

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 64#1  
SAMPLE ELEV. (FT. NGVD): -34.2  
SAMPLE DEPTH (FT.): 2.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 178.67  
SAMPLE WEIGHT AFTER WASH (GRAMS): 177.17

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	0.02	0.01	99.99
7	-1.50	2.800	0.08	0.04	99.96
10	-1.00	2.000	0.15	0.08	99.92
14	-0.50	1.400	0.35	0.20	99.80
18	0.00	1.000	0.75	0.42	99.58
25	0.50	0.710	1.40	0.78	99.22
35	1.00	0.500	2.41	1.35	98.65
45	1.50	0.355	3.79	2.12	97.88
60	2.00	0.250	7.28	4.07	95.93
80	2.50	0.180	20.98	11.74	88.26
120	3.00	0.125	98.56	55.16	44.84
170	3.50	0.090	175.60	98.28	1.72
200	3.75	0.075	177.01	99.07	0.93
230	4.00	0.063	177.91	99.57	0.43
PAN			178.67	100.00	0.00

PHI(5): 2.06 PHI(16): 2.55 PHI(25): 2.65  
PHI(50): 2.94 PHI(75): 3.23 PHI(84): 3.33  
PHI(95): 3.46

SIEVE LOSS(g): 0.00 SILT/CLAY: 0.93%  
SKEWNESS: -0.457 KURTOSIS: 0.995

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: 0.51  
MEAN (mm): 0.14

DATA FILE NAME: VC99-64#1.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW      ON: 7-19-99

SAMPLE NO.: VC99 64#2  
SAMPLE ELEV. (FT. NGVD): -36.5  
SAMPLE DEPTH (FT.): 4.3  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 242.02  
SAMPLE WEIGHT AFTER WASH (GRAMS): 241.26

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	0.38	0.16	99.84
5	-2.00	4.000	6.38	2.64	97.36
7	-1.50	2.800	12.92	5.34	94.66
10	-1.00	2.000	25.08	10.36	89.64
14	-0.50	1.400	50.28	20.78	79.22
18	0.00	1.000	77.61	32.07	67.93
25	0.50	0.710	114.48	47.30	52.70
35	1.00	0.500	158.10	65.33	34.67
45	1.50	0.355	182.29	75.32	24.68
60	2.00	0.250	197.32	81.53	18.47
80	2.50	0.180	211.57	87.42	12.58
120	3.00	0.125	230.99	95.44	4.56
170	3.50	0.090	240.89	99.53	0.47
200	3.75	0.075	241.16	99.64	0.36
230	4.00	0.063	241.59	99.82	0.18
PAN			242.00	99.99	0.01

PHI (5): -1.56      PHI (16): -0.73      PHI (25): -0.31  
PHI (50): 0.57      PHI (75): 1.48      PHI (84): 2.21  
PHI (95): 2.97

SIEVE LOSS (g): 0.02      SILT/CLAY: 0.36%  
SKEWNESS: 0.089      KURTOSIS: 1.034

GRAPHIC METHOD

MEAN (PHI): 0.69      SORTING: 1.47  
MEAN (mm): 0.62      MEDIAN (mm): 0.67  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 0.62      SORTING: 1.36  
MEAN (mm): 0.65

DATA FILE NAME: VC99-64#2.TAB

GRADATION ANALYSIS REPORT  
TOWN OF PALM BEACH  
TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 64#3  
SAMPLE ELEV. (FT. NGVD): -41.2  
SAMPLE DEPTH (FT.): 9.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 166.04  
SAMPLE WEIGHT AFTER WASH (GRAMS): 164.61

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	0.46	0.28	99.72
5	-2.00	4.000	0.95	0.57	99.43
7	-1.50	2.800	1.71	1.03	98.97
10	-1.00	2.000	2.41	1.45	98.55
14	-0.50	1.400	3.43	2.07	97.93
18	0.00	1.000	4.60	2.77	97.23
25	0.50	0.710	6.45	3.88	96.12
35	1.00	0.500	8.77	5.28	94.72
45	1.50	0.355	11.52	6.94	93.06
60	2.00	0.250	17.56	10.58	89.42
80	2.50	0.180	40.14	24.17	75.83
120	3.00	0.125	110.83	66.75	33.25
170	3.50	0.090	162.29	97.74	2.26
200	3.75	0.075	164.39	99.01	0.99
230	4.00	0.063	165.26	99.53	0.47
PAN			166.03	99.99	0.01

PHI(5): 0.90 PHI(16): 2.20 PHI(25): 2.51  
PHI(50): 2.80 PHI(75): 3.13 PHI(84): 3.28  
PHI(95): 3.46

SIEVE LOSS(g): 0.01 SILT/CLAY: 0.99%  
SKEWNESS: -1.160 KURTOSIS: 1.681

GRAPHIC METHOD

MEAN (PHI): 2.53 SORTING: 0.54  
MEAN (mm): 0.17 MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.62 SORTING: 0.90  
MEAN (mm): 0.16

DATA FILE NAME: VC99-64#3.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-19-99

SAMPLE NO.: VC99 64#4  
SAMPLE ELEV. (FT. NGVD): -48.2  
SAMPLE DEPTH (FT.): 16.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 186.64  
SAMPLE WEIGHT AFTER WASH (GRAMS): 184.39

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	0.13	0.07	99.93
7	-1.50	2.800	0.25	0.13	99.87
10	-1.00	2.000	0.48	0.26	99.74
14	-0.50	1.400	0.86	0.46	99.54
18	0.00	1.000	1.38	0.74	99.26
25	0.50	0.710	3.07	1.64	98.36
35	1.00	0.500	5.18	2.78	97.22
45	1.50	0.355	11.63	6.23	93.77
60	2.00	0.250	37.81	20.26	79.74
80	2.50	0.180	134.06	71.83	28.17
120	3.00	0.125	182.28	97.66	2.34
170	3.50	0.090	183.83	98.49	1.51
200	3.75	0.075	184.14	98.66	1.34
230	4.00	0.063	185.48	99.38	0.62
PAN			186.62	99.99	0.01

PHI(5): 1.32 PHI(16): 1.85 PHI(25): 2.05  
PHI(50): 2.29 PHI(75): 2.56 PHI(84): 2.74  
PHI(95): 2.95

SIEVE LOSS(g): 0.02 SILT/CLAY: 1.34%  
SKEWNESS: -0.345 KURTOSIS: 1.293

## GRAPHIC METHOD

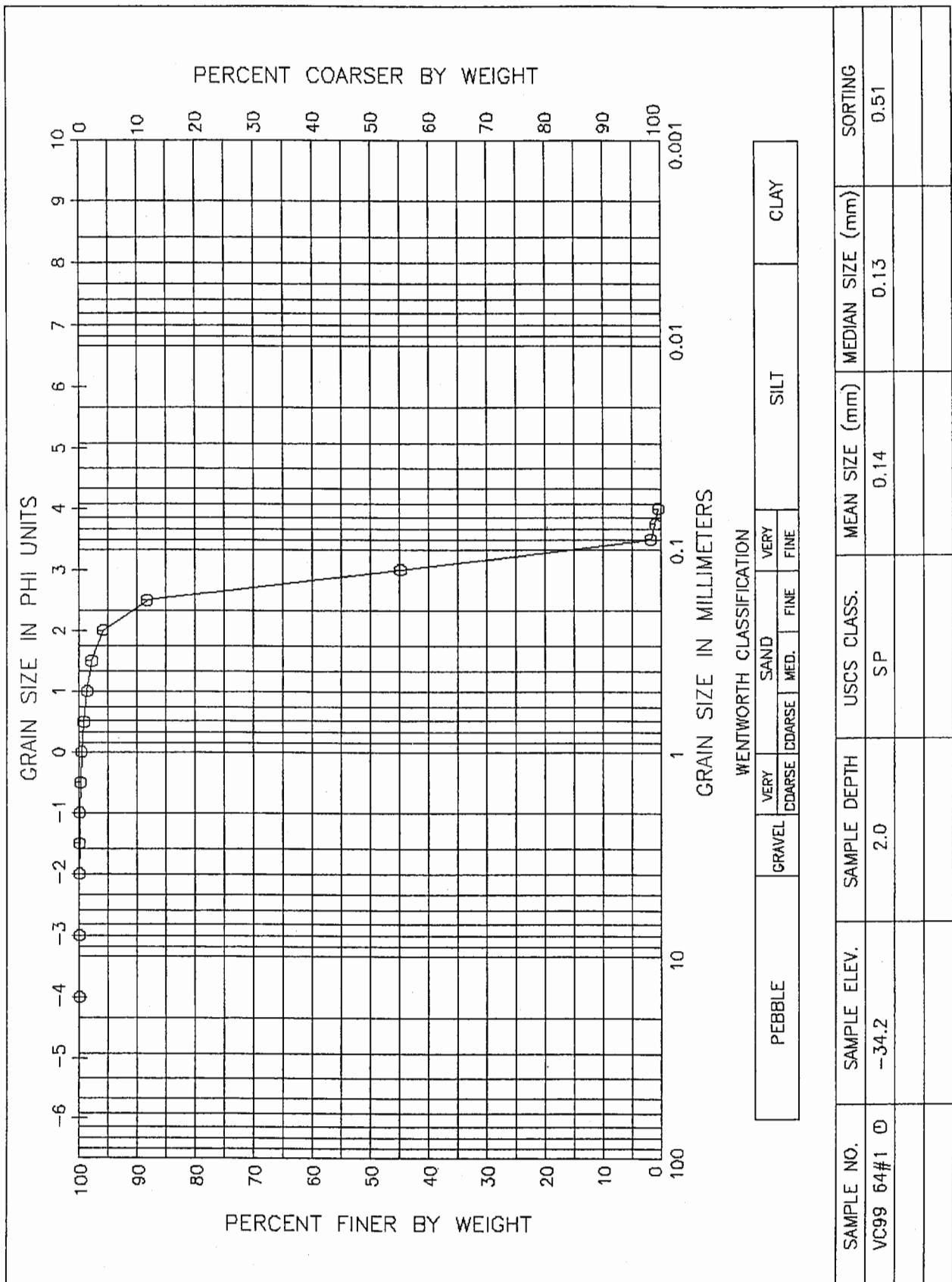
MEAN (PHI): 2.23 SORTING: 0.44  
MEAN (mm): 0.21 MEDIAN (mm): 0.20

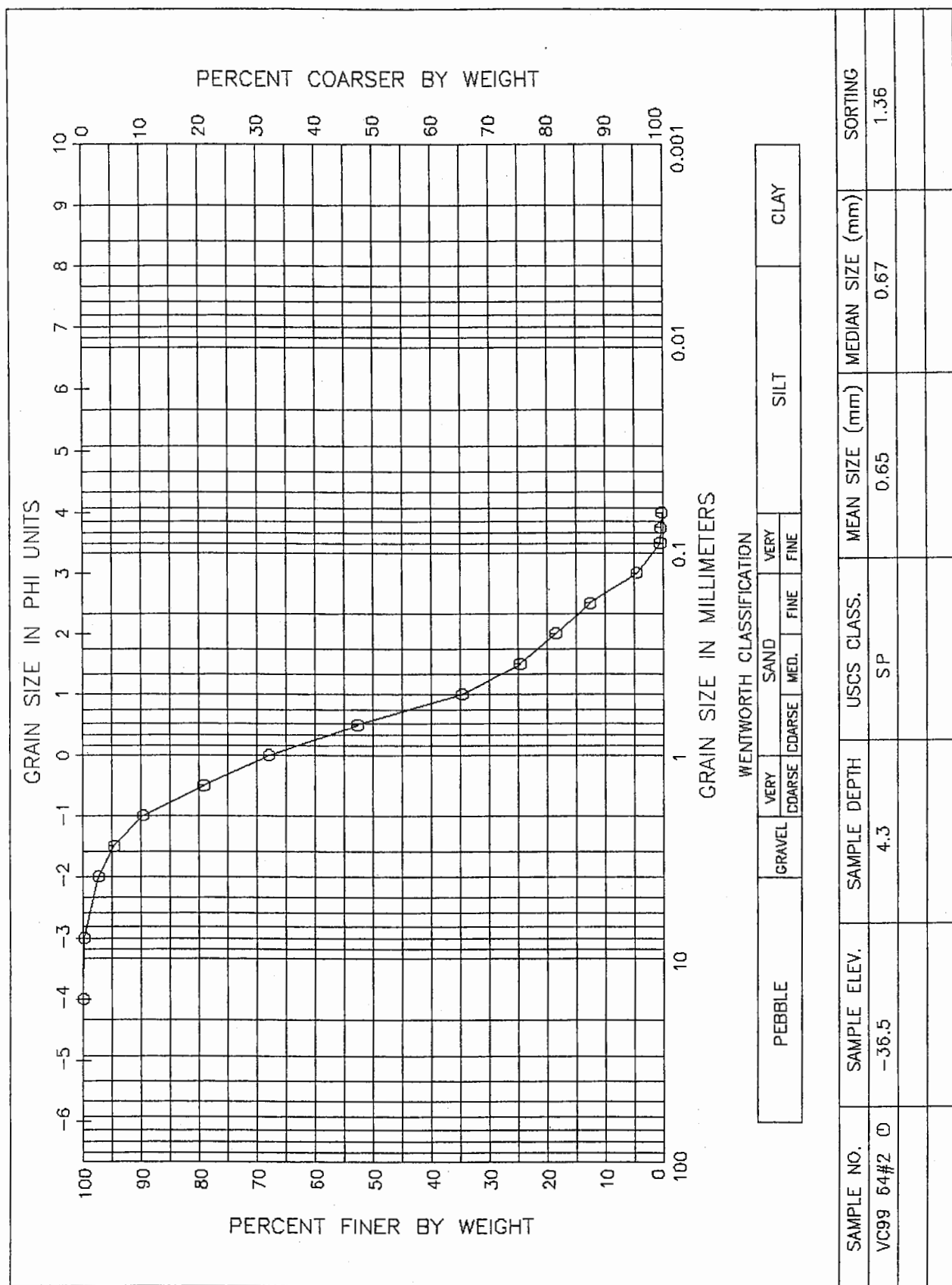
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

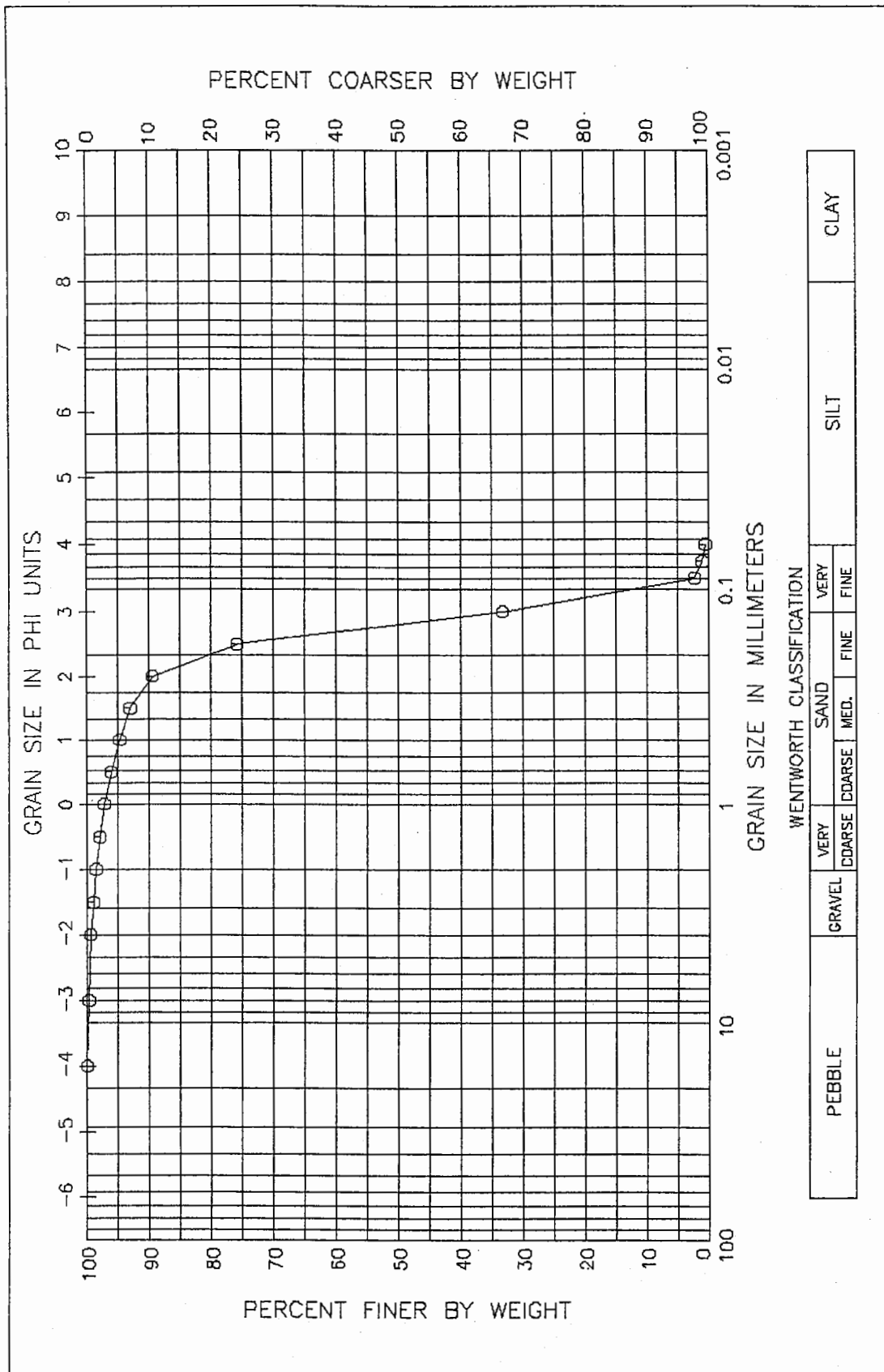
MEAN (PHI): 2.24 SORTING: 0.55  
MEAN (mm): 0.21

DATA FILE NAME: VC99-64#4.TAB





GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 54#3 0	-41.2	9.0	SP	0.16	0.14	0.90

GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH

