

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/1999

SAMPLE NO.: VC99 23#1

SAMPLE ELEV. (FT. NGVD): -33.8

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 101.60

SAMPLE WEIGHT AFTER WASH (GRAMS): 100.50

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	0.05	0.05	99.95
10	-1.00	2.000	0.11	0.11	99.89
14	-0.50	1.400	0.23	0.23	99.77
18	0.00	1.000	0.32	0.31	99.69
25	0.50	0.710	0.53	0.52	99.48
35	1.00	0.500	1.10	1.08	98.92
45	1.50	0.355	2.41	2.37	97.63
60	2.00	0.250	5.56	5.47	94.53
80	2.50	0.180	13.68	13.46	86.54
120	3.00	0.125	60.74	59.78	40.22
170	3.50	0.090	99.10	97.54	2.46
200	3.75	0.075	100.37	98.79	1.21
230	4.00	0.063	100.92	99.33	0.67
PAN			101.56	99.96	0.04

PHI (5): 1.92

PHI (16): 2.53

PHI (25): 2.62

PHI (50): 2.89

PHI (75): 3.20

PHI (84): 3.32

PHI (95): 3.47

SIEVE LOSS (g): 0.04

SILT/CLAY: 1.21%

SKEWNESS: -0.502

KURTOSIS: 1.096

## GRAPHIC METHOD

MEAN (PHI): 2.83

SORTING: 0.40

MEAN (mm): 0.14

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.84

SORTING: 0.51

MEAN (mm): 0.14

DATA FILE NAME: VC99-23#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 5/20/99

SAMPLE NO.: VC99 23#2

SAMPLE ELEV. (FT. NGVD): -38.5

SAMPLE DEPTH (FT.): 6.7

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 94.28

SAMPLE WEIGHT AFTER WASH (GRAMS): 93.41

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	2.94	3.12	96.88
5	-2.00	4.000	5.13	5.44	94.56
7	-1.50	2.800	6.61	7.01	92.99
10	-1.00	2.000	8.38	8.89	91.11
14	-0.50	1.400	12.18	12.92	87.08
18	0.00	1.000	17.01	18.04	81.96
25	0.50	0.710	25.63	27.18	72.82
35	1.00	0.500	39.09	41.46	58.54
45	1.50	0.355	50.41	53.47	46.53
60	2.00	0.250	58.48	62.03	37.97
80	2.50	0.180	66.85	70.91	29.09
120	3.00	0.125	84.63	89.76	10.24
170	3.50	0.090	92.74	98.37	1.63
200	3.75	0.075	93.28	98.94	1.06
230	4.00	0.063	93.76	99.45	0.55
PAN			94.28	100.00	0.00

PHI (5): -2.19

PHI (16): -0.20

PHI (25): 0.38

PHI (50): 1.36

PHI (75): 2.61

PHI (84): 2.85

PHI (95): 3.30

SIEVE LOSS (g): 0.00

SILT/CLAY: 1.06%

SKEWNESS: -0.524

KURTOSIS: 1.011

## GRAPHIC METHOD

MEAN (PHI): 1.02

SORTING: 1.52

MEAN (mm): 0.49

MEDIAN (mm): 0.39

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.21

SORTING: 1.63

MEAN (mm): 0.43

DATA FILE NAME: VC99-23#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/99

SAMPLE NO.: VC99 23#3

SAMPLE ELEV. (FT. NGVD): -40.1

SAMPLE DEPTH (FT.): 8.3

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 107.18

SAMPLE WEIGHT AFTER WASH (GRAMS): 104.42

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	0.54	0.50	99.50
5	-2.00	4.000	1.12	1.04	98.96
7	-1.50	2.800	1.78	1.66	98.34
10	-1.00	2.000	2.46	2.30	97.70
14	-0.50	1.400	3.57	3.33	96.67
18	0.00	1.000	5.60	5.22	94.78
25	0.50	0.710	9.43	8.80	91.20
35	1.00	0.500	17.62	16.44	83.56
45	1.50	0.355	28.13	26.25	73.75
60	2.00	0.250	49.33	46.03	53.97
80	2.50	0.180	67.21	62.71	37.29
120	3.00	0.125	90.96	84.87	15.13
170	3.50	0.090	103.85	96.89	3.11
200	3.75	0.075	104.33	97.34	2.66
230	4.00	0.063	105.76	98.68	1.32
PAN			107.16	99.98	0.02

PHI (5): -0.06

PHI (16): 0.97

PHI (25): 1.44

PHI (50): 2.12

PHI (75): 2.78

PHI (84): 2.98

PHI (95): 3.42

SIEVE LOSS (g): 0.02

SILT/CLAY: 2.66%

SKEWNESS: -0.436

KURTOSIS: 1.064

## GRAPHIC METHOD

MEAN (PHI): 1.89

SORTING: 1.00

MEAN (mm): 0.27

MEDIAN (mm): 0.23

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.94

SORTING: 1.13

MEAN (mm): 0.26

DATA FILE NAME: VC99-23#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 5/20/99

SAMPLE NO.: VC99 23#4

SAMPLE ELEV. (FT. NGVD): -43.8

SAMPLE DEPTH (FT.): 12.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 92.95

SAMPLE WEIGHT AFTER WASH (GRAMS): 91.24

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	0.03	0.03	99.97
14	-0.50	1.400	0.06	0.06	99.94
18	0.00	1.000	0.10	0.11	99.89
25	0.50	0.710	0.18	0.19	99.81
35	1.00	0.500	0.29	0.31	99.69
45	1.50	0.355	0.58	0.62	99.38
60	2.00	0.250	1.54	1.66	98.34
80	2.50	0.180	6.46	6.95	93.05
120	3.00	0.125	39.52	42.52	57.48
170	3.50	0.090	88.21	94.90	5.10
200	3.75	0.075	90.89	97.78	2.22
230	4.00	0.063	91.93	98.91	1.09
PAN			92.91	99.96	0.04

PHI(5): 2.32

PHI(16): 2.63

PHI(25): 2.75

PHI(50): 3.07

PHI(75): 3.31

PHI(84): 3.40

PHI(95): 3.51

SIEVE LOSS(g): 0.04

SILT/CLAY: 2.22%

SKEWNESS: -0.414

KURTOSIS: 0.879

## GRAPHIC METHOD

MEAN (PHI): 2.98

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

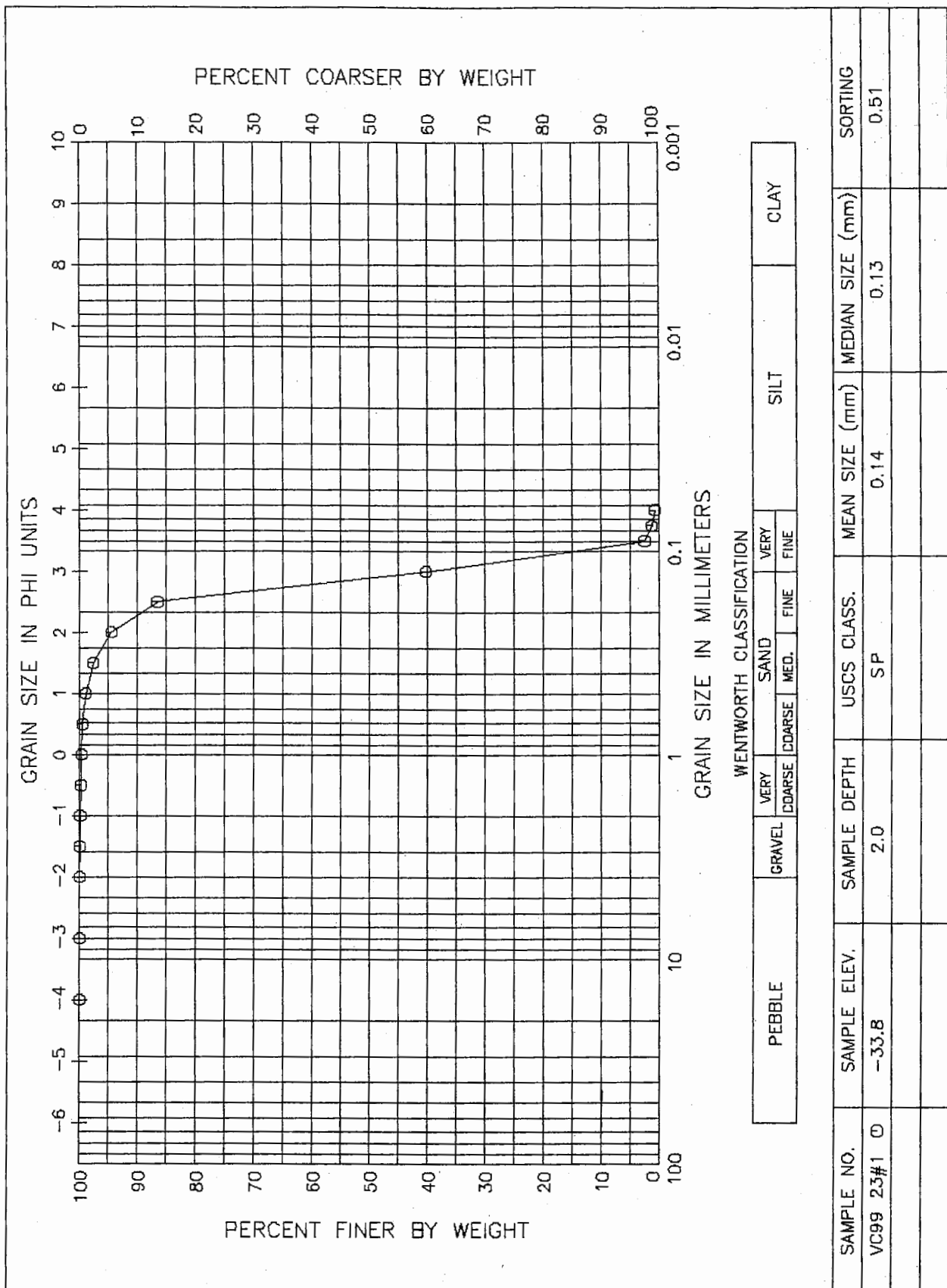
## MOMENT METHOD

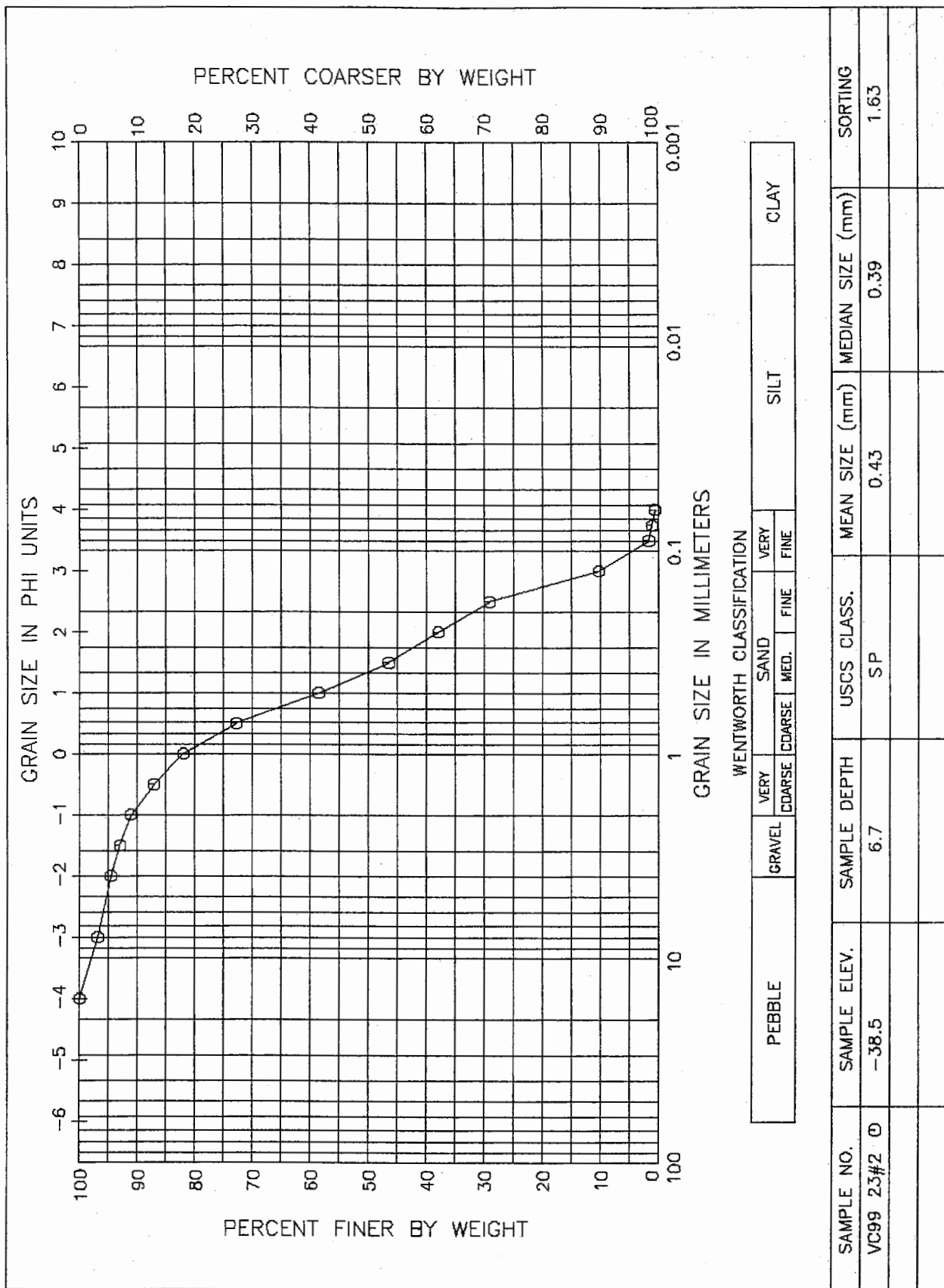
MEAN (PHI): 3.00

SORTING: 0.40

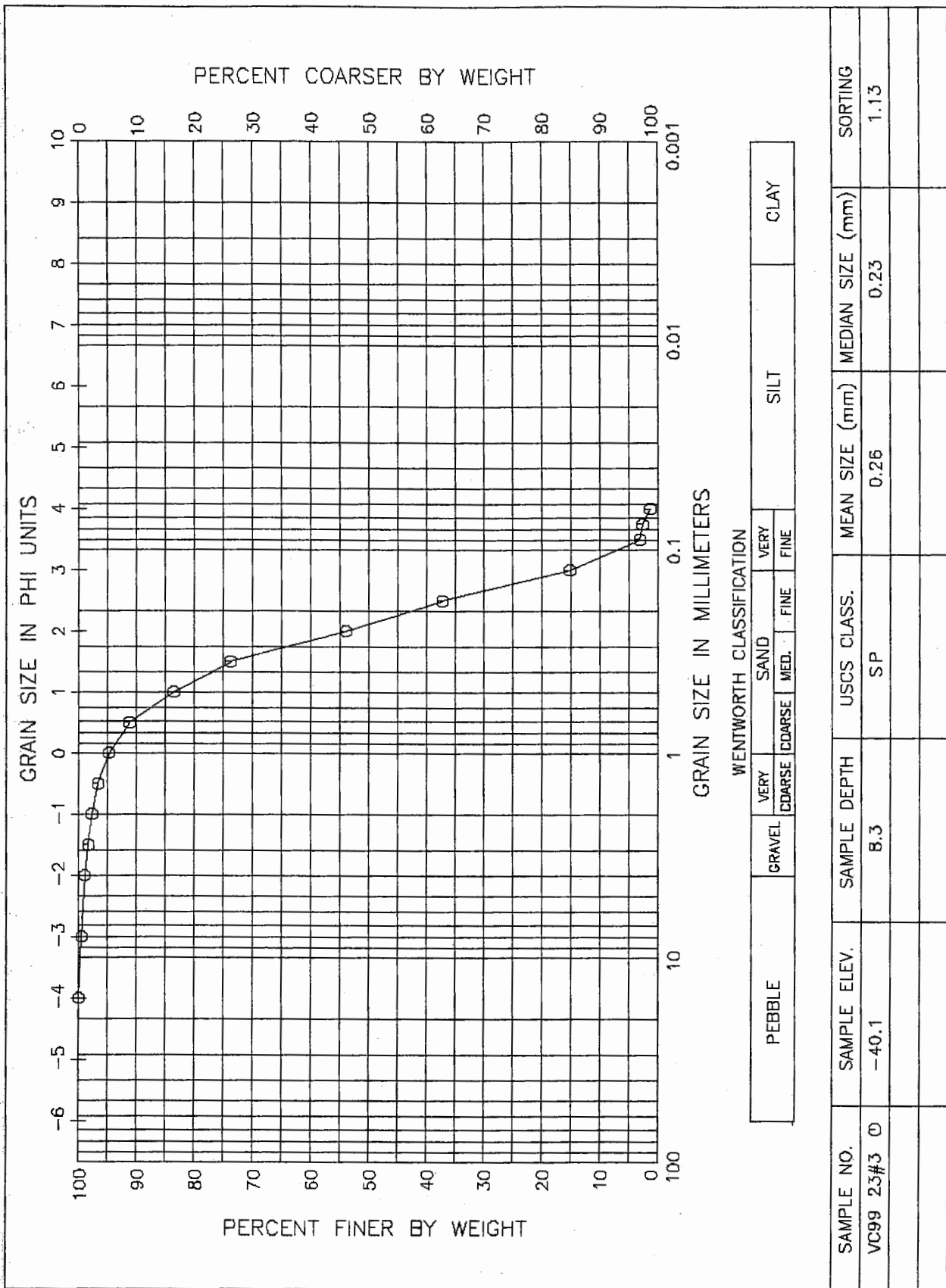
MEAN (mm): 0.12

DATA FILE NAME: VC99-23#4.TAB

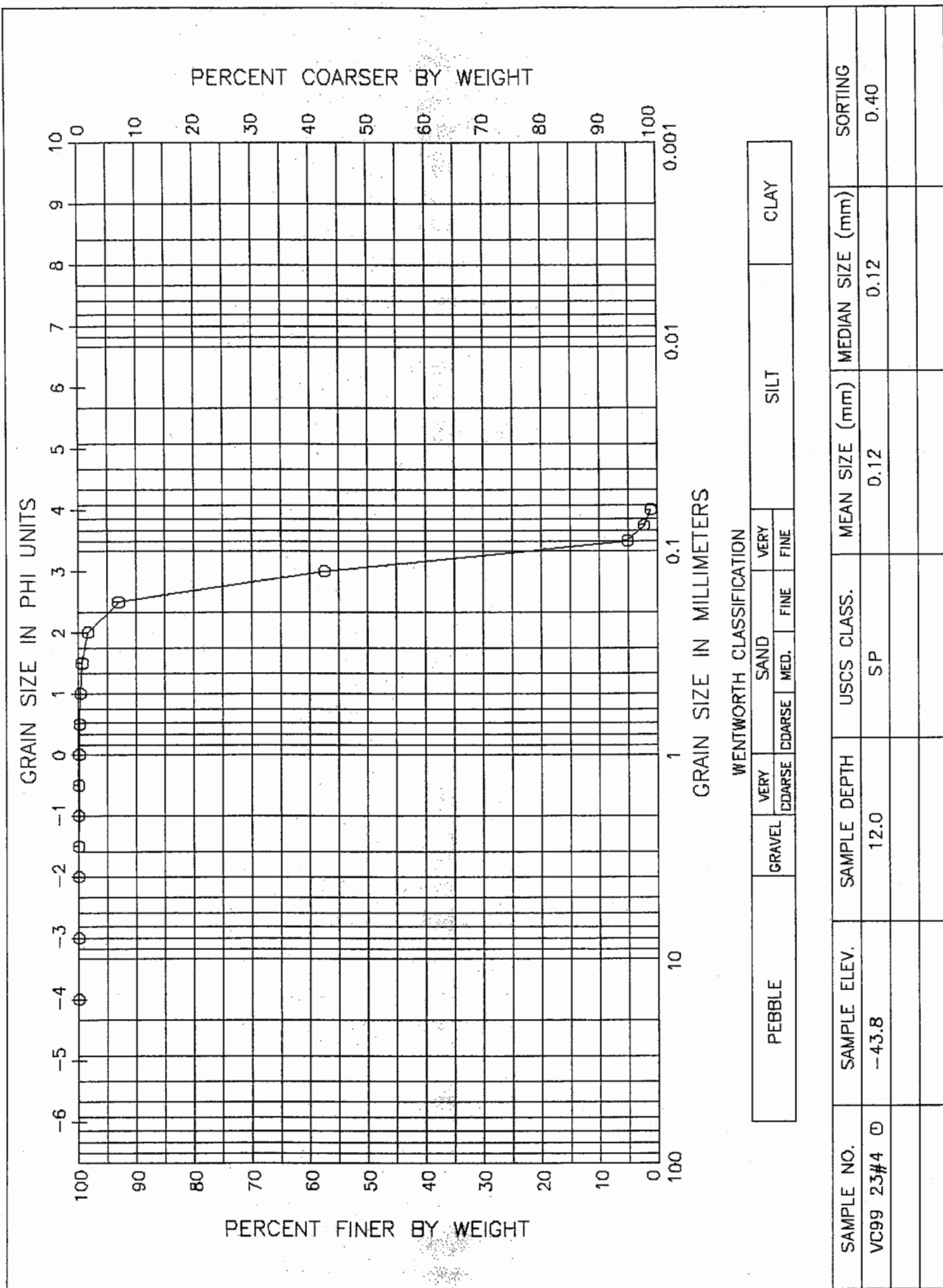




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TOWN OF PALM BEACH



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