

GRADATION ANALYSIS REPORT
PALM BEACH VIBROCORE SAMPLES DECEMBER 1987

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

CORE NO.	10					11						11	
SAMPLE DEPTH (FT)	19.0					3.0						9.0	
U.S.C.S.	SP					SP						SP	
DESCRIPTION													
DRY SAMPLE WT (GRAMS)	235.12					253.25						210.10	
SAMPLE WT AFTER WASH	231.56					259.35						205.48	
SIEVE	PHI	MESH											
SIZE	SIZE	SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS		
5	-2.00	4	0.50	0.21	99.79	"	0.08	0.03	99.97	"	0.00	0.00	100.00
7	-1.50	2.8	0.98	0.42	99.58	"	0.50	0.19	99.81	"	0.02	0.01	99.99
10	-1.00	2	1.72	0.73	99.27	"	1.15	0.44	99.56	"	0.08	0.04	99.96
14	-0.50	1.4	2.19	0.93	99.07	"	1.77	0.67	99.33	"	0.17	0.08	99.92
18	0.00	1	3.21	1.37	98.63	"	3.62	1.00	99.00	"	0.26	0.12	99.88
25	0.50	0.71	4.26	1.81	98.19	"	3.67	1.88	98.81	"	0.37	0.18	99.82
35	1.00	0.5	6.89	2.83	97.07	"	5.32	2.81	97.79	"	0.60	0.38	99.62
45	1.50	0.355	18.07	7.69	92.31	"	14.92	5.67	94.33	"	2.18	1.04	98.96
60	2.00	0.25	52.03	22.13	77.07	"	57.77	21.94	76.06	"	7.15	3.40	96.60
80	2.50	0.18	144.89	61.62	38.38	"	191.28	72.66	27.34	"	93.89	44.89	55.81
120	3.00	0.125	204.51	86.88	13.02	"	241.60	91.78	8.22	"	168.26	80.08	19.91
170	3.50	0.09	230.52	96.04	1.96	"	258.62	96.24	1.76	"	203.56	88.88	3.11
200	3.75	0.075	231.08	98.28	1.72	"	259.28	98.48	1.52	"	204.92	97.53	2.47
230	4.00	0.063	231.81	98.38	1.62	"	259.29	98.50	1.50	"	205.10	97.62	2.38
PAN			231.38	98.41		"	259.32	98.51		"	205.35	97.74	
SIEVE LOSS	0.18					0.03				0.12			
WEIGHTED AVE(mm)	0.207					0.202				0.151			
SILT-CLAY %	1.64					1.50				2.41			

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

ENVIRONMENTAL STATION NATURAL SOIL FILL SAMPLES PIT SAMPLES

CORE NO.	11	11	12
SAMPLE DEPTH (FT)	14.0	18.0	4.0

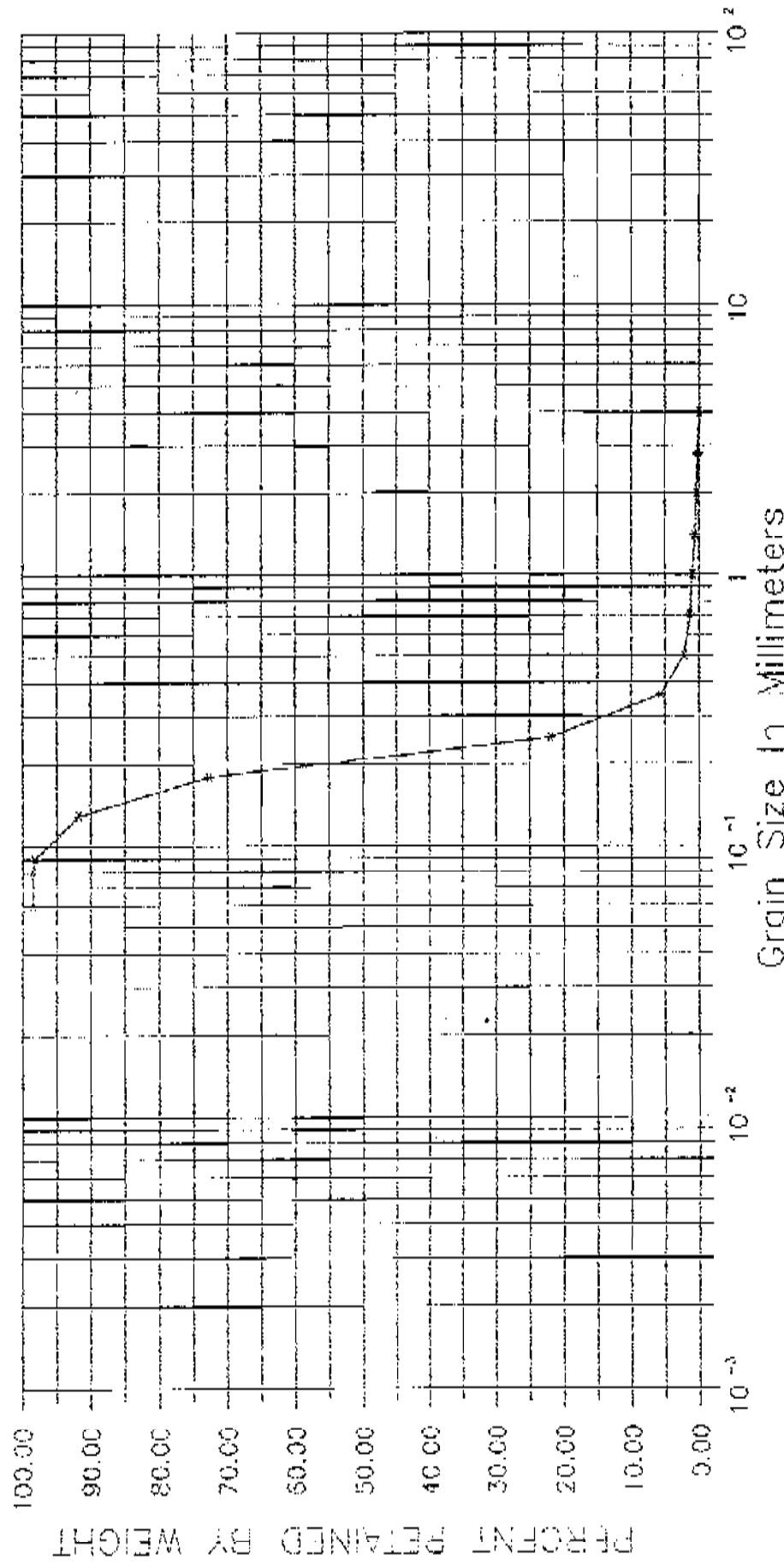
U.S.C.S. DESCRIPTION	SP	SP	SP
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DRY SAMPLE WT (GRAMS)	252.71	221.75	228.62
SAMPLE WT AFTER WASH	248.32	215.51	223.72

SIEVE SIZE	FILL SIZE	MESH SIZE (mm)	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS	GRAMS	% RET.	% PASS
5	-2.00	4	0.39	0.15	99.85	0.00	0.00	100.00	0.00	0.13	99.87
7	-1.50	2.8	0.50	0.20	99.80	0.34	0.15	99.85	0.30	0.13	99.87
10	-1.00	2	0.72	0.28	99.72	1.08	0.48	99.51	0.42	0.18	99.82
14	-0.50	1.4	1.05	0.42	99.58	2.20	0.98	99.01	0.50	0.22	99.78
18	0.00	1	1.90	0.75	99.25	3.84	1.64	98.36	0.71	0.31	99.69
25	0.50	0.71	3.13	1.24	98.76	5.86	2.64	97.36	1.82	0.80	99.20
30	1.00	0.5	5.53	2.19	97.81	10.82	4.38	95.12	5.34	2.34	97.65
45	1.50	0.355	8.82	3.49	96.51	22.81	10.28	89.71	24.87	10.88	89.12
50	2.00	0.25	33.80	13.38	86.62	61.04	27.58	72.47	68.87	30.17	69.83
80	2.50	0.18	148.71	59.24	40.76	134.59	60.68	39.31	128.00	55.14	44.85
120	3.00	0.125	217.61	86.11	13.89	192.25	85.70	13.30	193.31	85.43	14.57
170	3.50	0.09	246.45	97.52	2.48	215.21	97.03	2.95	224.26	98.09	1.91
200	3.75	0.075	247.55	97.96	2.04	215.80	97.62	2.38	225.00	98.42	1.58
280	4.00	0.063	247.81	98.06	1.94	215.10	97.45	2.55	225.40	98.59	1.41
PAN			248.00	98.14		216.24	97.52		225.47	98.62	

SIEVE LOSS	0.32	0.27	0.25
WEIGHTED AVE (mm)	0.182	0.212	0.195
SILT CLAY %	1.82	2.36	1.47

MECHANICAL ANALYSIS CHART

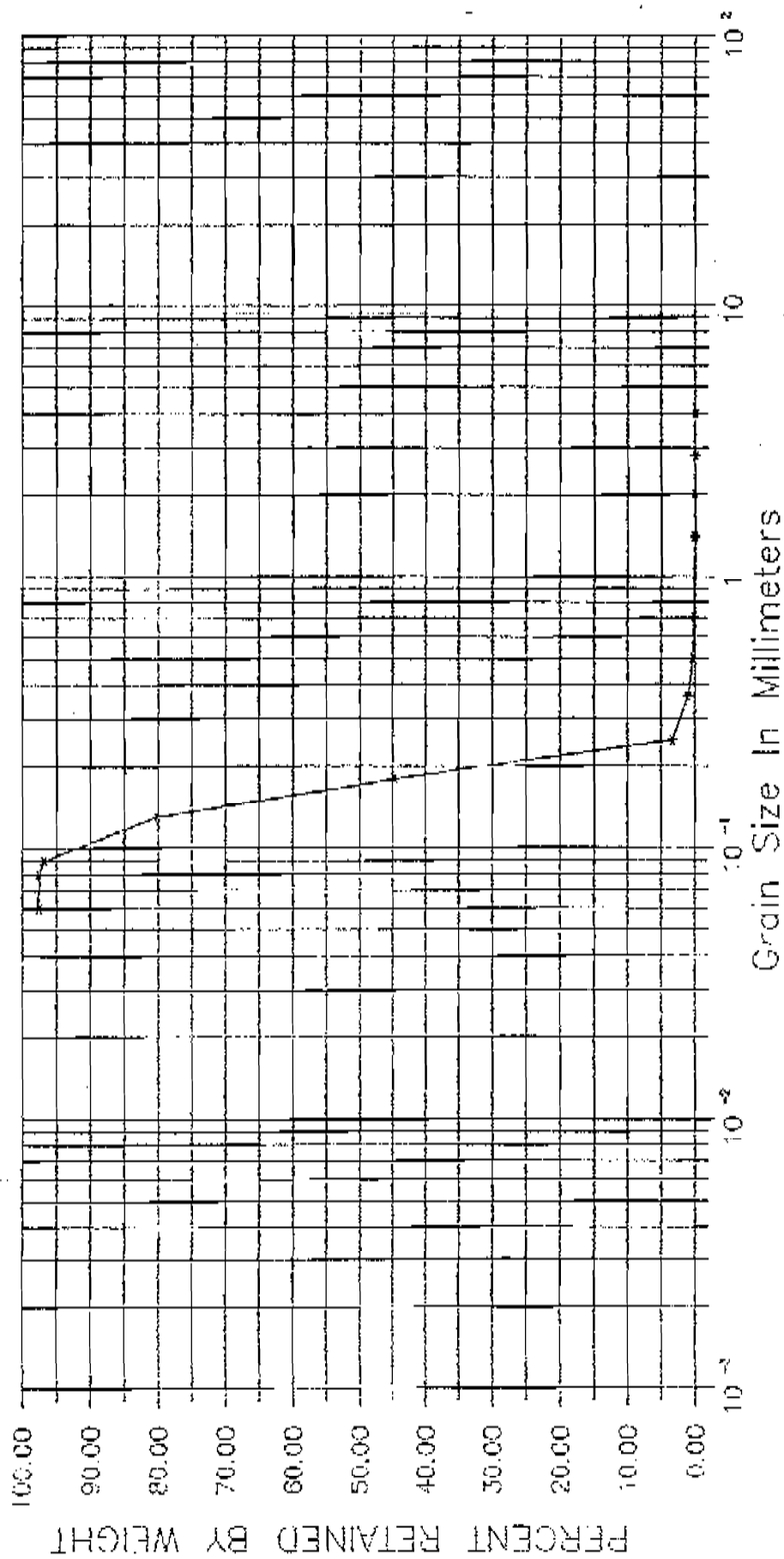


SILT OR CLAY	SAND		GRAVEL	
	FINE	COARSE	FINE	COARSE

SAMPLE NO. CLASSIFICATION

11	MEAN	MEDIAN	SORTING
31	2.1mm	2.1mm	4.5
	2.1mm	2.1mm	4.5
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART

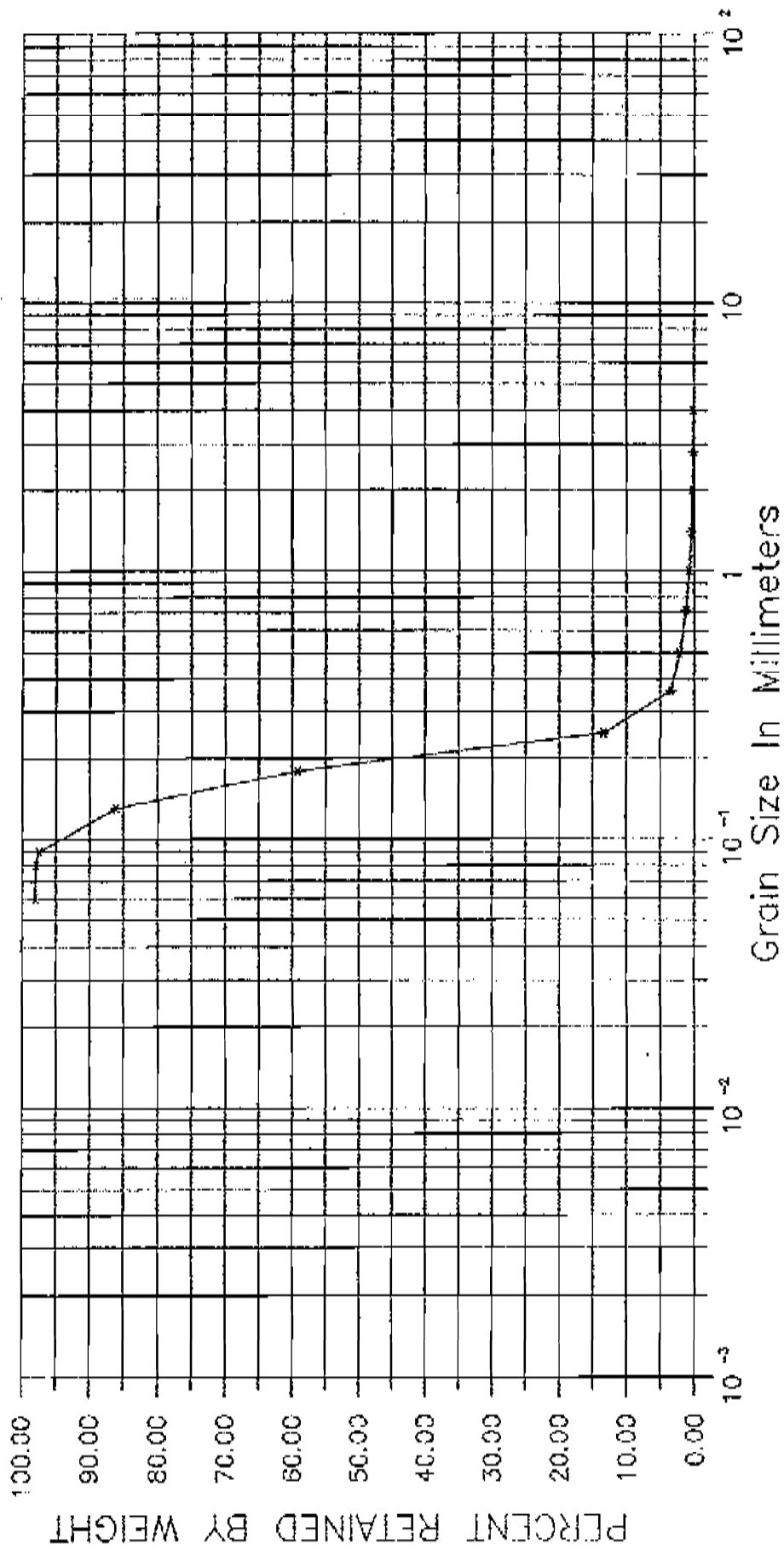


SILT OR CLAY		SAND		GRAVEL	
FINE	COARSE	FINE	COARSE	FINE	COARSE

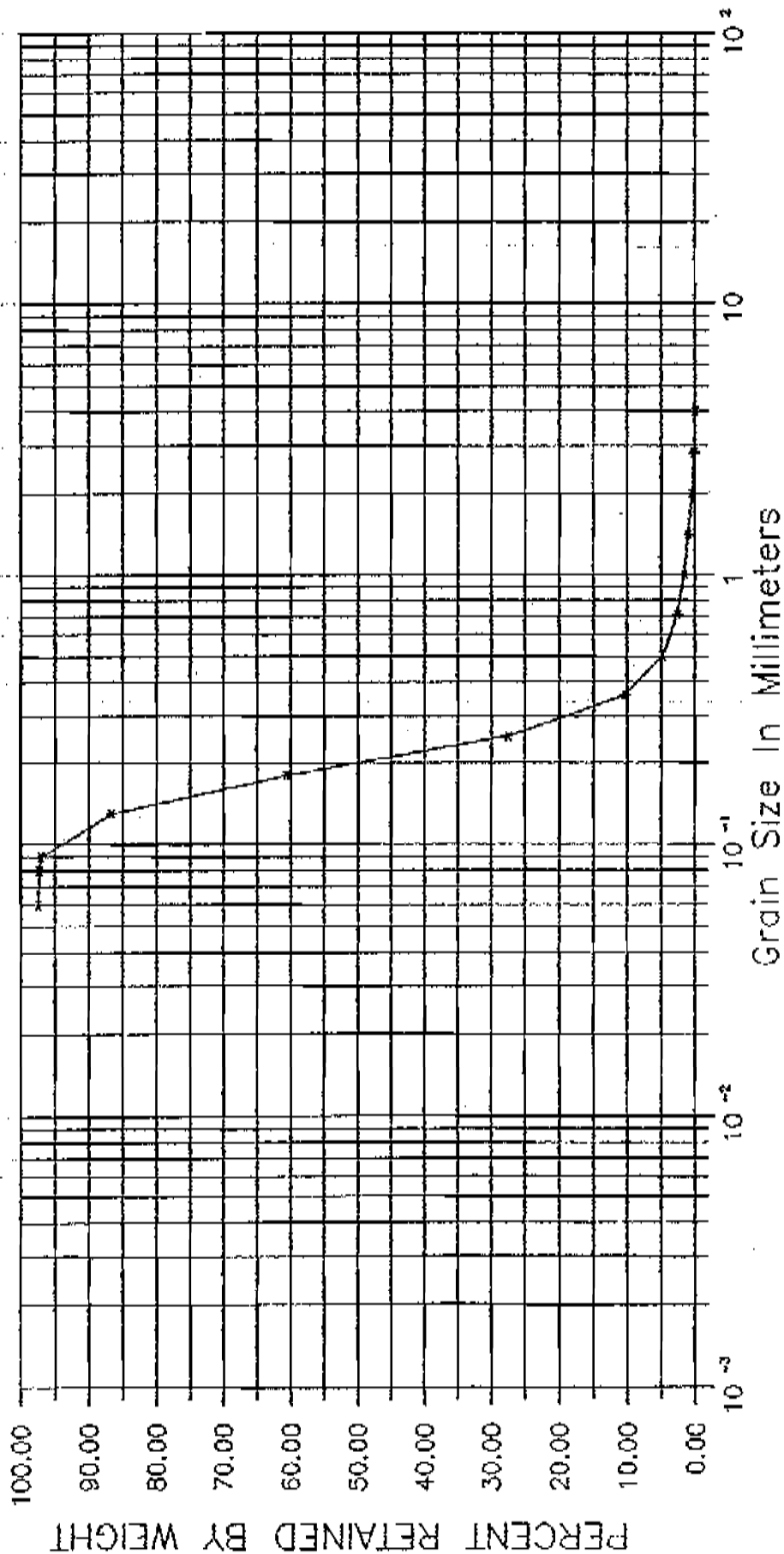
SAMPLE NO. CLASSIFICATION

1"	MEAN	MEDIAN	SORTING
91	0.17mm	0.425mm	1.4
	0.17mm	0.425mm	1.4
	GREY POORLY GRADED SAND - (SP)		

MECHANICAL ANALYSIS CHART



MECHANICAL ANALYSIS CHART



SILT OR CLAY	GRAVEL			
	FINE	MEDIUM	COARSE	COARSE

CLASSIFICATION

SAMPLE NO.	MEAN	MEDIAN	SORTING
18	0.25 mm	0.25 mm	0.63
	GREY POORLY GRADED SAND & SHELL FRAGMENTS - (SP)		