

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/21/99

SAMPLE NO.: VC99 80#1

SAMPLE ELEV. (FT. NGVD): -33.5

SAMPLE DEPTH (FT.): 1.4

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 82.13

SAMPLE WEIGHT AFTER WASH (GRAMS): 80.47

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	0.05	0.06	99.94
7	-1.50	2.800	0.10	0.12	99.88
10	-1.00	2.000	0.27	0.33	99.67
14	-0.50	1.400	0.51	0.62	99.38
18	0.00	1.000	0.77	0.94	99.06
25	0.50	0.710	1.52	1.85	98.15
35	1.00	0.500	2.79	3.40	96.60
45	1.50	0.355	4.28	5.21	94.79
60	2.00	0.250	6.80	8.28	91.72
80	2.50	0.180	15.18	18.48	81.52
120	3.00	0.125	49.94	60.81	39.19
170	3.50	0.090	79.75	97.10	2.90
200	3.75	0.075	80.31	97.78	2.22
230	4.00	0.063	81.24	98.92	1.08
PAN			82.10	99.96	0.04

PHI(5): 1.44

PHI(16): 2.38

PHI(25): 2.58

PHI(50): 2.87

PHI(75): 3.20

PHI(84): 3.32

PHI(95): 3.47

SIEVE LOSS(g): 0.03

SILT/CLAY: 2.22%

SKEWNESS: -0.884

KURTOSIS: 1.345

GRAPHIC METHOD

MEAN (PHI): 2.70

SORTING: 0.47

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.75

SORTING: 0.68

MEAN (mm): 0.15

DATA FILE NAME: VC99-80#1.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: ID ON: 10/99

SAMPLE NO.: VC-99#80-2
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 106.80
SAMPLE WEIGHT AFTER WASH (GRAMS): 106.32

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	0.51	0.48	99.52
7	-1.50	2.800	1.80	1.69	98.31
10	-1.00	2.000	3.99	3.74	96.26
14	-0.50	1.400	8.29	7.76	92.24
18	0.00	1.000	13.51	12.65	87.35
25	0.50	0.710	20.68	19.36	80.64
35	1.00	0.500	27.95	26.17	73.83
45	1.50	0.355	32.46	30.39	69.61
60	2.00	0.250	36.52	34.19	65.81
80	2.50	0.180	44.15	41.34	58.66
120	3.00	0.125	82.05	76.83	23.17
170	3.50	0.090	105.80	99.06	0.94
200	3.75	0.075	106.26	99.49	0.51
230	4.00	0.063	106.55	99.77	0.23
PAN			106.80	100.00	0.00

PHI(5): -0.84 PHI(16): 0.25 PHI(25): 0.91
PHI(50): 2.62 PHI(75): 2.97 PHI(84): 3.16
PHI(95): 3.41

SIEVE LOSS(g): 0.00 SILT/CLAY: 0.51%
SKEWNESS: -0.920 KURTOSIS: 0.846

GRAPHIC METHOD

MEAN (PHI): 1.72 SORTING: 1.46
MEAN (mm): 0.30 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.98 SORTING: 1.40
MEAN (mm): 0.25

DATA FILE NAME: VC-99#80-2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/22/99

SAMPLE NO.: VC99 80#3

SAMPLE ELEV. (FT. NGVD): -40.6

SAMPLE DEPTH (FT.): 8.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 81.45

SAMPLE WEIGHT AFTER WASH (GRAMS): 80.20

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	0.03	0.04	99.96
7	-1.50	2.800	0.04	0.05	99.95
10	-1.00	2.000	0.19	0.23	99.77
14	-0.50	1.400	0.30	0.37	99.63
18	0.00	1.000	0.46	0.56	99.44
25	0.50	0.710	0.66	0.81	99.19
35	1.00	0.500	10.93	13.42	86.58
45	1.50	0.355	1.35	1.66	98.34
60	2.00	0.250	3.02	3.71	96.29
80	2.50	0.180	10.95	13.44	86.56
120	3.00	0.125	52.39	64.32	35.68
170	3.50	0.090	79.49	97.59	2.41
200	3.75	0.075	80.05	98.28	1.72
230	4.00	0.063	80.79	99.20	0.80
PAN			81.43	99.98	0.02

