

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

SAMPLE NO.: VC99 87#1
SAMPLE ELEV. (FT. NGVD): -43.2
SAMPLE DEPTH (FT.): 4.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 105.14
SAMPLE WEIGHT AFTER WASH (GRAMS): 103.87

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	0.33	0.31	99.69
7	-1.50	2.800	0.54	0.51	99.49
10	-1.00	2.000	0.66	0.63	99.37
14	-0.50	1.400	0.73	0.69	99.31
18	0.00	1.000	0.81	0.77	99.23
25	0.50	0.710	1.33	1.26	98.74
35	1.00	0.500	1.91	1.82	98.18
45	1.50	0.355	2.61	2.48	97.52
60	2.00	0.250	4.65	4.42	95.58
80	2.50	0.180	14.54	13.83	86.17
120	3.00	0.125	73.00	69.43	30.57
170	3.50	0.090	103.21	98.16	1.84
200	3.75	0.075	103.73	98.66	1.34
230	4.00	0.063	104.46	99.36	0.64
PAN			105.11	99.97	0.03

PHI (5): 2.03 PHI (16): 2.52 PHI (25): 2.60
PHI (50): 2.83 PHI (75): 3.10 PHI (84): 3.25
PHI (95): 3.44

SIEVE LOSS (g): 0.03 SILT/CLAY: 1.34%
SKEWNESS: -0.238 KURTOSIS: 1.168

GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.77 SORTING: 0.60
MEAN (mm): 0.15

DATA FILE NAME: VC99-87#1.TAB

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

SAMPLE NO.: VC99 87#2
SAMPLE ELEV. (FT. NGVD): -48.1
SAMPLE DEPTH (FT.): 8.9
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 96.84
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.26

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	3.11	3.21	96.79
5	-2.00	4.000	3.88	4.01	95.99
7	-1.50	2.800	4.65	4.80	95.20
10	-1.00	2.000	5.59	5.77	94.23
14	-0.50	1.400	7.20	7.43	92.57
18	0.00	1.000	8.95	9.24	90.76
25	0.50	0.710	11.75	12.13	87.87
35	1.00	0.500	15.32	15.82	84.18
45	1.50	0.355	18.77	19.38	80.62
60	2.00	0.250	25.06	25.88	74.12
80	2.50	0.180	40.21	41.52	58.48
120	3.00	0.125	79.94	82.55	17.45
170	3.50	0.090	94.99	98.09	1.91
200	3.75	0.075	95.23	98.34	1.66
230	4.00	0.063	96.04	99.17	0.83
PAN			96.83	99.99	0.01

PHI (5): -1.40 PHI (16): 1.03 PHI (25): 1.93
PHI (50): 2.60 PHI (75): 2.91 PHI (84): 3.05
PHI (95): 3.40

SIEVE LOSS (g): 0.01 SILT/CLAY: 1.66%
SKEWNESS: -1.585 KURTOSIS: 2.016

GRAPHIC METHOD

MEAN (PHI): 1.74 SORTING: 1.01
MEAN (mm): 0.30 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.06 SORTING: 1.51
MEAN (mm): 0.24

DATA FILE NAME: VC99-87#2.TAB

GRADATION ANALYSIS REPORT
 TOWN OF PALM BEACH
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SAMPLE NO.: VC99 87#3
 SAMPLE ELEV. (FT. NGVD): -51.2
 SAMPLE DEPTH (FT.): 12.0
 SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS) : 84.20
 SAMPLE WEIGHT AFTER WASH (GRAMS) : 83.03

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	0.06	0.07	99.93
10	-1.00	2.000	0.10	0.12	99.88
14	-0.50	1.400	0.22	0.26	99.74
18	0.00	1.000	0.33	0.39	99.61
25	0.50	0.710	0.59	0.70	99.30
35	1.00	0.500	1.08	1.28	98.72
45	1.50	0.355	1.81	2.15	97.85
60	2.00	0.250	4.53	5.38	94.62
80	2.50	0.180	16.43	19.51	80.49
120	3.00	0.125	61.72	73.30	26.70
170	3.50	0.090	82.48	97.96	2.04
200	3.75	0.075	82.89	98.44	1.56
230	4.00	0.063	83.57	99.25	0.75
PAN			84.18	99.98	0.02

PHI (5) : 1.94 PHI (16) : 2.38 PHI (25) : 2.55
 PHI (50) : 2.78 PHI (75) : 3.03 PHI (84) : 3.22
 PHI (95) : 3.44

SIEVE LOSS (g) : 0.02 SILT/CLAY : 1.56%
 SKEWNESS : -0.221 KURTOSIS : 1.271

GRAPHIC METHOD

MEAN (PHI) : 2.75 SORTING : 0.42
 MEAN (mm) : 0.15 MEDIAN (mm) : 0.15
 NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI) : 2.74 SORTING : 0.51
 MEAN (mm) : 0.15

DATA FILE NAME: VC99-87#3.TAB

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

SAMPLE NO.: VC99 87#4
SAMPLE ELEV. (FT. NGVD): -58.2
SAMPLE DEPTH (FT.): 19.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 99.47
SAMPLE WEIGHT AFTER WASH (GRAMS): 98.47

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	1.78	1.79	98.21
5	-2.00	4.000	8.69	8.74	91.26
7	-1.50	2.800	10.50	10.56	89.44
10	-1.00	2.000	13.19	13.26	86.74
14	-0.50	1.400	16.86	16.95	83.05
18	0.00	1.000	20.49	20.60	79.40
25	0.50	0.710	27.52	27.67	72.33
35	1.00	0.500	37.93	38.13	61.87
45	1.50	0.355	46.65	46.90	53.10
60	2.00	0.250	55.59	55.89	44.11
80	2.50	0.180	67.39	67.75	32.25
120	3.00	0.125	90.55	91.03	8.97
170	3.50	0.090	98.26	98.78	1.22
200	3.75	0.075	98.43	98.95	1.05
230	4.00	0.063	98.95	99.48	0.52
PAN			99.45	99.98	0.02

PHI(5): -2.54 PHI(16): -0.63 PHI(25): 0.31
PHI(50): 1.67 PHI(75): 2.66 PHI(84): 2.85
PHI(95): 3.26

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.05%
SKEWNESS: -0.755 KURTOSIS: 1.013

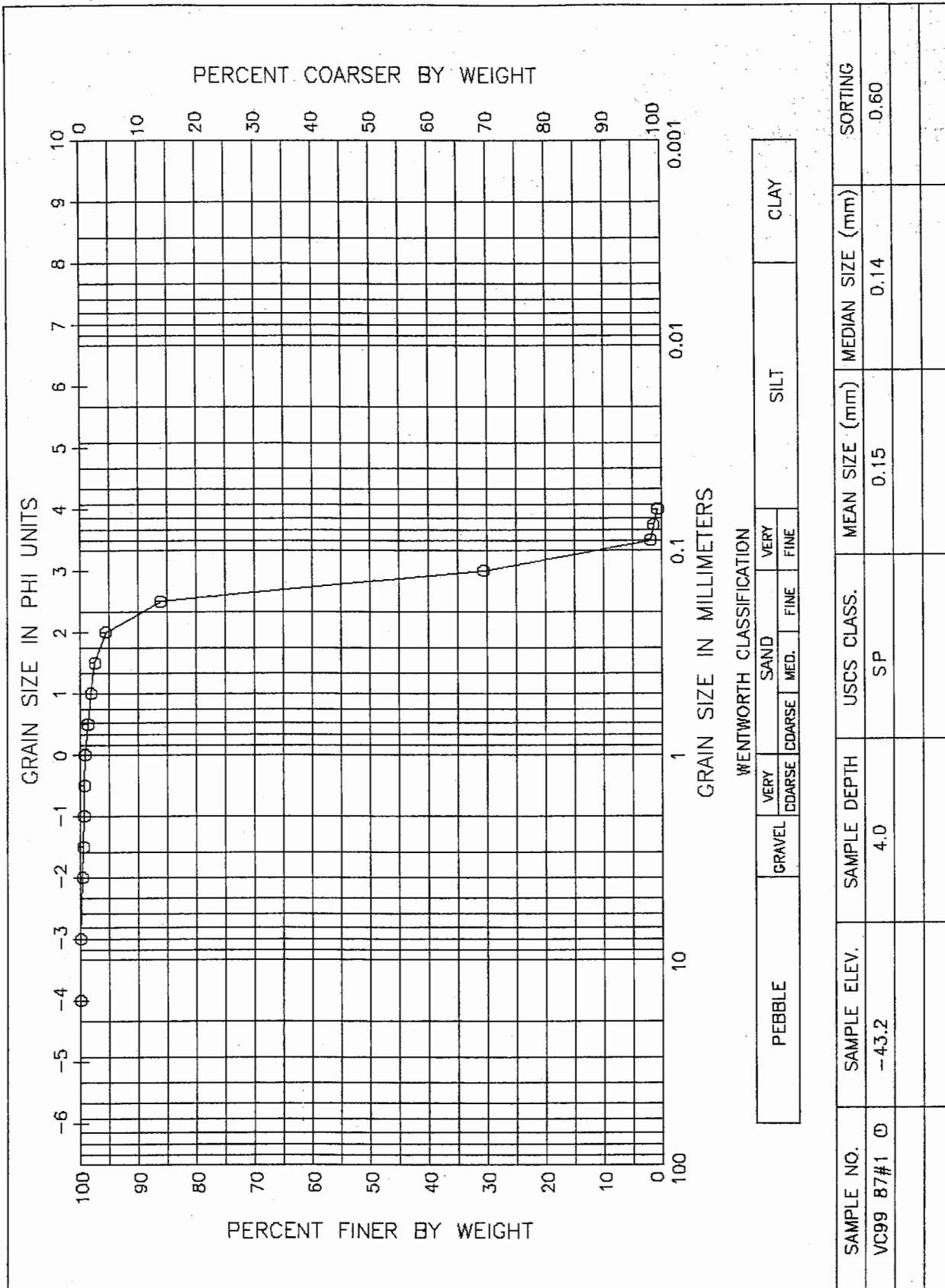
GRAPHIC METHOD

MEAN (PHI): 0.92 SORTING: 1.74
MEAN (mm) : 0.53 MEDIAN (mm) : 0.31
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

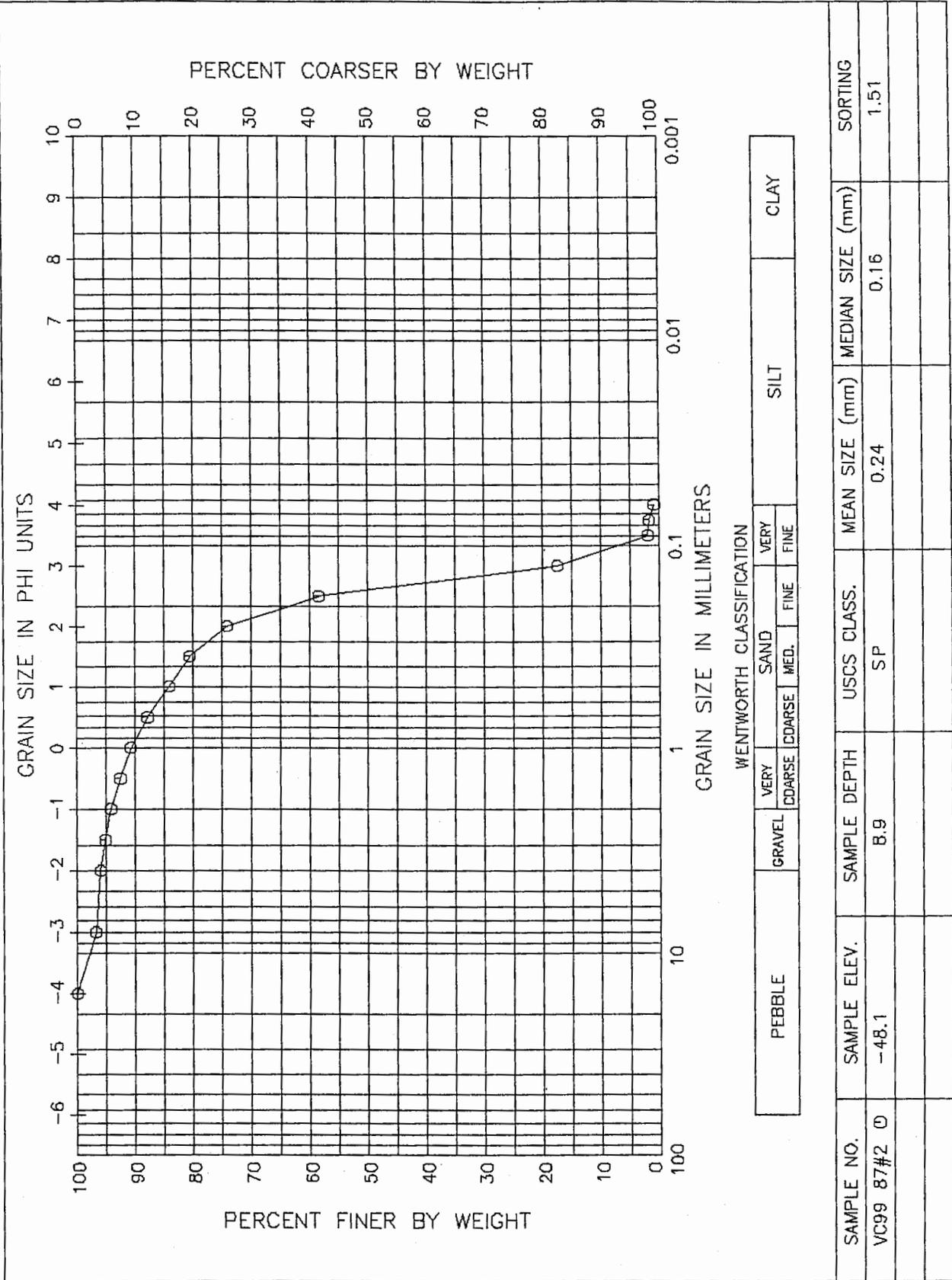
MOMENT METHOD

MEAN (PHI): 1.22 SORTING: 1.75
MEAN (mm) : 0.43

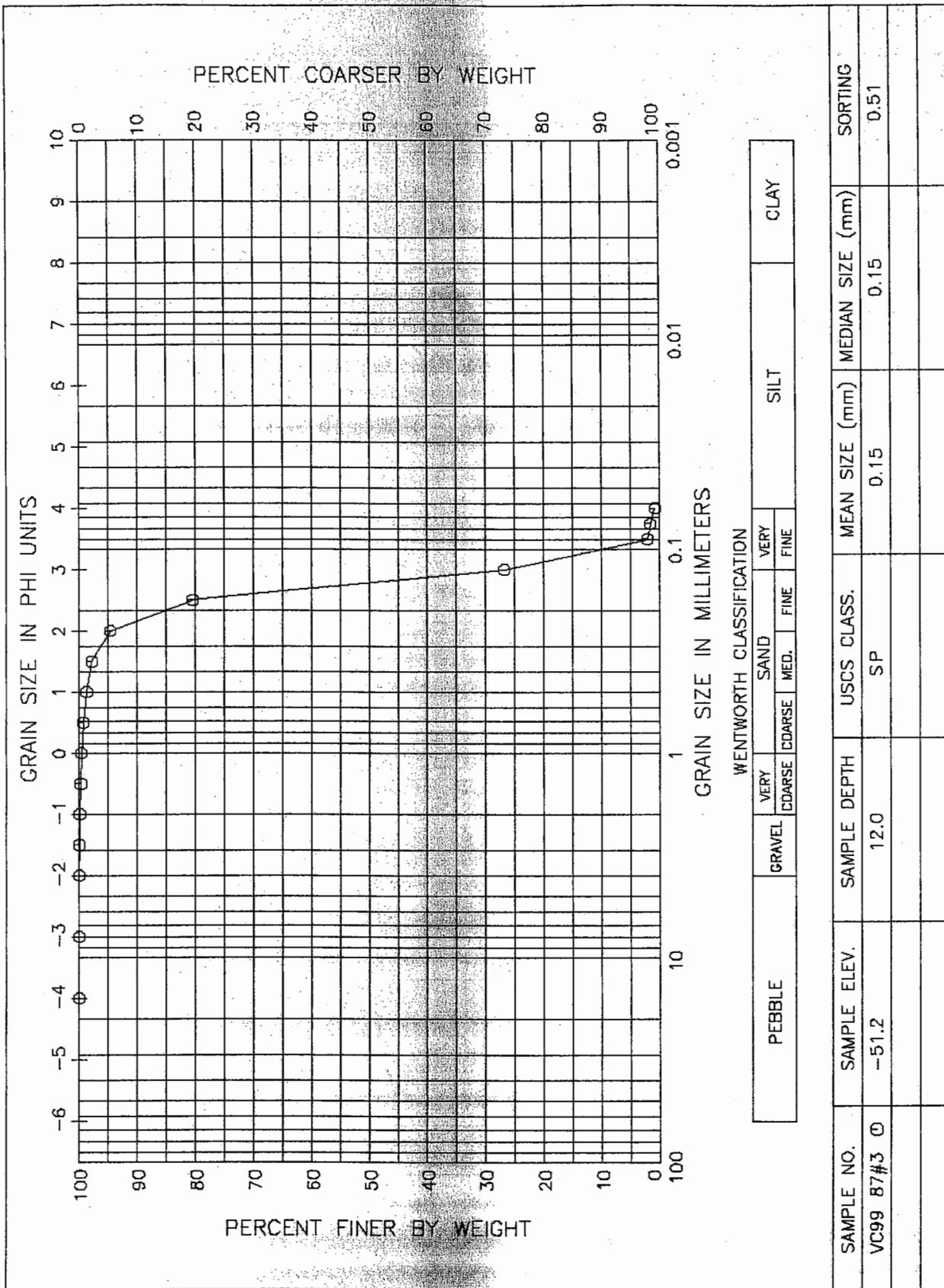
DATA FILE NAME: VC99-87#4.TAB



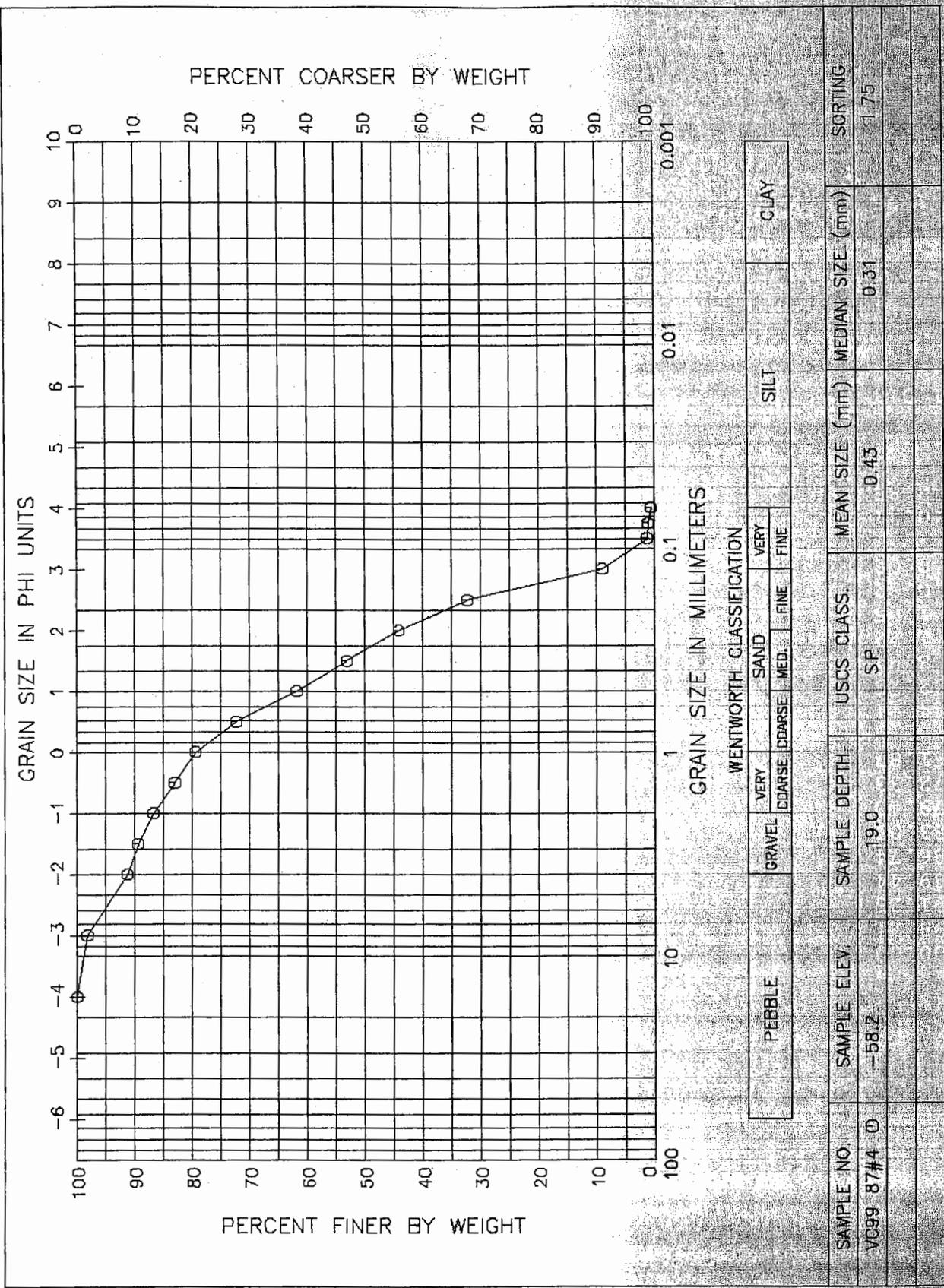
GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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