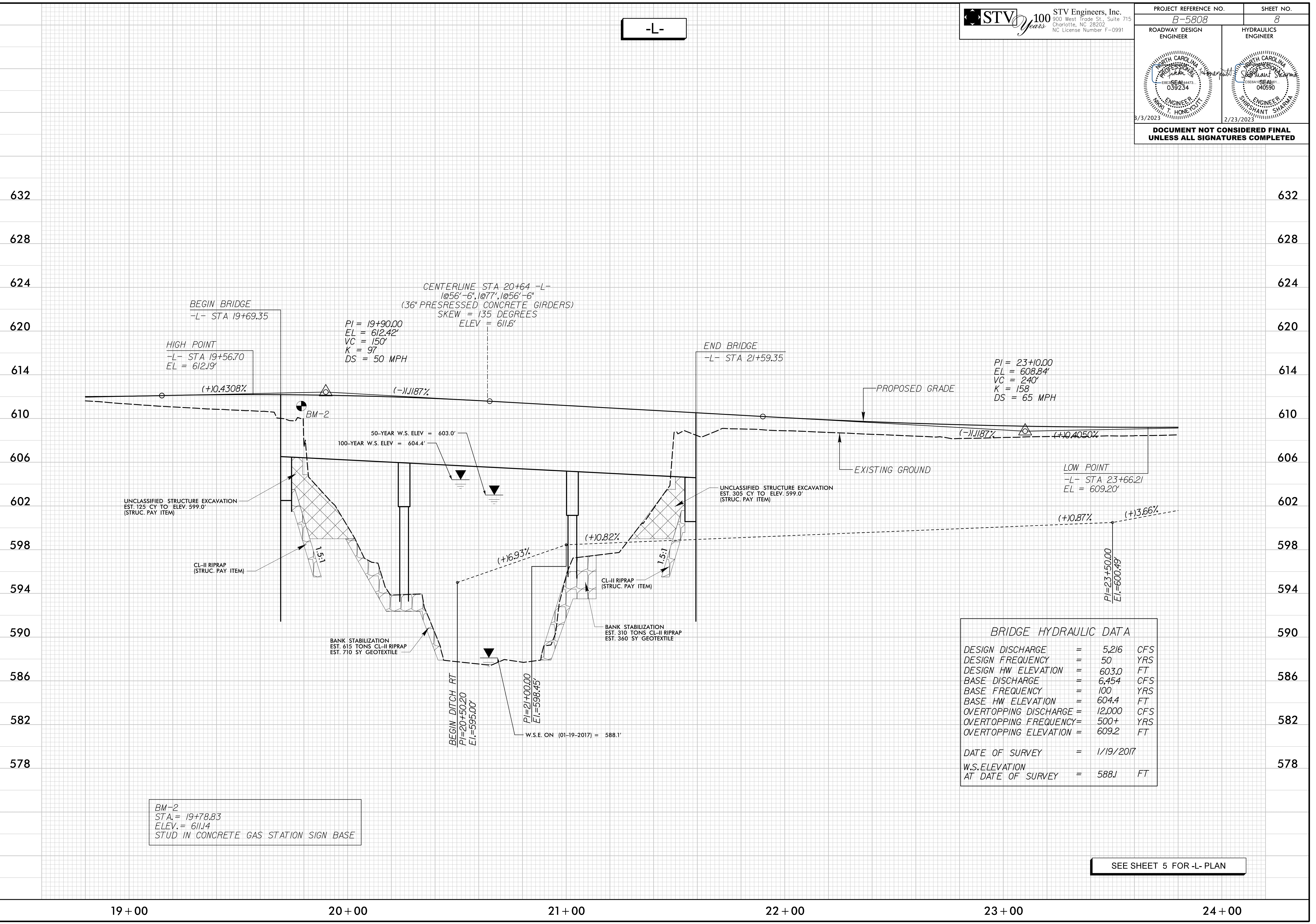


-L-

STV 100 Years
 STV Engineers, Inc.
 300 West Trade St., Suite 715
 Charlotte, NC 28202
 NC License Number F-0991

PROJECT REFERENCE NO. <i>B-5808</i>		SHEET NO. <i>8</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		



BRIDGE HYDRAULIC DATA		
DESIGN DISCHARGE	=	5,216 CFS
DESIGN FREQUENCY	=	50 YRS
DESIGN HW ELEVATION	=	603.0 FT
BASE DISCHARGE	=	6,454 CFS
BASE FREQUENCY	=	100 YRS
BASE HW ELEVATION	=	604.4 FT
OVERTOPPING DISCHARGE	=	12,000 CFS
OVERTOPPING FREQUENCY	=	500+ YRS
OVERTOPPING ELEVATION	=	609.2 FT
DATE OF SURVEY	=	1/19/2017
W.S. ELEVATION AT DATE OF SURVEY	=	588.1 FT

BM-2
 STA. = 19+78.83
 ELEV. = 611.4
 STUD IN CONCRETE GAS STATION SIGN BASE

SEE SHEET 5 FOR -L- PLAN