

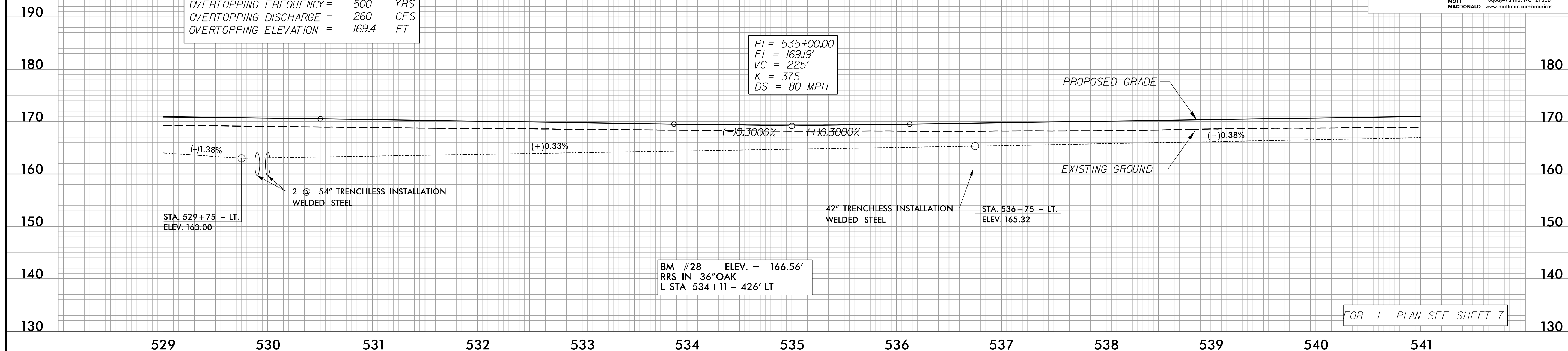
5/14/99

PROJECT REFERENCE NO. 1-5987B	SHEET NO. 51
ROADWAY DESIGN ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD I & E, LLC LICENSE NO. F-0669
<p><b>DOCUMENT NOT CONSIDERED FINAL</b> <b>UNLESS ALL SIGNATURES COMPLETED</b></p> <p>Prepared in the Office of: <b>M</b> MOTT MACDONALD I &amp; E, LLC 7621 Purfoy Rd., Suite 115 Fuquay-Varina, NC 27526 www.mottmcc.com/americas</p>	

**PIPE HYDRAULIC DATA**  
2 @ 54" Trenchless Installation Welded Steel  
Sta. 530+00 -L-

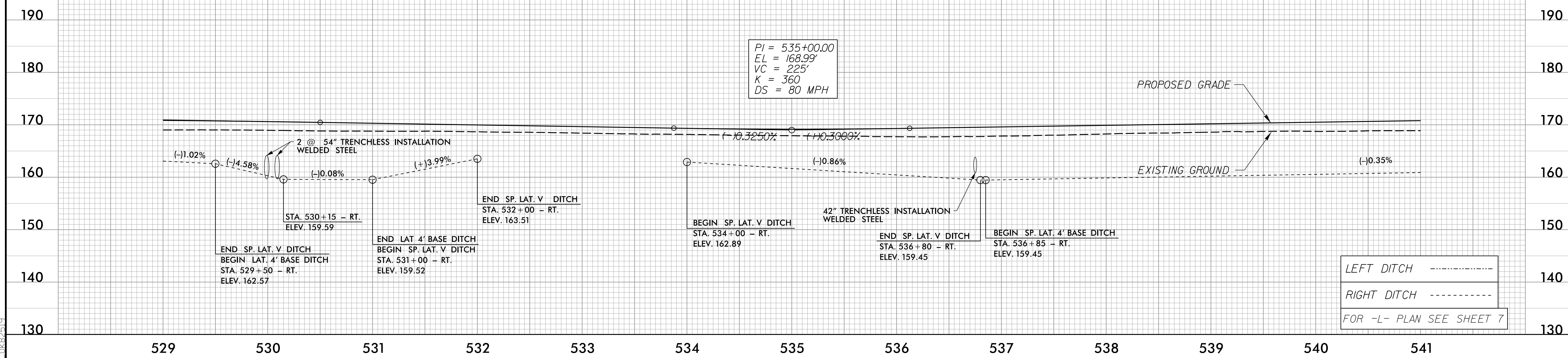
DRAINAGE AREA	=	199.8	AC
DESIGN FREQUENCY	=	100	YRS
DESIGN DISCHARGE	=	189	CFS
DESIGN HW ELEVATION	=	165.2	FT
100 YEAR DISCHARGE	=	189	CFS
100 YEAR HW ELEVATION	=	165.2	FT
OVERTOPPING FREQUENCY	=	500	YRS
OVERTOPPING DISCHARGE	=	260	CFS
OVERTOPPING ELEVATION	=	169.4	FT

**-L\_SB-**



FOR -L- PLAN SEE SHEET 7

**-L\_NB-**



LEFT DITCH -----

RIGHT DITCH -----

FOR -L- PLAN SEE SHEET 7

4/18/2002  
F:\Projects\5987B\Drawings\5987B\_rdy\_psh\_51.plt.dgn  
C:\Users\j.../...