

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

SAMPLE NO.: VC99 15#1
SAMPLE ELEV. (FT. NGVD): -48.9
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 91.33
SAMPLE WEIGHT AFTER WASH (GRAMS): 90.23

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	0.11	0.12	99.88
7	-1.50	2.800	0.17	0.19	99.81
10	-1.00	2.000	0.30	0.33	99.67
14	-0.50	1.400	0.48	0.53	99.47
18	0.00	1.000	0.61	0.67	99.33
25	0.50	0.710	0.77	0.84	99.16
35	1.00	0.500	1.09	1.19	98.81
45	1.50	0.355	1.61	1.76	98.24
60	2.00	0.250	3.17	3.47	96.53
80	2.50	0.180	10.67	11.68	88.32
120	3.00	0.125	60.54	66.29	33.71
170	3.50	0.090	88.77	97.20	2.80
200	3.75	0.075	90.02	98.57	1.43
230	4.00	0.063	90.58	99.18	0.82
PAN			91.29	99.96	0.04

PHI (5): 2.09 PHI (16): 2.54 PHI (25): 2.62
PHI (50): 2.85 PHI (75): 3.14 PHI (84): 3.29
PHI (95): 3.46

SIEVE LOSS (g): 0.04 SILT/CLAY: 1.43%
SKEWNESS: -0.193 KURTOSIS: 1.083

GRAPHIC METHOD

MEAN (PHI): 2.85 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.82 SORTING: 0.52
MEAN (mm): 0.14

DATA FILE NAME: VC99-15#1.TAB

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

SAMPLE NO.: VC99 15#2
SAMPLE ELEV. (FT. NGVD): -56.4
SAMPLE DEPTH (FT.): 9.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.66
SAMPLE WEIGHT AFTER WASH (GRAMS): 86.68

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	0.61	0.70	99.30
5	-2.00	4.000	0.66	0.75	99.25
7	-1.50	2.800	0.71	0.81	99.19
10	-1.00	2.000	0.76	0.87	99.13
14	-0.50	1.400	0.86	0.98	99.02
18	0.00	1.000	0.89	1.02	98.98
25	0.50	0.710	1.09	1.24	98.76
35	1.00	0.500	1.43	1.63	98.37
45	1.50	0.355	1.82	2.08	97.92
60	2.00	0.250	3.45	3.94	96.06
80	2.50	0.180	10.50	11.98	88.02
120	3.00	0.125	56.89	64.90	35.10
170	3.50	0.090	85.76	97.83	2.17
200	3.75	0.075	86.43	98.60	1.40
230	4.00	0.063	87.03	99.28	0.72
PAN			87.62	99.95	0.05

PHI (5): 2.07 PHI (16): 2.54 PHI (25): 2.62
PHI (50): 2.86 PHI (75): 3.15 PHI (84): 3.29
PHI (95): 3.46

SIEVE LOSS (g): 0.04 SILT/CLAY: 1.40%
SKEWNESS: -0.260 KURTOSIS: 1.075

GRAPHIC METHOD

MEAN (PHI): 2.84 SORTING: 0.38
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.79 SORTING: 0.71
MEAN (mm): 0.14

DATA FILE NAME: VC99-15#2.TAB

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

SAMPLE NO.: VC99 15#3
SAMPLE ELEV. (FT. NGVD): -60.4
SAMPLE DEPTH (FT.): 13.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.69
SAMPLE WEIGHT AFTER WASH (GRAMS): 80.68

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	0.00	0.00	100.00
7	-1.50	2.800	0.03	0.04	99.96
10	-1.00	2.000	0.03	0.04	99.96
14	-0.50	1.400	0.12	0.15	99.85
18	0.00	1.000	0.19	0.23	99.77
25	0.50	0.710	0.30	0.37	99.63
35	1.00	0.500	0.53	0.65	99.35
45	1.50	0.355	0.91	1.11	98.89
60	2.00	0.250	2.38	2.91	97.09
80	2.50	0.180	8.17	10.00	90.00
120	3.00	0.125	48.32	59.15	40.85
170	3.50	0.090	80.08	98.03	1.97
200	3.75	0.075	80.54	98.59	1.41
230	4.00	0.063	81.13	99.32	0.68
PAN			81.68	99.99	0.01

PHI (5): 2.15 PHI (16): 2.56 PHI (25): 2.65
PHI (50): 2.91 PHI (75): 3.20 PHI (84): 3.32
PHI (95): 3.46

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.41%
SKEWNESS: -0.271 KURTOSIS: 0.977

GRAPHIC METHOD

MEAN (PHI): 2.88 SORTING: 0.38
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88 SORTING: 0.44
MEAN (mm): 0.14

DATA FILE NAME: VC99-15#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 15#4
 SAMPLE ELEV. (FT. NGVD): -63.9
 SAMPLE DEPTH (FT.): 17.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.55
 SAMPLE WEIGHT AFTER WASH (GRAMS): 77.21

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	0.16	0.20	99.80
7	-1.50	2.800	0.41	0.52	99.48
10	-1.00	2.000	0.62	0.79	99.21
14	-0.50	1.400	0.96	1.22	98.78
18	0.00	1.000	1.07	1.36	98.64
25	0.50	0.710	1.22	1.55	98.45
35	1.00	0.500	1.48	1.88	98.12
45	1.50	0.355	2.01	2.56	97.44
60	2.00	0.250	3.44	4.38	95.62
80	2.50	0.180	9.28	11.81	88.19
120	3.00	0.125	50.44	64.21	35.79
170	3.50	0.090	75.83	96.54	3.46
200	3.75	0.075	76.55	97.45	2.55
230	4.00	0.063	77.79	99.03	0.97
PAN			78.52	99.96	0.04

PHI(5): 2.04 PHI(16): 2.54 PHI(25): 2.63
 PHI(50): 2.86 PHI(75): 3.17 PHI(84): 3.31
 PHI(95): 3.48

SIEVE LOSS(g): 0.03 SILT/CLAY: 2.55%
 SKEWNESS: -0.275 KURTOSIS: 1.087

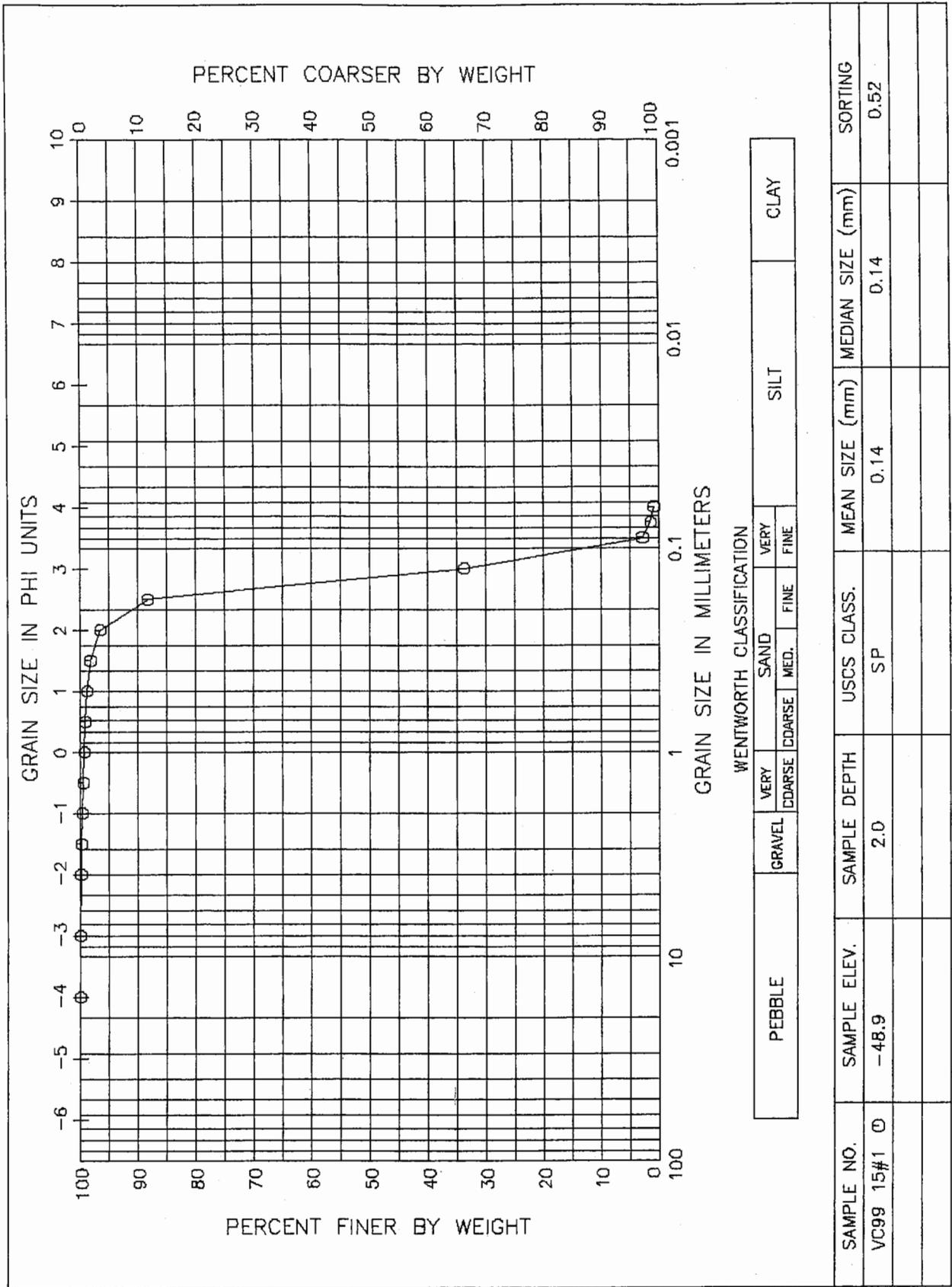
GRAPHIC METHOD

MEAN (PHI): 2.85 SORTING: 0.38
 MEAN (mm) : 0.14 MEDIAN (mm): 0.14
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

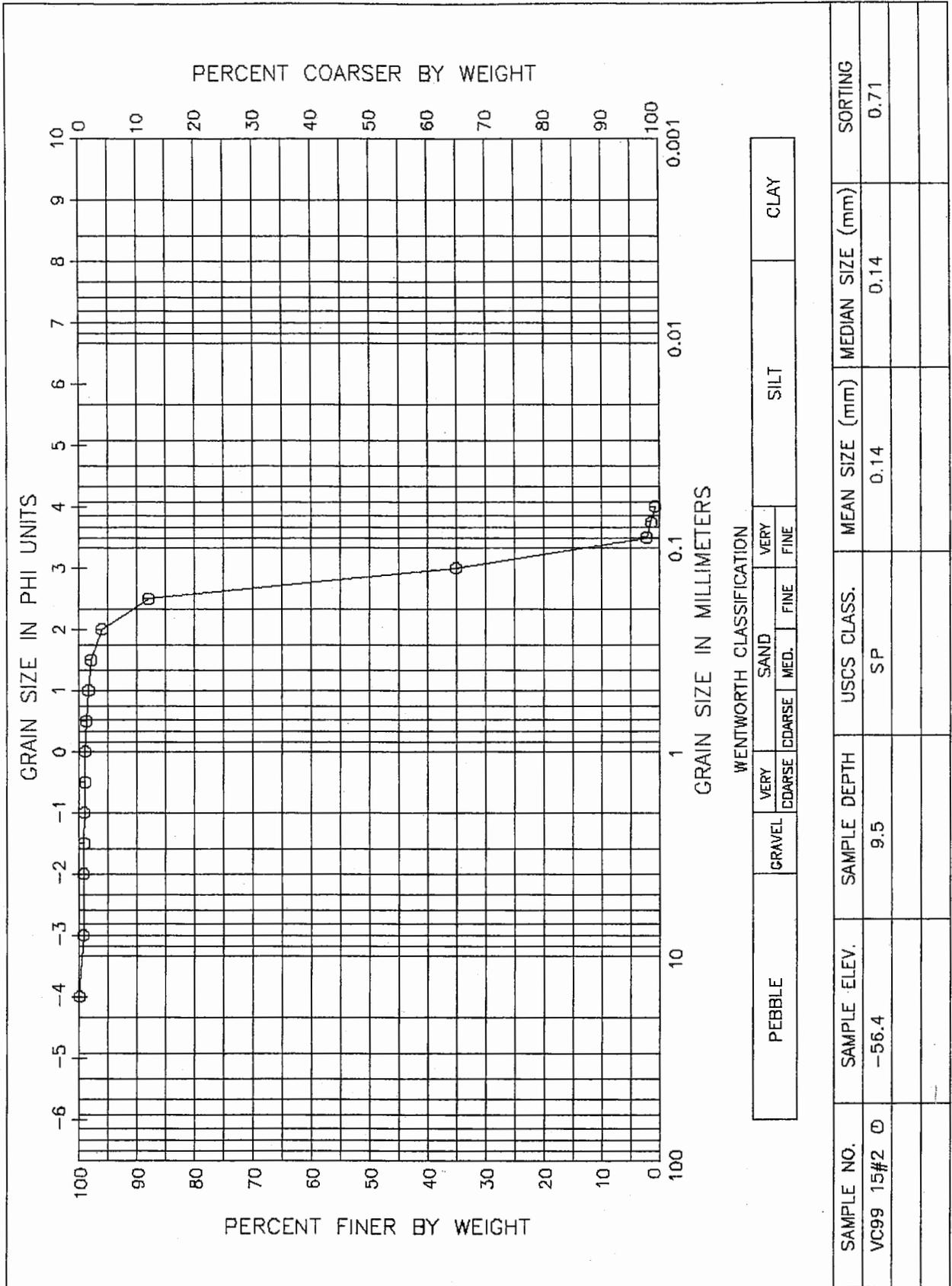
MOMENT METHOD

MEAN (PHI): 2.81 SORTING: 0.64
 MEAN (mm) : 0.14

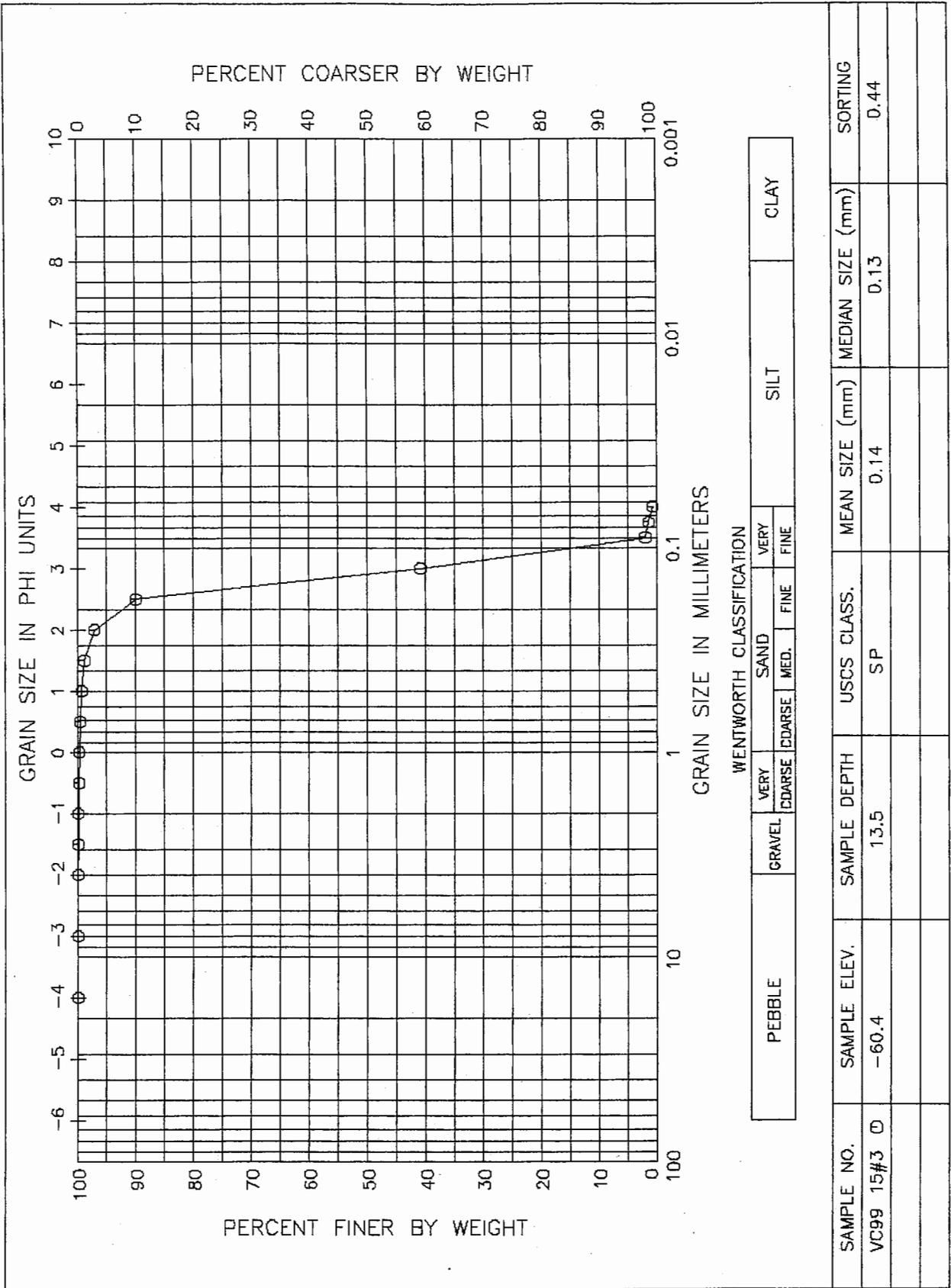
DATA FILE NAME: VC99-15#4.TAB



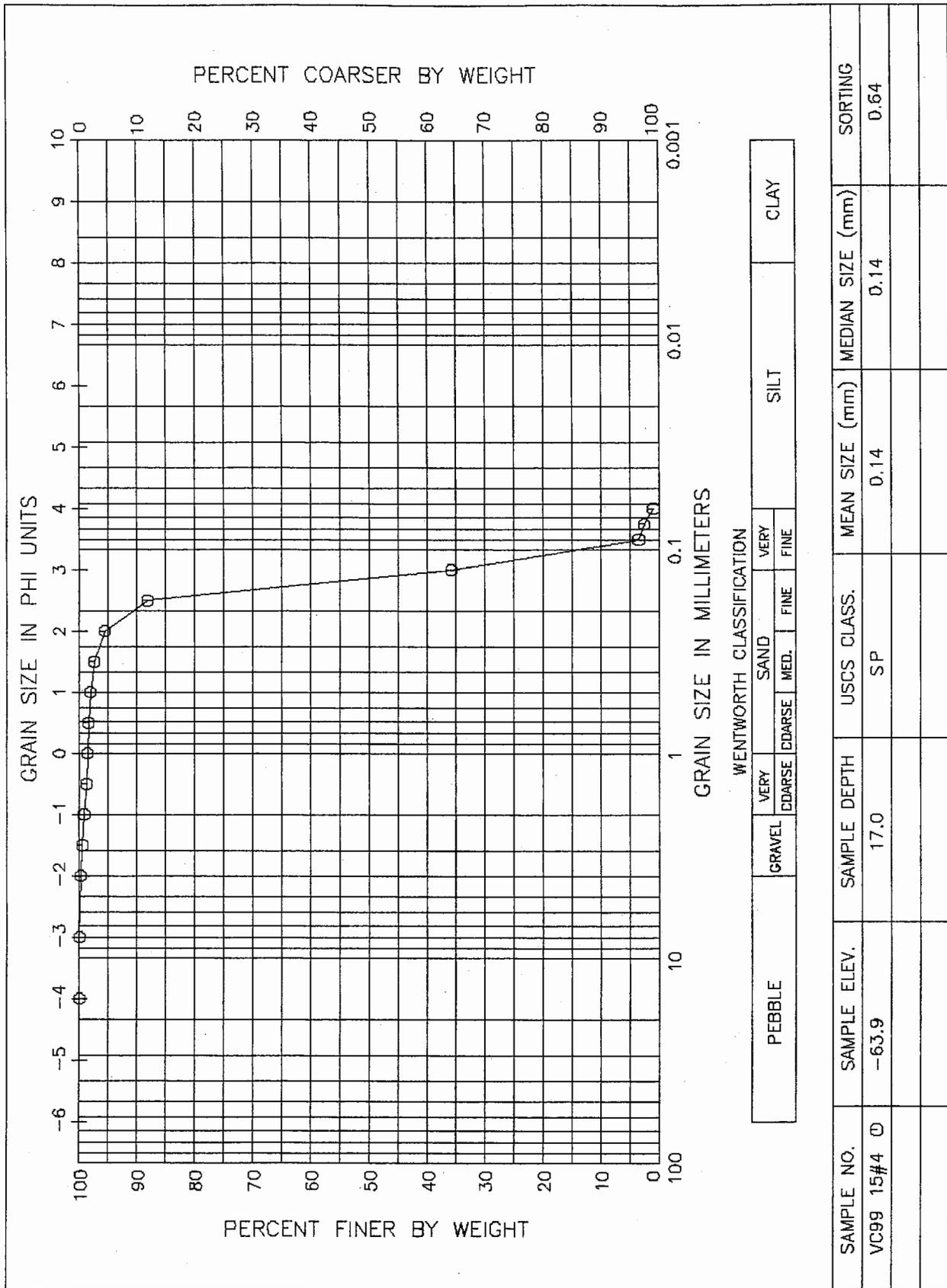
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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