

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
TESTED BY: MDA ON: 09-02-94

SAMPLE NO.: BR6 S#13
SAMPLE ELEV. (FT. NGVD): -49.5
SAMPLE DEPTH (FT.): -2.5
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 75.82
SAMPLE WEIGHT AFTER WASH (GRAMS): 72.79

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.00	.00	100.00
7	-1.5	2.800	.05	.07	99.93
10	-1.0	2.000	.26	.34	99.66
14	-0.5	1.400	.47	.62	99.38
18	0.0	1.000	.73	.96	99.04
25	0.5	.710	1.43	1.89	98.11
35	1.0	.500	4.15	5.47	94.53
45	1.5	.355	9.64	12.71	87.29
60	2.0	.250	28.50	37.59	62.41
80	2.5	.180	55.53	73.24	26.76
120	3.0	.125	70.49	92.97	7.03
170	3.5	.090	72.63	95.79	4.21
200	3.75	.075	72.77	95.98	4.02
230	4.0	.063	74.31	98.00	2.00
PAN			75.82	100.00	.00

PHI(5): .93 PHI(16): 1.57 PHI(25): 1.75
PHI(50): 2.17 PHI(75): 2.54 PHI(84): 2.77
PHI(95): 3.36

SIEVE LOSS(g): .00 SILT/CLAY: 4.02%
SKEWNESS: -.055 KURTOSIS: 1.246

GRAPHIC METHOD

MEAN (PHI): 2.16 SORTING: .60
MEAN (mm) : .22 MEDIAN (mm): .22

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.11 SORTING: .68
MEAN (mm) : .23

DATA FILE NAME: B:VC6S#13.TAB

GRADATION ANALYSIS REPORT
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SAMPLE NO.: BR6 S#14
SAMPLE ELEV. (FT. NGVD): -53.0
SAMPLE DEPTH (FT.): -6.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 80.97
SAMPLE WEIGHT AFTER WASH (GRAMS): 75.53

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.07	.09	99.91
7	-1.5	2.800	.07	.09	99.91
10	-1.0	2.000	.19	.23	99.77
14	-0.5	1.400	.42	.52	99.48
18	0.0	1.000	.84	1.04	98.96
25	0.5	.710	1.60	1.98	98.02
35	1.0	.500	4.70	5.80	94.20
45	1.5	.355	10.51	12.98	87.02
60	2.0	.250	28.12	34.73	65.27
80	2.5	.180	52.83	65.25	34.75
120	3.0	.125	72.50	89.54	10.46
170	3.5	.090	75.06	92.70	7.30
200	3.75	.075	75.31	93.01	6.99
230	4.0	.063	78.10	96.46	3.54
PAN			80.89	99.90	.10

PHI(5): .89 PHI(16): 1.57 PHI(25): 1.78
PHI(50): 2.25 PHI(75): 2.70 PHI(84): 2.89
PHI(95): 3.89

SIEVE LOSS(g): .08 SILT/CLAY: 6.99%
SKEWNESS: .289 KURTOSIS: 1.330

GRAPHIC METHOD

MEAN (PHI): 2.30 SORTING: .66
MEAN (mm) : .20 MEDIAN (mm): .21
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.17 SORTING: .74
MEAN (mm) : .22

DATA FILE NAME: B:VC6S#14.TAB

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
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SAMPLE NO.: BR6 S#15
SAMPLE ELEV. (FT. NGVD): -56.0
SAMPLE DEPTH (FT.): -9.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 78.70
SAMPLE WEIGHT AFTER WASH (GRAMS): 77.60

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.64	.81	99.19
7	-1.5	2.800	.82	1.04	98.96
10	-1.0	2.000	1.10	1.40	98.60
14	-0.5	1.400	1.67	2.12	97.88
18	0.0	1.000	2.60	3.30	96.70
25	0.5	.710	5.09	6.47	93.53
35	1.0	.500	11.57	14.70	85.30
45	1.5	.355	20.60	26.18	73.82
60	2.0	.250	44.63	56.71	43.29
80	2.5	.180	67.92	86.30	13.70
120	3.0	.125	77.00	97.84	2.16
170	3.5	.090	77.49	98.46	1.54
200	3.75	.075	77.50	98.48	1.52
230	4.0	.063	78.06	99.19	.81
PAN			78.62	99.90	.10

PHI(5): .27 PHI(16): 1.06 PHI(25): 1.45
PHI(50): 1.89 PHI(75): 2.31 PHI(84): 2.46
PHI(95): 2.88

SIEVE LOSS(g): .08 SILT/CLAY: 1.52%
SKEWNESS: -.635 KURTOSIS: 1.243

GRAPHIC METHOD

MEAN (PHI): 1.71 SORTING: .70
MEAN (mm) : .31 MEDIAN (mm): .27

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 1.76 SORTING: .85
MEAN (mm) : .30

