DITCH LEGEND
RIGHT DITCH ----------
LEFT DITCH —·—·—

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	83

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER

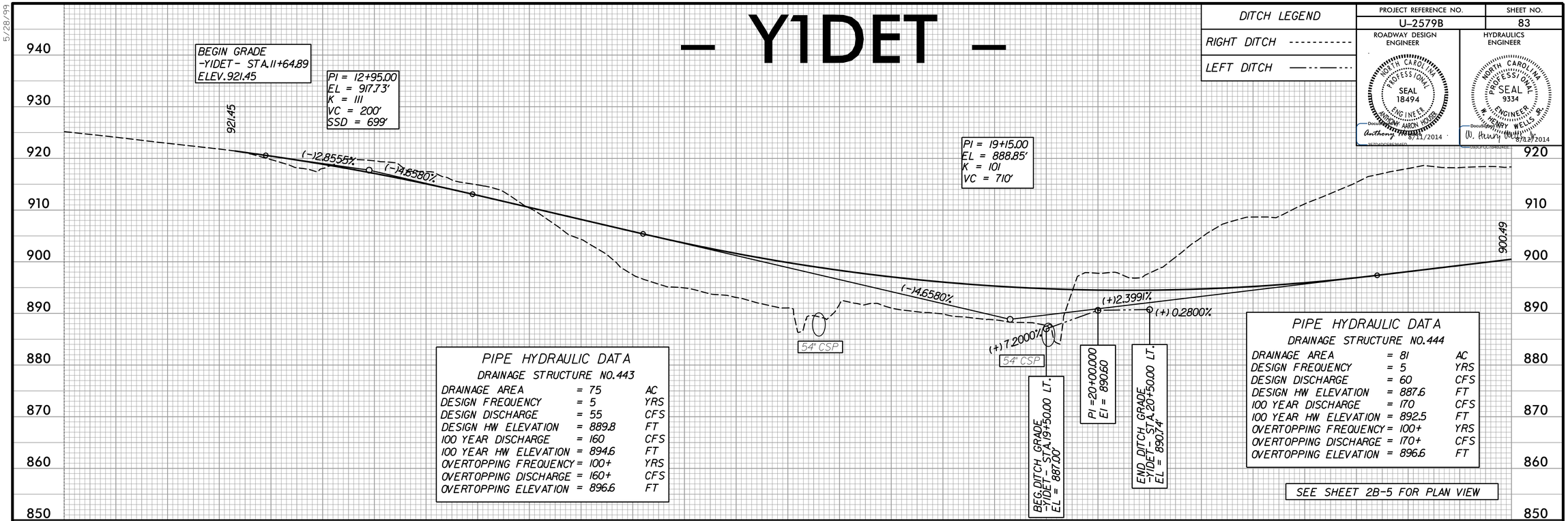
Anthony A. Houser 8/21/2014

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER H. HENRY WELLS, JR.

H. Henry Wells, Jr. 8/21/2014

– Y1DET –



PIPE HYDRAULIC DATA

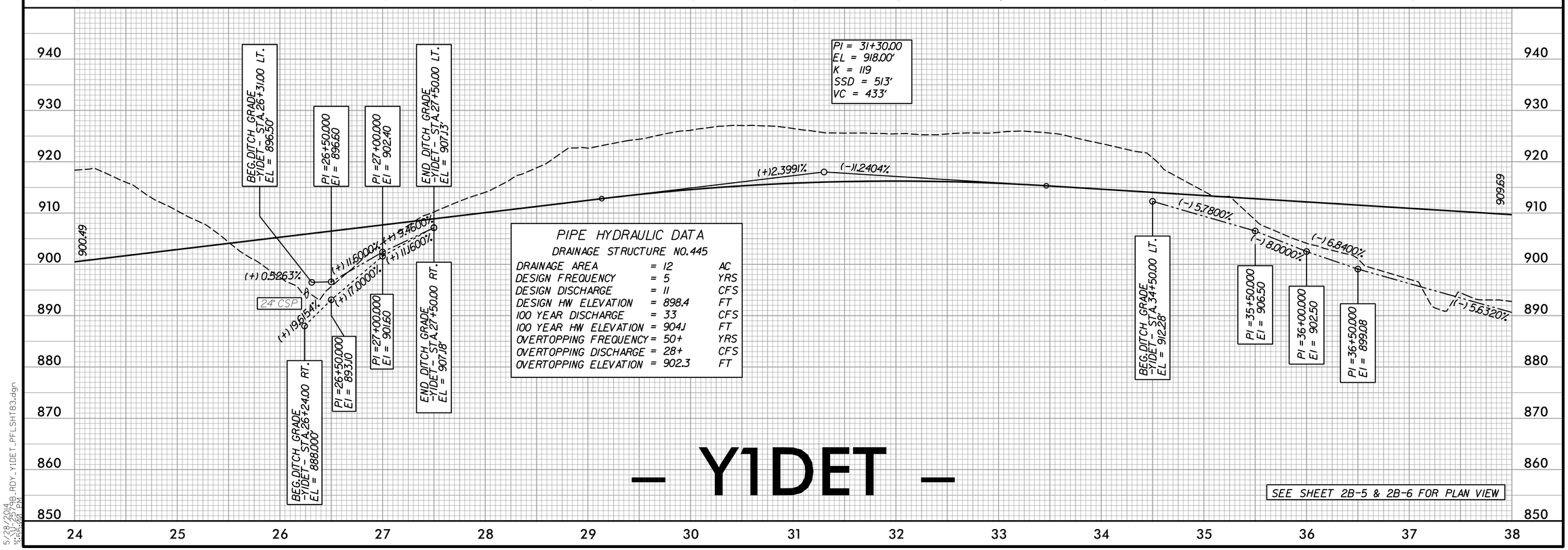
DRAINAGE STRUCTURE NO.443

DRAINAGE AREA	= 75	AC
DESIGN FREQUENCY	= 5	YRS
DESIGN DISCHARGE	= 55	CFS
DESIGN HW ELEVATION	= 889.8	FT
100 YEAR DISCHARGE	= 160	CFS
100 YEAR HW ELEVATION	= 894.6	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 160+	CFS
OVERTOPPING ELEVATION	= 896.6	FT

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.444

DRAINAGE AREA	= 81	AC
DESIGN FREQUENCY	= 5	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 887.6	FT
100 YEAR DISCHARGE	= 170	CFS
100 YEAR HW ELEVATION	= 892.5	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 170+	CFS
OVERTOPPING ELEVATION	= 896.6	FT



PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.445

DRAINAGE AREA	= 12	AC
DESIGN FREQUENCY	= 5	YRS
DESIGN DISCHARGE	= 11	CFS
DESIGN HW ELEVATION	= 898.4	FT
100 YEAR DISCHARGE	= 33	CFS
100 YEAR HW ELEVATION	= 904.1	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 28+	CFS
OVERTOPPING ELEVATION	= 902.3	FT

– Y1DET –

5/28/99

5/28/2014
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