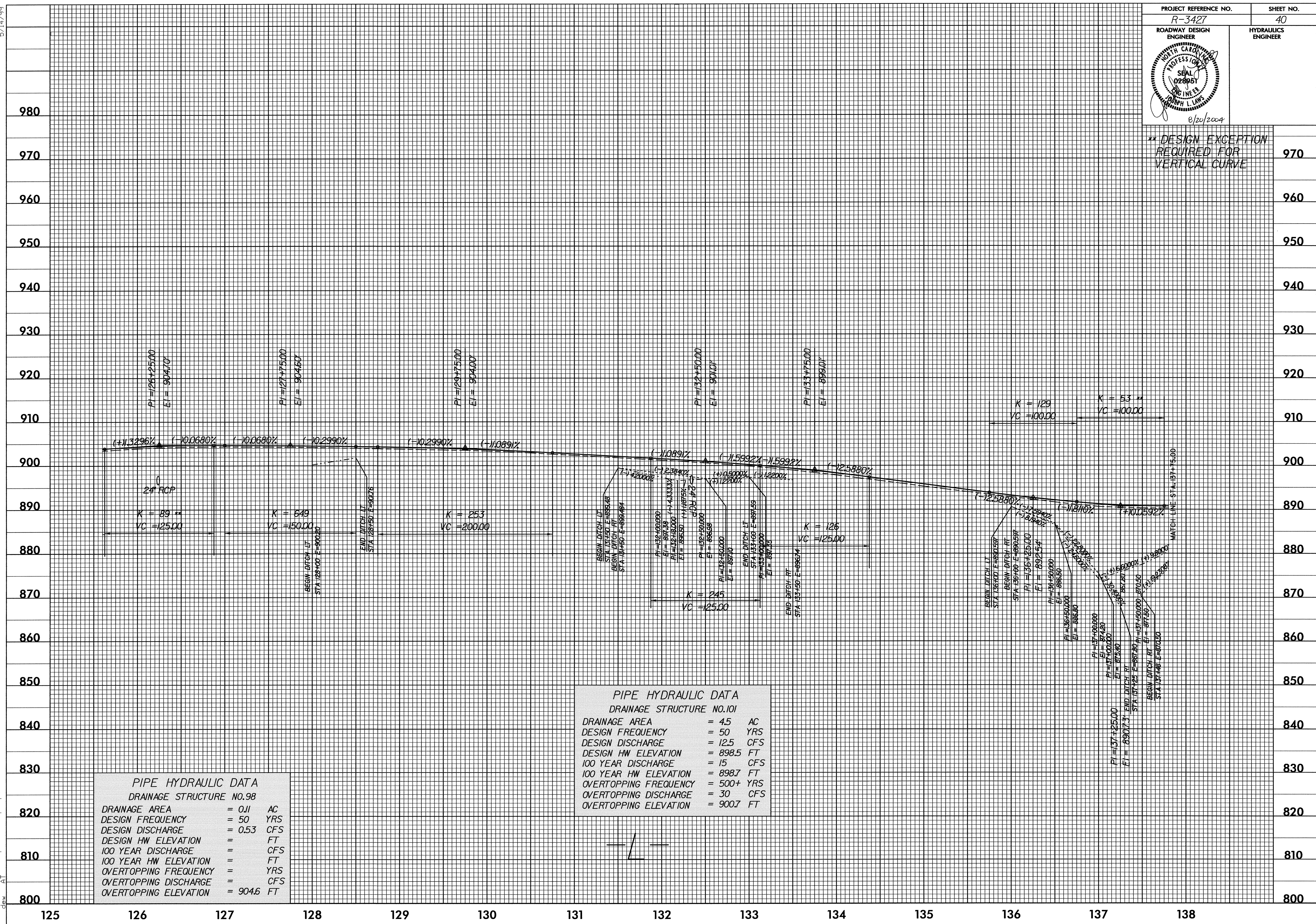


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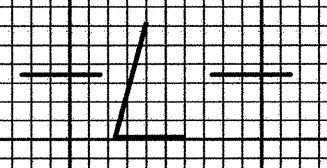
PROJECT REFERENCE NO. R-3427	SHEET NO. 40
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
	
8/20/2004	

** DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVE



PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.98	
DRAINAGE AREA	= 0.11 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 0.53 CFS
DESIGN HW ELEVATION	= FT
100 YEAR DISCHARGE	= CFS
100 YEAR HW ELEVATION	= FT
OVERTOPPING FREQUENCY	= YRS
OVERTOPPING DISCHARGE	= CFS
OVERTOPPING ELEVATION	= 904.6 FT

PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.101	
DRAINAGE AREA	= 4.5 AC
DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 12.5 CFS
DESIGN HW ELEVATION	= 898.5 FT
100 YEAR DISCHARGE	= 15 CFS
100 YEAR HW ELEVATION	= 898.7 FT
OVERTOPPING FREQUENCY	= 500+ YRS
OVERTOPPING DISCHARGE	= 30 CFS
OVERTOPPING ELEVATION	= 900.7 FT



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