DATA FILE NAME: B:VC6S#15.TAB

GRADATION ANALYSIS REPORT
N. BOCA RATON BORROW AREA VC 9/84
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SAMPLE NO.: BR6 S#16
SAMPLE ELEV. (FT. NGVD): -60.0
SAMPLE DEPTH (FT.): -13.0
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 70.42
SAMPLE WEIGHT AFTER WASH (GRAMS): 69.38

SIEVE SIZE	PHI SIZE	MESH SIZE (mm)	RETAINED (GRAMS)	RETAINED (%)	PASSED (%)
5/8	-4.0	16.000	.00	.00	100.00
5/16	-3.0	8.000	.00	.00	100.00
5	-2.0	4.000	.21	.30	99.70
7	-1.5	2.800	.42	.60	99.40
10	-1.0	2.000	.64	.91	99.09
14	-0.5	1.400	1.01	1.43	98.57
18	0.0	1.000	1.66	2.36	97.64
25	0.5	.710	3.17	4.50	95.50
35	1.0	.500	7.08	10.05	89.95
45	1.5	.355	13.51	19.18	80.82
60	2.0	.250	36.28	51.52	48.48
80	2.5	.180	59.72	84.81	15.19
120	3.0	.125	68.74	97.61	2.39
170	3.5	.090	69.29	98.40	1.60
200	3.75	.075	69.31	98.42	1.58
230	4.0	.063	69.84	99.18	.82
PAN			70.37	99.93	.07

PHI(5): .54	PHI(16): 1.33	PHI(25): 1.59
PHI(50): 1.98	PHI(75): 2.35	PHI(84): 2.49
PHI(95): 2.90		

SIEVE LOSS(g): .05	SILT/CLAY: 1.58%
SKEWNESS: -.510	KURTOSIS: 1.264

GRAPHIC METHOD

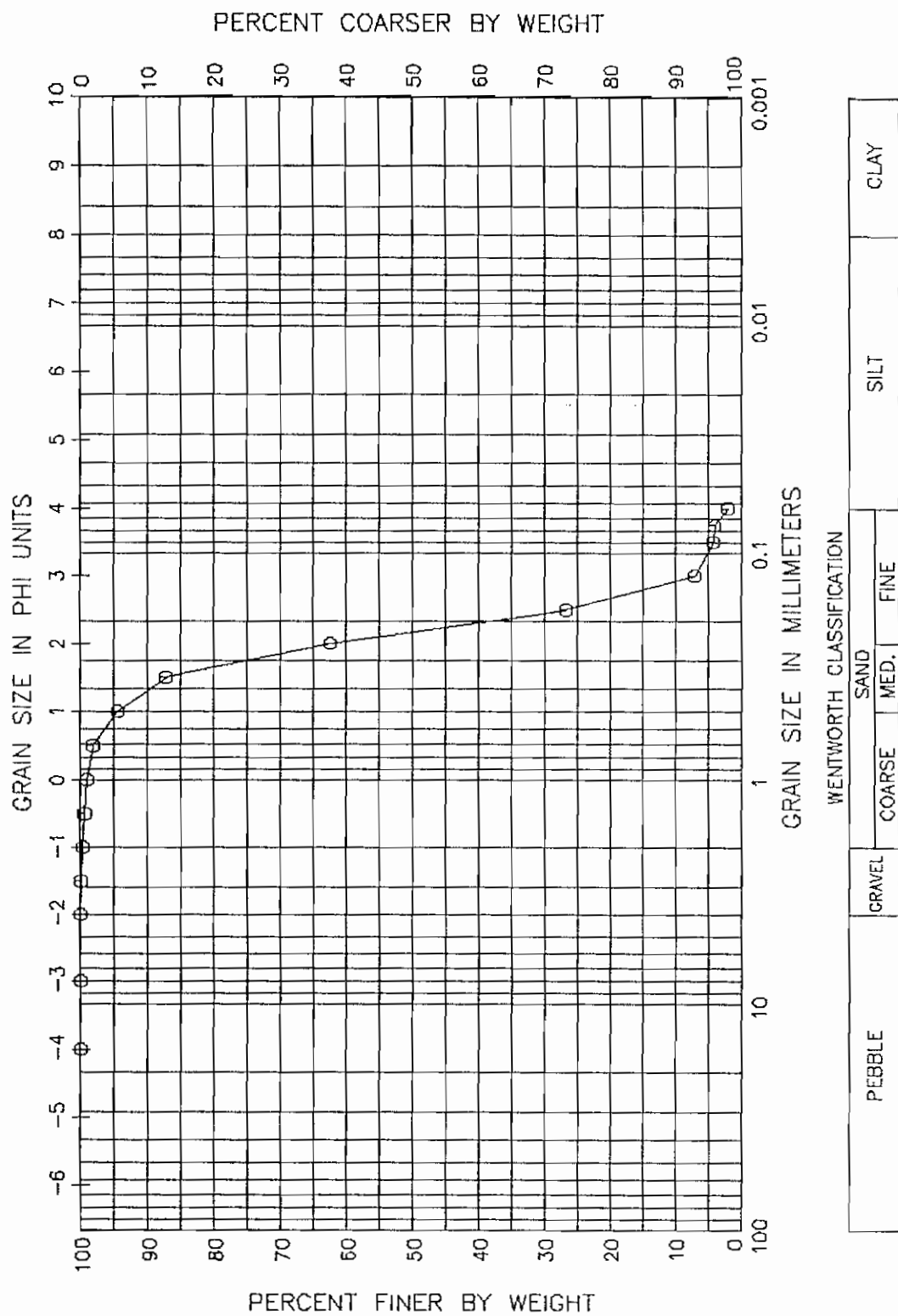
MEAN (PHI): 1.85	SORTING: .58
MEAN (mm) : .28	MEDIAN (mm): .25

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

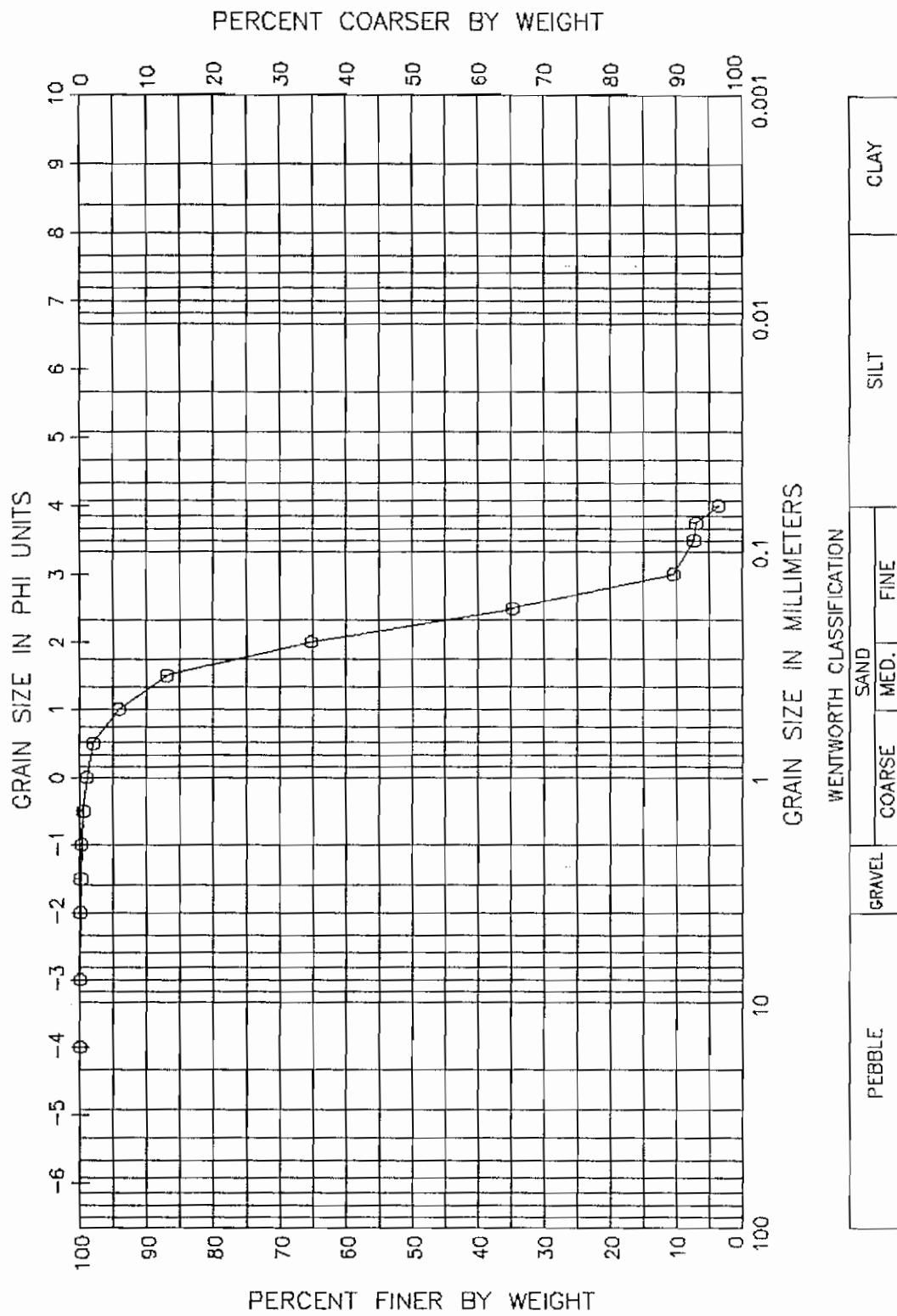
MOMENT METHOD

MEAN (PHI): 1.88	SORTING: .75
MEAN (mm) : .27	

DATA FILE NAME: B:VC6S#16.TAB

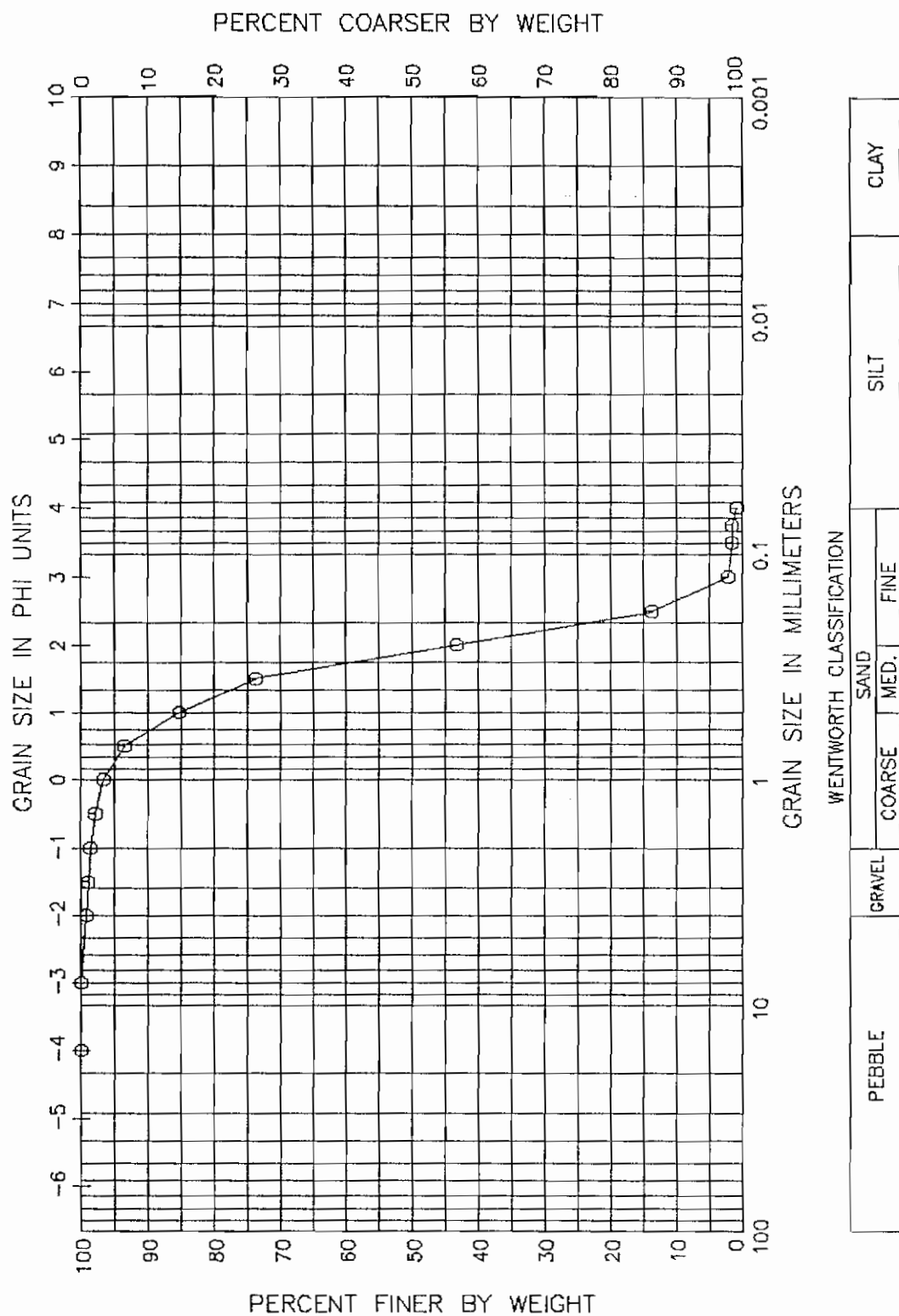


SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC6 S#13	-49.5	-2.5	SP	0.22	0.22	0.60



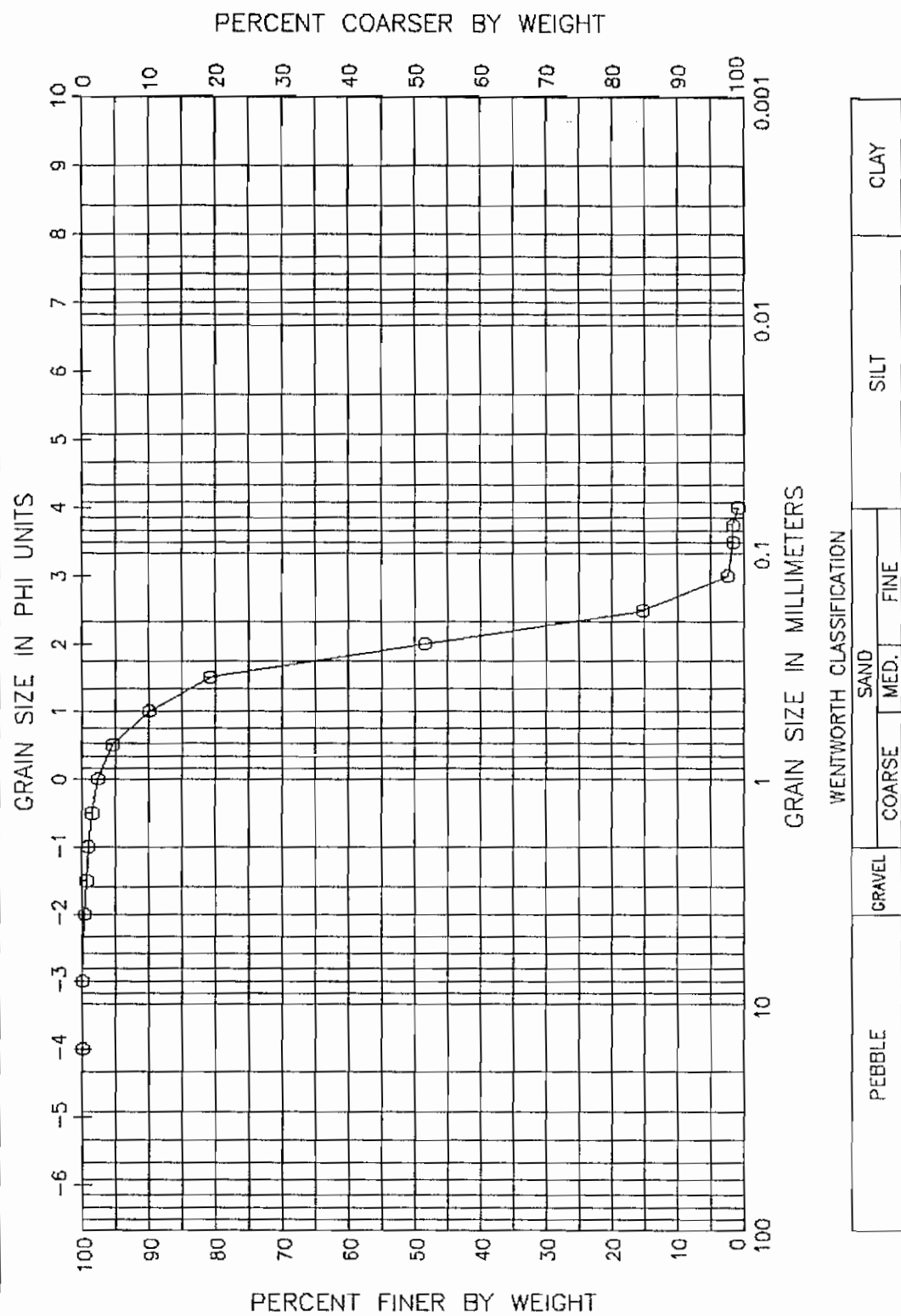
SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC6 S#14	-53.0	-6.0	SP-SM	0.20	0.21	0.66

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC6 S#15	-56.0	-9.0	SP	0.31	0.27	0.70

GRAIN SIZE DISTRIBUTION CURVE
N. BOCA RATON BORROW AREA VC 9/84



SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC6 S#16	-60.0	-13.0	SP	0.28	0.25	0.58