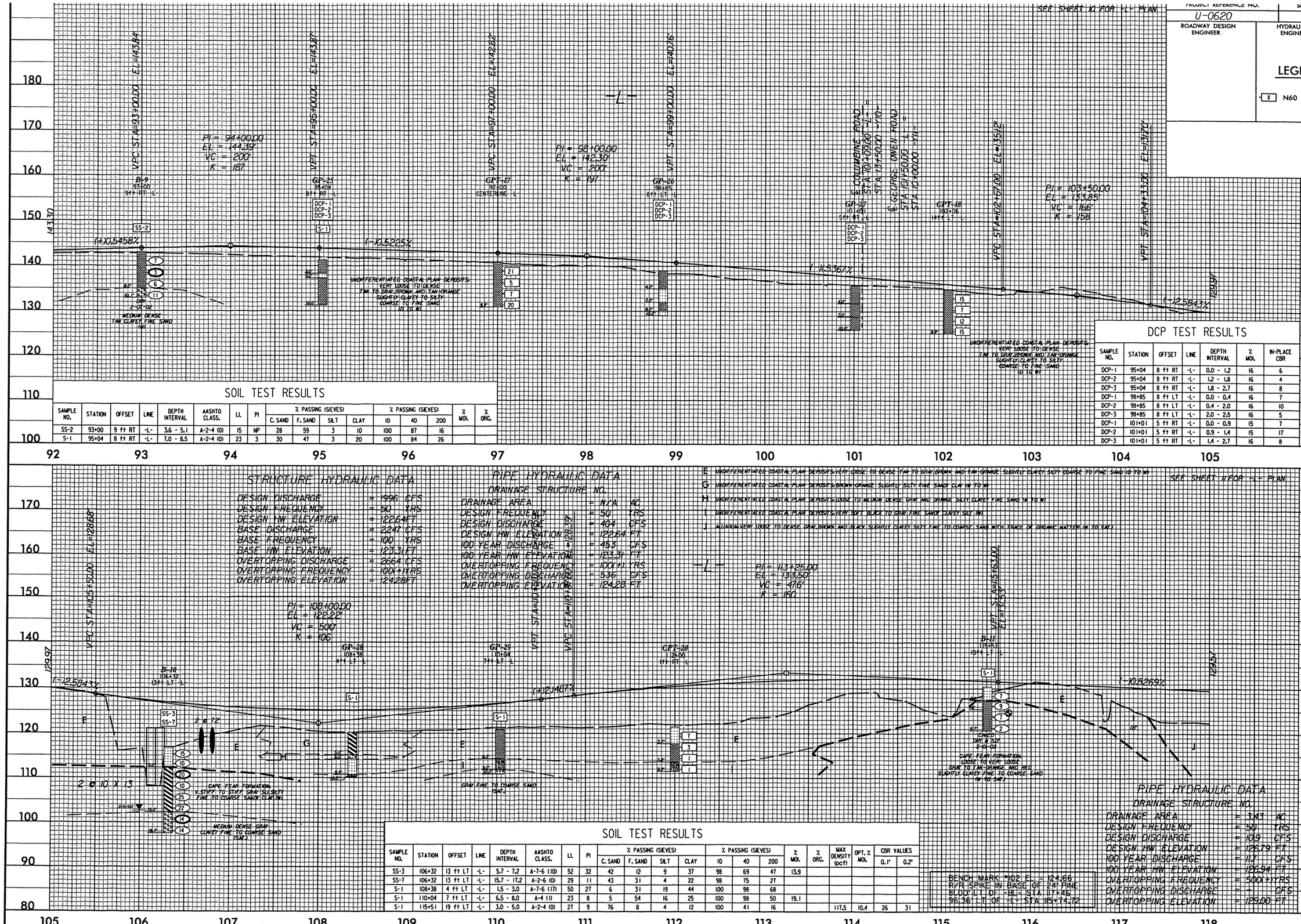
PROJECT REFERENCE NO.	SHEET NO.
U-0620	28
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

LEGEND

[X] N60 EQUIVALENT



DCP TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	% MOI.	IN-PLACE CBR
DCP-1	95+04	8 ft RT	-L-	0.0 - 1.2	16	6
DCP-2	95+04	8 ft RT	-L-	1.2 - 1.8	16	4
DCP-3	95+04	8 ft RT	-L-	1.8 - 2.7	16	8
DCP-1	98+85	8 ft LT	-L-	0.0 - 0.4	16	7
DCP-2	98+85	8 ft LT	-L-	0.4 - 2.0	16	10
DCP-3	98+85	8 ft LT	-L-	2.0 - 2.5	16	5
DCP-1	101+01	5 ft RT	-L-	0.0 - 0.9	15	7
DCP-2	101+01	5 ft RT	-L-	0.9 - 1.4	15	17
DCP-3	101+01	5 ft RT	-L-	1.4 - 2.7	16	8

SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES) C. SAND	F. SAND	SILT	CLAY	% PASSING (SIEVES) 10	40	200	% MOI.	% ORG.
SS-2	93+00	9 ft RT	-L-	3.6 - 5.1	A-2-4 (0)	15	NP	28	59	3	10	100	87	16		
S-1	95+04	8 ft RT	-L-	7.0 - 8.5	A-2-4 (0)	23	3	30	47	3	20	100	84	26		

STRUCTURE HYDROAULIC DATA

DESIGN DISCHARGE	= 1996	CFS
DESIGN FREQUENCY	= 50	YRS
DESIGN HW ELEVATION	= 122.64	FT
BASE DISCHARGE	= 2247	CFS
BASE FREQUENCY	= 100	YRS
BASE HW ELEVATION	= 123.31	FT
OVERTOPPING DISCHARGE	= 2664	CFS
OVERTOPPING FREQUENCY	= 100(+)	YRS
OVERTOPPING ELEVATION	= 124.28	FT

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= N/A	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 404	CFS
DESIGN HW ELEVATION	= 122.64	FT
100 YEAR DISCHARGE	= 453	CFS
100 YEAR HW ELEVATION	= 123.31	FT
OVERTOPPING FREQUENCY	= 100(+)	YRS
OVERTOPPING DISCHARGE	= 536	CFS
OVERTOPPING ELEVATION	= 124.28	FT

E UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:VERY LOOSE TO DENSE TAN TO GRAY/BROWN AND TAN-ORANGE SLIGHTLY CLAYEY SILTY COARSE TO FINE SAND (D TO W)

G UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:BROWN-ORANGE SLIGHTLY SILTY FINE SAND OF CLAY (W TO W)

H UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:LOOSE TO MEDIUM DENSE GRAY AND ORANGE SILTY CLAYEY FINE SAND (W TO W)

I UNDIFFERENTIATED COASTAL PLAIN DEPOSITS:VERY SOFT BLACK TO GRAY FINE SANDY CLAYEY SILT (W)

J ALLUVIUM:VERY LOOSE TO DENSE GRAY,BROWN AND BLACK SLIGHTLY CLAYEY SILTY FINE TO COARSE SAND WITH TRACE OF ORGANIC MATTER (W TO SAT)

SEE SHEET 11 FOR -L- PLAN

SOIL TEST RESULTS

SAMPLE NO.	STATION	OFFSET	LINE	DEPTH INTERVAL	AASHTO CLASS.	LL	PI	% PASSING (SIEVES) C. SAND	F. SAND	SILT	CLAY	% PASSING (SIEVES) 10	40	200	% MOI.	% ORG.	MAX DENSITY (pcf)	OPT. % MOI.	CBR VALUES 0.1"	0.2"
SS-3	106+32	13 ft LT	-L-	5.7 - 7.2	A-7-6 (10)	52	32	42	12	9	37	98	69	47	13.9					
SS-7	106+32	13 ft LT	-L-	15.7 - 17.2	A-2-6 (0)	29	11	43	31	4	22	98	75	27						
S-1	108+38	4 ft LT	-L-	1.5 - 3.0	A-7-6 (17)	50	27	6	31	19	44	100	98	68						
S-1	110+04	7 ft LT	-L-	6.5 - 8.0	A-4 (1)	23	8	5	54	16	25	100	98	50	19.1					
S-1	115+51	19 ft LT	-L-	3.0 - 5.0	A-2-4 (0)	27	9	76	8	4	12	100	41	16			117.5	10.4	26	31

BENCH MARK #102 E = 124.66
R/R SPIKE IN BASE OF 24" PINE
BLOD LT. OF -BL- STA 17+45.
96.36' LT OF -L- STA 115+74.72

PIPE HYDRAULIC DATA

DRAINAGE STRUCTURE NO.

DRAINAGE AREA	= 3.43	AC
DESIGN FREQUENCY	= 50	YRS
DESIGN DISCHARGE	= 10.9	CFS
DESIGN HW ELEVATION	= 126.79	FT
100 YEAR DISCHARGE	= 11.7	CFS
100 YEAR HW ELEVATION	= 126.94	FT
OVERTOPPING FREQUENCY	= 500(+)	YRS
OVERTOPPING DISCHARGE	= -1-	CFS
OVERTOPPING ELEVATION	= 129.00	FT