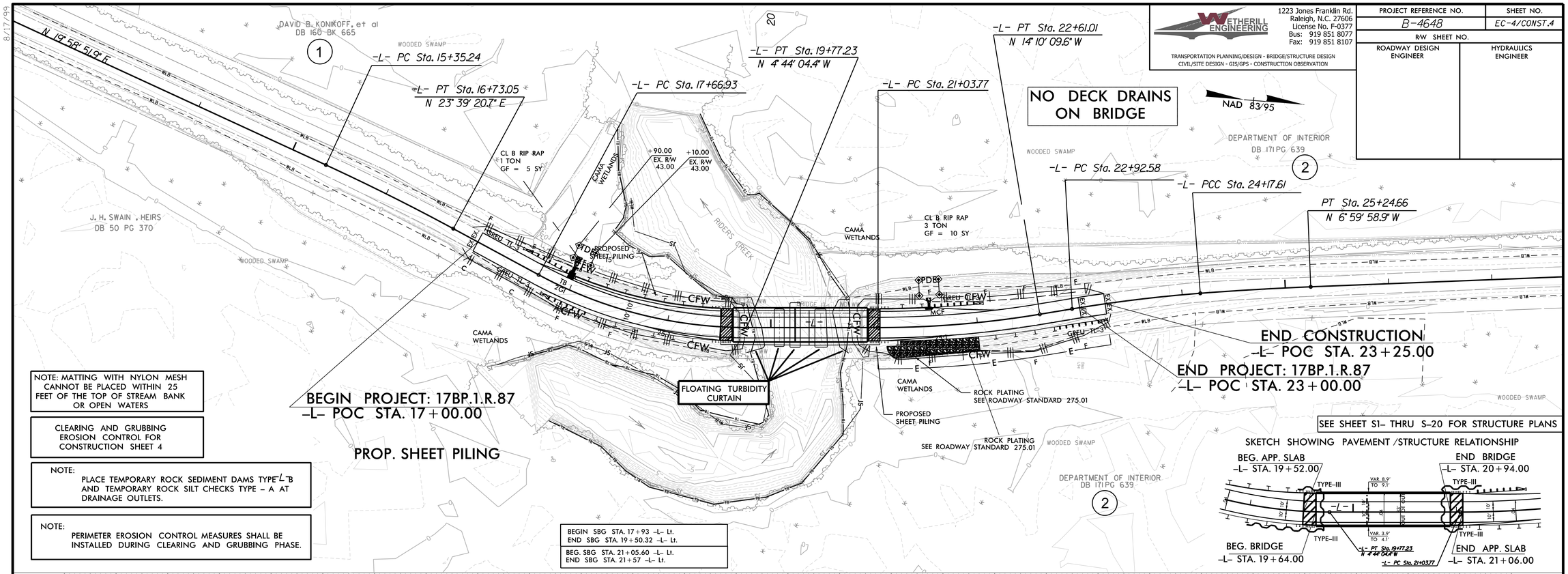
WETHERILL ENGINEERING
1223 Jones Franklin Rd.
Raleigh, N.C. 27606
License No. F-0377
Bus: 919 851 8077
Fax: 919 851 8107
TRANSPORTATION PLANNING/DESIGN - BRIDGE/STRUCTURE DESIGN
CIVIL/SITE DESIGN - GIS/GPS - CONSTRUCTION OBSERVATION

PROJECT REFERENCE NO.	SHEET NO.
B-4648	EC-4/CONST.4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



NOTE: MATTING WITH NYLON MESH CANNOT BE PLACED WITHIN 25 FEET OF THE TOP OF STREAM BANK OR OPEN WATERS

CLEARING AND GRUBBING EROSION CONTROL FOR CONSTRUCTION SHEET 4

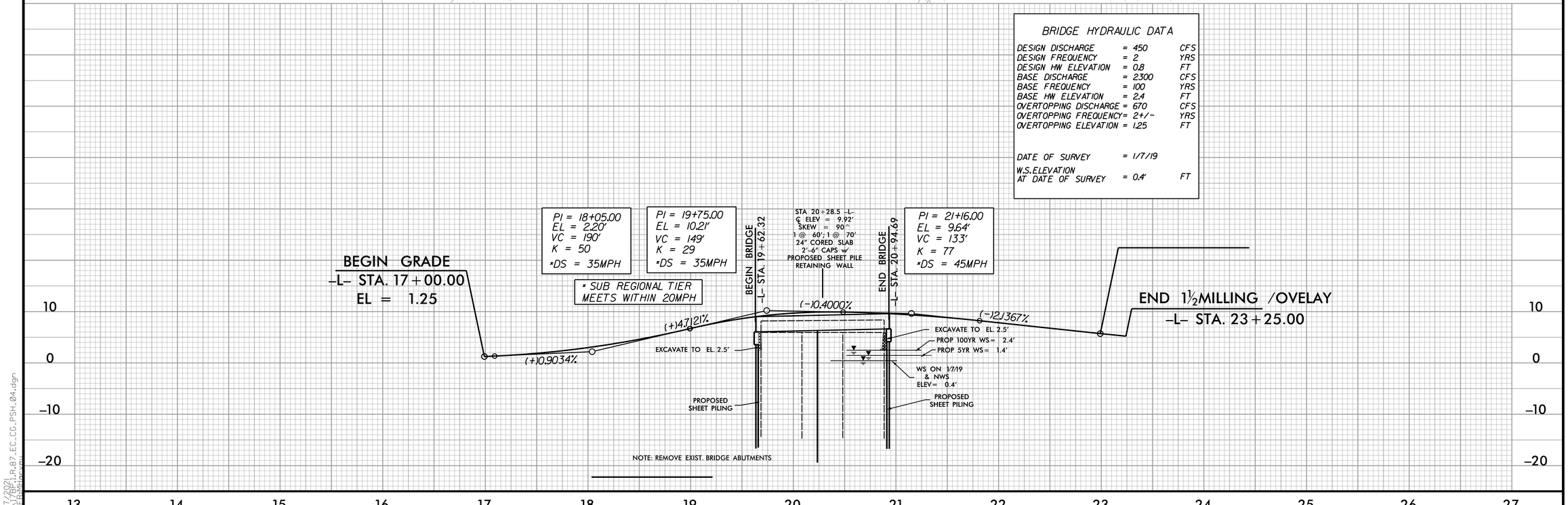
NOTE:
PLACE TEMPORARY ROCK SEDIMENT DAMS TYPE L B AND TEMPORARY ROCK SILT CHECKS TYPE - A AT DRAINAGE OUTLETS.

NOTE:
PERIMETER EROSION CONTROL MEASURES SHALL BE INSTALLED DURING CLEARING AND GRUBBING PHASE.

BEGIN SBG STA. 17+93 -L- Lt.	END SBG STA. 19+50.32 -L- Lt.
BEG. SBG STA. 21+05.60 -L- Lt.	END SBG STA. 21+57 -L- Lt.

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 450	CFS
DESIGN FREQUENCY	= 2	YRS
DESIGN HW ELEVATION	= 0.8	FT
BASE DISCHARGE	= 2300	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 2.4	FT
OVERTOPPING DISCHARGE	= 670	CFS
OVERTOPPING FREQUENCY	= 2+/-	YRS
OVERTOPPING ELEVATION	= 1.25	FT
DATE OF SURVEY	= 1/7/19	
W.S.ELEVATION AT DATE OF SURVEY	= 0.4'	FT



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