DocuSign Envelope ID: E371B9E3-A530-4B6C-A0A4-00EB819F7E57

5/14/99

PROJECT REFERENCE NO.	SHEET NO.
I-5987B	60

ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 22606 ENGINEER DAVID C. WALLER
DocuSigned by: David C. Waller
4/29/2022
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

HYDRAULICS ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 036821 ENGINEER BENJAMIN M. RIGGS
DocuSigned by: Benjamin M. Riggs
4/29/2022
MOTT MACDONALD I & E, LLC
LICENSE NO. F-0669

DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

Prepared in the Office of:
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7621 Parfay Rd., Suite 115
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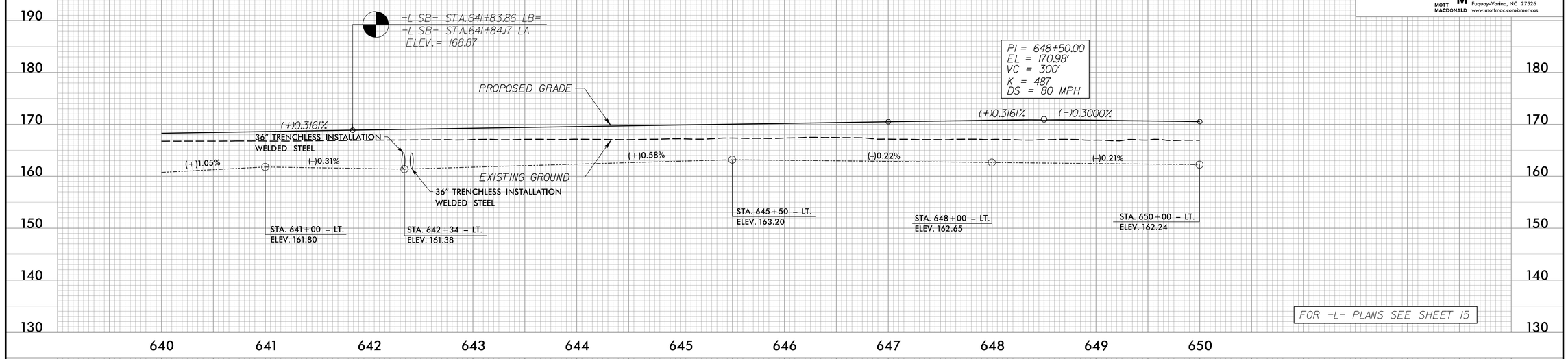
www.mottmac.com/americas

-L_SB-

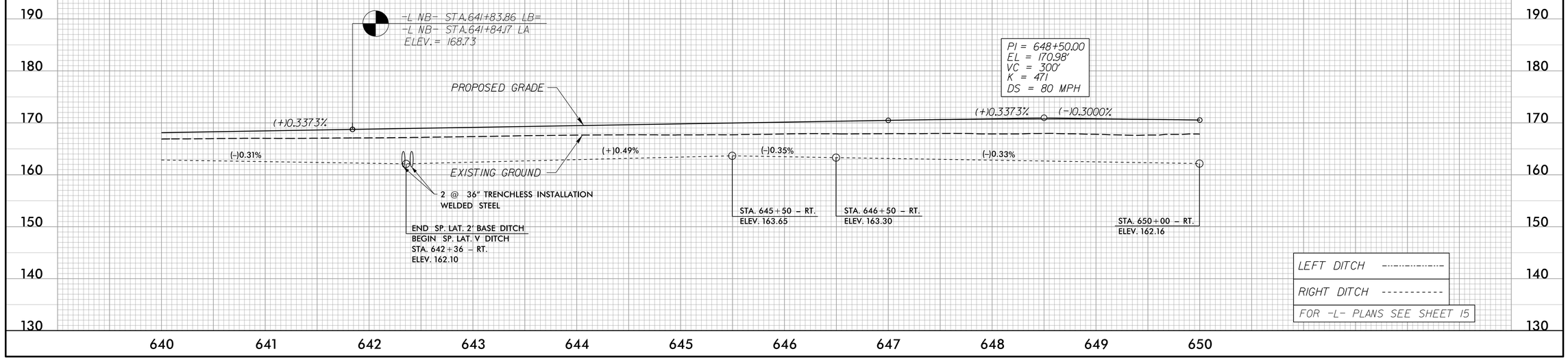


FOR -L- PLANS SEE SHEET 15

-L_NB-

PIPE HYDRAULIC DATA
2 @ 36" Trenchless Installation Welded Steel
Sta.642+37 -L-

DRAINAGE AREA	=	6.7	AC
DESIGN FREQUENCY	=	100	YRS
DESIGN DISCHARGE	=	28	CFS
DESIGN HW ELEVATION	=	164.0	FT
100 YEAR DISCHARGE	=	28	CFS
100 YEAR HW ELEVATION	=	164.0	FT
OVERTOPPING FREQUENCY	=	500+	YRS
OVERTOPPING DISCHARGE	=	84	CFS
OVERTOPPING ELEVATION	=	168.0	FT



LEFT DITCH
RIGHT DITCH

FOR -L- PLANS SEE SHEET 15

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