

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 71#1

SAMPLE ELEV. (FT. NGVD): -39.8

SAMPLE DEPTH (FT.): 3.5

SAMPLE TYPE: CORE SAMPLE
-----USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 172.94

SAMPLE WEIGHT AFTER WASH (GRAMS): 170.48

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	0.27	0.16	99.84
7	-1.50	2.800	0.55	0.32	99.68
10	-1.00	2.000	0.96	0.56	99.44
14	-0.50	1.400	1.57	0.91	99.09
18	0.00	1.000	2.14	1.24	98.76
25	0.50	0.710	2.92	1.69	98.31
35	1.00	0.500	4.25	2.46	97.54
45	1.50	0.355	6.09	3.52	96.48
60	2.00	0.250	11.28	6.52	93.48
80	2.50	0.180	30.70	17.75	82.25
120	3.00	0.125	112.49	65.05	34.95
170	3.50	0.090	168.46	97.41	2.59
200	3.75	0.075	170.35	98.50	1.50
230	4.00	0.063	171.67	99.27	0.73
PAN			172.93	99.99	0.01

PHI (5): 1.75

PHI (16): 2.42

PHI (25): 2.58

PHI (50): 2.84

PHI (75): 3.15

PHI (84): 3.29

PHI (95): 3.46

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.50%

SKEWNESS: -0.543

KURTOSIS: 1.219

GRAPHIC METHOD

MEAN (PHI): 2.75

SORTING: 0.44

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.75

SORTING: 0.66

MEAN (mm): 0.15

DATA FILE NAME: VC99-71#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/14/99

SAMPLE NO.: VC99 71#2

SAMPLE ELEV. (FT. NGVD): -44.3

SAMPLE DEPTH (FT.): 8.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 230.13

SAMPLE WEIGHT AFTER WASH (GRAMS): 227.44

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	0.14	0.06	99.94
5	-2.00	4.000	0.94	0.41	99.59
7	-1.50	2.800	1.47	0.64	99.36
10	-1.00	2.000	2.53	1.10	98.90
14	-0.50	1.400	3.46	1.50	98.50
18	0.00	1.000	4.41	1.92	98.08
25	0.50	0.710	5.53	2.40	97.60
35	1.00	0.500	7.52	3.27	96.73
45	1.50	0.355	10.90	4.74	95.26
60	2.00	0.250	22.65	9.84	90.16
80	2.50	0.180	59.23	25.74	74.26
120	3.00	0.125	170.14	73.93	26.07
170	3.50	0.090	225.59	98.03	1.97
200	3.75	0.075	226.99	98.64	1.36
230	4.00	0.063	228.54	99.31	0.69
PAN			230.10	99.99	0.01

PHI (5): 1.53

PHI (16): 2.19

PHI (25): 2.48

PHI (50): 2.75

PHI (75): 3.02

PHI (84): 3.21

PHI (95): 3.44

SIEVE LOSS (g): 0.03

SILT/CLAY: 1.36%

SKEWNESS: -0.532

KURTOSIS: 1.436

GRAPHIC METHOD

MEAN (PHI): 2.62

SORTING: 0.51

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.62

SORTING: 0.76

MEAN (mm): 0.16

DATA FILE NAME: VC99-71#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 71#3

SAMPLE ELEV. (FT. NGVD): -50.3

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 182.50

SAMPLE WEIGHT AFTER WASH (GRAMS): 179.68

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	0.06	0.03	99.97
7	-1.50	2.800	0.11	0.06	99.94
10	-1.00	2.000	0.42	0.23	99.77
14	-0.50	1.400	0.92	0.50	99.50
18	0.00	1.000	1.44	0.79	99.21
25	0.50	0.710	2.22	1.22	98.78
35	1.00	0.500	3.37	1.85	98.15
45	1.50	0.355	4.99	2.73	97.27
60	2.00	0.250	8.39	4.60	95.40
80	2.50	0.180	23.14	12.68	87.32
120	3.00	0.125	137.88	75.55	24.45
170	3.50	0.090	178.19	97.64	2.36
200	3.75	0.075	179.29	98.24	1.76
230	4.00	0.063	180.89	99.12	0.88
PAN			182.49	99.99	0.01

PHI (5): 2.02

PHI (16): 2.53

PHI (25): 2.60

PHI (50): 2.80

PHI (75): 3.00

PHI (84): 3.19

PHI (95): 3.44

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.76%

SKEWNESS: -0.193

KURTOSIS: 1.459

GRAPHIC METHOD

MEAN (PHI): 2.80

SORTING: 0.33

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.75

SORTING: 0.53

MEAN (mm): 0.15

DATA FILE NAME: VC99-71#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 71#4

