

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

SAMPLE NO.: VC99 54#1
SAMPLE ELEV. (FT. NGVD): -48.5
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 192.91
SAMPLE WEIGHT AFTER WASH (GRAMS): 190.06

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	0.34	0.18	99.82
7	-1.50	2.800	0.74	0.38	99.62
10	-1.00	2.000	1.56	0.81	99.19
14	-0.50	1.400	2.70	1.40	98.60
18	0.00	1.000	4.00	2.07	97.93
25	0.50	0.710	5.51	2.86	97.14
35	1.00	0.500	6.81	3.53	96.47
45	1.50	0.355	8.08	4.19	95.81
60	2.00	0.250	10.90	5.65	94.35
80	2.50	0.180	23.89	12.38	87.62
120	3.00	0.125	103.36	53.58	46.42
170	3.50	0.090	186.89	96.88	3.12
200	3.75	0.075	189.64	98.30	1.70
230	4.00	0.063	191.43	99.23	0.77
PAN			192.91	100.00	0.00

PHI (5): 1.78 PHI (16): 2.54 PHI (25): 2.65
PHI (50): 2.96 PHI (75): 3.25 PHI (84): 3.35
PHI (95): 3.48

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.70%
SKEWNESS: -0.814 KURTOSIS: 1.173

GRAPHIC METHOD

MEAN (PHI): 2.82 SORTING: 0.40
MEAN (mm): 0.14 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.82 SORTING: 0.74
MEAN (mm): 0.14

DATA FILE NAME: VC99-54#1.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: VC99 54#2
 SAMPLE ELEV. (FT. NGVD): -53.5
 SAMPLE DEPTH (FT.): 9.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 160.71
 SAMPLE WEIGHT AFTER WASH (GRAMS): 158.07

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	0.07	0.04	99.96
10	-1.00	2.000	0.15	0.09	99.91
14	-0.50	1.400	0.35	0.22	99.78
18	0.00	1.000	0.70	0.44	99.56
25	0.50	0.710	1.13	0.70	99.30
35	1.00	0.500	1.64	1.02	98.98
45	1.50	0.355	2.26	1.41	98.59
60	2.00	0.250	4.14	2.58	97.42
80	2.50	0.180	15.05	9.36	90.64
120	3.00	0.125	85.80	53.39	46.61
170	3.50	0.090	155.42	96.71	3.29
200	3.75	0.075	157.45	97.97	2.03
230	4.00	0.063	159.20	99.06	0.94
PAN			160.69	99.99	0.01

PHI (5): 2.18 PHI (16): 2.58 PHI (25): 2.68
 PHI (50): 2.96 PHI (75): 3.25 PHI (84): 3.35
 PHI (95): 3.48

SIEVE LOSS (g): 0.02 SILT/CLAY: 2.03%
 SKEWNESS: -0.340 KURTOSIS: 0.933

GRAPHIC METHOD

MEAN (PHI): 2.91 SORTING: 0.39
 MEAN (mm): 0.13 MEDIAN (mm): 0.13
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.91 SORTING: 0.48
 MEAN (mm): 0.13

DATA FILE NAME: VC99-54#2.TAB

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

SAMPLE NO.: VC99 54#3
SAMPLE ELEV. (FT. NGVD): -58.5
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 213.18
SAMPLE WEIGHT AFTER WASH (GRAMS): 209.97

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	0.04	0.02	99.98
7	-1.50	2.800	0.21	0.10	99.90
10	-1.00	2.000	0.65	0.30	99.70
14	-0.50	1.400	1.24	0.58	99.42
18	0.00	1.000	1.88	0.88	99.12
25	0.50	0.710	2.49	1.17	98.83
35	1.00	0.500	3.39	1.59	98.41
45	1.50	0.355	4.84	2.27	97.73
60	2.00	0.250	9.32	4.37	95.63
80	2.50	0.180	31.46	14.76	85.24
120	3.00	0.125	145.19	68.11	31.89
170	3.50	0.090	207.90	97.52	2.48
200	3.75	0.075	209.52	98.28	1.72
230	4.00	0.063	211.46	99.20	0.80
PAN			213.16	99.99	0.01

PHI(5): 2.03 PHI(16): 2.51 PHI(25): 2.60
PHI(50): 2.83 PHI(75): 3.12 PHI(84): 3.27
PHI(95): 3.46

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.72%
SKEWNESS: -0.228 KURTOSIS: 1.122

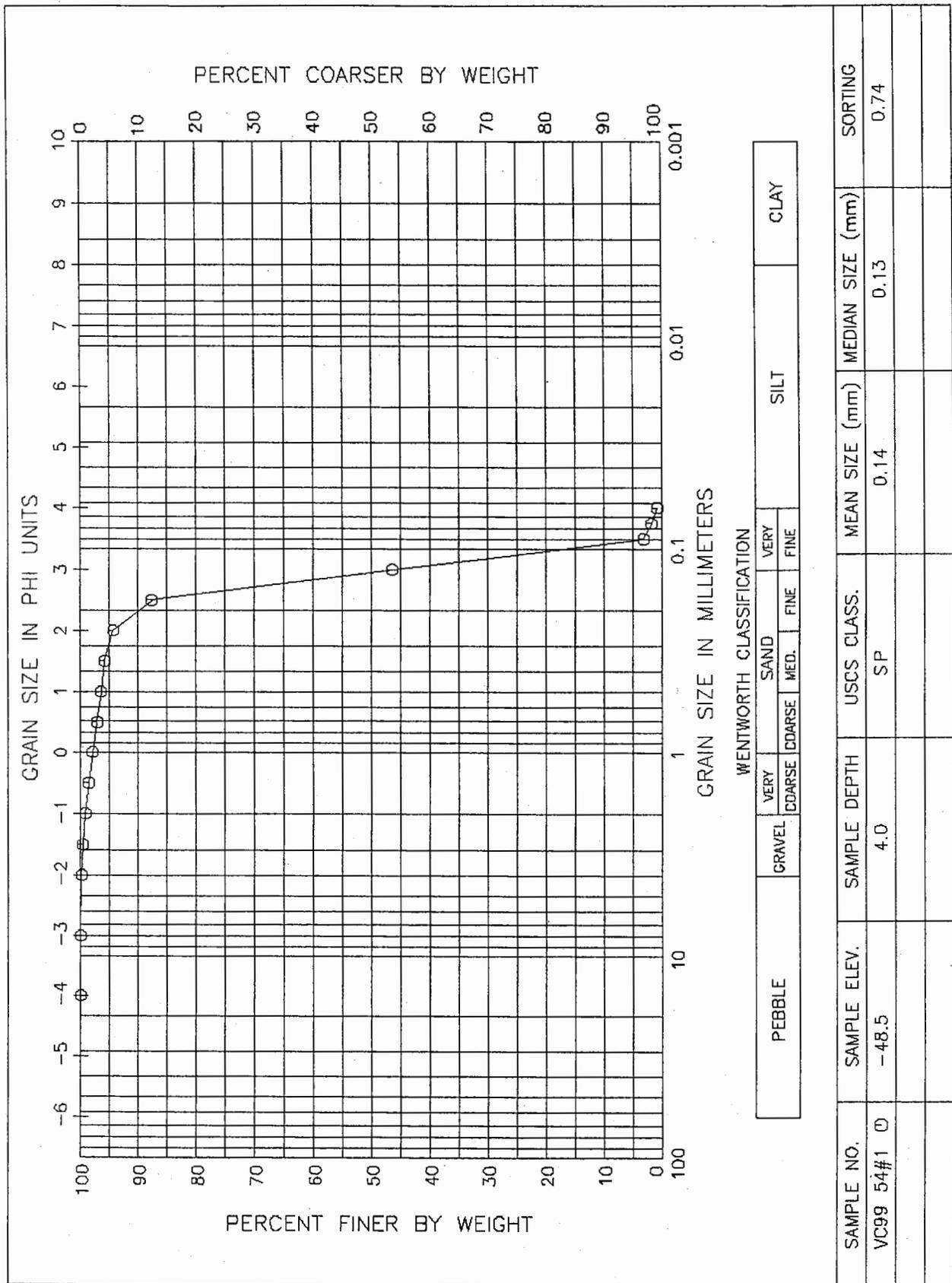
GRAPHIC METHOD

MEAN (PHI): 2.82 SORTING: 0.38
MEAN (mm) : 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

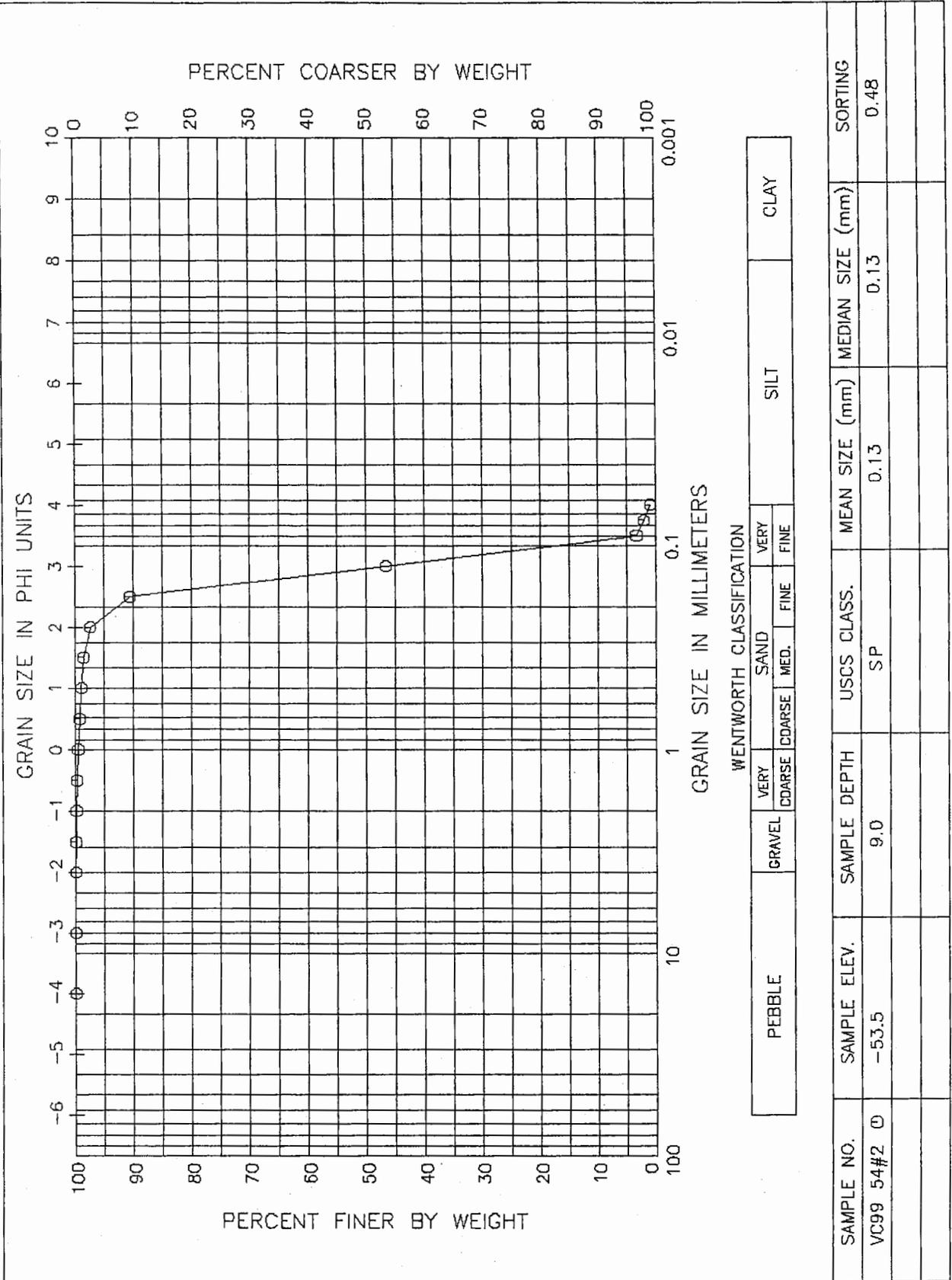
MOMENT METHOD

MEAN (PHI): 2.78 SORTING: 0.55
MEAN (mm) : 0.15

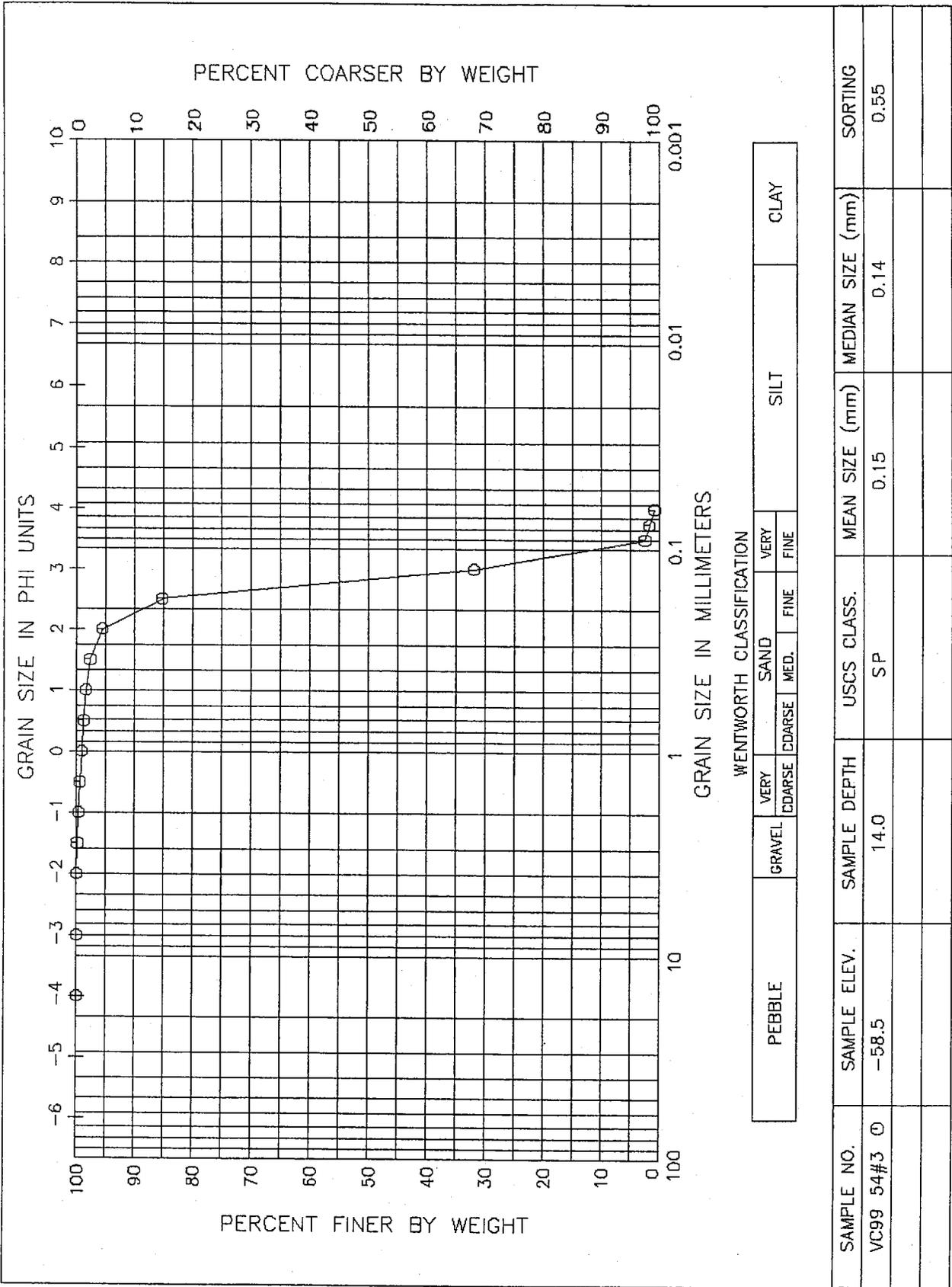
DATA FILE NAME: VC99-54#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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