PHI(5): 2.07

PHI(16): 2.53

PHI(25): 2.61

PHI(50): 2.86

PHI(75): 3.16

PHI(84): 3.30

PHI(95): 3.46

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.72%

SKEWNESS: -0.248

KURTOSIS: 1.045

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): 2.76

SORTING: 0.69

MEAN (mm): 0.15

DATA FILE NAME: VC99-80#3.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/22/99

SAMPLE NO.: VC99-80 #4
SAMPLE ELEV. (FT. NGVD): -48.1
SAMPLE DEPTH (FT.): 16.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.30
SAMPLE WEIGHT AFTER WASH (GRAMS): 76.77

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	0.07	0.09	99.91
10	-1.00	2.000	0.13	0.17	99.83
14	-0.50	1.400	0.30	0.38	99.62
18	0.00	1.000	0.46	0.59	99.41
25	0.50	0.710	0.78	1.00	99.00
35	1.00	0.500	1.24	1.58	98.42
45	1.50	0.355	1.75	2.23	97.77
60	2.00	0.250	3.07	3.92	96.08
80	2.50	0.180	8.47	10.82	89.18
120	3.00	0.125	50.99	65.12	34.88
170	3.50	0.090	76.25	97.38	2.62
200	3.75	0.075	76.62	97.85	2.15
230	4.00	0.063	77.50	98.97	1.03
PAN			78.27	99.96	0.04

PHI(5): 2.08 PHI(16): 2.55 PHI(25): 2.63
PHI(50): 2.86 PHI(75): 3.15 PHI(84): 3.29
PHI(95): 3.46

SIEVE LOSS(g): 0.03 SILT/CLAY: 2.15%
SKEWNESS: -0.242 KURTOSIS: 1.086

GRAPHIC METHOD

MEAN (PHI): 2.85 SORTING: 0.37
MEAN (mm): 0.14 MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.82 SORTING: 0.52
MEAN (mm): 0.14

DATA FILE NAME: VC99-80#4.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: ID ON: 10/99

SAMPLE NO.: VC-99#80-5
SAMPLE ELEV. (FT. NGVD): 0.0
SAMPLE DEPTH (FT.): 5.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 96.09
SAMPLE WEIGHT AFTER WASH (GRAMS): 95.50

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	0.00	0.00	100.00
10	-1.00	2.000	0.12	0.12	99.88
14	-0.50	1.400	0.27	0.28	99.72
18	0.00	1.000	0.37	0.39	99.61
25	0.50	0.710	0.54	0.56	99.44
35	1.00	0.500	0.90	0.94	99.06
45	1.50	0.355	1.42	1.48	98.52
60	2.00	0.250	3.54	3.68	96.32
80	2.50	0.180	15.70	16.34	83.66
120	3.00	0.125	66.95	69.67	30.33
170	3.50	0.090	95.02	98.89	1.11
200	3.75	0.075	95.45	99.33	0.67
230	4.00	0.063	95.77	99.66	0.34
PAN			96.08	99.99	0.01

PHI(5): 2.05 PHI(16): 2.49 PHI(25): 2.58
PHI(50): 2.82 PHI(75): 3.09 PHI(84): 3.25
PHI(95): 3.43

SIEVE LOSS(g): 0.01 SILT/CLAY: 0.67%
SKEWNESS: -0.192 KURTOSIS: 1.110

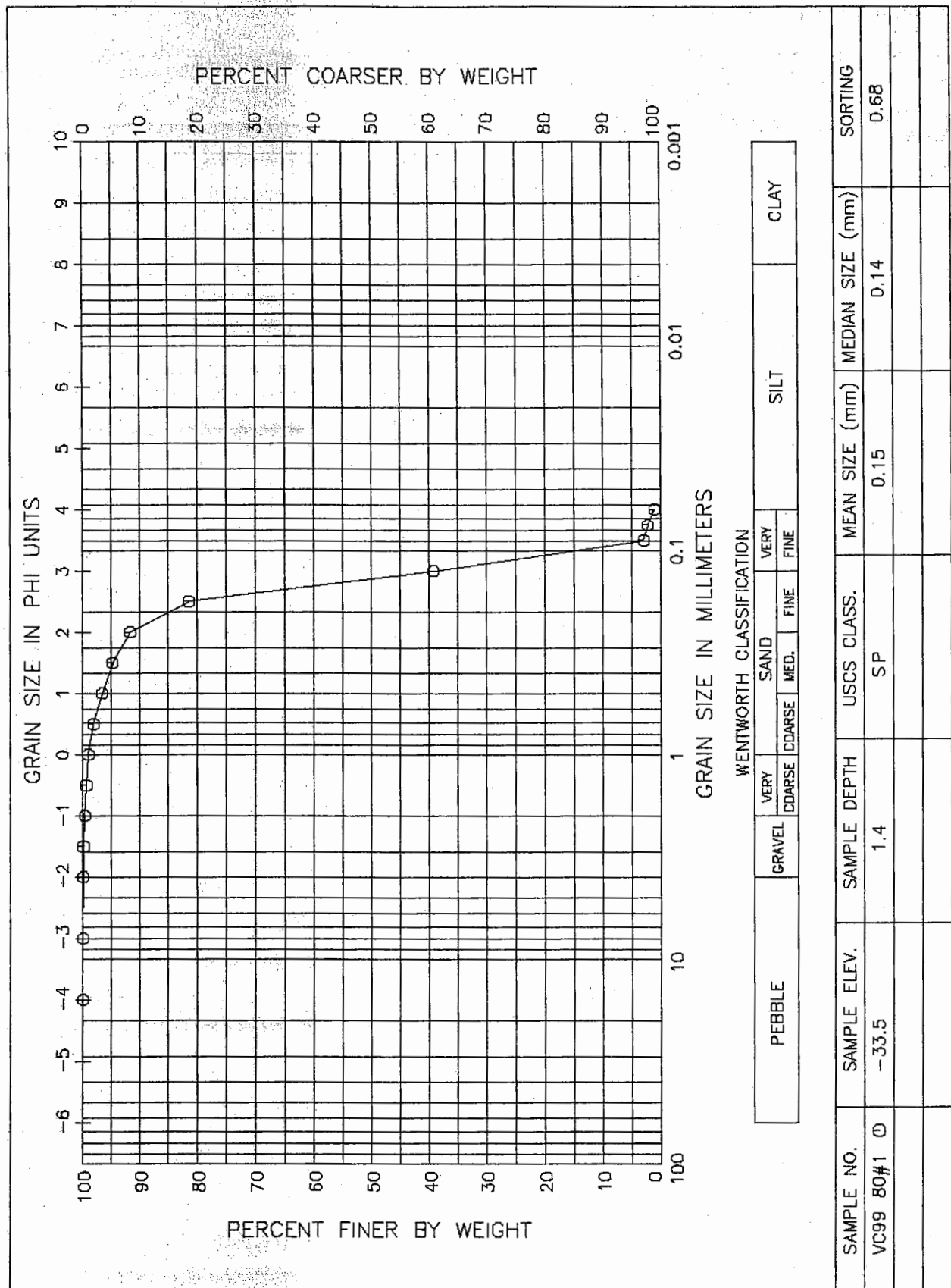
GRAPHIC METHOD

MEAN (PHI): 2.81 SORTING: 0.38
MEAN (mm): 0.14 MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

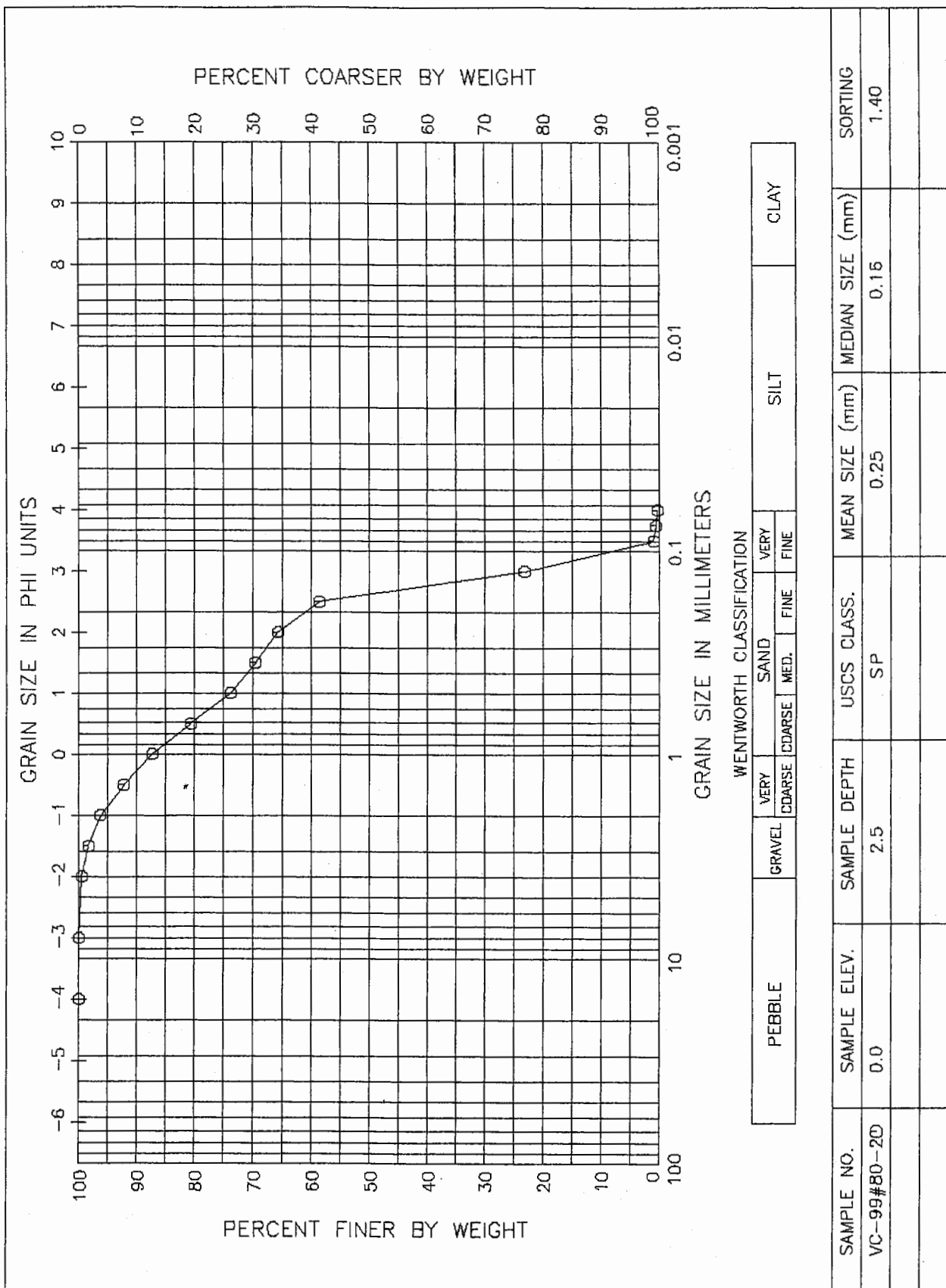
MOMENT METHOD

MEAN (PHI): 2.78 SORTING: 0.47
MEAN (mm): 0.15

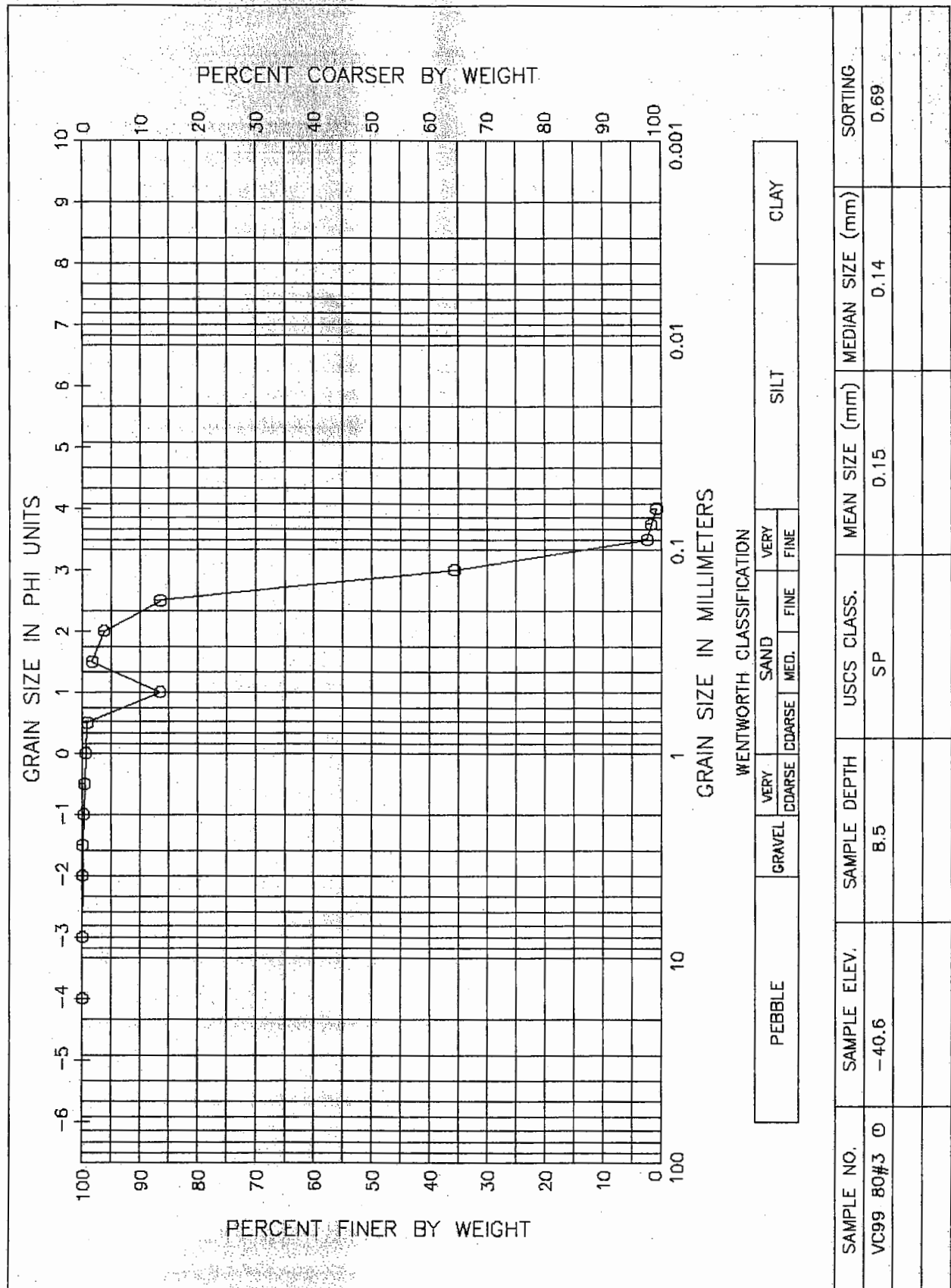
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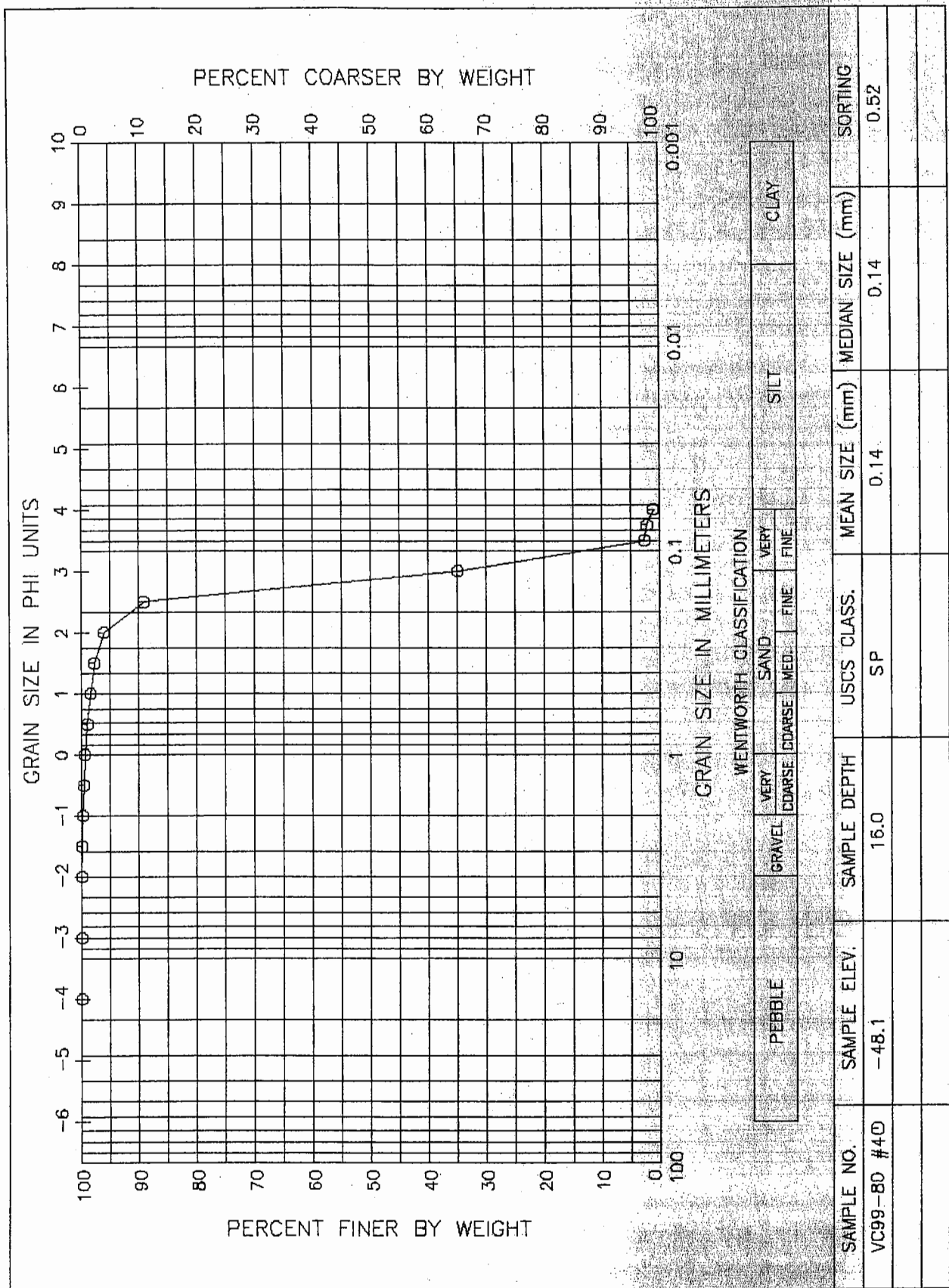


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



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