

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 69#1
 SAMPLE ELEV. (FT. NGVD): -51.7
 SAMPLE DEPTH (FT.): 4.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 234.92
 SAMPLE WEIGHT AFTER WASH (GRAMS): 231.89

| 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 | 0.26 | 0.11 | 99.89 |
| 7 | -1.50 | 2.800 | 0.74 | 0.32 | 99.68 |
| 10 | -1.00 | 2.000 | 1.76 | 0.75 | 99.25 |
| 14 | -0.50 | 1.400 | 2.82 | 1.20 | 98.80 |
| 18 | 0.00 | 1.000 | 3.77 | 1.60 | 98.40 |
| 25 | 0.50 | 0.710 | 5.23 | 2.23 | 97.77 |
| 35 | 1.00 | 0.500 | 6.87 | 2.92 | 97.08 |
| 45 | 1.50 | 0.355 | 8.68 | 3.69 | 96.31 |
| 60 | 2.00 | 0.250 | 12.22 | 5.20 | 94.80 |
| 80 | 2.50 | 0.180 | 24.87 | 10.59 | 89.41 |
| 120 | 3.00 | 0.125 | 132.51 | 56.41 | 43.59 |
| 170 | 3.50 | 0.090 | 229.63 | 97.75 | 2.25 |
| 200 | 3.75 | 0.075 | 231.49 | 98.54 | 1.46 |
| 230 | 4.00 | 0.063 | 233.30 | 99.31 | 0.69 |
| PAN | | | 234.93 | 100.00 | 0.00 |

PHI (5): 1.93 PHI (16): 2.56 PHI (25): 2.66
 PHI (50): 2.93 PHI (75): 3.22 PHI (84): 3.33
 PHI (95): 3.47

SIEVE LOSS (g): -0.01 SILT/CLAY: 1.46%
 SKEWNESS: -0.594 KURTOSIS: 1.107

GRAPHIC METHOD

MEAN (PHI): 2.84 SORTING: 0.39
 MEAN (mm): 0.14 MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.83 SORTING: 0.68
 MEAN (mm): 0.14

DATA FILE NAME: VC99-69#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 69#3
SAMPLE ELEV. (FT. NGVD): -61.7
SAMPLE DEPTH (FT.): 14.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 249.44
SAMPLE WEIGHT AFTER WASH (GRAMS): 245.38

| 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 | 0.01 | 0.00 | 100.00 |
| 7 | -1.50 | 2.800 | 0.16 | 0.06 | 99.94 |
| 10 | -1.00 | 2.000 | 0.36 | 0.14 | 99.86 |
| 14 | -0.50 | 1.400 | 0.81 | 0.32 | 99.68 |
| 18 | 0.00 | 1.000 | 1.41 | 0.57 | 99.43 |
| 25 | 0.50 | 0.710 | 2.14 | 0.86 | 99.14 |
| 35 | 1.00 | 0.500 | 3.29 | 1.32 | 98.68 |
| 45 | 1.50 | 0.355 | 4.72 | 1.89 | 98.11 |
| 60 | 2.00 | 0.250 | 7.43 | 2.98 | 97.02 |
| 80 | 2.50 | 0.180 | 17.02 | 6.82 | 93.18 |
| 120 | 3.00 | 0.125 | 136.09 | 54.56 | 45.44 |
| 170 | 3.50 | 0.090 | 242.01 | 97.02 | 2.98 |
| 200 | 3.75 | 0.075 | 244.58 | 98.05 | 1.95 |
| 230 | 4.00 | 0.063 | 247.11 | 99.07 | 0.93 |
| PAN | | | 249.46 | 100.01 | -0.01 |

PHI (5): 2.26 PHI (16): 2.60 PHI (25): 2.69
PHI (50): 2.95 PHI (75): 3.24 PHI (84): 3.35
PHI (95): 3.48

SIEVE LOSS (g): -0.02 SILT/CLAY: 1.95%
SKEWNESS: -0.220 KURTOSIS: 0.904

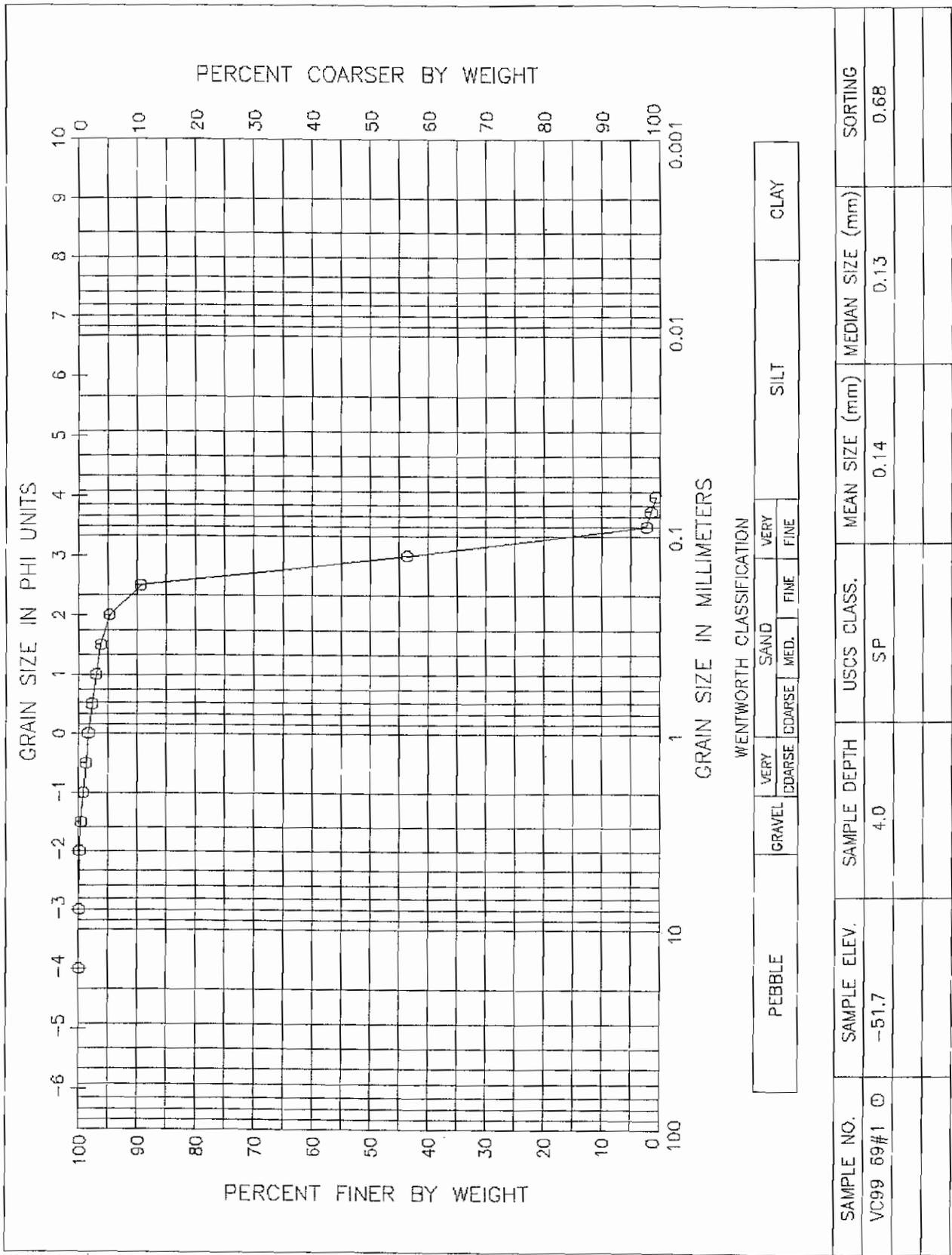
GRAPHIC METHOD

MEAN (PHI): 2.93 SORTING: 0.38
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

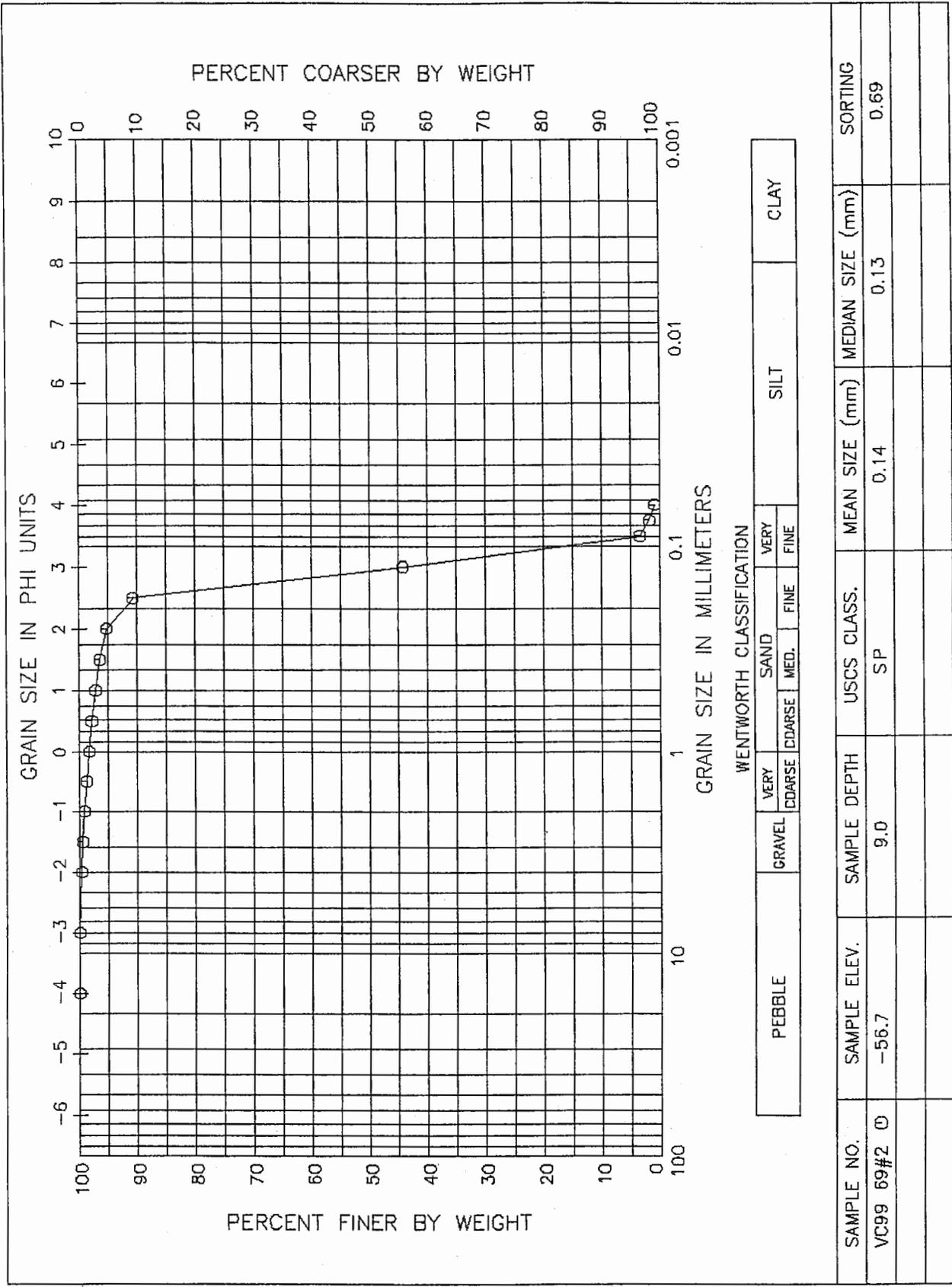
MOMENT METHOD

MEAN (PHI): 2.91 SORTING: 0.49
MEAN (mm): 0.13

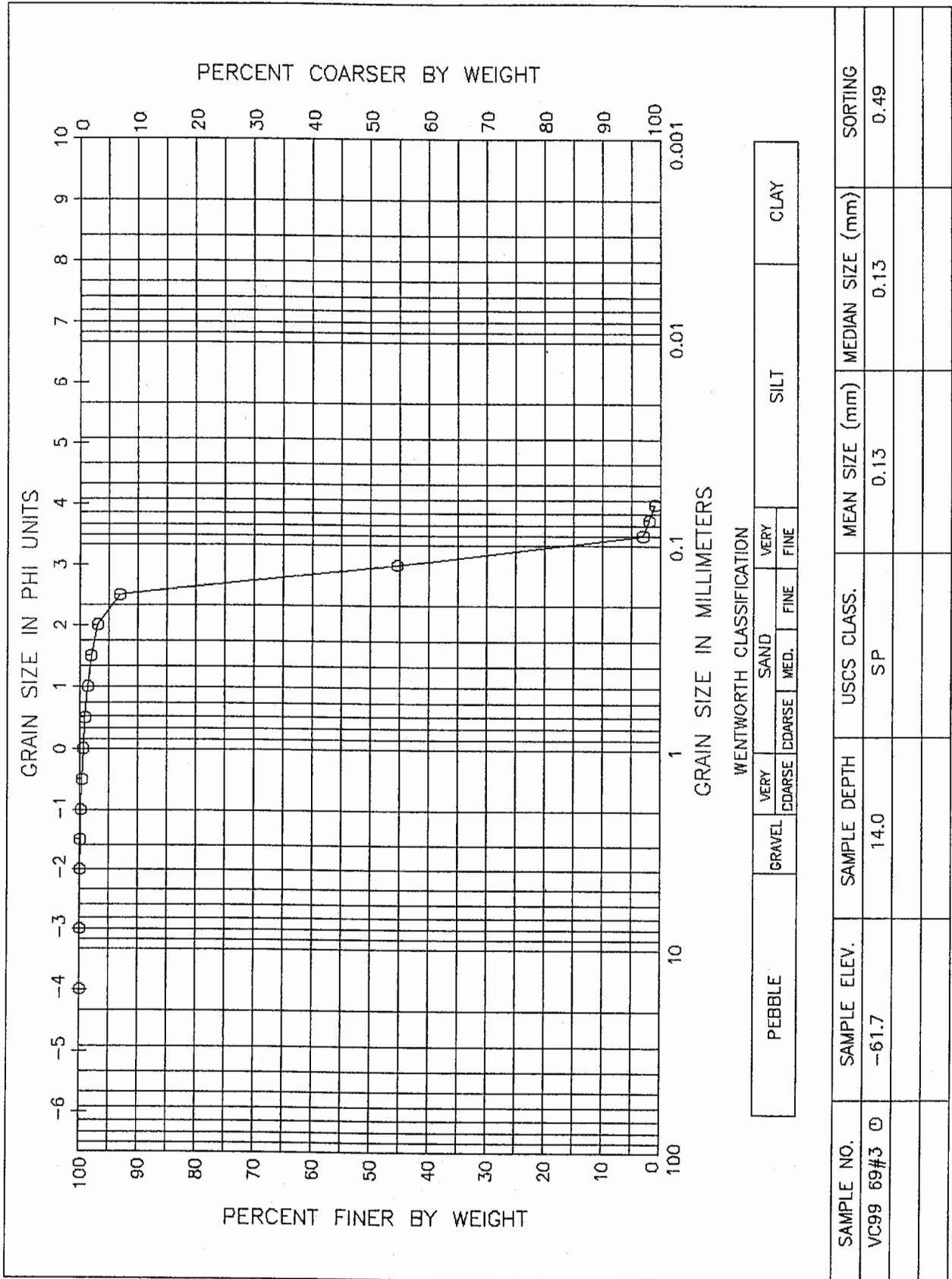
DATA FILE NAME: VC99-69#3.TAB



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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