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5/14/99

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

PROJECT REFERENCE NO.	SHEET NO.
B-5810	10

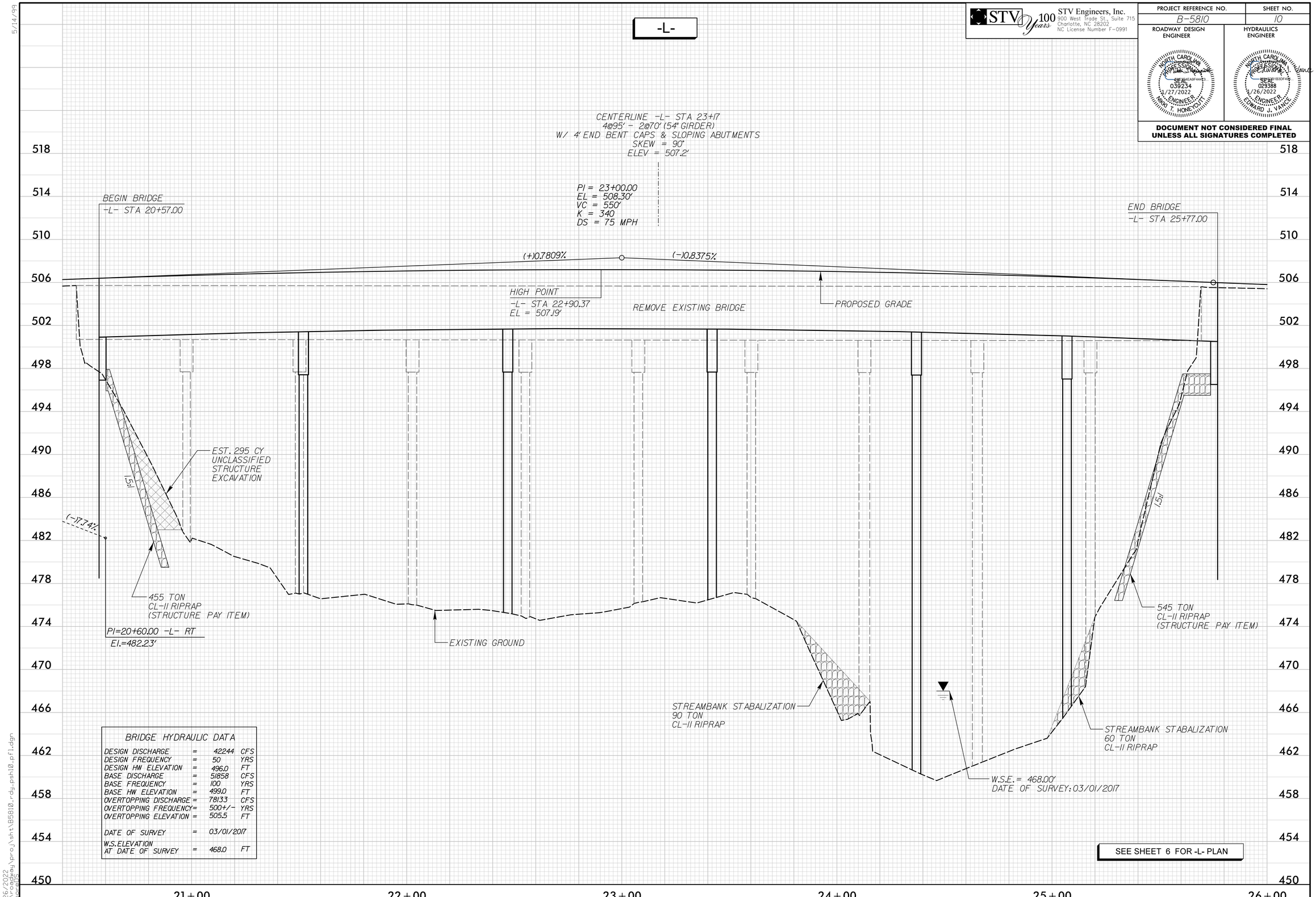
ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 039234 ENGINEER NIKKI T. HONEYCUTT 1/27/2022

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 029388 ENGINEER EDWARD J. VANCE 1/26/2022

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	42244	CFS
DESIGN FREQUENCY	=	50	YRS
DESIGN HW ELEVATION	=	496.0	FT
BASE DISCHARGE	=	51858	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	499.0	FT
OVERTOPPING DISCHARGE	=	78133	CFS
OVERTOPPING FREQUENCY	=	500+/-	YRS
OVERTOPPING ELEVATION	=	505.5	FT
DATE OF SURVEY	=	03/01/2017	
W.S. ELEVATION AT DATE OF SURVEY	=	468.0	FT

1/26/2022
12:16:49
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