

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
		SAND, light gray fine with 5% shell and coral fragments (SP)			#1	Sample #1, Depth = 4.0' 0.14 mm, 0.65 phi sorting 2.0% silt
					#2	Sample #2, Depth = 11.0' 0.16 mm, 0.83 phi sorting 1.8% silt
					#3	Sample #3, Depth = 16.5' 0.14 mm, 0.56 phi sorting 2.2% silt
-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

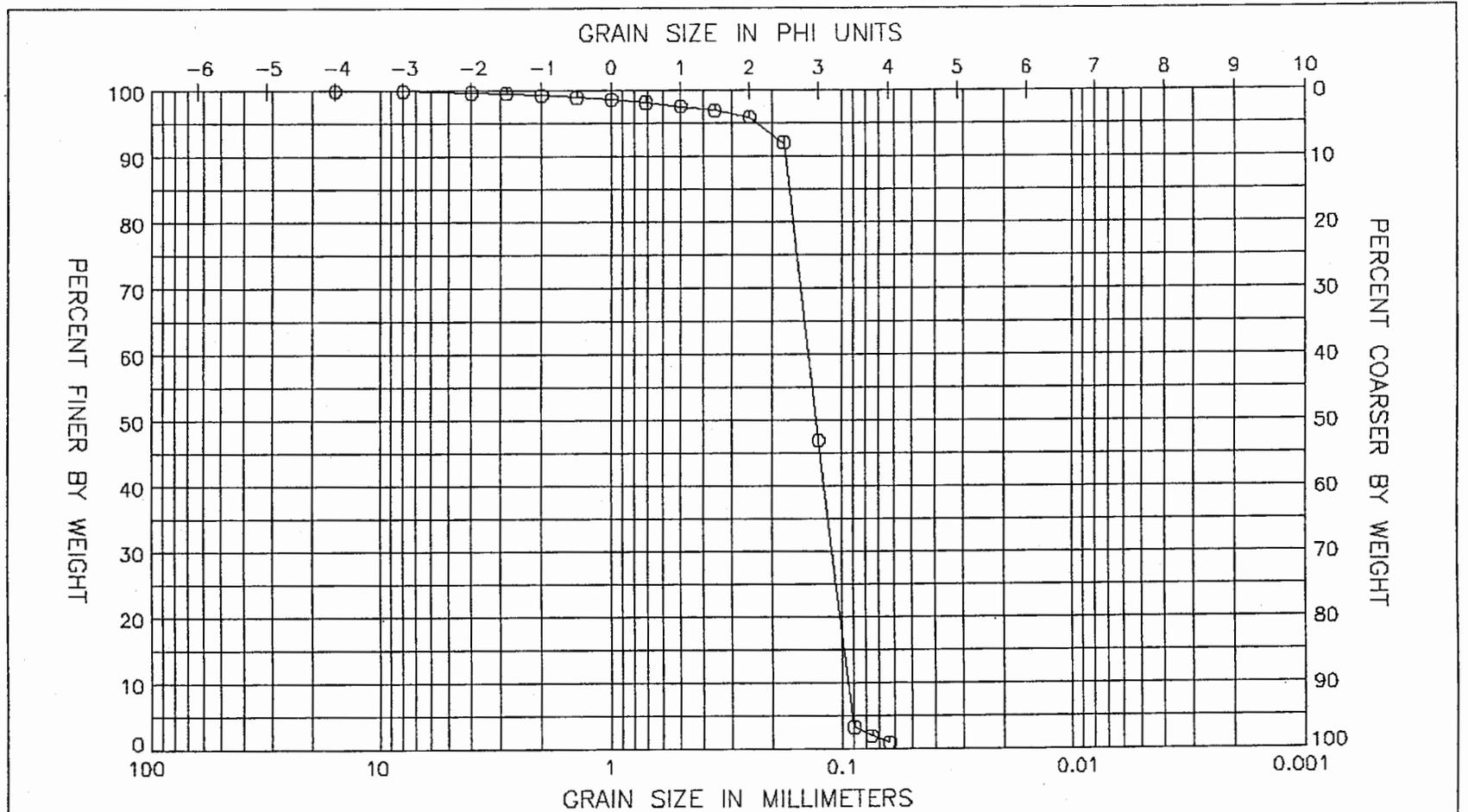
MEAN (PHI): 2.90 SORTING: 0.37
MEAN (mm): 0.13 MEDIAN (mm): 0.13
NOTE: MEAN WAS CALCULATED USING 5 POINT METHOD

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

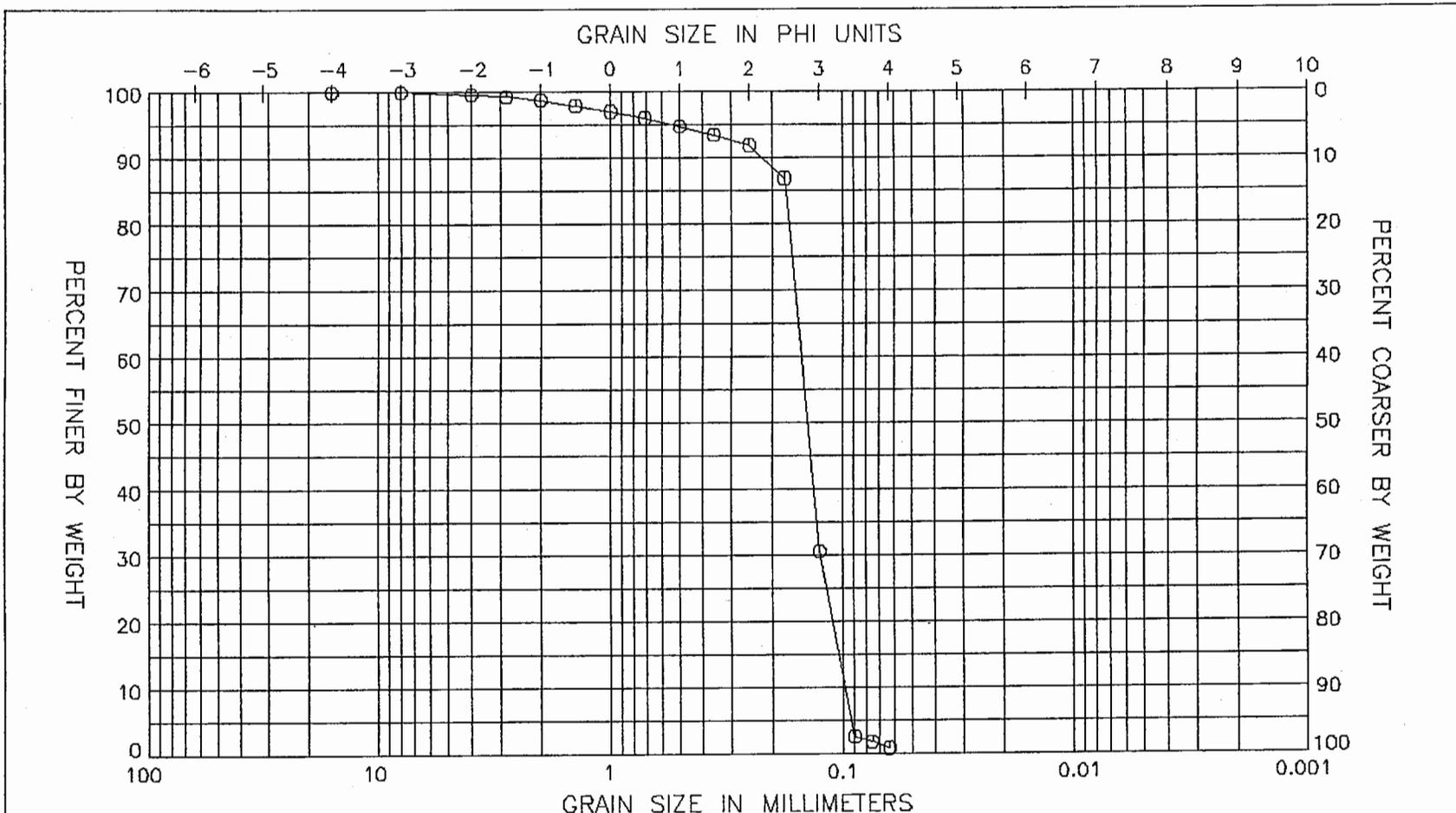


WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	VERY	SAND		VERY	SILT	CLAY
		COARSE	COARSE	MED.	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 70#1 \emptyset	-53.9	4.0	SP	0.14	0.13	0.65

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH



WENTWORTH CLASSIFICATION

PEBBLE	GRAVEL	VERY	SAND			VERY	SILT	CLAY
		CDARSE	CDARSE	MED.	FINE	FINE		

SAMPLE NO.	SAMPLE ELEV.	SAMPLE DEPTH	USCS CLASS.	MEAN SIZE (mm)	MEDIAN SIZE (mm)	SORTING
VC99 70#2 ⊙	-60.9	11.0	SP	0.16	0.14	0.83

GRAIN SIZE DISTRIBUTION CURVE
TOWN OF PALM BEACH

