

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 16#1  
 SAMPLE ELEV. (FT. NGVD): -57.8  
 SAMPLE DEPTH (FT.): 3.0  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.17  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 80.27

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	0.05	99.95
7	-1.50	2.800	0.12	0.15	99.85
10	-1.00	2.000	0.22	0.27	99.73
14	-0.50	1.400	0.39	0.48	99.52
18	0.00	1.000	0.48	0.59	99.41
25	0.50	0.710	0.64	0.79	99.21
35	1.00	0.500	0.90	1.11	98.89
45	1.50	0.355	1.21	1.49	98.51
60	2.00	0.250	2.24	2.76	97.24
80	2.50	0.180	8.04	9.91	90.09
120	3.00	0.125	51.62	63.59	36.41
170	3.50	0.090	79.57	98.03	1.97
200	3.75	0.075	80.09	98.67	1.33
230	4.00	0.063	80.64	99.35	0.65
PAN			81.14	99.96	0.04

PHI (5): 2.16                      PHI (16): 2.56                      PHI (25): 2.64  
 PHI (50): 2.87                      PHI (75): 3.17                      PHI (84): 3.30  
 PHI (95): 3.46

SIEVE LOSS (g): 0.03                      SILT/CLAY: 1.33%  
 SKEWNESS: -0.181                      KURTOSIS: 1.014

## GRAPHIC METHOD

MEAN (PHI): 2.87                      SORTING: 0.37  
 MEAN (mm): 0.14                      MEDIAN (mm): 0.14  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.85                      SORTING: 0.49  
 MEAN (mm): 0.14

DATA FILE NAME: VC99-16#1.TAB

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

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SAMPLE NO.: VC99 16#2  
SAMPLE ELEV. (FT. NGVD): -63.3  
SAMPLE DEPTH (FT.): 8.5  
SAMPLE TYPE: CORE SAMPLE  
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USCS DESCRIPTION: SP  
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DRY SAMPLE WEIGHT (GRAMS): 80.51  
SAMPLE WEIGHT AFTER WASH (GRAMS): 79.35  
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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	0.01	0.01	99.99
10	-1.00	2.000	0.04	0.05	99.95
14	-0.50	1.400	0.06	0.07	99.93
18	0.00	1.000	0.08	0.10	99.90
25	0.50	0.710	0.13	0.16	99.84
35	1.00	0.500	0.22	0.27	99.73
45	1.50	0.355	0.41	0.51	99.49
60	2.00	0.250	0.95	1.18	98.82
80	2.50	0.180	3.99	4.96	95.04
120	3.00	0.125	34.59	42.96	57.04
170	3.50	0.090	71.94	89.36	10.64
200	3.75	0.075	78.56	97.58	2.42
230	4.00	0.063	79.77	99.08	0.92
PAN			80.46	99.94	0.06

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PHI (5): 2.50            PHI (16): 2.65            PHI (25): 2.76  
PHI (50): 3.08            PHI (75): 3.35            PHI (84): 3.44  
PHI (95): 3.67  
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SIEVE LOSS (g): 0.05            SILT/CLAY: 2.42%  
SKEWNESS: 0.026            KURTOSIS: 0.825  
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GRAPHIC METHOD

MEAN (PHI): 3.07            SORTING: 0.40  
MEAN (mm) : 0.12            MEDIAN (mm): 0.12  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
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MOMENT METHOD

MEAN (PHI): 3.04            SORTING: 0.40  
MEAN (mm) : 0.12  
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DATA FILE NAME: VC99-16#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 16#3  
 SAMPLE ELEV. (FT. NGVD): -66.4  
 SAMPLE DEPTH (FT.): 11.6  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 79.38  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 78.47

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	0.01	0.01	99.99
10	-1.00	2.000	0.04	0.05	99.95
14	-0.50	1.400	0.08	0.10	99.90
18	0.00	1.000	0.11	0.14	99.86
25	0.50	0.710	0.17	0.21	99.79
35	1.00	0.500	0.36	0.45	99.55
45	1.50	0.355	0.70	0.88	99.12
60	2.00	0.250	1.98	2.49	97.51
80	2.50	0.180	8.16	10.28	89.72
120	3.00	0.125	46.17	58.16	41.84
170	3.50	0.090	76.88	96.85	3.15
200	3.75	0.075	78.16	98.46	1.54
230	4.00	0.063	78.82	99.29	0.71
PAN			79.34	99.95	0.05

PHI (5): 2.16                      PHI (16): 2.56                      PHI (25): 2.65  
 PHI (50): 2.91                      PHI (75): 3.22                      PHI (84): 3.33  
 PHI (95): 3.48

SIEVE LOSS (g): 0.04                      SILT/CLAY: 1.54%  
 SKEWNESS: -0.249                      KURTOSIS: 0.956

## GRAPHIC METHOD

MEAN (PHI): 2.89                      SORTING: 0.39  
 MEAN (mm): 0.13                      MEDIAN (mm): 0.13  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.89                      SORTING: 0.42  
 MEAN (mm): 0.13

DATA FILE NAME: VC99-16#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/1999

SAMPLE NO.: VC99 16#4  
 SAMPLE ELEV. (FT. NGVD): -71.3  
 SAMPLE DEPTH (FT.): 16.5  
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.45  
 SAMPLE WEIGHT AFTER WASH (GRAMS): 90.55

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	0.06	0.06	99.94
7	-1.50	2.800	0.10	0.11	99.89
10	-1.00	2.000	0.23	0.25	99.75
14	-0.50	1.400	0.40	0.43	99.57
18	0.00	1.000	0.53	0.57	99.43
25	0.50	0.710	0.82	0.89	99.11
35	1.00	0.500	1.34	1.45	98.55
45	1.50	0.355	2.32	2.51	97.49
60	2.00	0.250	4.33	4.68	95.32
80	2.50	0.180	11.90	12.87	87.13
120	3.00	0.125	59.94	64.84	35.16
170	3.50	0.090	88.84	96.10	3.90
200	3.75	0.075	90.07	97.43	2.57
230	4.00	0.063	91.25	98.70	1.30
PAN			92.41	99.96	0.04

PHI (5): 2.02                      PHI (16): 2.53                      PHI (25): 2.62  
 PHI (50): 2.86                      PHI (75): 3.16                      PHI (84): 3.31  
 PHI (95): 3.48

SIEVE LOSS (g): 0.04                      SILT/CLAY: 2.57%  
 SKEWNESS: -0.274                      KURTOSIS: 1.099

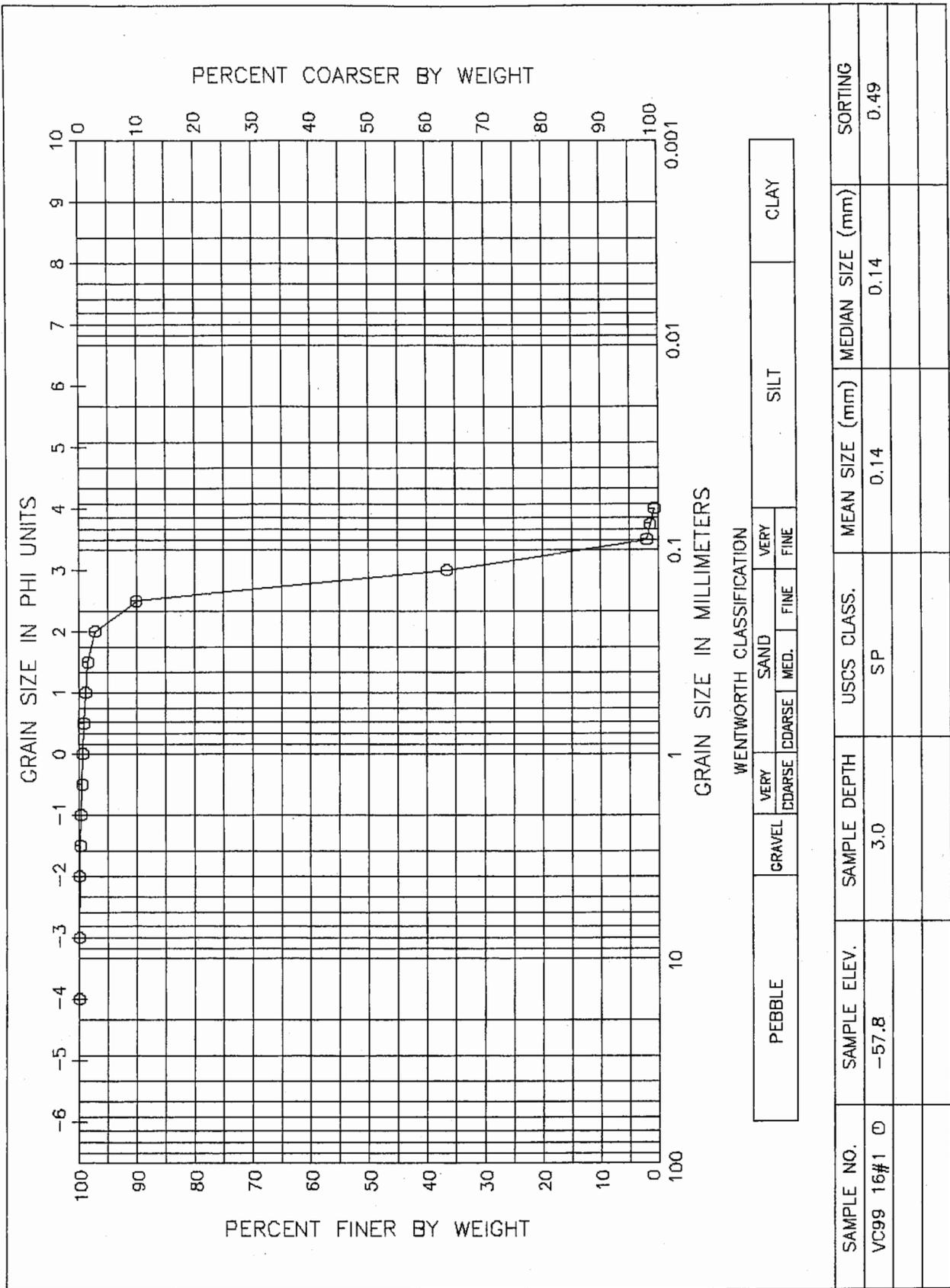
GRAPHIC METHOD

MEAN (PHI): 2.84                      SORTING: 0.39  
 MEAN (mm): 0.14                      MEDIAN (mm): 0.14  
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

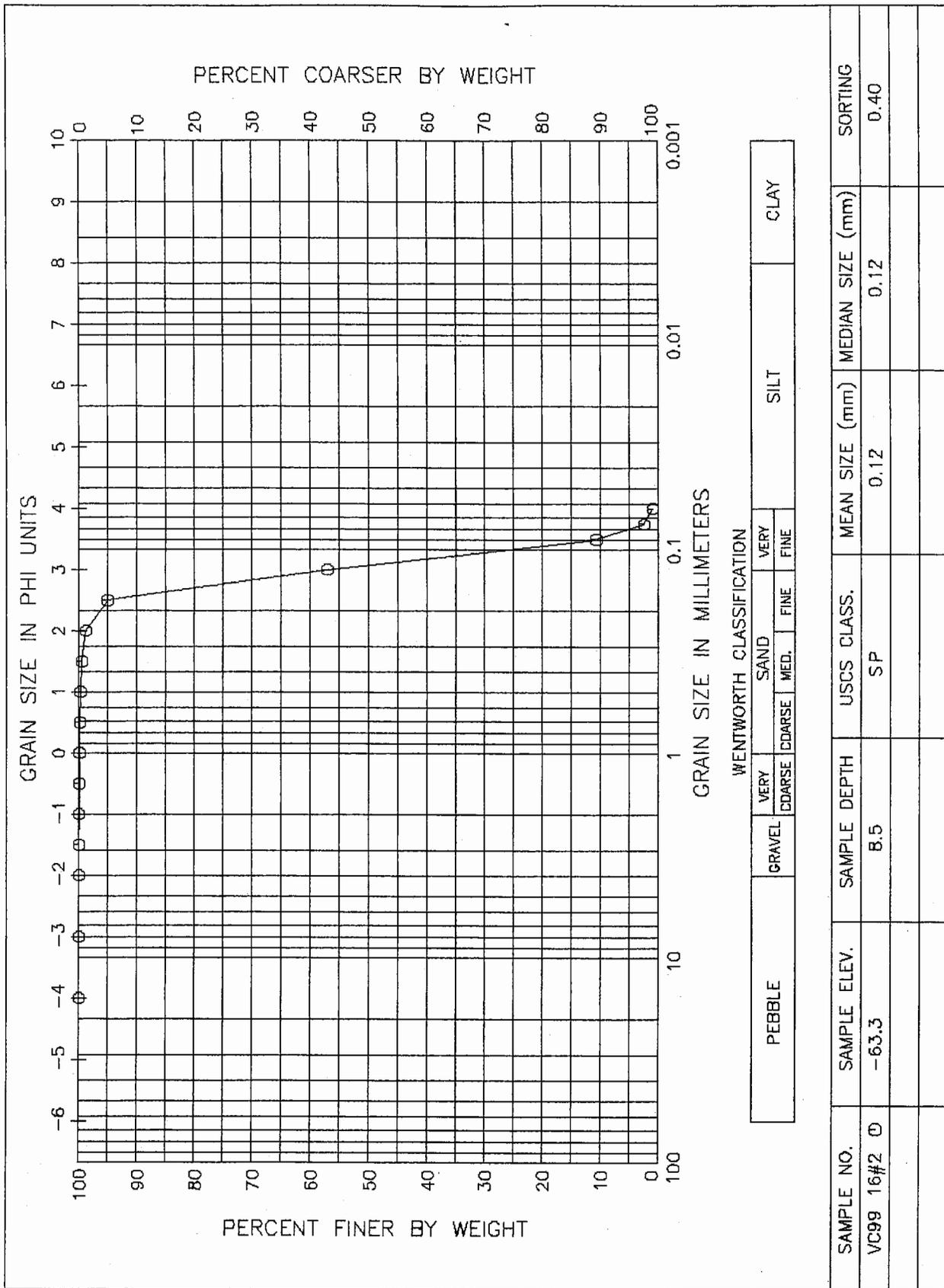
MOMENT METHOD

MEAN (PHI): 2.81                      SORTING: 0.54  
 MEAN (mm): 0.14

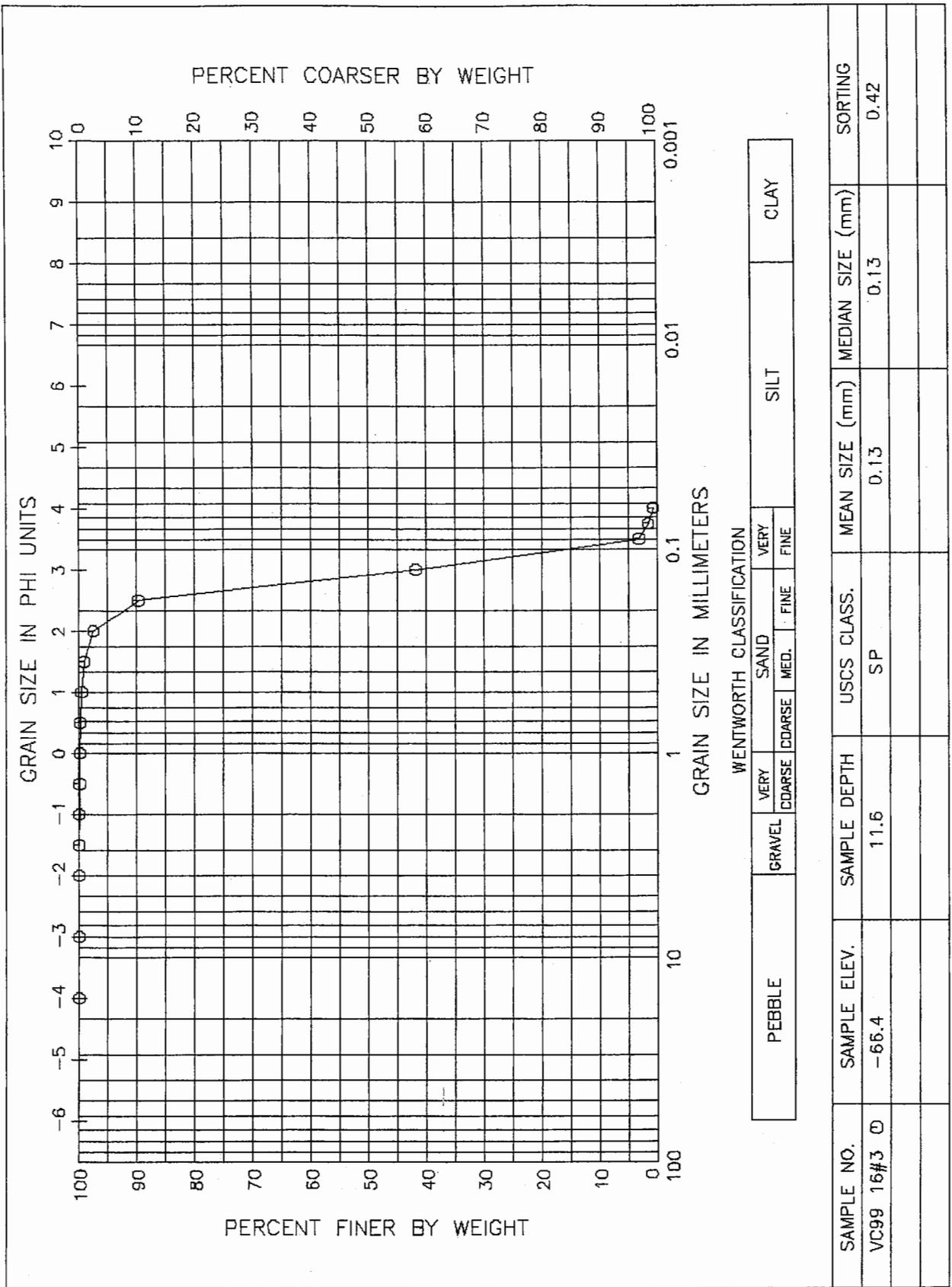
DATA FILE NAME: VC99-16#4.TAB



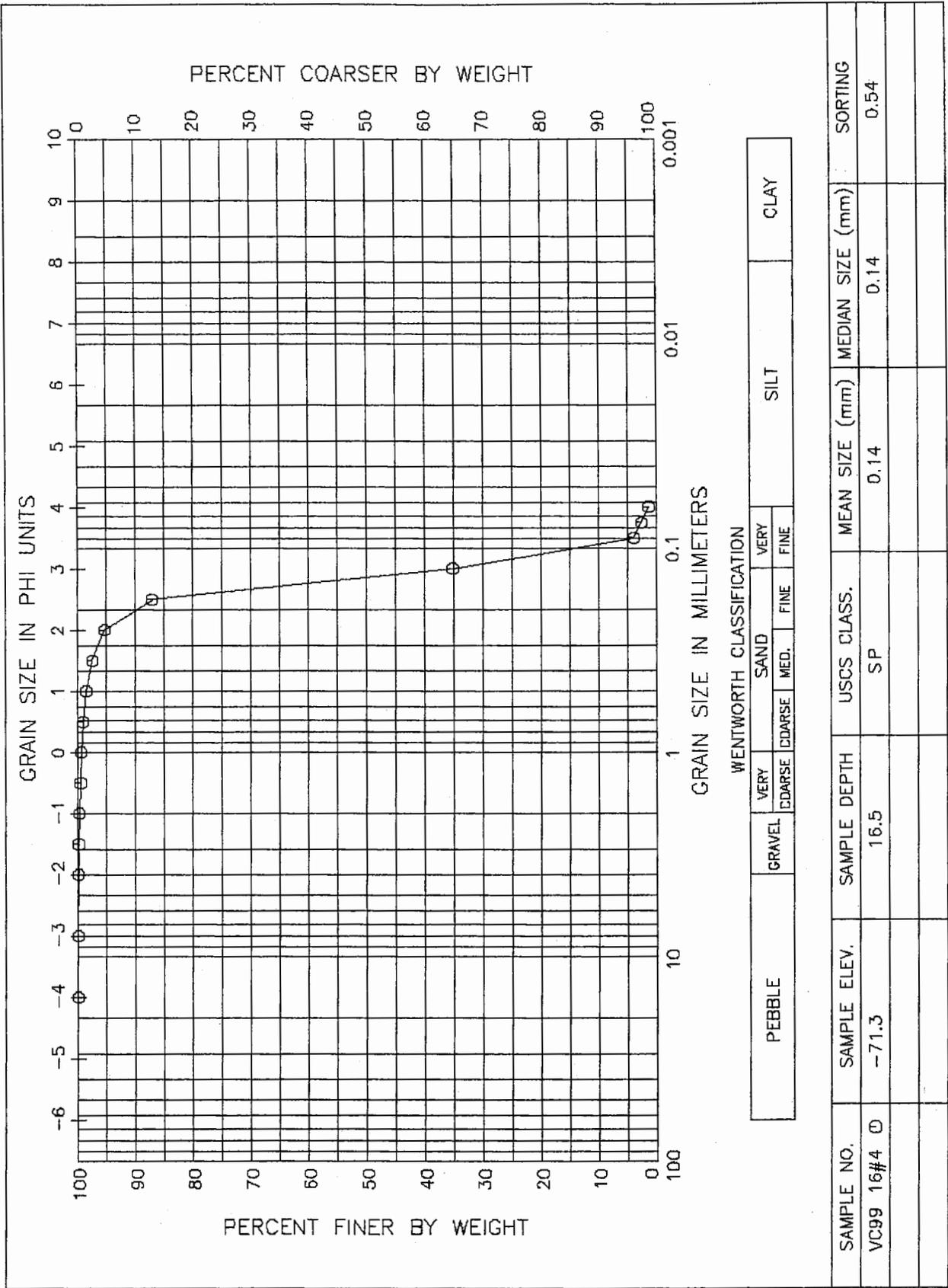
GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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TOWN OF PALM BEACH



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