

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 74#1

SAMPLE ELEV. (FT. NGVD): -34.9

SAMPLE DEPTH (FT.): 3.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 179.39

SAMPLE WEIGHT AFTER WASH (GRAMS): 177.26

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	0.14	0.08	99.92
7	-1.50	2.800	0.23	0.13	99.87
10	-1.00	2.000	0.44	0.25	99.75
14	-0.50	1.400	0.68	0.38	99.62
18	0.00	1.000	1.01	0.56	99.44
25	0.50	0.710	1.90	1.06	98.94
35	1.00	0.500	3.38	1.88	98.12
45	1.50	0.355	4.99	2.78	97.22
60	2.00	0.250	8.37	4.67	95.33
80	2.50	0.180	19.56	10.90	89.10
120	3.00	0.125	96.91	54.02	45.98
170	3.50	0.090	175.44	97.80	2.20
200	3.75	0.075	176.92	98.62	1.38
230	4.00	0.063	178.21	99.35	0.65
PAN			179.39	100.00	0.00

PHI(5): 2.03	PHI(16): 2.56	PHI(25): 2.66
PHI(50): 2.95	PHI(75): 3.24	PHI(84): 3.34
PHI(95): 3.47		

SIEVE LOSS(g): 0.00	SILT/CLAY: 1.38%
SKEWNESS: -0.526	KURTOSIS: 1.025

## GRAPHIC METHOD

MEAN (PHI): 2.87	SORTING: 0.39
MEAN (mm): 0.14	MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD	

## MOMENT METHOD

MEAN (PHI): 2.87	SORTING: 0.56
MEAN (mm): 0.14	

DATA FILE NAME: VC99-74#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 74#2

SAMPLE ELEV. (FT. NGVD): -38.8

SAMPLE DEPTH (FT.): 6.9

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 235.06

SAMPLE WEIGHT AFTER WASH (GRAMS): 233.37

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	1.82	0.77	99.23
5	-2.00	4.000	5.21	2.22	97.78
7	-1.50	2.800	8.96	3.81	96.19
10	-1.00	2.000	16.45	7.00	93.00
14	-0.50	1.400	34.18	14.54	85.46
18	0.00	1.000	44.69	19.01	80.99
25	0.50	0.710	62.75	26.70	73.30
35	1.00	0.500	84.63	36.00	64.00
45	1.50	0.355	95.91	40.80	59.20
60	2.00	0.250	106.05	45.12	54.88
80	2.50	0.180	122.44	52.09	47.91
120	3.00	0.125	178.68	76.01	23.99
170	3.50	0.090	231.46	98.47	1.53
200	3.75	0.075	233.06	99.15	0.85
230	4.00	0.063	234.15	99.61	0.39
PAN			235.06	100.00	0.00

PHI(5): -1.31

PHI(16): -0.34

PHI(25): 0.39

PHI(50): 2.35

PHI(75): 2.98

PHI(84): 3.18

PHI(95): 3.42

SIEVE LOSS(g): 0.00

SILT/CLAY: 0.85%

SKEWNESS: -0.737

KURTOSIS: 0.750

## GRAPHIC METHOD

MEAN (PHI): 1.46

SORTING: 1.76

MEAN (mm): 0.36

MEDIAN (mm): 0.20

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.62

SORTING: 1.64

MEAN (mm): 0.33

DATA FILE NAME: VC99-74#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/10/99

SAMPLE NO.: VC99 74#3

SAMPLE ELEV. (FT. NGVD): -41.6

SAMPLE DEPTH (FT.): 9.7

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 221.95

SAMPLE WEIGHT AFTER WASH (GRAMS): 219.70

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	0.19	0.09	99.91
7	-1.50	2.800	0.75	0.34	99.66
10	-1.00	2.000	1.48	0.67	99.33
14	-0.50	1.400	2.82	1.27	98.73
18	0.00	1.000	4.37	1.97	98.03
25	0.50	0.710	6.58	2.96	97.04
35	1.00	0.500	11.56	5.21	94.79
45	1.50	0.355	19.70	8.88	91.12
60	2.00	0.250	43.14	19.44	80.56
80	2.50	0.180	92.51	41.68	58.32
120	3.00	0.125	180.92	81.51	18.49
170	3.50	0.090	218.40	98.40	1.60
200	3.75	0.075	219.41	98.86	1.14
230	4.00	0.063	220.77	99.47	0.53
PAN			221.94	100.00	0.00

PHI(5): 0.95

PHI(16): 1.84

PHI(25): 2.13

PHI(50): 2.60

PHI(75): 2.92

PHI(84): 3.07

PHI(95): 3.40

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.14%

SKEWNESS: -0.692

KURTOSIS: 1.264

## GRAPHIC METHOD

MEAN (PHI): 2.37

SORTING: 0.62

MEAN (mm): 0.19

MEDIAN (mm): 0.16

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.43

SORTING: 0.78

MEAN (mm): 0.19

DATA FILE NAME: VC99-74#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/10/99

SAMPLE NO.: VC99 74#4

SAMPLE ELEV. (FT. NGVD): -44.1

SAMPLE DEPTH (FT.): 12.2

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 220.07

SAMPLE WEIGHT AFTER WASH (GRAMS): 217.27

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	1.24	0.56	99.44
7	-1.50	2.800	2.37	1.08	98.92
10	-1.00	2.000	4.43	2.01	97.99
14	-0.50	1.400	8.24	3.74	96.26
18	0.00	1.000	13.68	6.22	93.78
25	0.50	0.710	26.33	11.96	88.04
35	1.00	0.500	45.03	20.46	79.54
45	1.50	0.355	61.45	27.92	72.08
60	2.00	0.250	87.95	39.96	60.04
80	2.50	0.180	126.14	57.32	42.68
120	3.00	0.125	189.65	86.18	13.82
170	3.50	0.090	216.27	98.27	1.73
200	3.75	0.075	216.94	98.58	1.42
230	4.00	0.063	218.58	99.32	0.68
PAN			220.07	100.00	0.00

PHI (5): -0.25

PHI (16): 0.74

PHI (25): 1.30

PHI (50): 2.29

PHI (75): 2.81

PHI (84): 2.96

PHI (95): 3.36

SIEVE LOSS (g): 0.00

SILT/CLAY: 1.42%

SKEWNESS: -0.656

KURTOSIS: 0.985

## GRAPHIC METHOD

MEAN (PHI): 1.82

SORTING: 1.11

MEAN (mm): 0.28

MEDIAN (mm): 0.20

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 1.96

SORTING: 1.14

MEAN (mm): 0.26

DATA FILE NAME: VC99-74#4.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/10/99

SAMPLE NO.: VC99 74#5

SAMPLE ELEV. (FT. NGVD): -47.9

SAMPLE DEPTH (FT.): 16.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 168.79

SAMPLE WEIGHT AFTER WASH (GRAMS): 165.56

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	0.10	0.06	99.94
7	-1.50	2.800	0.15	0.09	99.91
10	-1.00	2.000	0.34	0.20	99.80
14	-0.50	1.400	0.56	0.33	99.67
18	0.00	1.000	0.93	0.55	99.45
25	0.50	0.710	1.50	0.89	99.11
35	1.00	0.500	2.83	1.68	98.32
45	1.50	0.355	5.15	3.05	96.95
60	2.00	0.250	11.98	7.10	92.90
80	2.50	0.180	33.31	19.73	80.27
120	3.00	0.125	116.34	68.93	31.07
170	3.50	0.090	164.41	97.41	2.59
200	3.75	0.075	165.16	97.85	2.15
230	4.00	0.063	167.04	98.97	1.03
PAN			168.79	100.00	0.00

PHI (5): 1.74

PHI (16): 2.35

PHI (25): 2.55

PHI (50): 2.81

PHI (75): 3.11

PHI (84): 3.26

PHI (95): 3.46

SIEVE LOSS (g): 0.00

SILT/CLAY: 2.15%

SKEWNESS: -0.457

KURTOSIS: 1.272

## GRAPHIC METHOD

MEAN (PHI): 2.72

SORTING: 0.46

MEAN (mm): 0.15

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

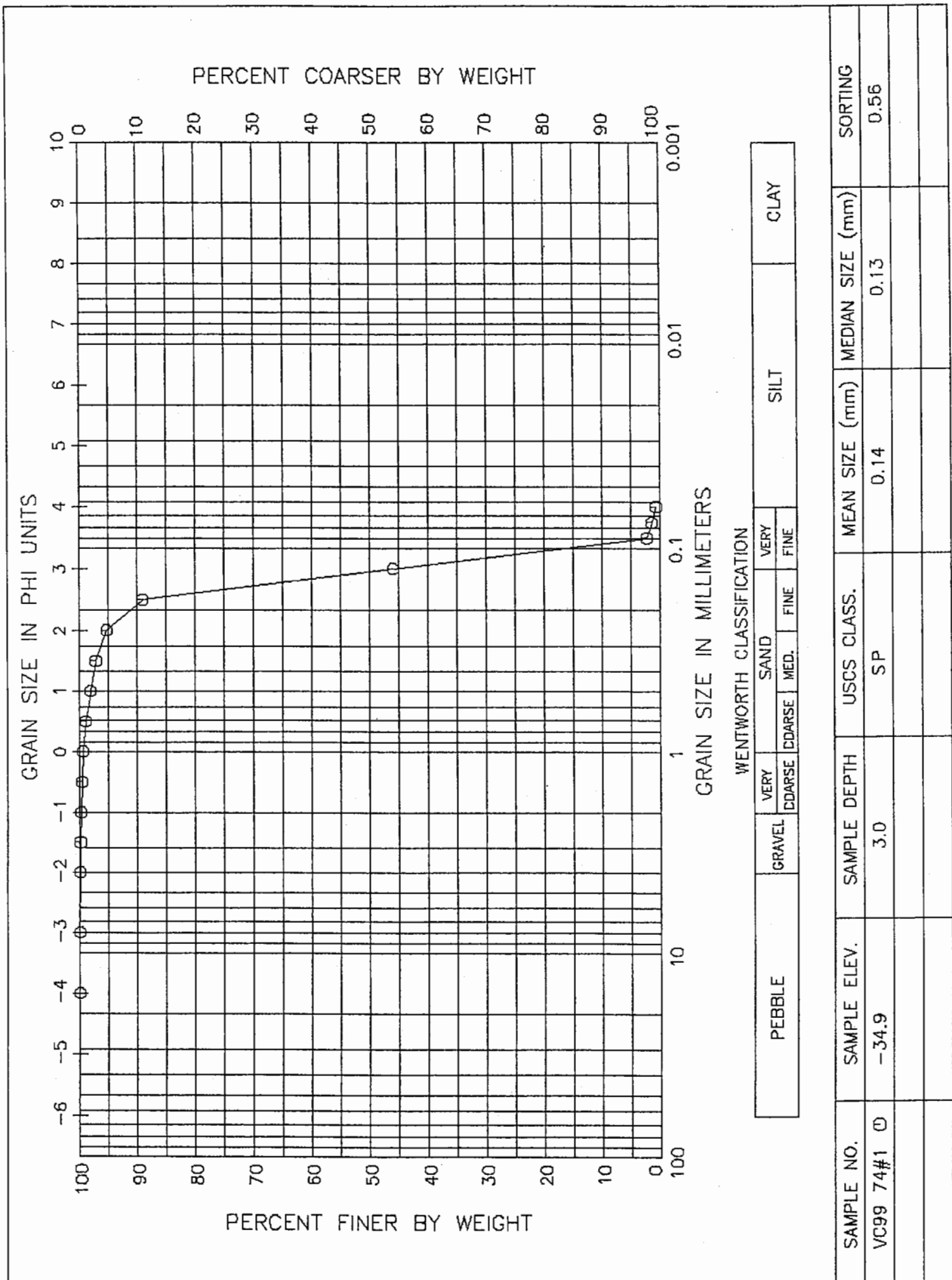
## MOMENT METHOD

MEAN (PHI): 2.74

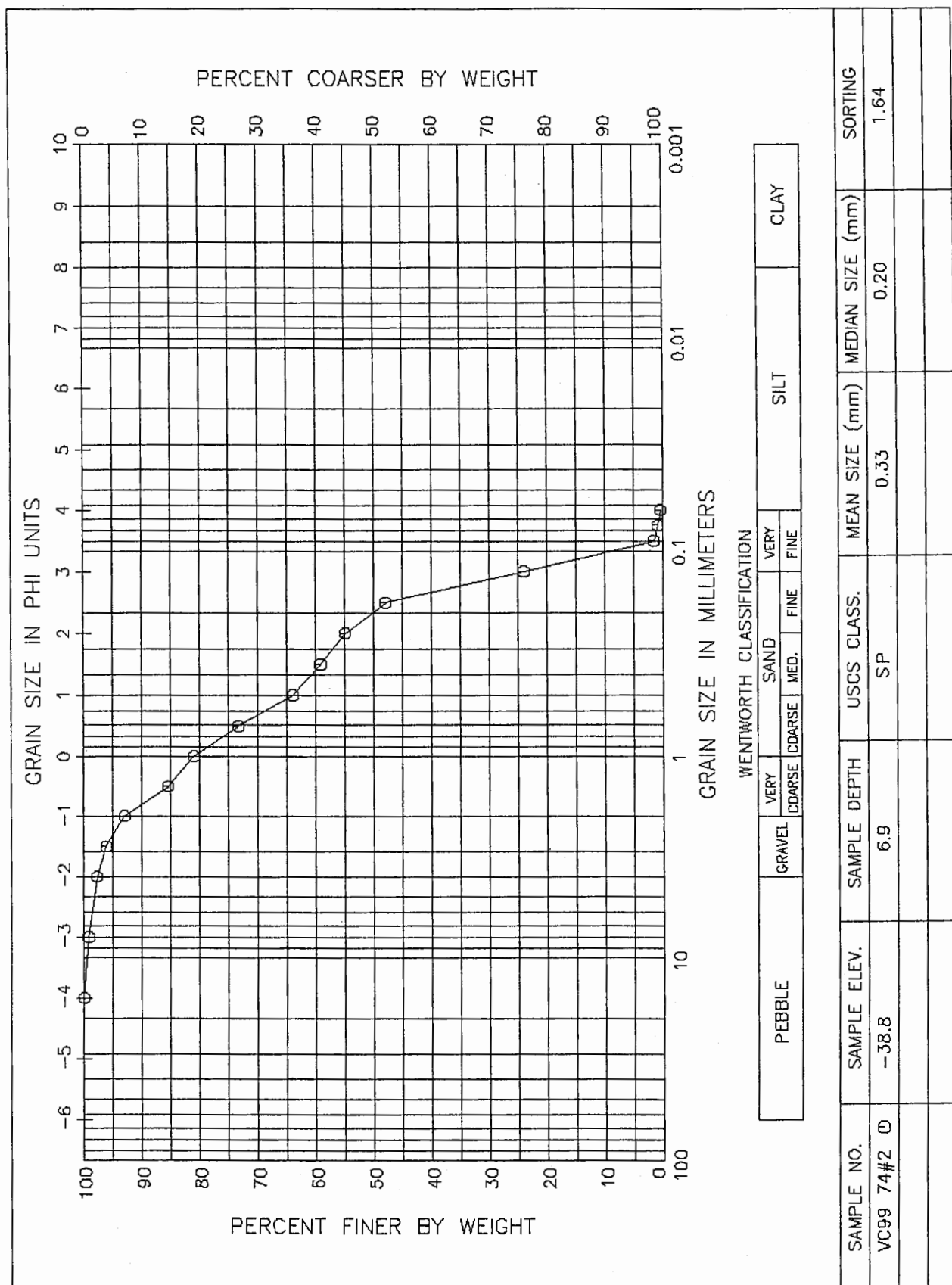
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MEAN (mm): 0.15

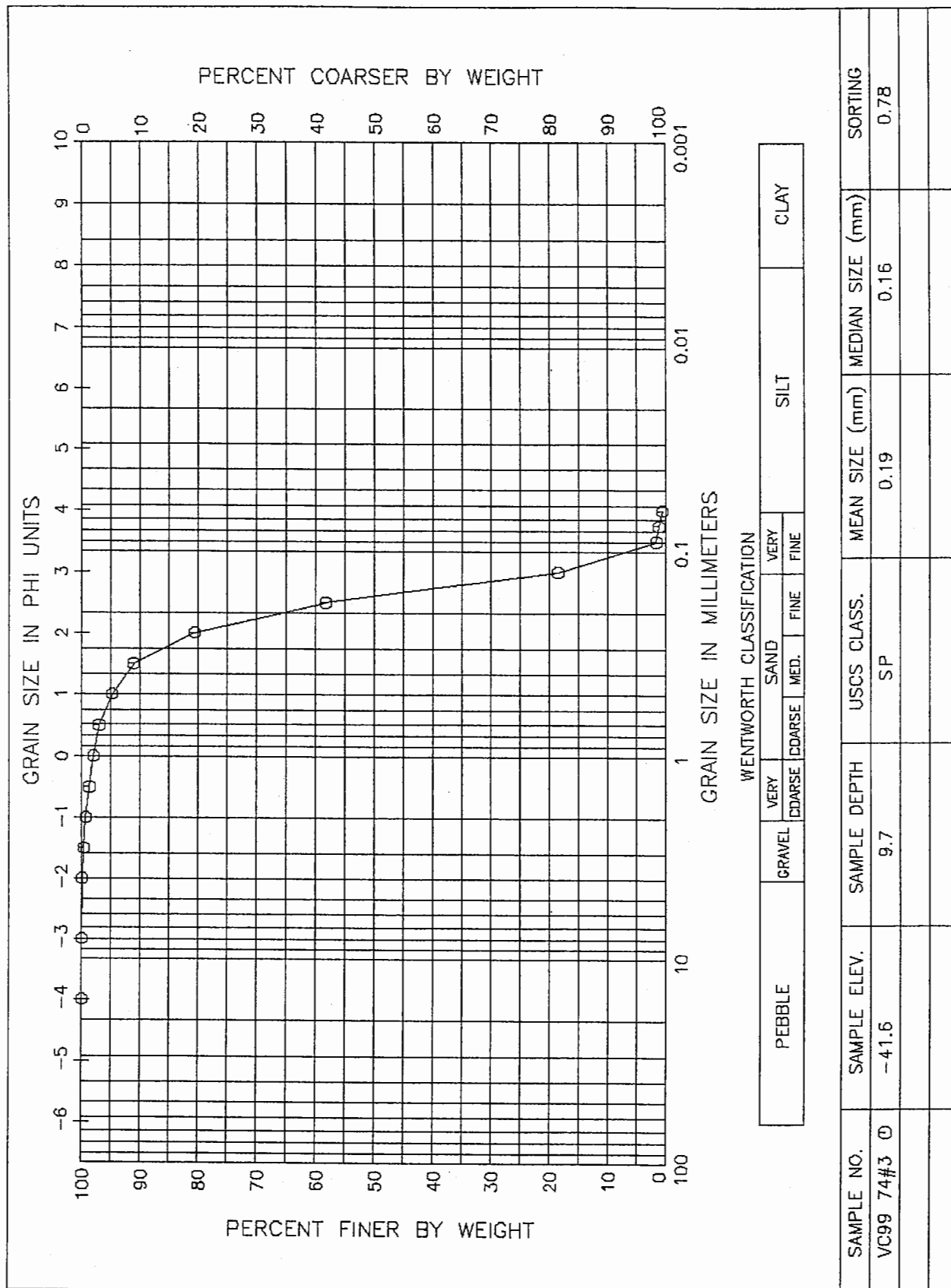
DATA FILE NAME: VC99-74#5.TAB



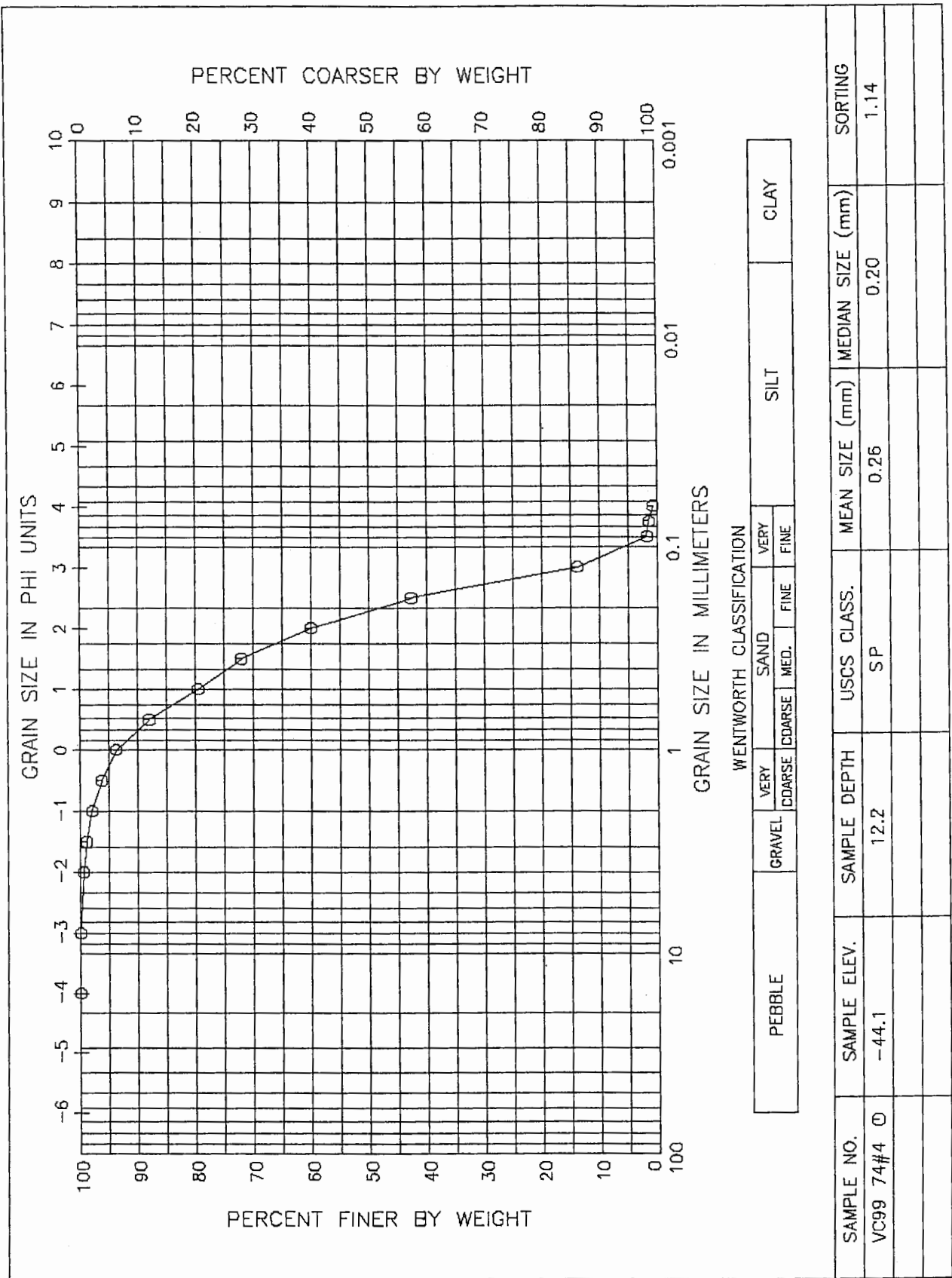
GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

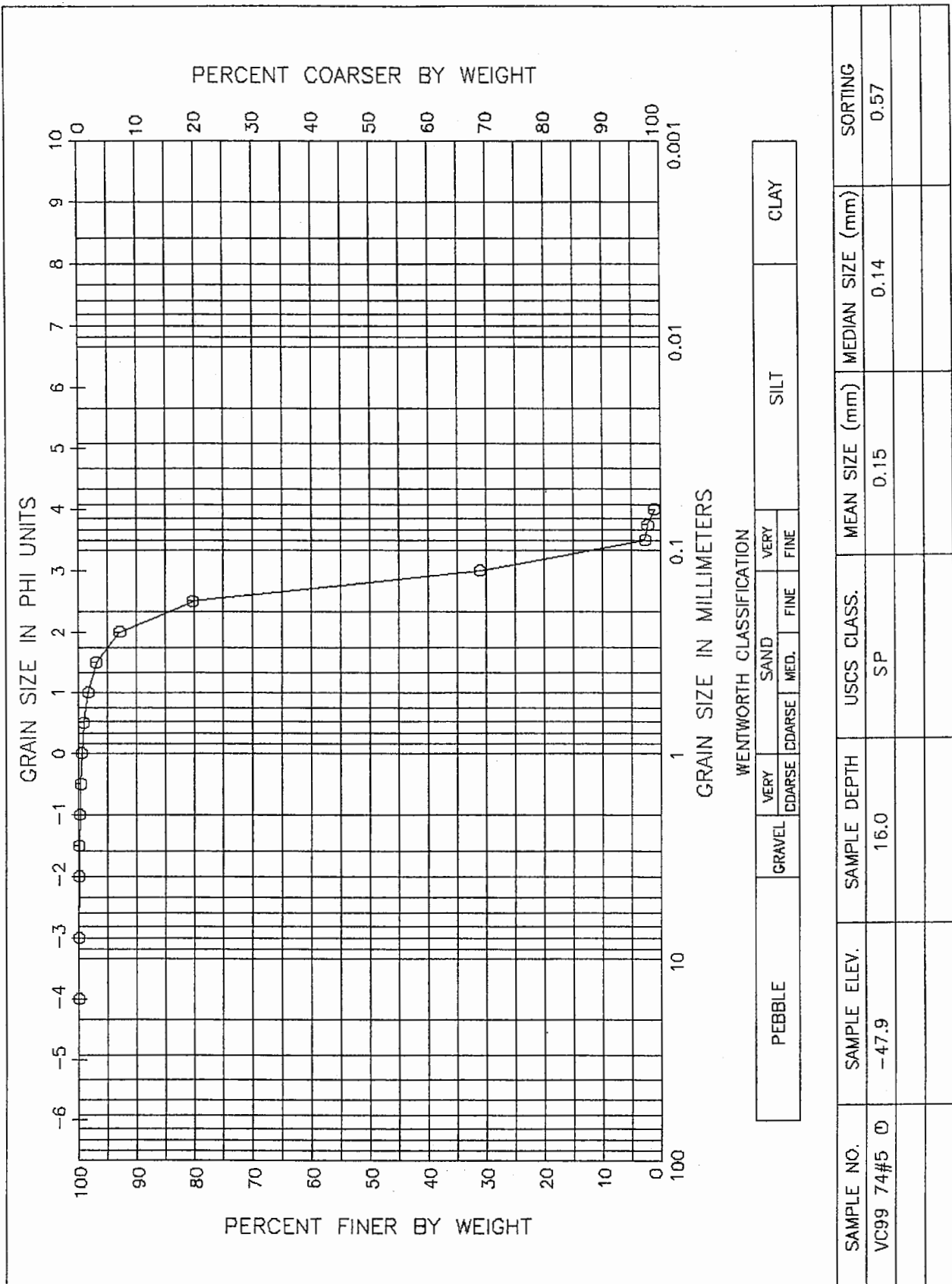


GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH









GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH