

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-25 #1
 SAMPLE ELEV. (FT. NGVD): -52.3
 SAMPLE DEPTH (FT.): 3.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 219.25
 SAMPLE WEIGHT AFTER WASH (GRAMS): 216.74

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	0.18	0.08	99.92
7	-1.50	2.800	0.30	0.14	99.86
10	-1.00	2.000	0.42	0.19	99.81
14	-0.50	1.400	0.56	0.26	99.74
18	0.00	1.000	0.73	0.33	99.67
25	0.50	0.710	0.98	0.45	99.55
35	1.00	0.500	1.52	0.69	99.31
45	1.50	0.355	2.65	1.21	98.79
60	2.00	0.250	6.33	2.89	97.11
80	2.50	0.180	23.23	10.60	89.40
120	3.00	0.125	149.78	68.31	31.69
170	3.50	0.090	213.77	97.50	2.50
200	3.75	0.075	216.17	98.60	1.40
230	4.00	0.063	217.82	99.35	0.65
PAN			219.24	100.00	0.00

PHI(5): 2.14 PHI(16): 2.55 PHI(25): 2.62
 PHI(50): 2.84 PHI(75): 3.11 PHI(84): 3.27
 PHI(95): 3.46

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.40%
 SKEWNESS: -0.123 KURTOSIS: 1.105

GRAPHIC METHOD

MEAN (PHI): 2.85 SORTING: 0.36
 MEAN (mm) : 0.14 MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83 SORTING: 0.46
 MEAN (mm) : 0.14

DATA FILE NAME: VC99-25#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-25 #2
SAMPLE ELEV. (FT. NGVD): -56.8
SAMPLE DEPTH (FT.): 7.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 199.00
SAMPLE WEIGHT AFTER WASH (GRAMS): 196.60

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	0.04	0.02	99.98
7	-1.50	2.800	0.25	0.13	99.87
10	-1.00	2.000	0.51	0.26	99.74
14	-0.50	1.400	0.91	0.46	99.54
18	0.00	1.000	1.39	0.70	99.30
25	0.50	0.710	2.33	1.17	98.83
35	1.00	0.500	4.53	2.28	97.72
45	1.50	0.355	8.21	4.13	95.87
60	2.00	0.250	19.13	9.61	90.39
80	2.50	0.180	52.51	26.39	73.61
120	3.00	0.125	149.20	74.97	25.03
170	3.50	0.090	169.61	85.23	14.77
200	3.75	0.075	196.24	98.61	1.39
230	4.00	0.063	197.54	99.27	0.73
PAN			198.99	99.99	0.01

PHI (5): 1.58 PHI (16): 2.19 PHI (25): 2.46
PHI (50): 2.74 PHI (75): 3.00 PHI (84): 3.44
PHI (95): 3.68

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.39%
SKEWNESS: -0.179 KURTOSIS: 1.588

GRAPHIC METHOD

MEAN (PHI): 2.73 SORTING: 0.62
MEAN (mm): 0.15 MEDIAN (mm): 0.15
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.70 SORTING: 0.67
MEAN (mm): 0.15

DATA FILE NAME: VC99-25#2.TAB

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

SAMPLE NO.: VC99-25 #3
SAMPLE ELEV. (FT. NGVD): -61.3
SAMPLE DEPTH (FT.): 12.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 164.90
SAMPLE WEIGHT AFTER WASH (GRAMS): 160.88

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	0.20	0.12	99.88
5	-2.00	4.000	0.66	0.40	99.60
7	-1.50	2.800	0.93	0.56	99.44
10	-1.00	2.000	1.47	0.89	99.11
14	-0.50	1.400	2.01	1.22	98.78
18	0.00	1.000	2.64	1.60	98.40
25	0.50	0.710	3.59	2.18	97.82
35	1.00	0.500	5.57	3.38	96.62
45	1.50	0.355	9.29	5.63	94.37
60	2.00	0.250	16.61	10.07	89.93
80	2.50	0.180	39.61	24.02	75.98
120	3.00	0.125	128.11	77.69	22.31
170	3.50	0.090	159.34	96.63	3.37
200	3.75	0.075	160.37	97.25	2.75
230	4.00	0.063	162.68	98.65	1.35
PAN			164.90	100.00	0.00

PHI (5): 1.36 PHI (16): 2.21 PHI (25): 2.51
PHI (50): 2.74 PHI (75): 2.97 PHI (84): 3.17
PHI (95): 3.46

SIEVE LOSS(g): 0.00 SILT/CLAY: 2.75%
SKEWNESS: -0.700 KURTOSIS: 1.845

GRAPHIC METHOD

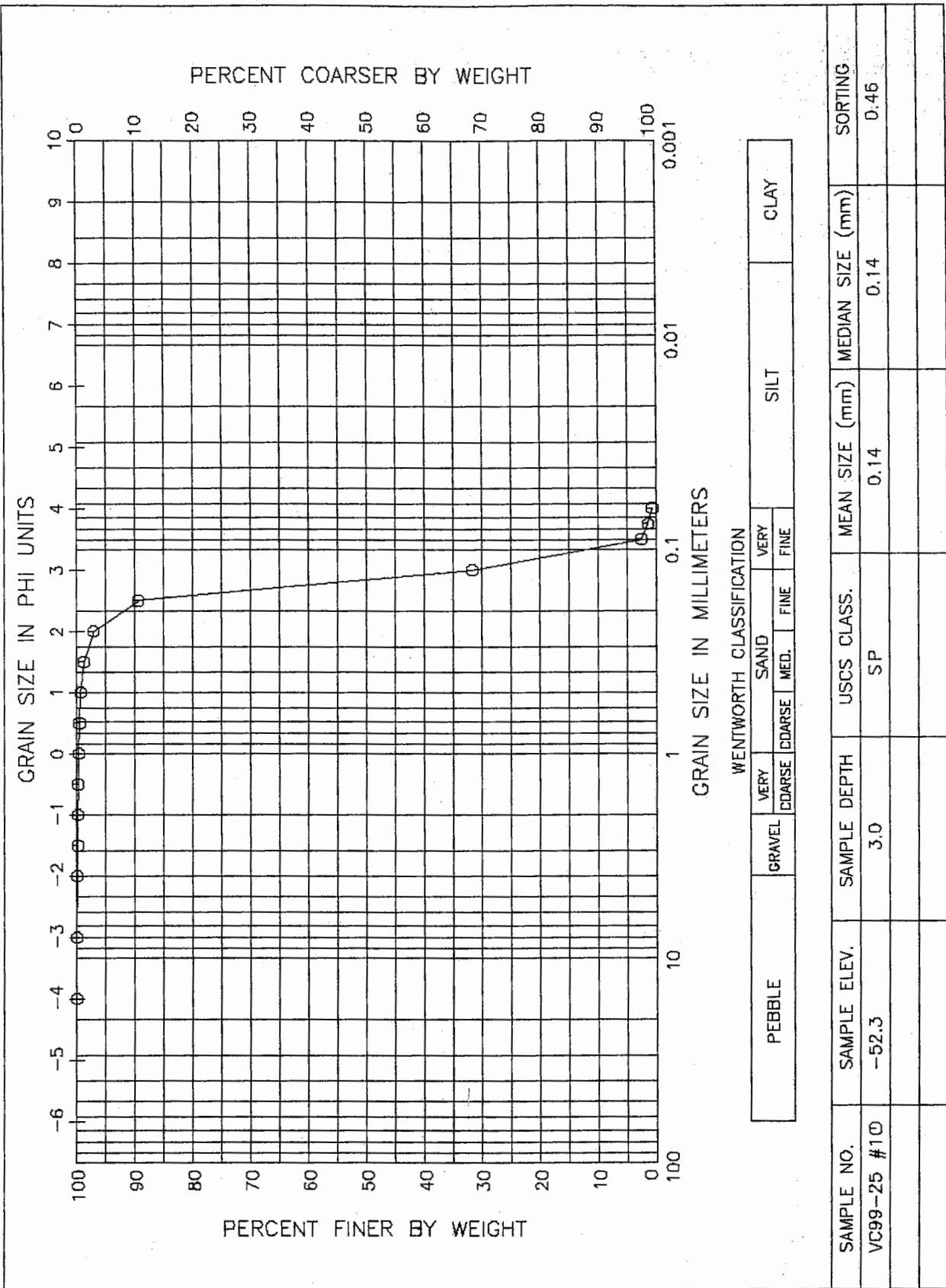
MEAN (PHI): 2.59 SORTING: 0.48
MEAN (mm): 0.17 MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

