

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 72#1

SAMPLE ELEV. (FT. NGVD): -37.3

SAMPLE DEPTH (FT.): 3.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 194.84

SAMPLE WEIGHT AFTER WASH (GRAMS): 192.93

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	0.25	0.13	99.87
7	-1.50	2.800	0.36	0.18	99.82
10	-1.00	2.000	0.66	0.34	99.66
14	-0.50	1.400	1.67	0.86	99.14
18	0.00	1.000	2.90	1.49	98.51
25	0.50	0.710	5.21	2.67	97.33
35	1.00	0.500	9.29	4.77	95.23
45	1.50	0.355	14.09	7.23	92.77
60	2.00	0.250	22.13	11.36	88.64
80	2.50	0.180	42.17	21.64	78.36
120	3.00	0.125	129.13	66.27	33.73
170	3.50	0.090	191.84	98.46	1.54
200	3.75	0.075	192.79	98.95	1.05
230	4.00	0.063	193.88	99.51	0.49
PAN			194.84	100.00	0.00

PHI(5): 1.05

PHI(16): 2.23

PHI(25): 2.54

PHI(50): 2.82

PHI(75): 3.14

PHI(84): 3.28

PHI(95): 3.45

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.05%

SKEWNESS: -1.088

KURTOSIS: 1.644

GRAPHIC METHOD

MEAN (PHI): 2.56

SORTING: 0.52

MEAN (mm): 0.17

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.67

SORTING: 0.75

MEAN (mm): 0.16

DATA FILE NAME: VC99-72#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/10/99

SAMPLE NO.: VC99 72#2

SAMPLE ELEV. (FT. NGVD): -38.7

SAMPLE DEPTH (FT.): 4.4

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 181.01

SAMPLE WEIGHT AFTER WASH (GRAMS): 179.92

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	2.24	1.24	98.76
5	-2.00	4.000	3.68	2.03	97.97
7	-1.50	2.800	5.58	3.08	96.92
10	-1.00	2.000	9.27	5.12	94.88
14	-0.50	1.400	17.49	9.66	90.34
18	0.00	1.000	28.86	15.94	84.06
25	0.50	0.710	48.08	26.56	73.44
35	1.00	0.500	84.69	46.79	53.21
45	1.50	0.355	111.36	61.52	38.48
60	2.00	0.250	122.76	67.82	32.18
80	2.50	0.180	134.44	74.27	25.73
120	3.00	0.125	162.92	90.01	9.99
170	3.50	0.090	179.44	99.13	0.87
200	3.75	0.075	179.86	99.36	0.64
230	4.00	0.063	180.44	99.69	0.31
PAN			181.01	100.00	0.00

PHI(5): -1.03

PHI(16): 0.00

PHI(25): 0.43

PHI(50): 1.11

PHI(75): 2.52

PHI(84): 2.81

PHI(95): 3.27

SIEVE LOSS(g): 0.00

SILT/CLAY: 0.64%

SKEWNESS: 0.009

KURTOSIS: 0.841

GRAPHIC METHOD

MEAN (PHI): 1.23

SORTING: 1.40

MEAN (mm): 0.43

MEDIAN (mm): 0.46

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.22

SORTING: 1.39

MEAN (mm): 0.43

DATA FILE NAME: VC99-72#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 72#3

SAMPLE ELEV. (FT. NGVD): -43.3

SAMPLE DEPTH (FT.): 9.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 186.03

SAMPLE WEIGHT AFTER WASH (GRAMS): 182.28

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	0.05	0.03	99.97
7	-1.50	2.800	0.21	0.11	99.89
10	-1.00	2.000	0.53	0.28	99.72
14	-0.50	1.400	0.95	0.51	99.49
18	0.00	1.000	1.35	0.73	99.27
25	0.50	0.710	1.81	0.97	99.03
35	1.00	0.500	2.63	1.41	98.59
45	1.50	0.355	3.79	2.04	97.96
60	2.00	0.250	7.85	4.22	95.78
80	2.50	0.180	25.74	13.84	86.16
120	3.00	0.125	113.02	60.75	39.25
170	3.50	0.090	179.58	96.53	3.47
200	3.75	0.075	181.67	97.66	2.34
230	4.00	0.063	183.96	98.89	1.11
PAN			186.02	99.99	0.01

PHI (5): 2.04

PHI (16): 2.52

PHI (25): 2.62

PHI (50): 2.89

PHI (75): 3.20

PHI (84): 3.32

PHI (95): 3.48

SIEVE LOSS (g): 0.01

SILT/CLAY: 2.34%

SKEWNESS: -0.314

KURTOSIS: 1.016

GRAPHIC METHOD

MEAN (PHI): 2.85

SORTING: 0.40

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83

SORTING: 0.55

MEAN (mm): 0.14

DATA FILE NAME: VC99-72#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/10/99

SAMPLE NO.: VC99 72#4

SAMPLE ELEV. (FT. NGVD): -50.8

SAMPLE DEPTH (FT.): 16.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 196.05

SAMPLE WEIGHT AFTER WASH (GRAMS): 192.59

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	0.44	0.22	99.78
7	-1.50	2.800	0.63	0.32	99.68
10	-1.00	2.000	1.01	0.52	99.48
14	-0.50	1.400	1.61	0.82	99.18
18	0.00	1.000	2.42	1.23	98.77
25	0.50	0.710	3.53	1.80	98.20
35	1.00	0.500	5.51	2.81	97.19
45	1.50	0.355	8.05	4.11	95.89
60	2.00	0.250	14.62	7.46	92.54
80	2.50	0.180	32.91	16.79	83.21
120	3.00	0.125	126.30	64.42	35.58
170	3.50	0.090	191.18	97.52	2.48
200	3.75	0.075	192.25	98.06	1.94
230	4.00	0.063	194.27	99.09	0.91
PAN			196.04	99.99	0.01

PHI (5): 1.63

PHI (16): 2.46

PHI (25): 2.59

PHI (50): 2.85

PHI (75): 3.16

PHI (84): 3.30

PHI (95): 3.46

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.94%

SKEWNESS: -0.718

KURTOSIS: 1.307

GRAPHIC METHOD

MEAN (PHI): 2.74

SORTING: 0.42

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

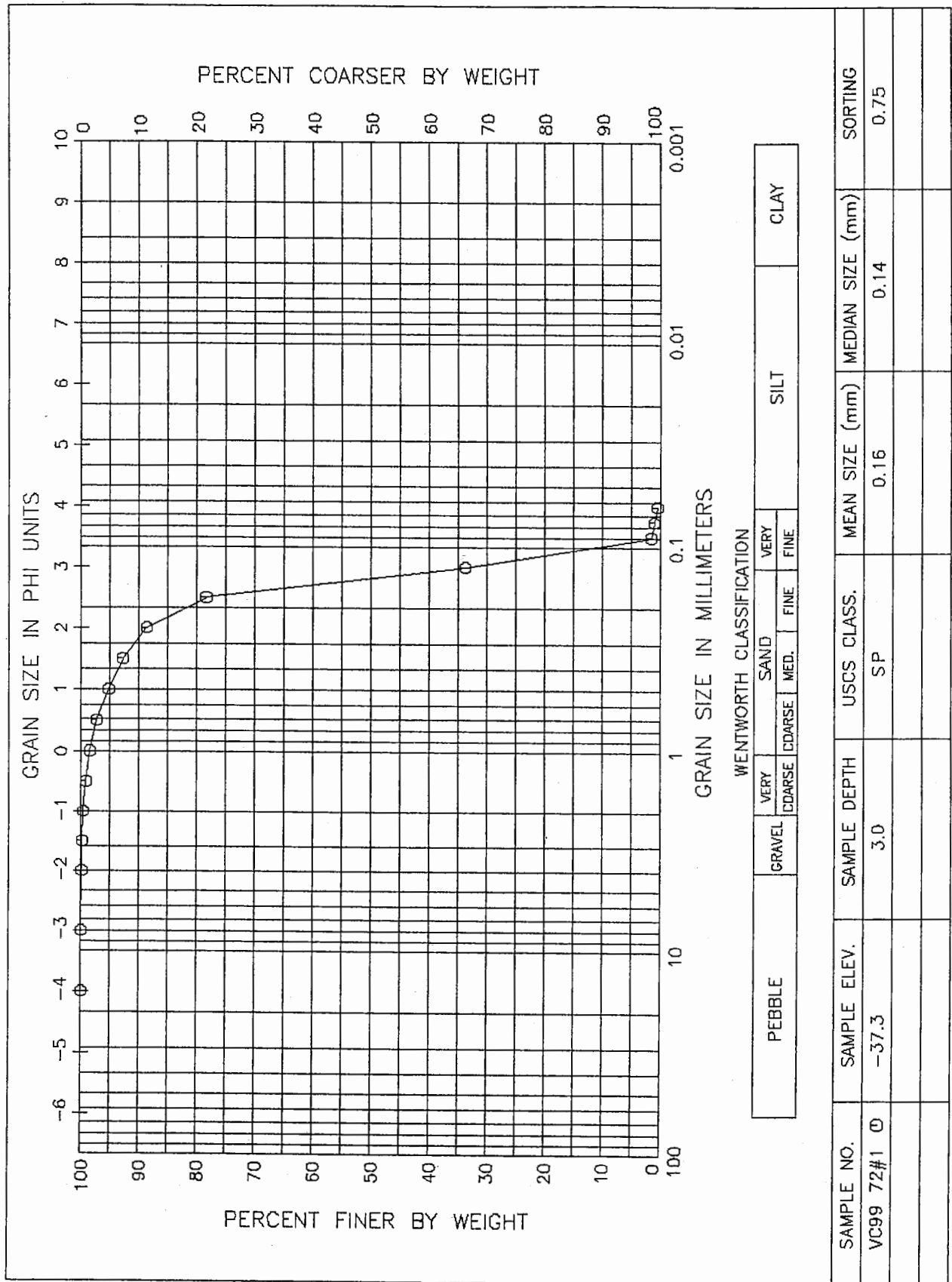
MOMENT METHOD

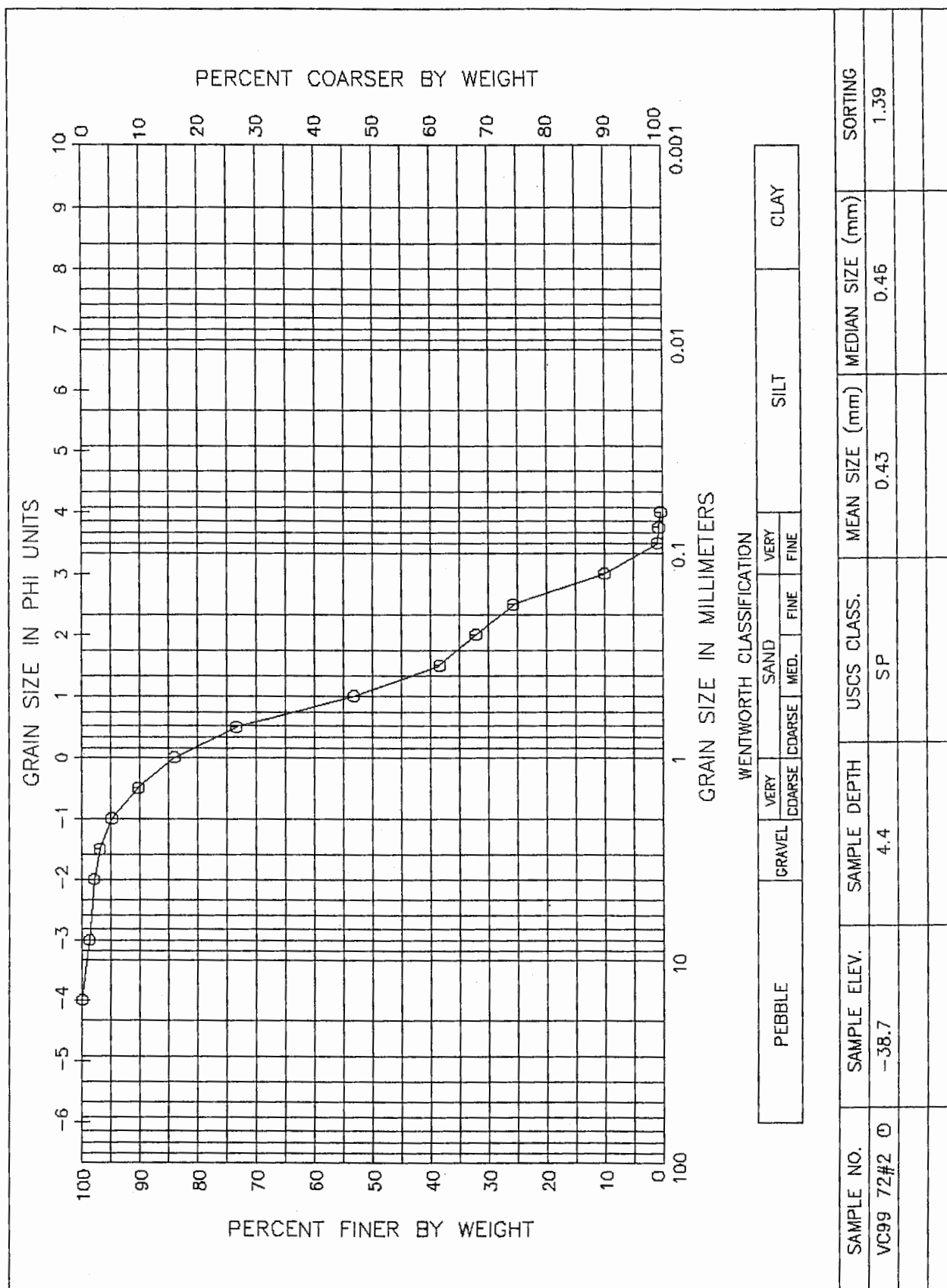
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SORTING: 0.67

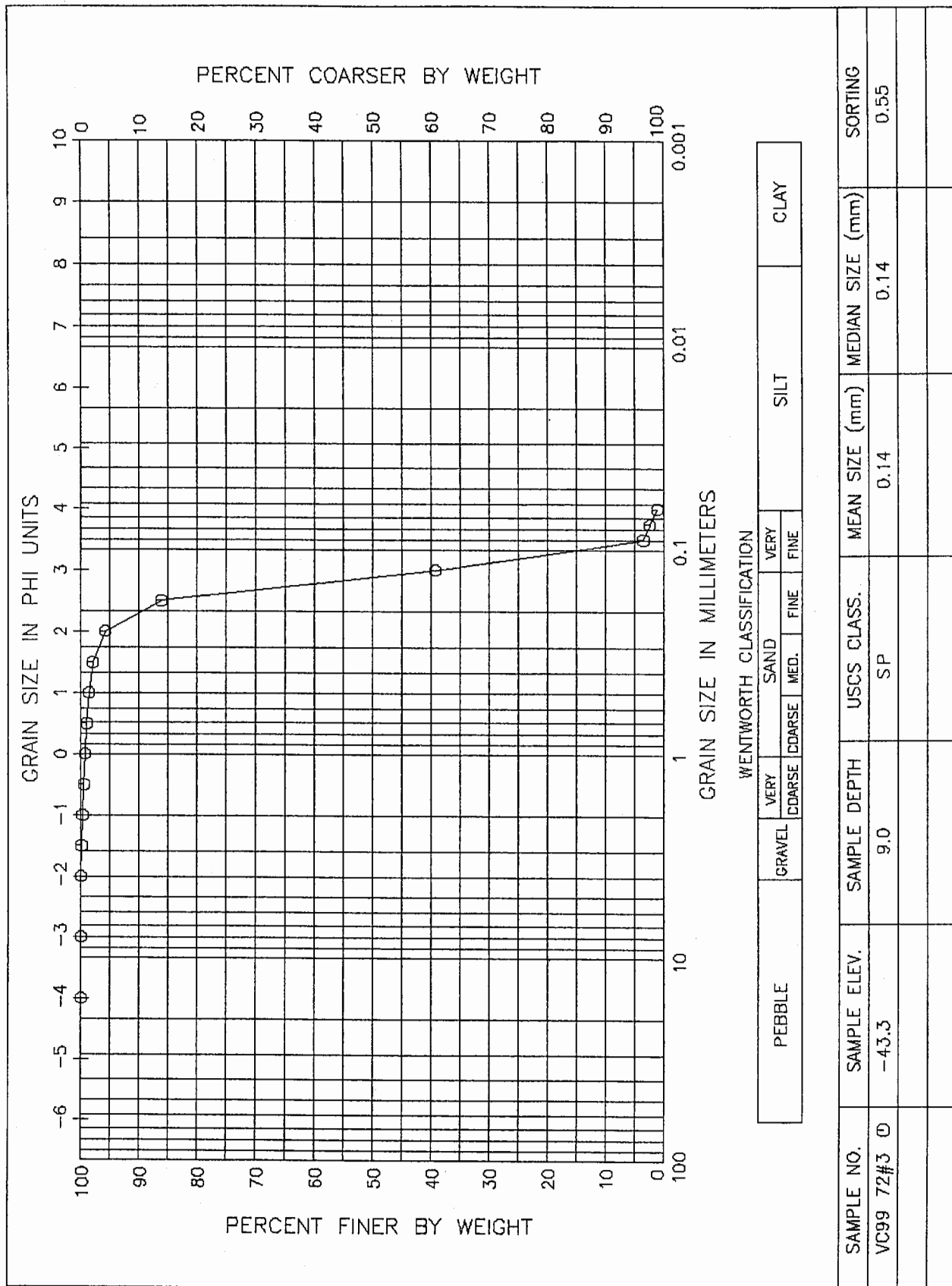
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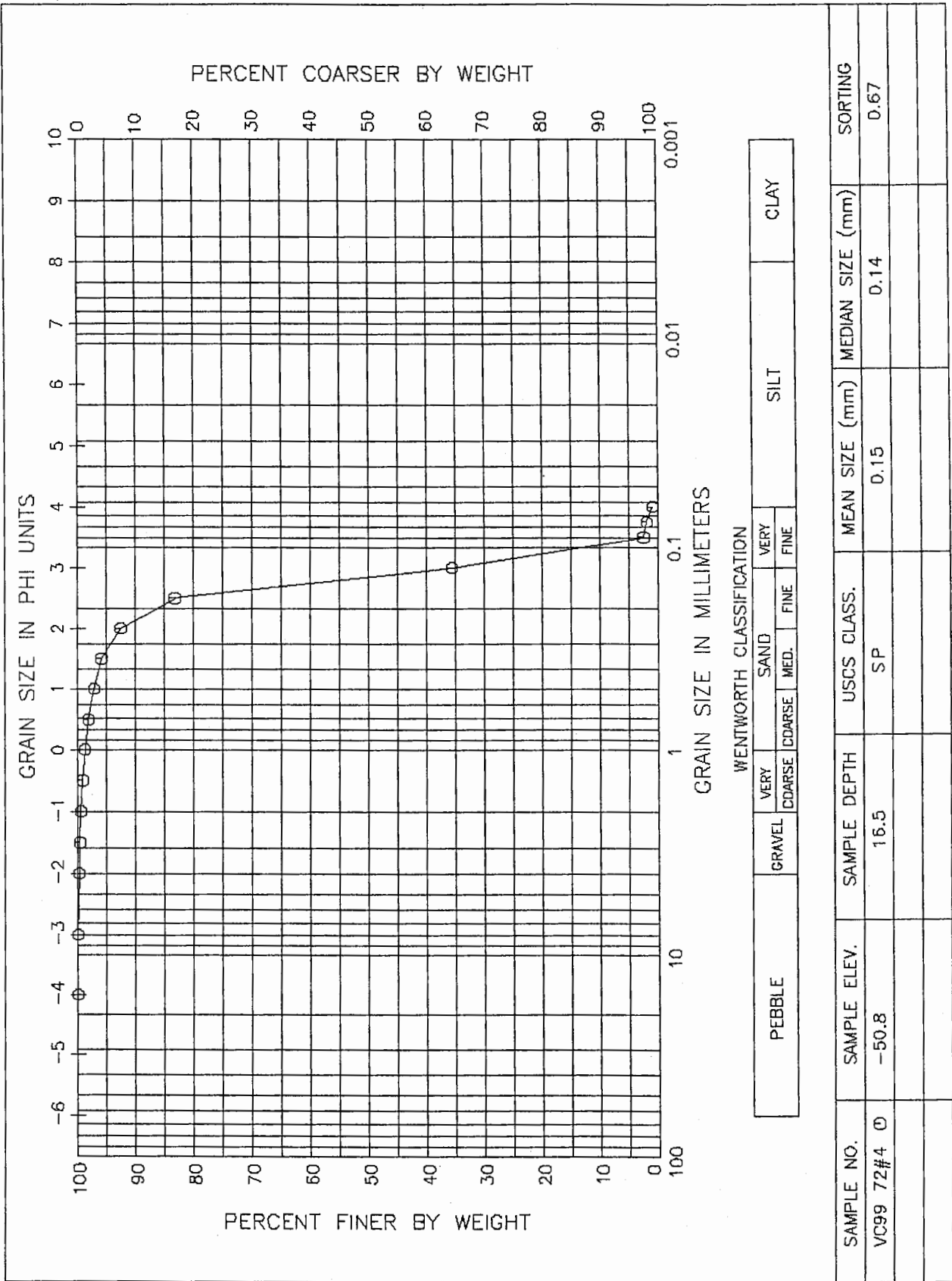
DATA FILE NAME: VC99-72#4.TAB





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH