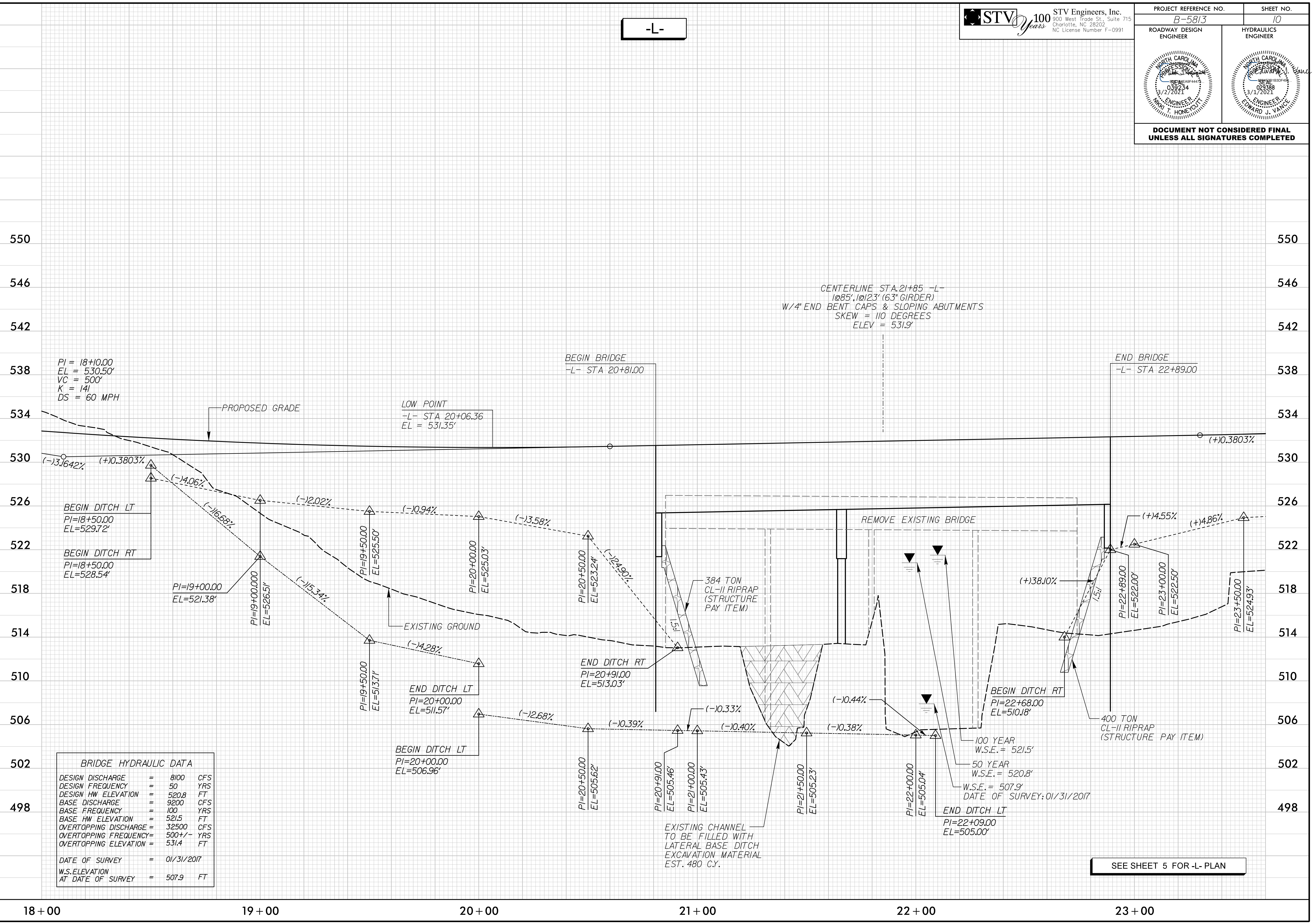


5/14/99

-L-

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

PROJECT REFERENCE NO. B-5813	SHEET NO. 10
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
<b>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</b>	



BRIDGE HYDRAULIC DATA	
DESIGN DISCHARGE	= 8100 CFS
DESIGN FREQUENCY	= 50 YRS
DESIGN HW ELEVATION	= 520.8 FT
BASE DISCHARGE	= 9200 CFS
BASE FREQUENCY	= 100 YRS
BASE HW ELEVATION	= 521.5 FT
OVERTOPPING DISCHARGE	= 32500 CFS
OVERTOPPING FREQUENCY	= 500+/- YRS
OVERTOPPING ELEVATION	= 531.4 FT
DATE OF SURVEY	= 01/31/2017
W.S. ELEVATION AT DATE OF SURVEY	= 507.9 FT

SEE SHEET 5 FOR -L- PLAN

3/1/2021  
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