

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#1
SAMPLE ELEV. (FT. NGVD): -35.3
SAMPLE DEPTH (FT.): 2.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 84.45
SAMPLE WEIGHT AFTER WASH (GRAMS): 83.02

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	0.08	0.09	99.91
10	-1.00	2.000	0.14	0.17	99.83
14	-0.50	1.400	0.25	0.30	99.70
18	0.00	1.000	2.14	2.53	97.47
25	0.50	0.710	2.85	3.37	96.63
35	1.00	0.500	3.46	4.10	95.90
45	1.50	0.355	4.14	4.90	95.10
60	2.00	0.250	5.93	7.02	92.98
80	2.50	0.180	12.37	14.65	85.35
120	3.00	0.125	50.65	59.98	40.02
170	3.50	0.090	82.68	97.90	2.10
200	3.75	0.075	82.95	98.22	1.78
230	4.00	0.063	83.71	99.12	0.88
PAN			84.42	99.96	0.04

PHI (5): 1.52 PHI (16): 2.51 PHI (25): 2.61
PHI (50): 2.89 PHI (75): 3.20 PHI (84): 3.32
PHI (95): 3.46

SIEVE LOSS (g): 0.03 SILT/CLAY: 1.78%
SKEWNESS: -0.992 KURTOSIS: 1.361

GRAPHIC METHOD

MEAN (PHI): 2.74 SORTING: 0.40
MEAN (mm): 0.15 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.77 SORTING: 0.71
MEAN (mm): 0.15

DATA FILE NAME: VC99-58#1.TAB

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#2
 SAMPLE ELEV. (FT. NGVD): -37.8
 SAMPLE DEPTH (FT.): 4.5
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 98.92
 SAMPLE WEIGHT AFTER WASH (GRAMS): 97.65

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	0.11	99.89
7	-1.50	2.800	0.44	0.44	99.56
10	-1.00	2.000	0.69	0.70	99.30
14	-0.50	1.400	1.21	1.22	98.78
18	0.00	1.000	1.78	1.80	98.20
25	0.50	0.710	2.75	2.78	97.22
35	1.00	0.500	4.44	4.49	95.51
45	1.50	0.355	6.33	6.40	93.60
60	2.00	0.250	10.63	10.75	89.25
80	2.50	0.180	22.67	22.92	77.08
120	3.00	0.125	66.01	66.73	33.27
170	3.50	0.090	96.77	97.83	2.17
200	3.75	0.075	97.41	98.47	1.53
230	4.00	0.063	98.24	99.32	0.68
PAN			98.89	99.97	0.03

PHI (5): 1.13 PHI (16): 2.22 PHI (25): 2.52
 PHI (50): 2.81 PHI (75): 3.13 PHI (84): 3.28
 PHI (95): 3.45

SIEVE LOSS(g): 0.03 SILT/CLAY: 1.53%
 SKEWNESS: -0.970 KURTOSIS: 1.561

GRAPHIC METHOD
 MEAN (PHI): 2.58 SORTING: 0.53
 MEAN (mm) : 0.17 MEDIAN (mm): 0.14
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD
 MEAN (PHI): 2.66 SORTING: 0.77
 MEAN (mm) : 0.16

DATA FILE NAME: VC99-58#2.TAB

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
 TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#3
 SAMPLE ELEV. (FT. NGVD): -42.3
 SAMPLE DEPTH (FT.): 9.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.86
 SAMPLE WEIGHT AFTER WASH (GRAMS): 81.57

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	0.10	0.12	99.88
7	-1.50	2.800	0.34	0.41	99.59
10	-1.00	2.000	0.51	0.62	99.38
14	-0.50	1.400	0.81	0.98	99.02
18	0.00	1.000	1.16	1.40	98.60
25	0.50	0.710	1.73	2.09	97.91
35	1.00	0.500	2.63	3.17	96.83
45	1.50	0.355	4.63	5.59	94.41
60	2.00	0.250	10.06	12.14	87.86
80	2.50	0.180	27.58	33.29	66.71
120	3.00	0.125	66.22	79.92	20.08
170	3.50	0.090	80.91	97.65	2.35
200	3.75	0.075	81.56	98.43	1.57
230	4.00	0.063	82.21	99.22	0.78
PAN			82.86	100.00	0.00

PHI (5): 1.38 PHI (16): 2.09 PHI (25): 2.30
 PHI (50): 2.68 PHI (75): 2.95 PHI (84): 3.12
 PHI (95): 3.43

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.57%
 SKEWNESS: -0.542 KURTOSIS: 1.304

GRAPHIC METHOD

MEAN (PHI): 2.54 SORTING: 0.51
 MEAN (mm): 0.17 MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.55 SORTING: 0.70
 MEAN (mm): 0.17

DATA FILE NAME: VC99-58#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/21/99

SAMPLE NO.: VC99 58#4
 SAMPLE ELEV. (FT. NGVD): -48.3
 SAMPLE DEPTH (FT.): 15.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 87.81
 SAMPLE WEIGHT AFTER WASH (GRAMS): 86.64

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	0.05	0.06	99.94
7	-1.50	2.800	0.10	0.11	99.89
10	-1.00	2.000	0.26	0.30	99.70
14	-0.50	1.400	0.48	0.55	99.45
18	0.00	1.000	0.77	0.88	99.12
25	0.50	0.710	1.18	1.34	98.66
35	1.00	0.500	1.95	2.22	97.78
45	1.50	0.355	2.99	3.41	96.59
60	2.00	0.250	5.77	6.57	93.43
80	2.50	0.180	14.21	16.18	83.82
120	3.00	0.125	54.26	61.79	38.21
170	3.50	0.090	86.21	98.18	1.82
200	3.75	0.075	86.58	98.60	1.40
230	4.00	0.063	87.19	99.30	0.70
PAN			87.81	100.00	0.00

PHI (5): 1.75 PHI (16): 2.49 PHI (25): 2.60
 PHI (50): 2.87 PHI (75): 3.18 PHI (84): 3.31
 PHI (95): 3.46

SIEVE LOSS (g): 0.00 SILT/CLAY: 1.40%
 SKEWNESS: -0.655 KURTOSIS: 1.194

GRAPHIC METHOD

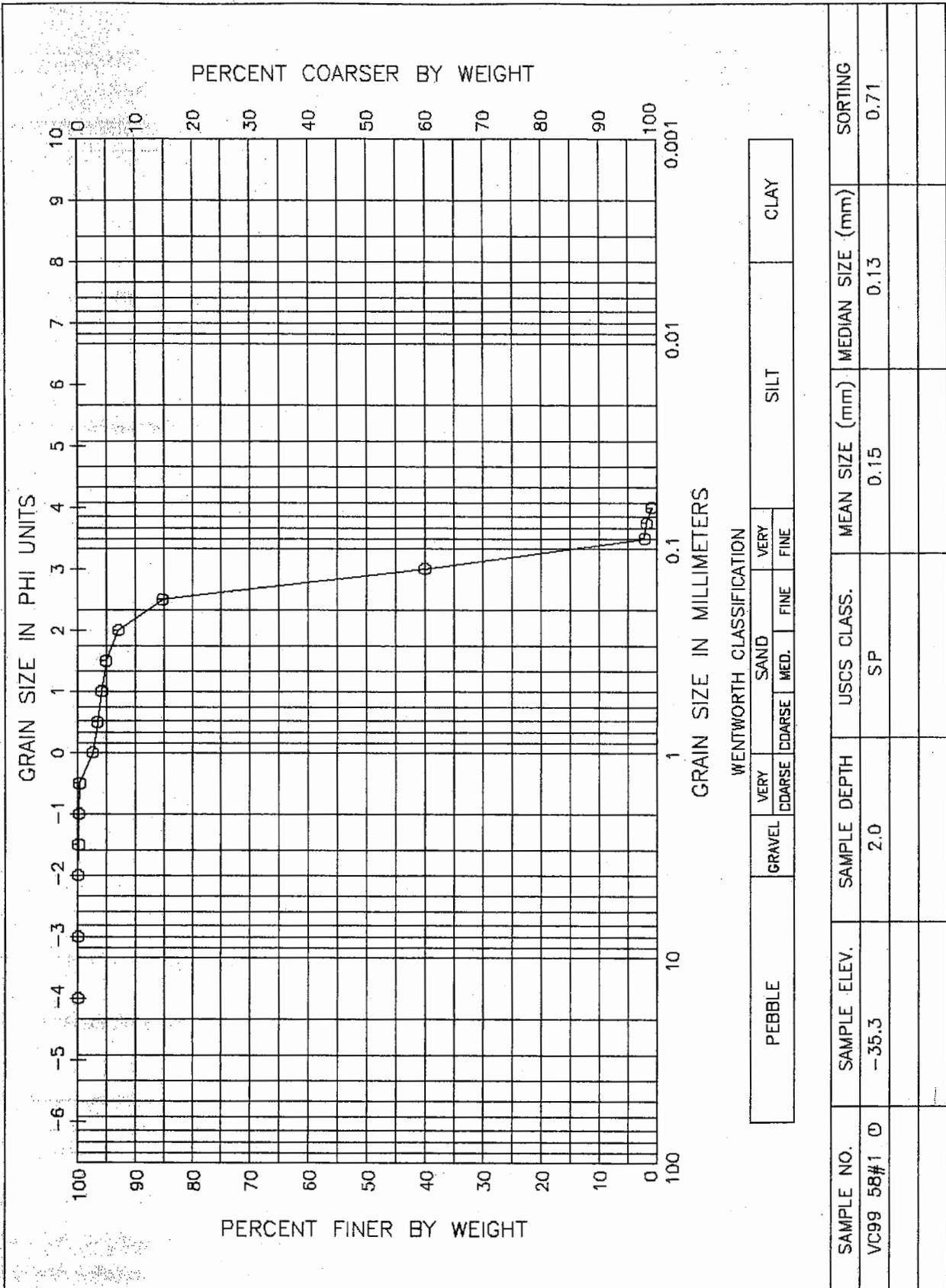
MEAN (PHI): 2.77 SORTING: 0.41
 MEAN (mm): 0.15 MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

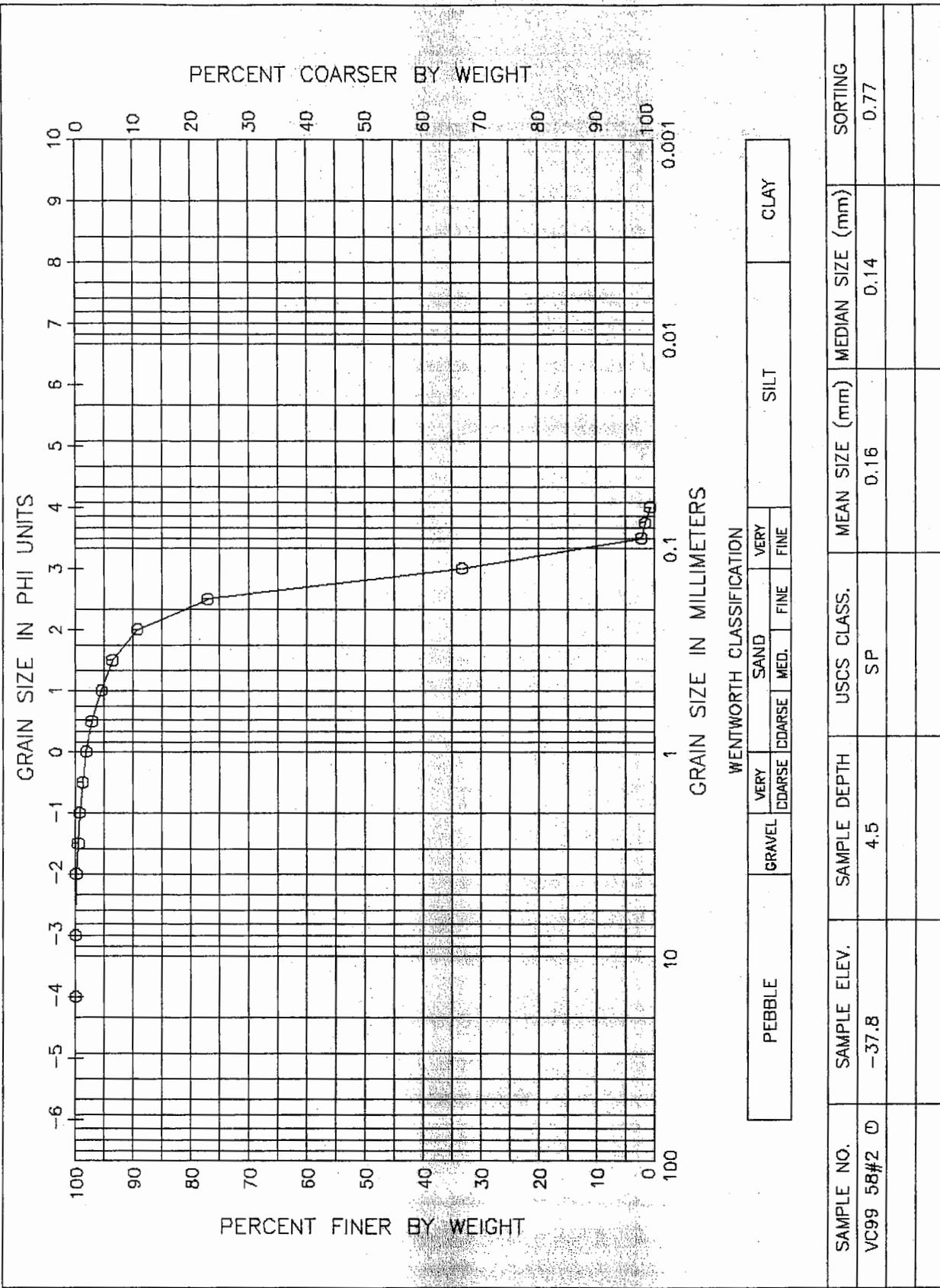
MOMENT METHOD

MEAN (PHI): 2.79 SORTING: 0.61
 MEAN (mm): 0.15

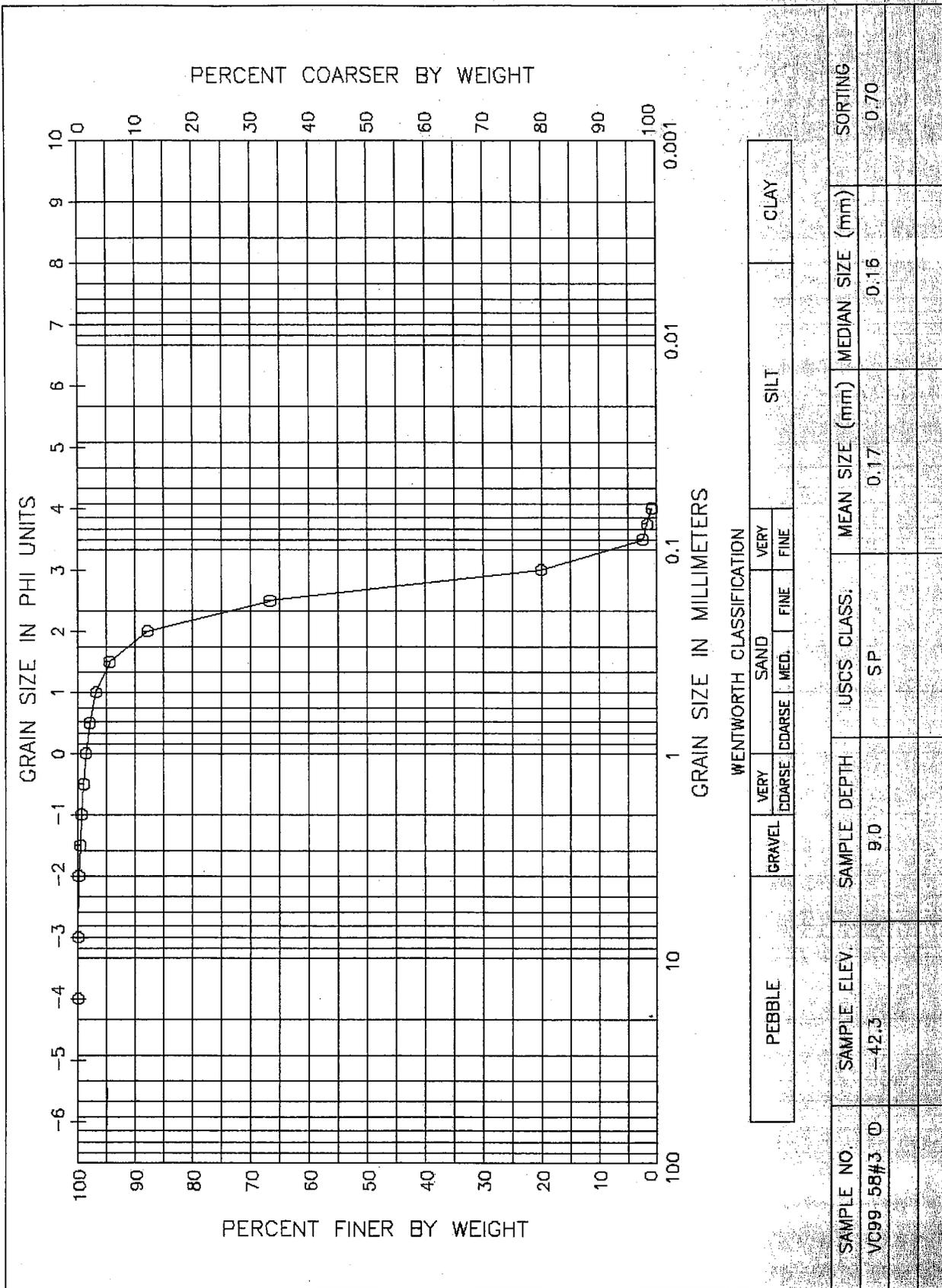
DATA FILE NAME: VC99-58#4.TAB



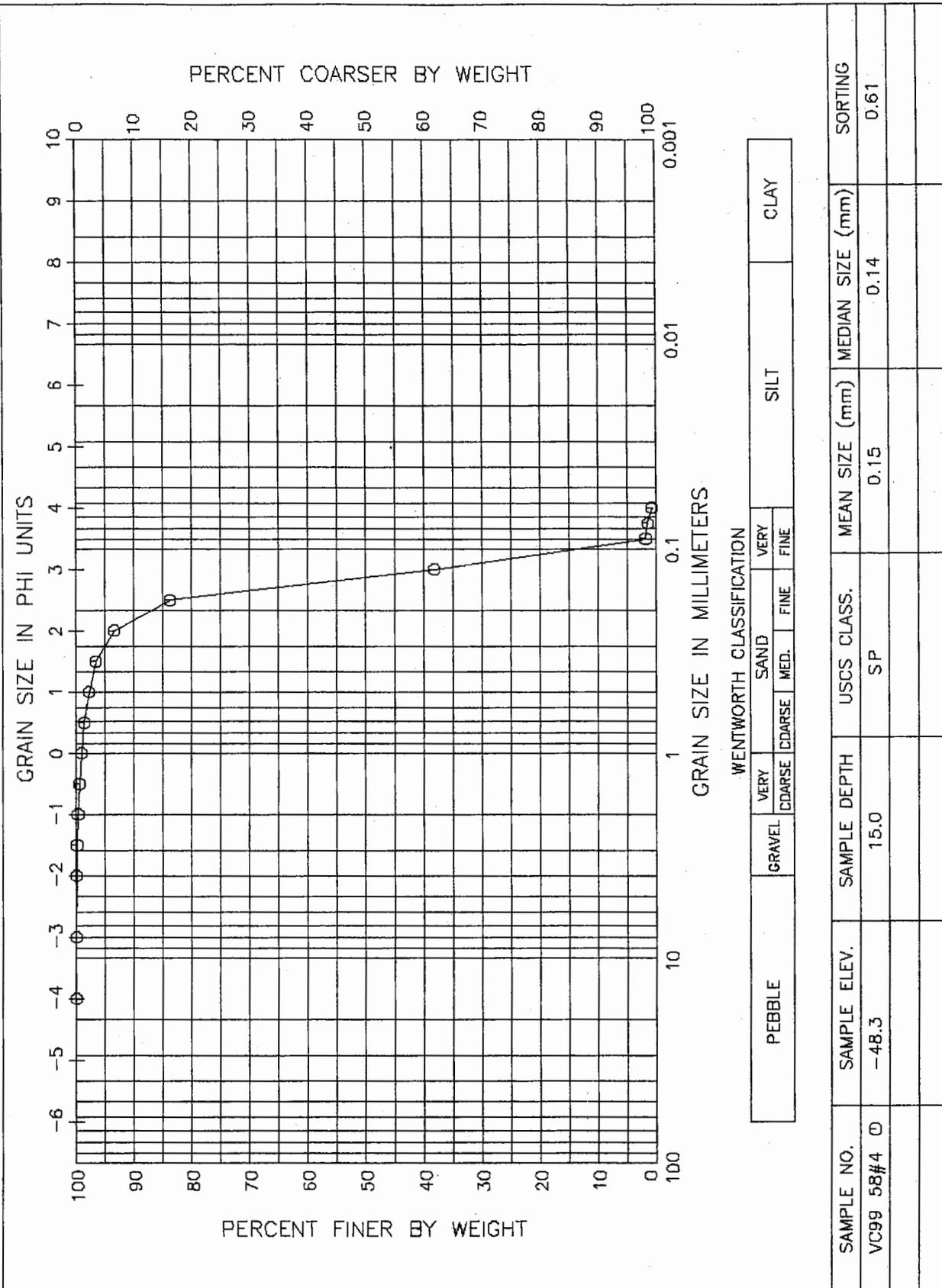
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH