

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99 38#1
SAMPLE ELEV. (FT. NGVD): -46.8
SAMPLE DEPTH (FT.): 3.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 145.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 143.12

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	0.00	0.00	100.00
7	-1.50	2.800	0.14	0.10	99.90
10	-1.00	2.000	0.35	0.24	99.76
14	-0.50	1.400	0.58	0.40	99.60
18	0.00	1.000	0.87	0.60	99.40
25	0.50	0.710	1.25	0.86	99.14
35	1.00	0.500	1.81	1.25	98.75
45	1.50	0.355	2.63	1.81	98.19
60	2.00	0.250	4.36	3.00	97.00
80	2.50	0.180	13.65	9.39	90.61
120	3.00	0.125	90.35	62.18	37.82
170	3.50	0.090	141.42	97.33	2.67
200	3.75	0.075	142.85	98.31	1.69
230	4.00	0.063	144.13	99.19	0.81
PAN			145.30	100.00	0.00

PHI(5): 2.16 PHI(16): 2.56 PHI(25): 2.65
PHI(50): 2.88 PHI(75): 3.18 PHI(84): 3.31
PHI(95): 3.47

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.69%
SKEWNESS: -0.195 KURTOSIS: 1.005

GRAPHIC METHOD
MEAN (PHI): 2.88 SORTING: 0.37
MEAN (mm) : 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
MEAN (PHI): 2.86 SORTING: 0.50
MEAN (mm) : 0.14

DATA FILE NAME: VC99-38#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-20-99

SAMPLE NO.: VC99 38#2
SAMPLE ELEV. (FT. NGVD): -52.0
SAMPLE DEPTH (FT.): 8.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 175.73
SAMPLE WEIGHT AFTER WASH (GRAMS): 172.72

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	0.12	0.07	99.93
7	-1.50	2.800	0.26	0.15	99.85
10	-1.00	2.000	0.36	0.20	99.80
14	-0.50	1.400	0.64	0.36	99.64
18	0.00	1.000	0.97	0.55	99.45
25	0.50	0.710	1.53	0.87	99.13
35	1.00	0.500	2.50	1.42	98.58
45	1.50	0.355	3.88	2.21	97.79
60	2.00	0.250	7.35	4.18	95.82
80	2.50	0.180	22.42	12.76	87.24
120	3.00	0.125	118.40	67.38	32.62
170	3.50	0.090	141.92	80.76	19.24
200	3.75	0.075	172.34	98.07	1.93
230	4.00	0.063	174.17	99.11	0.89
PAN			175.73	100.00	0.00

PHI (5): 2.05 PHI (16): 2.53 PHI (25): 2.61
PHI (50): 2.84 PHI (75): 3.28 PHI (84): 3.55
PHI (95): 3.71

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.93%
SKEWNESS: 0.070 KURTOSIS: 1.010

GRAPHIC METHOD

MEAN (PHI): 2.93 SORTING: 0.51
MEAN (mm): 0.13 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.87 SORTING: 0.59
MEAN (mm): 0.14

DATA FILE NAME: VC99-38#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99 38#3
SAMPLE ELEV. (FT. NGVD): -56.8
SAMPLE DEPTH (FT.): 13.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 184.48
SAMPLE WEIGHT AFTER WASH (GRAMS): 180.85

Table with 6 columns: SIEVE SIZE, PHI SIZE, MESH SIZE (mm), RETAINED (GRAMS), RETAINED (%), PASSED (%). Rows include sieve sizes from 5/8 to PAN.

PHI (5): 2.03 PHI (16): 2.50 PHI (25): 2.58
PHI (50): 2.81 PHI (75): 3.08 PHI (84): 3.25
PHI (95): 3.46

SIEVE LOSS (g): 0.00 SILT/CLAY: 2.31%
SKEWNESS: -0.179 KURTOSIS: 1.196

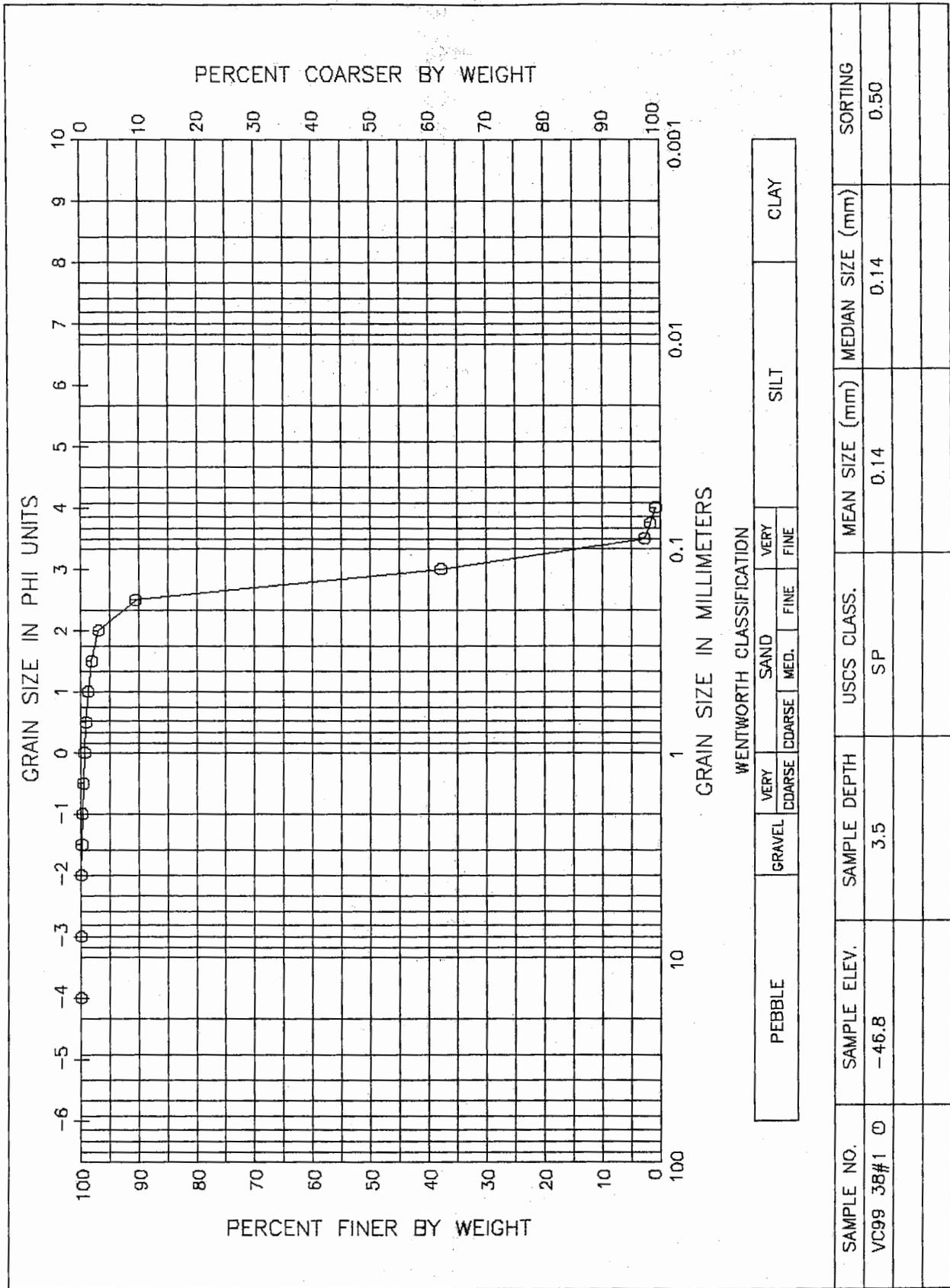
GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

