

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 23#1
SAMPLE ELEV. (FT. NGVD): -33.8
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 101.60
SAMPLE WEIGHT AFTER WASH (GRAMS): 100.50

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	0.05	0.05	99.95
10	-1.00	2.000	0.11	0.11	99.89
14	-0.50	1.400	0.23	0.23	99.77
18	0.00	1.000	0.32	0.31	99.69
25	0.50	0.710	0.53	0.52	99.48
35	1.00	0.500	1.10	1.08	98.92
45	1.50	0.355	2.41	2.37	97.63
60	2.00	0.250	5.56	5.47	94.53
80	2.50	0.180	13.68	13.46	86.54
120	3.00	0.125	60.74	59.78	40.22
170	3.50	0.090	99.10	97.54	2.46
200	3.75	0.075	100.37	98.79	1.21
230	4.00	0.063	100.92	99.33	0.67
PAN			101.56	99.96	0.04

PHI (5): 1.92 PHI (16): 2.53 PHI (25): 2.62
PHI (50): 2.89 PHI (75): 3.20 PHI (84): 3.32
PHI (95): 3.47

SIEVE LOSS (g): 0.04 SILT/CLAY: 1.21%
SKEWNESS: -0.502 KURTOSIS: 1.096

GRAPHIC METHOD

MEAN (PHI): 2.83 SORTING: 0.40
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.84 SORTING: 0.51
MEAN (mm): 0.14

DATA FILE NAME: VC99-23#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/20/99

SAMPLE NO.: VC99 23#2
SAMPLE ELEV. (FT. NGVD): -38.5
SAMPLE DEPTH (FT.): 6.7
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 94.28
SAMPLE WEIGHT AFTER WASH (GRAMS): 93.41

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	2.94	3.12	96.88
5	-2.00	4.000	5.13	5.44	94.56
7	-1.50	2.800	6.61	7.01	92.99
10	-1.00	2.000	8.38	8.89	91.11
14	-0.50	1.400	12.18	12.92	87.08
18	0.00	1.000	17.01	18.04	81.96
25	0.50	0.710	25.63	27.18	72.82
35	1.00	0.500	39.09	41.46	58.54
45	1.50	0.355	50.41	53.47	46.53
60	2.00	0.250	58.48	62.03	37.97
80	2.50	0.180	66.85	70.91	29.09
120	3.00	0.125	84.63	89.76	10.24
170	3.50	0.090	92.74	98.37	1.63
200	3.75	0.075	93.28	98.94	1.06
230	4.00	0.063	93.76	99.45	0.55
PAN			94.28	100.00	0.00

PHI (5): -2.19 PHI (16): -0.20 PHI (25): 0.38
PHI (50): 1.36 PHI (75): 2.61 PHI (84): 2.85
PHI (95): 3.30

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.06%
SKEWNESS: -0.524 KURTOSIS: 1.011

GRAPHIC METHOD

MEAN (PHI): 1.02 SORTING: 1.52
MEAN (mm): 0.49 MEDIAN (mm): 0.39
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.21 SORTING: 1.63
MEAN (mm): 0.43

DATA FILE NAME: VC99-23#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/99

SAMPLE NO.: VC99 23#3
 SAMPLE ELEV. (FT. NGVD): -40.1
 SAMPLE DEPTH (FT.): 8.3
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 107.18
 SAMPLE WEIGHT AFTER WASH (GRAMS): 104.42

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	0.54	0.50	99.50
5	-2.00	4.000	1.12	1.04	98.96
7	-1.50	2.800	1.78	1.66	98.34
10	-1.00	2.000	2.46	2.30	97.70
14	-0.50	1.400	3.57	3.33	96.67
18	0.00	1.000	5.60	5.22	94.78
25	0.50	0.710	9.43	8.80	91.20
35	1.00	0.500	17.62	16.44	83.56
45	1.50	0.355	28.13	26.25	73.75
60	2.00	0.250	49.33	46.03	53.97
80	2.50	0.180	67.21	62.71	37.29
120	3.00	0.125	90.96	84.87	15.13
170	3.50	0.090	103.85	96.89	3.11
200	3.75	0.075	104.33	97.34	2.66
230	4.00	0.063	105.76	98.68	1.32
PAN			107.16	99.98	0.02

PHI (5): -0.06 PHI (16): 0.97 PHI (25): 1.44
 PHI (50): 2.12 PHI (75): 2.78 PHI (84): 2.98
 PHI (95): 3.42

SIEVE LOSS (g): 0.02 SILT/CLAY: 2.66%
 SKEWNESS: -0.436 KURTOSIS: 1.064

GRAPHIC METHOD

MEAN (PHI): 1.89 SORTING: 1.00
 MEAN (mm): 0.27 MEDIAN (mm): 0.23
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.94 SORTING: 1.13
 MEAN (mm): 0.26

DATA FILE NAME: VC99-23#3.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/20/99

SAMPLE NO.: VC99 23#4
SAMPLE ELEV. (FT. NGVD): -43.8
SAMPLE DEPTH (FT.): 12.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.95
SAMPLE WEIGHT AFTER WASH (GRAMS): 91.24

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	0.00	0.00	100.00
10	-1.00	2.000	0.03	0.03	99.97
14	-0.50	1.400	0.06	0.06	99.94
18	0.00	1.000	0.10	0.11	99.89
25	0.50	0.710	0.18	0.19	99.81
35	1.00	0.500	0.29	0.31	99.69
45	1.50	0.355	0.58	0.62	99.38
60	2.00	0.250	1.54	1.66	98.34
80	2.50	0.180	6.46	6.95	93.05
120	3.00	0.125	39.52	42.52	57.48
170	3.50	0.090	88.21	94.90	5.10
200	3.75	0.075	90.89	97.78	2.22
230	4.00	0.063	91.93	98.91	1.09
PAN			92.91	99.96	0.04

PHI (5): 2.32 PHI (16): 2.63 PHI (25): 2.75
PHI (50): 3.07 PHI (75): 3.31 PHI (84): 3.40
PHI (95): 3.51

SIEVE LOSS (g): 0.04 SILT/CLAY: 2.22%
SKEWNESS: -0.414 KURTOSIS: 0.879

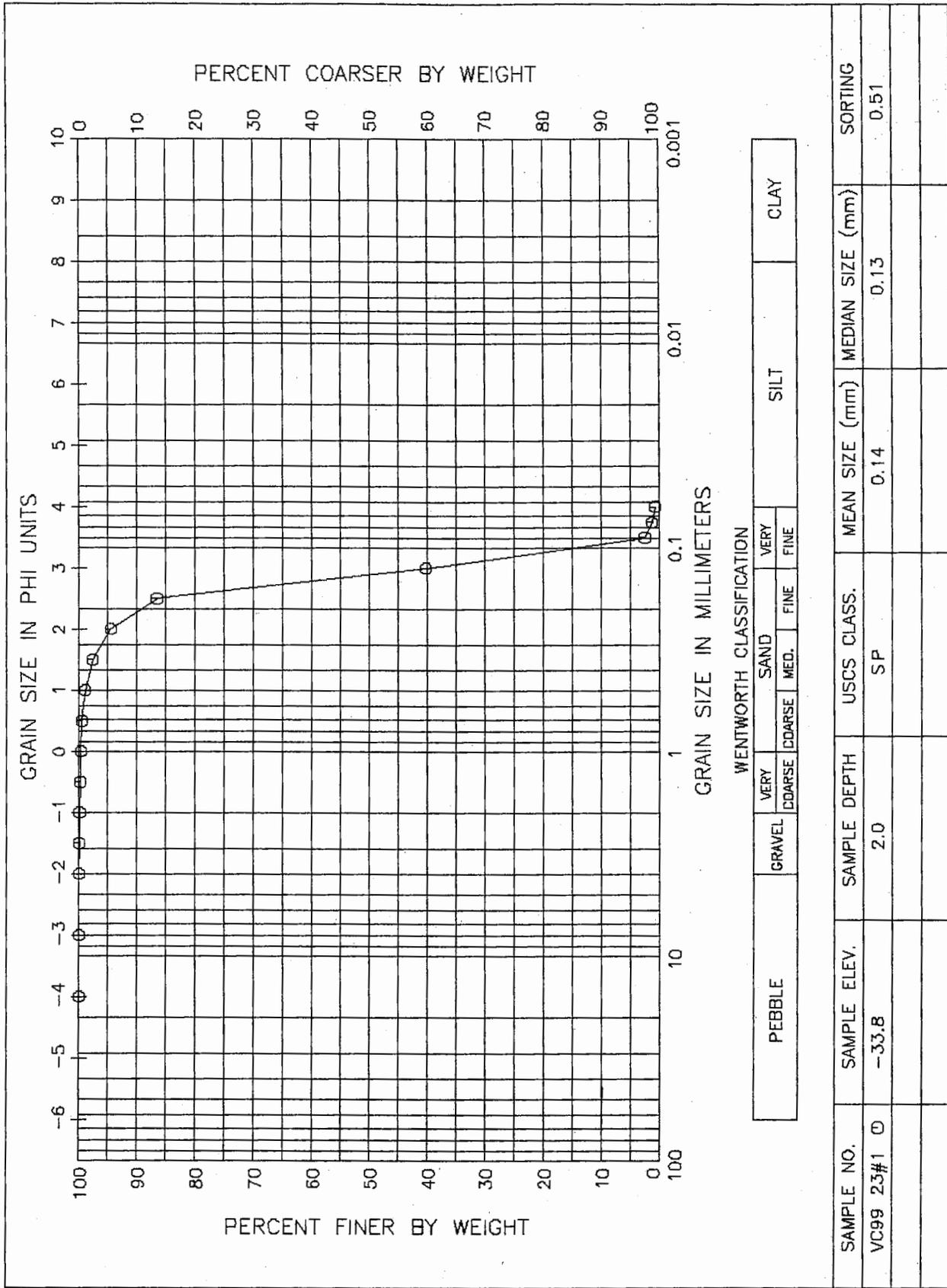
GRAPHIC METHOD

MEAN (PHI): 2.98 SORTING: 0.38
MEAN (mm): 0.13 MEDIAN (mm): 0.12
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

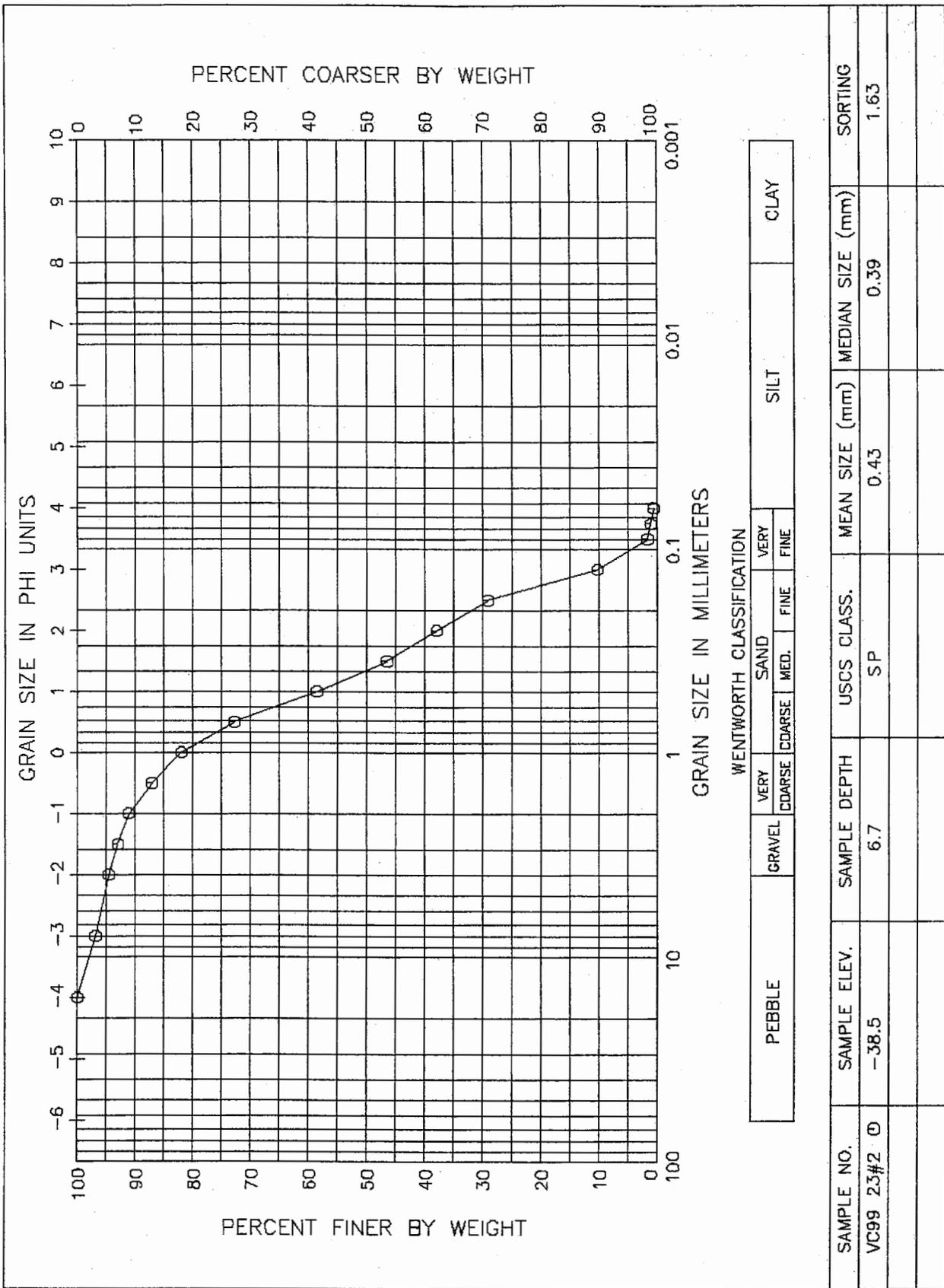
MOMENT METHOD

MEAN (PHI): 3.00 SORTING: 0.40
MEAN (mm): 0.12

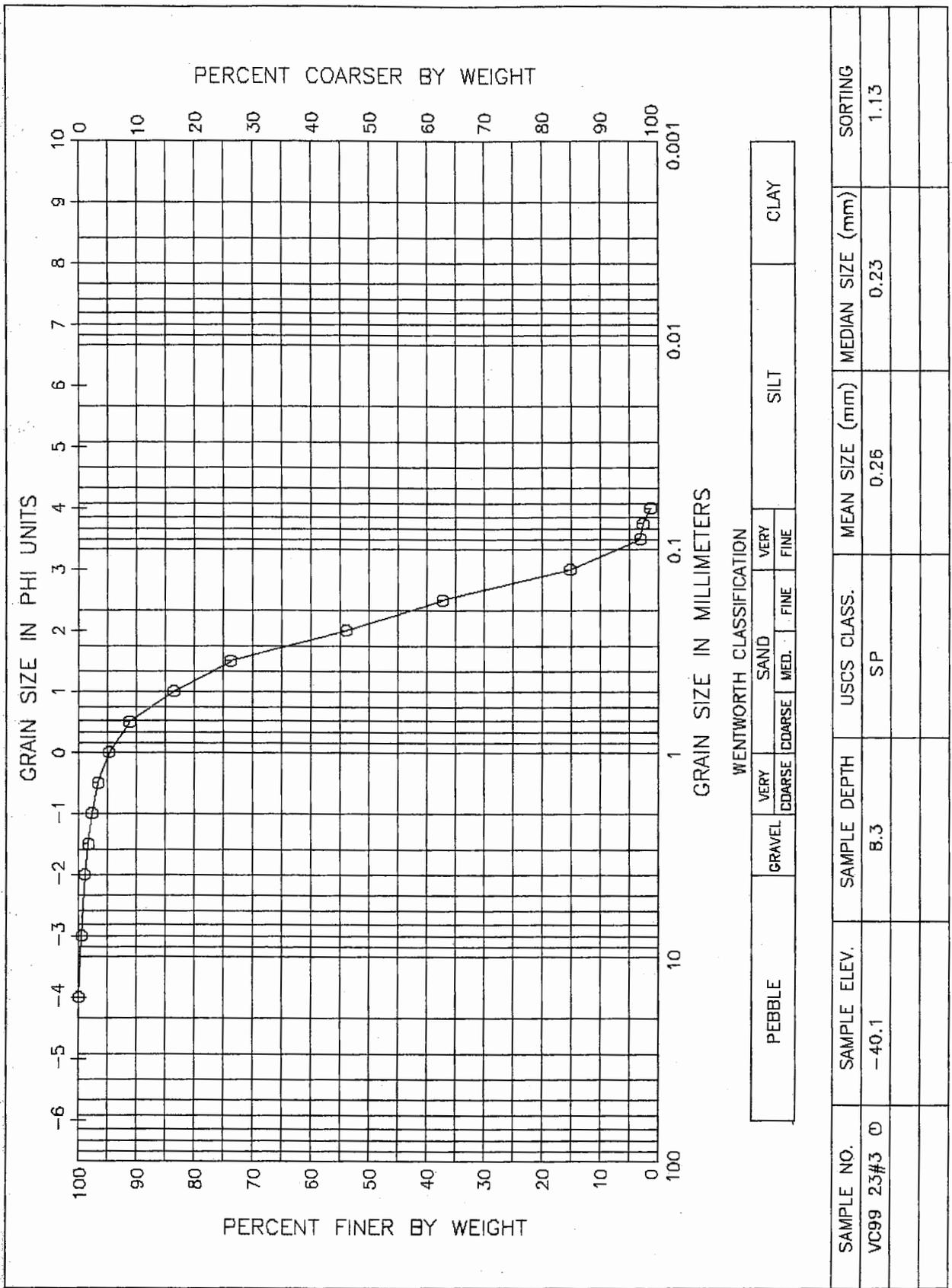
DATA FILE NAME: VC99-23#4.TAB



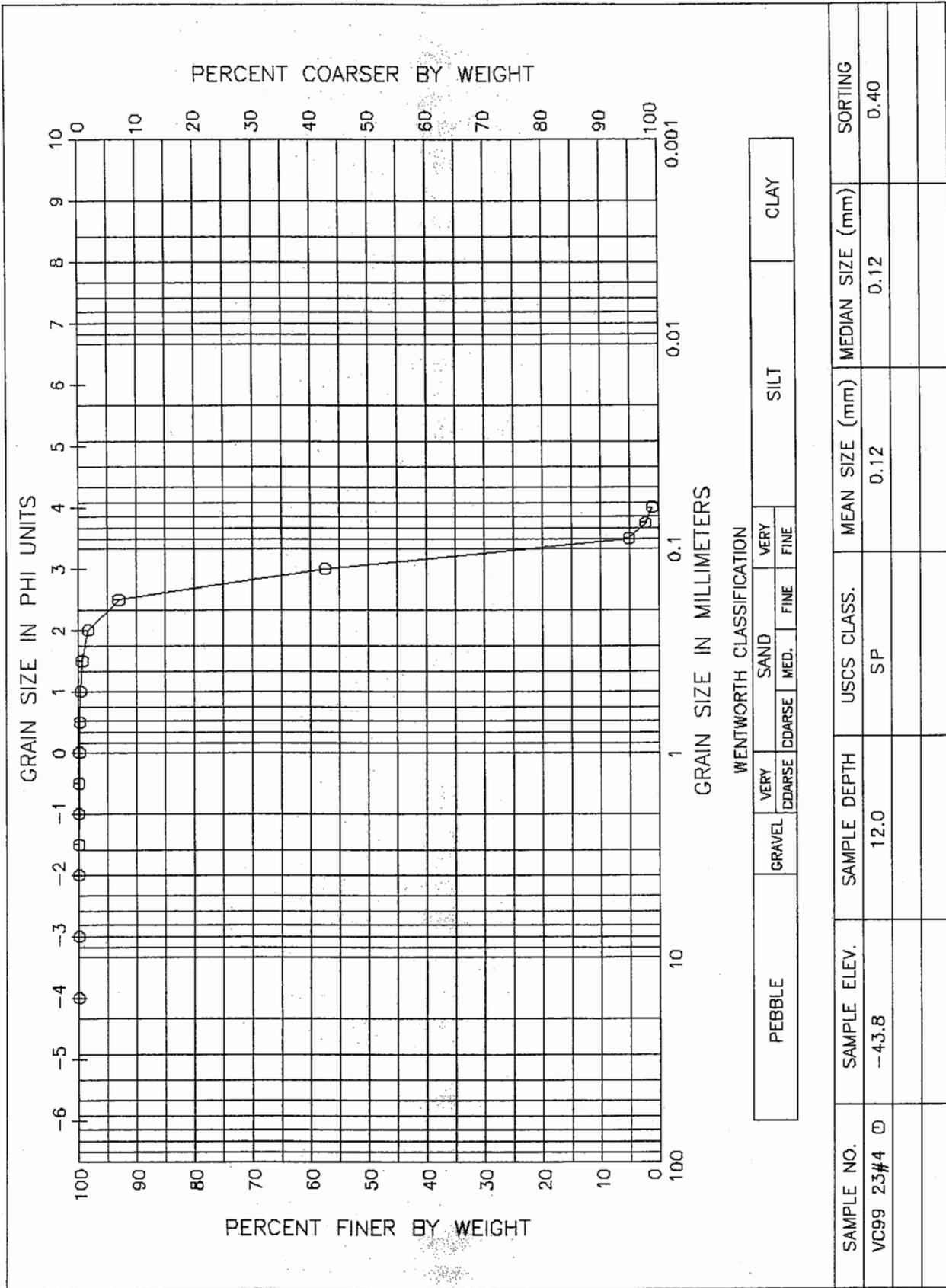
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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