
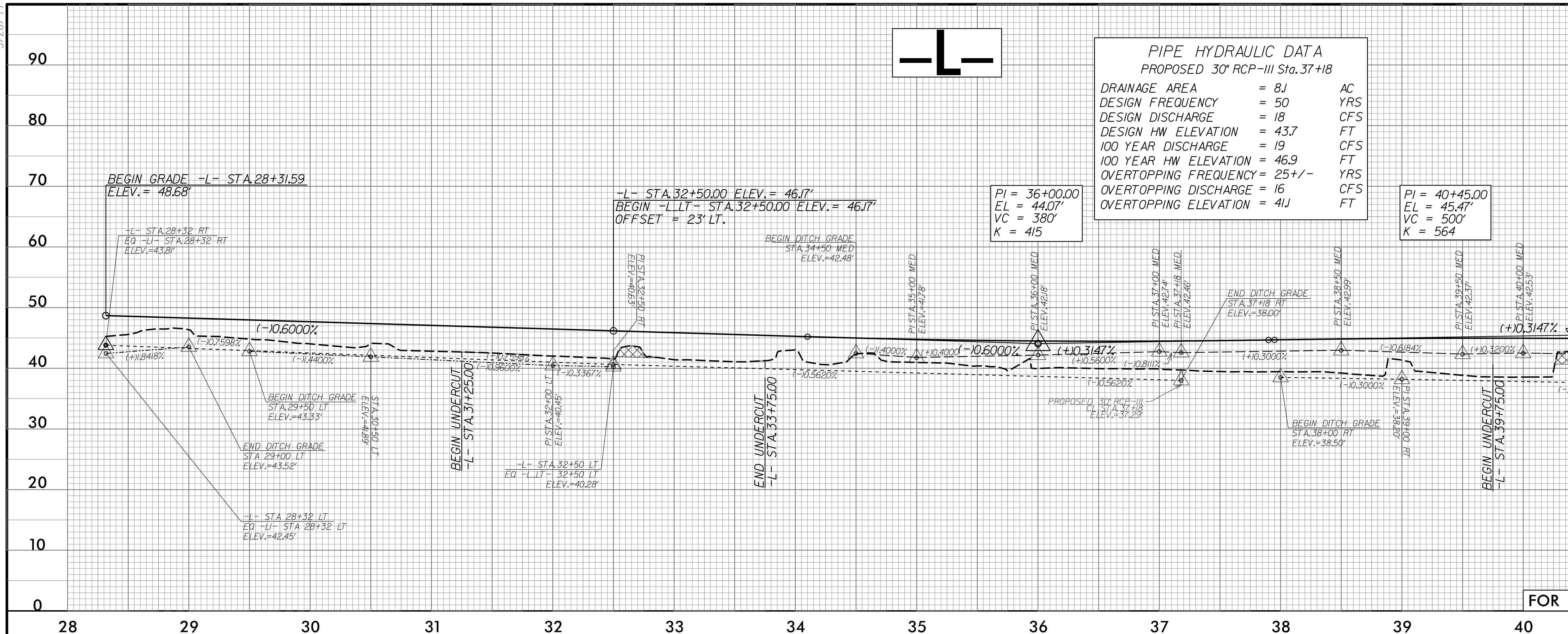


5/28/99

PROJECT REFERENCE NO. R-2561CA	SHEET NO. 16
ROADWAY DESIGN ENGINEER DAVID W. GARDNER, JR. SEAL 033871 NORTH CAROLINA PROFESSIONAL ENGINEERS	HYDRAULICS ENGINEER ANDREW M. HOWELL SEAL 035621 NORTH CAROLINA PROFESSIONAL ENGINEERS
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	
 SEPI Engineering & Construction, Inc.	
1 Glenwood Avenue Raleigh, NC 27603 Tel: 919.789.9977 Fax: 919.789.9591 License: C-2197	



PIPE HYDRAULIC DATA
 PROPOSED 30" RCP-III Sta. 37+18

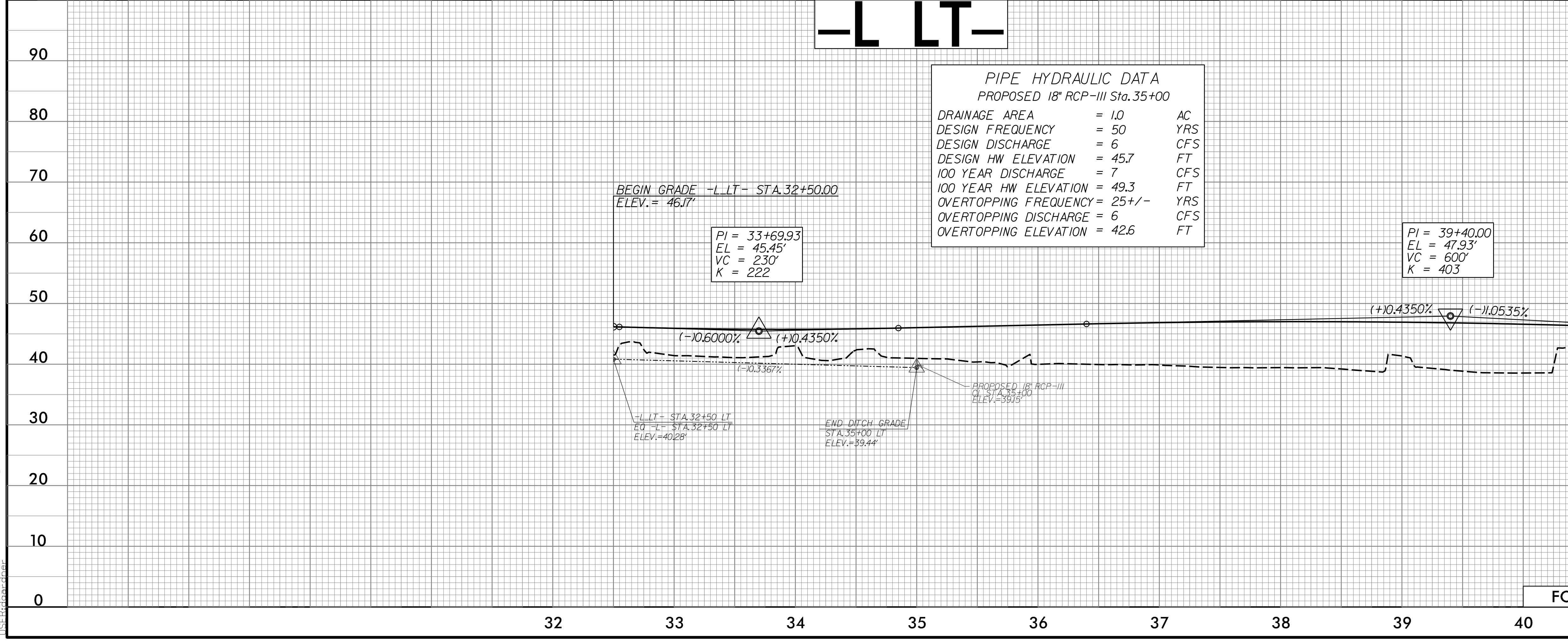
DRAINAGE AREA	= 8J	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 18	CFS
DESIGN HW ELEVATION	= 43.7	FT
100 YEAR DISCHARGE	= 19	CFS
100 YEAR HW ELEVATION	= 46.9	FT
OVERTOPPING FREQUENCY	= 25+/-	YRS
OVERTOPPING DISCHARGE	= 16	CFS
OVERTOPPING ELEVATION	= 41J	FT

PI = 36+00.00
 EL = 44.07'
 VC = 380'
 K = 415

PI = 40+45.00
 EL = 45.47'
 VC = 500'
 K = 564

FOR PLAN SEE SHEET 5 & 6

8/25/2002 R-2561CA_Rdy.pfl_16.dgn

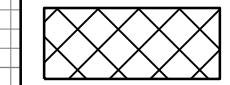





PIPE HYDRAULIC DATA
 PROPOSED 18" RCP-III Sta. 35+00

DRAINAGE AREA	= 1.0	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 6	CFS
DESIGN HW ELEVATION	= 45.7	FT
100 YEAR DISCHARGE	= 7	CFS
100 YEAR HW ELEVATION	= 49.3	FT
OVERTOPPING FREQUENCY	= 25+/-	YRS
OVERTOPPING DISCHARGE	= 6	CFS
OVERTOPPING ELEVATION	= 42.6	FT

PI = 33+69.93
 EL = 45.45'
 VC = 230'
 K = 222

PI = 39+40.00
 EL = 47.93'
 VC = 600'
 K = 403

	UNDERCUT EXCAVATION
DITCH LEGEND	
	RIGHT DITCH
	LEFT DITCH
	MEDIAN DITCH

FOR PLAN SEE SHEET 6