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5/14/99

-L-

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-5818	13

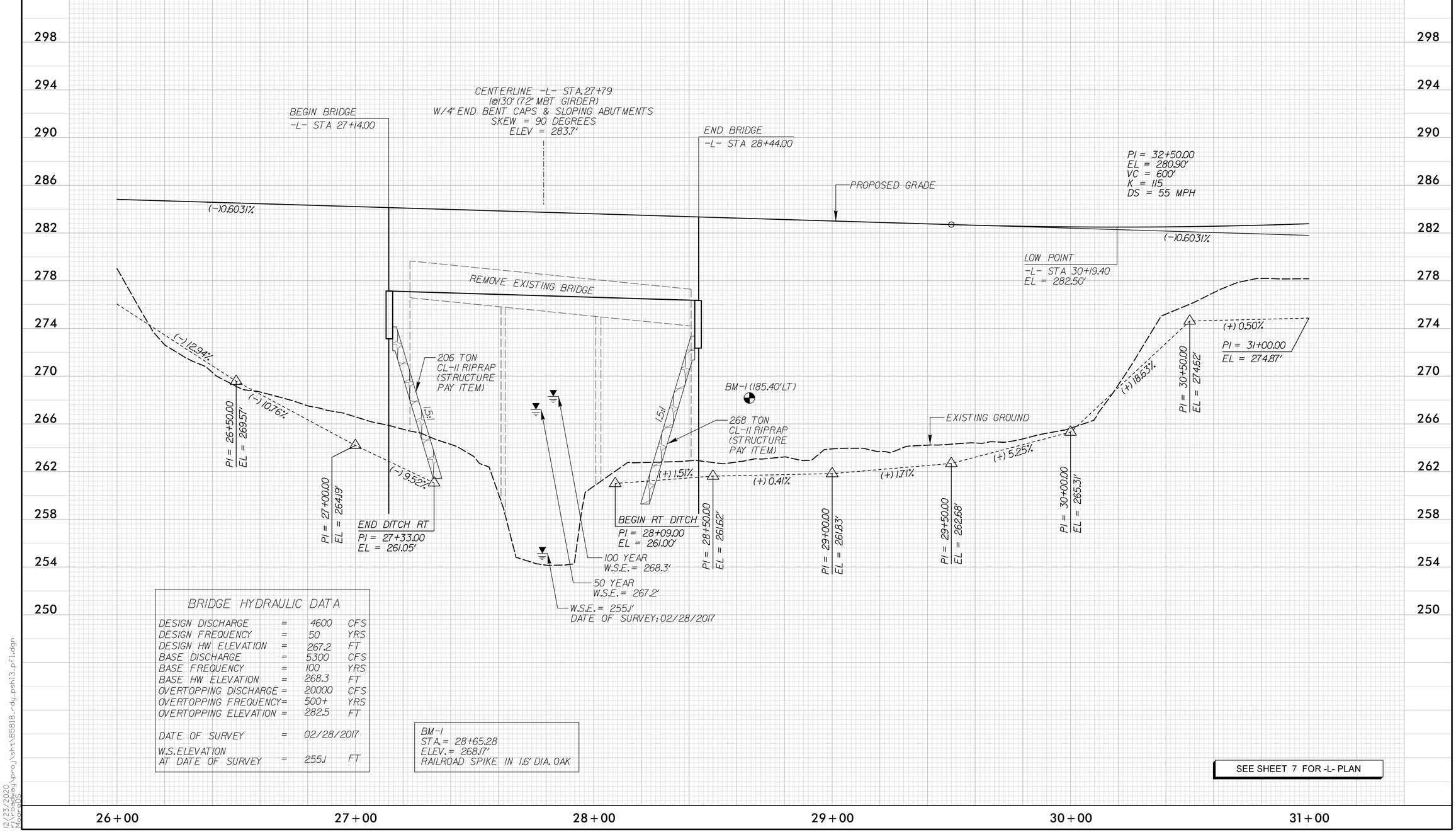
ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 039274 ENGINEER NIKKI T. HONECUTT 12/23/2020

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 029588 ENGINEER EDWARD J. VANCE 12/23/2020

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	4600	CFS
DESIGN FREQUENCY	=	50	YRS
DESIGN HW ELEVATION	=	267.2	FT
BASE DISCHARGE	=	5300	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	268.3	FT
OVERTOPPING DISCHARGE	=	20000	CFS
OVERTOPPING FREQUENCY	=	500+	YRS
OVERTOPPING ELEVATION	=	282.5	FT
DATE OF SURVEY	=	02/28/2017	
W.S. ELEVATION AT DATE OF SURVEY	=	255.1	FT

BM-1
STA. = 28+65.28
ELEV. = 268.17'
RAILROAD SPIKE IN 1.6' DIA. OAK

SEE SHEET 7 FOR -L- PLAN

12/23/2020
pw:\\cedag\proj\sht\B5818_rdg_psh13_pf1.dgn
MicroStation V8