PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.78	5

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 045230 ENGINEER MICHAEL S. BURNS

DocuSigned by: Michael S. Burns, Jr. 1/25/2019

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 043870 ENGINEER REID B. ROBOL

DocuSigned by: Reid B. Robol 1/29/2019

STEWART
Firm License No. C-1051
223 S. West St.
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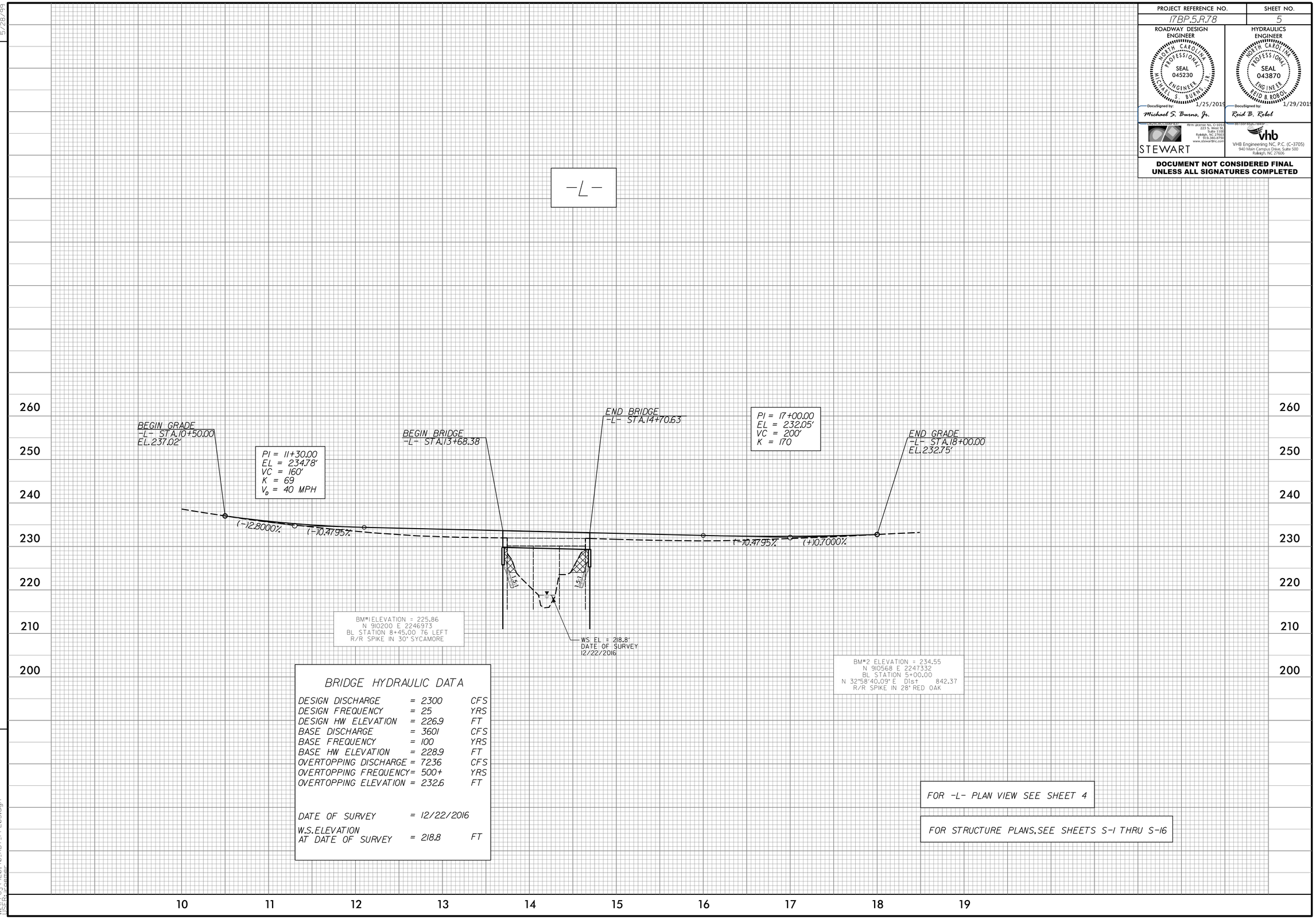
vhb
VHB Engineering NC, P.C. (C-3705)
940 Main Campus Drive, Suite 500
Raleigh, NC 27606

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

5/28/99



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 2300	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 226.9	FT
BASE DISCHARGE	= 3601	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 228.9	FT
OVERTOPPING DISCHARGE	= 7236	CFS
OVERTOPPING FREQUENCY	= 500+	YRS
OVERTOPPING ELEVATION	= 232.6	FT
DATE OF SURVEY	= 12/22/2016	
W.S.ELEVATION AT DATE OF SURVEY	= 218.8	FT

FOR -L- PLAN VIEW SEE SHEET 4

FOR STRUCTURE PLANS,SEE SHEETS S-1 THRU S-16

1/25/2019
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USER: Jcarter