

GRADATION ANALYSIS REPORT
PALM BEACH VIERADORE SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES
ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	5	5	6								
SAMPLE DEPTH (FT)	14.7	17.7	3.0								
U.S.C.S.	SP	SP	SP								
DESCRIPTION											
DRY SAMPLE WT (GRAMS)	221.69	227.12	237.21								
SAMPLE WT AFTER WASH	216.49	222.32	232.77								
SIEVE SIZE	PHI	MESE SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	5.07	2.26	97.72	0.00	0.00	100.00	0.01	0.26	99.74
7	-1.50	2.8	6.88	3.08	96.92	0.31	0.14	99.86	1.13	0.48	99.52
10	-1.00	2	9.47	4.27	95.73	0.87	0.38	99.62	1.53	0.84	99.38
14	-0.50	1.4	13.49	6.09	93.81	1.32	0.58	99.42	2.30	1.01	98.99
18	0.00	1	18.15	8.19	91.81	1.95	0.86	99.14	3.35	1.41	98.59
25	0.50	0.71	23.49	10.60	89.40	2.63	1.16	98.84	4.76	2.01	97.99
35	1.00	0.5	29.44	13.28	86.72	4.82	2.12	97.88	7.59	3.20	96.80
45	1.50	0.355	37.75	17.03	82.97	13.49	5.94	94.06	14.81	6.24	93.76
60	2.00	0.25	55.78	25.51	73.49	52.80	23.25	76.75	46.17	19.45	80.54
80	2.50	0.18	125.10	56.88	43.12	137.55	60.56	56.44	139.40	58.77	41.23
120	3.00	0.125	184.45	83.20	16.80	192.48	84.75	15.25	207.33	87.40	12.60
170	3.50	0.09	214.10	96.58	3.42	221.20	97.39	2.61	230.89	97.38	2.62
200	3.75	0.075	216.00	97.43	2.57	222.00	97.75	2.25	231.74	97.69	2.31
250	4.00	0.063	218.31	97.57	2.43	222.12	97.80	2.20	231.80	97.72	2.28
PAN			216.40			222.15			232.00		
SIEVE LOSS			0.09			0.17			0.77		
WEIGHTED AVE(mm)			0.362			0.193			0.204		
SILT-CLAY %			2.53			2.16			1.98		

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FOR: ☒ SOIL CLASSIFICATION ☒ CORING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	5	6	6
SAMPLE DEPTH (FT)	7.0	12.0	18.0

