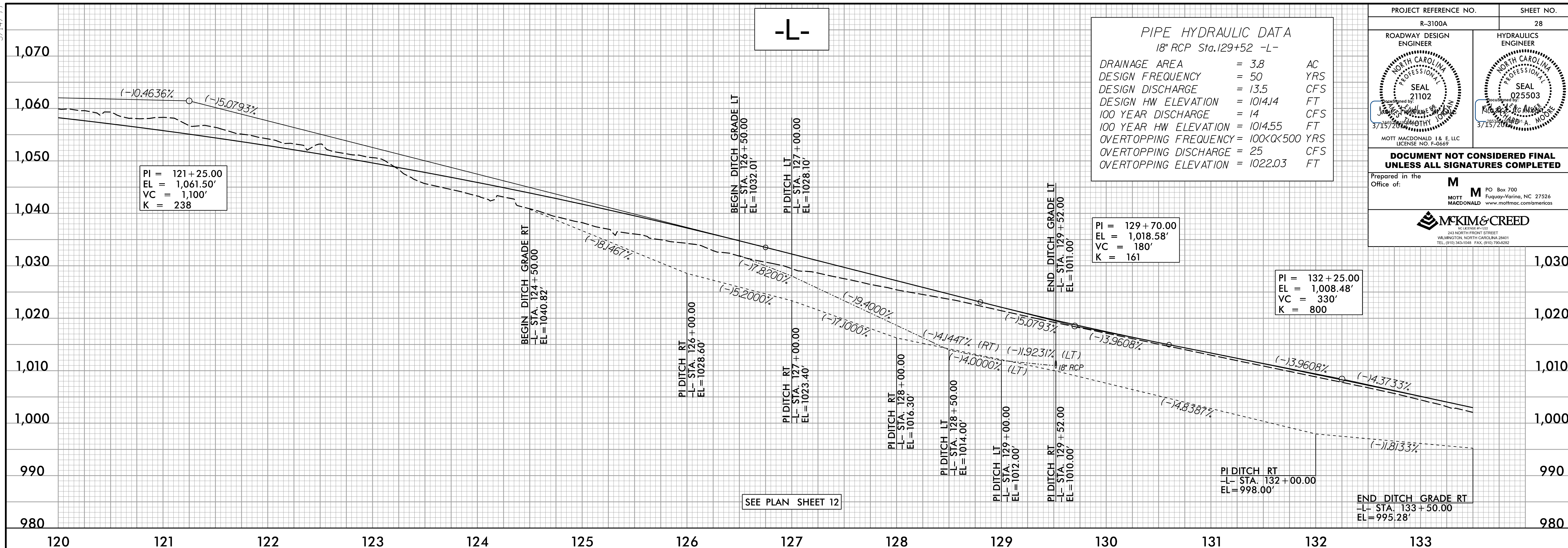


5/14/99

PROJECT REFERENCE NO. R-3100A	SHEET NO. 28
ROADWAY DESIGN ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669	HYDRAULICS ENGINEER MOTT MACDONALD 1 & E, LLC LICENSE NO. F-0669
<p>DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED</p> <p>Prepared in the Office of:</p> <p>M MOTT MACDONALD 1 & E, LLC PO Box 700 Furqoy-Yarino, NC 27526 www.mottmac.com/americas</p>	
<p>MCKIM & CREED</p> <p>REGISTERED PROFESSIONAL ENGINEERS 343 NORTH FRONT STREET WILMINGTON, NORTH CAROLINA 28401 TEL: (910) 343-5448 FAX: (910) 343-6822</p>	

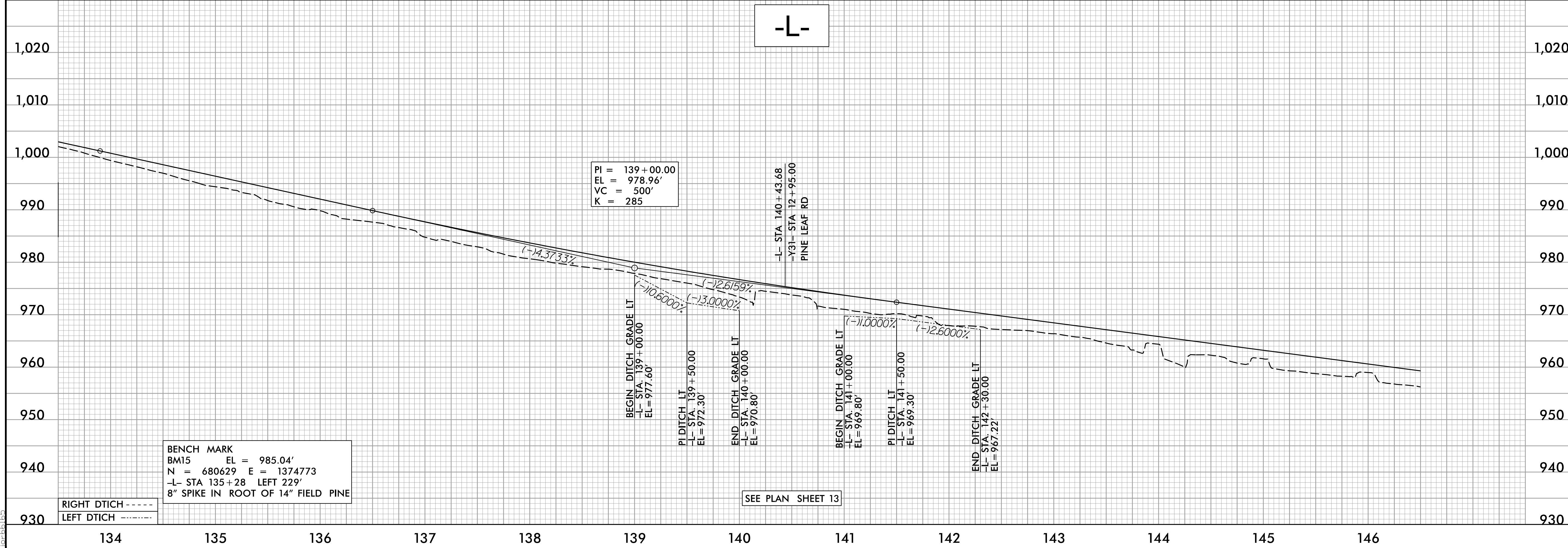
PIPE HYDRAULIC DATA
18" RCP Sta. 129+52 -L-

DRAINAGE AREA	= 3.8	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 13.5	CFS
DESIGN HW ELEVATION	= 1014.14	FT
100 YEAR DISCHARGE	= 14	CFS
100 YEAR HW ELEVATION	= 1014.55	FT
OVERTOPPING FREQUENCY	= 100<Q<500	YRS
OVERTOPPING DISCHARGE	= 25	CFS
OVERTOPPING ELEVATION	= 1022.03	FT



SEE PLAN SHEET 12

5/19/97 PM
E:\Projects\99\9903100A_rdu_psh24-36.dgn
10:56:16



SEE PLAN SHEET 13