

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6-9-1999

SAMPLE NO.: VC99 28#1

SAMPLE ELEV. (FT. NGVD): -40.9

SAMPLE DEPTH (FT.): 2.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 221.77

SAMPLE WEIGHT AFTER WASH (GRAMS): 218.94

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	0.96	0.43	99.57
7	-1.50	2.800	1.15	0.52	99.48
10	-1.00	2.000	1.92	0.87	99.13
14	-0.50	1.400	2.57	1.16	98.84
18	0.00	1.000	3.24	1.46	98.54
25	0.50	0.710	4.44	2.00	98.00
35	1.00	0.500	6.51	2.94	97.06
45	1.50	0.355	9.57	4.32	95.68
60	2.00	0.250	18.90	8.52	91.48
80	2.50	0.180	41.83	18.86	81.14
120	3.00	0.125	139.42	62.87	37.13
170	3.50	0.090	216.80	97.76	2.24
200	3.75	0.075	218.58	98.56	1.44
230	4.00	0.063	220.24	99.31	0.69
PAN			221.76	100.00	0.00

PHI (5): 1.58

PHI (16): 2.36

PHI (25): 2.57

PHI (50): 2.85

PHI (75): 3.17

PHI (84): 3.30

PHI (95): 3.46

SIEVE LOSS (g): 0.01

SILT/CLAY: 1.44%

SKEWNESS: -0.707

KURTOSIS: 1.275

GRAPHIC METHOD

MEAN (PHI): 2.71

SORTING: 0.47

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.73

SORTING: 0.73

MEAN (mm): 0.15

DATA FILE NAME: vc99-28#1.tab

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6-9-1999

SAMPLE NO.: VC99 28#2

SAMPLE ELEV. (FT. NGVD): -41.7

SAMPLE DEPTH (FT.): 2.8

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 230.95

SAMPLE WEIGHT AFTER WASH (GRAMS): 228.60

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	0.35	0.15	99.85
5	-2.00	4.000	2.19	0.95	99.05
7	-1.50	2.800	3.96	1.71	98.29
10	-1.00	2.000	6.64	2.88	97.12
14	-0.50	1.400	12.03	5.21	94.79
18	0.00	1.000	19.85	8.59	91.41
25	0.50	0.710	31.31	13.56	86.44
35	1.00	0.500	51.25	22.19	77.81
45	1.50	0.355	71.68	31.04	68.96
60	2.00	0.250	92.85	40.20	59.80
80	2.50	0.180	119.90	51.92	48.08
120	3.00	0.125	187.52	81.20	18.80
170	3.50	0.090	227.35	98.44	1.56
200	3.75	0.075	228.27	98.84	1.16
230	4.00	0.063	229.67	99.45	0.55
PAN			230.93	99.99	0.01

PHI(5): -0.54

PHI(16): 0.64

PHI(25): 1.16

PHI(50): 2.42

PHI(75): 2.89

PHI(84): 3.08

PHI(95): 3.40

SIEVE LOSS(g): 0.02

SILT/CLAY: 1.16%

SKEWNESS: -0.812

KURTOSIS: 0.932

GRAPHIC METHOD

MEAN (PHI): 1.80

SORTING: 1.22

MEAN (mm): 0.29

MEDIAN (mm): 0.19

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.95

SORTING: 1.27

MEAN (mm): 0.26

DATA FILE NAME: VC99-28#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6-9-1999

SAMPLE NO.: VC99 28#3

SAMPLE ELEV. (FT. NGVD): -44.9

SAMPLE DEPTH (FT.): 6.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 248.61

SAMPLE WEIGHT AFTER WASH (GRAMS): 245.60

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	0.16	0.06	99.94
10	-1.00	2.000	0.35	0.14	99.86
14	-0.50	1.400	0.47	0.19	99.81
18	0.00	1.000	0.66	0.27	99.73
25	0.50	0.710	1.03	0.41	99.59
35	1.00	0.500	2.09	0.84	99.16
45	1.50	0.355	5.04	2.03	97.97
60	2.00	0.250	15.04	6.05	93.95
80	2.50	0.180	66.46	26.73	73.27
120	3.00	0.125	203.21	81.74	18.26
170	3.50	0.090	243.88	98.10	1.90
200	3.75	0.075	245.28	98.66	1.34
230	4.00	0.063	247.04	99.37	0.63
PAN			248.62	100.00	0.00

PHI(5): 1.87

PHI(16): 2.24

PHI(25): 2.46

PHI(50): 2.71

PHI(75): 2.94

PHI(84): 3.07

PHI(95): 3.41

SIEVE LOSS(g): -0.01

SILT/CLAY: 1.34%

SKEWNESS: -0.179

KURTOSIS: 1.310

GRAPHIC METHOD

MEAN (PHI): 2.66

SORTING: 0.41

MEAN (mm): 0.16

MEDIAN (mm): 0.15

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.66

SORTING: 0.48

MEAN (mm): 0.16

DATA FILE NAME: VC99-28#3.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 28#4
SAMPLE ELEV. (FT. NGVD): -48.9
SAMPLE DEPTH (FT.): 10.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 220.68
SAMPLE WEIGHT AFTER WASH (GRAMS): 212.33

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	0.05	99.95
14	-0.50	1.400	0.35	0.16	99.84
18	0.00	1.000	0.72	0.33	99.67
25	0.50	0.710	1.21	0.55	99.45
35	1.00	0.500	2.43	1.10	98.90
45	1.50	0.355	4.61	2.09	97.91
60	2.00	0.250	9.51	4.31	95.69
80	2.50	0.180	26.02	11.79	88.21
120	3.00	0.125	134.34	60.88	39.12
170	3.50	0.090	205.41	93.08	6.92
200	3.75	0.075	211.04	95.63	4.37
230	4.00	0.063	216.13	97.94	2.06
PAN			220.66	99.99	0.01

PHI(5): 2.05 PHI(16): 2.54 PHI(25): 2.63
PHI(50): 2.89 PHI(75): 3.22 PHI(84): 3.36
PHI(95): 3.69

SIEVE LOSS(g): 0.02 SILT/CLAY: 4.37%
SKEWNESS: -0.054 KURTOSIS: 1.151

GRAPHIC METHOD

MEAN (PHI): 2.91 SORTING: 0.41
MEAN (mm): 0.13 MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.86 SORTING: 0.51
MEAN (mm): 0.14

DATA FILE NAME: VC99-28#4.TAB

GRADATION ANALYSIS REPORT
TOWN OF PALM BEACH
TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 28#5
SAMPLE ELEV. (FT. NGVD): -51.4
SAMPLE DEPTH (FT.): 12.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 231.64
SAMPLE WEIGHT AFTER WASH (GRAMS): 228.25

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	0.14	0.06	99.94
10	-1.00	2.000	0.14	0.06	99.94
14	-0.50	1.400	0.35	0.15	99.85
18	0.00	1.000	2.08	0.90	99.10
25	0.50	0.710	3.43	1.48	98.52
35	1.00	0.500	5.62	2.43	97.57
45	1.50	0.355	10.31	4.45	95.55
60	2.00	0.250	28.76	12.42	87.58
80	2.50	0.180	86.92	37.52	62.48
120	3.00	0.125	181.75	78.46	21.54
170	3.50	0.090	226.63	97.84	2.16
200	3.75	0.075	227.94	98.40	1.60
230	4.00	0.063	229.86	99.23	0.77
PAN			231.64	100.00	0.00

PHI(5): 1.53 PHI(16): 2.07 PHI(25): 2.25
PHI(50): 2.65 PHI(75): 2.96 PHI(84): 3.14
PHI(95): 3.43

SIEVE LOSS(g): 0.00 SILT/CLAY: 1.60%
SKEWNESS: -0.321 KURTOSIS: 1.097

GRAPHIC METHOD

MEAN (PHI): 2.57 SORTING: 0.54
MEAN (mm): 0.17 MEDIAN (mm): 0.16
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.56 SORTING: 0.62
MEAN (mm): 0.17

DATA FILE NAME: VC99-28#5.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 28#6

SAMPLE ELEV. (FT. NGVD): -54.9

SAMPLE DEPTH (FT.): 16.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 238.84

SAMPLE WEIGHT AFTER WASH (GRAMS): 233.15

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	0.43	0.18	99.82
7	-1.50	2.800	0.83	0.35	99.65
10	-1.00	2.000	1.16	0.49	99.51
14	-0.50	1.400	1.38	0.58	99.42
18	0.00	1.000	1.58	0.66	99.34
25	0.50	0.710	1.97	0.82	99.18
35	1.00	0.500	2.65	1.11	98.89
45	1.50	0.355	3.80	1.59	98.41
60	2.00	0.250	8.51	3.56	96.44
80	2.50	0.180	22.76	9.53	90.47
120	3.00	0.125	89.60	37.51	62.49
170	3.50	0.090	228.22	95.55	4.45
200	3.75	0.075	231.70	97.01	2.99
230	4.00	0.063	235.17	98.46	1.54
PAN			238.82	99.99	0.01

PHI (5): 2.12

PHI (16): 2.62

PHI (25): 2.78

PHI (50): 3.11

PHI (75): 3.32

PHI (84): 3.40

PHI (95): 3.50

SIEVE LOSS (g): 0.02

SILT/CLAY: 2.99%

SKEWNESS: -0.764

KURTOSIS: 1.031

GRAPHIC METHOD

MEAN (PHI): 2.95

SORTING: 0.39

MEAN (mm): 0.13

MEDIAN (mm): 0.12

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

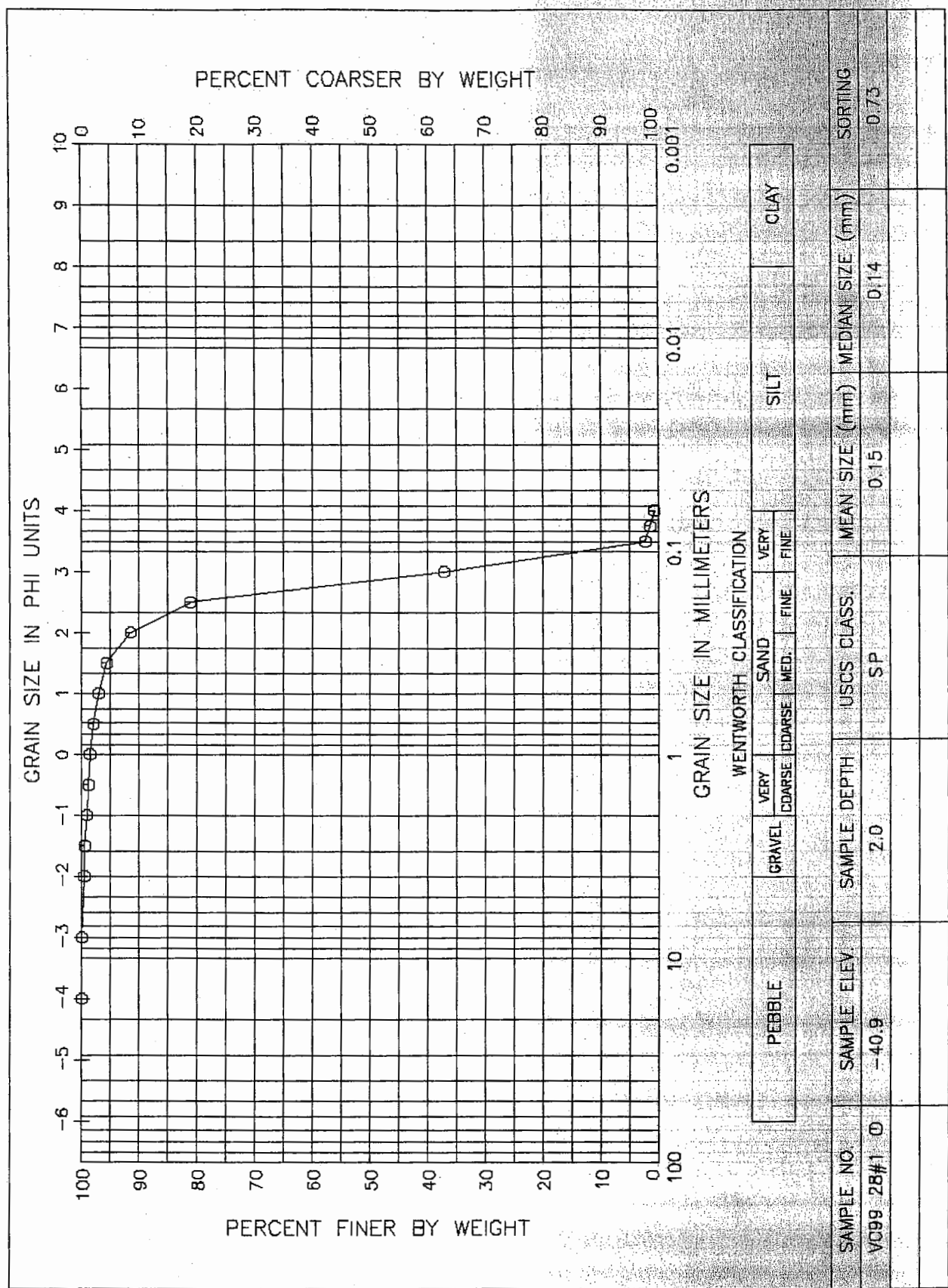
MOMENT METHOD

MEAN (PHI): 2.98

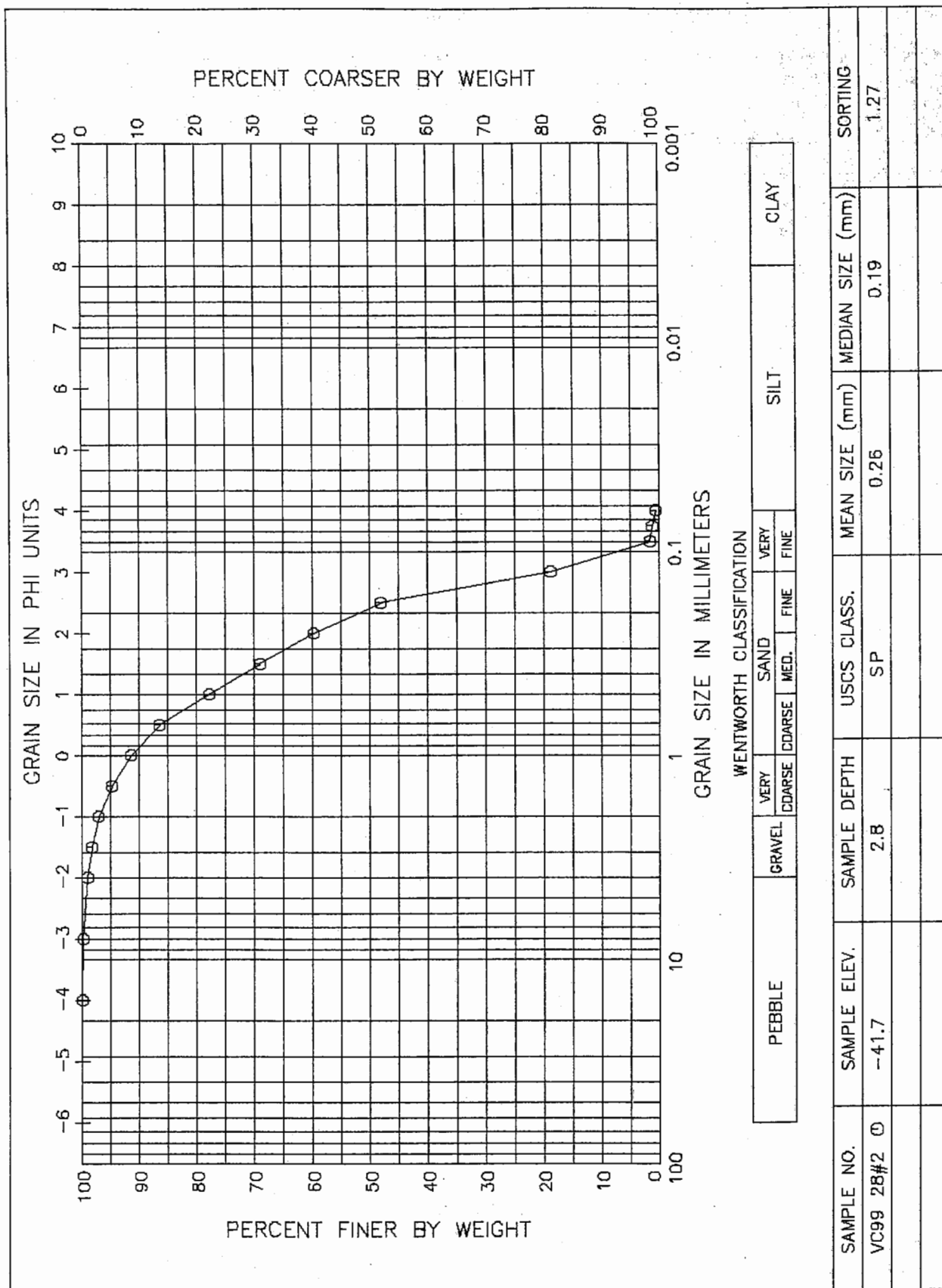
SORTING: 0.57

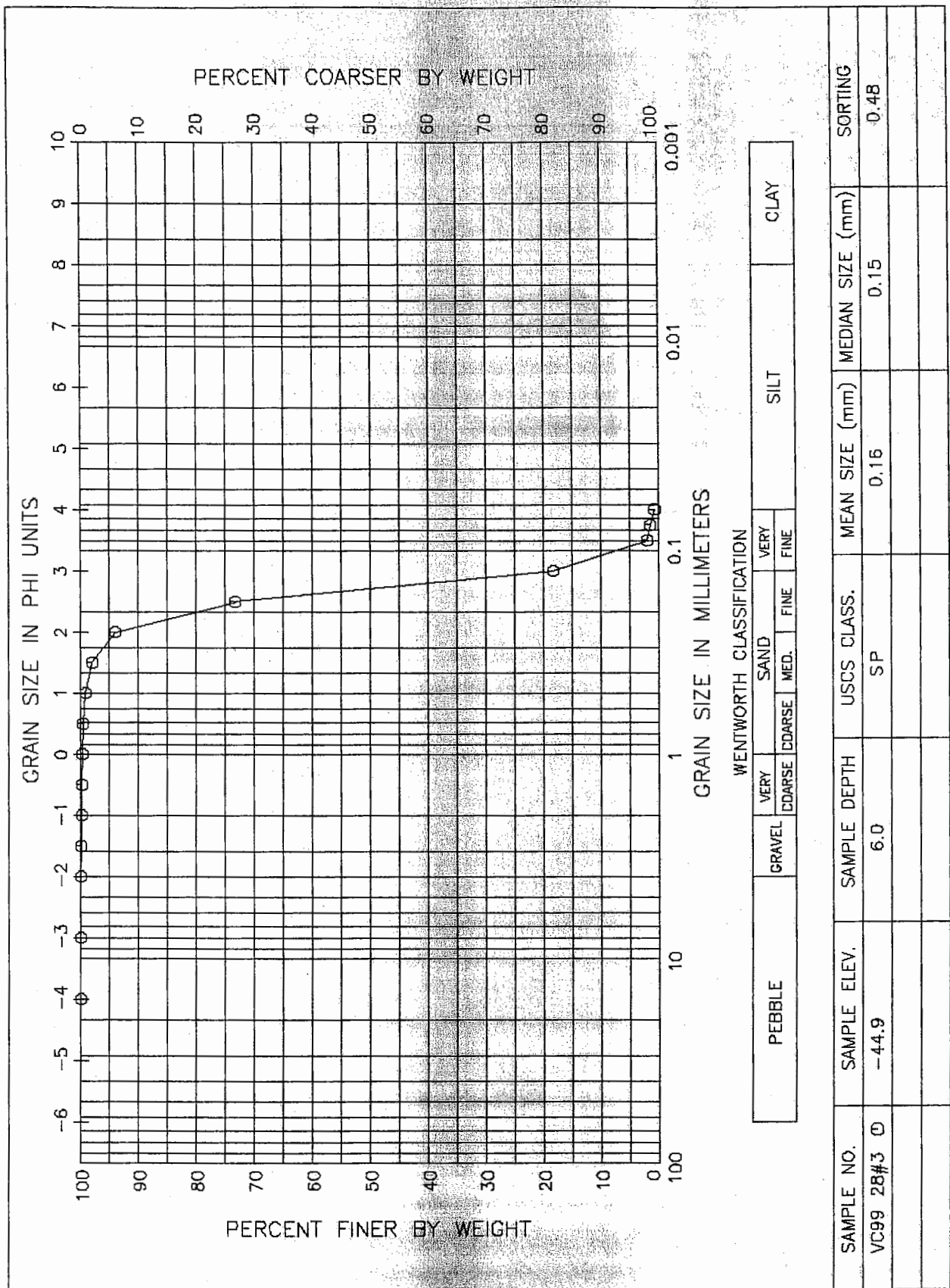
MEAN (mm): 0.13

DATA FILE NAME: VC99-28#6.TAB

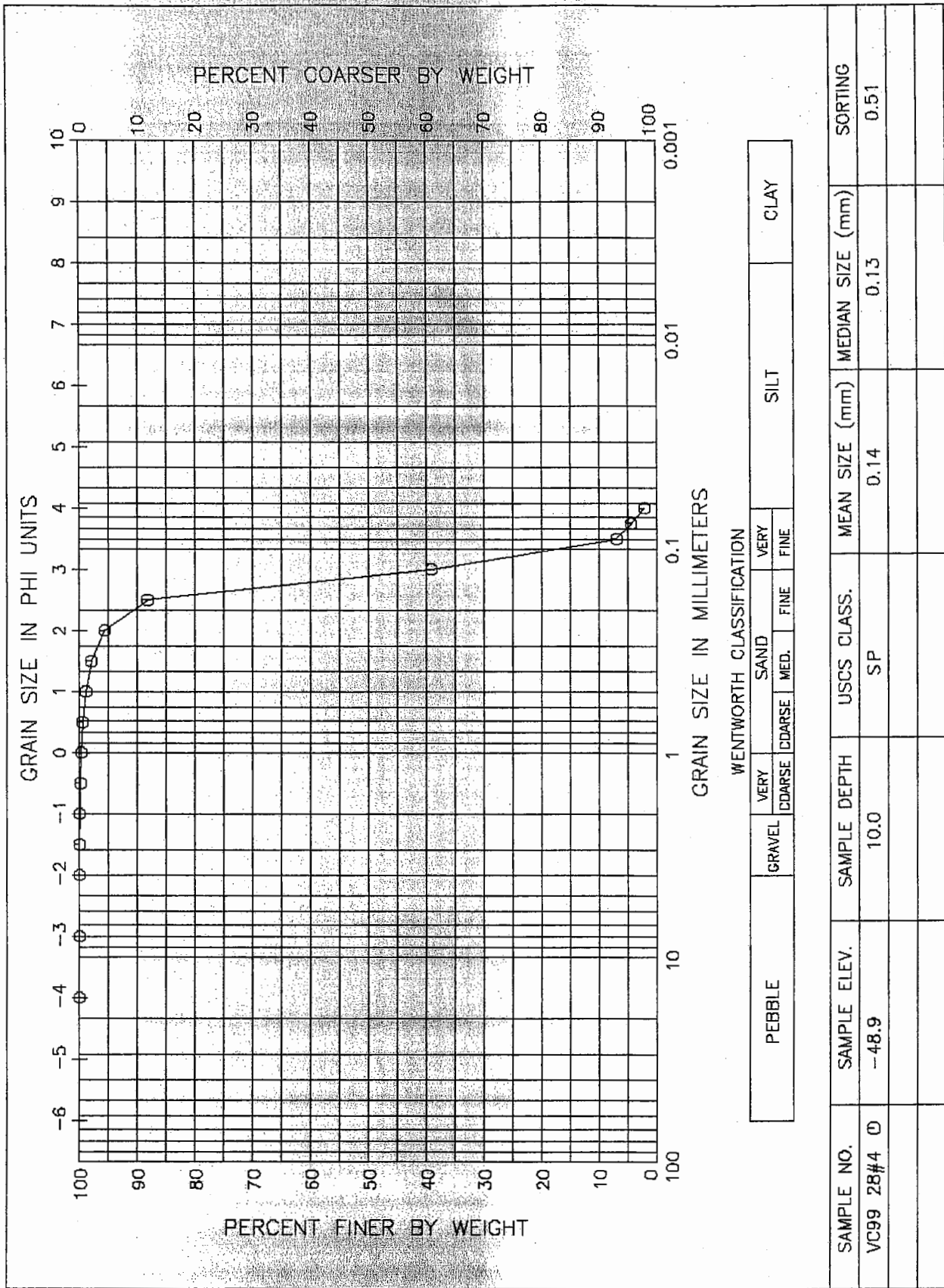


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

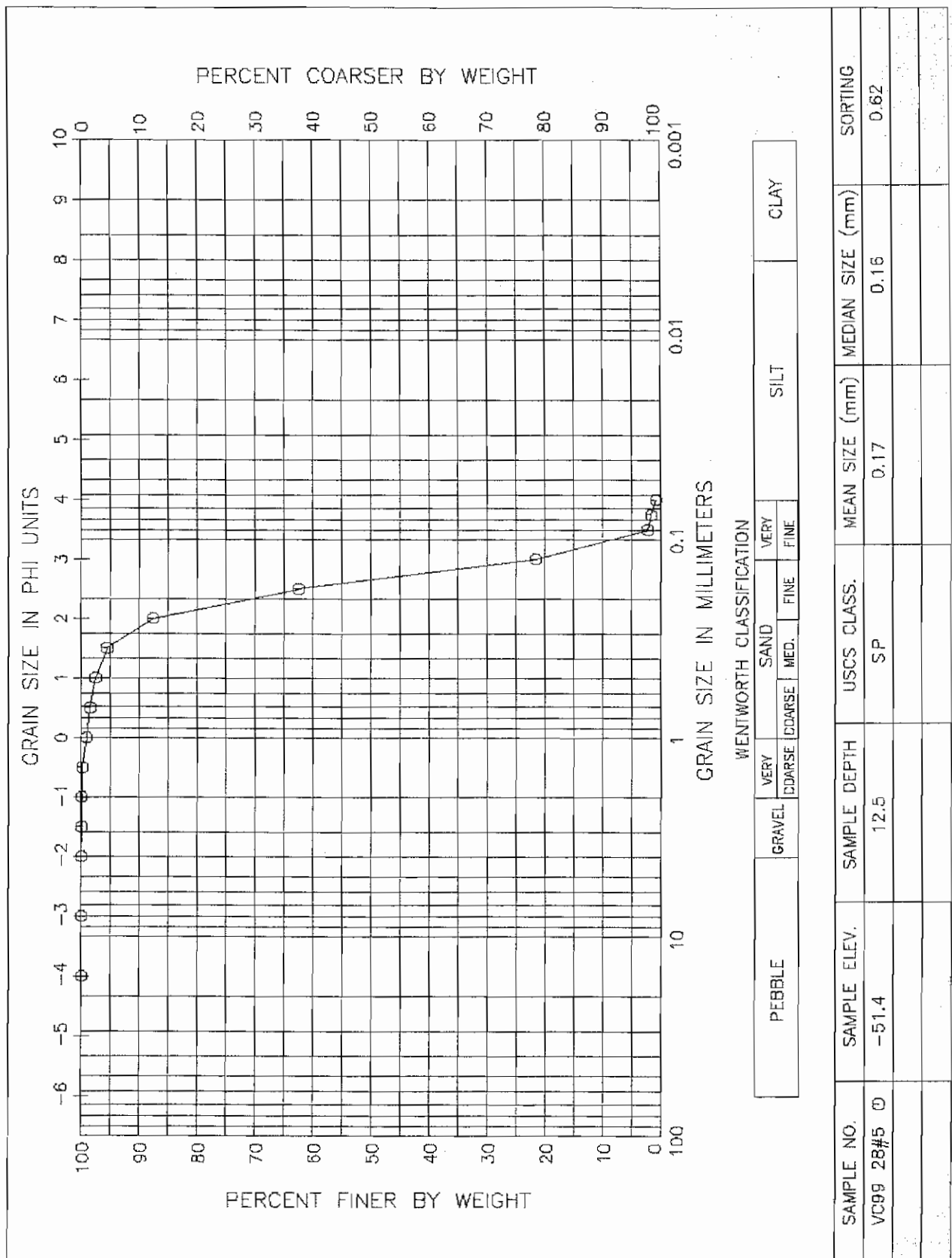


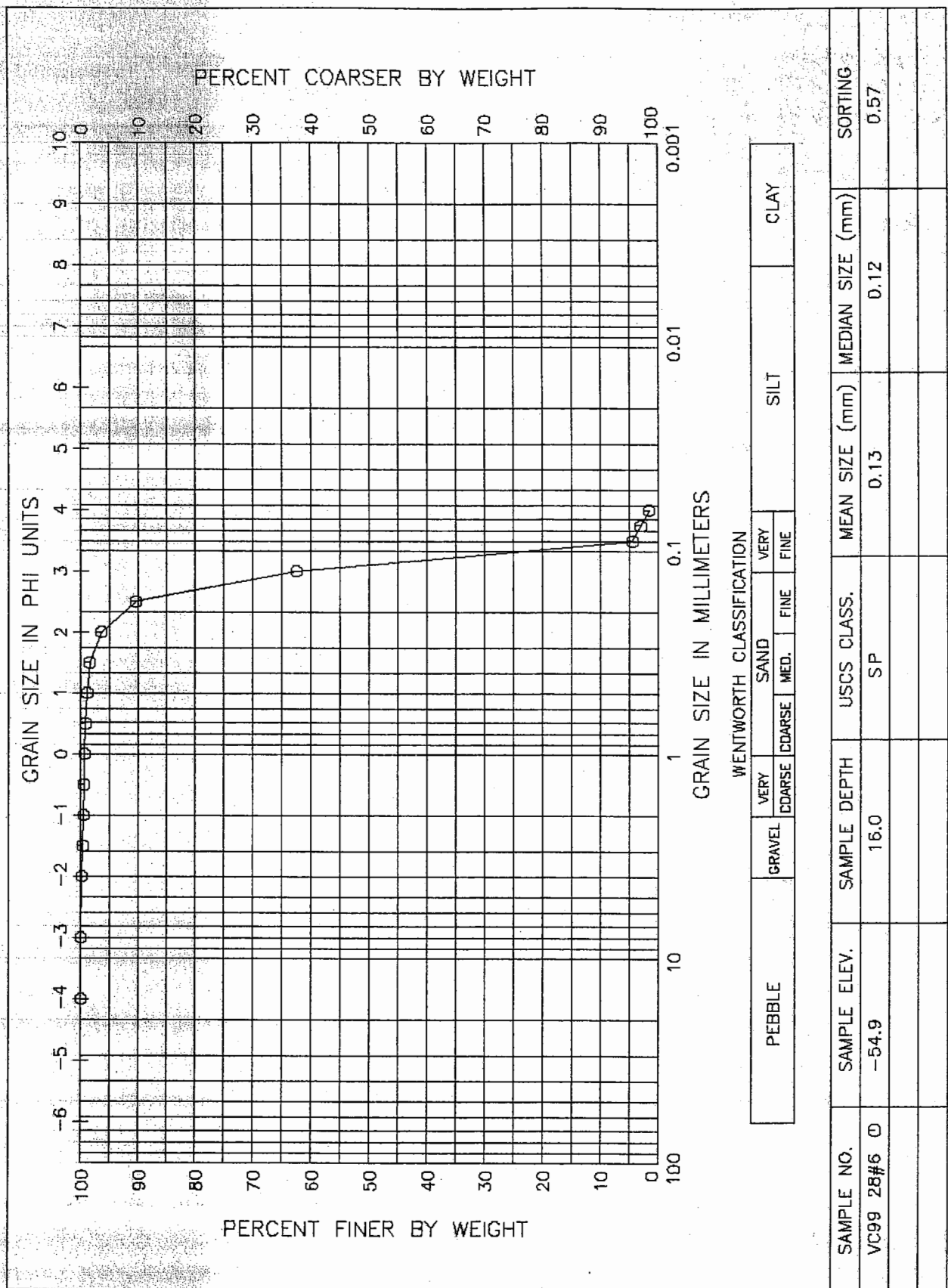


GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH





GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH