PROJECT REFERENCE NO.	SHEET NO.
U-2579B	43

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER

Anthony A. Houser 5/21/2014

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER HENRY WELLS JR.

H. Henry Wells Jr. 5/21/2014

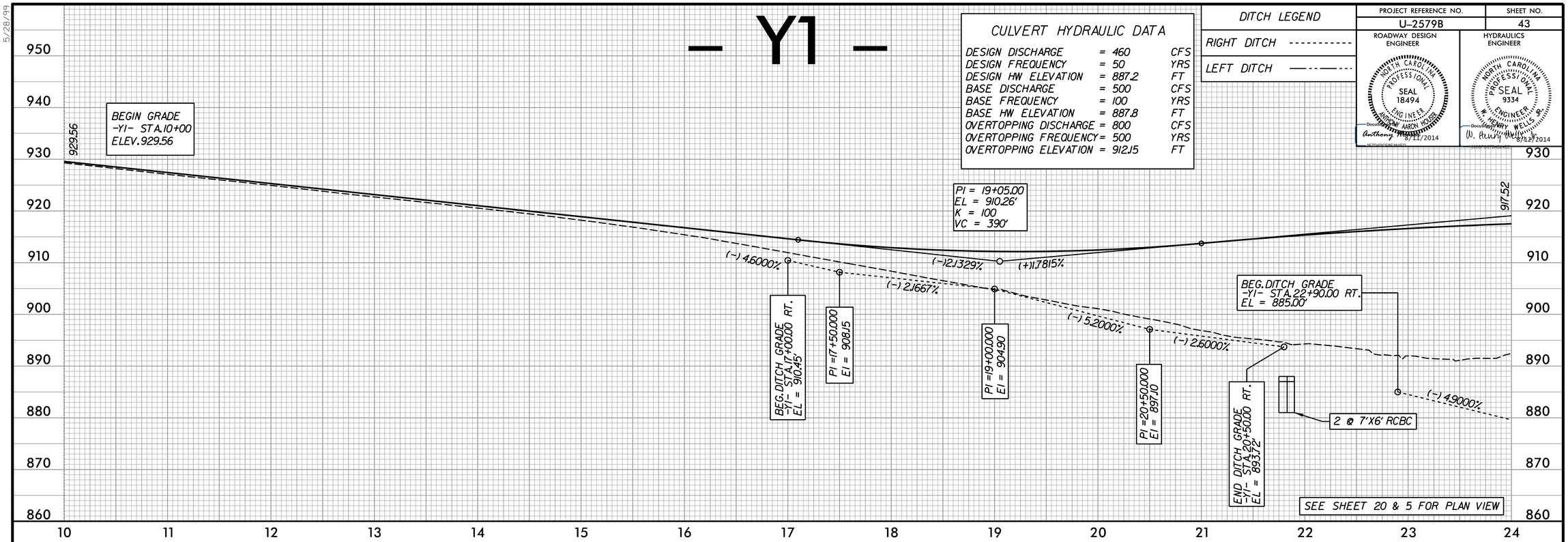
DITCH LEGEND

RIGHT DITCH ----------

LEFT DITCH —·—·—

CULVERT HYDRAULIC DATA

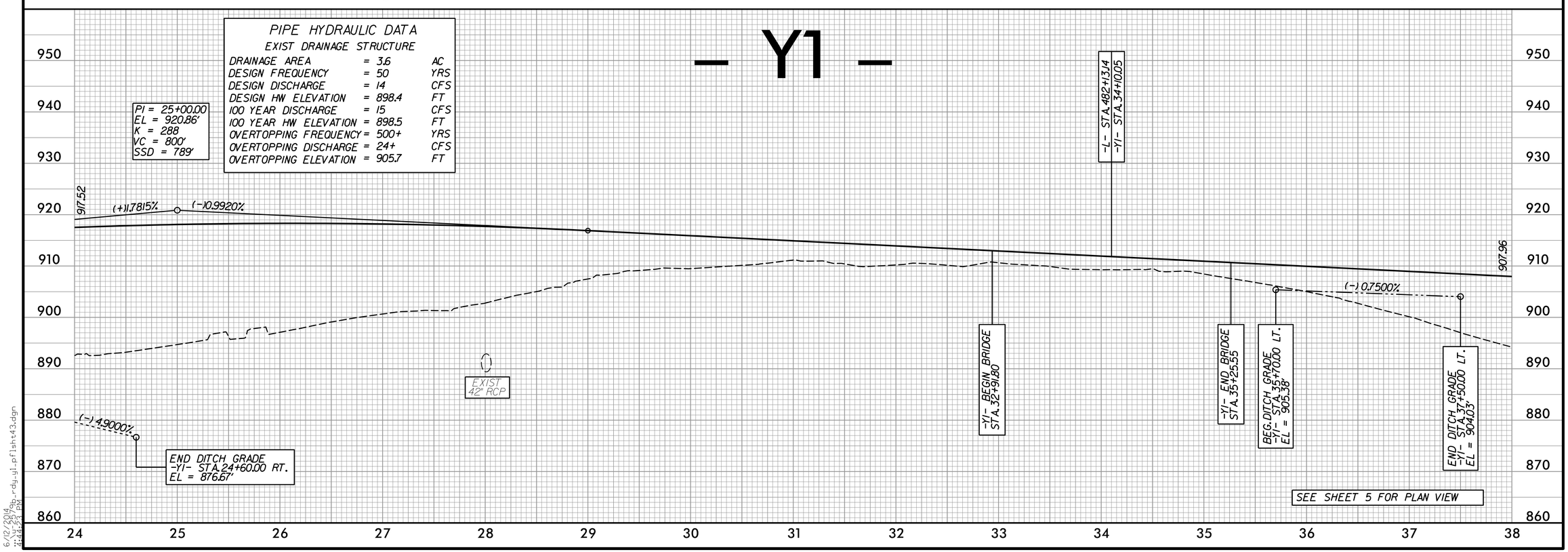
DESIGN DISCHARGE	= 460	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 887.2	FT
BASE DISCHARGE	= 500	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 887.8	FT
OVERTOPPING DISCHARGE	= 800	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 912.15	FT



PIPE HYDRAULIC DATA

EXIST DRAINAGE STRUCTURE

DRAINAGE AREA	= 3.6	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 14	CFS
DESIGN HW ELEVATION	= 898.4	FT
100 YEAR DISCHARGE	= 15	CFS
100 YEAR HW ELEVATION	= 898.5	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 24+	CFS
OVERTOPPING ELEVATION	= 905.7	FT



5/28/99

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