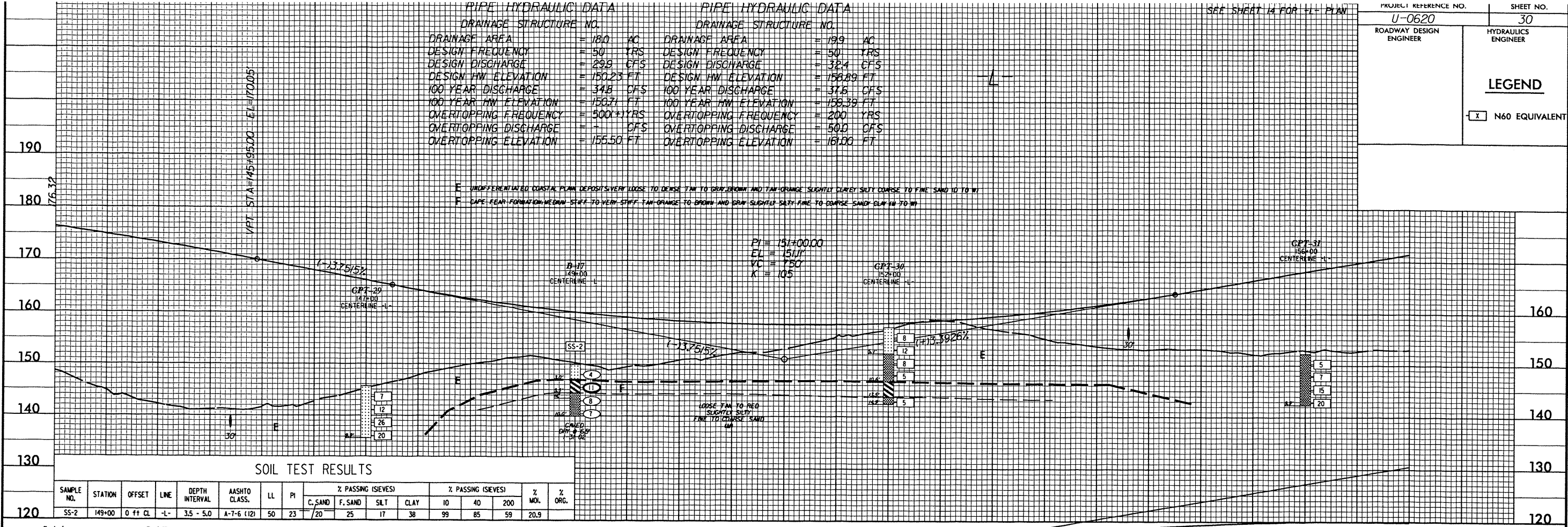


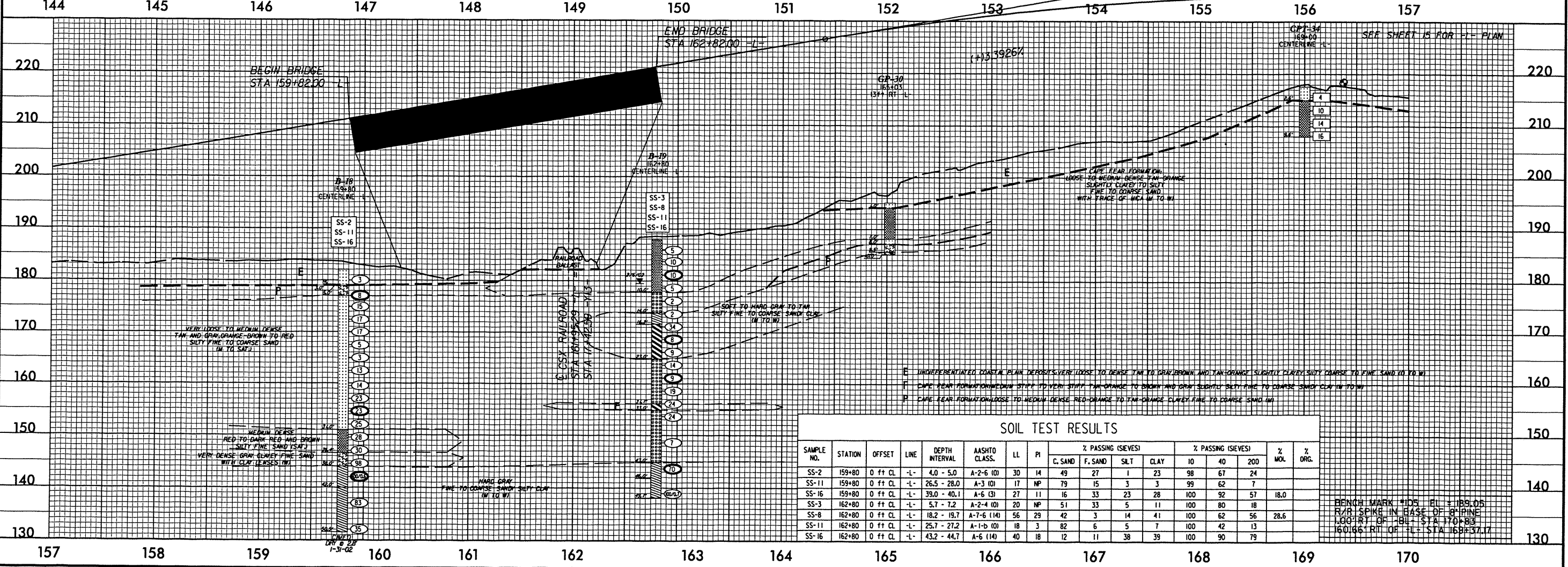
PIPE HYDRAULIC DATA		PIPE HYDRAULIC DATA	
DRAINAGE STRUCTURE NO.		DRAINAGE STRUCTURE NO.	
DRAINAGE AREA	= 180 AC	DRAINAGE AREA	= 199 AC
DESIGN FREQUENCY	= 50 YRS	DESIGN FREQUENCY	= 50 YRS
DESIGN DISCHARGE	= 299 CFS	DESIGN DISCHARGE	= 324 CFS
DESIGN HW ELEVATION	= 150.23 FT	DESIGN HW ELEVATION	= 156.89 FT
100 YEAR DISCHARGE	= 348 CFS	100 YEAR DISCHARGE	= 376 CFS
100 YEAR HW ELEVATION	= 150.71 FT	100 YEAR HW ELEVATION	= 159.39 FT
OVERTOPPING FREQUENCY	= 500 YRS	OVERTOPPING FREQUENCY	= 200 YRS
OVERTOPPING DISCHARGE	= 7 CFS	OVERTOPPING DISCHARGE	= 50.0 CFS
OVERTOPPING ELEVATION	= 155.50 FT	OVERTOPPING ELEVATION	= 161.00 FT

SEE SHEET 14 FOR L-L PLAN



SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES)				% PASSING (SIEVES)			% MOL.	% ORG.
								C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-2	149+00	0 ft CL	-L	3.5 - 5.0	A-7-6 (12)	50	23	20	25	17	38	99	85	59	20.9	



SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES)				% PASSING (SIEVES)			% MOL.	% ORG.
								C. SAND	F. SAND	SILT	CLAY	10	40	200		
SS-2	159+80	0 ft CL	-L	4.0 - 5.0	A-2-6 (0)	30	14	49	27	1	23	98	67	24		
SS-11	159+80	0 ft CL	-L	26.5 - 28.0	A-3 (0)	17	NP	79	15	3	3	99	62	7		
SS-16	159+80	0 ft CL	-L	39.0 - 40.1	A-6 (3)	27	11	16	33	23	28	100	92	57	18.0	
SS-3	162+80	0 ft CL	-L	5.7 - 7.2	A-2-4 (0)	20	NP	51	33	5	11	100	80	18		
SS-8	162+80	0 ft CL	-L	18.2 - 19.7	A-7-6 (14)	56	29	42	3	14	41	100	62	56	28.6	
SS-11	162+80	0 ft CL	-L	25.7 - 27.2	A-1-b (0)	18	3	82	6	5	7	100	42	13		
SS-16	162+80	0 ft CL	-L	43.2 - 44.7	A-6 (14)	40	18	12	11	38	39	100	90	79		

BENCHMARK #105 EL = 189.05
 R/R SPIKE IN BASE OF B PINE
 1.00 FT OF BBL STA 170+83.160
 160.66 FT OF RL STA 168+37.17