

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 62#1

SAMPLE ELEV. (FT. NGVD): -32.7

SAMPLE DEPTH (FT.): 0.4

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 212.25

SAMPLE WEIGHT AFTER WASH (GRAMS): 210.90

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	1.11	0.52	99.48
5	-2.00	4.000	3.99	1.88	98.12
7	-1.50	2.800	6.00	2.83	97.17
10	-1.00	2.000	9.60	4.52	95.48
14	-0.50	1.400	16.59	7.82	92.18
18	0.00	1.000	25.52	12.02	87.98
25	0.50	0.710	42.32	19.94	80.06
35	1.00	0.500	73.71	34.73	65.27
45	1.50	0.355	109.36	51.52	48.48
60	2.00	0.250	141.82	66.82	33.18
80	2.50	0.180	162.88	76.74	23.26
120	3.00	0.125	190.45	89.73	10.27
170	3.50	0.090	210.41	99.13	0.87
200	3.75	0.075	210.82	99.33	0.67
230	4.00	0.063	211.54	99.67	0.33
PAN			212.25	100.00	0.00

PHI(5): -0.93

PHI(16): 0.25

PHI(25): 0.67

PHI(50): 1.45

PHI(75): 2.41

PHI(84): 2.78

PHI(95): 3.28

SIEVE LOSS(g): 0.00

SILT/CLAY: 0.67%

SKEWNESS: -0.220

KURTOSIS: 0.990

GRAPHIC METHOD

MEAN (PHI): 1.37

SORTING: 1.26

MEAN (mm): 0.39

MEDIAN (mm): 0.36

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.39

SORTING: 1.29

MEAN (mm): 0.38

DATA FILE NAME: VC99-62#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 62#2
SAMPLE ELEV. (FT. NGVD): -33.8
SAMPLE DEPTH (FT.): 1.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 182.02
SAMPLE WEIGHT AFTER WASH (GRAMS): 179.82

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	0.31	0.17	99.83
10	-1.00	2.000	0.68	0.37	99.63
14	-0.50	1.400	1.11	0.61	99.39
18	0.00	1.000	1.74	0.96	99.04
25	0.50	0.710	2.70	1.48	98.52
35	1.00	0.500	4.67	2.57	97.43
45	1.50	0.355	7.57	4.16	95.84
60	2.00	0.250	12.59	6.92	93.08
80	2.50	0.180	29.38	16.14	83.86
120	3.00	0.125	118.10	64.88	35.12
170	3.50	0.090	178.00	97.79	2.21
200	3.75	0.075	179.63	98.69	1.31
230	4.00	0.063	180.88	99.37	0.63
PAN			182.01	99.99	0.01

PHI(5): 1.65 PHI(16): 2.49 PHI(25): 2.59
PHI(50): 2.85 PHI(75): 3.15 PHI(84): 3.29
PHI(95): 3.46

SIEVE LOSS(g): 0.01 SILT/CLAY: 1.31%
SKEWNESS: -0.732 KURTOSIS: 1.314

GRAPHIC METHOD

MEAN (PHI): 2.75 SORTING: 0.40
MEAN (mm): 0.15 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.76 SORTING: 0.62
MEAN (mm): 0.15

DATA FILE NAME: VC99-62#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 62#3

SAMPLE ELEV. (FT. NGVD): -35.3

SAMPLE DEPTH (FT.): 3.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 237.90

SAMPLE WEIGHT AFTER WASH (GRAMS): 234.94

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	0.13	0.05	99.95
7	-1.50	2.800	0.29	0.12	99.88
10	-1.00	2.000	0.76	0.32	99.68
14	-0.50	1.400	1.50	0.63	99.37
18	0.00	1.000	2.47	1.04	98.96
25	0.50	0.710	3.78	1.59	98.41
35	1.00	0.500	6.61	2.78	97.22
45	1.50	0.355	10.99	4.62	95.38
60	2.00	0.250	20.80	8.74	91.26
80	2.50	0.180	58.27	24.49	75.51
120	3.00	0.125	179.74	75.55	24.45
170	3.50	0.090	233.49	98.15	1.85
200	3.75	0.075	234.71	98.66	1.34
230	4.00	0.063	236.36	99.35	0.65
PAN			237.89	100.00	0.00

PHI(5): 1.55

PHI(16): 2.23

PHI(25): 2.50

PHI(50): 2.75

PHI(75): 2.99

PHI(84): 3.19

PHI(95): 3.43

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.34%

SKEWNESS: -0.547

KURTOSIS: 1.577

GRAPHIC METHOD

MEAN (PHI): 2.63

SORTING: 0.48

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.65

SORTING: 0.63

MEAN (mm): 0.16

DATA FILE NAME: VC99-62#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 62#4

SAMPLE ELEV. (FT. NGVD): -36.6

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 210.77

SAMPLE WEIGHT AFTER WASH (GRAMS): 208.31

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	0.19	0.09	99.91
5	-2.00	4.000	1.54	0.73	99.27
7	-1.50	2.800	2.45	1.16	98.84
10	-1.00	2.000	4.56	2.16	97.84
14	-0.50	1.400	8.79	4.17	95.83
18	0.00	1.000	14.61	6.93	93.07
25	0.50	0.710	23.65	11.22	88.78
35	1.00	0.500	33.78	16.03	83.97
45	1.50	0.355	44.31	21.02	78.98
60	2.00	0.250	61.32	29.09	70.91
80	2.50	0.180	96.94	45.99	54.01
120	3.00	0.125	171.07	81.16	18.84
170	3.50	0.090	207.22	98.32	1.68
200	3.75	0.075	208.10	98.73	1.27
230	4.00	0.063	209.42	99.36	0.64
PAN			210.75	99.99	0.01

PHI(5): -0.35

PHI(16): 1.00

PHI(25): 1.75

PHI(50): 2.56

PHI(75): 2.91

PHI(84): 3.08

PHI(95): 3.40

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.27%

SKEWNESS: -0.988

KURTOSIS: 1.319

GRAPHIC METHOD

MEAN (PHI): 1.94

SORTING: 1.04

MEAN (mm): 0.26

MEDIAN (mm): 0.17

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.15

SORTING: 1.16

MEAN (mm): 0.23

DATA FILE NAME: VC99-62#4.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-19-99

SAMPLE NO.: VC99 62#5

SAMPLE ELEV. (FT. NGVD): -41.3

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 242.02

SAMPLE WEIGHT AFTER WASH (GRAMS): 238.37

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	0.03	0.01	99.99
7	-1.50	2.800	0.24	0.10	99.90
10	-1.00	2.000	0.67	0.28	99.72
14	-0.50	1.400	1.15	0.48	99.52
18	0.00	1.000	1.88	0.78	99.22
25	0.50	0.710	2.75	1.14	98.86
35	1.00	0.500	4.47	1.85	98.15
45	1.50	0.355	7.67	3.17	96.83
60	2.00	0.250	18.33	7.57	92.43
80	2.50	0.180	60.15	24.85	75.15
120	3.00	0.125	182.76	75.51	24.49
170	3.50	0.090	236.19	97.59	2.41
200	3.75	0.075	237.77	98.24	1.76
230	4.00	0.063	239.96	99.15	0.85
PAN			242.01	100.00	0.00

PHI (5): 1.71

PHI (16): 2.24

PHI (25): 2.50

PHI (50): 2.75

PHI (75): 2.99

PHI (84): 3.19

PHI (95): 3.44

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.76%

SKEWNESS: -0.366

KURTOSIS: 1.440

GRAPHIC METHOD

MEAN (PHI): 2.67

SORTING: 0.47

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.67

SORTING: 0.58

MEAN (mm): 0.16

DATA FILE NAME: VC99-62#5.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 62#6

SAMPLE ELEV. (FT. NGVD): -46.3

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 201.69

SAMPLE WEIGHT AFTER WASH (GRAMS): 198.70

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	0.12	0.06	99.94
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.66	0.33	99.67
18	0.00	1.000	1.05	0.52	99.48
25	0.50	0.710	1.75	0.87	99.13
35	1.00	0.500	2.91	1.44	98.56
45	1.50	0.355	5.44	2.70	97.30
60	2.00	0.250	15.32	7.60	92.40
80	2.50	0.180	51.32	25.44	74.56
120	3.00	0.125	148.47	73.61	26.39
170	3.50	0.090	197.08	97.71	2.29
200	3.75	0.075	198.28	98.31	1.69
230	4.00	0.063	200.08	99.20	0.80
PAN			201.69	100.00	0.00

PHI (5): 1.74

PHI (16): 2.24

PHI (25): 2.49

PHI (50): 2.75

PHI (75): 3.03

PHI (84): 3.22

PHI (95): 3.44

SIEVE LOSS (g): 0.00

SILT/CLAY: 1.69%

SKEWNESS: -0.338

KURTOSIS: 1.294

GRAPHIC METHOD

MEAN (PHI): 2.68

SORTING: 0.49

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

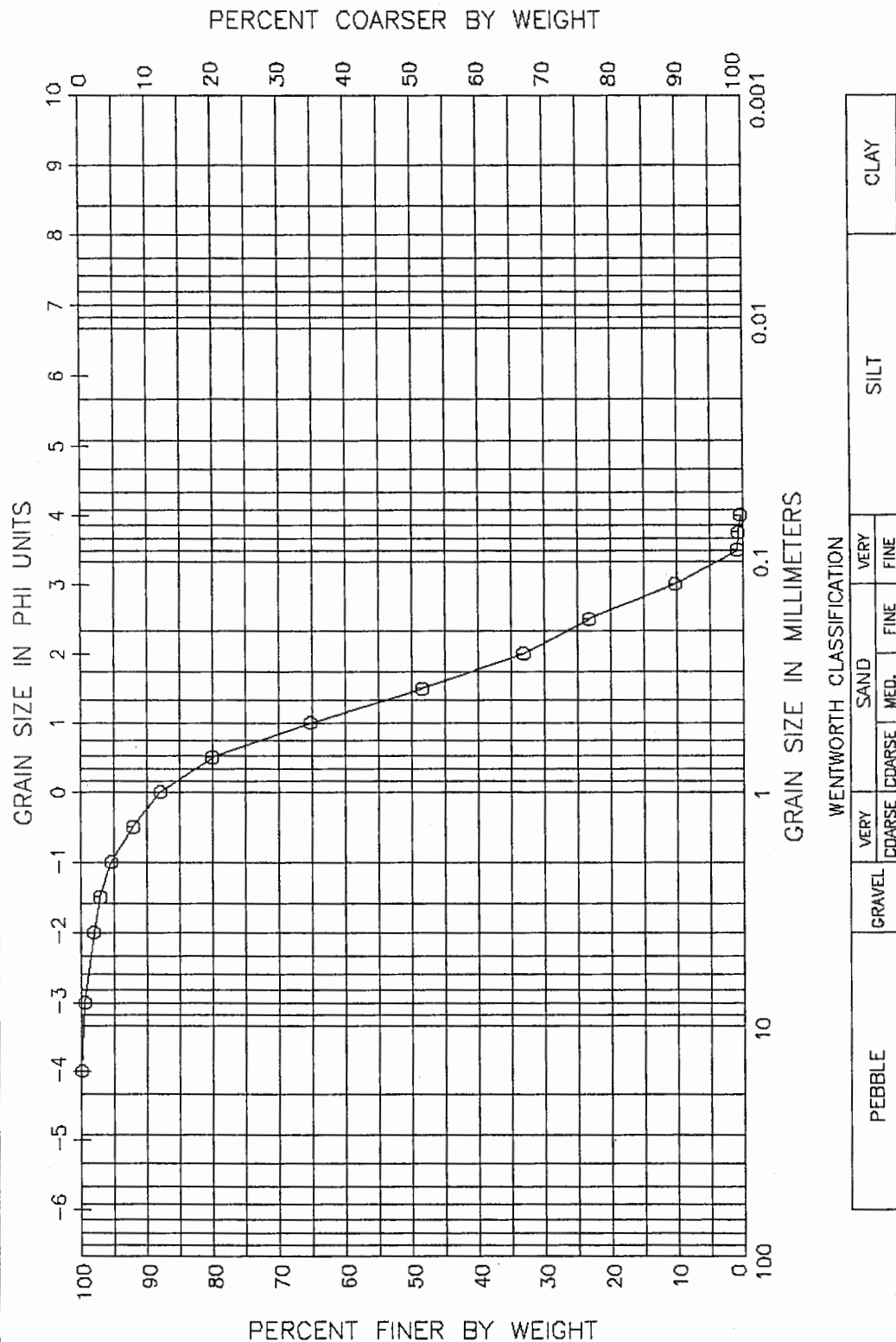
MOMENT METHOD

MEAN (PHI): 2.69

SORTING: 0.55

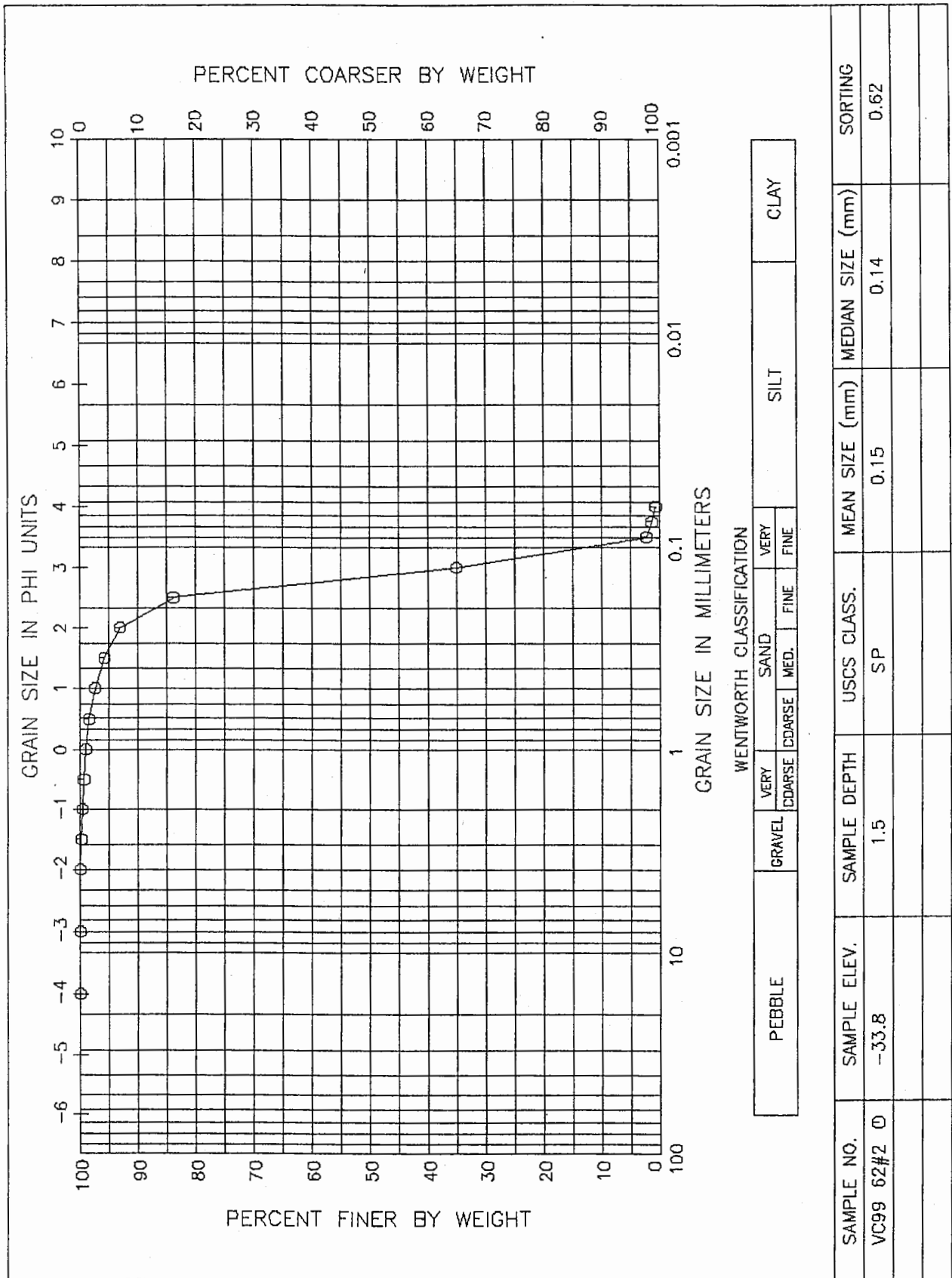
MEAN (mm): 0.15

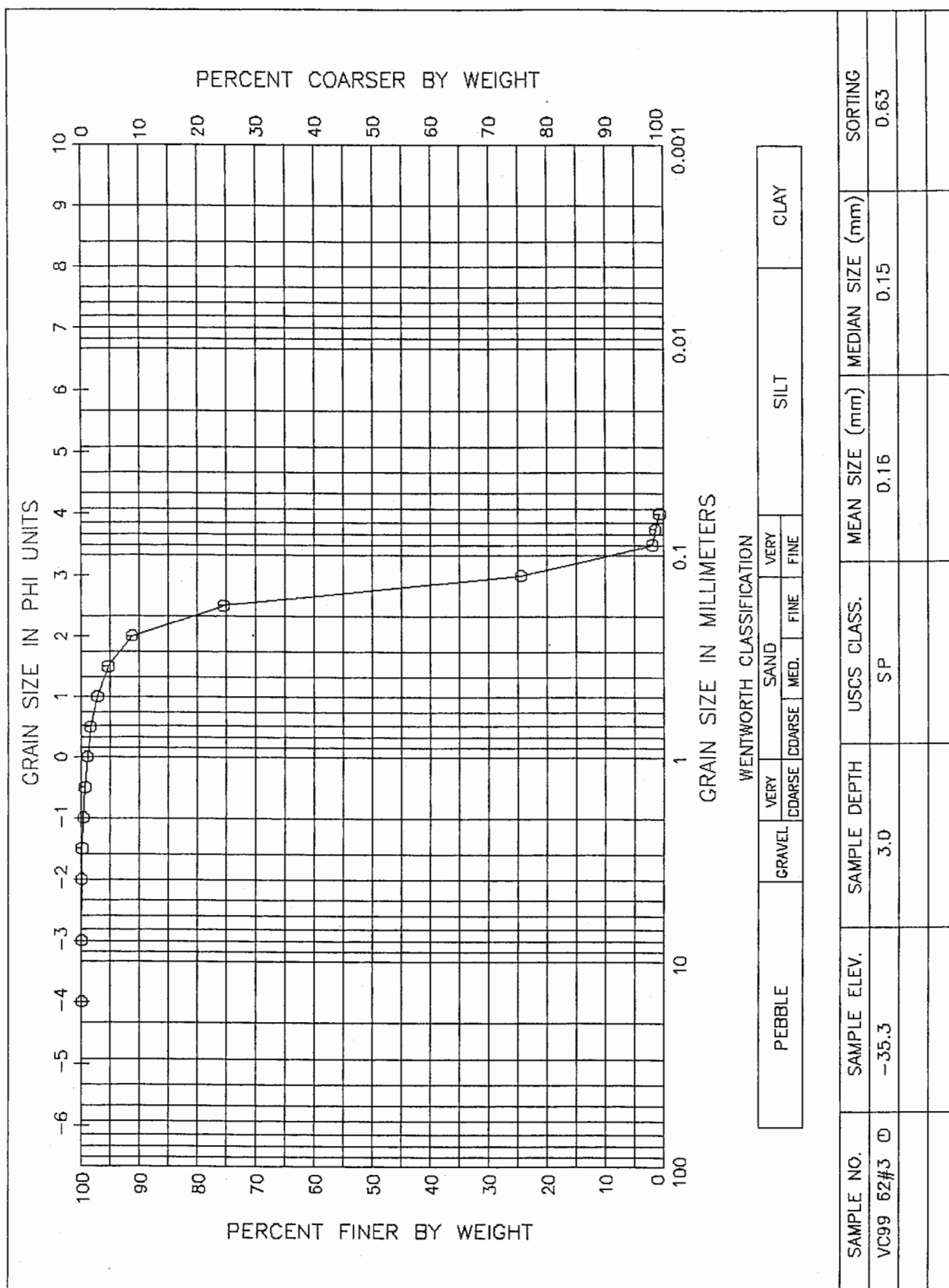
DATA FILE NAME: VC99-62#6.TAB

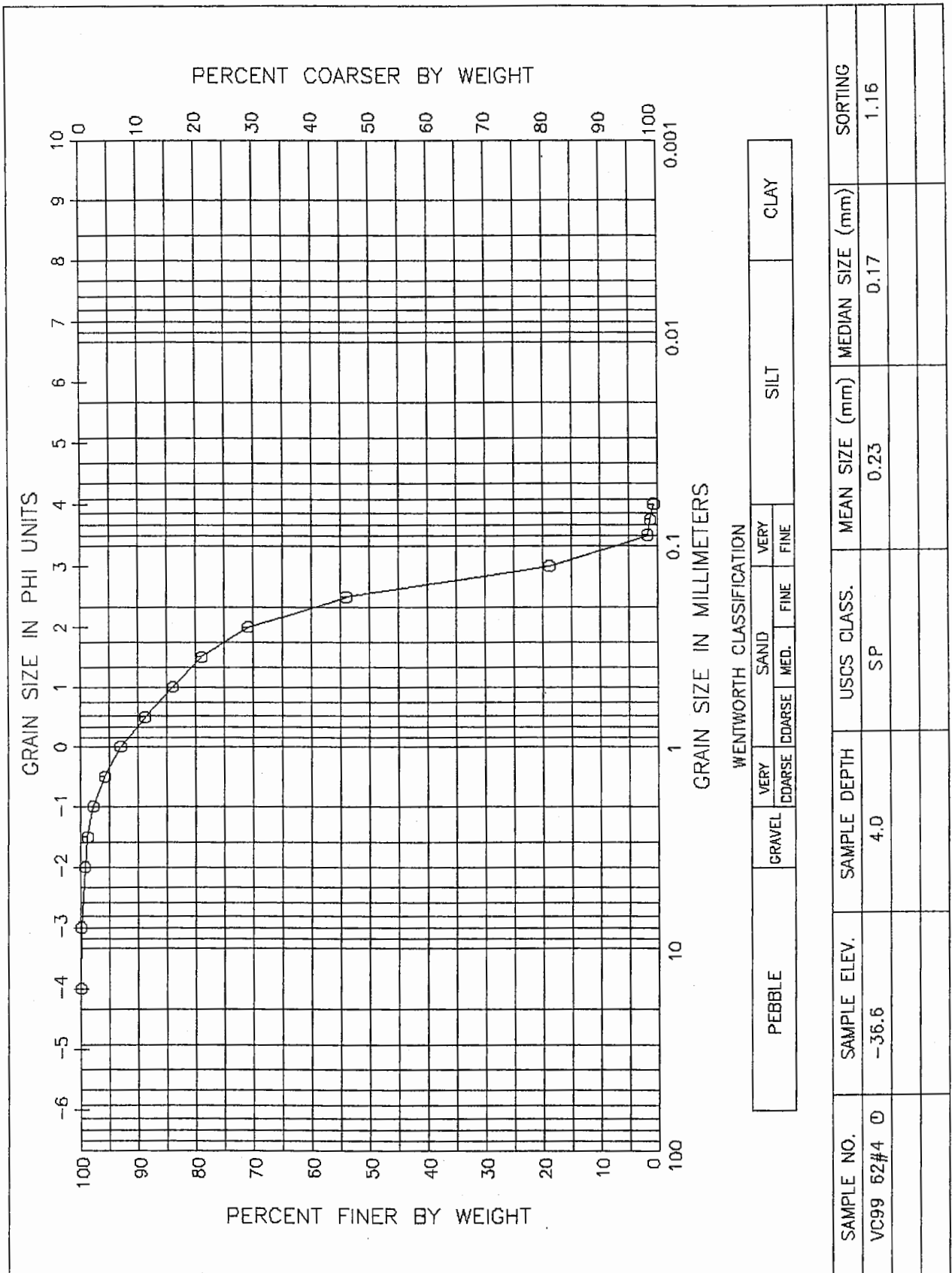


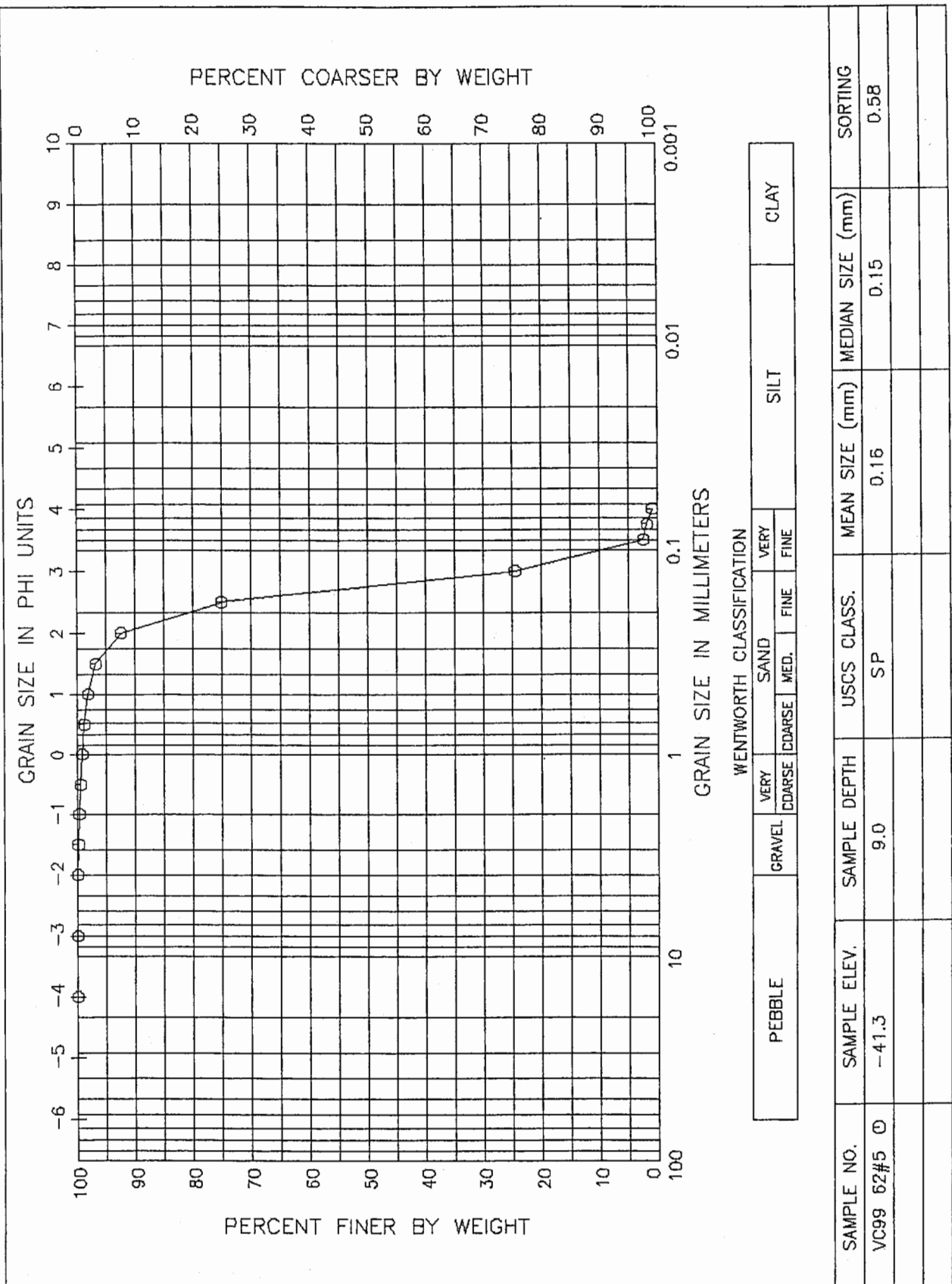
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 62#1 ①	-32.7	0.4	SP	0.38	0.36	1.29

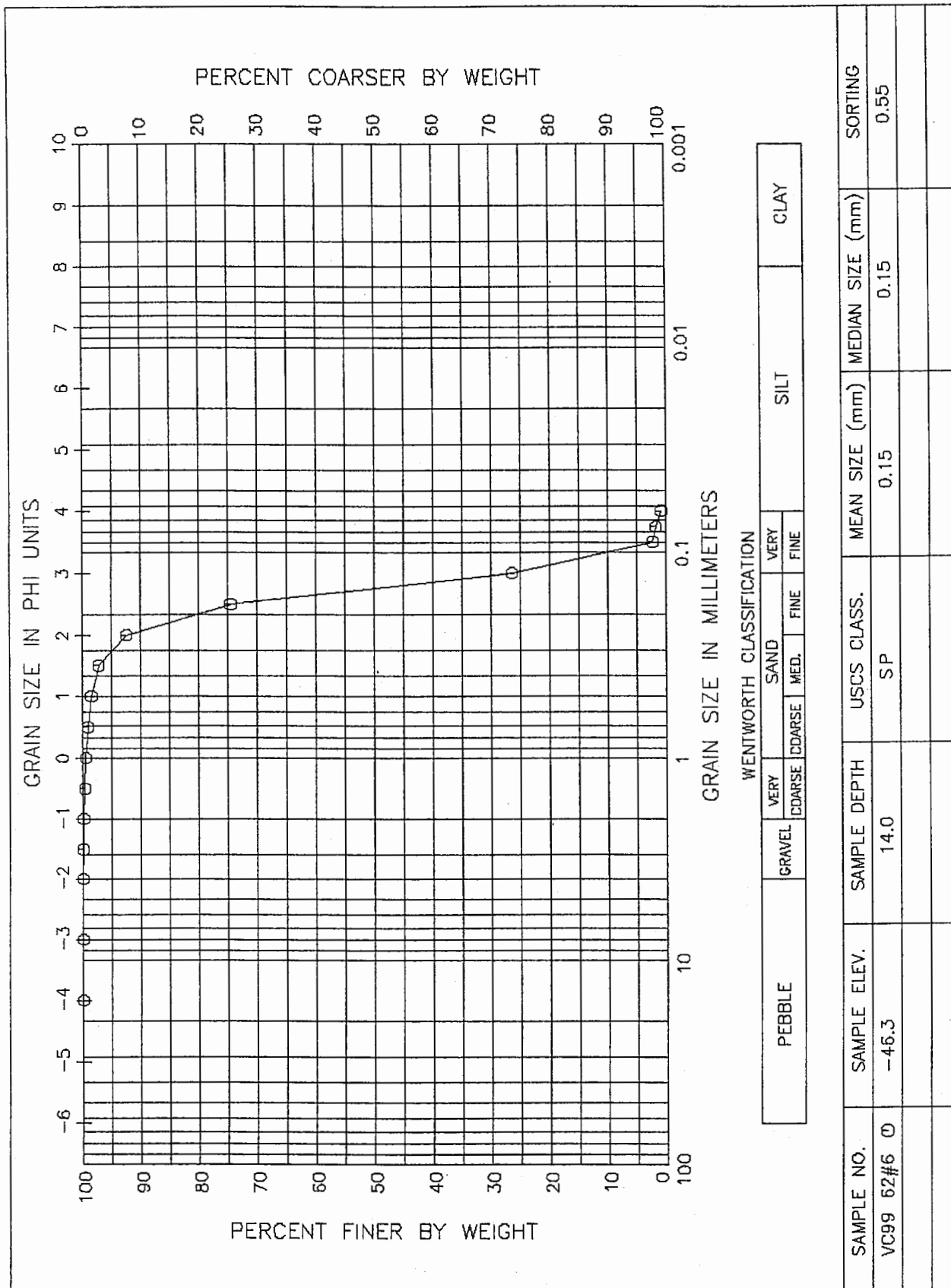
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH











GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH