

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 72#1
SAMPLE ELEV. (FT. NGVD): -37.3
SAMPLE DEPTH (FT.): 3.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 194.84
SAMPLE WEIGHT AFTER WASH (GRAMS): 192.93

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	0.25	0.13	99.87
7	-1.50	2.800	0.36	0.18	99.82
10	-1.00	2.000	0.66	0.34	99.66
14	-0.50	1.400	1.67	0.86	99.14
18	0.00	1.000	2.90	1.49	98.51
25	0.50	0.710	5.21	2.67	97.33
35	1.00	0.500	9.29	4.77	95.23
45	1.50	0.355	14.09	7.23	92.77
60	2.00	0.250	22.13	11.36	88.64
80	2.50	0.180	42.17	21.64	78.36
120	3.00	0.125	129.13	66.27	33.73
170	3.50	0.090	191.84	98.46	1.54
200	3.75	0.075	192.79	98.95	1.05
230	4.00	0.063	193.88	99.51	0.49
PAN			194.84	100.00	0.00

PHI(5): 1.05 PHI(16): 2.23 PHI(25): 2.54
PHI(50): 2.82 PHI(75): 3.14 PHI(84): 3.28
PHI(95): 3.45

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.05%
SKEWNESS: -1.088 KURTOSIS: 1.644

GRAPHIC METHOD

MEAN (PHI): 2.56 SORTING: 0.52
MEAN (mm) : 0.17 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.67 SORTING: 0.75
MEAN (mm) : 0.16

DATA FILE NAME: VC99-72#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 72#2
SAMPLE ELEV. (FT. NGVD): -38.7
SAMPLE DEPTH (FT.): 4.4
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 181.01
SAMPLE WEIGHT AFTER WASH (GRAMS): 179.92

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	2.24	1.24	98.76
5	-2.00	4.000	3.68	2.03	97.97
7	-1.50	2.800	5.58	3.08	96.92
10	-1.00	2.000	9.27	5.12	94.88
14	-0.50	1.400	17.49	9.66	90.34
18	0.00	1.000	28.86	15.94	84.06
25	0.50	0.710	48.08	26.56	73.44
35	1.00	0.500	84.69	46.79	53.21
45	1.50	0.355	111.36	61.52	38.48
60	2.00	0.250	122.76	67.82	32.18
80	2.50	0.180	134.44	74.27	25.73
120	3.00	0.125	162.92	90.01	9.99
170	3.50	0.090	179.44	99.13	0.87
200	3.75	0.075	179.86	99.36	0.64
230	4.00	0.063	180.44	99.69	0.31
PAN			181.01	100.00	0.00

PHI(5): -1.03 PHI(16): 0.00 PHI(25): 0.43
PHI(50): 1.11 PHI(75): 2.52 PHI(84): 2.81
PHI(95): 3.27

SIEVE LOSS(g): 0.00 SILT/CLAY: 0.64%
SKEWNESS: 0.009 KURTOSIS: 0.841

GRAPHIC METHOD

MEAN (PHI): 1.23 SORTING: 1.40
MEAN (mm) : 0.43 MEDIAN (mm) : 0.46
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.22 SORTING: 1.39
MEAN (mm) : 0.43

DATA FILE NAME: VC99-72#2.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 72#3
SAMPLE ELEV. (FT. NGVD): -43.3
SAMPLE DEPTH (FT.): 9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 186.03
SAMPLE WEIGHT AFTER WASH (GRAMS): 182.28

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	0.05	0.03	99.97
7	-1.50	2.800	0.21	0.11	99.89
10	-1.00	2.000	0.53	0.28	99.72
14	-0.50	1.400	0.95	0.51	99.49
18	0.00	1.000	1.35	0.73	99.27
25	0.50	0.710	1.81	0.97	99.03
35	1.00	0.500	2.63	1.41	98.59
45	1.50	0.355	3.79	2.04	97.96
60	2.00	0.250	7.85	4.22	95.78
80	2.50	0.180	25.74	13.84	86.16
120	3.00	0.125	113.02	60.75	39.25
170	3.50	0.090	179.58	96.53	3.47
200	3.75	0.075	181.67	97.66	2.34
230	4.00	0.063	183.96	98.89	1.11
PAN			186.02	99.99	0.01

PHI (5): 2.04 PHI (16): 2.52 PHI (25): 2.62
PHI (50): 2.89 PHI (75): 3.20 PHI (84): 3.32
PHI (95): 3.48

SIEVE LOSS (g): 0.01 SILT/CLAY: 2.34%
SKEWNESS: -0.314 KURTOSIS: 1.016

GRAPHIC METHOD

MEAN (PHI): 2.85 SORTING: 0.40
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83 SORTING: 0.55
MEAN (mm): 0.14

DATA FILE NAME: VC99-72#3.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
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SAMPLE NO.: VC99 72#4
SAMPLE ELEV. (FT. NGVD): -50.8
SAMPLE DEPTH (FT.): 16.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 196.05
SAMPLE WEIGHT AFTER WASH (GRAMS): 192.59

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	0.44	0.22	99.78
7	-1.50	2.800	0.63	0.32	99.68
10	-1.00	2.000	1.01	0.52	99.48
14	-0.50	1.400	1.61	0.82	99.18
18	0.00	1.000	2.42	1.23	98.77
25	0.50	0.710	3.53	1.80	98.20
35	1.00	0.500	5.51	2.81	97.19
45	1.50	0.355	8.05	4.11	95.89
60	2.00	0.250	14.62	7.46	92.54
80	2.50	0.180	32.91	16.79	83.21
120	3.00	0.125	126.30	64.42	35.58
170	3.50	0.090	191.18	97.52	2.48
200	3.75	0.075	192.25	98.06	1.94
230	4.00	0.063	194.27	99.09	0.91
PAN			196.04	99.99	0.01

PHI (5): 1.63 PHI (16): 2.46 PHI (25): 2.59
PHI (50): 2.85 PHI (75): 3.16 PHI (84): 3.30
PHI (95): 3.46

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.94%
SKEWNESS: -0.718 KURTOSIS: 1.307

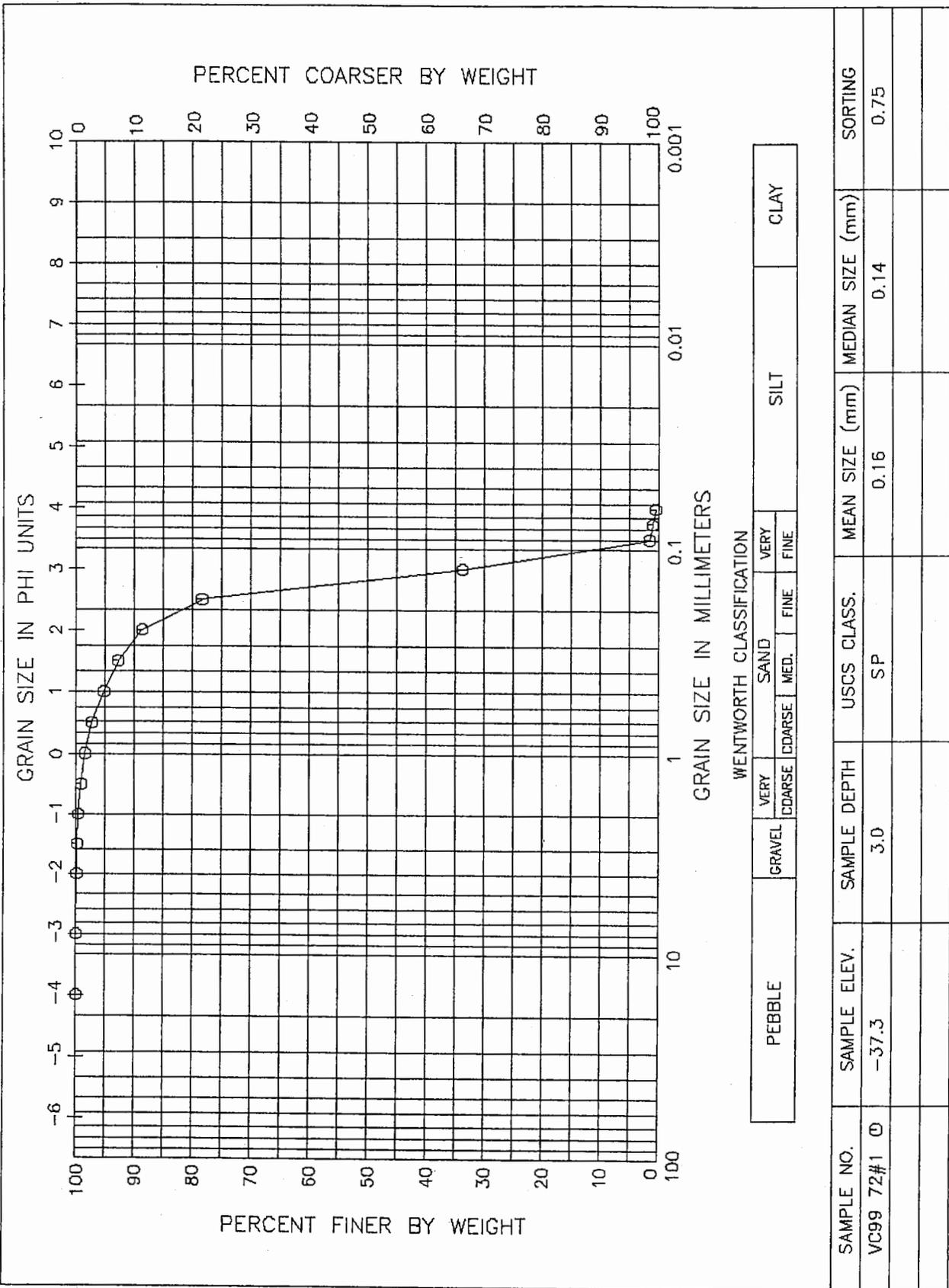
GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.42
MEAN (mm) : 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

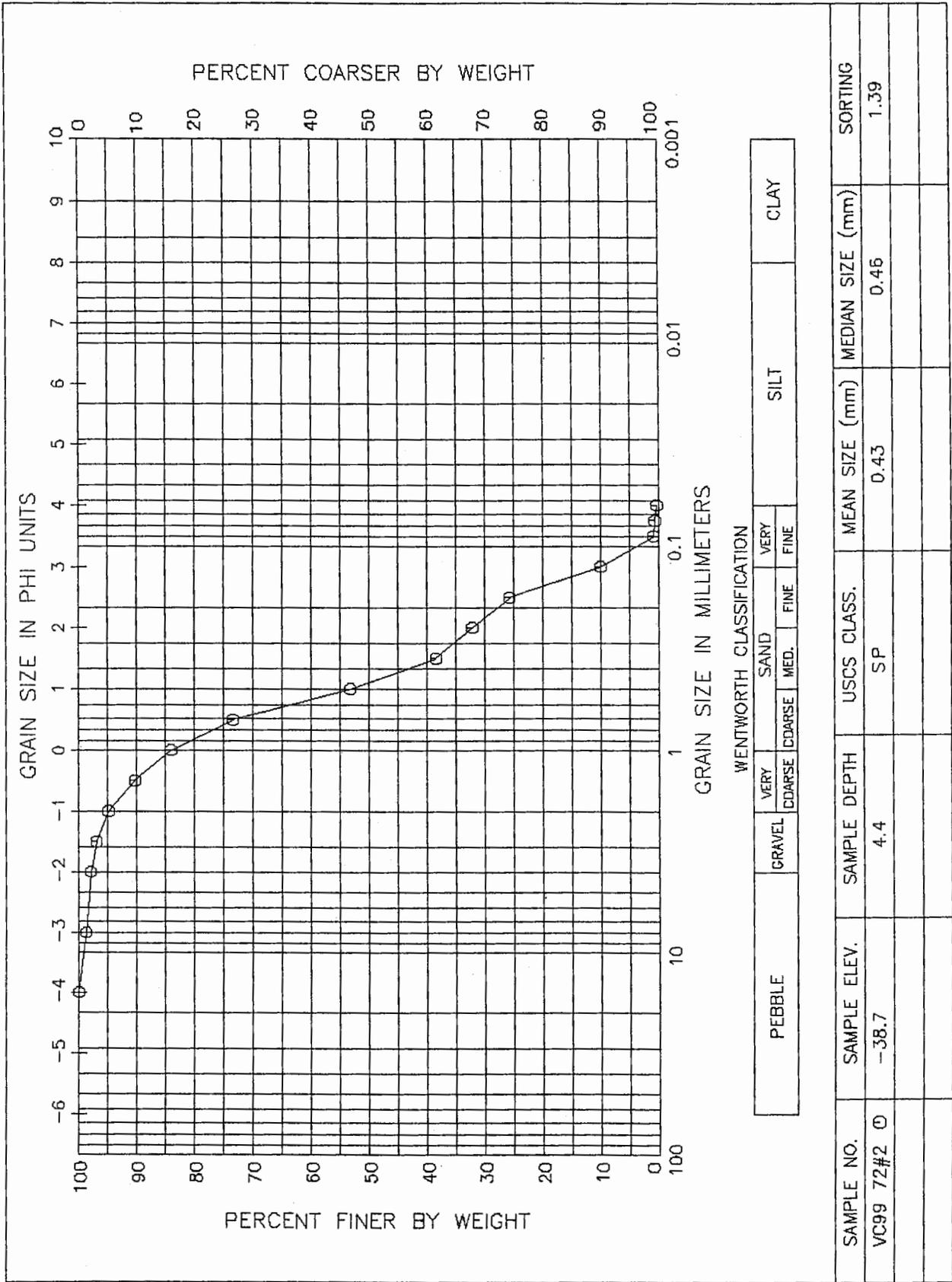
MOMENT METHOD

MEAN (PHI): 2.75 SORTING: 0.67
MEAN (mm) : 0.15

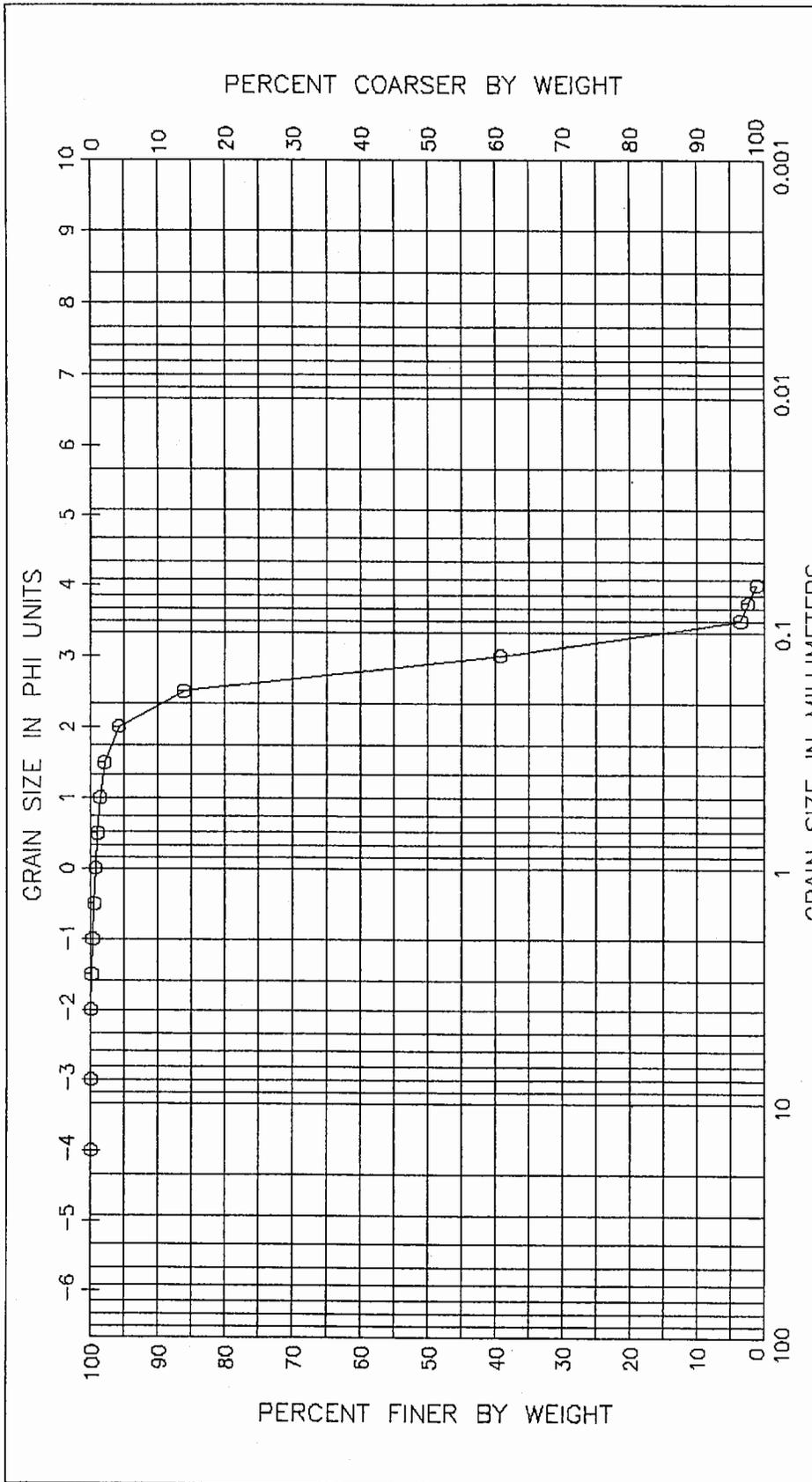
DATA FILE NAME: VC99-72#4.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

