

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	16	17	17
SAMPLE DEPTH (FT)	18.0	3.0	7.0

U.S.C.S. DESCRIPTION	SP	SP	SP
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DRY SAMPLE WT (GRAMS)	195.21	237.02	246.91
SAMPLE WT AFTER WASH	191.92	235.01	242.53

SIEVE SIZE	PIU SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.17	0.09	99.91	0.00	0.00	100.00	2.85	1.15	98.85
7	-1.50	2.8	0.70	0.35	99.64	0.17	0.07	99.83	3.35	1.36	98.64
10	-1.00	2	1.35	0.69	99.31	0.50	0.21	99.79	4.56	1.85	98.15
14	-0.50	1.4	2.02	1.03	98.97	0.86	0.36	99.64	5.66	2.30	97.70
18	0.00	1	2.93	1.50	98.50	1.56	0.66	99.34	7.25	2.94	97.06
25	0.50	0.71	4.00	2.05	97.95	2.95	1.24	98.76	9.19	3.72	96.28
30	1.00	0.5	7.03	3.60	96.40	0.23	9.47	90.53	14.72	5.96	94.04
45	1.50	0.355	11.81	6.05	93.95	25.78	10.88	89.12	28.21	11.83	88.17
60	2.00	0.25	24.23	12.41	87.59	59.95	25.29	74.71	71.60	29.00	71.00
80	2.50	0.18	87.84	45.00	55.00	144.31	60.89	39.11	163.00	66.02	33.98
120	3.00	0.125	145.34	74.45	25.55	201.66	85.08	14.92	216.58	87.72	12.28
170	3.50	0.09	188.80	97.23	2.77	232.55	96.11	1.89	240.71	97.49	2.51
200	3.75	0.075	191.23	97.86	2.04	233.78	96.63	1.37	241.29	97.72	2.28
230	4.00	0.063	191.48	98.09	1.91	234.28	96.84	1.16	241.56	97.83	2.17
PAN			191.54	98.12		234.60	96.96		241.60	97.85	

SIEVE LOSS	0.88	0.41	0.83
WEIGHTED AVE(mm)	0.183	0.240	0.332
SILT-CLAY %	1.84	1.19	1.90

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

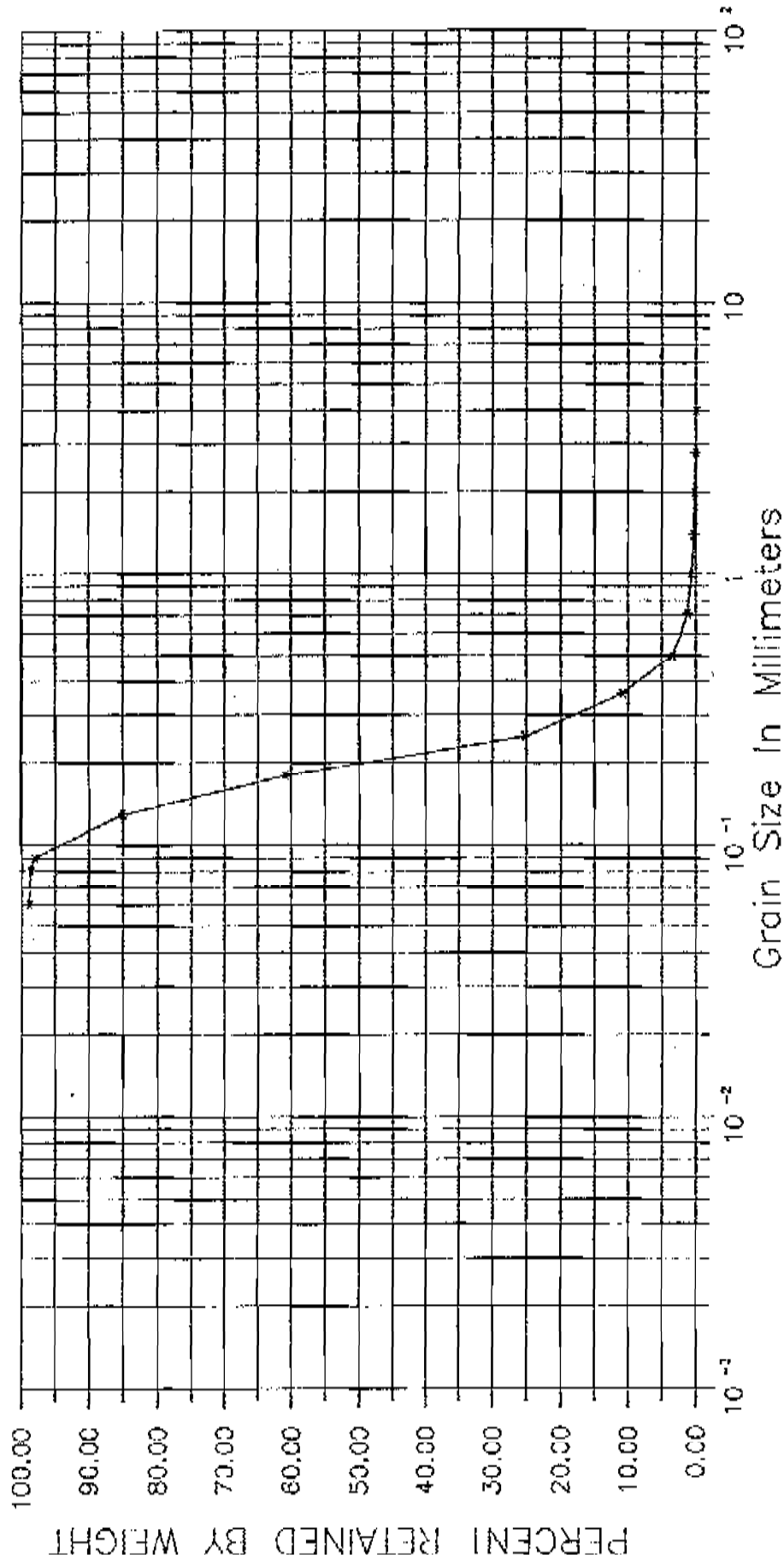
CORE NO.	17	17	18
SAMPLE DEPTH (FT)	13.0	17.0	2.0

U.S.C.S. DESCRIPTION	SP	SP	SP
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DRY SAMPLE WT (GRAMS)	253.7	243.43	388.58
SAMPLE WT AFTER WASH	249.73	240.89	382.88

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.87	0.34	99.66	2.22	0.91	99.09	0.84	0.21	99.79
7	-1.50	2.8	2.30	0.91	99.09	2.81	1.15	98.85	1.50	0.38	99.62
10	-1.00	2	9.11	1.23	98.77	3.49	1.43	98.57	2.14	0.54	99.46
14	-0.50	1.4	3.73	1.47	98.53	3.76	1.54	98.46	2.87	0.72	99.28
18	0.00	1	4.82	1.94	98.06	4.43	1.84	98.16	3.04	0.99	99.01
25	0.50	0.71	5.82	2.28	97.71	5.30	2.16	97.82	5.40	1.35	98.65
35	1.00	0.5	9.00	3.55	96.45	7.02	2.88	97.12	7.83	1.96	98.04
45	1.50	0.355	14.30	5.67	94.33	12.63	5.21	94.79	18.71	3.44	96.56
60	2.00	0.25	33.09	13.04	86.96	37.98	15.60	84.40	37.35	9.37	90.63
80	2.50	0.18	106.13	41.83	58.17	96.45	39.62	80.38	181.17	45.45	54.55
120	3.00	0.125	166.61	65.67	34.33	130.00	78.03	21.95	330.10	82.82	17.18
170	3.50	0.09	246.09	97.00	3.00	239.71	98.47	1.53	388.69	97.77	2.23
200	3.75	0.075	248.86	98.08	1.91	240.60	98.84	1.16	381.26	98.16	1.84
230	4.00	0.063	249.32	98.27	1.73	240.81	98.92	1.08	381.41	98.20	1.80
PAN			249.52	98.35		240.90	98.96		381.88	98.32	
SIEVE LOSS			0.21			0.09			1.11		
WEIGHTED AVE(mm)			0.193			0.198			0.276		
SILT CLAY %			1.02			1.13			1.56		

MECHANICAL ANALYSIS CHART

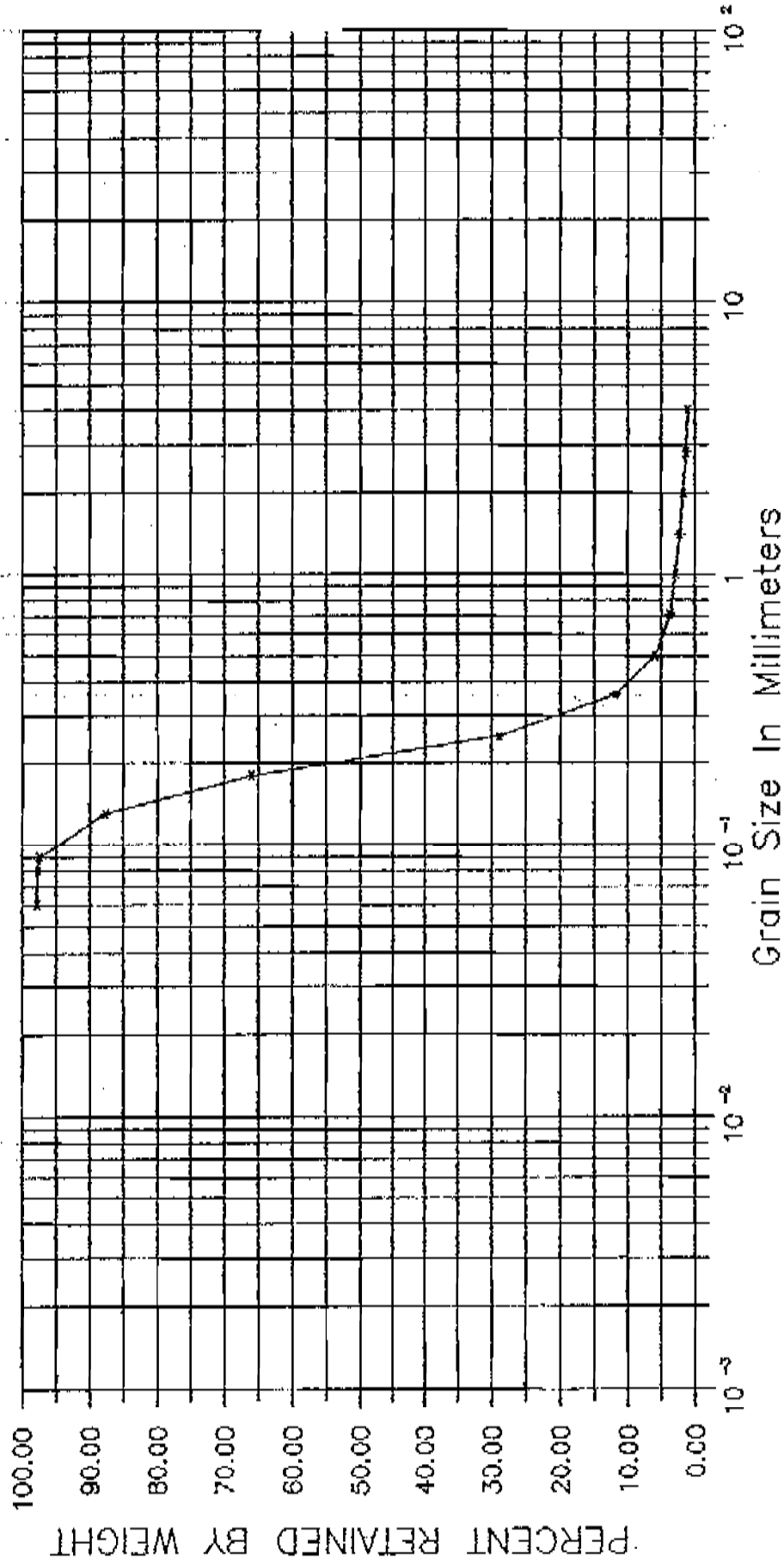


SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

17	MEAN	MEDIAN	SORTING
31	2.1mm	2.0mm	1.62
	20mm	20mm	1.03
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART

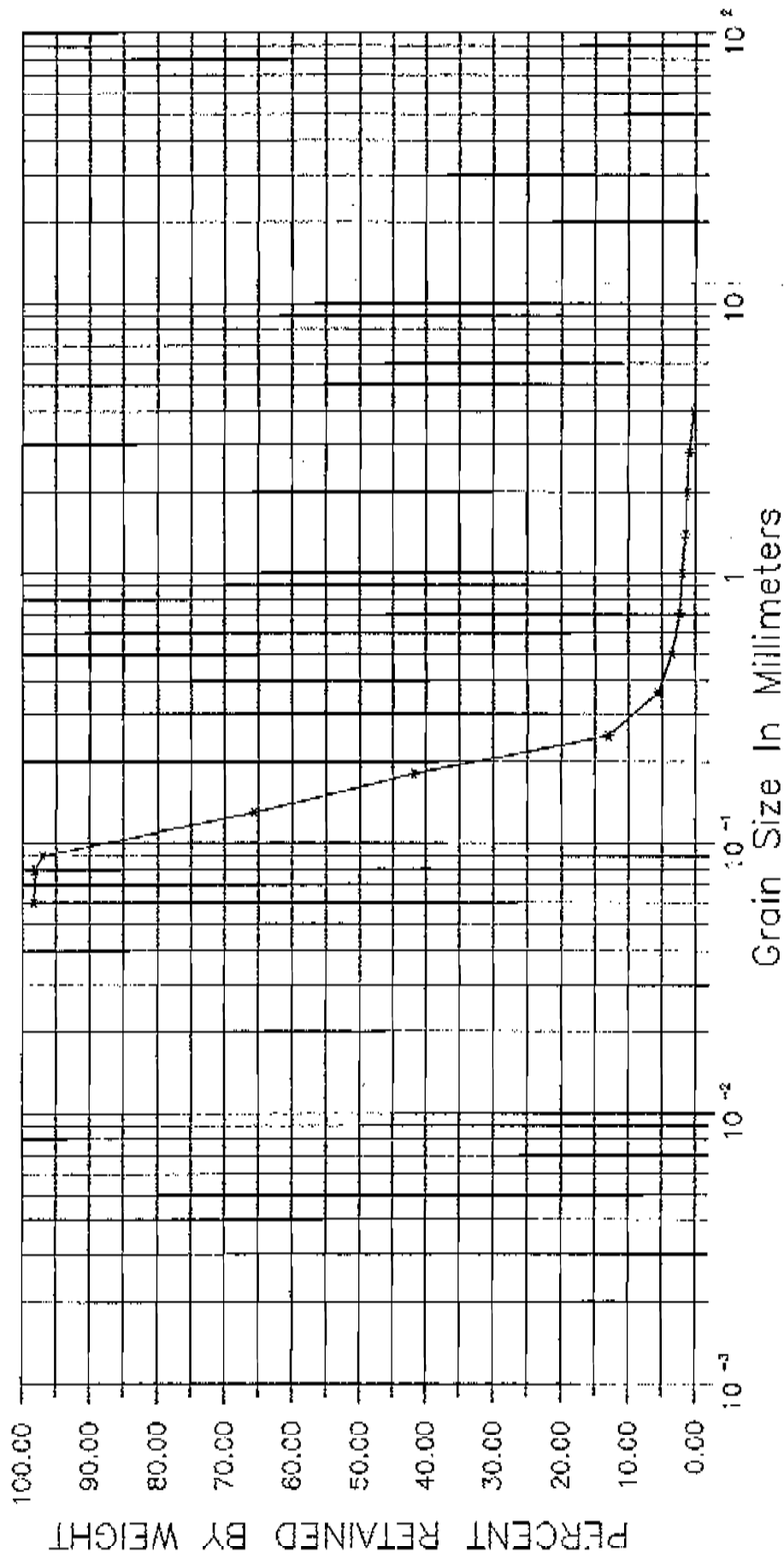


SILT OR CLAY	GRAVEL			
	FINE	MEDIUM	COARSE	COARSE

SAMPLE NO. CLASSIFICATION

17	MEAN	MEDIAN	SORTING
71	22mm	75mm	59
	20mm	20mm	100
	BROWN POORLY GRADED SAND & SCATTERED SHELL (SP)		

MECHANICAL ANALYSIS CHART

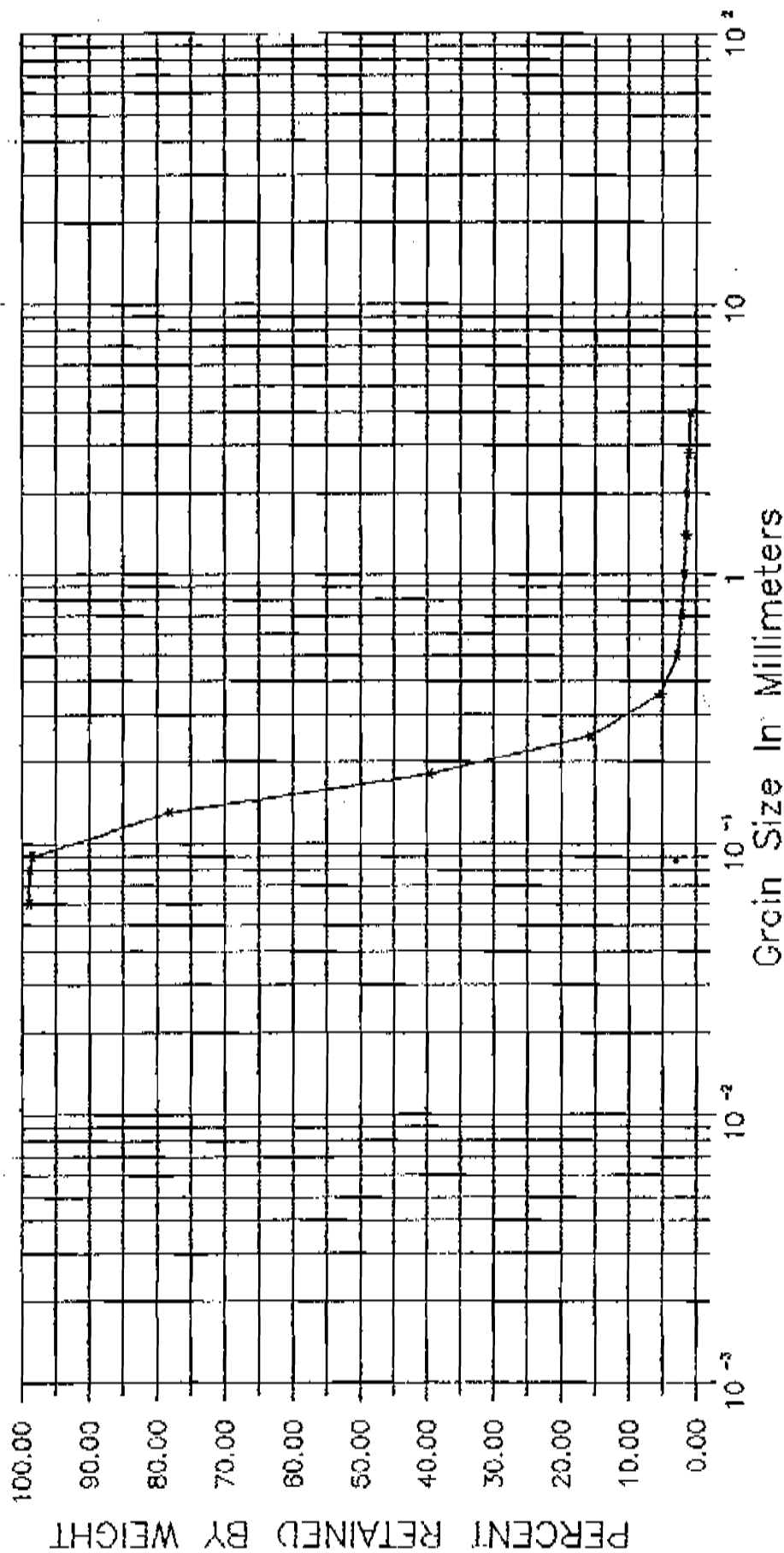


SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

17	MEAN	MEDIAN	SORTING
13	17mm	17mm	3.4
	10mm	10mm	1.0
	POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



SILT OR CLAY	SAND			GRAVEL	
	FINE	MEDIUM	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

17	NEAN	MEDIAN	SORTING
71	0.25 mm	0.25 mm	0.59 mm
	0.17 mm	0.17 mm	0.47
	GREY POORLY GRADED SAND - (SP)		