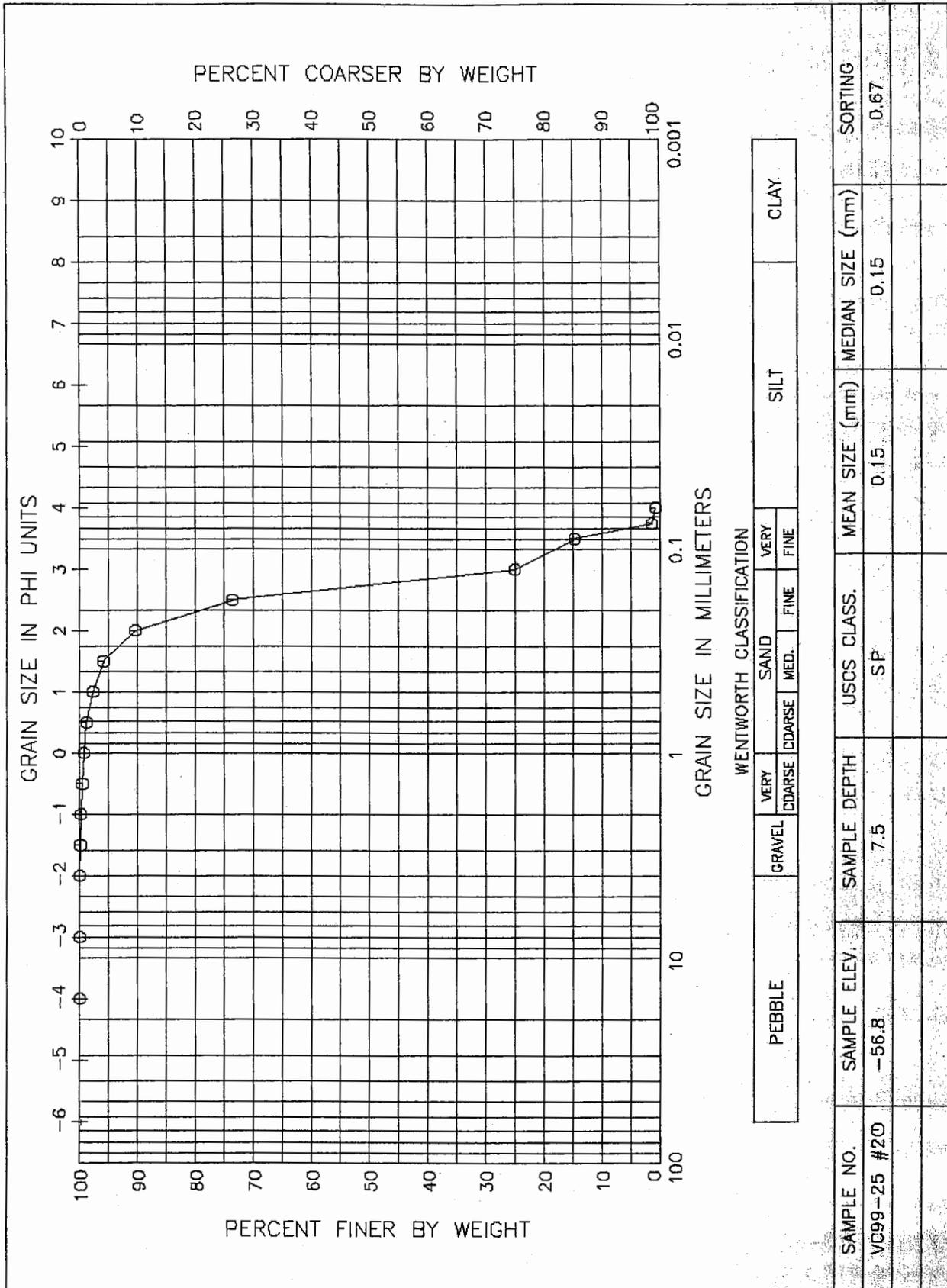
MOMENT METHOD

MEAN (PHI): 2.61 SORTING: 0.75
MEAN (mm): 0.16

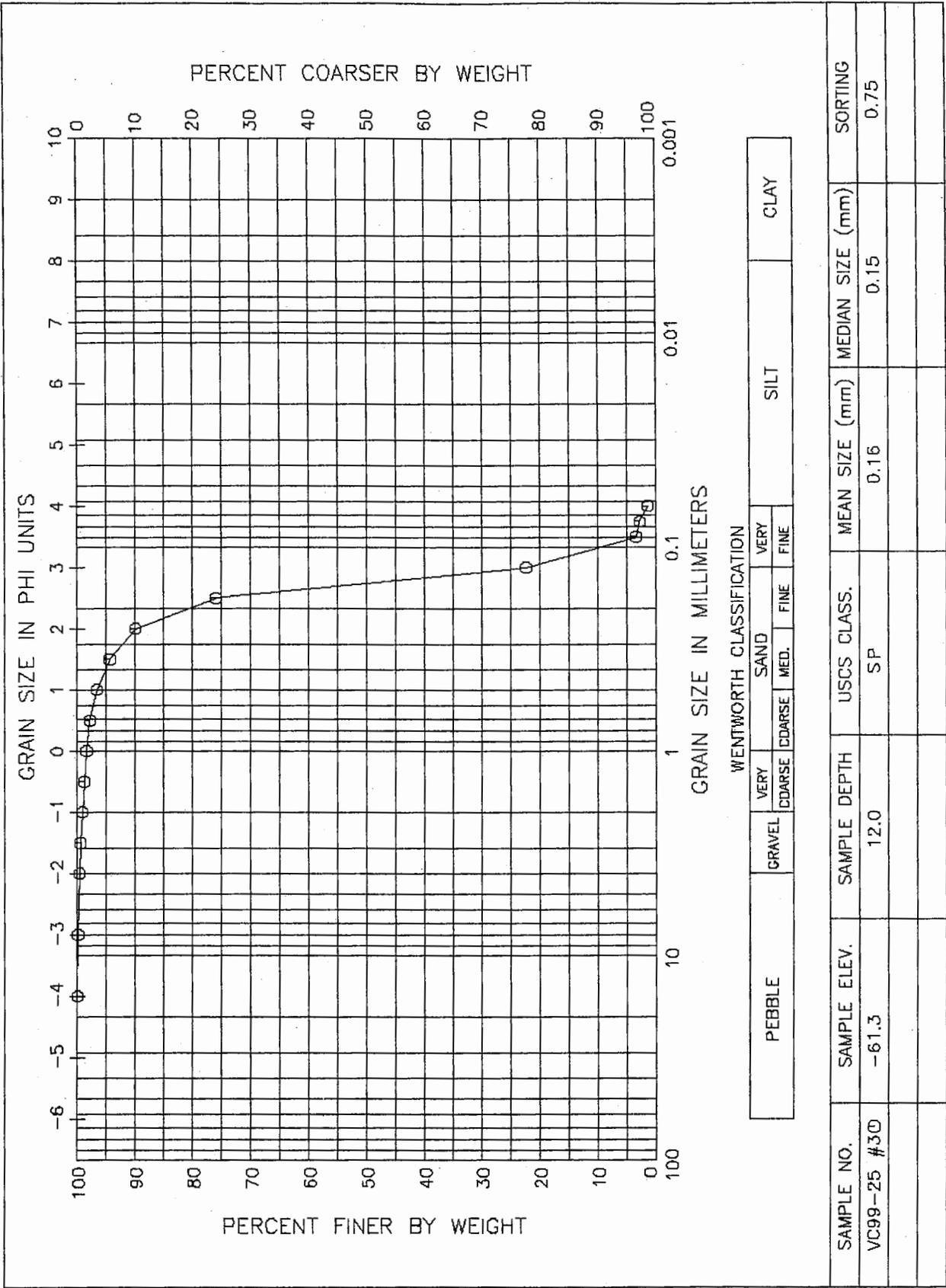
DATA FILE NAME: VC99-25#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH