

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 7-1-99

SAMPLE NO.: VC99-41 #1

SAMPLE ELEV. (FT. NGVD): -52.9

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 137.49

SAMPLE WEIGHT AFTER WASH (GRAMS): 135.50

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	0.06	0.04	99.96
7	-1.50	2.800	0.26	0.19	99.81
10	-1.00	2.000	0.48	0.35	99.65
14	-0.50	1.400	0.91	0.66	99.34
18	0.00	1.000	1.31	0.95	99.05
25	0.50	0.710	1.79	1.30	98.70
35	1.00	0.500	2.74	1.99	98.01
45	1.50	0.355	5.17	3.76	96.24
60	2.00	0.250	13.07	9.51	90.49
80	2.50	0.180	36.26	26.37	73.63
120	3.00	0.125	107.09	77.89	22.11
170	3.50	0.090	134.86	98.09	1.91
200	3.75	0.075	135.44	98.51	1.49
230	4.00	0.063	136.45	99.25	0.75
PAN			137.47	99.99	0.01

PHI (5): 1.61

PHI (16): 2.19

PHI (25): 2.46

PHI (50): 2.73

PHI (75): 2.97

PHI (84): 3.15

PHI (95): 3.42

SIEVE LOSS (g): 0.02

SILT/CLAY: 1.49%

SKEWNESS: -0.446

KURTOSIS: 1.452

## GRAPHIC METHOD

MEAN (PHI): 2.62

SORTING: 0.48

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.64

SORTING: 0.61

MEAN (mm): 0.16

DATA FILE NAME: VC99-41#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-41 #2

SAMPLE ELEV. (FT. NGVD): -55.4

SAMPLE DEPTH (FT.): 6.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 105.50

SAMPLE WEIGHT AFTER WASH (GRAMS): 104.22

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	1.20	1.14	98.86
5	-2.00	4.000	2.57	2.44	97.56
7	-1.50	2.800	2.99	2.83	97.17
10	-1.00	2.000	3.78	3.58	96.42
14	-0.50	1.400	4.95	4.69	95.31
18	0.00	1.000	6.62	6.27	93.73
25	0.50	0.710	8.81	8.35	91.65
35	1.00	0.500	11.35	10.76	89.24
45	1.50	0.355	13.31	12.62	87.38
60	2.00	0.250	15.12	14.33	85.67
80	2.50	0.180	19.97	18.93	81.07
120	3.00	0.125	63.56	60.25	39.75
170	3.50	0.090	102.18	96.85	3.15
200	3.75	0.075	103.83	98.42	1.58
230	4.00	0.063	104.78	99.32	0.68
PAN			105.49	99.99	0.01

PHI(5): -0.40

PHI(16): 2.18

PHI(25): 2.57

PHI(50): 2.88

PHI(75): 3.20

PHI(84): 3.32

PHI(95): 3.47

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.58%

SKEWNESS: -2.345

KURTOSIS: 2.530

## GRAPHIC METHOD

MEAN (PHI): 2.29

SORTING: 0.57

MEAN (mm): 0.20

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.51

SORTING: 1.28

MEAN (mm): 0.18

DATA FILE NAME: VC99-41#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-1-99

SAMPLE NO.: VC99-41 #3  
SAMPLE ELEV. (FT. NGVD): -59.9  
SAMPLE DEPTH (FT.): 11.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 126.98  
SAMPLE WEIGHT AFTER WASH (GRAMS): 124.42

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	0.00	0.00	100.00
5	-2.00	4.000	0.11	0.09	99.91
7	-1.50	2.800	0.21	0.17	99.83
10	-1.00	2.000	0.34	0.27	99.73
14	-0.50	1.400	0.77	0.61	99.39
18	0.00	1.000	1.72	1.35	98.65
25	0.50	0.710	3.48	2.74	97.26
35	1.00	0.500	6.36	5.01	94.99
45	1.50	0.355	9.15	7.21	92.79
60	2.00	0.250	13.10	10.32	89.68
80	2.50	0.180	21.29	16.77	83.23
120	3.00	0.125	76.09	59.92	40.08
170	3.50	0.090	111.64	87.92	12.08
200	3.75	0.075	123.98	97.64	2.36
230	4.00	0.063	125.28	98.66	1.34
PAN			126.96	99.98	0.02

