

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99 46#1
 SAMPLE ELEV. (FT. NGVD): -33.6
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 153.25
 SAMPLE WEIGHT AFTER WASH (GRAMS): 146.78

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	1.04	0.68	99.32
7	-1.50	2.800	1.80	1.17	98.83
10	-1.00	2.000	2.97	1.94	98.06
14	-0.50	1.400	4.35	2.84	97.16
18	0.00	1.000	5.60	3.65	96.35
25	0.50	0.710	7.10	4.63	95.37
35	1.00	0.500	9.64	6.29	93.71
45	1.50	0.355	13.59	8.87	91.13
60	2.00	0.250	21.72	14.17	85.83
80	2.50	0.180	43.72	28.53	71.47
120	3.00	0.125	107.99	70.47	29.53
170	3.50	0.090	145.05	94.65	5.35
200	3.75	0.075	146.44	95.56	4.44
230	4.00	0.063	149.91	97.82	2.18
PAN			153.23	99.99	0.01

PHI(5): 0.61 PHI(16): 2.06 PHI(25): 2.38
 PHI(50): 2.76 PHI(75): 3.09 PHI(84): 3.28
 PHI(95): 3.60

SIEVE LOSS(g): 0.02 SILT/CLAY: 4.44%
 SKEWNESS: -1.073 KURTOSIS: 1.708

GRAPHIC METHOD

MEAN (PHI): 2.46 SORTING: 0.61
 MEAN (mm) : 0.18 MEDIAN (mm): 0.15
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.53 SORTING: 0.97
 MEAN (mm) : 0.17

DATA FILE NAME: VC99-46#1.TAB

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 46#2
 SAMPLE ELEV. (FT. NGVD): -35.3
 SAMPLE DEPTH (FT.): 5.7
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 177.61
 SAMPLE WEIGHT AFTER WASH (GRAMS): 175.22

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.65	0.37	99.63
7	-1.50	2.800	1.40	0.79	99.21
10	-1.00	2.000	2.89	1.63	98.37
14	-0.50	1.400	4.96	2.79	97.21
18	0.00	1.000	7.56	4.26	95.74
25	0.50	0.710	11.78	6.63	93.37
35	1.00	0.500	20.99	11.82	88.18
45	1.50	0.355	39.67	22.34	77.66
60	2.00	0.250	70.73	39.82	60.18
80	2.50	0.180	108.48	61.08	38.92
120	3.00	0.125	156.53	88.13	11.87
170	3.50	0.090	174.40	98.19	1.81
200	3.75	0.075	175.02	98.54	1.46
230	4.00	0.063	176.33	99.28	0.72
PAN			177.60	99.99	0.01

PHI (5): 0.16 PHI (16): 1.20 PHI (25): 1.58
 PHI (50): 2.24 PHI (75): 2.76 PHI (84): 2.92
 PHI (95): 3.34

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.46%
 SKEWNESS: -0.569 KURTOSIS: 1.105

GRAPHIC METHOD

MEAN (PHI): 1.97 SORTING: 0.86
 MEAN (mm): 0.25 MEDIAN (mm): 0.21
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.05 SORTING: 0.99
 MEAN (mm): 0.24

DATA FILE NAME: VC99-46#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99 46#3
SAMPLE ELEV. (FT. NGVD): -36.6
SAMPLE DEPTH (FT.): 7.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 138.43
SAMPLE WEIGHT AFTER WASH (GRAMS): 135.57

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.29	0.21	99.79
7	-1.50	2.800	0.51	0.37	99.63
10	-1.00	2.000	0.69	0.50	99.50
14	-0.50	1.400	1.05	0.76	99.24
18	0.00	1.000	1.75	1.26	98.74
25	0.50	0.710	2.80	2.02	97.98
35	1.00	0.500	4.20	3.03	96.97
45	1.50	0.355	5.44	3.93	96.07
60	2.00	0.250	7.29	5.27	94.73
80	2.50	0.180	12.40	8.96	91.04
120	3.00	0.125	77.06	55.67	44.33
170	3.50	0.090	123.23	89.02	10.98
200	3.75	0.075	135.29	97.73	2.27
230	4.00	0.063	136.75	98.79	1.21
PAN			138.44	100.01	-0.01

PHI (5): 1.90 PHI (16): 2.58 PHI (25): 2.67
PHI (50): 2.94 PHI (75): 3.29 PHI (84): 3.42
PHI (95): 3.67

SIEVE LOSS (g): -0.01 SILT/CLAY: 2.27%
SKEWNESS: -0.361 KURTOSIS: 1.174

GRAPHIC METHOD

MEAN (PHI): 2.90 SORTING: 0.42
MEAN (mm) : 0.13 MEDIAN (mm) : 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.69
MEAN (mm) : 0.14

DATA FILE NAME: VC99-46#3.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99 46#4
SAMPLE ELEV. (FT. NGVD): -48.1
SAMPLE DEPTH (FT.): 18.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 227.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 224.85

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.00	16.000	0.00	0.00	100.00
5/16	-3.00	8.000	0.00	0.00	100.00
5	-2.00	4.000	0.35	0.15	99.85
7	-1.50	2.800	0.36	0.16	99.84
10	-1.00	2.000	0.42	0.18	99.82
14	-0.50	1.400	0.54	0.24	99.76
18	0.00	1.000	0.68	0.30	99.70
25	0.50	0.710	0.90	0.39	99.61
35	1.00	0.500	1.52	0.67	99.33
45	1.50	0.355	3.04	1.33	98.67
60	2.00	0.250	9.17	4.02	95.98
80	2.50	0.180	38.95	17.09	82.91
120	3.00	0.125	151.81	66.61	33.39
170	3.50	0.090	222.90	97.80	2.20
200	3.75	0.075	224.45	98.48	1.52
230	4.00	0.063	226.30	99.29	0.71
PAN			227.89	99.99	0.01

PHI(5): 2.04 PHI(16): 2.46 PHI(25): 2.58
PHI(50): 2.83 PHI(75): 3.13 PHI(84): 3.28
PHI(95): 3.46

SIEVE LOSS (g): 0.02 SILT/CLAY: 1.52%
SKEWNESS: -0.210 KURTOSIS: 1.048

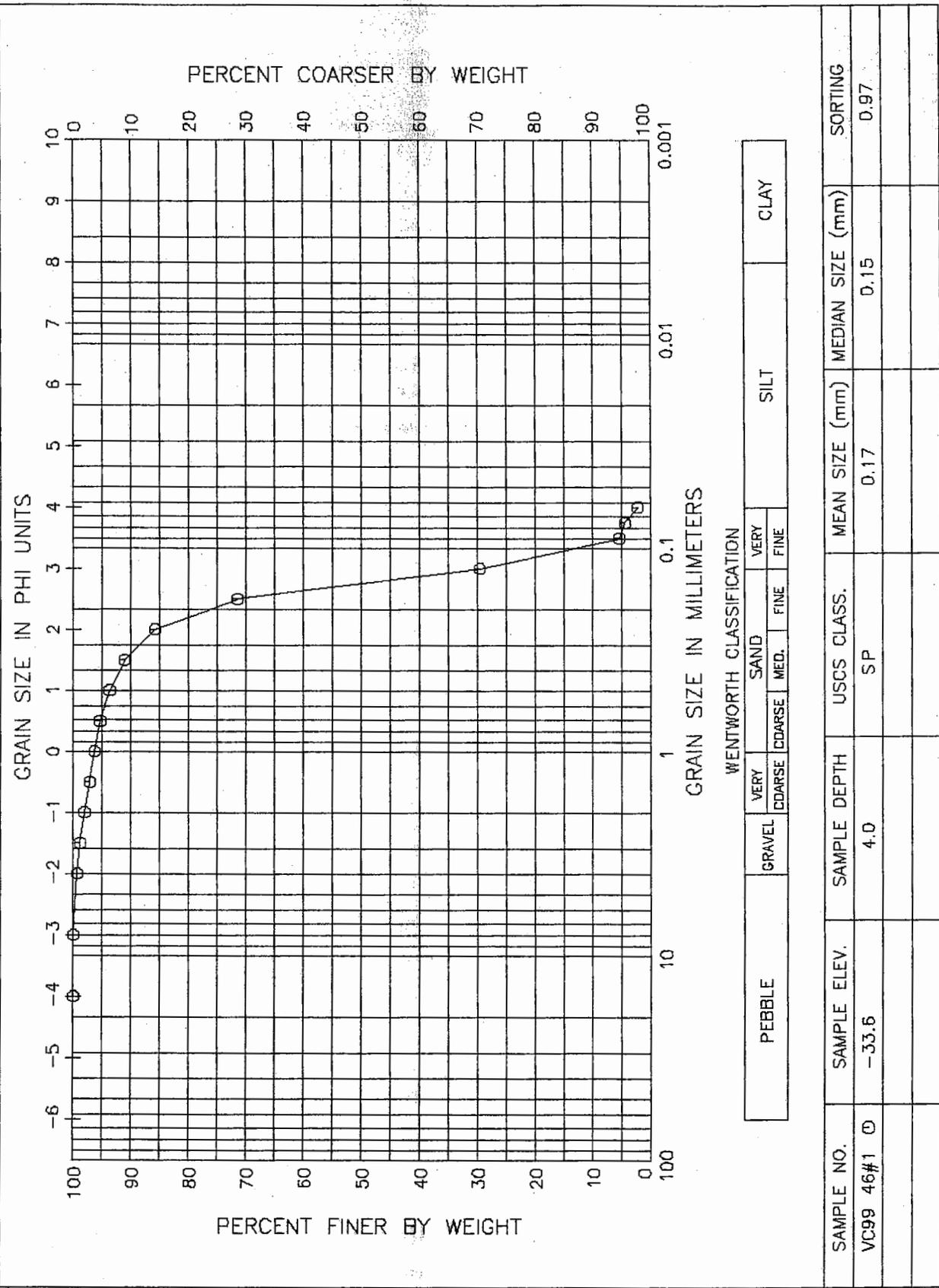
GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.41
MEAN (mm) : 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

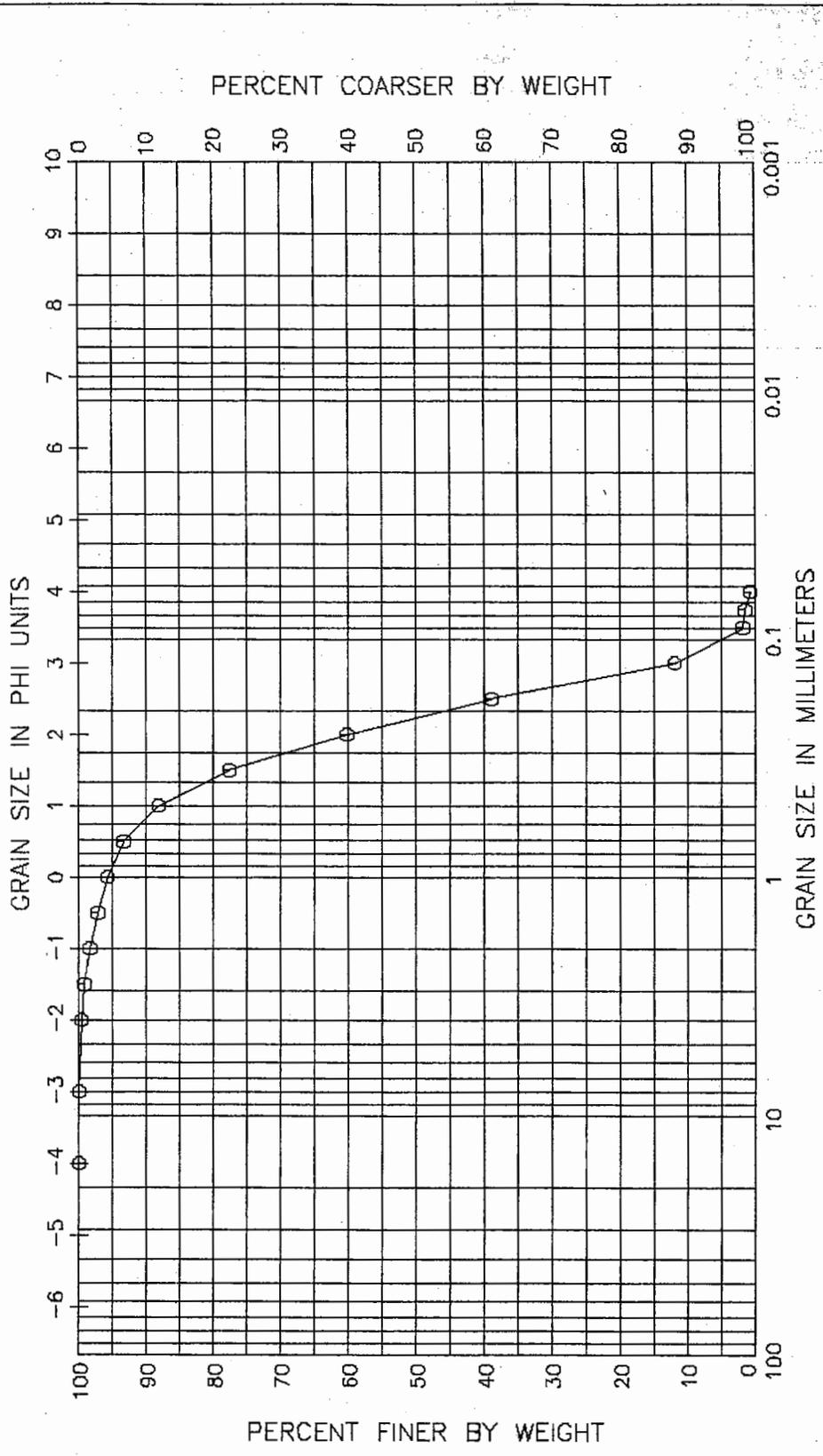
MOMENT METHOD

MEAN (PHI): 2.80 SORTING: 0.49
MEAN (mm) : 0.14

DATA FILE NAME: VC99-46#4.TAB



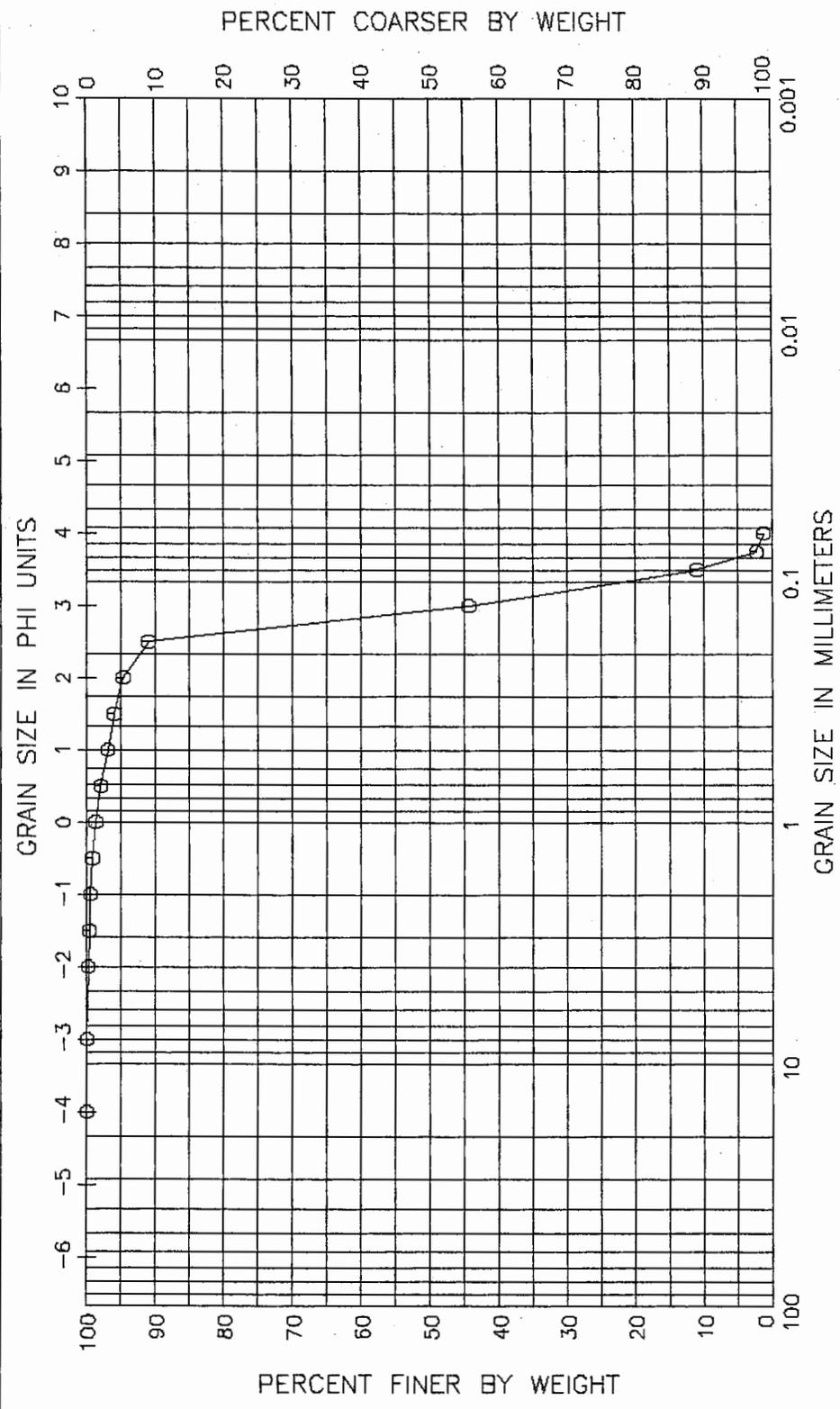
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



PEBBLE	WENTWORTH CLASSIFICATION				SILT	CLAY
	VERY COARSE	SAND COARSE	SAND MED.	SAND FINE		

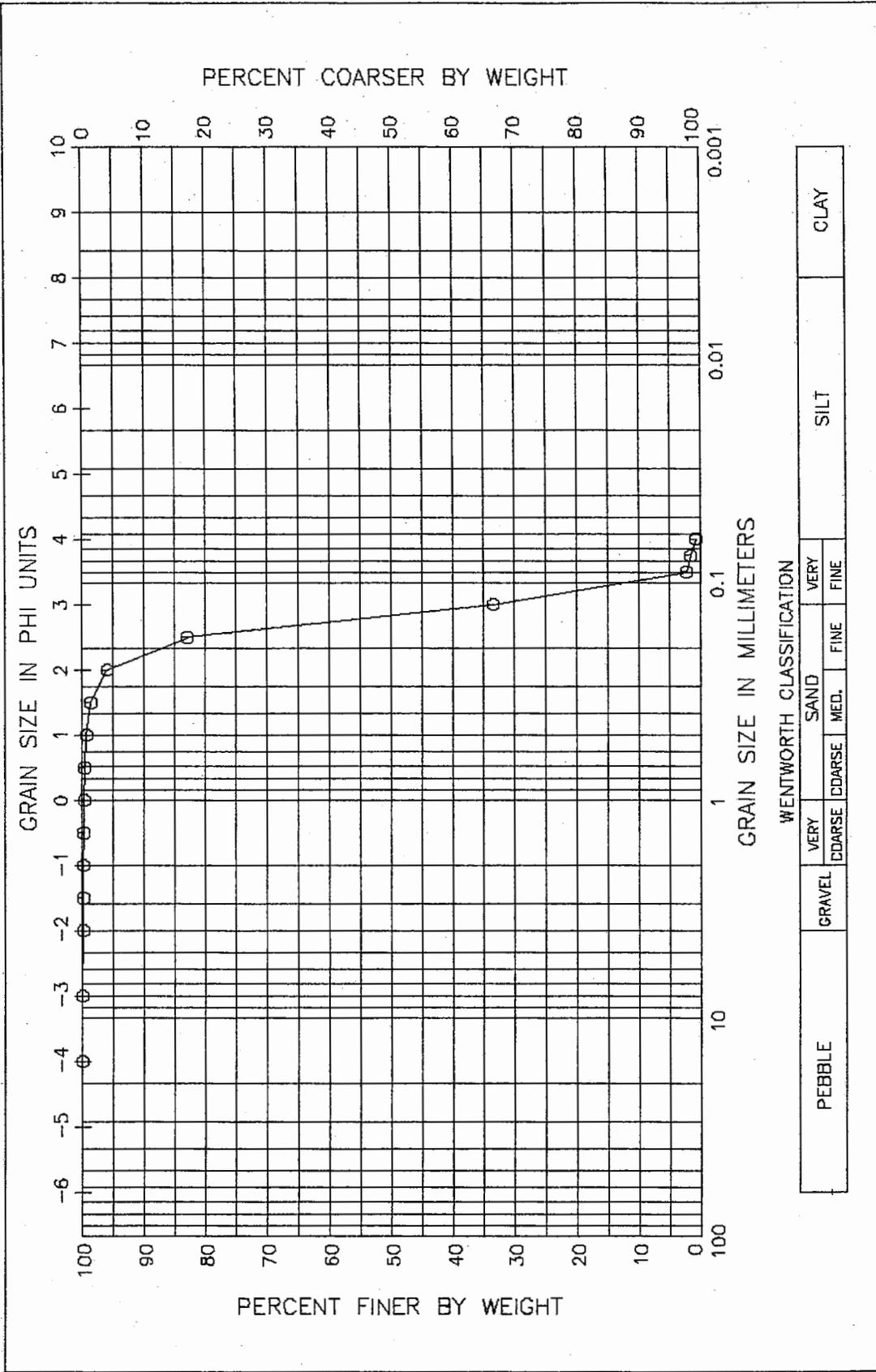
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 46#2	-35.3	5.7	SP	0.24	0.21	0.99

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 46#3	-36.6	7.0	SP	0.14	0.13	0.69

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH