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PROJECT REFERENCE	SHEET NO.
DF16905.2091011 – VANCE 23	5

ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 21102 ENGINEER JOSHUA THOMAS HORTON	NORTH CAROLINA PROFESSIONAL SEAL 20147 ENGINEER FRANK R. FLEMING
DocuSigned by: Joshua Thomas Horton 9/6/2022	DocuSigned by: Frank R. Fleming 9/6/2022
MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	VHB ENGINEERING LICENSE NO. C-3705

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:

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940 Main Campus Drive, Suite 500
Raleigh, NC 27606

VERTICAL SCALE 5' 0 5' 10'

HORIZONTAL SCALE 25' 0 25' 50'

BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 1100	CFS
DESIGN FREQUENCY	= 25	YR
DESIGN HW ELEVATION	= 343.5	FT
BASE DISCHARGE	= 1600	CFS
BASE FREQUENCY	= 100	YR
BASE HW ELEVATION	= 344.3	FT
OVERTOPPING DISCHARGE	= 3000	CFS
OVERTOPPING FREQUENCY	= -500	YR
OVERTOPPING ELEVATION	= 347.1	FT
DATE OF SURVEY	= 10/07/2021	
W.S.ELEVATION AT DATE OF SURVEY	= 339.4	FT

FOR -L- PLAN SEE SHEET 4

6/30/2022 7:00:10 AM
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JDR66165