PHI (5): 1.00 PHI (16): 2.44 PHI (25): 2.60  
PHI (50): 2.89 PHI (75): 3.27 PHI (84): 3.43  
PHI (95): 3.68

SIEVE LOSS(g): 0.02 SILT/CLAY: 2.36%  
SKEWNESS: -1.101 KURTOSIS: 1.632

## GRAPHIC METHOD

MEAN (PHI): 2.69 SORTING: 0.49  
MEAN (mm): 0.16 MEDIAN (mm): 0.14  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.76 SORTING: 0.78  
MEAN (mm): 0.15

DATA FILE NAME: VC99-41#3.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW      ON: 7-1-99

SAMPLE NO.: VC99-41 #4  
SAMPLE ELEV. (FT. NGVD): -65.9  
SAMPLE DEPTH (FT.): 17.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 202.05  
SAMPLE WEIGHT AFTER WASH (GRAMS): 198.04

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	0.00	0.00	100.00
5	-2.00	4.000	0.15	0.07	99.93
7	-1.50	2.800	0.23	0.11	99.89
10	-1.00	2.000	0.67	0.33	99.67
14	-0.50	1.400	1.39	0.69	99.31
18	0.00	1.000	2.98	1.47	98.53
25	0.50	0.710	6.15	3.04	96.96
35	1.00	0.500	11.87	5.87	94.13
45	1.50	0.355	18.25	9.03	90.97
60	2.00	0.250	25.78	12.76	87.24
80	2.50	0.180	40.89	20.24	79.76
120	3.00	0.125	127.72	63.21	36.79
170	3.50	0.090	193.16	95.60	4.40
200	3.75	0.075	196.91	97.46	2.54
230	4.00	0.063	199.68	98.82	1.18
PAN			202.04	100.00	0.00

PHI(5): 0.85	PHI(16): 2.22	PHI(25): 2.56
PHI(50): 2.85	PHI(75): 3.18	PHI(84): 3.32
PHI(95): 3.49		

SIEVE LOSS(g): 0.01	SILT/CLAY: 2.54%
SKEWNESS: -1.228	KURTOSIS: 1.730

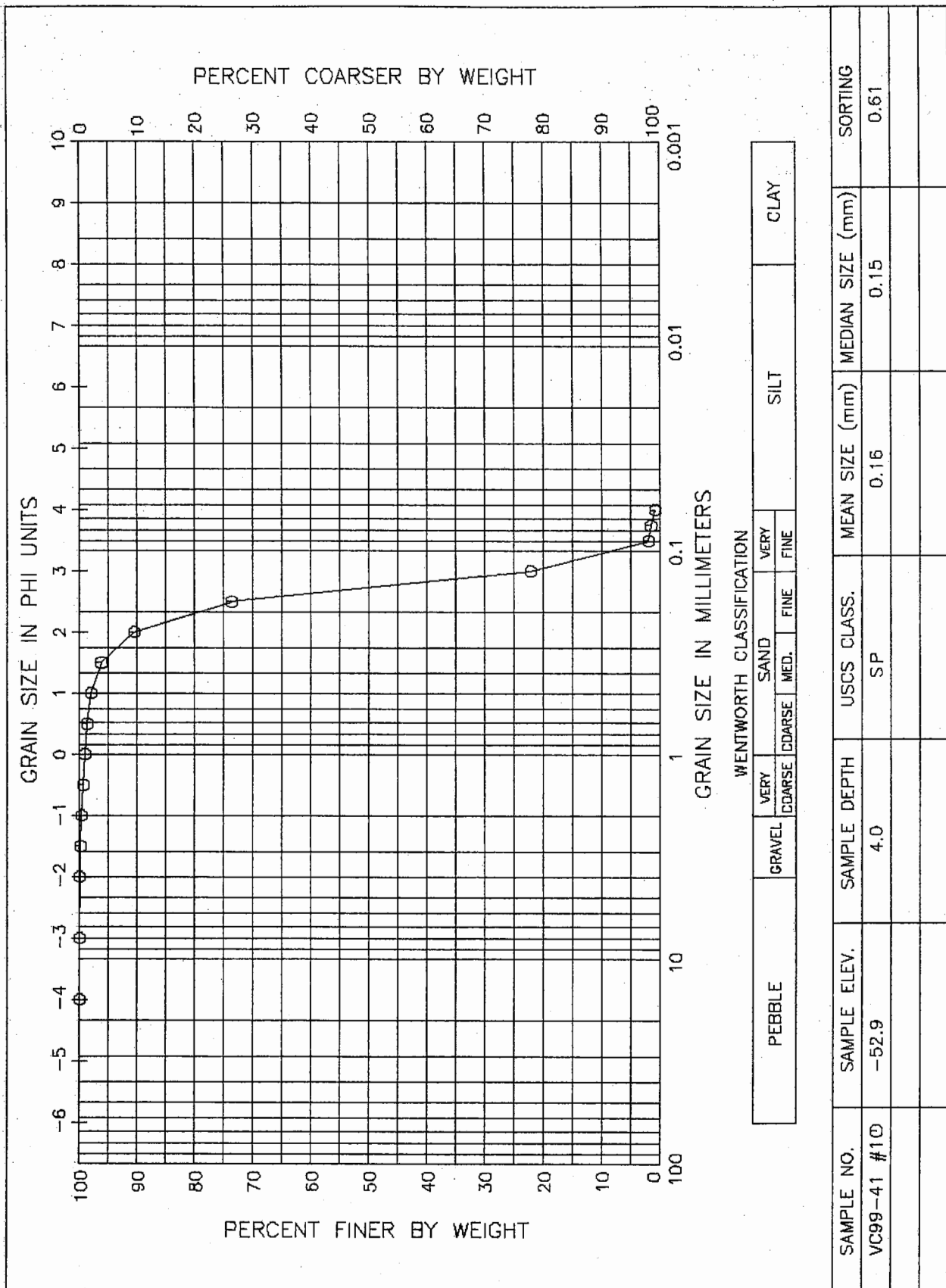
GRAPHIC METHOD

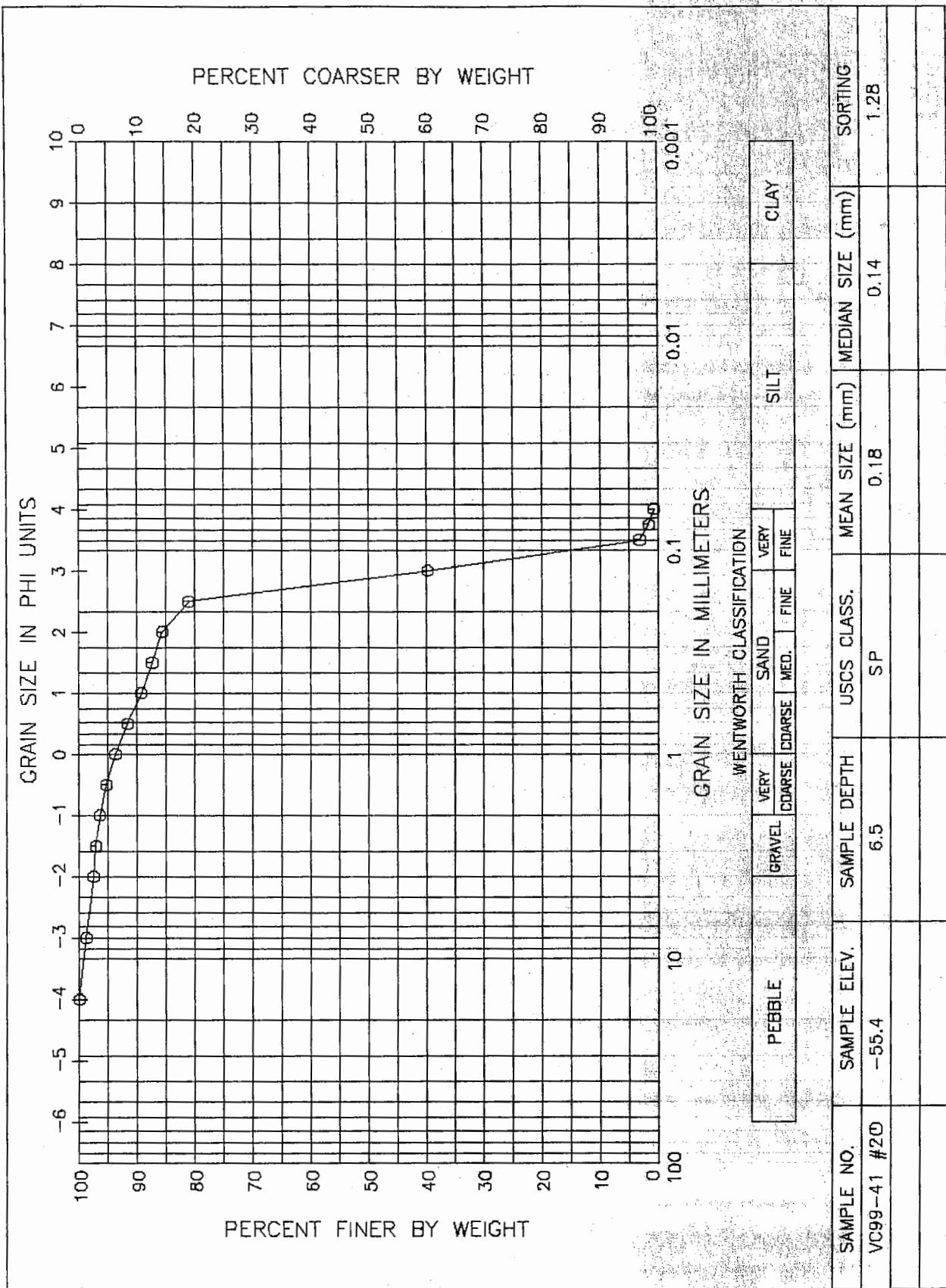
MEAN (PHI): 2.54	SORTING: 0.55
MEAN (mm): 0.17	MEDIAN (mm): 0.14
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

MOMENT METHOD

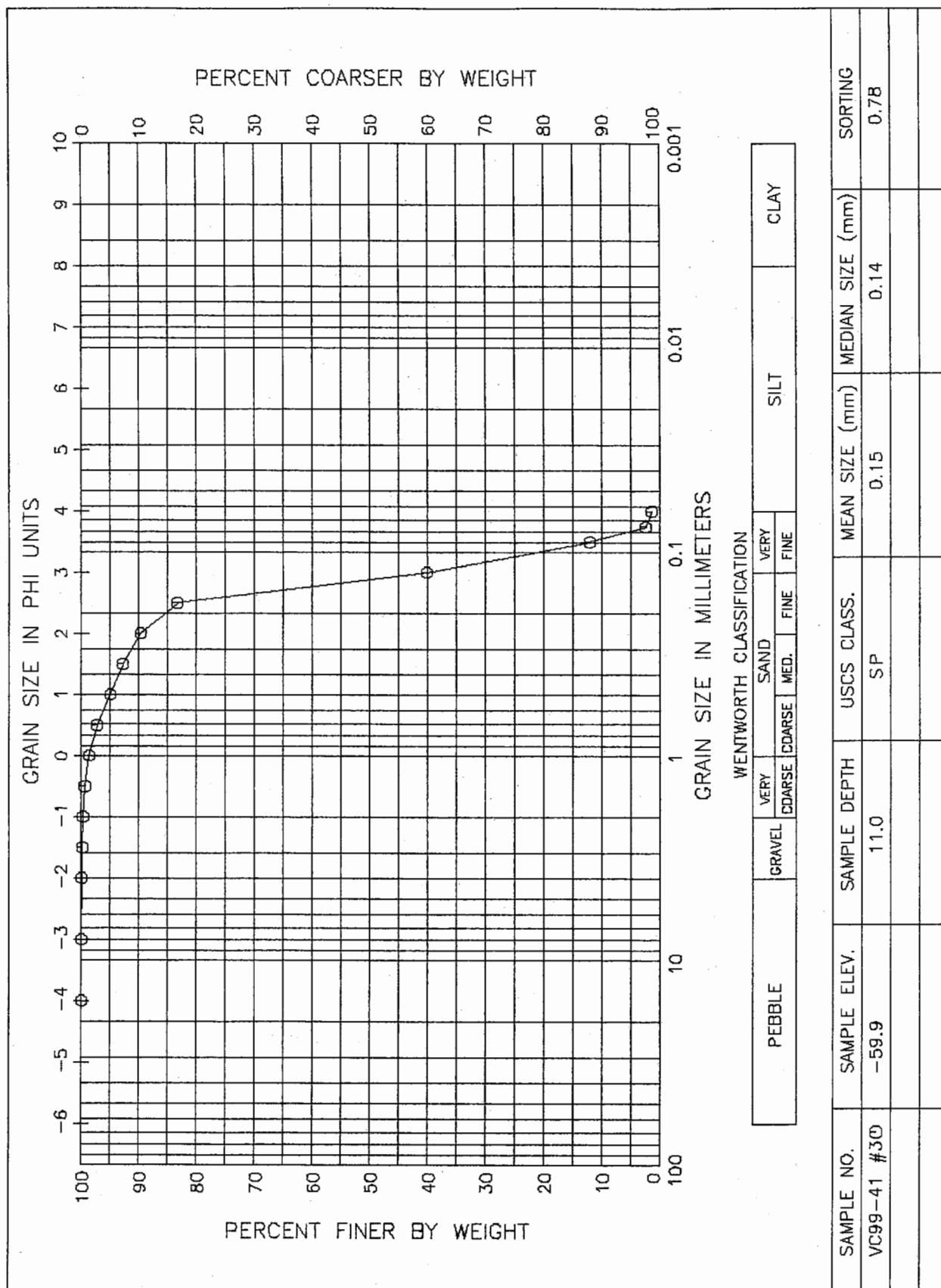
MEAN (PHI): 2.67	SORTING: 0.79
MEAN (mm): 0.16	

DATA FILE NAME: VC99-41#4.TAB

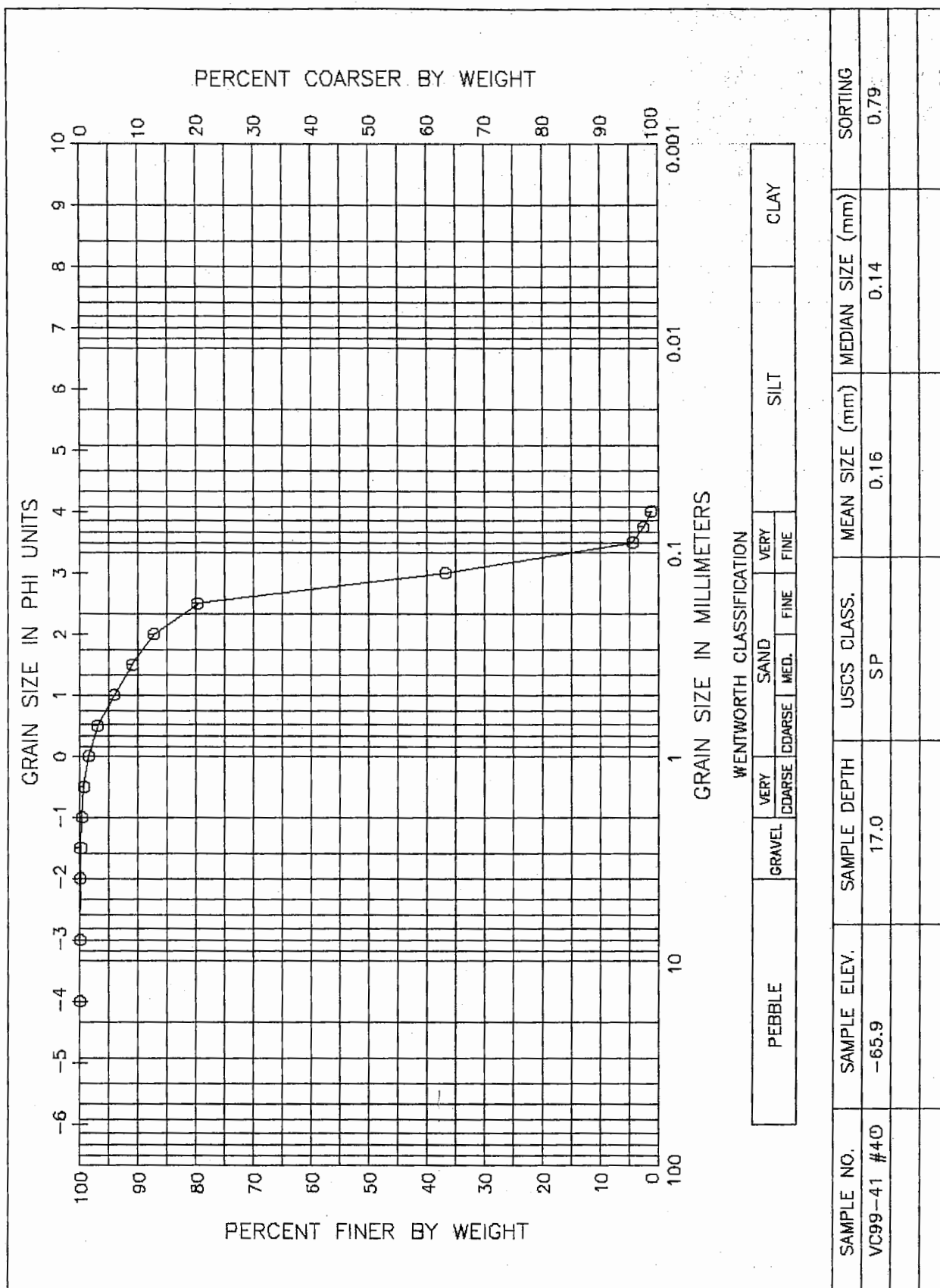




GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



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GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH