

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE = 350 CFS
 DESIGN FREQUENCY = 50 YRS
 DESIGN HW ELEVATION = 123.65 FT
 BASE DISCHARGE = 400 CFS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 124.05 FT
 OVERTOPPING DISCHARGE = 700 CFS
 OVERTOPPING FREQUENCY = 500+ YRS
 OVERTOPPING ELEVATION = 127.86 FT

PIPE HYDRAULIC DATA

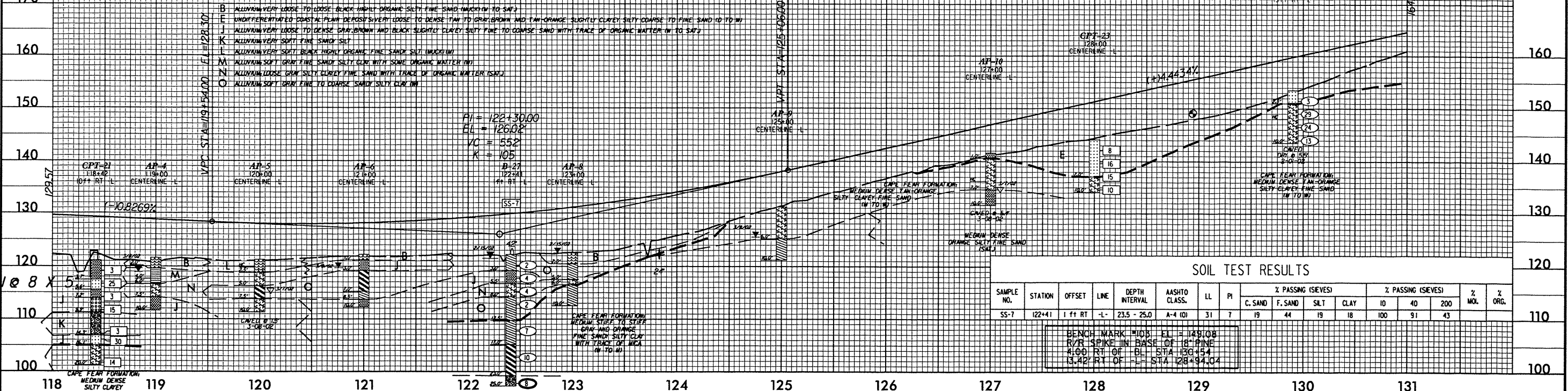
DRAINAGE STRUCTURE NO. 1
 DRAINAGE AREA = NYA AC
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 55 CFS
 DESIGN HW ELEVATION = 123.61 FT
 100 YEAR DISCHARGE = 65 CFS
 100 YEAR HW ELEVATION = 124.06 FT
 OVERTOPPING FREQUENCY = 500+ YRS
 OVERTOPPING DISCHARGE = 70 CFS
 OVERTOPPING ELEVATION = 127.86 FT

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO. 2
 DRAINAGE AREA = NYA AC
 DESIGN FREQUENCY = 50 YRS
 DESIGN DISCHARGE = 10 CFS
 DESIGN HW ELEVATION = 123.66 FT
 100 YEAR DISCHARGE = 14 CFS
 100 YEAR HW ELEVATION = 124.06 FT
 OVERTOPPING FREQUENCY = 500+ YRS
 OVERTOPPING DISCHARGE = 15 CFS
 OVERTOPPING ELEVATION = 127.86 FT

PROJECT REFERENCE NO. U-0620
 ROADWAY DESIGN ENGINEER
 SHEET NO. 29
 HYDRAULICS ENGINEER
LEGEND
 [X] N60 EQUIVALENT

SEE SHEET 12 FOR L-PLAN

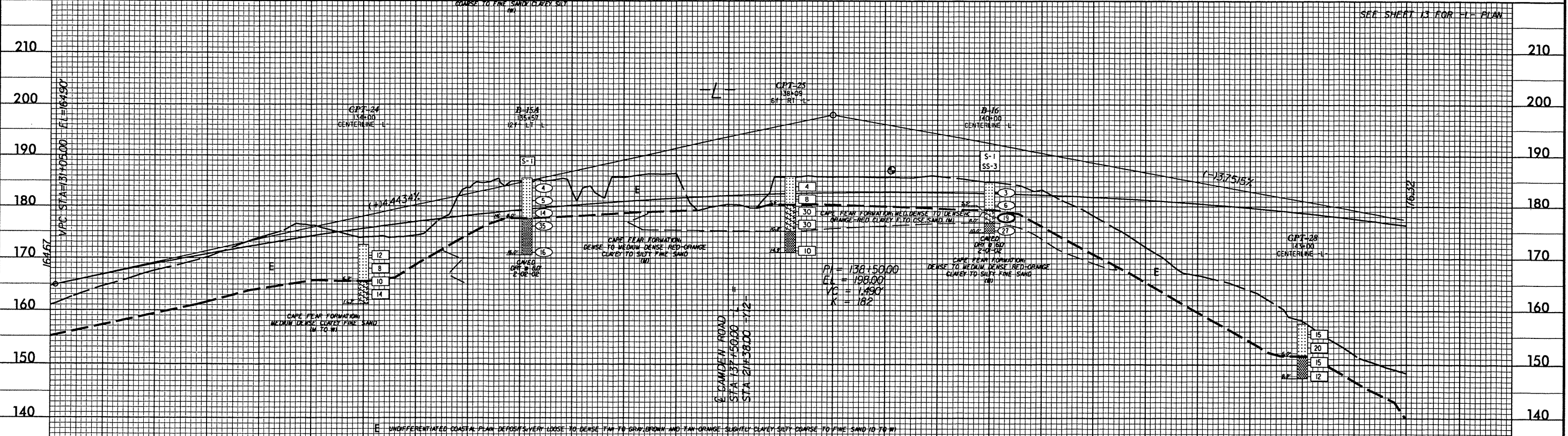


SOIL TEST RESULTS

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-7	122+41	1 ft RT	-L-	23.5 - 25.0	A-4 (0)	31	7	19	44	19	18	100	91	43		

BENCH MARK #108 EL = 149.08
 R/R SPIKE IN BASE OF 18" PINE
 100' RT OF BL STA 128+54.4
 13.42' RT OF -L- STA 128+54.04

SEE SHEET 13 FOR L-PLAN



SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES)				% PASSING (SIEVES)			% MOL.	% ORG.	MAX DENSITY (pcf)	OPT. % MOL.	CBR VALUES	
								C. SAND	F. SAND	SILT	CLAY	10	40	200					0.1"	0.2"
S-1	135+57	12 ft LT	-L-	1.0 - 5.0	A-3 (0)	17	NP	58	35	2	5	100	65	8	115.9	9.5	32	32		
S-1	140+00	0 ft CL	-L-	1.0 - 3.0	A-3 (0)	18	NP	59	37	2	2	92	65	4	114.2	10.5	26	40		
SS-3	140+00	0 ft CL	-L-	6.0 - 7.5	A-2-7 (2)	42	20	42	26	6	26	98	74	32						

BENCH MARK #104 EL = 187.19
 R/R SPIKE IN BASE OF 15" PINE
 168.00' LT OF BL STA 140+80
 217.29' LT OF -L- STA 139+06.04