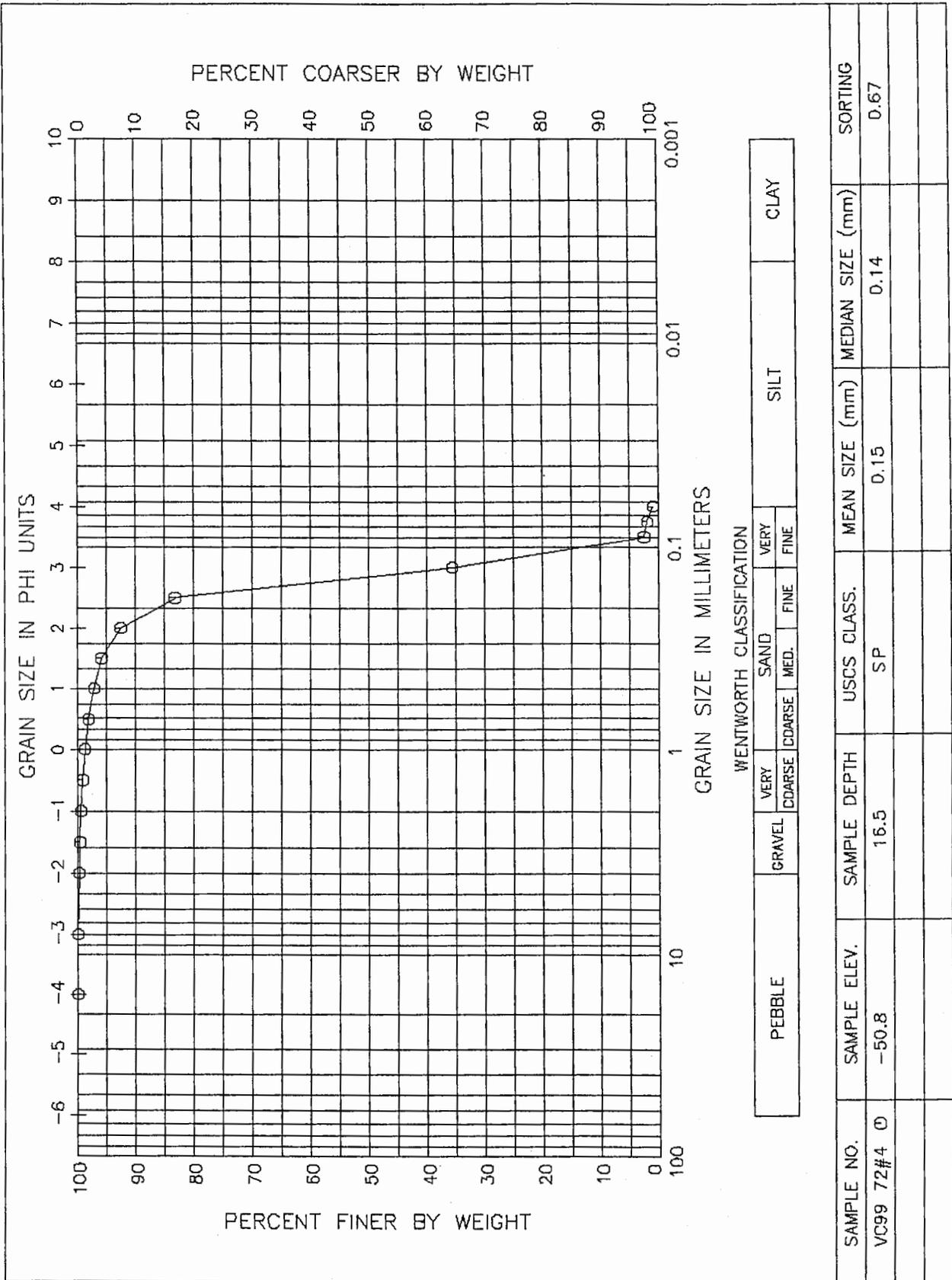


WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	SAND				SILT		CLAY
		VERY COARSE	COARSE	MED.	FINE	VERY FINE	FINE	

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 72#3 0	-43.3	9.0	SP	0.14	0.14	0.55

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH