

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

-----  
SAMPLE NO.: VC99 59#1

SAMPLE ELEV. (FT. NGVD): -51.1

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE  
-----USCS DESCRIPTION: SP  
-----

DRY SAMPLE WEIGHT (GRAMS): 225.59

SAMPLE WEIGHT AFTER WASH (GRAMS): 222.24  
-----

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	0.28	0.12	99.88
7	-1.50	2.800	0.65	0.29	99.71
10	-1.00	2.000	1.14	0.51	99.49
14	-0.50	1.400	1.80	0.80	99.20
18	0.00	1.000	2.57	1.14	98.86
25	0.50	0.710	3.21	1.42	98.58
35	1.00	0.500	3.93	1.74	98.26
45	1.50	0.355	4.72	2.09	97.91
60	2.00	0.250	6.15	2.73	97.27
80	2.50	0.180	13.96	6.19	93.81
120	3.00	0.125	134.46	59.60	40.40
170	3.50	0.090	218.61	96.91	3.09
200	3.75	0.075	221.56	98.21	1.79
230	4.00	0.063	223.70	99.16	0.84
PAN			225.60	100.00	0.00

  
-----

PHI(5): 2.33

PHI(16): 2.59

PHI(25): 2.68

PHI(50): 2.91

PHI(75): 3.21

PHI(84): 3.33

PHI(95): 3.47  
-----

SIEVE LOSS(g): -0.01

SILT/CLAY: 1.79%

SKEWNESS: -0.024

KURTOSIS: 0.886  
-----

## GRAPHIC METHOD

MEAN (PHI): 2.93

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD  
-----

## MOMENT METHOD

MEAN (PHI): 2.87

SORTING: 0.57

MEAN (mm): 0.14  
-----

DATA FILE NAME: VC99-59#1.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/17/99

SAMPLE NO.: VC99 59#2  
SAMPLE ELEV. (FT. NGVD): -56.2  
SAMPLE DEPTH (FT.): 9.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 215.52  
SAMPLE WEIGHT AFTER WASH (GRAMS): 211.58

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	0.61	0.28	99.72
7	-1.50	2.800	1.21	0.56	99.44
10	-1.00	2.000	2.64	1.22	98.78
14	-0.50	1.400	4.00	1.86	98.14
18	0.00	1.000	4.95	2.30	97.70
25	0.50	0.710	5.64	2.62	97.38
35	1.00	0.500	6.33	2.94	97.06
45	1.50	0.355	7.11	3.30	96.70
60	2.00	0.250	8.52	3.95	96.05
80	2.50	0.180	14.83	6.88	93.12
120	3.00	0.125	101.47	47.08	52.92
170	3.50	0.090	202.78	94.09	5.91
200	3.75	0.075	210.15	97.51	2.49
230	4.00	0.063	213.17	98.91	1.09
PAN			215.52	100.00	0.00

PHI(5): 2.18      PHI(16): 2.61      PHI(25): 2.73  
PHI(50): 3.03      PHI(75): 3.30      PHI(84): 3.39  
PHI(95): 3.57

SIEVE LOSS(g): 0.00      SILT/CLAY: 2.49%  
SKEWNESS: -0.406      KURTOSIS: 0.995

## GRAPHIC METHOD

MEAN (PHI): 2.96      SORTING: 0.39  
MEAN (mm): 0.13      MEDIAN (mm): 0.12  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

## MOMENT METHOD

MEAN (PHI): 2.90      SORTING: 0.75  
MEAN (mm): 0.13

DATA FILE NAME: VC99-59#2.TAB

## GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/17/99

SAMPLE NO.: VC99 59#3

SAMPLE ELEV. (FT. NGVD): -61.1

SAMPLE DEPTH (FT.): 14.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 202.69

SAMPLE WEIGHT AFTER WASH (GRAMS): 199.27

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	0.42	0.21	99.79
5	-2.00	4.000	0.54	0.27	99.73
7	-1.50	2.800	0.58	0.29	99.71
10	-1.00	2.000	0.88	0.43	99.57
14	-0.50	1.400	1.32	0.65	99.35
18	0.00	1.000	1.80	0.89	99.11
25	0.50	0.710	2.31	1.14	98.86
35	1.00	0.500	3.01	1.49	98.51
45	1.50	0.355	3.90	1.92	98.08
60	2.00	0.250	5.82	2.87	97.13
80	2.50	0.180	15.18	7.49	92.51
120	3.00	0.125	110.45	54.49	45.51
170	3.50	0.090	193.75	95.59	4.41
200	3.75	0.075	198.29	97.83	2.17
230	4.00	0.063	200.67	99.00	1.00
PAN			202.70	100.00	0.00

PHI(5): 2.23

PHI(16): 2.59

PHI(25): 2.69

PHI(50): 2.95

PHI(75): 3.25

PHI(84): 3.36

PHI(95): 3.49

SIEVE LOSS(g): -0.01

SILT/CLAY: 2.17%

SKEWNESS: -0.236

KURTOSIS: 0.919

## GRAPHIC METHOD

MEAN (PHI): 2.93

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

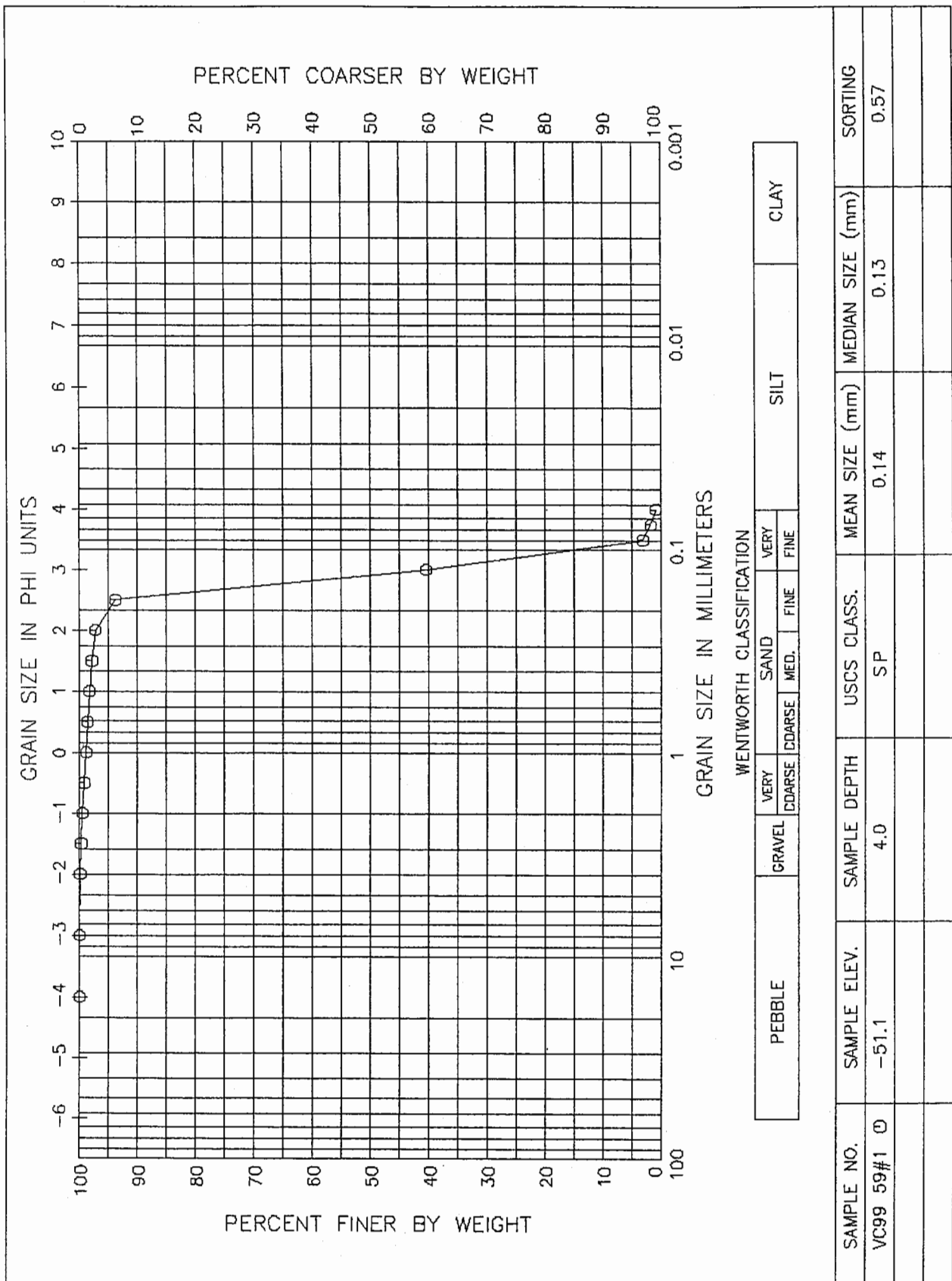
## MOMENT METHOD

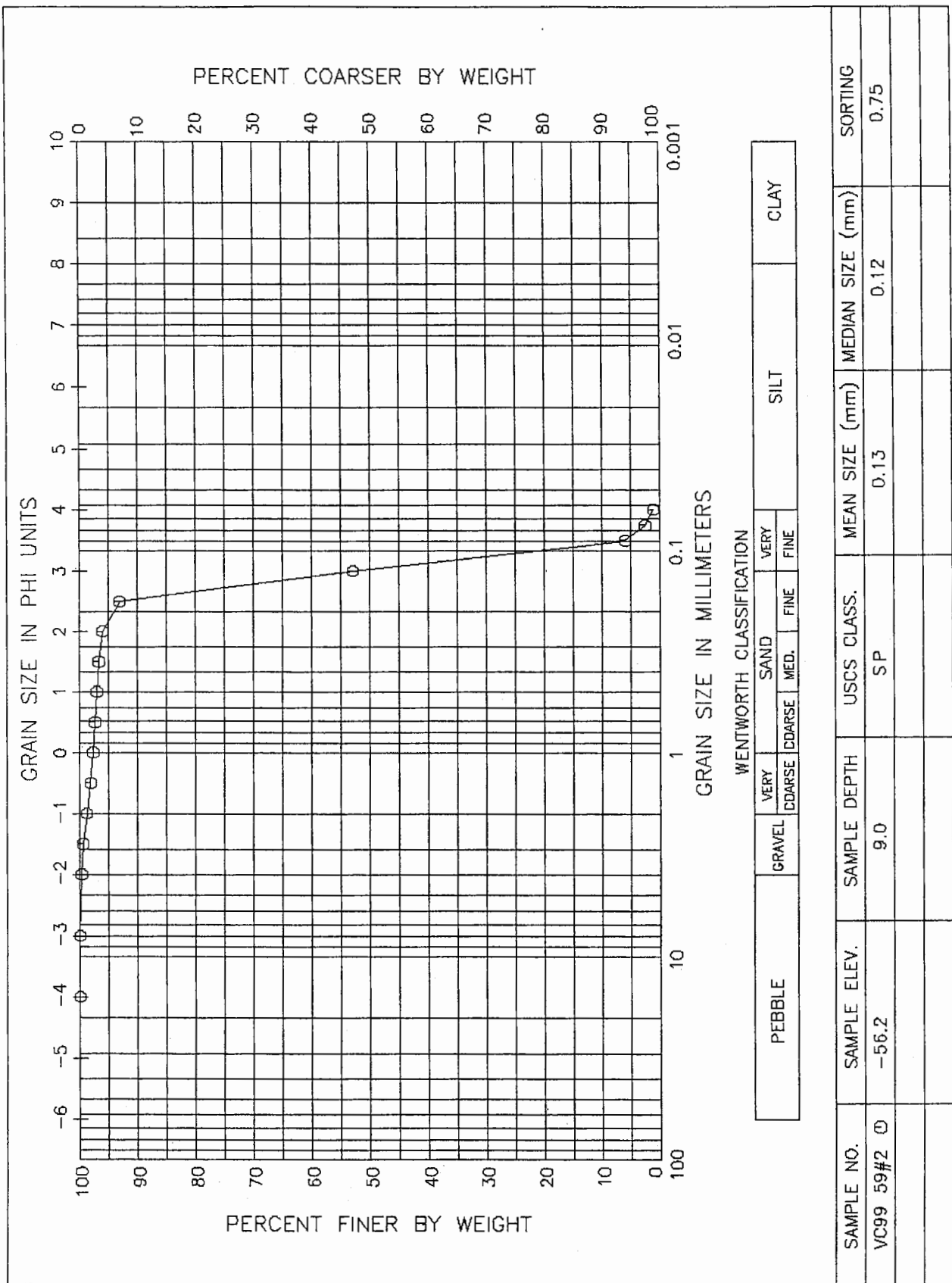
MEAN (PHI): 2.90

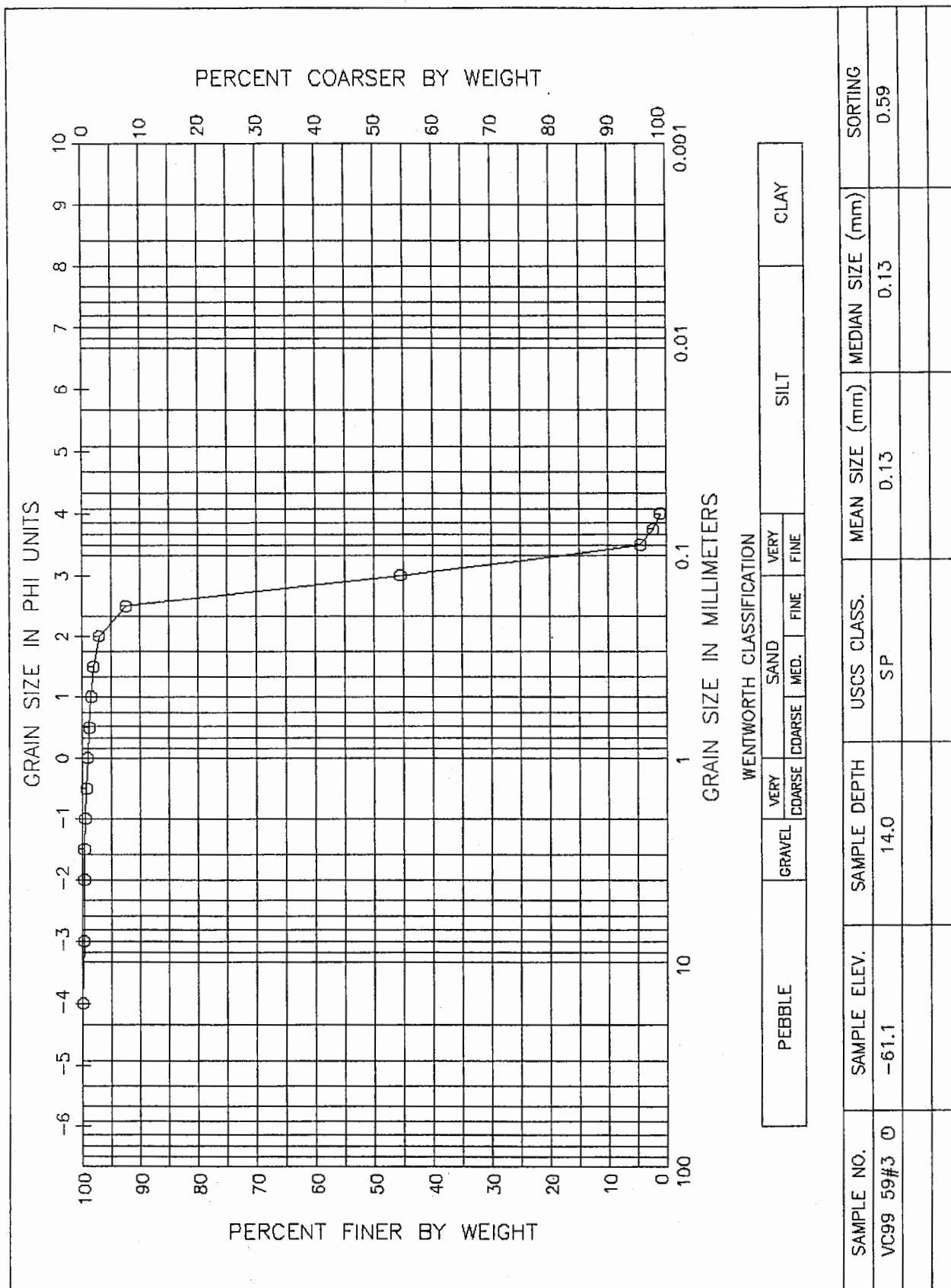
SORTING: 0.59

MEAN (mm): 0.13

DATA FILE NAME: VC99-59#3.TAB







GRAIN SIZE DISTRIBUTION CURVE  
TOWN OF PALM BEACH