Docusign Envelope ID: 0D1FFB6B-517E-4E1D-A8B6-E577F9430D69

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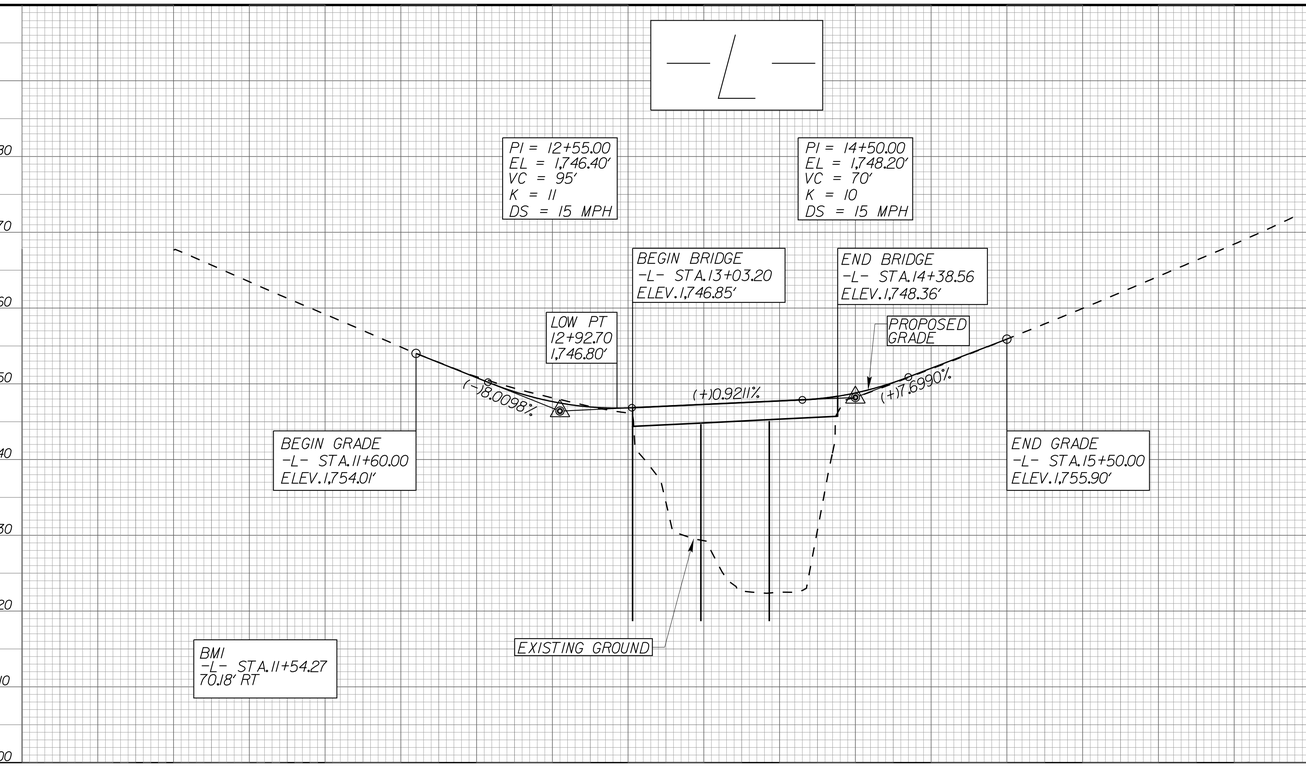

STRUCTURE HYDRAULIC DATA

DRAINAGE AREA	= 19.4	SQ MI
DESIGN DISCHARGE	= 2900	CFS
DESIGN FREQUENCY	= 25	YRS
DESIGN HW ELEVATION	= 1730.7	FT
BASE DISCHARGE	= 4200	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 1731.9	FT
OVERTOPPING DISCHARGE	= 17950	CFS
OVERTOPPING FREQUENCY	= 1000+	YRS
OVERTOPPING ELEVATION	= 1746.8	FT

PROJECT REFERENCE NO.	SHEET NO.
DF1831420453332	05

ROADWAY DESIGN ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 029033 DAVID B. TAYLOR
Digitally signed by DAVID B. TAYLOR
DN: C=US, E=DAVID.TAYLOR@RSANDH.COM, O=RS&H, CN=DAVID B. TAYLOR
4/13/2026

HYDRAULICS ENGINEER

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 049784 STEVEN R. VINSON
Digitally signed by STEVEN R. VINSON
DN: C=US, E=STEVEN.VINSON@RSANDH.COM, O=RS&H, CN=STEVEN R. VINSON
4/13/2026

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

RS&H
1520 SOUTH BOULEVARD, SUITE 200
CHARLOTTE, NC 28203
NC FIRM LICENSE No: F-0493

SEE SHEET 04 FOR PLAN

09-APR-2026 09:25
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