

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

SAMPLE NO.: BR8 S#19  
SAMPLE ELEV. (FT. NGVD): -58.7  
SAMPLE DEPTH (FT.): -11.7  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 71.97  
SAMPLE WEIGHT AFTER WASH (GRAMS): 69.83

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	.04	.06	99.94
10	-1.0	2.000	.13	.18	99.82
14	-0.5	1.400	.29	.40	99.60
18	0.0	1.000	.66	.92	99.08
25	0.5	.710	1.41	1.96	98.04
35	1.0	.500	4.85	6.74	93.26
45	1.5	.355	11.82	16.42	83.58
60	2.0	.250	30.51	42.39	57.61
80	2.5	.180	53.91	74.91	25.09
120	3.0	.125	68.39	95.03	4.97
170	3.5	.090	69.67	96.80	3.20
200	3.75	.075	69.74	96.90	3.10
230	4.0	.063	70.82	98.40	1.60
PAN			71.90	99.90	.10

PHI(5): .82            PHI(16): 1.48            PHI(25): 1.67  
PHI(50): 2.12        PHI(75): 2.50            PHI(84): 2.73  
PHI(95): 3.00

SIEVE LOSS(g): .07            SILT/CLAY: 3.10%  
SKEWNESS: -.417            KURTOSIS: 1.068

GRAPHIC METHOD

MEAN (PHI): 2.03            SORTING: .62  
MEAN (mm) : .25            MEDIAN (mm): .23  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.05            SORTING: .68  
MEAN (mm) : .24

DATA FILE NAME: B:VC8S#19.TAB

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

SAMPLE NO.: BR8 S#20  
SAMPLE ELEV. (FT. NGVD): -64.0  
SAMPLE DEPTH (FT.): -17.0  
SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP-SM

DRY SAMPLE WEIGHT (GRAMS): 64.13  
SAMPLE WEIGHT AFTER WASH (GRAMS): 60.81

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	.36	.56	99.44
7	-1.5	2.800	.47	.73	99.27
10	-1.0	2.000	.79	1.23	98.77
14	-0.5	1.400	1.07	1.67	98.33
18	0.0	1.000	1.51	2.35	97.65
25	0.5	.710	2.47	3.85	96.15
35	1.0	.500	5.14	8.01	91.99
45	1.5	.355	9.44	14.72	85.28
60	2.0	.250	23.72	36.99	63.01
80	2.5	.180	42.32	65.99	34.01
120	3.0	.125	57.66	89.91	10.09
170	3.5	.090	60.35	94.11	5.89
200	3.75	.075	60.67	94.60	5.40
230	4.0	.063	62.40	97.30	2.70
PAN			64.08	99.92	.08

