

DRILLING LOG		DIVISION		INSTALLATION		SHEET 1 OF 1	
1. PROJECT TOWN OF PALM BEACH				10. SIZE AND TYPE OF BIT 3"			
2. LOCATION (Coordinates or Station) X=974,524 Y=837,188				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD			
3. DRILLING AGENCY ALPINE SEISMIC				12. MANUFACTURER'S DESIGNATION OF DRILL ALPINE PNEUMATIC			
4. HOLE NO. (As shown on drawing title and file number) VC99-70				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 0 undisturbed: 0			
5. NAME OF DRILLER ROB SUSKO				14. TOTAL NUMBER OF CORE BOXES 1			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				15. ELEVATION GROUND WATER			
7. THICKNESS OF BURDEN 0.0 Ft.				16. DATE HOLE STARTED COMPLETED 4/17/99 4/17/99			
8. DEPTH DRILLED INTO ROCK 0.0 Ft.				17. ELEVATION TOP OF HOLE -49.9 Ft.			
9. TOTAL DEPTH OF HOLE 19.8 Ft.				18. TOTAL CORE RECOVERY FOR BORING 100 %			
				19. SIGNATURE OF GEOLOGIST L. DALESSIO			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-49.9	.0					-49.9	0
			SAND, light gray fine with 5% shell and coral fragments (SP)				2.5
					#1	Sample #1, Depth = 4.0' 0.14 mm, 0.65 phi sorting 2.0% silt	5
					#2	Sample #2, Depth = 11.0' 0.16 mm, 0.83 phi sorting 1.8% silt	10
					#3	Sample #3, Depth = 16.5' 0.14 mm, 0.56 phi sorting 2.2% silt	15
							17.5
							20
							22.5
-69.7	19.8						
			NOTES: 1. Soils are visually classified in accordance with the Unified Soils Classification System.				

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW

ON: 6/14/99

SAMPLE NO.: VC99 70#1

SAMPLE ELEV. (FT. NGVD): -53.9

SAMPLE DEPTH (FT.): 4.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 146.06

SAMPLE WEIGHT AFTER WASH (GRAMS): 143.50

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	0.41	0.28	99.72
7	-1.50	2.800	0.56	0.38	99.62
10	-1.00	2.000	0.93	0.64	99.36
14	-0.50	1.400	1.43	0.98	99.02
18	0.00	1.000	1.92	1.31	98.69
25	0.50	0.710	2.57	1.76	98.24
35	1.00	0.500	3.49	2.39	97.61
45	1.50	0.355	4.39	3.01	96.99
60	2.00	0.250	5.92	4.05	95.95
80	2.50	0.180	11.55	7.91	92.09
120	3.00	0.125	77.48	53.05	46.95
170	3.50	0.090	141.26	96.71	3.29
200	3.75	0.075	143.21	98.05	1.95
230	4.00	0.063	144.70	99.07	0.93
PAN			146.06	100.00	0.00

PHI(5): 2.12

PHI(16): 2.59

PHI(25): 2.69

PHI(50): 2.97

PHI(75): 3.25

PHI(84): 3.35

PHI(95): 3.48

SIEVE LOSS(g): 0.00

SILT/CLAY: 1.95%

SKEWNESS: -0.431

KURTOSIS: 0.990

GRAPHIC METHOD

MEAN (PHI): 2.90

SORTING: 0.38

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.88

SORTING: 0.65

MEAN (mm): 0.14

DATA FILE NAME: VC99-70#1.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 6/14/99

SAMPLE NO.: VC99 70#2

SAMPLE ELEV. (FT. NGVD): -60.9

SAMPLE DEPTH (FT.): 11.0

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 167.43

SAMPLE WEIGHT AFTER WASH (GRAMS): 164.80

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	0.36	99.64
7	-1.50	2.800	1.12	0.67	99.33
10	-1.00	2.000	2.04	1.22	98.78
14	-0.50	1.400	3.47	2.07	97.93
18	0.00	1.000	4.92	2.94	97.06
25	0.50	0.710	6.61	3.95	96.05
35	1.00	0.500	8.79	5.25	94.75
45	1.50	0.355	10.95	6.54	93.46
60	2.00	0.250	13.62	8.13	91.87
80	2.50	0.180	21.98	13.13	86.87
120	3.00	0.125	116.22	69.41	30.59
170	3.50	0.090	163.23	97.49	2.51
200	3.75	0.075	164.46	98.23	1.77
230	4.00	0.063	166.05	99.18	0.82
PAN			167.42	99.99	0.01

PHI(5): 0.90

PHI(16): 2.53

PHI(25): 2.61

PHI(50): 2.83

PHI(75): 3.10

PHI(84): 3.26

PHI(95): 3.46

SIEVE LOSS(g): 0.01

SILT/CLAY: 1.77%

SKEWNESS: -1.764

KURTOSIS: 2.117

GRAPHIC METHOD

MEAN (PHI): 2.59

SORTING: 0.37

MEAN (mm): 0.17

MEDIAN (mm): 0.14

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

MEAN (PHI): 2.68

SORTING: 0.83

MEAN (mm): 0.16

DATA FILE NAME: VC99-70#2.TAB

GRADATION ANALYSIS REPORT

TOWN OF PALM BEACH

TESTED BY: RW ON: 7-20-99

SAMPLE NO.: VC99 70#3

SAMPLE ELEV. (FT. NGVD): -66.4

SAMPLE DEPTH (FT.): 16.5

SAMPLE TYPE: CORE SAMPLE

USCS DESCRIPTION: SP

DRY SAMPLE WEIGHT (GRAMS): 181.13

SAMPLE WEIGHT AFTER WASH (GRAMS): 177.54

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	0.07	0.04	99.96
7	-1.50	2.800	0.33	0.18	99.82
10	-1.00	2.000	0.67	0.37	99.63
14	-0.50	1.400	1.04	0.57	99.43
18	0.00	1.000	1.66	0.92	99.08
25	0.50	0.710	2.28	1.26	98.74
35	1.00	0.500	3.24	1.79	98.21
45	1.50	0.355	4.43	2.45	97.55
60	2.00	0.250	6.32	3.49	96.51
80	2.50	0.180	13.21	7.29	92.71
120	3.00	0.125	105.58	58.29	41.71
170	3.50	0.090	175.84	97.08	2.92
200	3.75	0.075	177.14	97.80	2.20
230	4.00	0.063	179.24	98.95	1.05
PAN			181.13	100.00	0.00

PHI (5): 2.20

PHI (16): 2.59

PHI (25): 2.67

PHI (50): 2.92

PHI (75): 3.22

PHI (84): 3.33

PHI (95): 3.47

SIEVE LOSS(g): 0.00

SILT/CLAY: 2.20%

SKEWNESS: -0.222

KURTOSIS: 0.964

GRAPHIC METHOD

MEAN (PHI): 2.90

SORTING: 0.37

MEAN (mm): 0.13

MEDIAN (mm): 0.13

NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

MOMENT METHOD

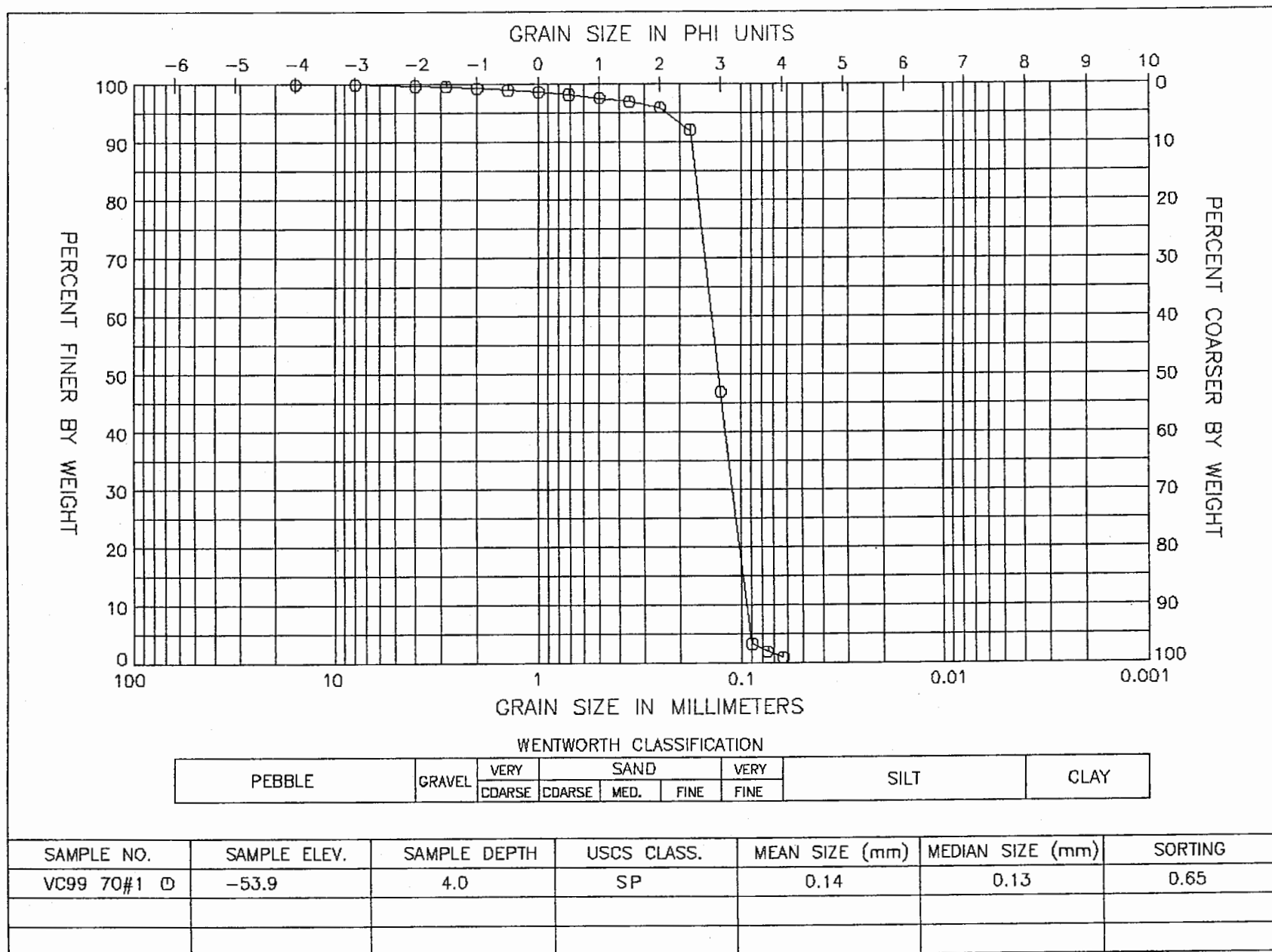
MEAN (PHI): 2.87

SORTING: 0.56

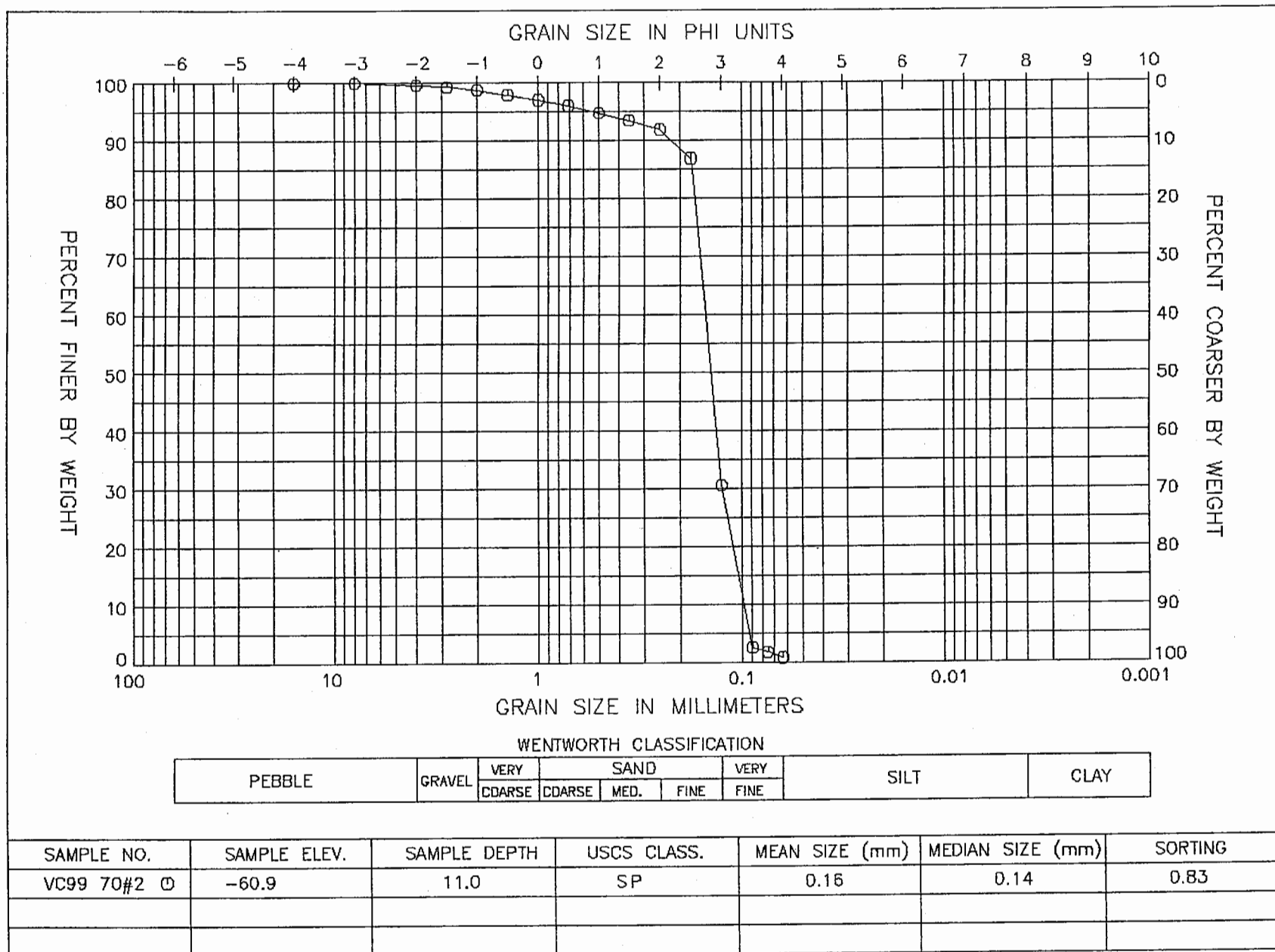
MEAN (mm): 0.14

DATA FILE NAME: VC99-70#3.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