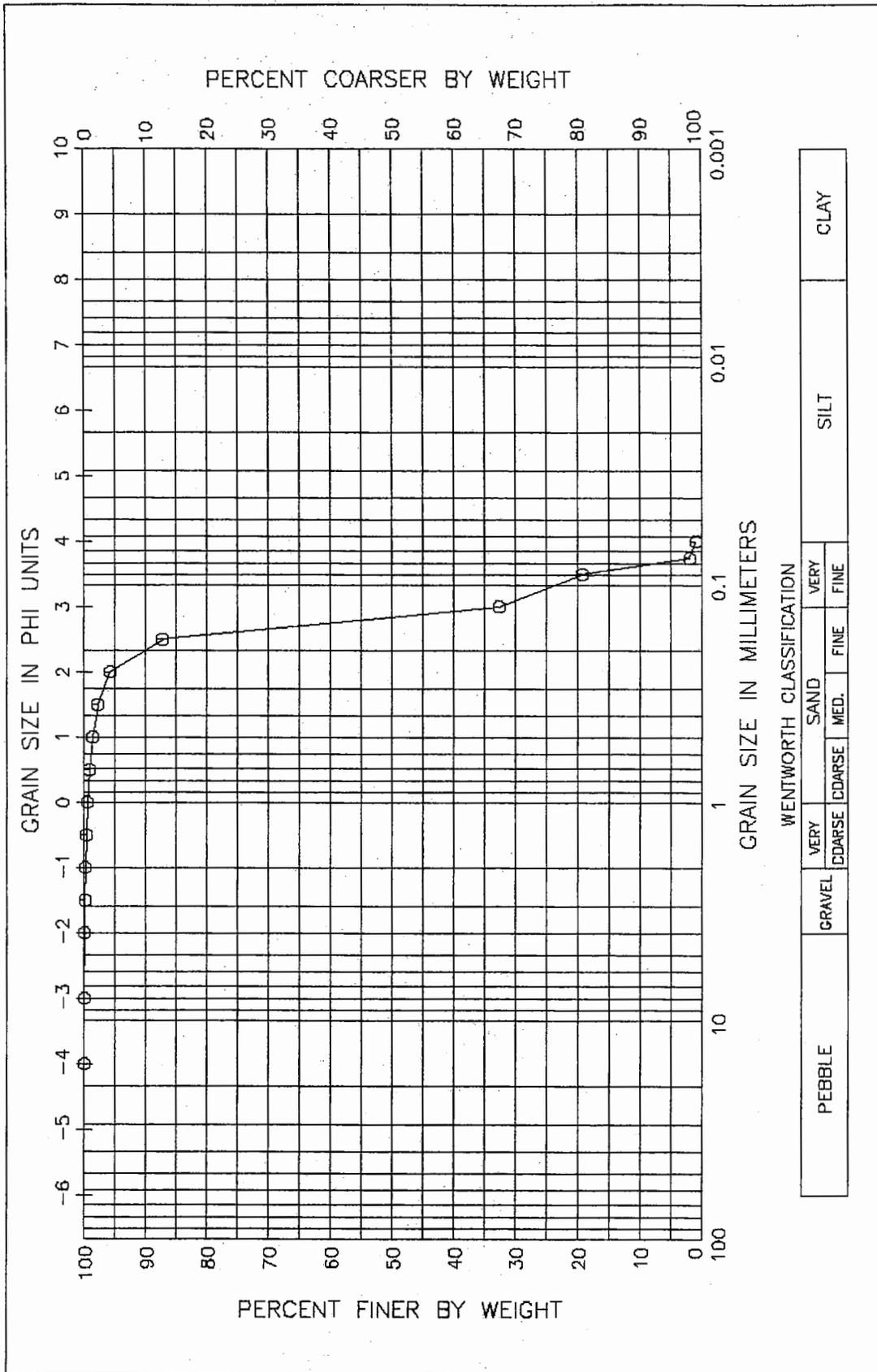
MOMENT METHOD

MEAN (PHI): 2.77 SORTING: 0.52
MEAN (mm): 0.15

DATA FILE NAME: VC99-38#3.TAB

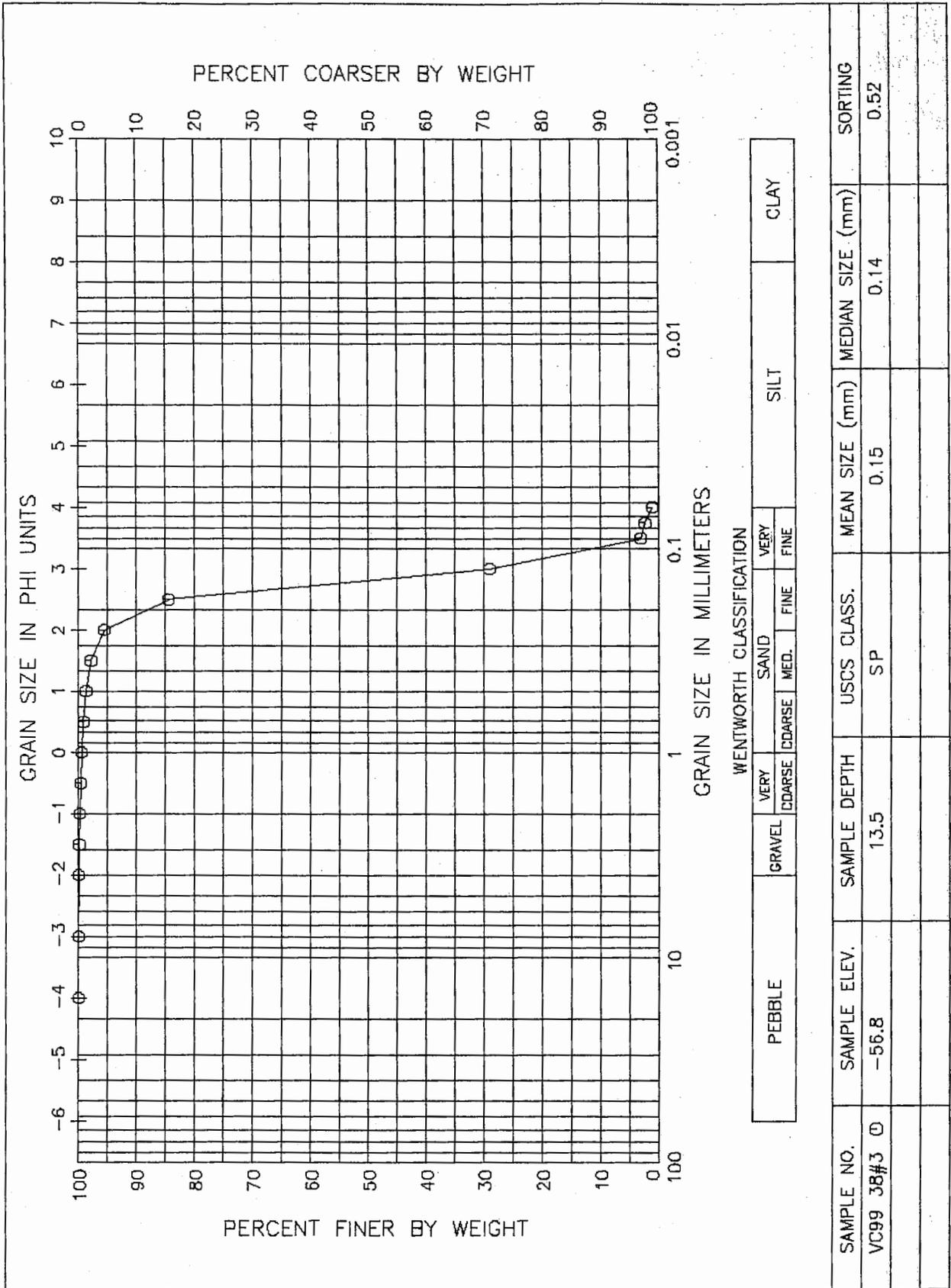


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 38#2	-52.0	8.7	SP	0.14	0.14	0.59

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH