

DRILLING LOG		DIVISION South Atlantic	INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS
1. PROJECT Duval County FL BEC Borrow Area A			9. SIZE AND TYPE OF BIT See Remarks		
2. BORING DESIGNATION CB-DUC04-14			10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27 VERTICAL MLLW
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.			11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		
4. NAME OF DRILLER James F. Cole			12. TOTAL SAMPLES 4		
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			13. TOTAL NUMBER CORE BOXES 1		
6. THICKNESS OF OVERBURDEN N/A			14. ELEVATION GROUND WATER Tidal		
7. DEPTH DRILLED INTO ROCK N/A			15. DATE BORING 04-15-04		
8. TOTAL DEPTH OF BORING 19.6 Ft.			16. ELEVATION TOP OF BORING -49.5 Ft.		
			17. TOTAL RECOVERY FOR BORING 99 %		
			18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>		

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-49.5	0.0		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little fine-grained sand-sized carbonate, few silt, trace shell up to 2", weak reaction with HCl, wet, 5PB 7/1 light bluish gray (SP) At El. -50.2 Ft., occasional layers of clay up to 1/2"	100			Vibrocure		0
			At El. -53.5 Ft., strong reaction with HCl	100	1		Vibrocure		
			At El. -54.2 Ft., occasional layers of clay up to 1/2"	100			Vibrocure		5
			At El. -55.3 Ft., occasional layers of clay up to 1"						
			At El. -55.8 Ft., occasional layers of clay up to 2"	100	2		Vibrocure		
-58.5	9.0								
-58.7	9.2		CLAY, lean, low plasticity, soft, 5PB 7/1 light bluish gray (CL)	100			Vibrocure		
			SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, little fine-grained sand-sized carbonate, few silt, wet, 10R 5/4 weak red (SP-SM)						10
			At El. -61.5 Ft., 5PB 8/1 light bluish gray	100	3		Vibrocure		
			At El. -62.2 Ft., weak reaction with HCl						
-63.7	14.2			100			Vibrocure		
			SAND, silty, mostly fine-grained sand-sized quartz, little fine-grained sand-sized carbonate,						

DRILLING LOG (Cont. Sheet)			INSTALLATION			SHEET 2 OF 2 SHEETS																		
PROJECT			COORDINATE SYSTEM/DATUM		HORIZONTAL	VERTICAL																		
Duval County FL BEC			State Plane, FLE (U.S. Ft.)		NAD27	MLLW																		
LOCATION COORDINATES			ELEVATION TOP OF BORING																					
X = 415,920 Y = 2,186,364			-49.5 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-68.9	19.5		little silt, weak reaction with HCl, wet, 5B 5/1 bluish gray (SM)	100			-65.0 Vibracore																	
				100	4		-66.0 Vibracore																	
				97			Vibracore																	
-69.1							-69.1																	
<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>3.0/4.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.5/7.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>2 Specific Gravity</p>										SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	3.0/4.0	SP*	2	6.5/7.5	SP*	3	11.0/12.0	SP-SM*	4	15.5/16.5	SM*
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