

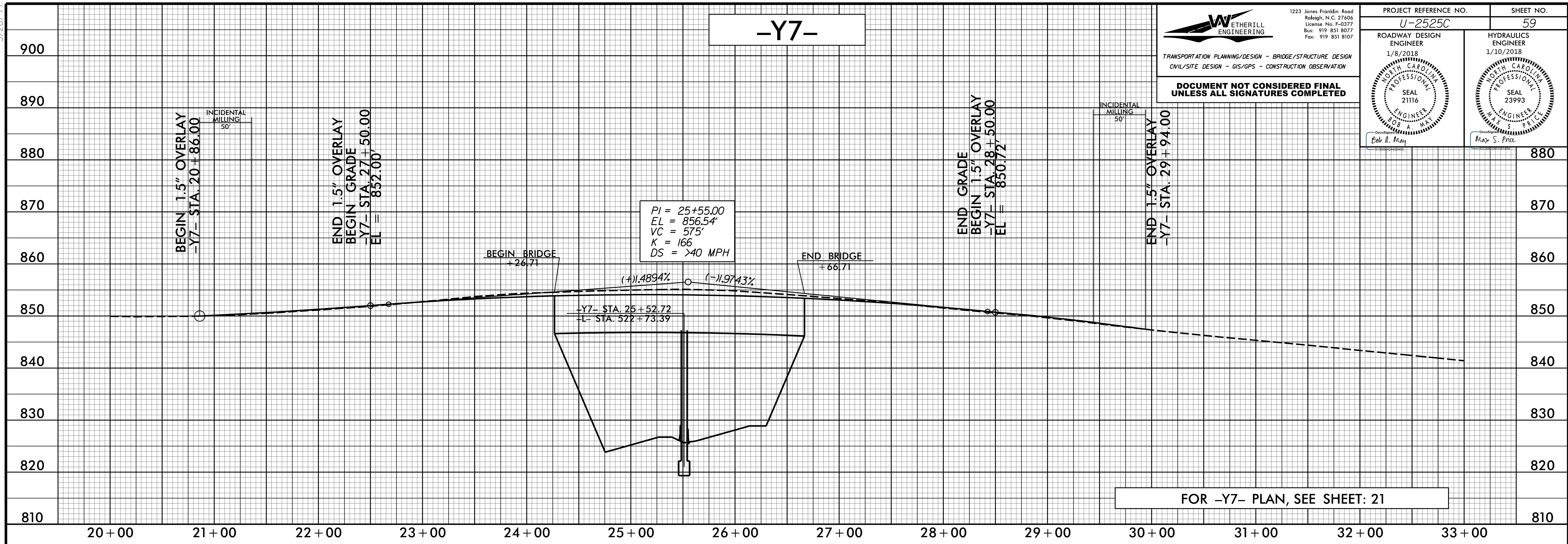
5/28/2017

**WETHERILL ENGINEERING**  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

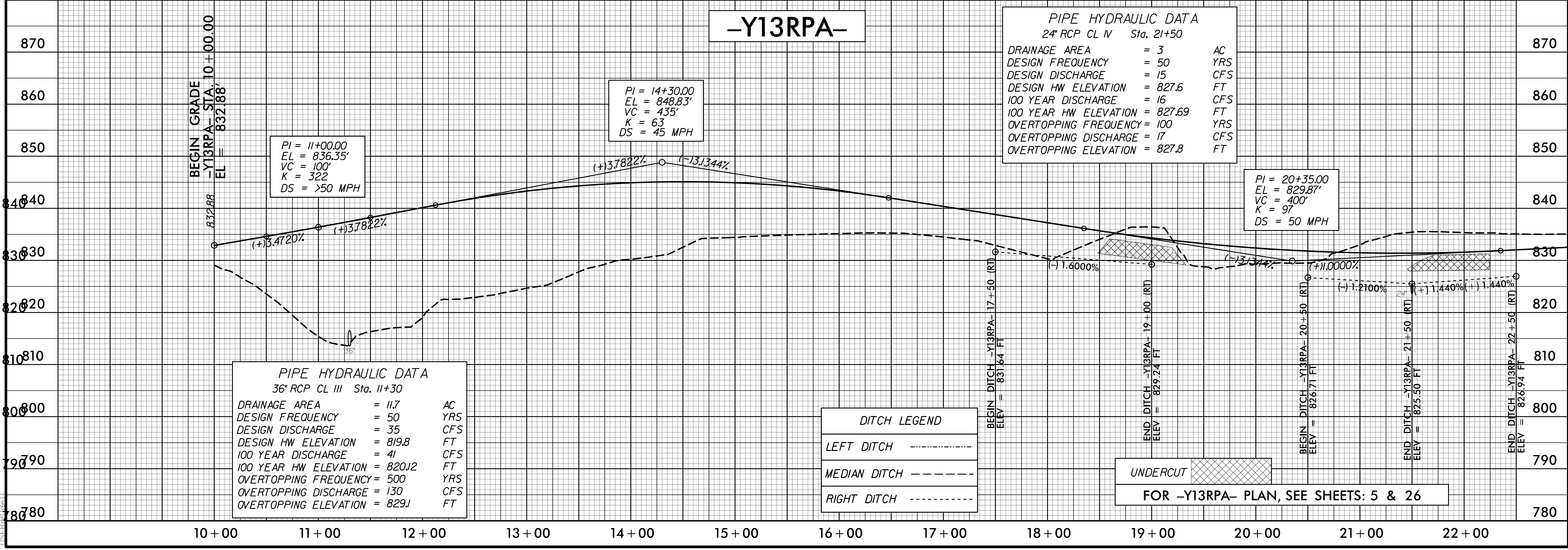
**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>59</b>
ROADWAY DESIGN ENGINEER 1/8/2018	HYDRAULICS ENGINEER 1/10/2018
SEAL 21116 BOB A. HAY	SEAL 23993 MAY S. PRICE
Bob A. Hay	May S. Price



FOR -Y7- PLAN, SEE SHEET: 21

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**PIPE HYDRAULIC DATA**  
 24" RCP CL IV Sta. 21+50

DRAINAGE AREA	= 3	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 15	CFS
DESIGN HW ELEVATION	= 827.6	FT
100 YEAR DISCHARGE	= 16	CFS
100 YEAR HW ELEVATION	= 827.69	FT
OVERTOPPING FREQUENCY	= 100	YRS
OVERTOPPING DISCHARGE	= 17	CFS
OVERTOPPING ELEVATION	= 827.8	FT

**PIPE HYDRAULIC DATA**  
 36" RCP CL III Sta. 11+30

DRAINAGE AREA	= 11.7	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 35	CFS
DESIGN HW ELEVATION	= 819.8	FT
100 YEAR DISCHARGE	= 41	CFS
100 YEAR HW ELEVATION	= 820.12	FT
OVERTOPPING FREQUENCY	= 500	YRS
OVERTOPPING DISCHARGE	= 130	CFS
OVERTOPPING ELEVATION	= 829.1	FT

**DITCH LEGEND**

LEFT DITCH	-----
MEDIAN DITCH	- - - - -
RIGHT DITCH	-----

FOR -Y13RPA- PLAN, SEE SHEETS: 5 & 26