

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District		SHEET 1 OF 2 SHEETS	
1. PROJECT Duval County FL BEC Borrow Area B1				9. SIZE AND TYPE OF BIT See Remarks			
2. BORING DESIGNATION CB-DUC04-47		LOCATION COORDINATES X = 412,945 Y = 2,179,398		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW
3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc.		CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
4. NAME OF DRILLER James F. Cole				12. TOTAL SAMPLES		DISTURBED 4	UNDISTURBED (UD) 0
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal	
6. THICKNESS OF OVERBURDEN N/A		7. DEPTH DRILLED INTO ROCK N/A		15. DATE BORING		STARTED 04-19-04	COMPLETED 04-19-04
8. TOTAL DEPTH OF BORING 18.9 Ft.				16. ELEVATION TOP OF BORING -51.3 Ft.		17. TOTAL RECOVERY FOR BORING 100 %	
				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
-51.3	0.0						-51.3		
			SAND, poorly-graded, mostly subangular fine to medium-grained sand-sized quartz, few silt, trace angular shell up to 1", strong reaction with HCl, wet, N 7/ light gray (SP)	100			Vibrocure		
-53.3	2.0						-53.8		
			SHELL, mostly angular medium to coarse-grained sand-sized shell up to 2", little fine-grained sand-sized quartz, trace silt, wet, N 5/ gray	100	1		Vibrocure		
							-54.8		
-56.3	5.0			100			Vibrocure		
			SAND, poorly-graded with silt, mostly fine to medium-grained sand-sized quartz, few silt, trace angular shell up to 1", wet, N 5/ gray (SP-SM)				-57.8		
				100	2		Vibrocure		
							-58.8		
				100			Vibrocure		
							-64.3		
				100	3		Vibrocure		
				100			Vibrocure		
							-65.3		
							Vibrocure		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
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ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-70.2	18.9			100			Vibracore																	
				100	4		Vibracore																	
				100			Vibracore																	
			NOTES:																					
			1. Soils are field visually classified in accordance with the Unified Soils Classification System.																					
			2. Laboratory Testing Results																					
			<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>2.5/3.5</td> <td>SP-SM*</td> </tr> <tr> <td>2</td> <td>6.5/7.5</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>13.0/14.0</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SP-SM*</td> </tr> </tbody> </table>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.5/3.5	SP-SM*	2	6.5/7.5	SP-SM*	3	13.0/14.0	SP-SM*	4	16.0/17.0	SP-SM*						
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3	13.0/14.0	SP-SM*																						
4	16.0/17.0	SP-SM*																						
			*Lab visual classification based on gradation curve. No Atterberg limits.																					
			3. Additional Laboratory Testing																					
			2 Specific Gravity																					