SAMPLE ELEV. (FT. NGVD): -53.8

SAMPLE DEPTH (FT.): 17.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 232.83

SAMPLE WEIGHT AFTER WASH (GRAMS): 230.80

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	5.79	2.49	97.51
5	-2.00	4.000	9.52	4.09	95.91
7	-1.50	2.800	12.82	5.51	94.49
10	-1.00	2.000	20.40	8.76	91.24
14	-0.50	1.400	65.75	28.24	71.76
18	0.00	1.000	76.72	32.95	67.05
25	0.50	0.710	100.97	43.37	56.63
35	1.00	0.500	135.46	58.18	41.82
45	1.50	0.355	149.75	64.32	35.68
60	2.00	0.250	157.59	67.68	32.32
80	2.50	0.180	166.12	71.35	28.65
120	3.00	0.125	195.66	84.04	15.96
170	3.50	0.090	229.17	98.43	1.57
200	3.75	0.075	230.60	99.04	0.96
230	4.00	0.063	231.74	99.53	0.47
PAN			232.81	99.99	0.01

PHI(5): -1.68

PHI(16): -0.81

PHI(25): -0.58

PHI(50): 0.72

PHI(75): 2.64

PHI(84): 3.00

PHI(95): 3.38

SIEVE LOSS(g): 0.02

SILT/CLAY: 0.96%

SKEWNESS: 0.067

KURTOSIS: 0.643

GRAPHIC METHOD

MEAN (PHI): 0.92

SORTING: 1.91

MEAN (mm): 0.53

MEDIAN (mm): 0.61

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

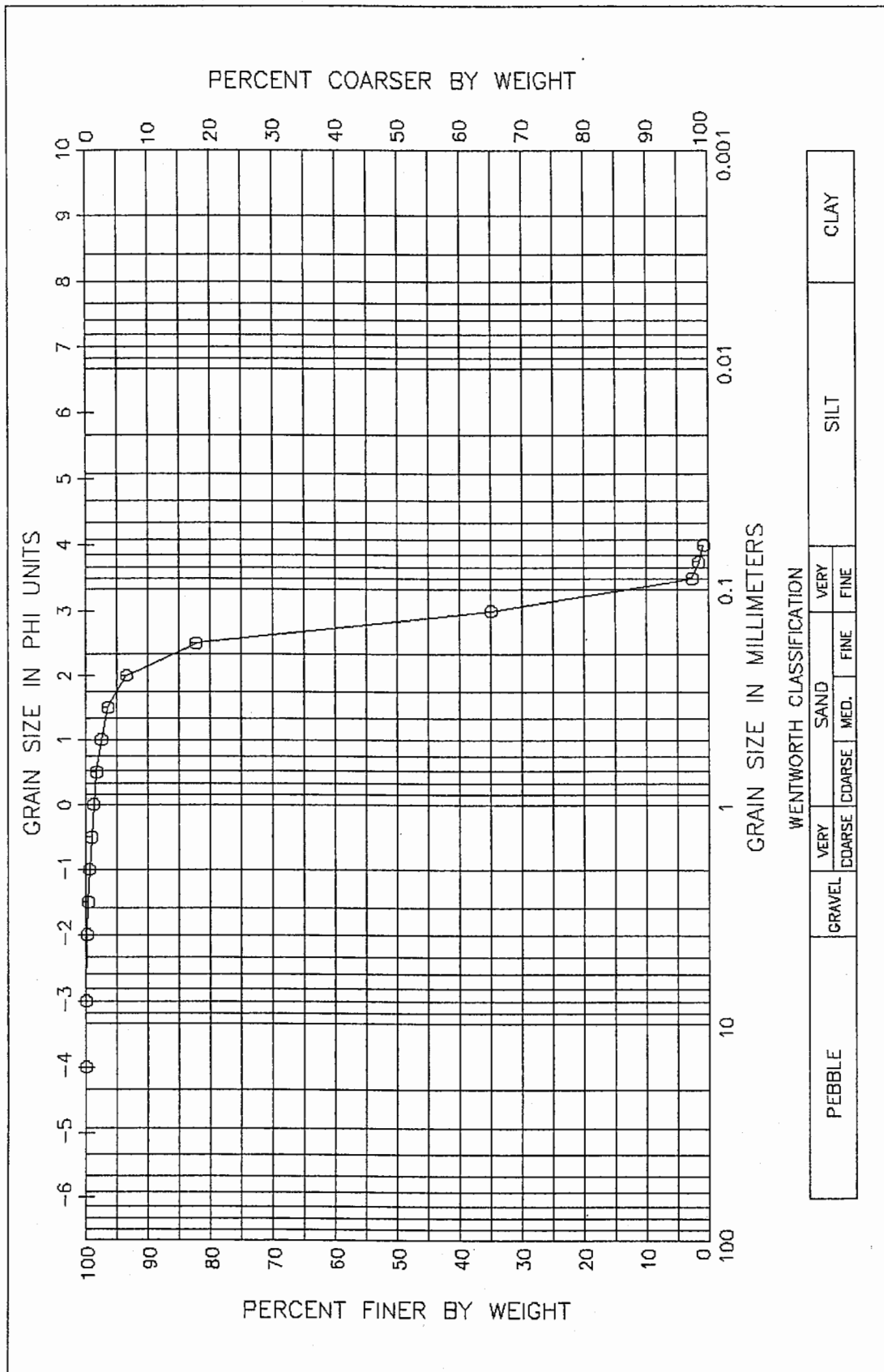
