DocuSign Envelope ID: 6106DE7C-83C5-46AE-9B04-B23800A4C5E3

PROJECT REFERENCE	SHEET NO.
17BP.5.R.70 – FRANKLIN 28	5

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 21102 ENGINEER TIMOTHY JORDAN	NORTH CAROLINA PROFESSIONAL SEAL 031986 ENGINEER JAMES R. RICE
DocuSigned by: 7/9/2021	DocuSigned by: 7/9/2021
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HDR ENGINEERING LICENSE NO. F-0116

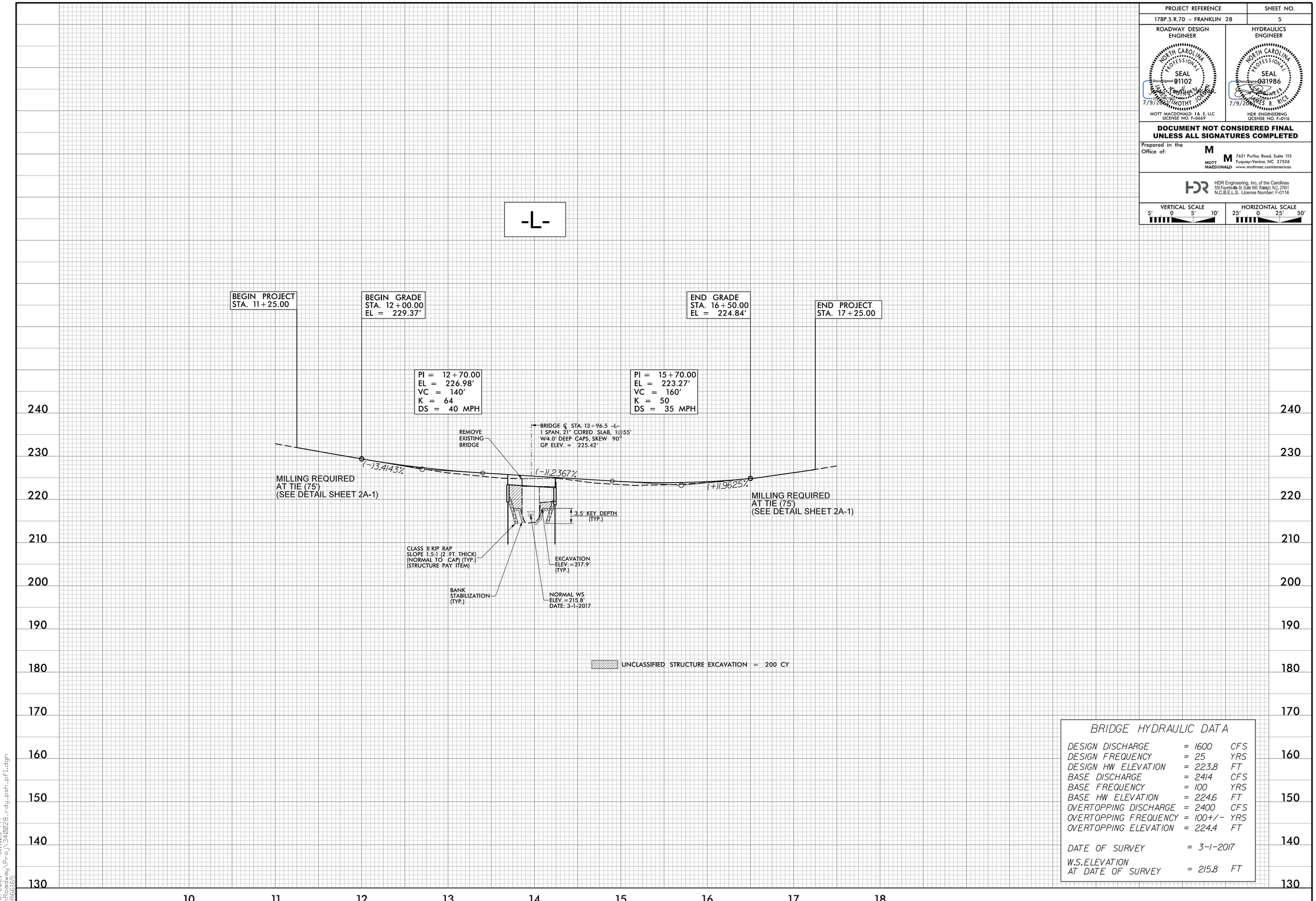
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

MOTT MACDONALD
7621 Purfoy Road, Suite 115
Fuquay-Varina, NC 27526
www.mottmac.com/americas

HDR Engineering, Inc. of the Carolinas
555 Fayetteville St. Suite 900 Raleigh, N.C. 27601
N.C.B.E.L.S. License Number: F-0116

VERTICAL SCALE 5′ 0 5′ 10′
HORIZONTAL SCALE 25′ 0 25′ 50′



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	=	1600	CFS
DESIGN FREQUENCY	=	25	YRS
DESIGN HW ELEVATION	=	223.8	FT
BASE DISCHARGE	=	2414	CFS
BASE FREQUENCY	=	100	YRS
BASE HW ELEVATION	=	224.6	FT
OVERTOPPING DISCHARGE	=	2400	CFS
OVERTOPPING FREQUENCY	=	100+/-	YRS
OVERTOPPING ELEVATION	=	224.4	FT
DATE OF SURVEY	=	3-1-2017	
W.S. ELEVATION AT DATE OF SURVEY	=	215.8	FT

7/8/2021 5:11:05 PM
R:\Roadway\Proj\3400028_rdy_psh_pfl.dgn
JOR6165