

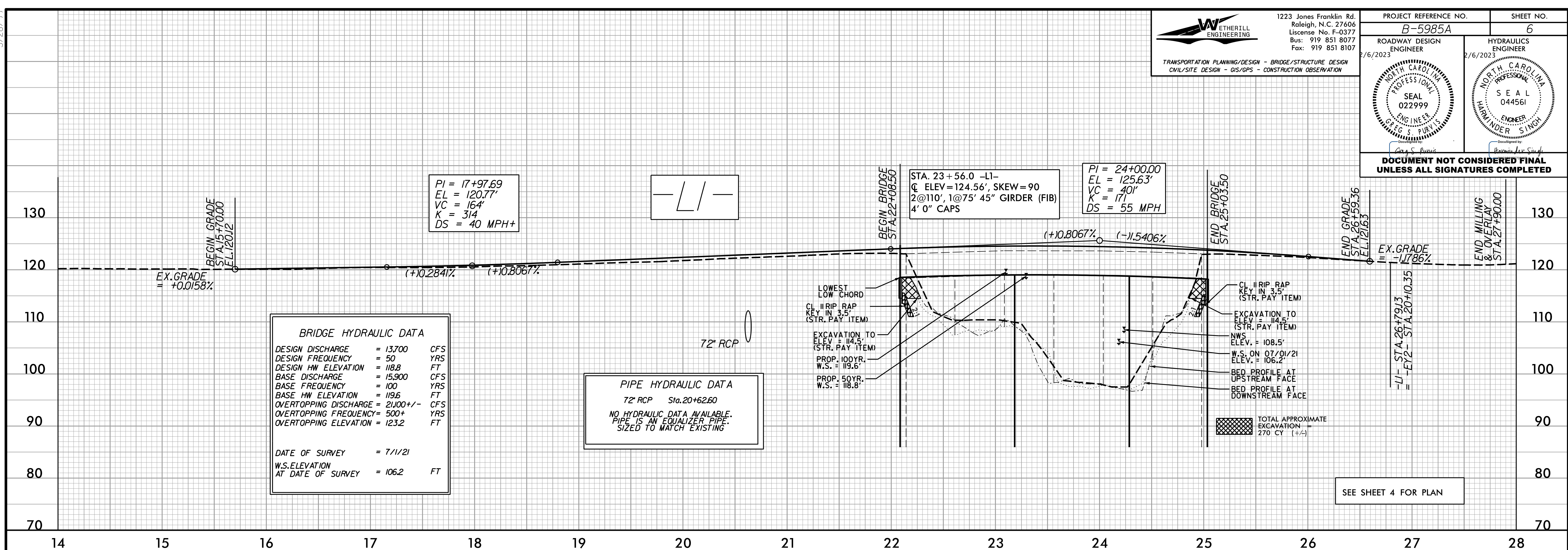
5/28/2023

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

PROJECT REFERENCE NO. B-5985A	SHEET NO. 6
ROADWAY DESIGN ENGINEER 2/6/2023	HYDRAULICS ENGINEER 2/6/2023

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 13,700	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 118.8	FT
BASE DISCHARGE	= 15,900	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 119.6	FT
OVERTOPPING DISCHARGE	= 21,000 +/-	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 123.2	FT

DATE OF SURVEY = 7/1/21
 W.S. ELEVATION AT DATE OF SURVEY = 106.2 FT

PIPE HYDRAULIC DATA

72" RCP	Sta. 20+62.60
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NO HYDRAULIC DATA AVAILABLE.
 PIPE IS AN EQUALIZER PIPE.
 SIZED TO MATCH EXISTING

SEE SHEET 4 FOR PLAN