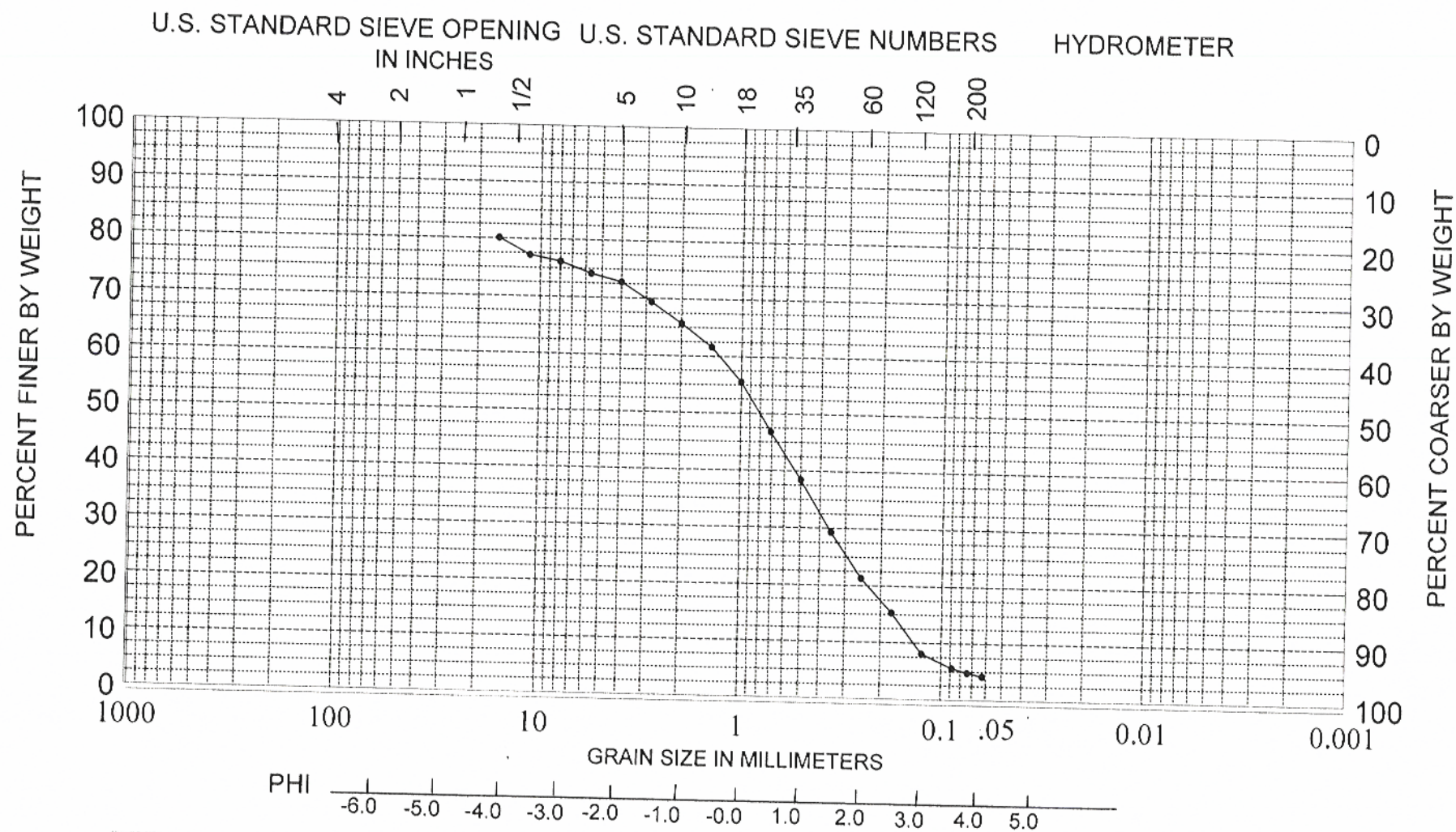


DRILLING LOG		DIVISION		INSTALLATION		SHEET 1 OF 1	
1. PROJECT Dade County Deepwater Geotechnical Study				10. SIZE AND TYPE OF BIT 4" VIBRACORE			
2. LOCATION (Coordinates or Station) X=958224.000 Y=536006.200				11. DATUM FOR ELEVATION SHOWN (TBM or MSL) MLLW			
3. DRILLING AGENCY SEA, Inc./Alpine OSS				12. MANUFACTURER'S DESIGNATION OF DRILL PNEUMATIC VIBRACORE			
4. HOLE NO. (As shown on drawing title and file number) DCV 99-4				13. TOTAL NO. OF OVERBURDEN SAMPLES TAKEN disturbed: 2 undisturbed: 0			
5. NAME OF DRILLER Alpine OSS				14. TOTAL NUMBER OF CORE BOXES			
6. DIRECTION OF HOLE <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				15. ELEVATION GROUND WATER			
7. THICKNESS OF BURDEN 0 Ft.				16. DATE HOLE STARTED COMPLETED 12-12-99 12-12-99			
8. DEPTH DRILLED INTO ROCK 0 Ft.				17. ELEVATION TOP OF HOLE -116.7 Ft.			
9. TOTAL DEPTH OF HOLE 6.3 Ft.				18. TOTAL CORE RECOVERY FOR BORING 72 %			
				19. SIGNATURE OF G. ZARILLO, SEA, INC.			
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS (Description)	CORE REC %	SAMPLE NUMBER	REMARKS	
-116.7	0					-116.7	0
			Pale brown-white carbonate sand, semi-lithified, rock fragments to 4 inches. 10 YR 8/1-8/2 (SW)	100	10		
-119.7	3.0		Pale brown medium to fine silty sand. 10 YR 8/1-8/2 (SM)		30		2.5
-121.2	4.5					-121.2	5
-123.0	6.3		Penetration depth			-123.0	7.5
							10
							12.5
							15
							17.5
							20
							22.5

Sample DCV-4-1.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi	mm
5/8	16.00	-4.00	12.09	19.88	19.88			
1/2	11.31	-3.50	1.79	2.94	22.82			
5/16	8.00	-3.00	0.65	1.07	23.88			
1/4	5.66	-2.50	1.20	1.97	25.86			
5	4.00	-2.00	0.84	1.37	27.23	5% :	-5.00	32.00
7	2.83	-1.50	2.05	3.37	30.60	16% :	-4.05	16.56
10	2.00	-1.00	2.26	3.71	34.31	25% :	-2.72	6.58
14	1.41	-0.50	2.49	4.09	38.40	50% :	0.32	0.80
18	1.00	0.00	3.70	6.08	44.49	75% :	1.77	0.29
25	0.71	0.50	5.29	8.70	53.19	84% :	2.44	0.18
35	0.50	1.00	5.10	8.39	61.57	95% :	3.63	0.08
45	0.35	1.50	5.53	9.09	70.66			
60	0.25	2.00	4.90	8.06	78.72	Med.	0.32	0.80
80	0.18	2.50	3.67	6.03	84.75	Mean	-0.43	1.35
120	0.13	3.00	4.36	7.17	91.92	St Dev.	2.93	
170	0.09	3.50	1.51	2.48	94.40	Skew	-0.29	
200	0.07	3.75	0.48	0.78	95.18	Kurt.	0.79	
230	0.06	4.00	0.36	0.60	95.78			
Pan			0.38	0.62	96.40			
Total			58.65	96.40	96.40			
						Moment	Statistics	
Cu =	9.42	Gravel			27 %	Mean	Phi	mm
		Coarse Sand			8 %	St. Dev.	-0.29	1.22
		ed. Sand			32 %	Skewness	2.62	0.16
Cc =	0.74	Fine Sand			30 %	Kurtosis	-0.40	
		Silt/Clay			4 %		1.72	

SEA, INC.



SAMPLE NO.	ELEV.	CLASSIFICATION	GRAVEL					SAND			SILT OR CLAY
			COARSE	FINE	COARSE	MEDIUM	FINE				
1.0	-117.7	Well graded sand and gravel (SW)									

PROJECT Dade County Deepwater Study
AREA Dade Co., Florida
BORING NO. DCV-4
DATE March, 2000

Sediment Analysis Data Sheet

Sample DCV-4-3.0

Sieve	Size (mm)	Phi size	Wt	Wt %	Cuml %	Folk	Statistics phi mm	
5/8	16.00	-4.00	0.00	0.00	0.00			
1/2	11.31	-3.50	0.00	0.00	0.00			
5/16	8.00	-3.00	0.97	2.63	2.63			
1/4	5.66	-2.50	0.73	1.99	4.62			
5	4.00	-2.00	0.46	1.26	5.87	5% :	-2.35	5.09
7	2.83	-1.50	0.81	2.19	8.06	16% :	-0.44	1.36
10	2.00	-1.00	1.05	2.84	10.90	25% :	0.12	0.92
14	1.41	-0.50	1.58	4.28	15.18	50% :	1.27	0.42
18	1.00	0.00	2.66	7.20	22.37	75% :	2.73	0.15
25	0.71	0.50	3.97	10.77	33.15	84% :	3.46	0.09
35	0.50	1.00	3.98	10.80	43.95	95% :	4.30	0.05
45	0.35	1.50	4.19	11.36	55.31	Med.	1.27	0.42
60	0.25	2.00	3.28	8.90	64.21	Mean	1.43	0.37
80	0.18	2.50	2.64	7.14	71.35	St Dev.	1.98	
120	0.13	3.00	2.92	7.92	79.27	Skew	0.02	
170	0.09	3.50	1.92	5.19	84.46	Kurt.	1.04	
200	0.07	3.75	0.82	2.22	86.68			
230	0.06	4.00	0.65	1.77	88.45			
Pan			0.43	1.15	89.60			
Total			33.05	89.60	89.60			

Cu = 0.57

Gravel
Coarse Sand
ed. Sand
Fine Sand
Silt/Clay

5 %
6 %
39 %
39 %
12 %

Cc = 0.06

SEA, INC.

Moment		Statistics	
		Phi	mm
Mean		1.10	0.47
St. Dev.		1.72	0.30
Skewness		-0.68	
Kurtosis		2.85	

