

5/28/99

**WETHERILL ENGINEERING**  
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 Raleigh, N.C. 27606  
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TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN  
 CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

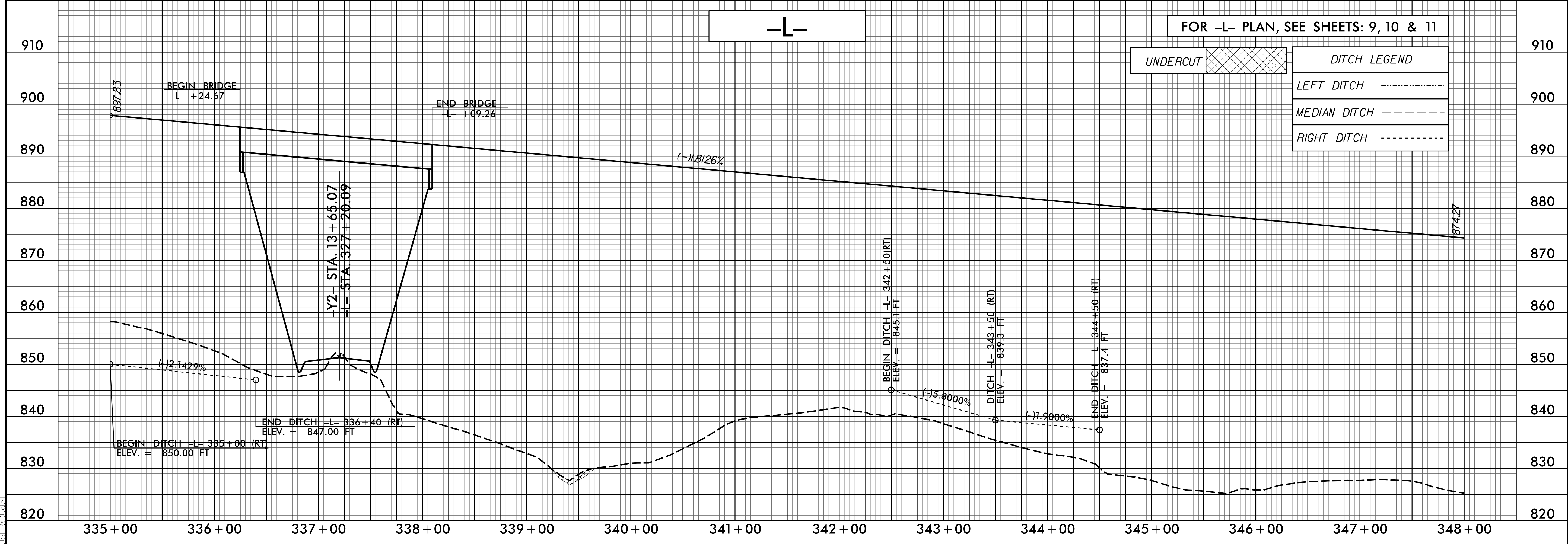
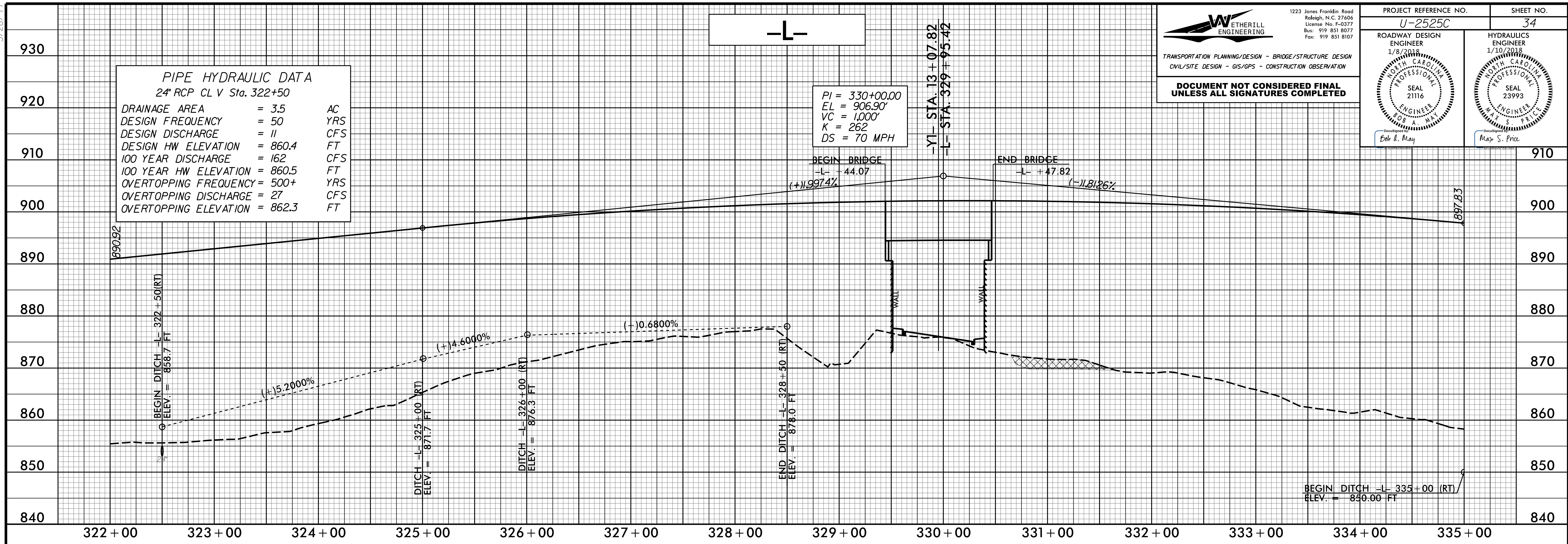
**DOCUMENT NOT CONSIDERED FINAL  
 UNLESS ALL SIGNATURES COMPLETED**

PROJECT REFERENCE NO. <b>U-2525C</b>	SHEET NO. <b>34</b>
ROADWAY DESIGN ENGINEER 1/8/2018 SEAL 21116 BOB A. MAY	HYDRAULICS ENGINEER 1/10/2018 SEAL 23993 MAX S. PRICE

**PIPE HYDRAULIC DATA**  
 24" RCP CL V Sta. 322+50

DRAINAGE AREA	= 3.5	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 11	CFS
DESIGN HW ELEVATION	= 860.4	FT
100 YEAR DISCHARGE	= 162	CFS
100 YEAR HW ELEVATION	= 860.5	FT
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING DISCHARGE	= 27	CFS
OVERTOPPING ELEVATION	= 862.3	FT

PI = 330+00.00  
 EL = 906.90'  
 VC = 1,000'  
 K = 262  
 DS = 70 MPH



FOR -L- PLAN, SEE SHEETS: 9, 10 & 11

**UNDERCUT** [Symbol]

**DITCH LEGEND**

- LEFT DITCH [Symbol]
- MEDIAN DITCH [Symbol]
- RIGHT DITCH [Symbol]

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