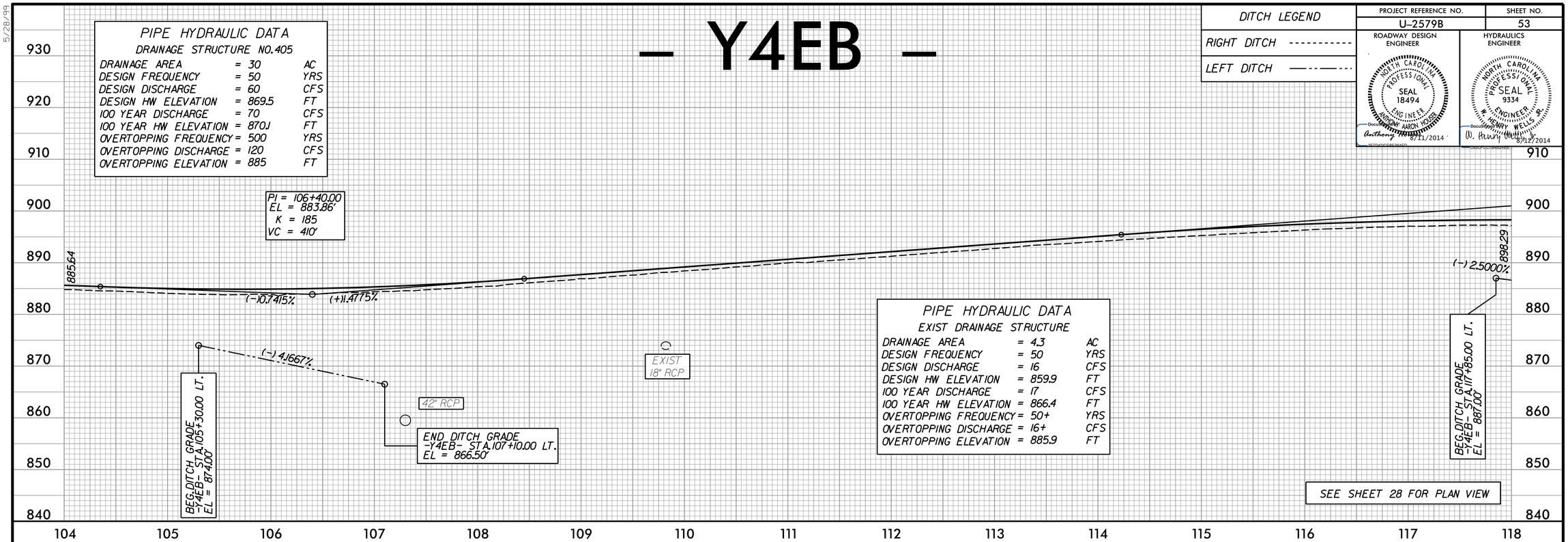
DITCH LEGEND	PROJECT REFERENCE NO.	SHEET NO.
RIGHT DITCH ----------	U-2579B	53
LEFT DITCH —·—·—	ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER — 8/11/2014

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. HENRY WELLS JR. — 8/12/2014

– Y4EB –



PIPE HYDRAULIC DATA
DRAINAGE STRUCTURE NO.405

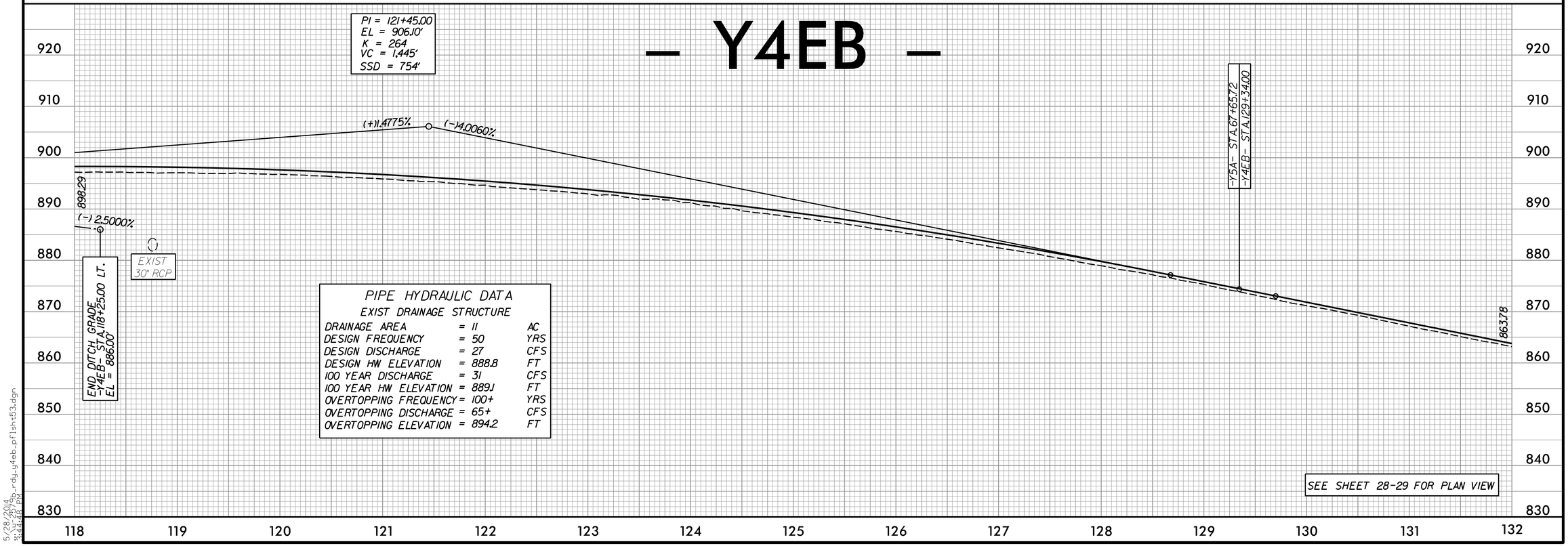
DRAINAGE AREA	= 30	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 60	CFS
DESIGN HW ELEVATION	= 869.5	FT
100 YEAR DISCHARGE	= 70	CFS
100 YEAR HW ELEVATION	= 870.1	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 120	CFS
OVERTOPPING ELEVATION	= 885	FT

PIPE HYDRAULIC DATA
EXIST DRAINAGE STRUCTURE

DRAINAGE AREA	= 4.3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 16	CFS
DESIGN HW ELEVATION	= 859.9	FT
100 YEAR DISCHARGE	= 17	CFS
100 YEAR HW ELEVATION	= 866.4	FT
OVERTOPPING FREQUENCY	= 50+	YRS
OVERTOPPING DISCHARGE	= 16+	CFS
OVERTOPPING ELEVATION	= 885.9	FT

SEE SHEET 28 FOR PLAN VIEW

– Y4EB –



PIPE HYDRAULIC DATA
EXIST DRAINAGE STRUCTURE

DRAINAGE AREA	= 11	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 27	CFS
DESIGN HW ELEVATION	= 888.8	FT
100 YEAR DISCHARGE	= 31	CFS
100 YEAR HW ELEVATION	= 889.1	FT
OVERTOPPING FREQUENCY	= 100+	YRS
OVERTOPPING DISCHARGE	= 65+	CFS
OVERTOPPING ELEVATION	= 894.2	FT

SEE SHEET 28-29 FOR PLAN VIEW

5/28/99
5/28/2014
12:44:48 PM
u:\u2579b_rdy_y4eb_pfl5ht53.dgn