

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-37 #1  
SAMPLE ELEV. (FT. NGVD): -52.5  
SAMPLE DEPTH (FT.): 3.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 206.14  
SAMPLE WEIGHT AFTER WASH (GRAMS): 203.46

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	0.17	0.08	99.92
7	-1.50	2.800	0.35	0.17	99.83
10	-1.00	2.000	0.79	0.38	99.62
14	-0.50	1.400	1.39	0.67	99.33
18	0.00	1.000	2.29	1.11	98.89
25	0.50	0.710	3.83	1.86	98.14
35	1.00	0.500	6.30	3.06	96.94
45	1.50	0.355	8.81	4.27	95.73
60	2.00	0.250	12.27	5.95	94.05
80	2.50	0.180	20.29	9.84	90.16
120	3.00	0.125	118.50	57.49	42.51
170	3.50	0.090	175.62	85.19	14.81
200	3.75	0.075	203.03	98.49	1.51
230	4.00	0.063	204.41	99.16	0.84
PAN			206.14	100.00	0.00

PHI(5): 1.72      PHI(16): 2.56      PHI(25): 2.66  
PHI(50): 2.92      PHI(75): 3.32      PHI(84): 3.48  
PHI(95): 3.68

SIEVE LOSS(g): 0.00      SILT/CLAY: 1.51%  
SKEWNESS: -0.484      KURTOSIS: 1.228

## GRAPHIC METHOD

MEAN (PHI): 2.87      SORTING: 0.46  
MEAN (mm): 0.14      MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.88      SORTING: 0.68  
MEAN (mm): 0.14

DATA FILE NAME: VC99-37#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-37 #2

SAMPLE ELEV. (FT. NGVD): -57.3

SAMPLE DEPTH (FT.): 7.8

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 242.27

SAMPLE WEIGHT AFTER WASH (GRAMS): 239.16

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	1.87	0.77	99.23
5	-2.00	4.000	2.90	1.20	98.80
7	-1.50	2.800	3.77	1.56	98.44
10	-1.00	2.000	5.14	2.12	97.88
14	-0.50	1.400	8.48	3.50	96.50
18	0.00	1.000	13.24	5.46	94.54
25	0.50	0.710	21.17	8.74	91.26
35	1.00	0.500	34.83	14.38	85.62
45	1.50	0.355	48.80	20.14	79.86
60	2.00	0.250	60.46	24.96	75.04
80	2.50	0.180	78.11	32.24	67.76
120	3.00	0.125	175.88	72.60	27.40
170	3.50	0.090	236.61	97.66	2.34
200	3.75	0.075	238.62	98.49	1.51
230	4.00	0.063	240.51	99.28	0.72
PAN			242.25	99.99	0.01

PHI (5): -0.12

PHI (16): 1.14

PHI (25): 2.00

PHI (50): 2.72

PHI (75): 3.05

PHI (84): 3.23

PHI (95): 3.45

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.51%

SKEWNESS: -1.012

KURTOSIS: 1.398

## GRAPHIC METHOD

MEAN (PHI): 2.08

SORTING: 1.04

MEAN (mm): 0.24

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.31

SORTING: 1.20

MEAN (mm): 0.20

DATA FILE NAME: VC99-37#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-1-99

SAMPLE NO.: VC99-37 #3

SAMPLE ELEV. (FT. NGVD): -61.5

SAMPLE DEPTH (FT.): 12.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 210.89

SAMPLE WEIGHT AFTER WASH (GRAMS): 207.74

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	0.34	0.16	99.84
7	-1.50	2.800	0.51	0.24	99.76
10	-1.00	2.000	0.75	0.36	99.64
14	-0.50	1.400	1.30	0.62	99.38
18	0.00	1.000	2.19	1.04	98.96
25	0.50	0.710	3.96	1.88	98.12
35	1.00	0.500	7.61	3.61	96.39
45	1.50	0.355	11.78	5.59	94.41
60	2.00	0.250	18.05	8.56	91.44
80	2.50	0.180	32.08	15.21	84.79
120	3.00	0.125	130.11	61.70	38.30
170	3.50	0.090	172.76	81.92	18.08
200	3.75	0.075	206.92	98.12	1.88
230	4.00	0.063	208.54	98.88	1.12
PAN			210.87	99.99	0.01

PHI (5): 1.35

PHI (16): 2.51

PHI (25): 2.61

PHI (50): 2.87

PHI (75): 3.33

PHI (84): 3.53

PHI (95): 3.70

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.88%

SKEWNESS: -0.679

KURTOSIS: 1.331

## GRAPHIC METHOD

MEAN (PHI): 2.79

SORTING: 0.51

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.82

SORTING: 0.74

MEAN (mm): 0.14

DATA FILE NAME: VC99-37#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-37 #4

SAMPLE ELEV. (FT. NGVD): -65.9

SAMPLE DEPTH (FT.): 16.4

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 248.47

SAMPLE WEIGHT AFTER WASH (GRAMS): 244.82

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	1.51	0.61	99.39
5	-2.00	4.000	5.69	2.29	97.71
7	-1.50	2.800	8.15	3.28	96.72
10	-1.00	2.000	11.92	4.80	95.20
14	-0.50	1.400	20.90	8.41	91.59
18	0.00	1.000	35.26	14.19	85.81
25	0.50	0.710	65.64	26.42	73.58
35	1.00	0.500	118.76	47.80	52.20
45	1.50	0.355	161.52	65.01	34.99
60	2.00	0.250	178.81	71.96	28.04
80	2.50	0.180	189.22	76.15	23.85
120	3.00	0.125	221.29	89.06	10.94
170	3.50	0.090	243.17	97.87	2.13
200	3.75	0.075	244.30	98.32	1.68
230	4.00	0.063	246.43	99.18	0.82
PAN			248.45	99.99	0.01

PHI (5): -0.97

PHI (16): 0.07

PHI (25): 0.44

PHI (50): 1.06

PHI (75): 2.36

PHI (84): 2.80

PHI (95): 3.34

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.68%

SKEWNESS: 0.087

KURTOSIS: 0.920

## GRAPHIC METHOD

MEAN (PHI): 1.26

SORTING: 1.36

MEAN (mm): 0.42

MEDIAN (mm): 0.48

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

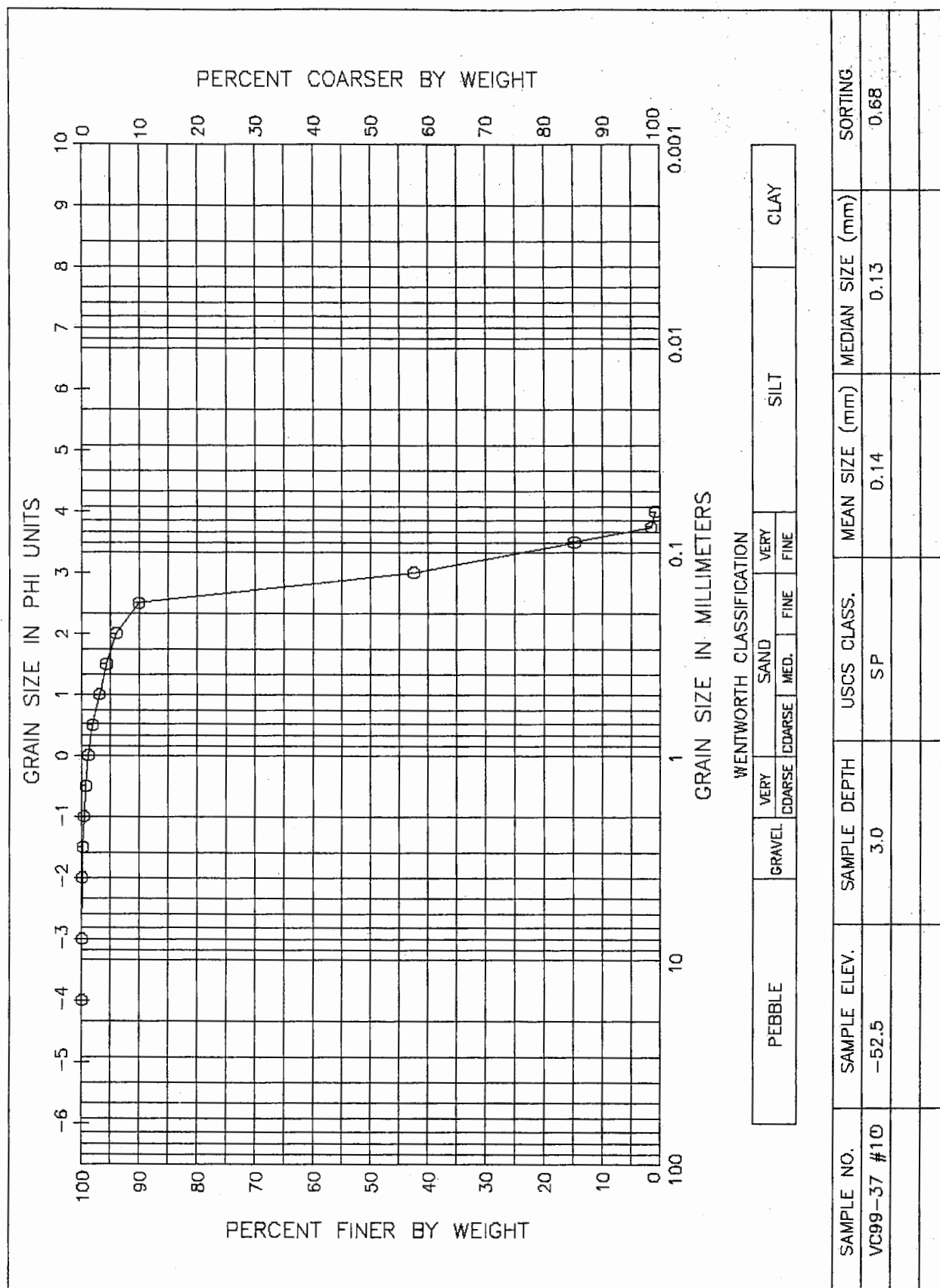
## MOMENT METHOD

MEAN (PHI): 1.18

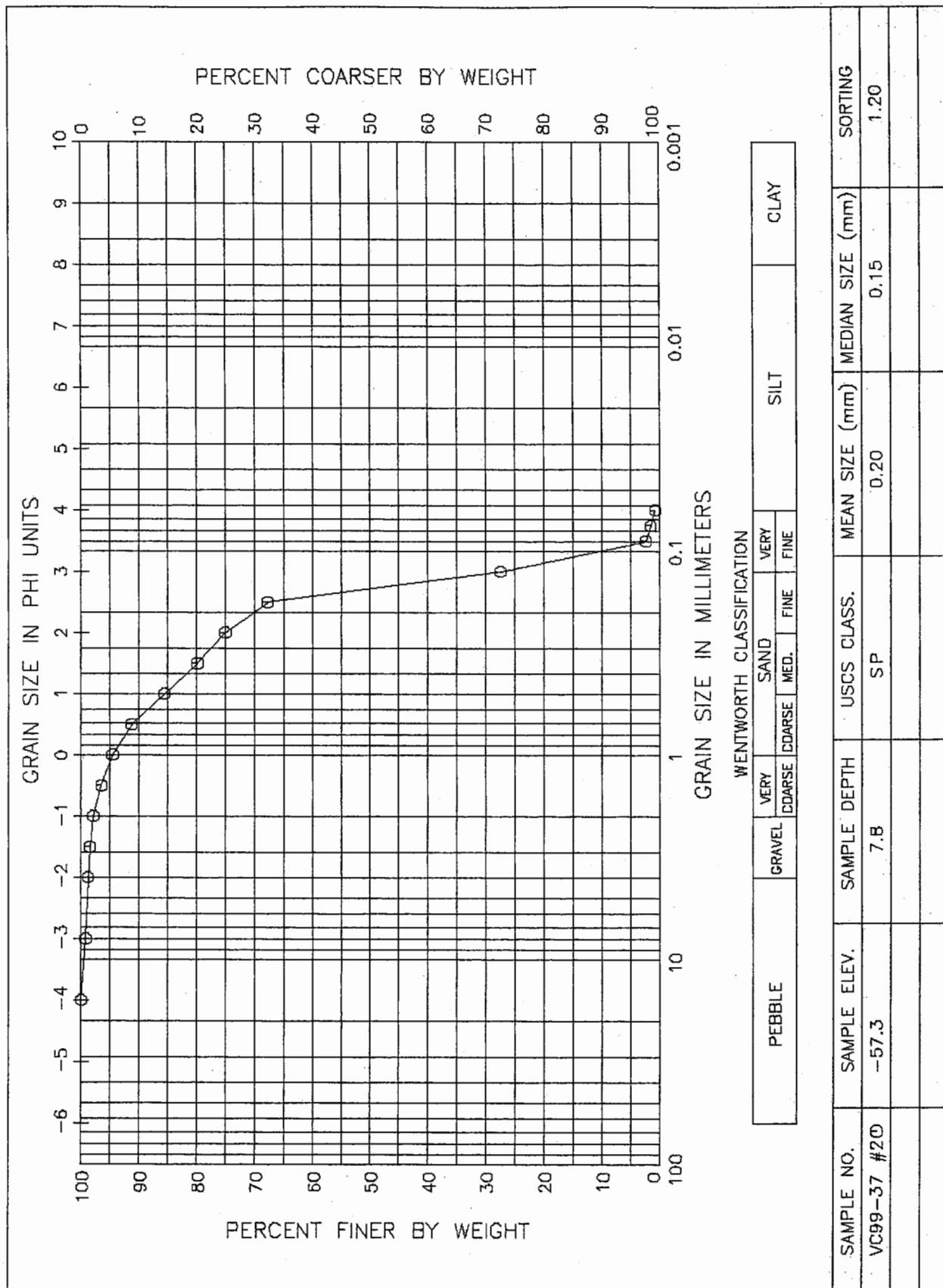
SORTING: 1.34

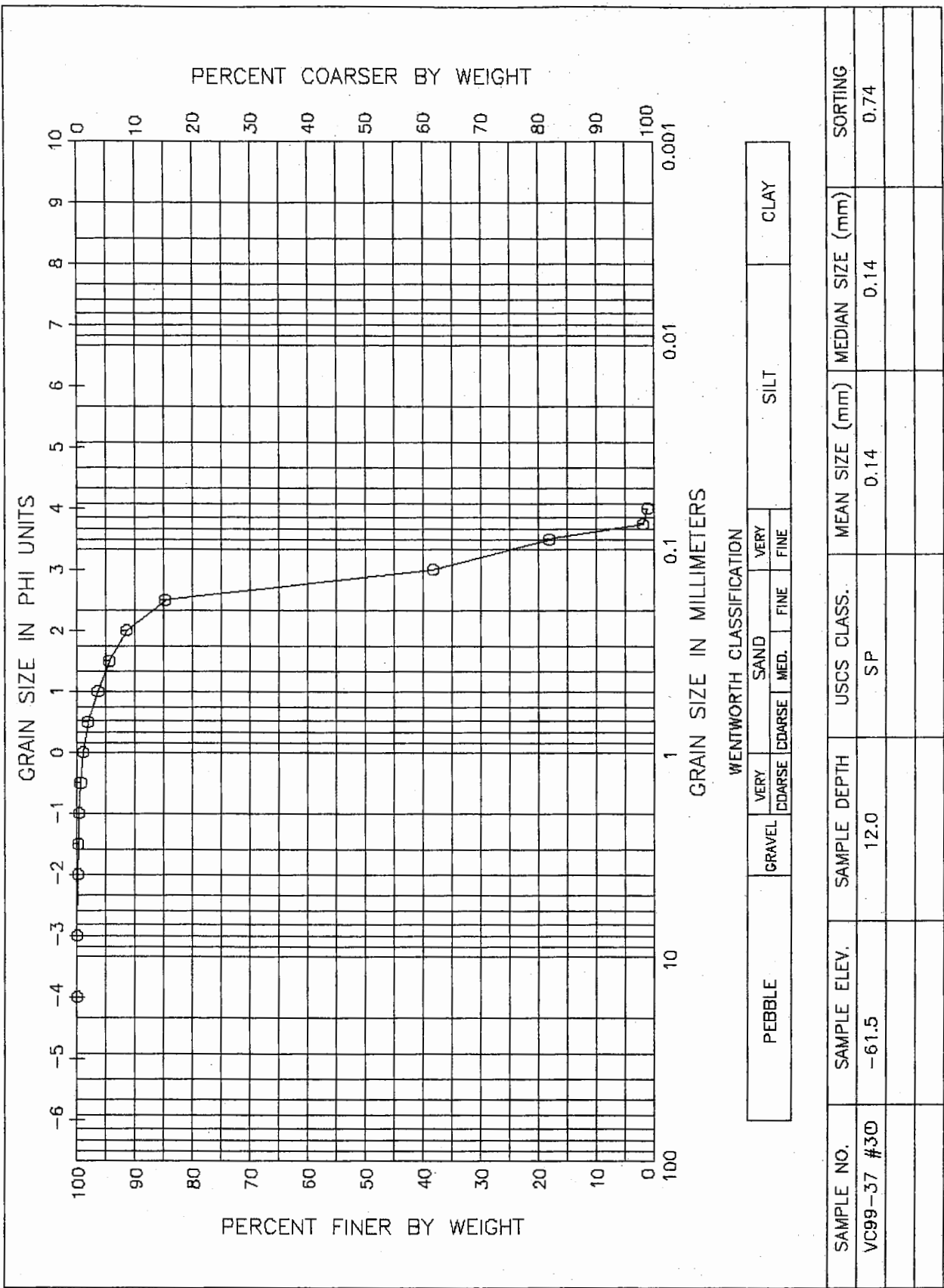
MEAN (mm): 0.44

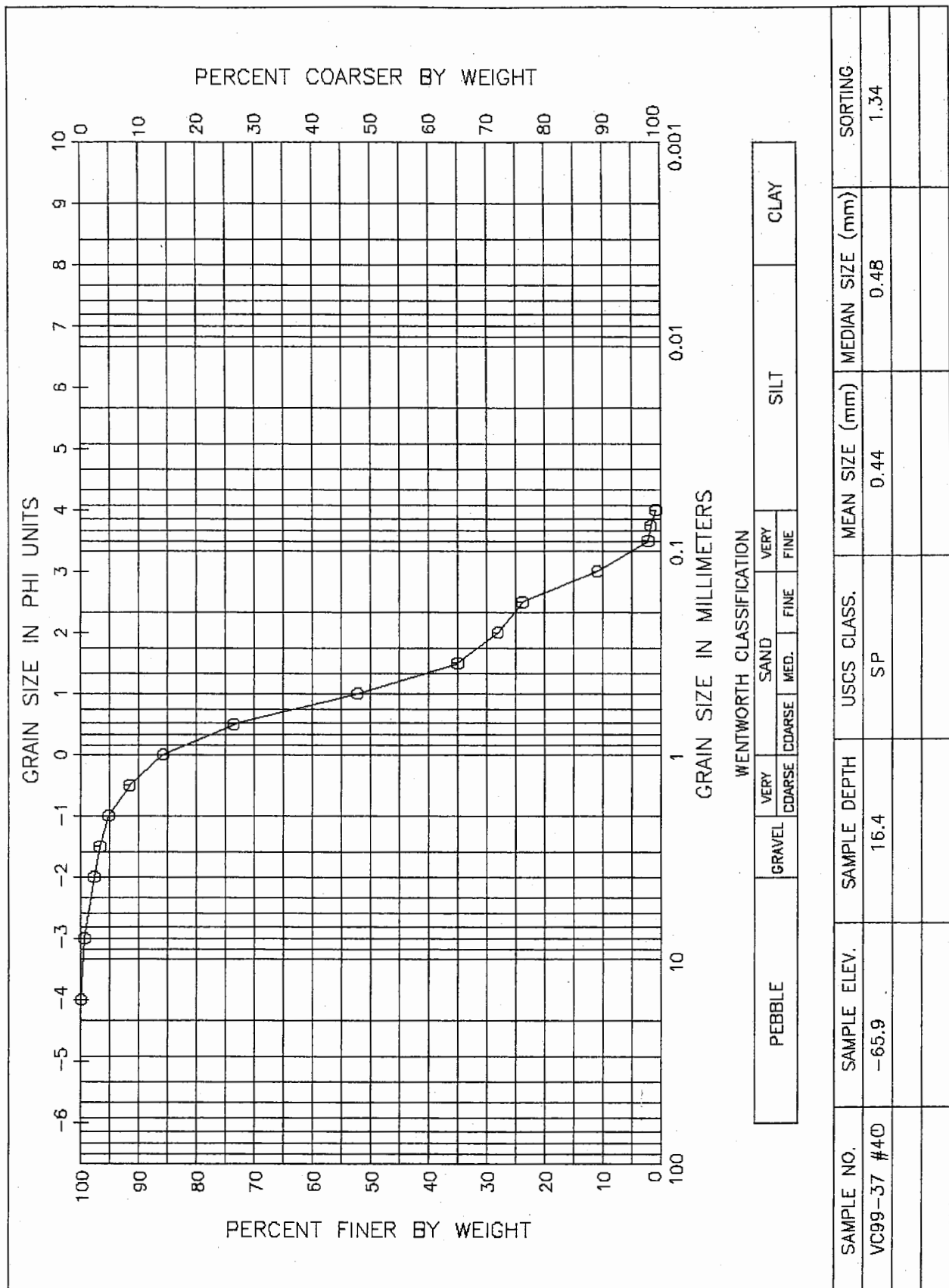
DATA FILE NAME: VC99-37#4.TAB



GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH







GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH