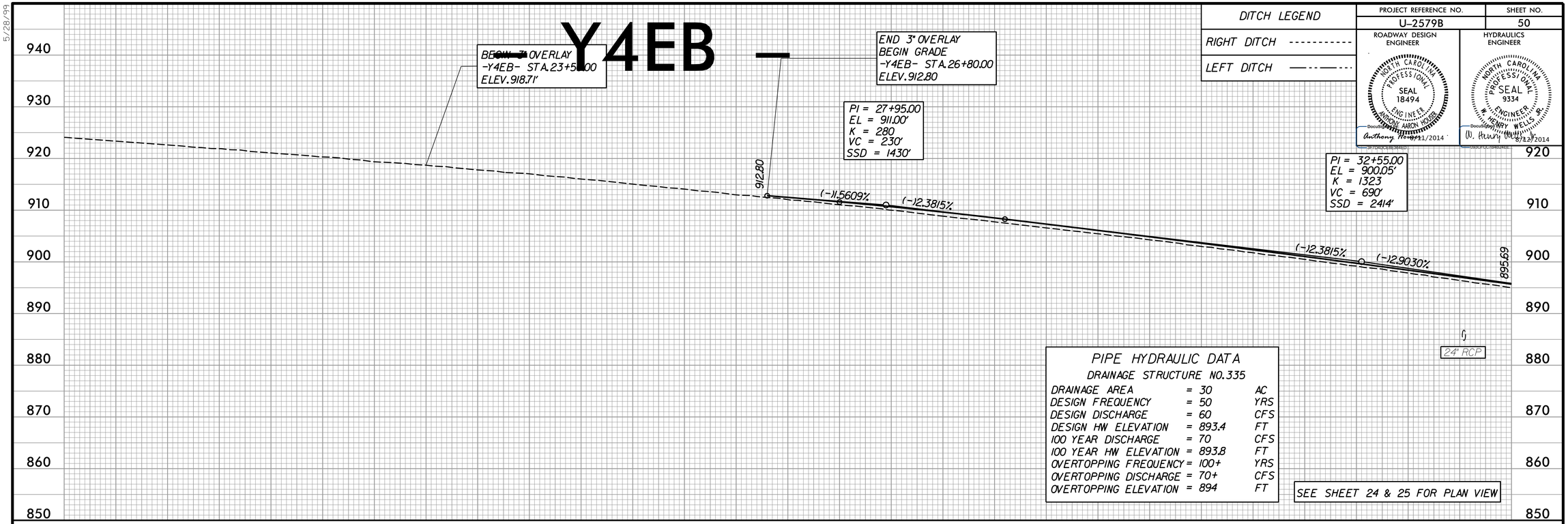
DITCH LEGEND	PROJECT REFERENCE NO.	SHEET NO.
RIGHT DITCH ----------	U-2579B	50
LEFT DITCH —·—·—	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER — Anthony Houser 8/21/2014

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. HENRY WELLS JR. — W. Henry Wells Jr. 8/21/2014

Y4EB

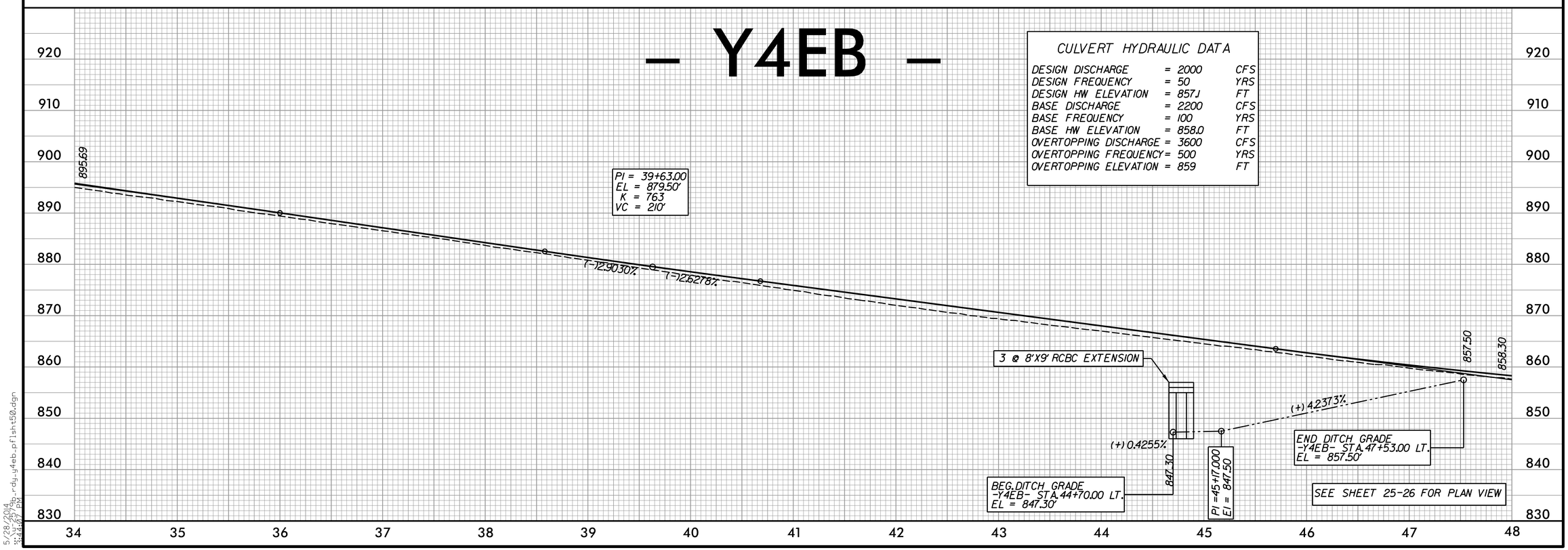


PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.335

DRAINAGE AREA	= 30	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 893.4	FT
100 YEAR DISCHARGE	= 70	CFS
100 YEAR HW ELEVATION	= 893.8	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 70+	CFS
OVERTOPPING ELEVATION	= 894	FT

SEE SHEET 24 & 25 FOR PLAN VIEW

Y4EB



CULVERT HYDRAULIC DATA

DESIGN DISCHARGE	= 2000	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 857.1	FT
BASE DISCHARGE	= 2200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 858.0	FT
OVERTOPPING DISCHARGE	= 3600	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 859	FT

SEE SHEET 25-26 FOR PLAN VIEW

5/28/99
5/28/2014
U:\2579b_rdy_y4eb_plsh50.dgn
3:44:07 PM