PHI(5): .64      PHI(16): 1.53      PHI(25): 1.73  
PHI(50): 2.22      PHI(75): 2.69      PHI(84): 2.88  
PHI(95): 3.79

SIEVE LOSS(g): .05      SILT/CLAY: 5.40%  
SKEWNESS: -.024      KURTOSIS: 1.348

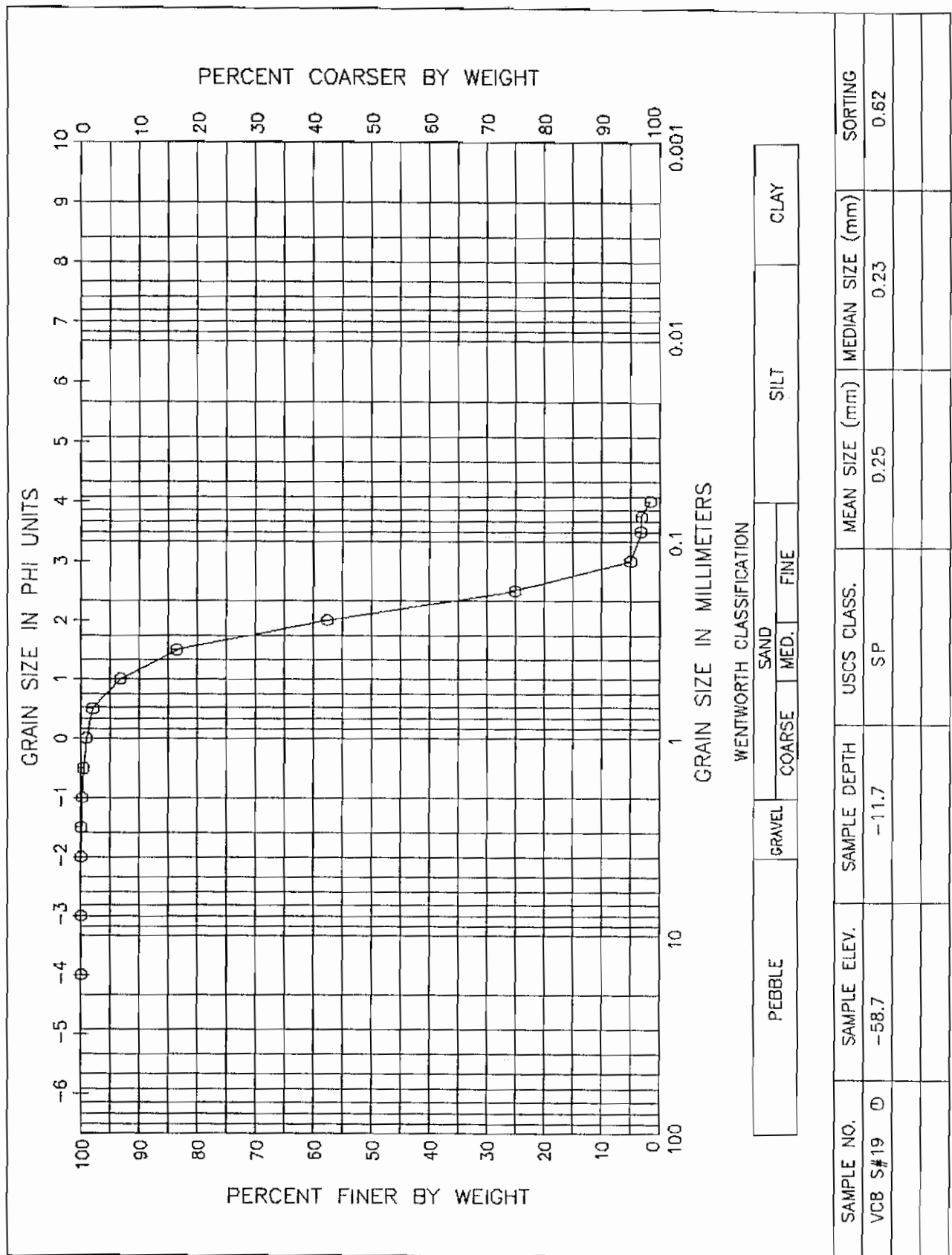
GRAPHIC METHOD

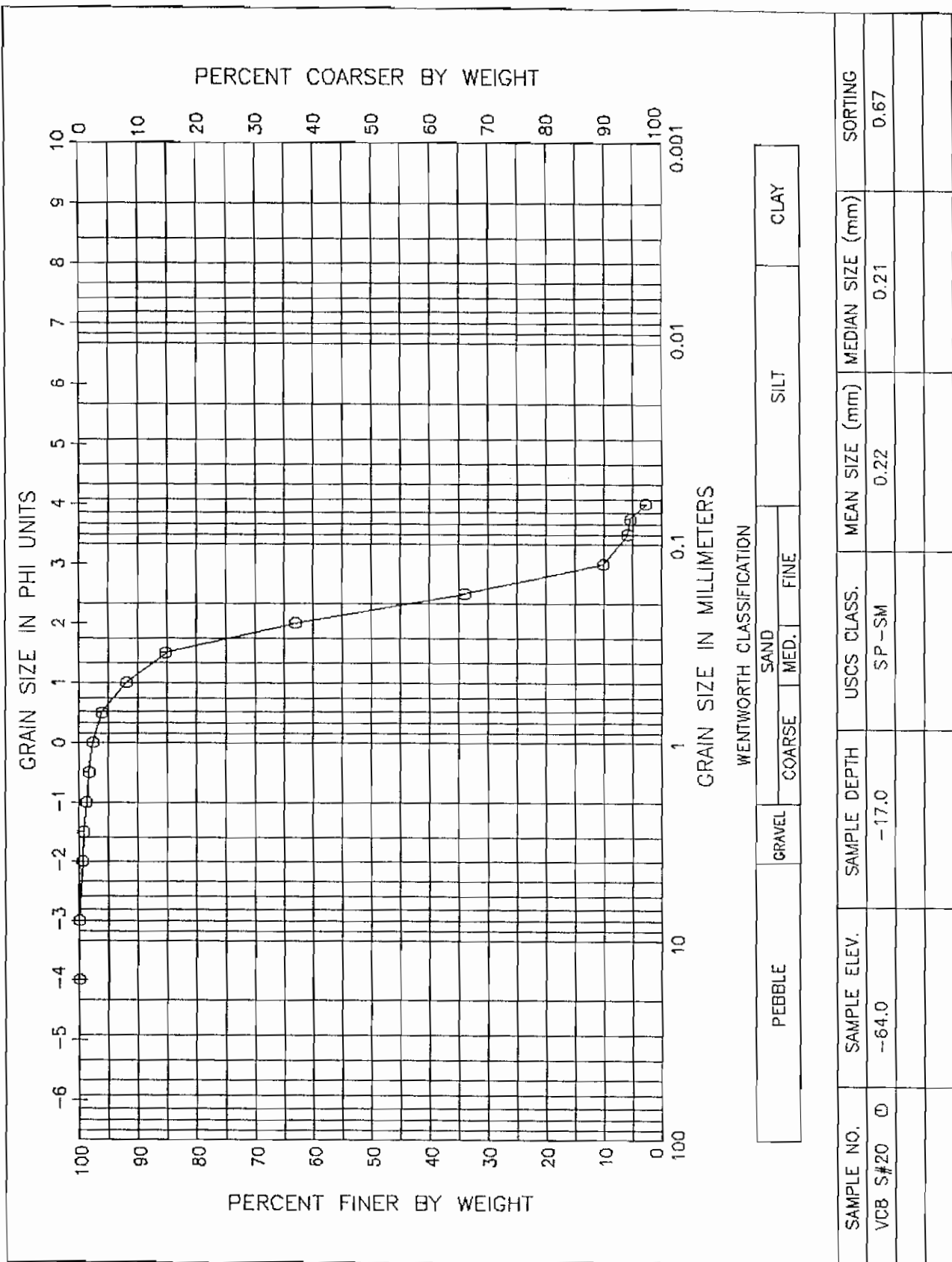
MEAN (PHI): 2.21      SORTING: .67  
MEAN (mm): .22      MEDIAN (mm): .21  
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.11      SORTING: .87  
MEAN (mm): .23

DATA FILE NAME: B:VC8S#20.TAB





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