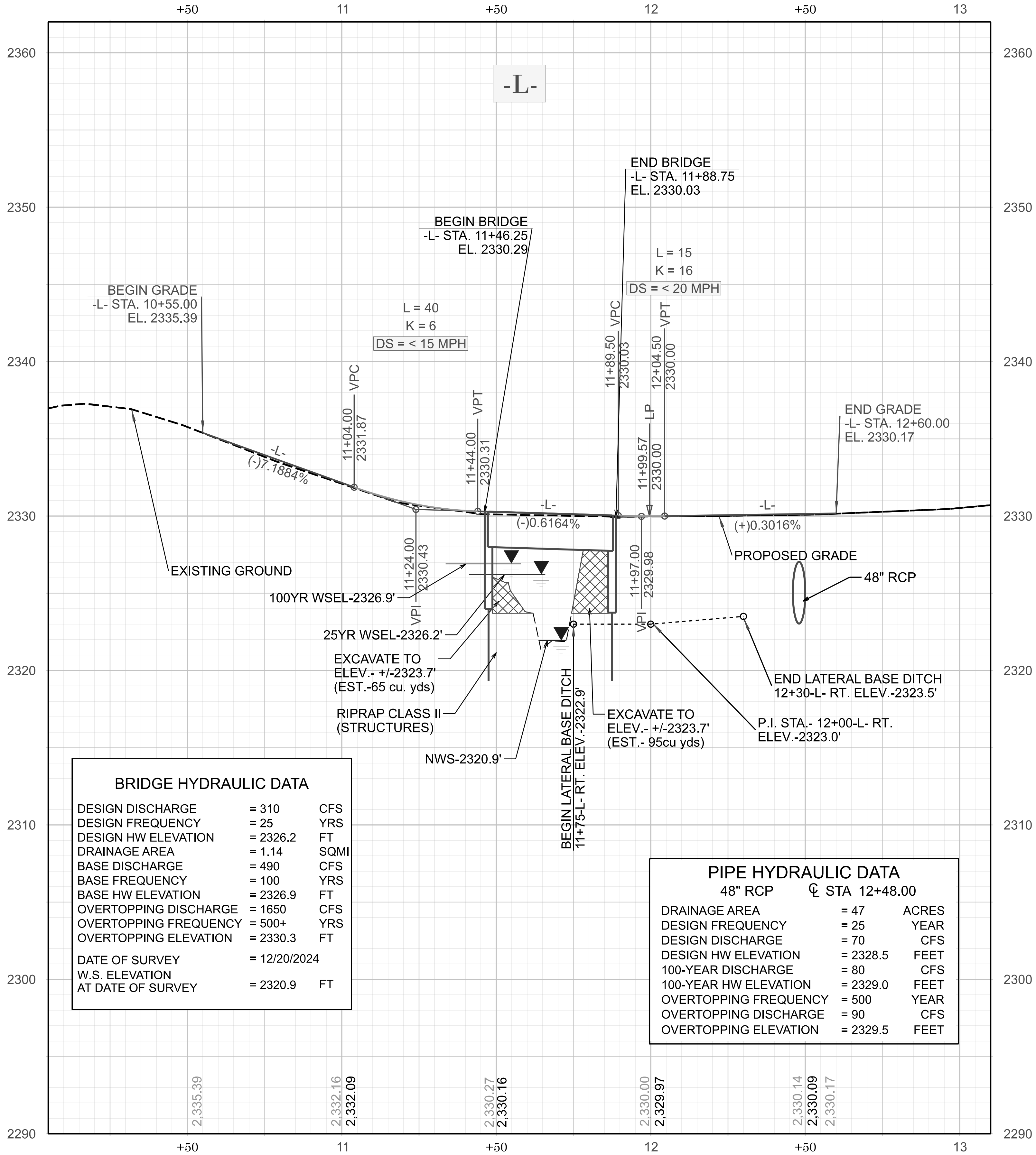


11/14/23



BRIDGE HYDRAULIC DATA			
DESIGN DISCHARGE	= 310	CFS	
DESIGN FREQUENCY	= 25	YRS	
DESIGN HW ELEVATION	= 2326.2	FT	
DRAINAGE AREA	= 1.14	SQMI	
BASE DISCHARGE	= 490	CFS	
BASE FREQUENCY	= 100	YRS	
BASE HW ELEVATION	= 2326.9	FT	
OVERTOPPING DISCHARGE	= 1650	CFS	
OVERTOPPING FREQUENCY	= 500+	YRS	
OVERTOPPING ELEVATION	= 2330.3	FT	
DATE OF SURVEY	= 12/20/2024		
W.S. ELEVATION			
AT DATE OF SURVEY	= 2320.9	FT	

PIPE HYDRAULIC DATA			
48" RCP		CL STA 12+48.00	
DRAINAGE AREA	= 47	ACRES	
DESIGN FREQUENCY	= 25	YEAR	
DESIGN DISCHARGE	= 70	CFS	
DESIGN HW ELEVATION	= 2328.5	FEET	
100-YEAR DISCHARGE	= 80	CFS	
100-YEAR HW ELEVATION	= 2329.0	FEET	
OVERTOPPING FREQUENCY	= 500	YEAR	
OVERTOPPING DISCHARGE	= 90	CFS	
OVERTOPPING ELEVATION	= 2329.5	FEET	

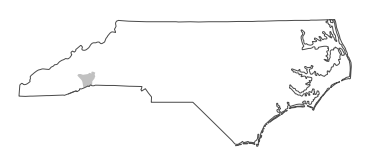
POINT	NORTH	EAST	ELEVATION	DESCRIPTION
BM 1	630372.2186	1010500.5028	2339.05	RR SPIKE IN 24" DBL TRUNK POPLAR

FOR -L- PLAN, SEE SHEET 4

DF18314.2045324

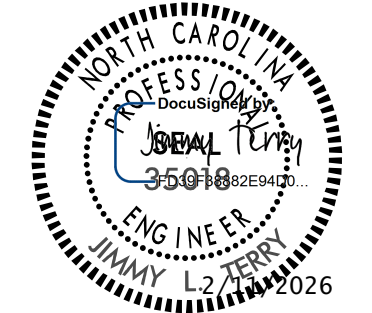
3RD1 05

NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION
HENDERSON COUNTY



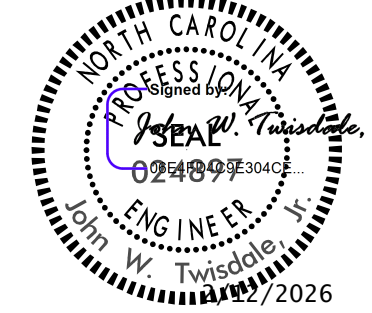
ROADWAY DESIGN UNIT

ROADWAY DESIGN
ENGINEER



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

HYDRAULICS
ENGINEER



DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PREPARED BY



REVISIONS