

5/28/99

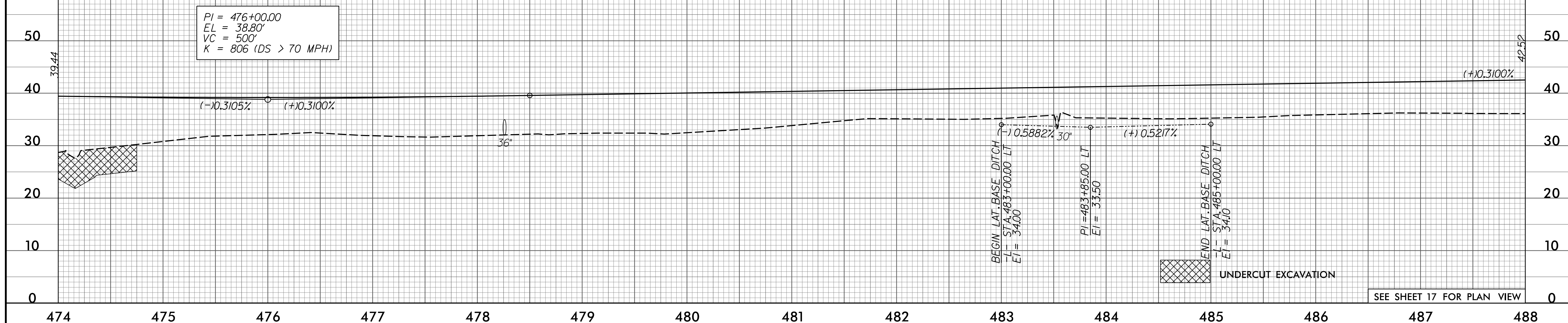
PROJECT REFERENCE NO. R-2514D	SHEET NO. 39
ROADWAY DESIGN ENGINEER DANIEL W. GARDNER, JR. SEAL 033871 3/24/99	HYDRAULICS ENGINEER WILLIAM LYLE MOORE SEAL 039745 3/23/99

**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO.1704

DRAINAGE AREA = 14 AC  
 DESIGN FREQUENCY = 50 YRS  
 DESIGN DISCHARGE = 27 CFS  
 DESIGN HW ELEVATION = 35.33 FT  
 100 YEAR DISCHARGE = 29 CFS  
 100 YEAR HW ELEVATION = 35.42 FT  
 OVERTOPPING FREQUENCY = 10 YRS  
 OVERTOPPING DISCHARGE = 22 CFS  
 OVERTOPPING ELEVATION = 35.0 FT

**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO.1706

DRAINAGE AREA = 8 AC  
 DESIGN FREQUENCY = 50 YRS  
 DESIGN DISCHARGE = 16 CFS  
 DESIGN HW ELEVATION = 35.50 FT  
 100 YEAR DISCHARGE = 17 CFS  
 100 YEAR HW ELEVATION = 35.58 FT  
 OVERTOPPING FREQUENCY = 500+ YRS  
 OVERTOPPING DISCHARGE = 23 CFS  
 OVERTOPPING ELEVATION = 36J FT

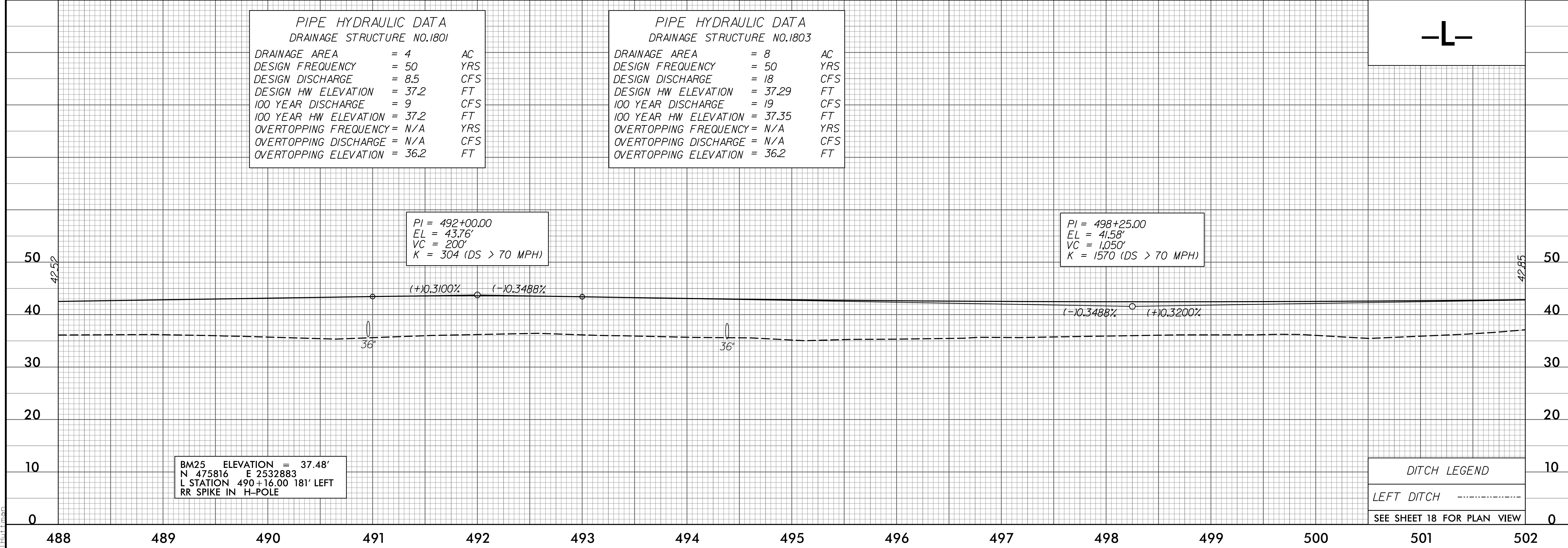


**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO.1801

DRAINAGE AREA = 4 AC  
 DESIGN FREQUENCY = 50 YRS  
 DESIGN DISCHARGE = 8.5 CFS  
 DESIGN HW ELEVATION = 37.2 FT  
 100 YEAR DISCHARGE = 9 CFS  
 100 YEAR HW ELEVATION = 37.2 FT  
 OVERTOPPING FREQUENCY = N/A YRS  
 OVERTOPPING DISCHARGE = N/A CFS  
 OVERTOPPING ELEVATION = 36.2 FT

**PIPE HYDRAULIC DATA**  
DRAINAGE STRUCTURE NO.1803

DRAINAGE AREA = 8 AC  
 DESIGN FREQUENCY = 50 YRS  
 DESIGN DISCHARGE = 18 CFS  
 DESIGN HW ELEVATION = 37.29 FT  
 100 YEAR DISCHARGE = 19 CFS  
 100 YEAR HW ELEVATION = 37.35 FT  
 OVERTOPPING FREQUENCY = N/A YRS  
 OVERTOPPING DISCHARGE = N/A CFS  
 OVERTOPPING ELEVATION = 36.2 FT



BM25 ELEVATION = 37.48'  
 N 475816 E 2532883  
 L STATION 490+16.00 181' LEFT  
 RR SPIKE IN H-POLE

DITCH LEGEND  
 LEFT DITCH -----  
 SEE SHEET 18 FOR PLAN VIEW

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