MOMENT METHOD

MEAN (PHI): 0.87

SORTING: 1.73

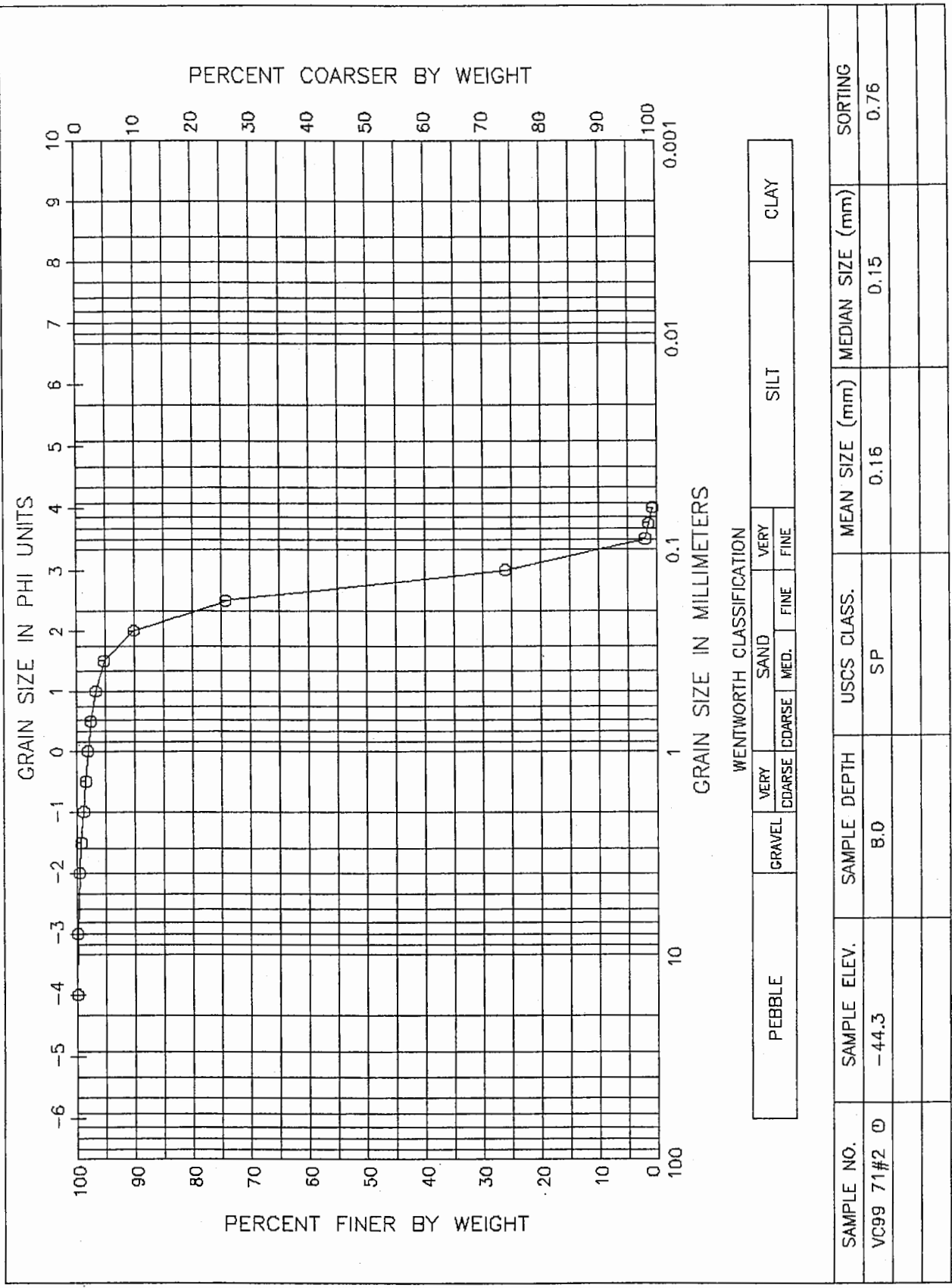
MEAN (mm): 0.55

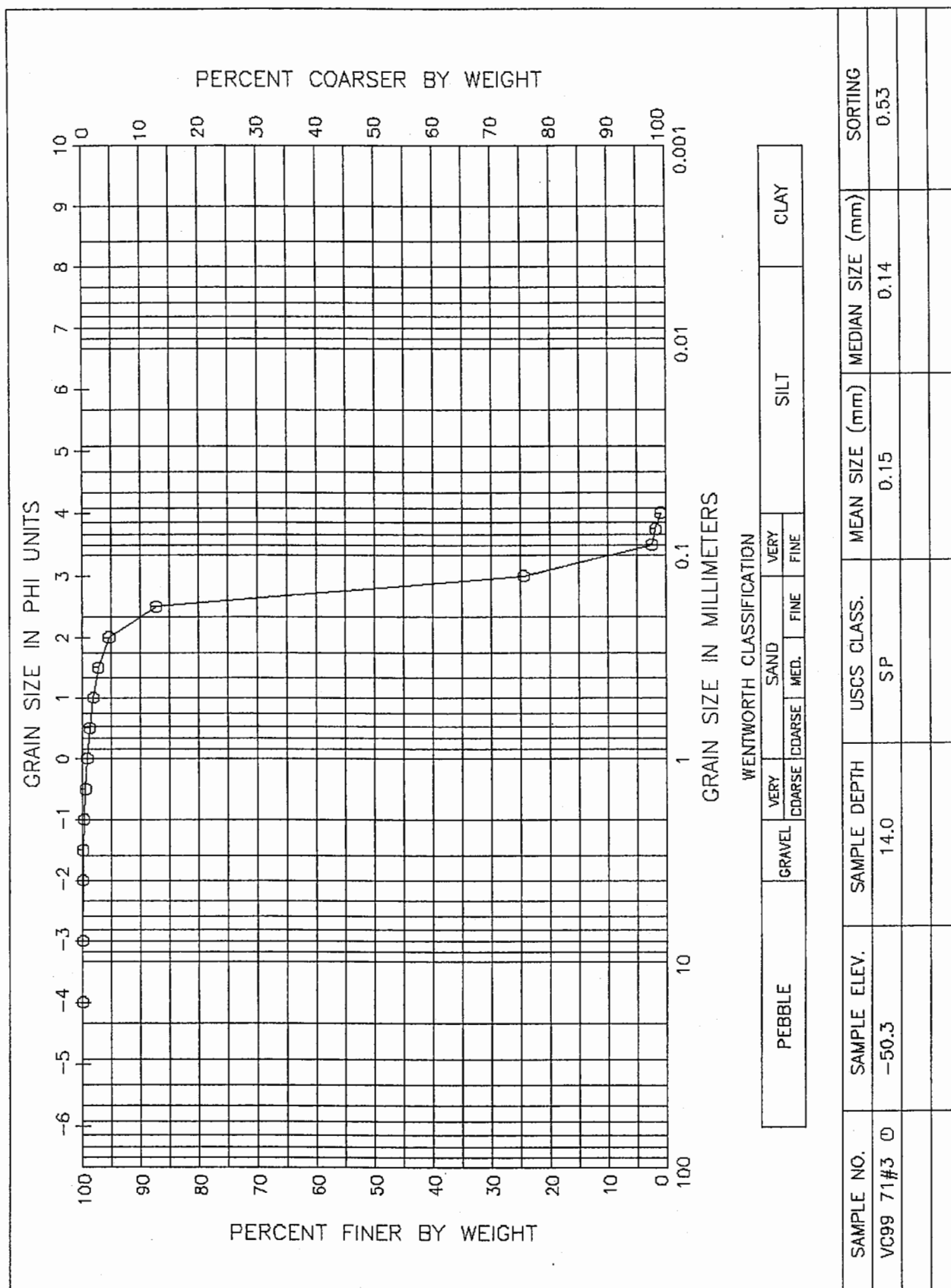
DATA FILE NAME: VC99-71#4.TAB



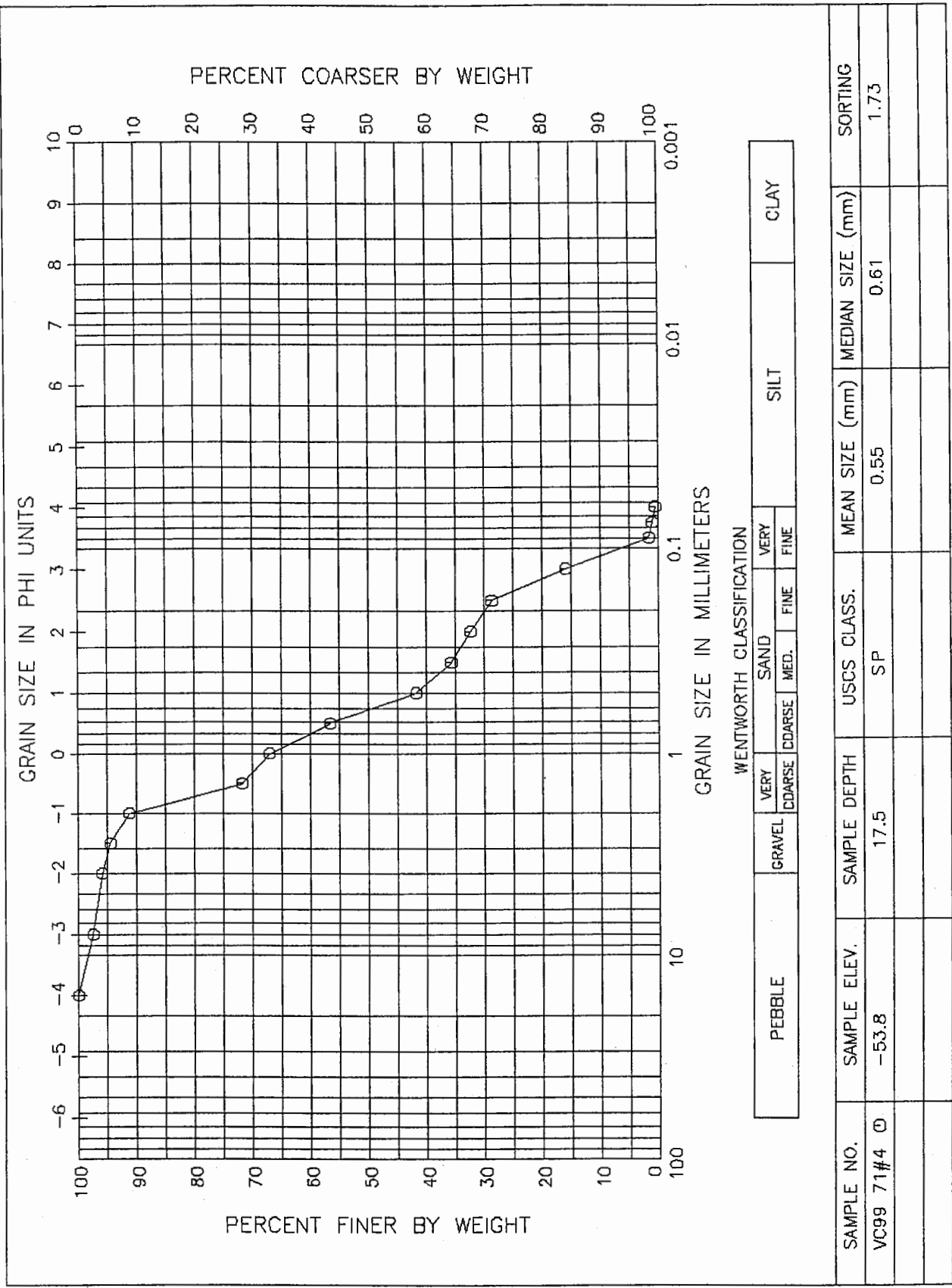
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 71#1 Ø	-39.8	3.5	SP	0.15	0.14	0.66

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH