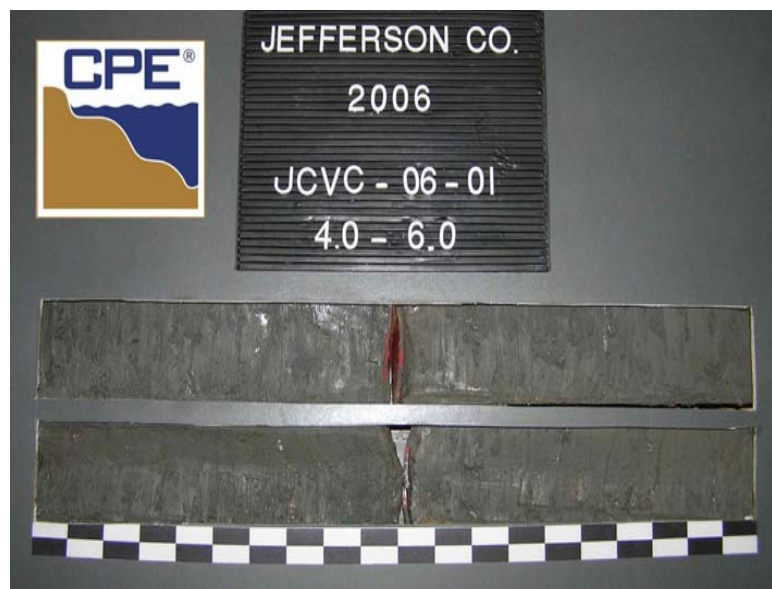
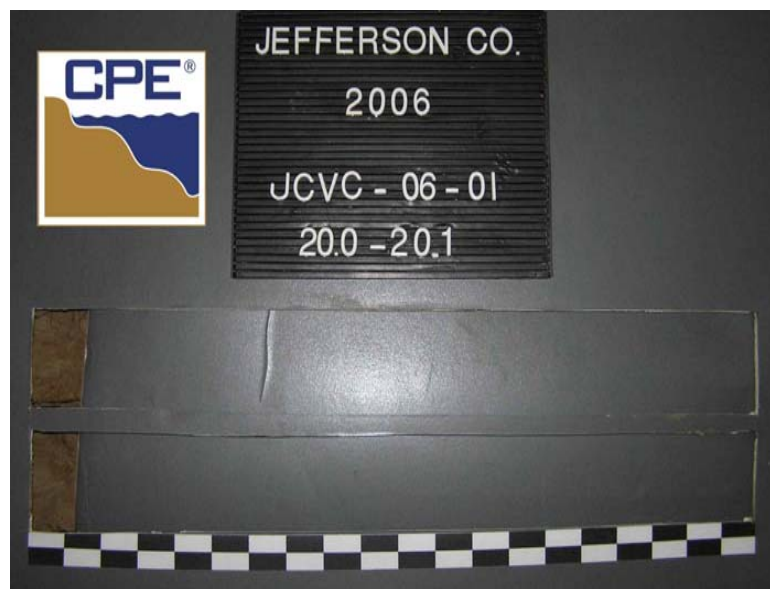








DRILLING LOG		DIVISION	INSTALLATION	SHEET 1 OF 1 SHEETS
1. PROJECT Texas Geotechnical Sand Search Jefferson County Texas			9. SIZE AND TYPE OF BIT 3.0 In.	
2. BORING DESIGNATION JCVC-06-01			10. COORDINATE SYSTEM/DATUM Texas South Central	
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.			11. MANUFACTURER'S DESIGNATION OF DRILL ☐ AUTO HAMMER ☐ MANUAL HAMMER	
4. NAME OF DRILLER Charles Dill			12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)	
5. DIRECTION OF BORING ☒ VERTICAL ☐ INCLINED			13. TOTAL NUMBER CORE BOXES	
6. THICKNESS OF OVERBURDEN 0.0 Ft.			14. ELEVATION GROUND WATER	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.			15. DATE BORING 10-09-06 11:28	
8. TOTAL DEPTH OF BORING 19.3 Ft.			16. ELEVATION TOP OF BORING -34.1 Ft.	
			17. TOTAL RECOVERY FOR BORING 20.1 Ft.	
			18. SIGNATURE AND TITLE OF INSPECTOR ML	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-34.1	0.0					
-35.0	0.9		SAND, fine grained, quartz, trace shell hash, trace silt, gray (5Y-5/1), (SW-SM).		1	Sample #1, Depth = 0.5' Mean (mm): 0.24, Phi Sorting: 1.26 Shell Hash: 3%, Fines (230): 10.69% (SW-SM)
-41.0	6.9		CLAY, trace shell, trace shell hash, stiff to soft; (1.0"x 1.0") shell @ 2.9'; 2.0" shell and shell hash layer @ 6.6', dark gray (5Y-4/1), (CL).			
-53.4	19.3		CLAY, very stiff, light olive brown (2.5Y-5/3), (CL).			
-54.2	20.1		Expansion Material, (CL).			
			End of Boring			

FLORIDA DEP ROSS - JEFFERSON VIBRACORES 2006 1-8.GPJ FL DEP ROSS.GDT 12/14/06

Granularmetric Report Depths and elevations based on measured values				 Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116			
Project Name: Texas Geotechnical Sand Search							
Sample Name: JCVC-06-01 #1							
Analysis Date: 10-19-06							
Analyzed By: TF							
Easting (ft):		Northing (ft):		Coordinate System:		Elevation (ft):	
3,537,543		13,758,425		Texas South Central		-34.6 MLLW	
USCS:		Munsell:		Comments:			
SW-SM		Wet - 5Y-5/1 Dry - 5Y-6/1 Washed - 5Y-6/2					
Dry Weight (g):	Wash Weight (g):	Pan Retained (g):	Sieve Loss (%):	Fines (%):	Organics (%):	Carbonates (%):	Shell Hash (%):
99.42	88.85	0.04	0.00	#200 - 11.21 #230 - 10.69			3
Sieve Number	Sieve Size (Phi)	Sieve Size (Millimeters)	Grams Retained	% Weight Retained	Cum. Grams Retained	C. % Weight Retained	
3/4"	-4.25	19.03	0.00	0.00	0.00	0.00	
5/8"	-4.00	16.00	0.00	0.00	0.00	0.00	
7/16"	-3.50	11.31	0.00	0.00	0.00	0.00	
5/16"	-3.00	8.00	0.12	0.12	0.12	0.12	
3.5	-2.50	5.66	0.36	0.36	0.48	0.48	
4	-2.25	4.76	0.80	0.80	1.28	1.28	
5	-2.00	4.00	0.93	0.94	2.21	2.22	
7	-1.50	2.83	1.31	1.32	3.52	3.54	
10	-1.00	2.00	1.45	1.46	4.97	5.00	
14	-0.50	1.41	1.63	1.64	6.60	6.64	
18	0.00	1.00	1.50	1.51	8.10	8.15	
25	0.50	0.71	1.80	1.81	9.90	9.96	
35	1.00	0.50	1.84	1.85	11.74	11.81	
45	1.50	0.35	2.44	2.45	14.18	14.26	
60	2.00	0.25	6.56	6.60	20.74	20.86	
80	2.50	0.18	24.78	24.92	45.52	45.78	
120	3.00	0.13	36.38	36.59	81.90	82.37	
170	3.50	0.09	5.61	5.64	87.51	88.01	
200	3.75	0.07	0.78	0.78	88.29	88.79	
230	4.00	0.06	0.52	0.52	88.81	89.31	
Phi 5	Phi 16	Phi 25	Phi 50	Phi 75	Phi 84	Phi 95	
	3.14	2.90	2.56	2.08	1.63	-1.00	
Moment	Mean Phi	Mean mm	Sorting	Skewness	Kurtosis		
Statistics	2.07	0.24	1.26	-2.1	6.99		

Gravel		Sand			Silt and Clay
Coarse	Fine	Coarse	Medium	Fine	

Sample	Symbol	Elev. (ft)	USCS	% Fines	% Organics	% Carbonates	Median	Mean	Skew	Kurt	Sort	Sample Information	
JCVC-06-01 #1		-34.6	SW-SM	#200 - 11.21 #230 - 10.69			2.56	2.07	-2.1	6.99	1.26	Project Name:	Texas Geotechnical Sand Search
Comments:												Analysis Date:	10-19-06
Depths and elevations based on measured values												Analyzed By:	TF
						Coastal Planning & Engineering 2481 NW Boca Raton Blvd, Boca Raton FL 33431 ph (561) 391-8102 fax (561) 391-9116						Easting (X, ft):	3,537,543
												Northing (Y, ft):	13,758,425
												Horizontal System:	NAD 1983
												Vertical System:	MLLW