

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 32#1  
SAMPLE ELEV. (FT. NGVD): -36.5  
SAMPLE DEPTH (FT.): .40  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 205.73  
SAMPLE WEIGHT AFTER WASH (GRAMS): 203.45

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	2.45	1.19	98.81
7	-1.50	2.800	3.59	1.75	98.25
10	-1.00	2.000	5.32	2.59	97.41
14	-0.50	1.400	7.87	3.83	96.17
18	0.00	1.000	11.23	5.46	94.54
25	0.50	0.710	17.36	8.44	91.56
35	1.00	0.500	26.99	13.12	86.88
45	1.50	0.355	39.80	19.35	80.65
60	2.00	0.250	64.60	31.40	68.60
80	2.50	0.180	102.90	50.02	49.98
120	3.00	0.125	169.96	82.61	17.39
170	3.50	0.090	202.48	98.42	1.58
200	3.75	0.075	203.24	98.79	1.21
230	4.00	0.063	204.53	99.42	0.58
PAN			205.73	100.00	0.00

PHI (5): -0.14      PHI (16): 1.23      PHI (25): 1.73  
PHI (50): 2.50      PHI (75): 2.88      PHI (84): 3.04  
PHI (95): 3.39

SIEVE LOSS (g): 0.00      SILT/CLAY: 1.21%  
SKEWNESS: -0.964      KURTOSIS: 1.260

## GRAPHIC METHOD

MEAN (PHI): 2.01      SORTING: 0.91  
MEAN (mm): 0.25      MEDIAN (mm): 0.18  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.15      SORTING: 1.12  
MEAN (mm): 0.23

DATA FILE NAME: VC99-32#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 32#2

SAMPLE ELEV. (FT. NGVD): -40.1

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 206.99

SAMPLE WEIGHT AFTER WASH (GRAMS): 204.04

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	0.12	0.06	99.94
5	-2.00	4.000	0.16	0.08	99.92
7	-1.50	2.800	0.17	0.08	99.92
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.42	0.20	99.80
18	0.00	1.000	0.62	0.30	99.70
25	0.50	0.710	1.02	0.49	99.51
35	1.00	0.500	2.10	1.01	98.99
45	1.50	0.355	4.77	2.30	97.70
60	2.00	0.250	13.21	6.38	93.62
80	2.50	0.180	43.68	21.10	78.90
120	3.00	0.125	152.15	73.51	26.49
170	3.50	0.090	202.62	97.89	2.11
200	3.75	0.075	203.65	98.39	1.61
230	4.00	0.063	205.36	99.21	0.79
PAN			206.98	100.00	0.00

PHI (5): 1.83

PHI (16): 2.33

PHI (25): 2.54

PHI (50): 2.78

PHI (75): 3.03

PHI (84): 3.22

PHI (95): 3.44

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.61%

SKEWNESS: -0.315

KURTOSIS: 1.337

## GRAPHIC METHOD

MEAN (PHI): 2.72

SORTING: 0.44

MEAN (mm): 0.15

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.72

SORTING: 0.52

MEAN (mm): 0.15

DATA FILE NAME: VC99-32#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/29/99

SAMPLE NO.: VC99 32#3  
SAMPLE ELEV. (FT. NGVD): -45.1  
SAMPLE DEPTH (FT.): 9.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 203.68  
SAMPLE WEIGHT AFTER WASH (GRAMS): 200.57

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	0.01	0.00	100.00
7	-1.50	2.800	0.33	0.16	99.84
10	-1.00	2.000	0.73	0.36	99.64
14	-0.50	1.400	1.24	0.61	99.39
18	0.00	1.000	1.59	0.78	99.22
25	0.50	0.710	2.07	1.02	98.98
35	1.00	0.500	2.80	1.37	98.63
45	1.50	0.355	4.21	2.07	97.93
60	2.00	0.250	9.94	4.88	95.12
80	2.50	0.180	35.69	17.52	82.48
120	3.00	0.125	128.67	63.17	36.83
170	3.50	0.090	199.34	97.87	2.13
200	3.75	0.075	200.22	98.30	1.70
230	4.00	0.063	201.92	99.14	0.86
PAN			203.66	99.99	0.01

PHI(5): 2.00      PHI(16): 2.44      PHI(25): 2.58  
PHI(50): 2.86      PHI(75): 3.17      PHI(84): 3.30  
PHI(95): 3.46

SIEVE LOSS(g): 0.02      SILT/CLAY: 1.70%  
SKEWNESS: -0.288      KURTOSIS: 1.012

## GRAPHIC METHOD

MEAN (PHI): 2.81      SORTING: 0.43  
MEAN (mm): 0.14      MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.79      SORTING: 0.56  
MEAN (mm): 0.14

DATA FILE NAME: VC99-32#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/29/99

SAMPLE NO.: VC99 32#4

SAMPLE ELEV. (FT. NGVD): -50.1

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 200.41

SAMPLE WEIGHT AFTER WASH (GRAMS): 197.64

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	0.00	0.00	100.00
7	-1.50	2.800	0.09	0.04	99.96
10	-1.00	2.000	0.26	0.13	99.87
14	-0.50	1.400	0.50	0.25	99.75
18	0.00	1.000	0.79	0.39	99.61
25	0.50	0.710	1.11	0.55	99.45
35	1.00	0.500	1.77	0.88	99.12
45	1.50	0.355	3.28	1.64	98.36
60	2.00	0.250	9.09	4.54	95.46
80	2.50	0.180	35.17	17.55	82.45
120	3.00	0.125	135.69	67.71	32.29
170	3.50	0.090	196.11	97.85	2.15
200	3.75	0.075	197.21	98.40	1.60
230	4.00	0.063	198.80	99.20	0.80
PAN			200.42	100.00	0.00

PHI (5): 2.02

PHI (16): 2.44

PHI (25): 2.57

PHI (50): 2.82

PHI (75): 3.12

PHI (84): 3.27

PHI (95): 3.45

SIEVE LOSS (g): -0.01

SILT/CLAY: 1.60%

SKEWNESS: -0.213

KURTOSIS: 1.076

## GRAPHIC METHOD

MEAN (PHI): 2.80

SORTING: 0.41

MEAN (mm): 0.14

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

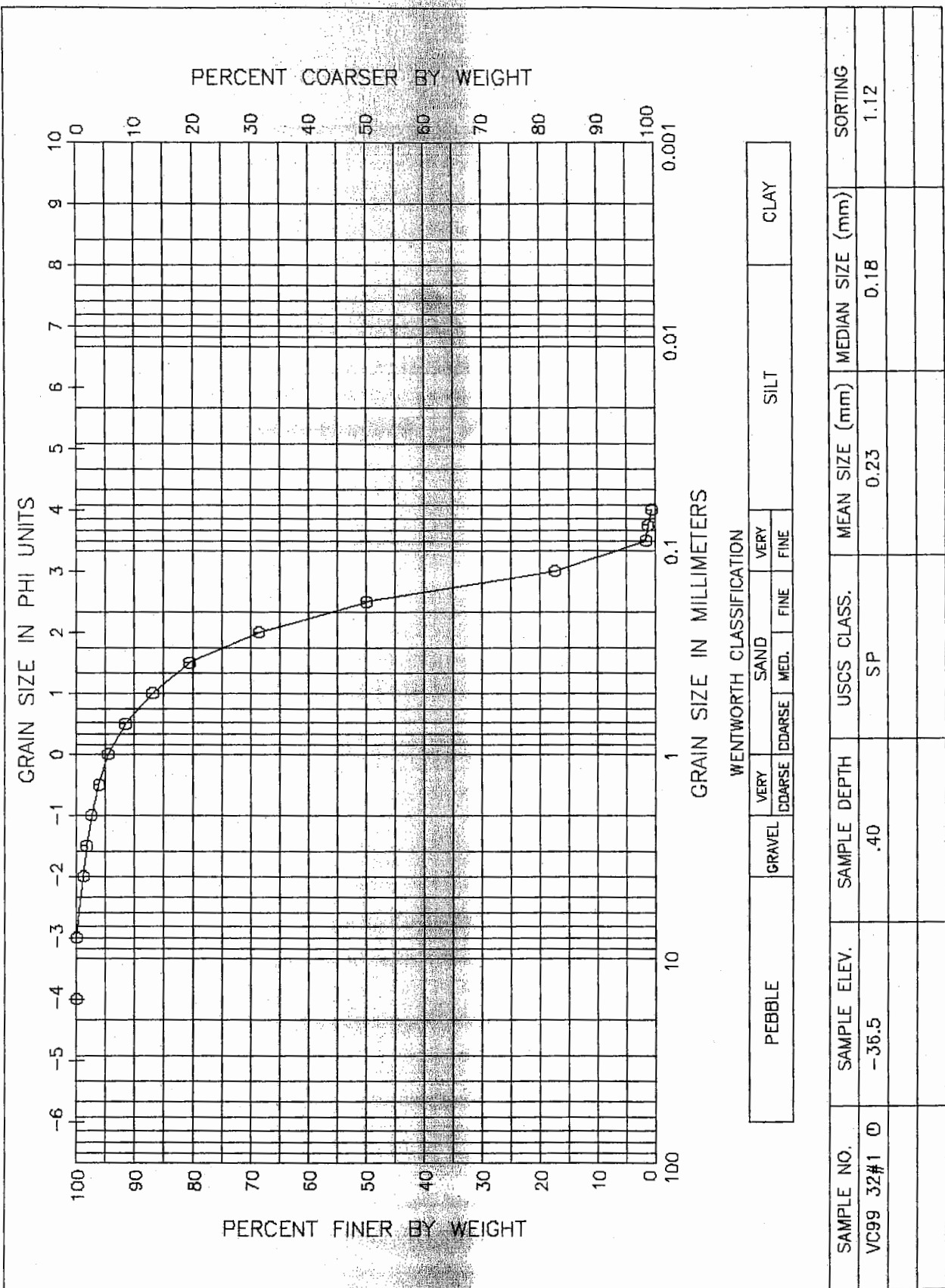
## MOMENT METHOD

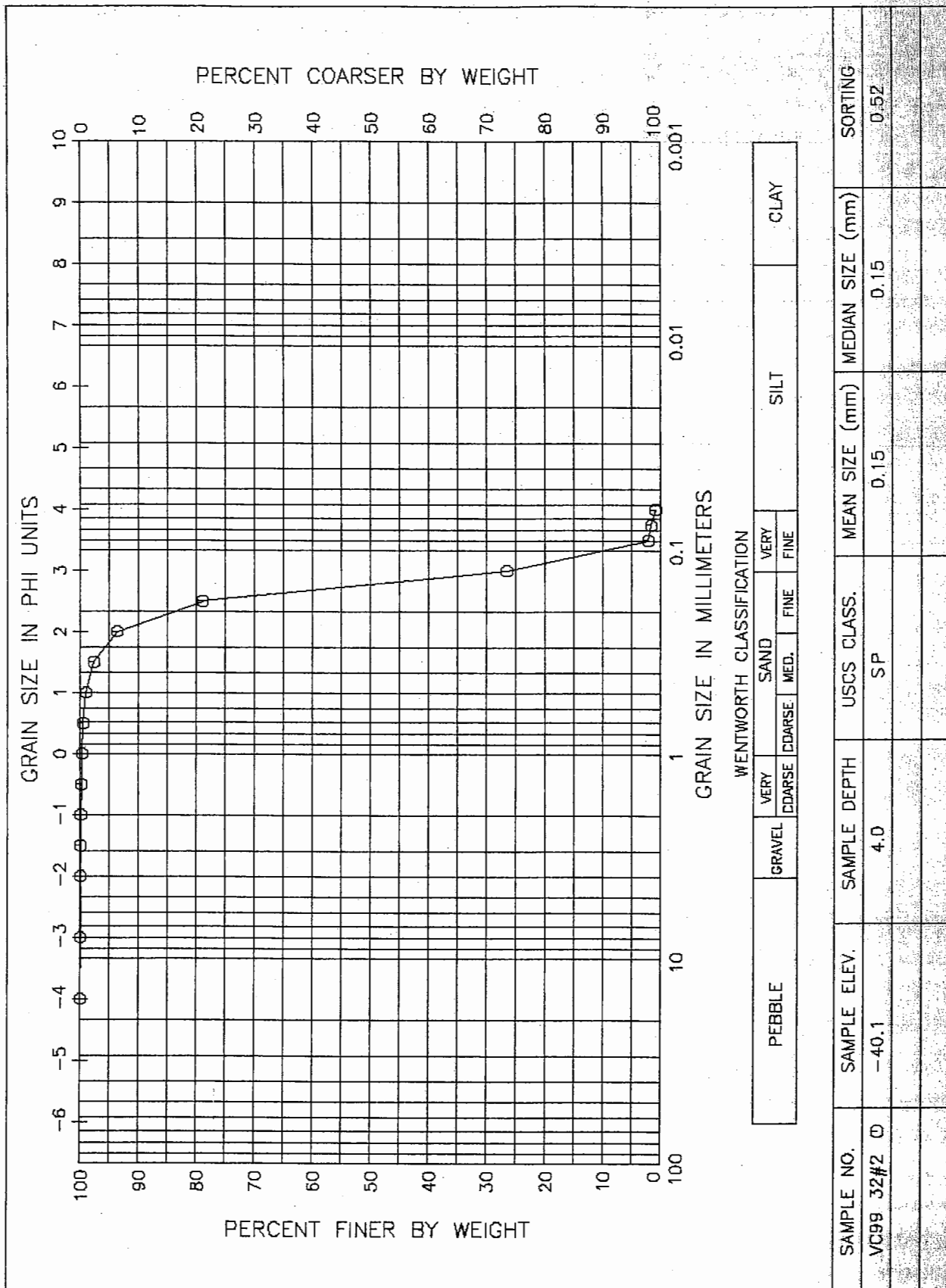
MEAN (PHI): 2.78

SORTING: 0.49

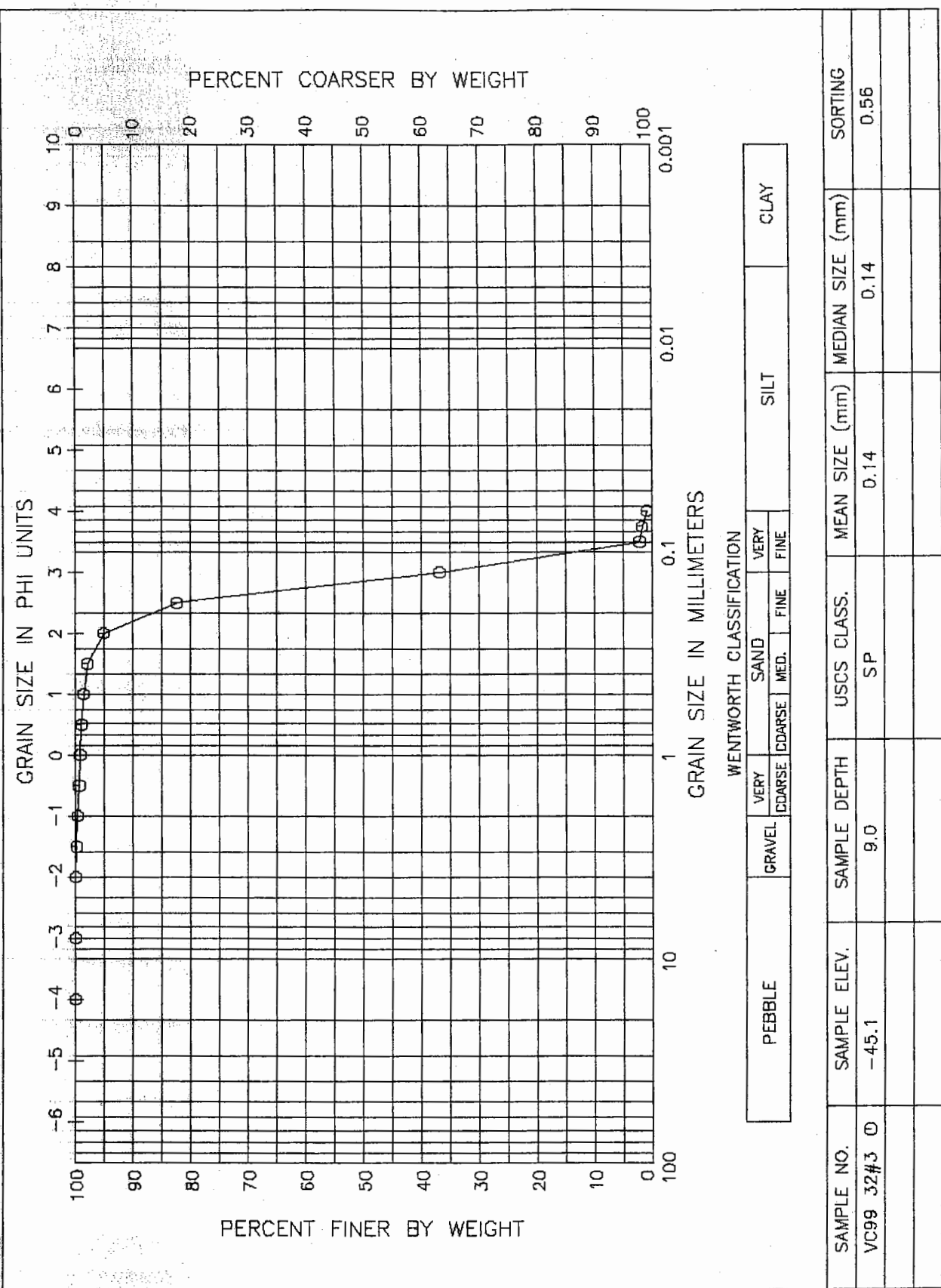
MEAN (mm): 0.15

DATA FILE NAME: VC99-32#4.TAB

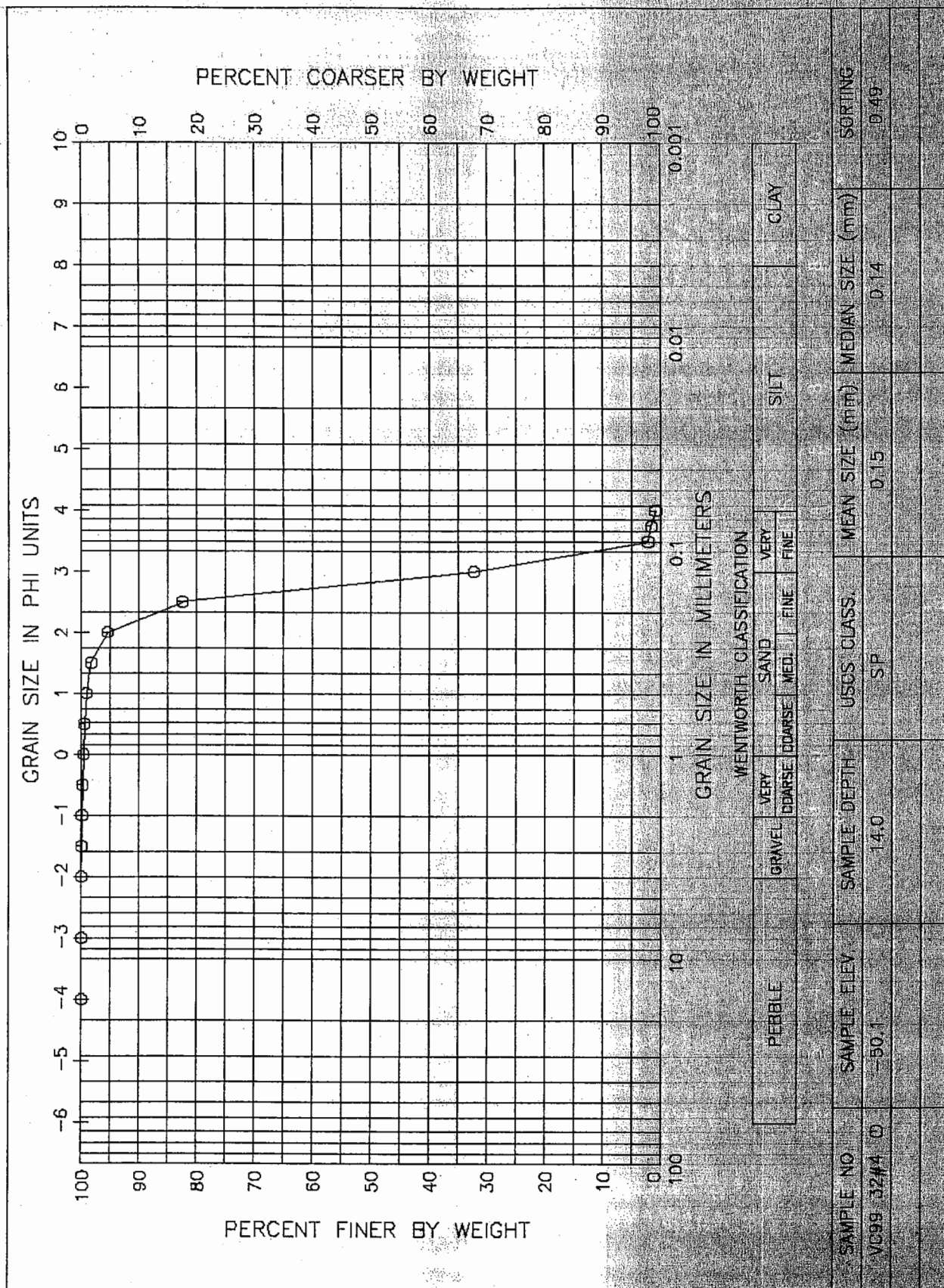




GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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