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

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	52

ROADWAY DESIGN ENGINEER

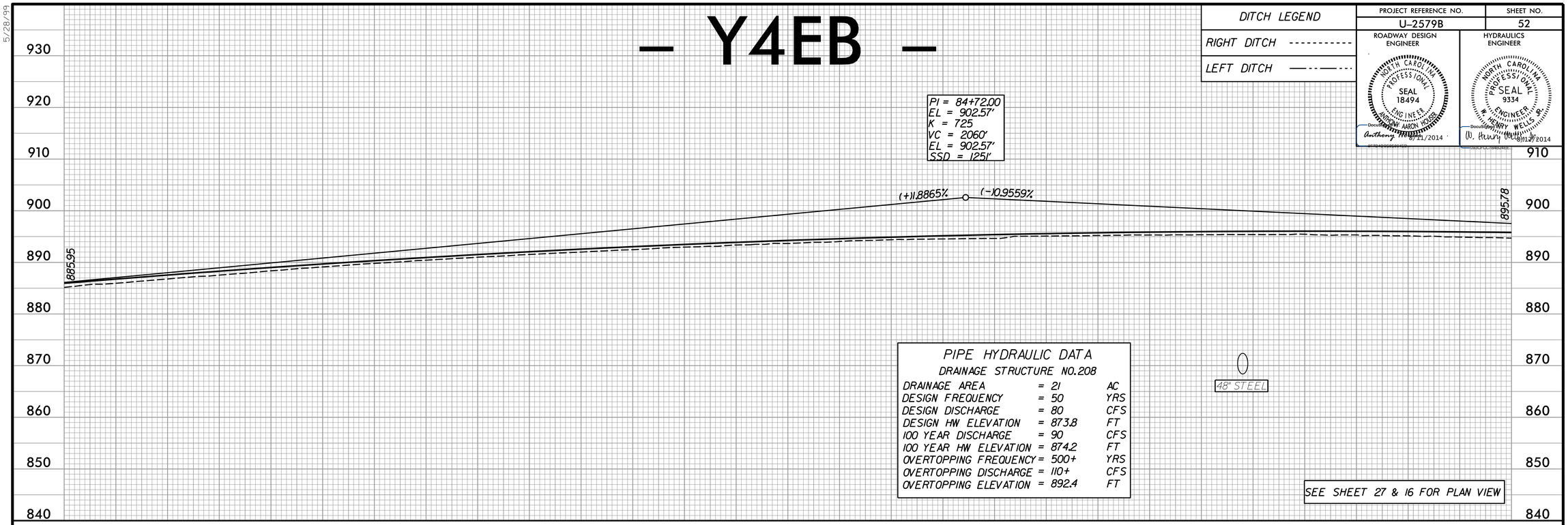
NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER

Docusigned by: Anthony Houser 8/21/2014

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 9334 ENGINEER W. HENRY WELLS JR.

Docusigned by: W. Henry Wells Jr. 8/21/2014

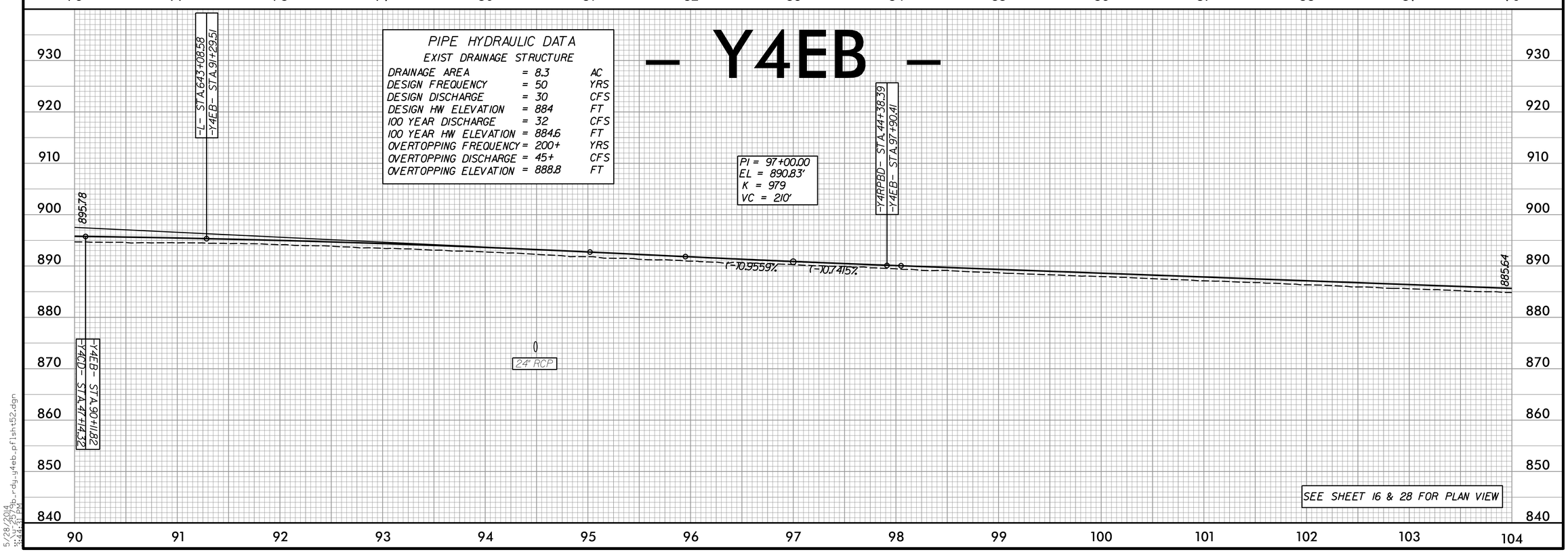


PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.208

DRAINAGE AREA	= 21	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 80	CFS
DESIGN HW ELEVATION	= 873.8	FT
100 YEAR DISCHARGE	= 90	CFS
100 YEAR HW ELEVATION	= 874.2	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 110+	CFS
OVERTOPPING ELEVATION	= 892.4	FT

SEE SHEET 27 & 16 FOR PLAN VIEW



PIPE HYDRAULIC DATA

EXIST DRAINAGE STRUCTURE

DRAINAGE AREA	= 8.3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 30	CFS
DESIGN HW ELEVATION	= 884	FT
100 YEAR DISCHARGE	= 32	CFS
100 YEAR HW ELEVATION	= 884.6	FT
OVERTOPPING FREQUENCY	= 200+	YRS
OVERTOPPING DISCHARGE	= 45+	CFS
OVERTOPPING ELEVATION	= 888.8	FT

PI = 97+00.00
EL = 890.83'
K = 979
VC = 210'

SEE SHEET 16 & 28 FOR PLAN VIEW

5/28/99

5/28/2014 12:29:43 PM
u2579b_rdy_y4eb_pfl_sht52.dgn