PROJECT REFERENCE NO.	SHEET NO.
U-2579B	85

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HUSSEY

DocuSigned by: Anthony Hussey 8/11/2014

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER HENRY WELLS JR.

DocuSigned by: H. Henry Wells Jr. 8/12/2014

DITCH LEGEND

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

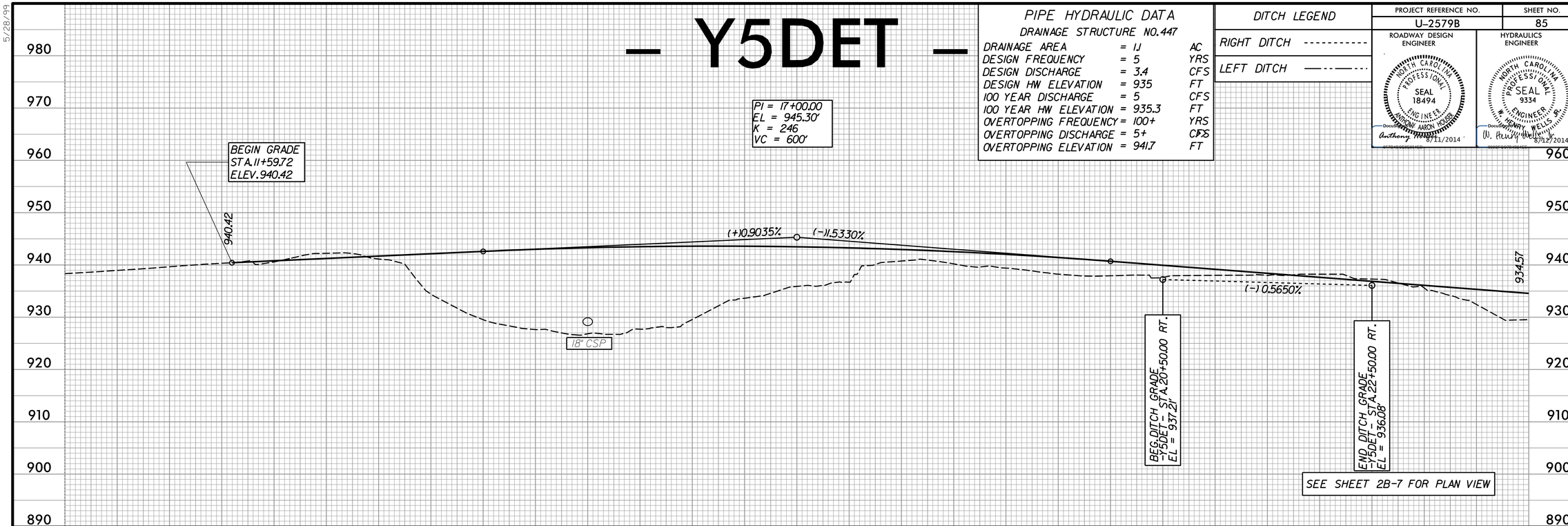
LEFT DITCH —·—·—

– Y5DET –

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.447

DRAINAGE AREA	=	1.1	AC
DESIGN FREQUENCY	=	5	YRS
DESIGN DISCHARGE	=	3.4	CFS
DESIGN HW ELEVATION	=	935	FT
100 YEAR DISCHARGE	=	5	CFS
100 YEAR HW ELEVATION	=	935.3	FT
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING DISCHARGE	=	5+	CFS
OVERTOPPING ELEVATION	=	941.7	FT

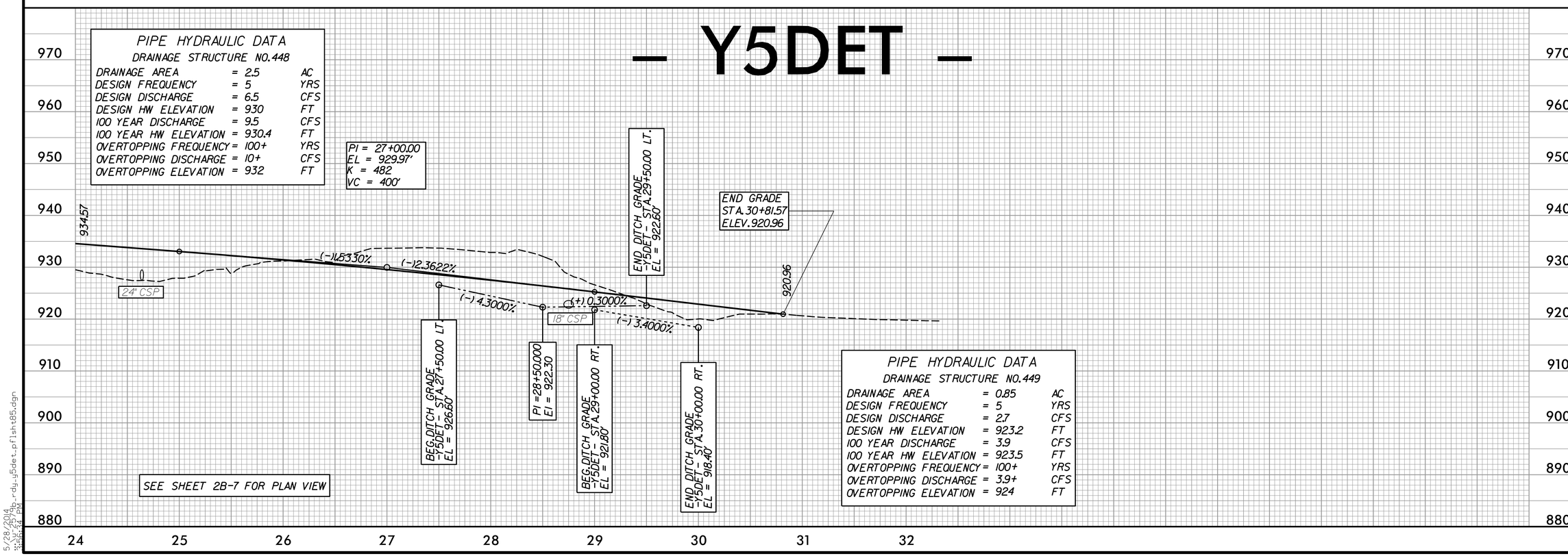


– Y5DET –

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.448

DRAINAGE AREA	=	2.5	AC
DESIGN FREQUENCY	=	5	YRS
DESIGN DISCHARGE	=	6.5	CFS
DESIGN HW ELEVATION	=	930	FT
100 YEAR DISCHARGE	=	9.5	CFS
100 YEAR HW ELEVATION	=	930.4	FT
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING DISCHARGE	=	10+	CFS
OVERTOPPING ELEVATION	=	932	FT



PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.449

DRAINAGE AREA	=	0.85	AC
DESIGN FREQUENCY	=	5	YRS
DESIGN DISCHARGE	=	2.7	CFS
DESIGN HW ELEVATION	=	923.2	FT
100 YEAR DISCHARGE	=	3.9	CFS
100 YEAR HW ELEVATION	=	923.5	FT
OVERTOPPING FREQUENCY	=	100+	YRS
OVERTOPPING DISCHARGE	=	3.9+	CFS
OVERTOPPING ELEVATION	=	924	FT

5/28/99

5/28/2014
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