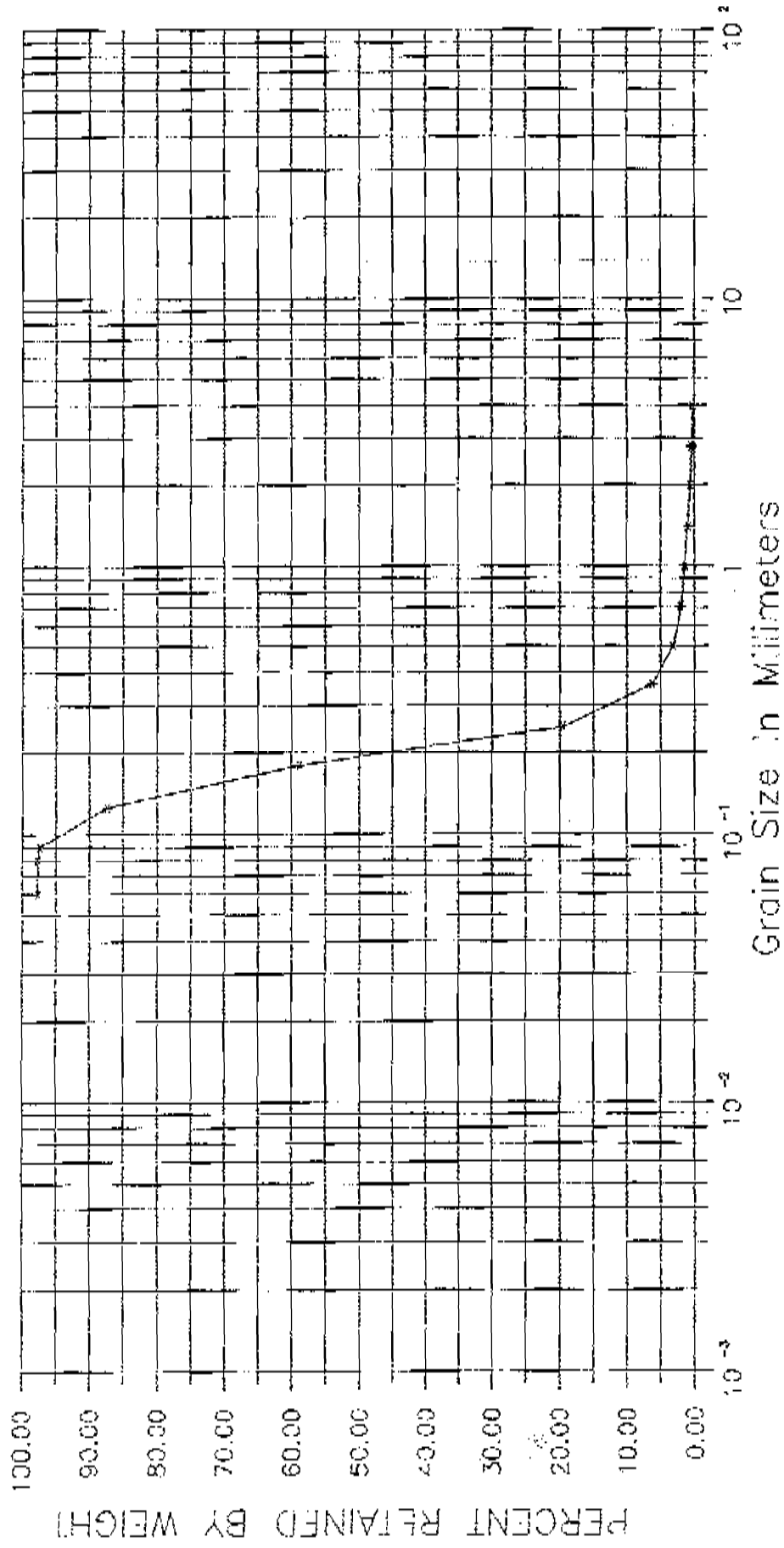
U.S.C.S.	SP	SP	SP
DESCRIPTION			

DRY SAMPLE WT (GRAMS)	207.61	248.41	243.46
SAMPLE WT AFTER WASH	204.26	243.73	234.56

SIEVE SIZE	FEI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	1.34	0.65	99.35	0.00	0.00	100.00	0.85	0.88	99.61
7	-1.50	2.0	2.30	1.11	98.89	0.10	0.04	99.96	1.50	0.62	99.50
10	-1.00	2	3.47	1.67	98.33	0.20	0.08	99.92	2.55	1.05	98.95
14	-0.50	1.4	4.03	1.94	98.06	0.41	0.17	99.83	3.83	1.57	98.43
18	0.00	1	5.74	2.76	97.24	0.80	0.32	99.68	6.18	2.54	97.46
25	0.50	0.71	7.00	3.37	96.63	1.61	0.65	98.35	8.57	3.52	96.48
35	1.00	0.5	9.10	4.38	95.62	2.80	1.17	98.83	15.12	6.21	93.79
45	1.50	0.355	17.82	8.58	91.42	5.00	2.01	97.99	24.63	10.14	89.86
60	2.00	0.25	38.54	18.56	81.44	15.30	6.16	93.84	47.15	19.37	80.63
80	2.50	0.18	85.72	41.77	58.23	121.01	48.71	51.29	139.00	57.09	42.91
120	3.00	0.125	108.51	52.27	47.73	209.42	83.90	16.10	206.95	85.00	15.00
170	3.50	0.09	201.40	97.01	2.99	242.67	97.69	2.31	232.49	85.49	4.51
200	3.75	0.075	203.13	97.84	2.15	243.28	97.93	2.07	233.72	96.00	4.00
230	4.00	0.063	203.39	97.97	2.03	243.60	98.06	1.94	234.12	96.16	3.84
PAN			203.80	98.16		243.70	98.10		234.17	96.18	

SIEVE LOSS	0.48	0.03	0.39
WEIGHTED AVE (mm)	0.212	0.180	0.228
SILT-CLAY %	1.93	2.05	3.84

MECHANICAL ANALYSIS CHART

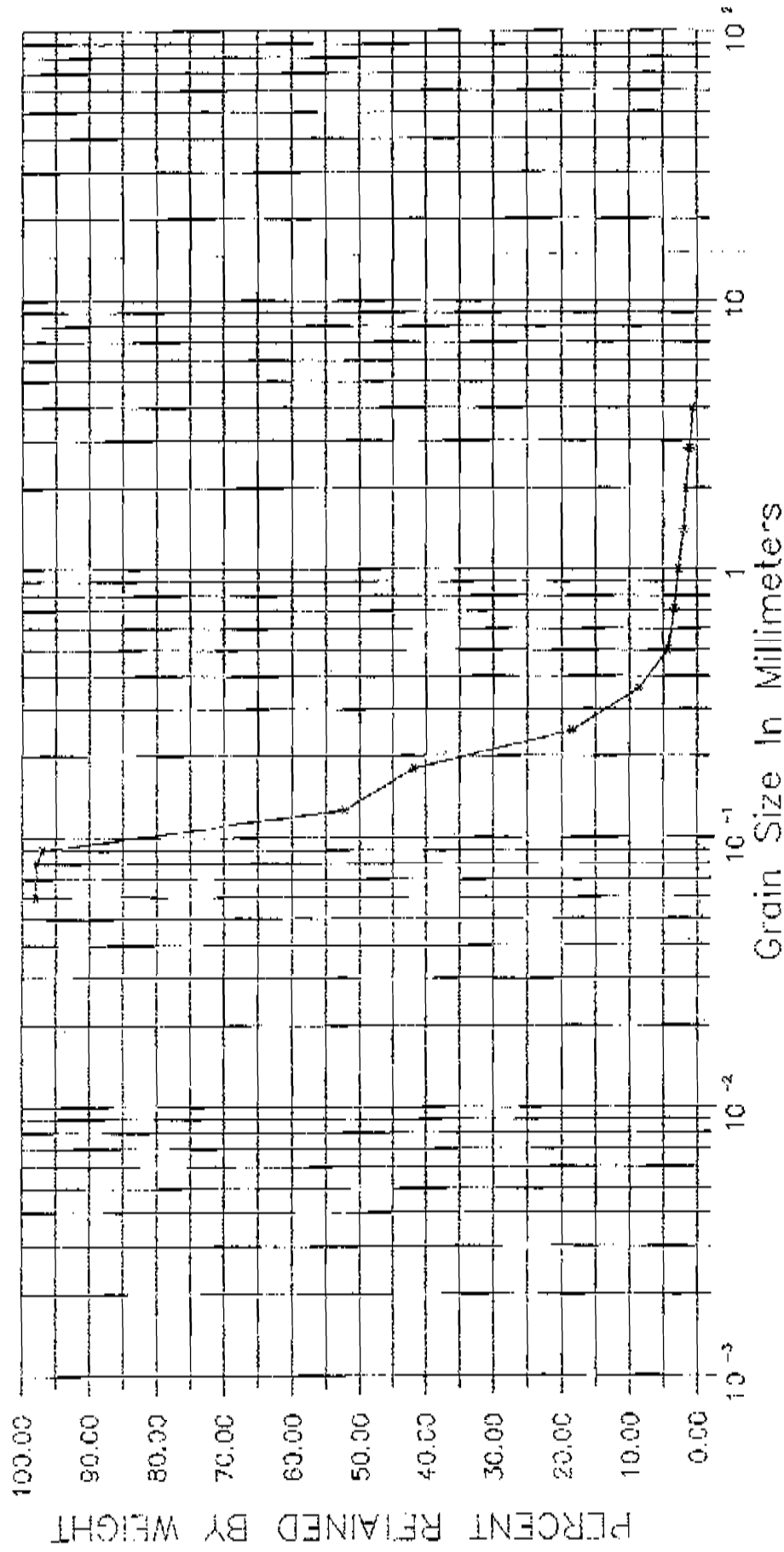


SILT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE	

SAMPLE NO. CLASSIFICATION

6	WEAN	MEDIAN	SORTING
3'	10.00	19.00	50
	.10	.20	.55
	GREY POORLY GRADED SAND & SHELL FRAGMENTS (SP)		

MECHANICAL ANALYSIS CHART



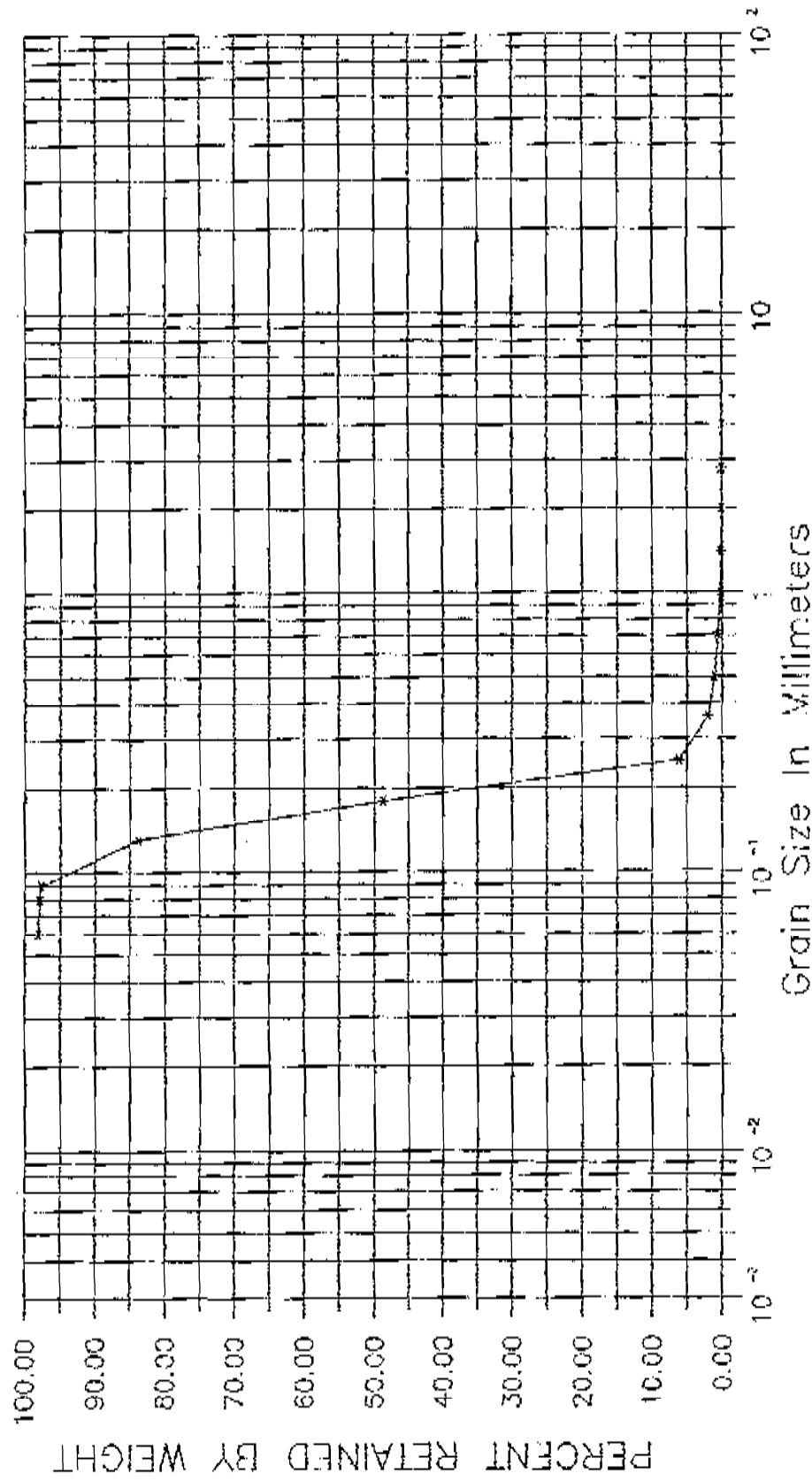
SILT OR CLAY	SAND				GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE	

SAMPLE NO.

CLASSIFICATION

6	MEAN	MEDIAN	SORTING
71	0.14	0.14	0.72
GREY POORLY GRADED SAND - (SP)			

MECHANICAL ANALYSIS CHART

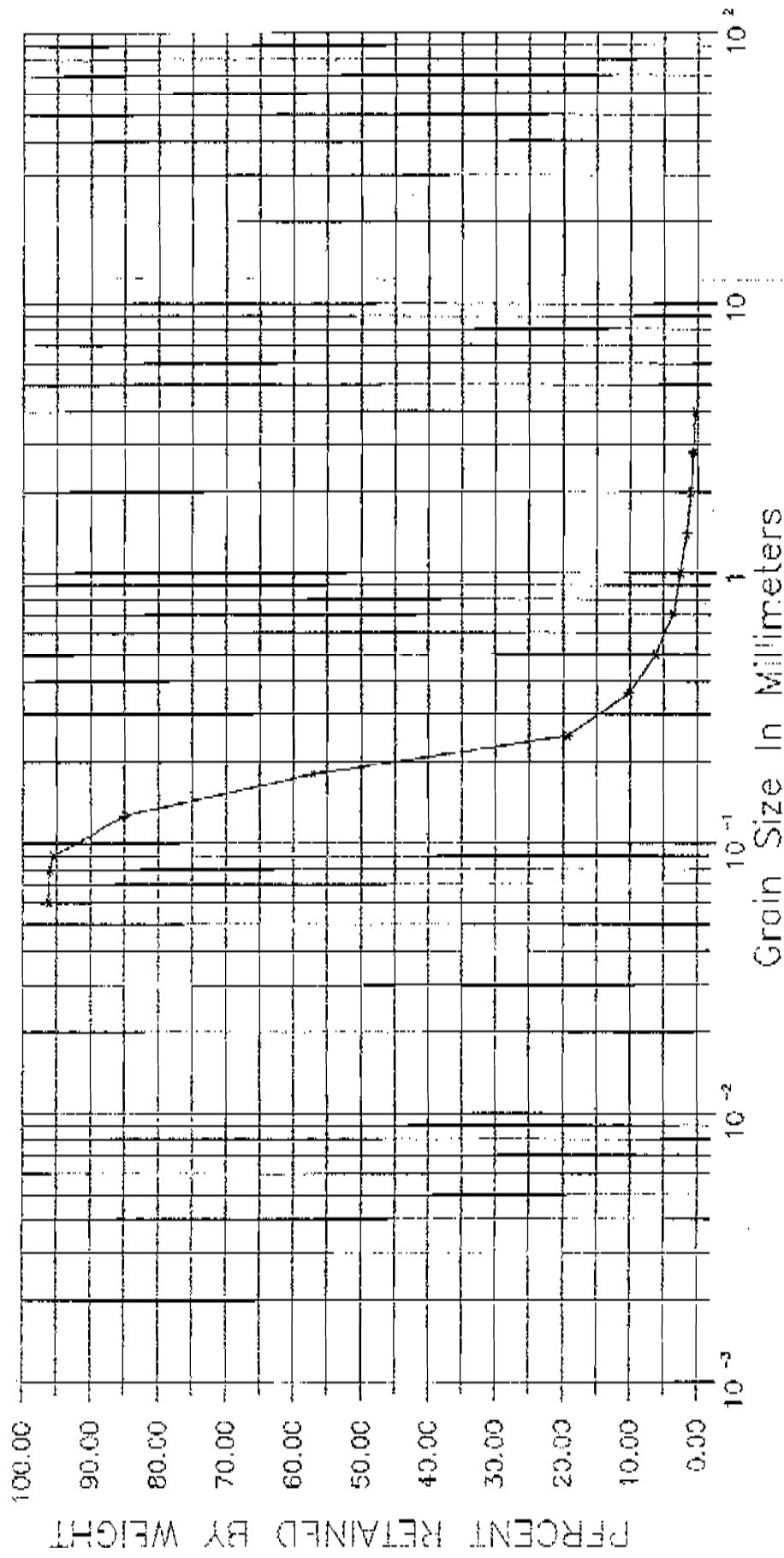


SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

PLE NO. CLASSIFICATION

U	MEAN	MEDIAN	SORTING
12	0.18	0.18	3.4
	0.17	0.18	3.8
	POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



SLT OR CLAY	SAND		GRAVEL	
	FINE	MED UM	FINE	COARSE

SAMPLE NO.	CLASSIFICATION		
	VGAN	MEDIAN	SORTING
6			
18'	.19	.10	.53
	.19	.20	.55
	GREY POORLY GRADED SAND (SP)		