

SEE SHEET 5 FOR -Y1- PLAN

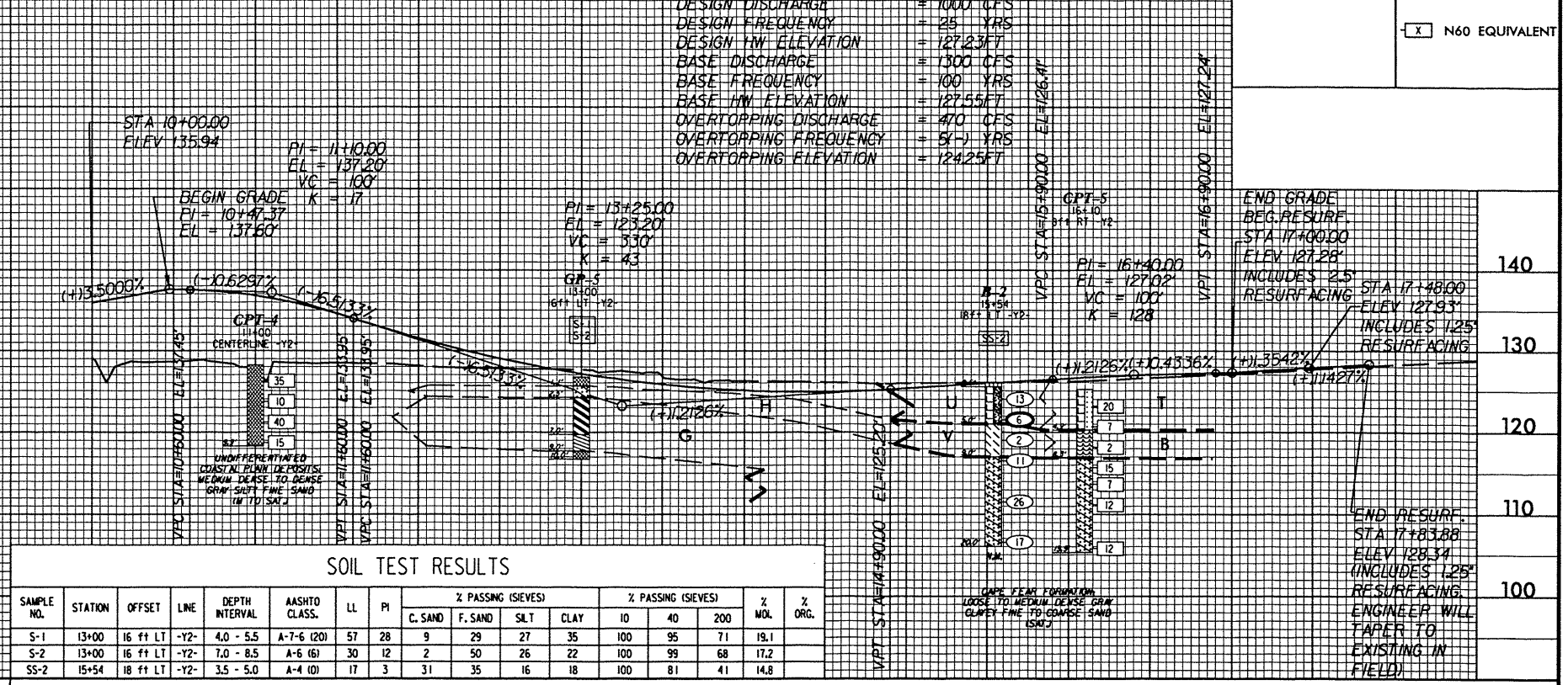
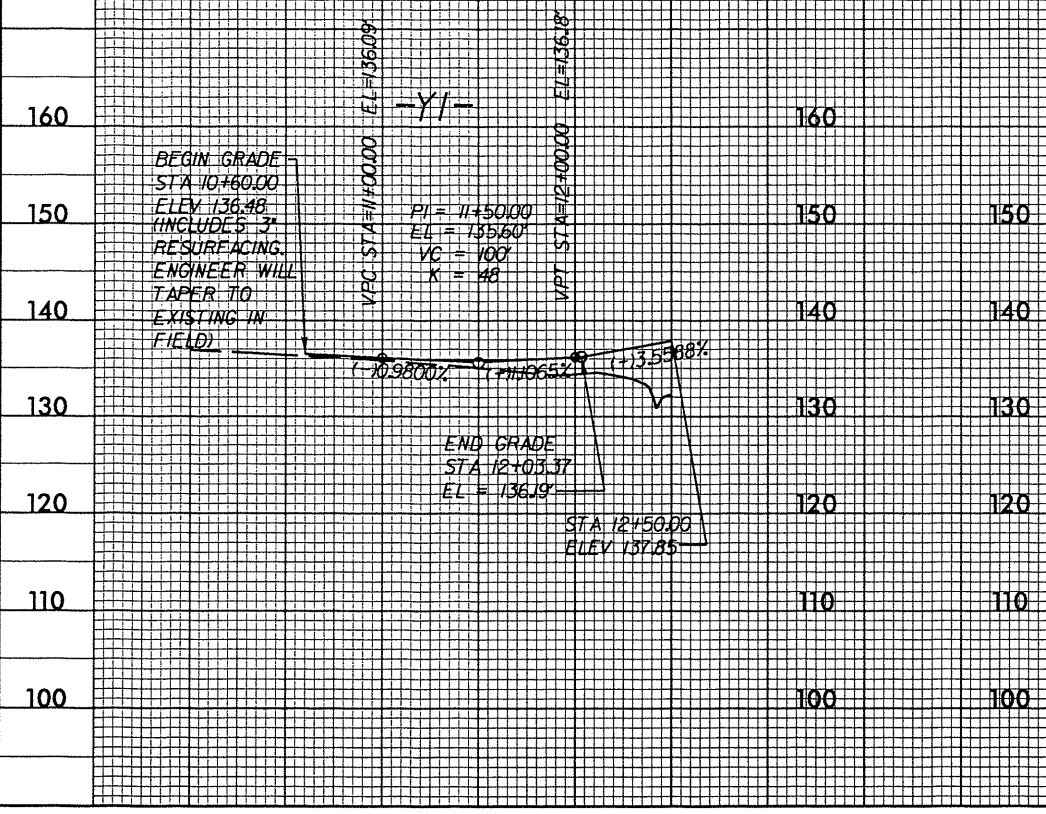
SEE SHEETS 5 & 20 FOR -Y2- PLAN

PROJECT REFERENCE NO. U-0620	SHEET NO. 33
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER
LEGEND	
[X] N60 EQUIVALENT	

- B ALLUVIUM VERY LOOSE TO LOOSE BLACK BROWN ORGANIC SILTY FINE TO COARSE SAND (MUCK TO SAT)
- G UNDIFFERENTIATED COASTAL PLAIN DEPOSITS MEDIUM STIFF TO STIFF GRAY BROWN ORANGE SLIGHTLY SILTY FINE SAND (CL. IN TO M)
- H UNDIFFERENTIATED COASTAL PLAIN DEPOSITS LOOSE TO MEDIUM DENSE GRAY AND ORANGE CLAYEY FINE SAND (M TO W)
- T ROADWAY EMBANKMENT FILL MEDIUM DENSE TO LOOSE SLIGHTLY SILTY FINE SAND (D TO M)
- U ROADWAY EMBANKMENT FILL MEDIUM STIFF TO STIFF TAN BLACK RED BROWN AND GRAY COARSE TO FINE SAND (CLAYEY SAT TO D)
- V ALLUVIUM VERY LOOSE BLACK SILTY FINE SAND WITH MODERATE ORGANIC MATTER (M)

STRUCTURE HYDRAULIC DATA

DESIGN DISCHARGE = 1000 CFS
 DESIGN FREQUENCY = 25 YRS
 DESIGN HW ELEVATION = 127.23 FT
 BASE DISCHARGE = 1500 CFS
 BASE FREQUENCY = 100 YRS
 BASE HW ELEVATION = 127.55 FT
 OVERTOPPING DISCHARGE = 470 CFS
 OVERTOPPING FREQUENCY = 5 YRS
 OVERTOPPING ELEVATION = 124.25 FT

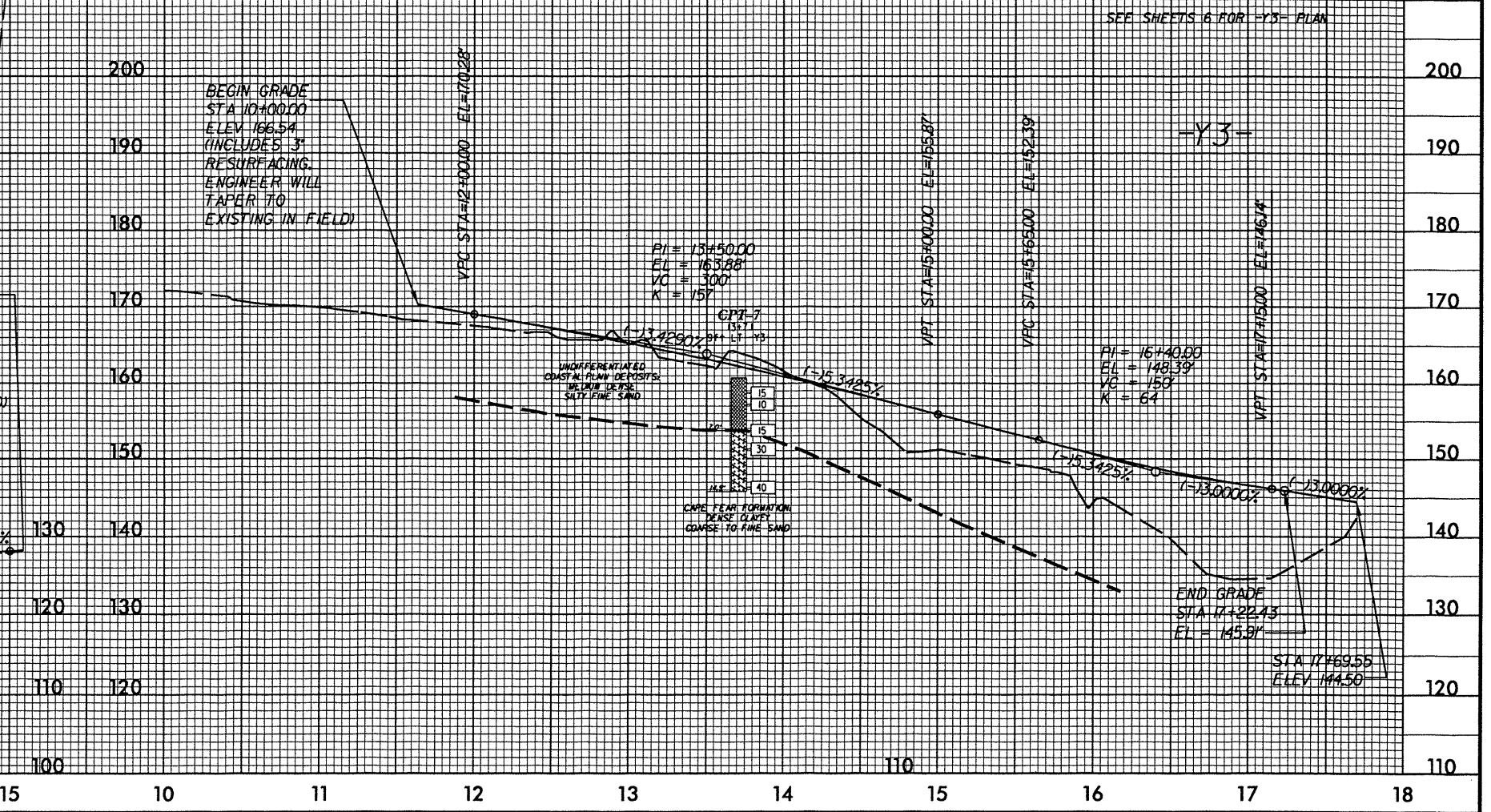
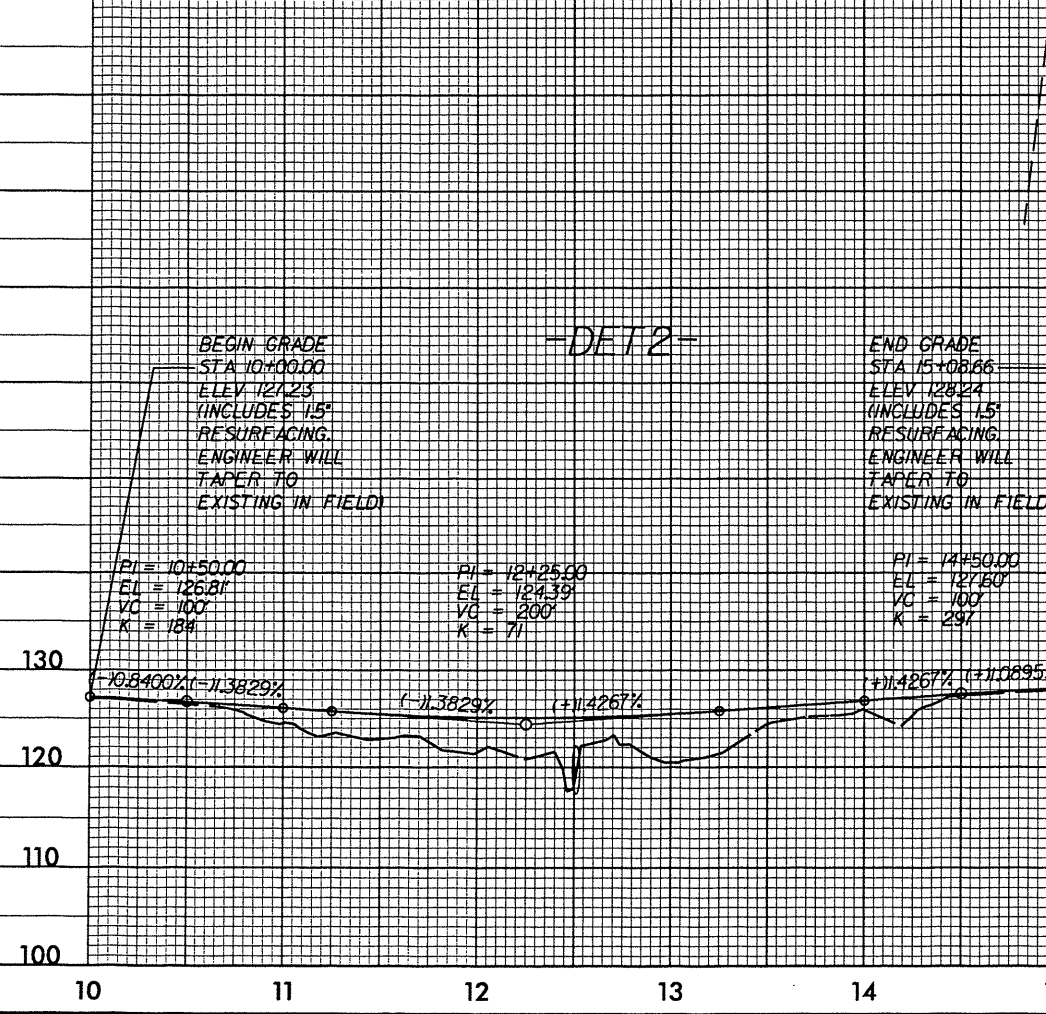


SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES)				% MOL.	% ORG.		
								C. SAND	F. SAND	SILT	CLAY				
S-1	13+00	16 ft LT	-Y2-	4.0 - 5.5	A-7-6 (20)	57	28	9	29	27	35	100	95	71	19.1
S-2	13+00	16 ft LT	-Y2-	7.0 - 8.5	A-6 (6)	30	12	2	50	26	22	100	99	68	17.2
SS-2	15+54	18 ft LT	-Y2-	3.5 - 5.0	A-4 (0)	17	3	31	35	16	18	100	81	41	14.8

10 11 12 10 11 12 13 14 15 16 17 18

SEE SHEETS 6 FOR -Y3- PLAN



10 11 12 13 14 15 10 11 12 13 14 15 16 17 18