– Y4RPA –

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

PROJECT REFERENCE NO.	SHEET NO.
U-2579B	69

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 18494 ENGINEER ANTHONY AARON HOUSER

Anthony Houser 8/21/2014

HYDRAULICS ENGINEER

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

W. Henry Wells Jr. 8/21/2014

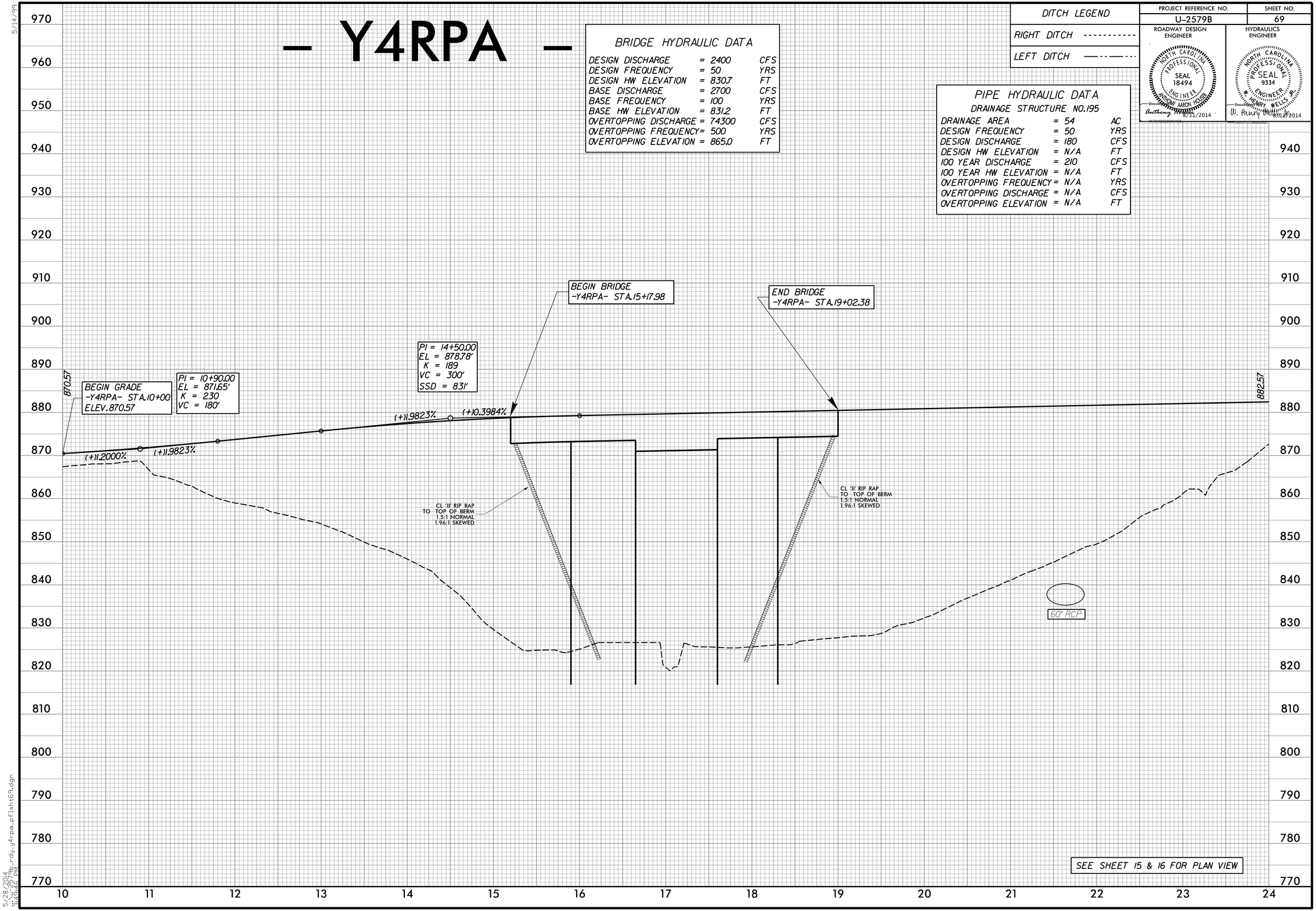
BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2400	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 830.7	FT
BASE DISCHARGE	= 2700	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 831.2	FT
OVERTOPPING DISCHARGE	= 74300	CFS
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING ELEVATION	= 865.0	FT

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.195

DRAINAGE AREA	= 54	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 180	CFS
DESIGN HW ELEVATION	= N/A	FT
100 YEAR DISCHARGE	= 210	CFS
100 YEAR HW ELEVATION	= N/A	FT
OVERTOPPING FREQUENCY	= N/A	YRS
OVERTOPPING DISCHARGE	= N/A	CFS
OVERTOPPING ELEVATION	= N/A	FT



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