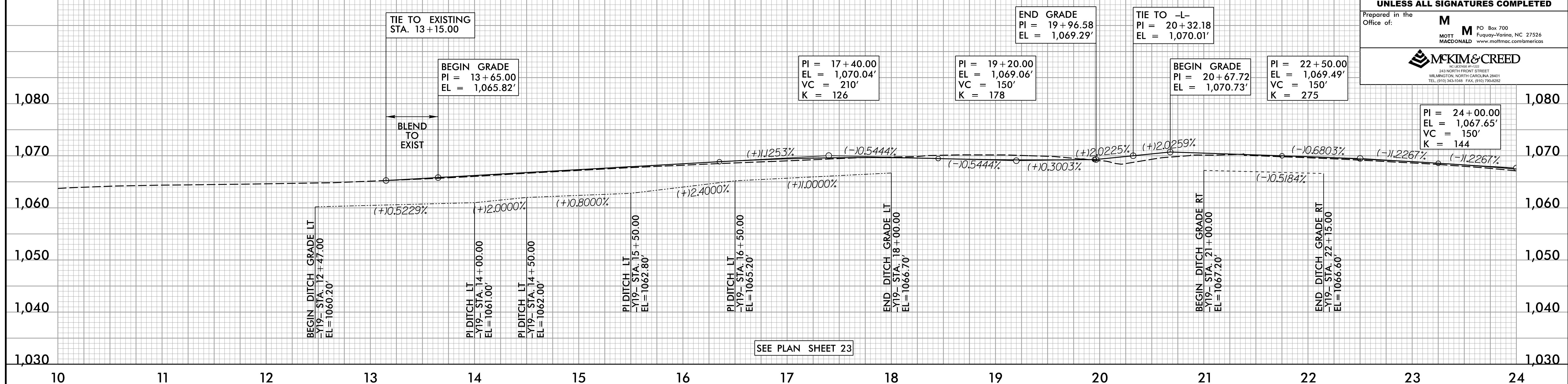


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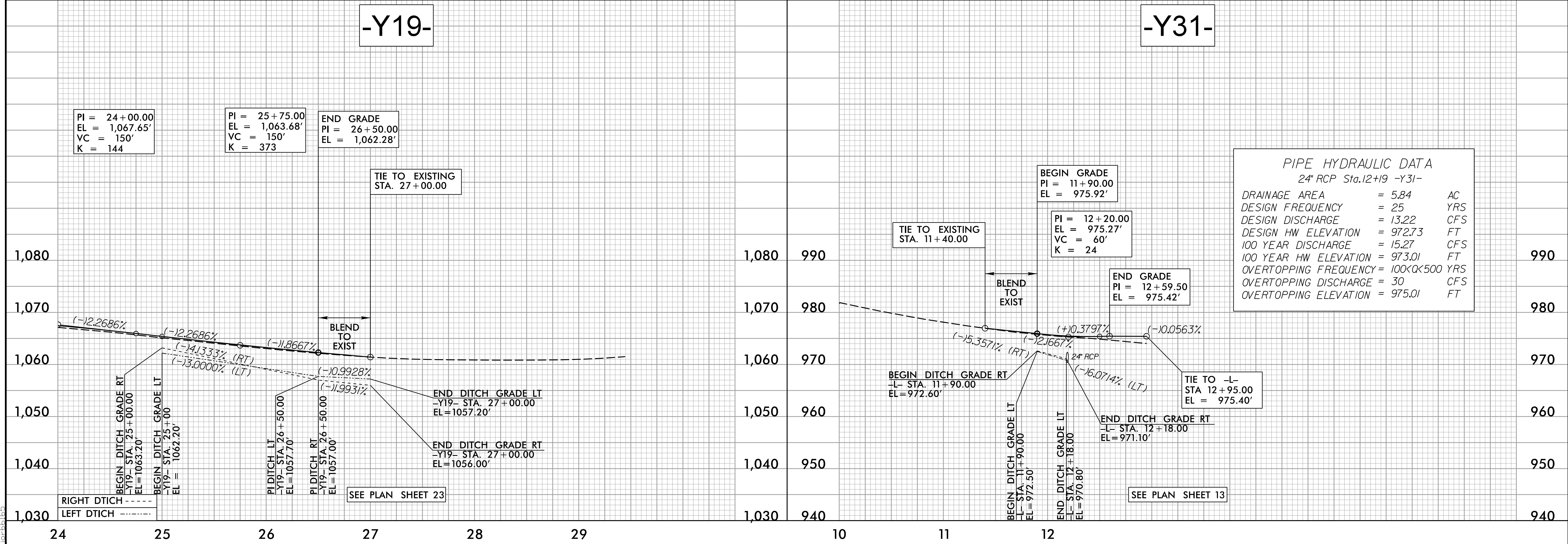
PROJECT REFERENCE NO. R-3100A	SHEET NO. 34
ROADWAY DESIGN ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. P-0669	HYDRAULICS ENGINEER MOTT MACDONALD & E. LLC LICENSE NO. P-0669
<b>DOCUMENT NOT CONSIDERED FINAL</b> <b>UNLESS ALL SIGNATURES COMPLETED</b>	
Prepared in the Office of: <b>M</b> MOTT MACDONALD & E. LLC PO Box 700 Fuquay-Varina, NC 27526 www.mottmac.com/americas	



SEE PLAN SHEET 23

# -Y19-

# -Y31-



**PIPE HYDRAULIC DATA**  
24" RCP Sta.12+19 -Y31-

DRAINAGE AREA	= 5.84	AC
DESIGN FREQUENCY	= 25	YRS
DESIGN DISCHARGE	= 13.22	CFS
DESIGN HW ELEVATION	= 972.73	FT
100 YEAR DISCHARGE	= 15.27	CFS
100 YEAR HW ELEVATION	= 973.01	FT
OVERTOPPING FREQUENCY	= 100<Q<500	YRS
OVERTOPPING DISCHARGE	= 30	CFS
OVERTOPPING ELEVATION	= 975.01	FT

SEE PLAN SHEET 23

SEE PLAN SHEET 13

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10/6/99