

GRADATION ANALYSIS REPORT
PALM BEACH VIBRACORE SAMPLES DECEMBER 1987

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

CORE NO.	19	20	20
SAMPLE DEPTH (FT)	19.0	3.0	9.0
U.S.C.S. DESCRIPTION	SP	SP	SP

DRY SAMPLE WT (GRAMS)	296.21	271.32	281.50
SAMPLE WT AFTER WASH	288.72	267.62	278.71

STEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.28	0.00	99.91	1.00	0.87	99.63	0.25	0.09	99.91
7	-1.50	2.0	0.28	0.00	99.91	1.40	0.52	99.48	0.43	0.15	99.85
	-1.00	2	0.63	0.22	99.78	1.87	0.69	99.31	0.53	0.20	99.80
14	-0.50	1.4	0.75	0.25	99.75	2.68	0.99	99.01	0.91	0.32	99.68
18	0.00	1	0.84	0.28	99.72	3.12	1.13	98.85	1.27	0.45	99.55
25	0.50	0.71	1.39	0.47	99.53	3.82	1.41	98.59	20.10	7.14	92.86
35	1.00	0.5	1.69	0.57	99.43	5.13	1.89	98.11	4.93	1.75	98.25
45	1.50	0.355	3.08	1.04	98.96	8.65	3.26	96.74	12.85	4.49	95.51
60	2.00	0.25	10.32	3.48	96.52	24.80	9.14	90.86	45.25	16.07	83.93
80	2.50	0.18	96.80	32.51	67.49	137.65	50.73	49.27	180.71	57.09	42.91
120	3.00	0.125	175.80	59.35	40.65	228.36	83.43	16.57	243.62	86.54	13.46
170	3.50	0.09	284.90	96.18	3.82	265.85	97.91	2.09	276.72	98.30	1.70
200	3.75	0.075	287.15	96.94	3.06	266.04	98.05	1.95	277.85	98.70	1.30
230	4.00	0.063	287.56	97.08	2.92	268.97	98.40	1.60	278.25	98.85	1.15
PAN			288.16	97.28		267.12	98.45		278.38	98.87	
LOSS			0.58			0.50			0.30		
WEIGHTED AVE(mm)			0.140			0.170			0.185		
SILT-CLAY %			2.87			1.78			1.16		

