PROJECT REFERENCE NO.	SHEET NO.
17BP.5.R.77	5

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 045230 ENGINEER MICHAEL S. BURNS, JR.

DocuSigned by: Michael S. Burns, Jr. 7/6/2018

D426CBCC006E437...

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL SEAL 043870 ENGINEER REID B. ROBOL

DocuSigned by: Reid B. Robol 7/6/2018

7074ED6A9E200479...

STEWART

Firm License No. C-1051
223 S. West St.
Suite 1100
Raleigh, NC 27603
T: 919.380.8750
www.stewartinc.com

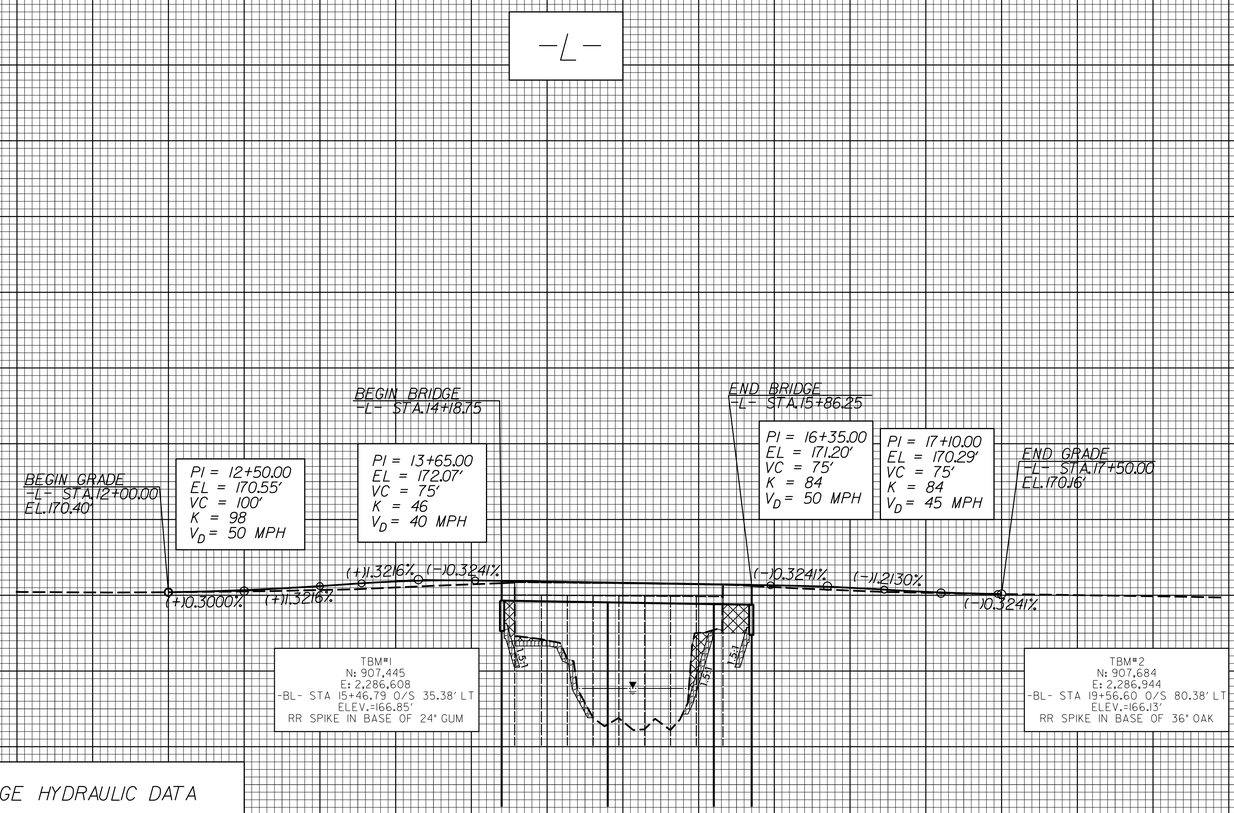
NC FIRM LICENSE No F-1148
1155 SE Cary Parkway, Suite 101
Cary, NC 27518
(919) 362-0002

ECOLOGICAL ENGINEERING

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

REVISIONS

5/28/99



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE	= 9700	CFS
DESIGN FREQUENCY	= 25	YR
DESIGN HW ELEVATION	= 169.8	FT
BASE DISCHARGE	= 15053	CFS
BASE FREQUENCY	= 100	YR
BASE HW ELEVATION	= 172.0	FT
OVERTOPPING DISCHARGE	= 8040	CFS
OVERTOPPING FREQUENCY	= 10+	YR
OVERTOPPING ELEVATION	= 169.4	FT
DATE OF SURVEY	= 6/27/2017	
W.S. ELEVATION AT DATE OF SURVEY	= 157.7	FT

FOR -L- PLAN VIEW SEE SHEET 4

FOR STRUCTURE PLANS, SEE SHEETS S-1 THRU S-23

7/24/2018
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USER: rjpeper