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mhussey

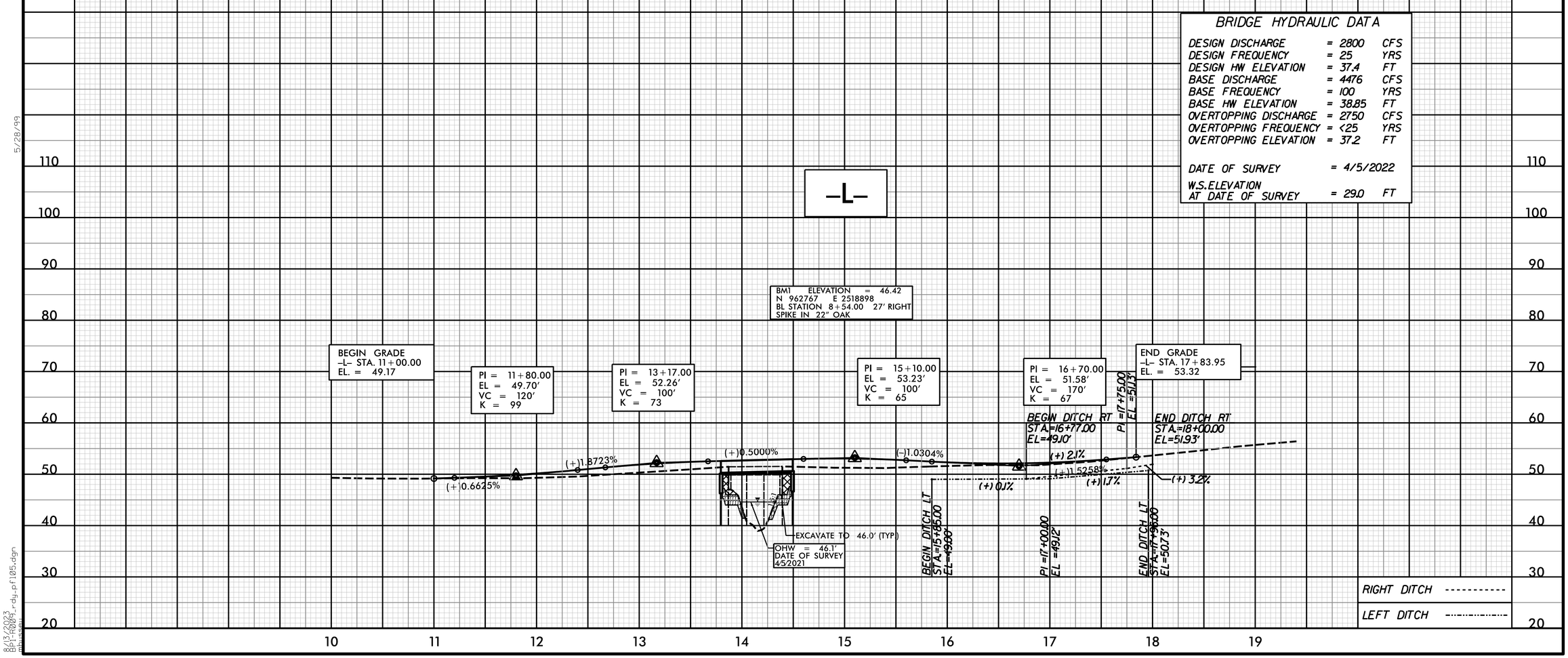
Prepared by

VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

PROJECT REFERENCE NO.	SHEET NO.
BPI-R009	5

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 037874 ENGINEER TIMOTHY D. GOINS
Timothy Goins
4B9B7B4A4B9B4AC...

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 033180 ENGINEER MIRANDA LOUISE SALZLER
Miranda Salzler
7CF95517C0F448E...

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	2800	CFS
DESIGN FREQUENCY	=	25	YRS
DESIGN HW ELEVATION	=	37.4	FT
BASE DISCHARGE	=	4476	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	38.85	FT
OVERTOPPING DISCHARGE	=	2750	CFS
OVERTOPPING FREQUENCY	=	<25	YRS
OVERTOPPING ELEVATION	=	37.2	FT
DATE OF SURVEY	=	4/5/2022	
W.S.ELEVATION AT DATE OF SURVEY	=	29.0	FT