GRADATION ANALYSIS REPORT
PALM BEACH VIBRACORE SAMPLES DECEMBER 1987

FOR: X SOIL CLASSIFICATION X COREING SAMPLES BEACH SAMPLES CONCRETE AGGREGATES

ENVIRONMENTAL STATION NATURAL SOIL. FILL SAMPLES PIT SAMPLES

CORE NO.	20	20
SAMPLE DEPTH (FT)	14.0	18.0

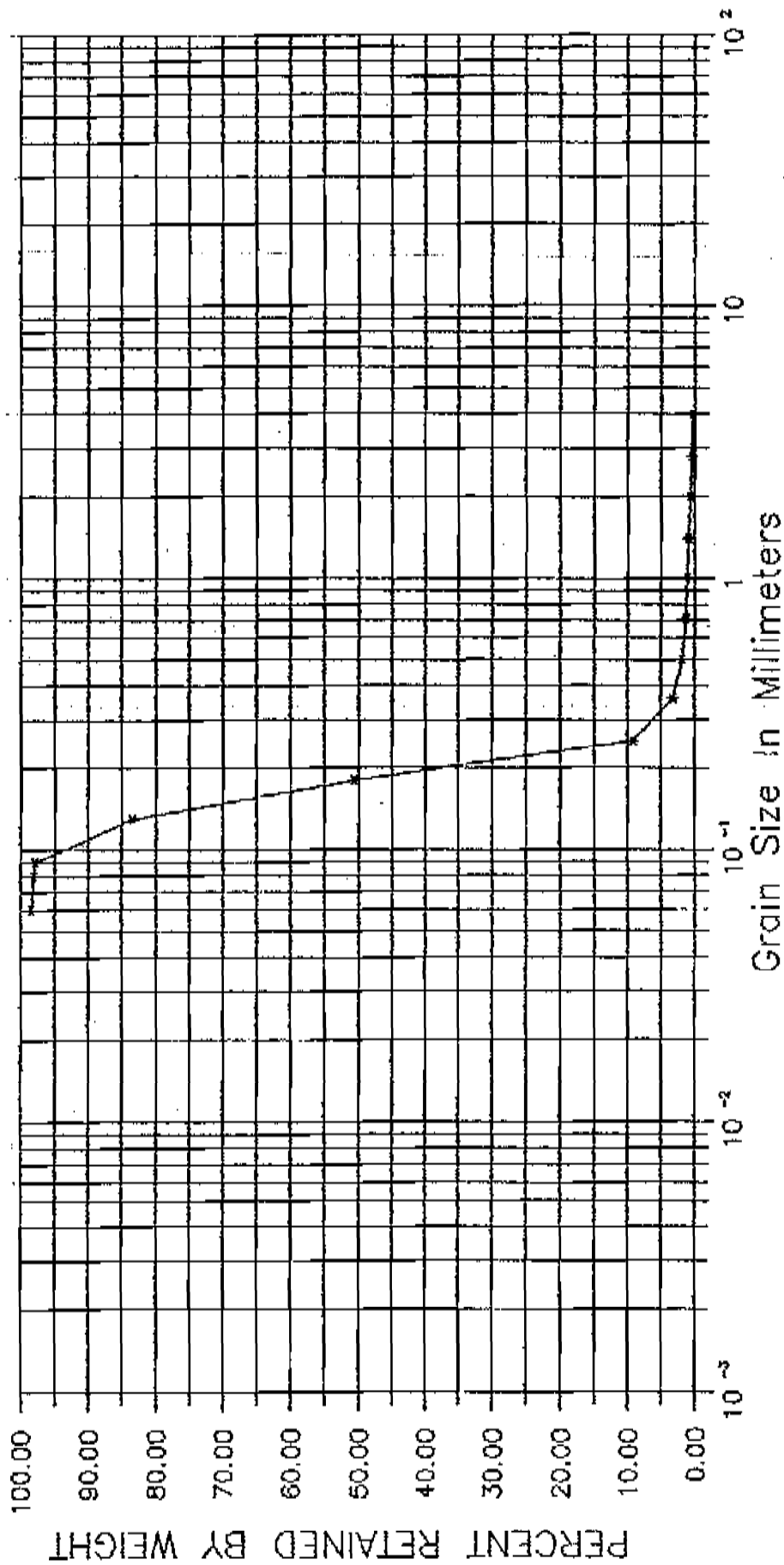
U.S.C.S. DESCRIPTION	SP	SP
-------------------------	----	----

DRY SAMPLE WT (GRAMS)	348.42	269.79
SAMPLE WT AFTER WASH	341.34	263.91

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	1.94	0.56	99.44	0.22	0.08	99.92			
7	-1.50	2.8	3.65	1.05	98.95	1.10	0.41	99.59			
10	-1.00	2	5.85	1.68	98.32	1.74	0.64	99.36			
14	-0.50	1.4	8.15	2.34	97.66	2.63	0.97	99.03			
18	0.00	1	12.00	3.44	96.56	3.74	1.39	98.61			
25	0.50	0.71	19.50	5.60	94.40	4.70	1.74	98.26			
35	1.00	0.5	38.26	11.27	88.73	7.00	2.59	97.41			
45	1.50	0.355	71.00	20.38	79.62	13.49	5.00	95.00			
50	2.00	0.25	114.50	32.66	67.34	28.06	10.40	89.60			
60	2.50	0.18	218.26	62.93	37.07	127.40	47.22	52.78			
120	3.00	0.125	305.68	87.79	12.21	213.80	79.08	20.92			
170	3.50	0.09	337.60	96.85	3.15	253.29	97.59	2.41			
200	3.75	0.075	339.03	97.30	2.70	254.83	90.16	9.84			
230	4.00	0.063	339.59	97.47	2.53	265.13	98.27	1.73			
PAN			340.30	97.67		263.51	98.41				

SIEVE LOSS	1.04	0.40
WEIGHTED AVE(mm)	0.278	0.141
SILT-CLAY %	2.40	1.69

MECHANICAL ANALYSIS CHART



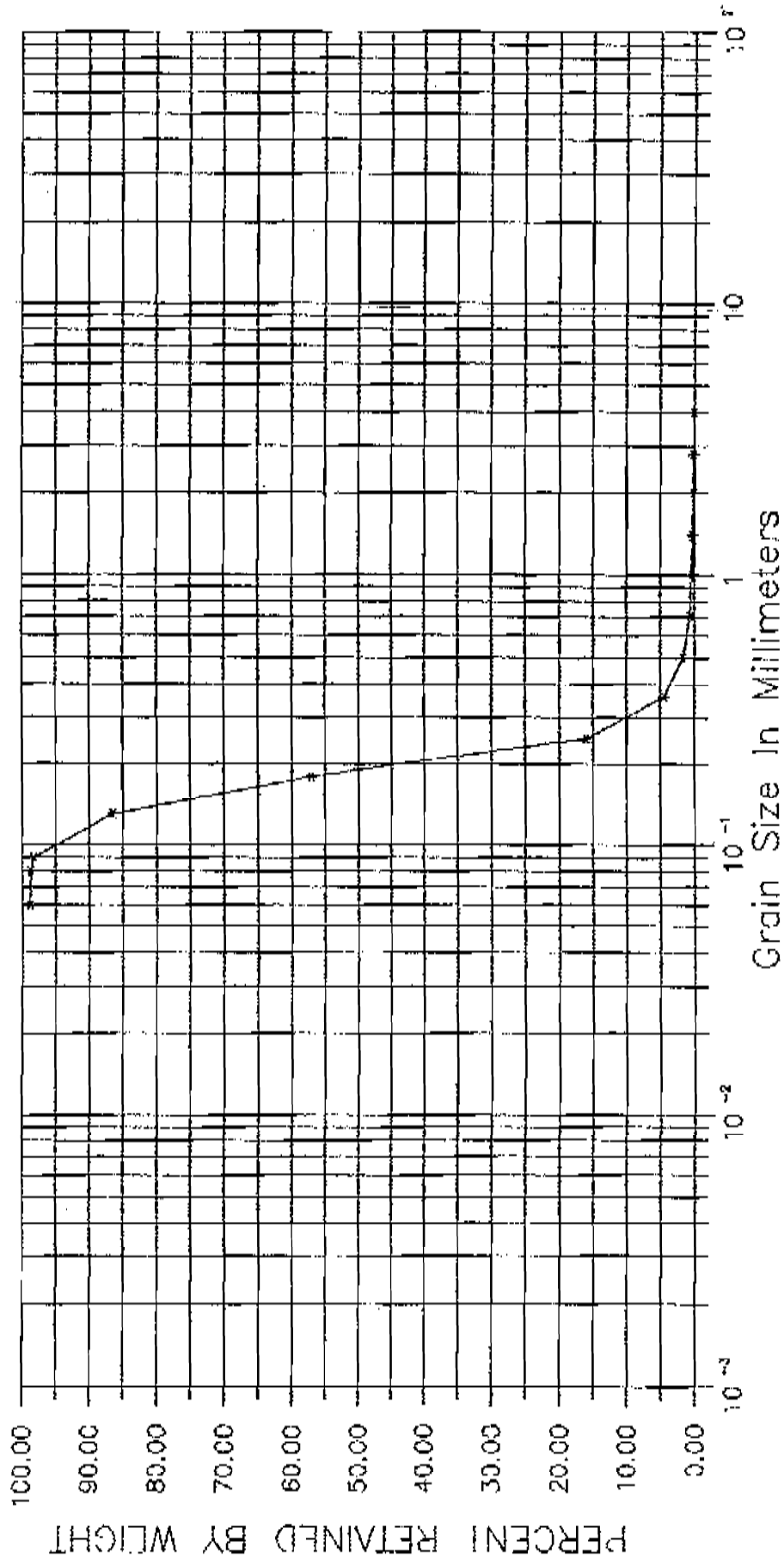
SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

20	NEAN	MEDIAN	SORTING
3	0.075 mm	0.425 mm	0.850 mm
	0.075 mm	0.425 mm	0.850 mm
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART

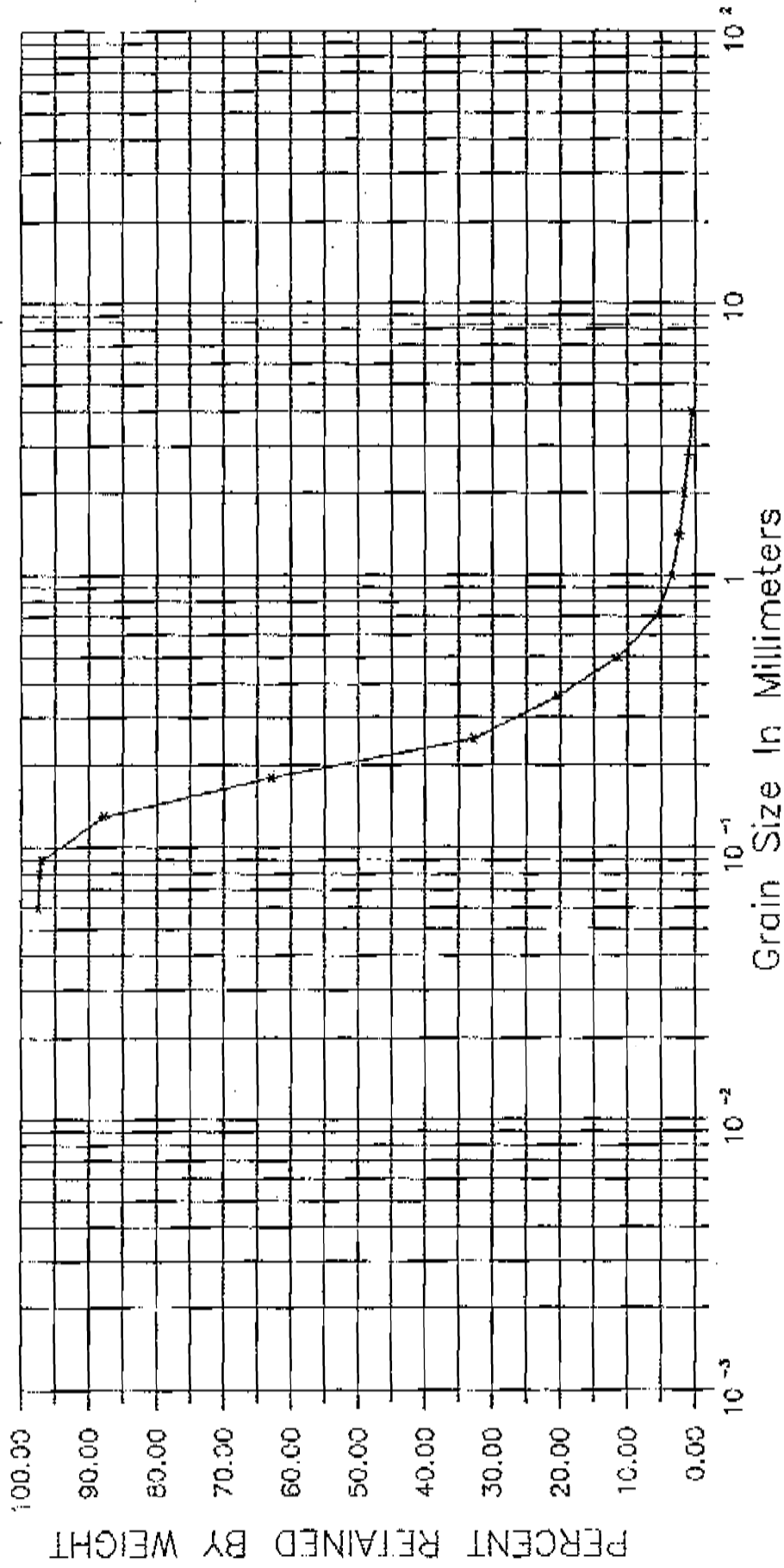


SILT OR CLAY	SAND		GRAVEL	
	FINE	MEDIUM	COARSE	FINE

SAMPLE NO.

20	MEAN	MEDIAN	SORTING
91			
	.18 mm	.19 mm	.41
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



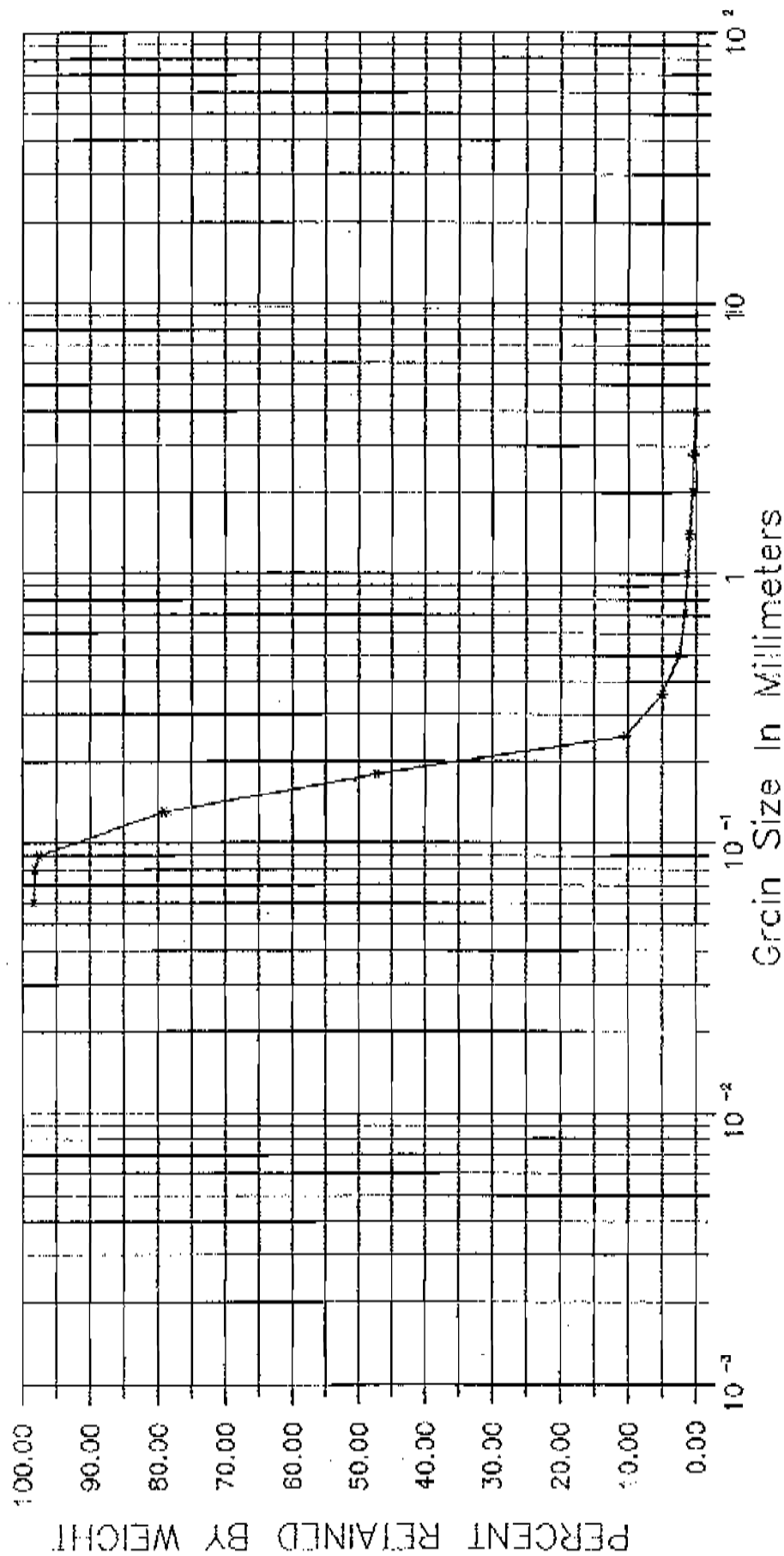
SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

MEAN	MEDIAN	SORTING
22.00	21.00	.81
GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	MED	UM	FINE	COARSE

SAMPLE NO.

CLASSIFICATION

20	MEAN	MEDIAN	SORTING
18'			
	.17mm	.18mm	.44
	GREY POORLY GRADED SAND - (SP)		