

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW ON: 5/11/99

SAMPLE NO.: VC99 8#1  
SAMPLE ELEV. (FT. NGVD): -62.0  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 85.19  
SAMPLE WEIGHT AFTER WASH (GRAMS): 83.62

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	0.23	0.27	99.73
5	-2.00	4.000	0.27	0.32	99.68
7	-1.50	2.800	0.29	0.34	99.66
10	-1.00	2.000	0.38	0.45	99.55
14	-0.50	1.400	0.49	0.58	99.42
18	0.00	1.000	0.60	0.70	99.30
25	0.50	0.710	0.79	0.93	99.07
35	1.00	0.500	1.02	1.20	98.80
45	1.50	0.355	1.35	1.58	98.42
60	2.00	0.250	2.26	2.65	97.35
80	2.50	0.180	7.16	8.40	91.60
120	3.00	0.125	59.12	69.40	30.60
170	3.50	0.090	82.44	96.77	3.23
200	3.75	0.075	83.40	97.90	2.10
230	4.00	0.063	84.24	98.88	1.12
PAN			85.17	99.98	0.02

PHI(5): 2.20            PHI(16): 2.56            PHI(25): 2.64  
PHI(50): 2.84           PHI(75): 3.10            PHI(84): 3.27  
PHI(95): 3.47

SIEVE LOSS(g): 0.02                            SILT/CLAY: 2.10%  
SKEWNESS: -0.015                                KURTOSIS: 1.111

GRAPHIC METHOD

MEAN (PHI): 2.87                                SORTING: 0.35  
MEAN (mm) : 0.14                                MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.82                                SORTING: 0.56  
MEAN (mm) : 0.14

DATA FILE NAME: VC99-8#1.TAB

GRADATION ANALYSIS REPORT  
 TOWN OF PALM BEACH  
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SAMPLE NO.: VC99 8#2  
 SAMPLE ELEV. (FT. NGVD): -66.5  
 SAMPLE DEPTH (FT.): 6.5  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 84.03  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 82.43

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	0.02	0.02	99.98
10	-1.00	2.000	0.09	0.11	99.89
14	-0.50	1.400	0.15	0.18	99.82
18	0.00	1.000	0.25	0.30	99.70
25	0.50	0.710	0.35	0.42	99.58
35	1.00	0.500	0.59	0.70	99.30
45	1.50	0.355	0.91	1.08	98.92
60	2.00	0.250	1.92	2.28	97.72
80	2.50	0.180	5.83	6.94	93.06
120	3.00	0.125	34.82	41.44	58.56
170	3.50	0.090	78.74	93.70	6.30
200	3.75	0.075	81.84	97.39	2.61
230	4.00	0.063	83.13	98.93	1.07
PAN			84.03	100.00	0.00

PHI (5): 2.29      PHI (16): 2.63      PHI (25): 2.76  
 PHI (50): 3.08      PHI (75): 3.32      PHI (84): 3.41  
 PHI (95): 3.59

SIEVE LOSS (g): 0.00      SILT/CLAY: 2.61%  
 SKEWNESS: -0.366      KURTOSIS: 0.950

GRAPHIC METHOD

MEAN (PHI): 3.00      SORTING: 0.39  
 MEAN (mm): 0.13      MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 3.00      SORTING: 0.45  
 MEAN (mm): 0.12

DATA FILE NAME: VC99-8#2.TAB

GRADATION ANALYSIS REPORT  
 TOWN OF PALM BEACH  
 TESTED BY: RW            ON: 5/11/99

SAMPLE NO.: VC99 8#3  
 SAMPLE ELEV. (FT. NGVD): -73.0  
 SAMPLE DEPTH (FT.): 13.0  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 80.95  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 79.03

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	0.02	0.02	99.98
7	-1.50	2.800	0.05	0.06	99.94
10	-1.00	2.000	0.14	0.17	99.83
14	-0.50	1.400	0.29	0.36	99.64
18	0.00	1.000	0.44	0.54	99.46
25	0.50	0.710	0.70	0.86	99.14
35	1.00	0.500	1.31	1.62	98.38
45	1.50	0.355	2.39	2.95	97.05
60	2.00	0.250	4.65	5.74	94.26
80	2.50	0.180	12.22	15.10	84.90
120	3.00	0.125	56.89	70.28	29.72
170	3.50	0.090	78.10	96.48	3.52
200	3.75	0.075	78.83	97.38	2.62
230	4.00	0.063	79.79	98.57	1.43
PAN			80.95	100.00	0.00

PHI(5): 1.87            PHI(16): 2.51            PHI(25): 2.59  
 PHI(50): 2.82            PHI(75): 3.09            PHI(84): 3.26  
 PHI(95): 3.47

SIEVE LOSS(g): 0.00            SILT/CLAY: 2.62%  
 SKEWNESS: -0.390            KURTOSIS: 1.315

GRAPHIC METHOD

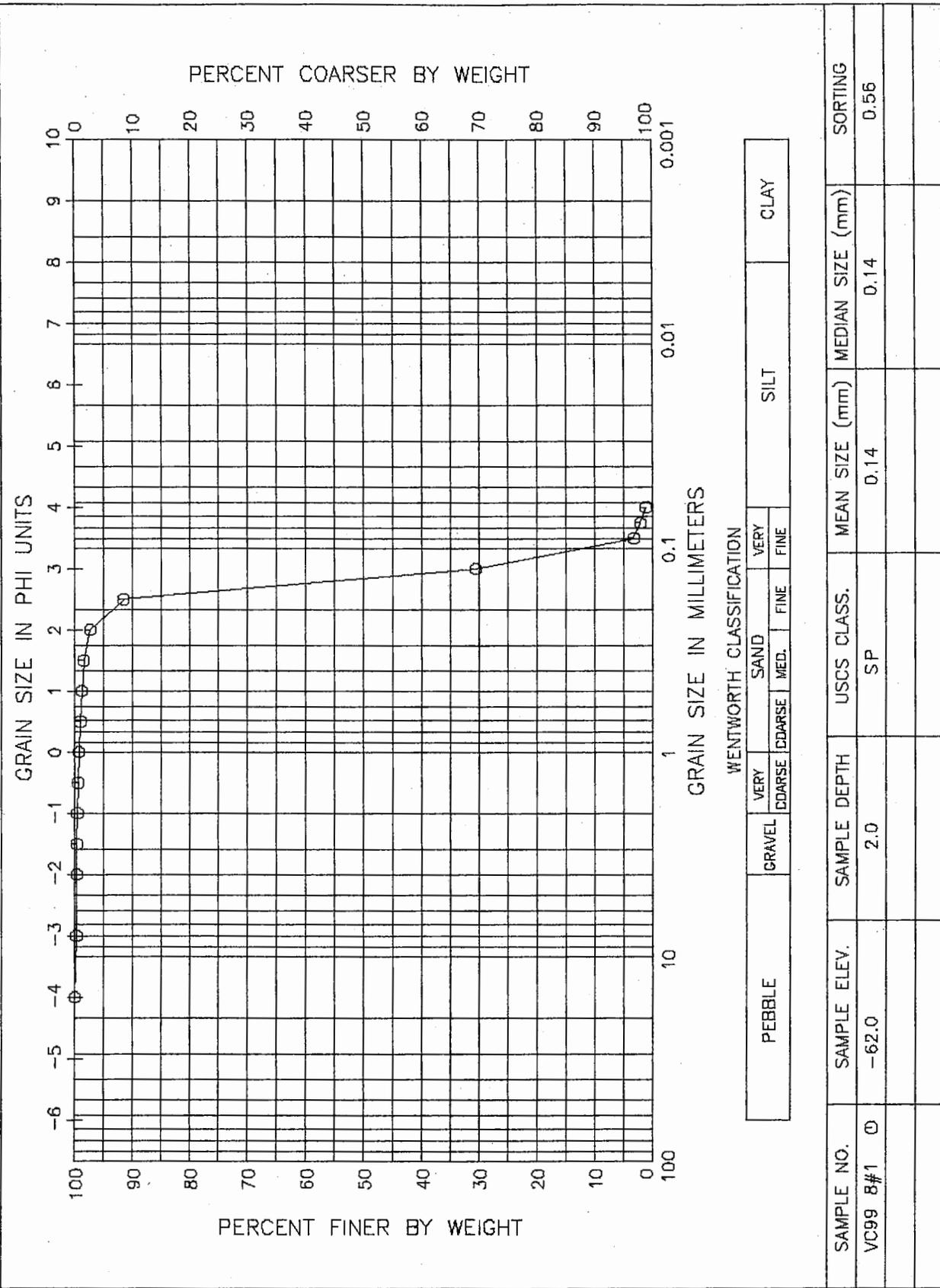
MEAN (PHI): 2.78            SORTING: 0.38  
 MEAN (mm): 0.15            MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

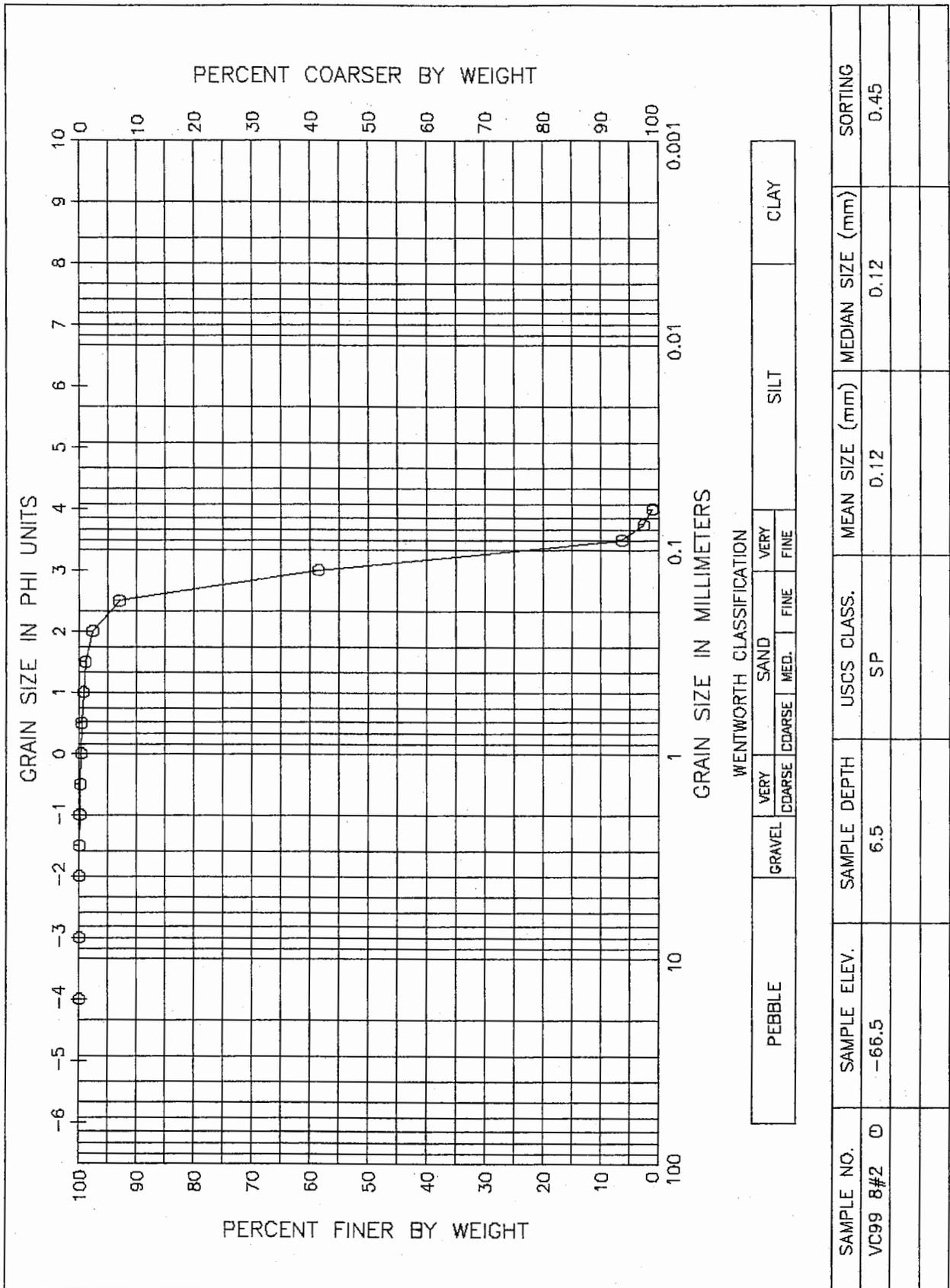
MOMENT METHOD

MEAN (PHI): 2.77            SORTING: 0.54  
 MEAN (mm): 0.15

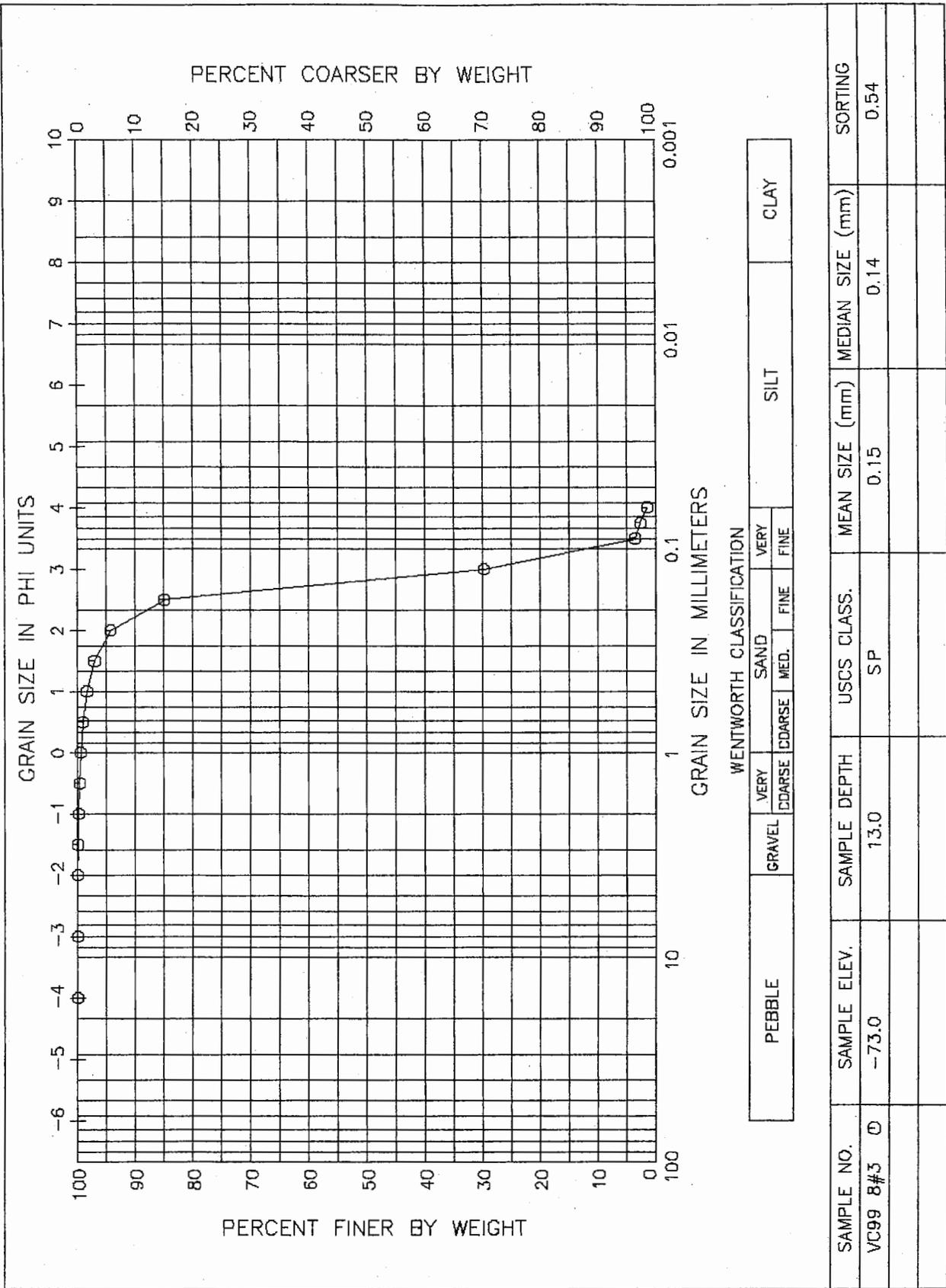
DATA FILE NAME: VC99-8#3.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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