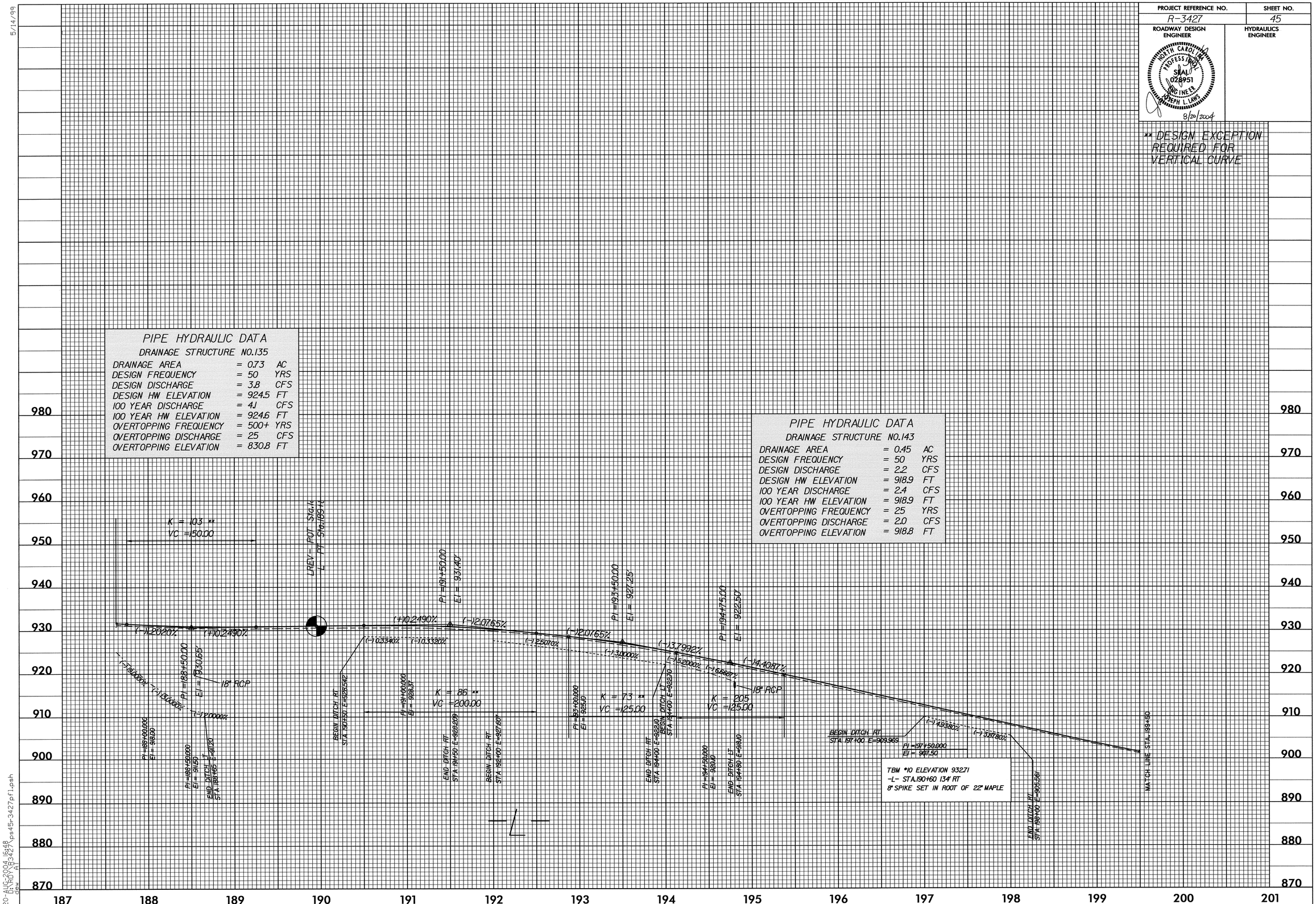
PROJECT REFERENCE NO.	SHEET NO.
R-3427	45
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 028951 ENGINEER JOSEPH L. LAWS
9/20/2004

** DESIGN EXCEPTION REQUIRED FOR VERTICAL CURVE



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.135

DRAINAGE AREA	= 0.73	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 3.8	CFS
DESIGN HW ELEVATION	= 924.5	FT
100 YEAR DISCHARGE	= 4.1	CFS
100 YEAR HW ELEVATION	= 924.6	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 25	CFS
OVERTOPPING ELEVATION	= 830.8	FT

PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.143

DRAINAGE AREA	= 0.45	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 2.2	CFS
DESIGN HW ELEVATION	= 918.9	FT
100 YEAR DISCHARGE	= 2.4	CFS
100 YEAR HW ELEVATION	= 918.9	FT
OVERTOPPING FREQUENCY	= 25	YRS
OVERTOPPING DISCHARGE	= 2.0	CFS
OVERTOPPING ELEVATION	= 918.8	FT

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