

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-DUC04-10		LOCATION COORDINATES X = 416,241 Y = 2,187,399		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				DEG. FROM VERTICAL		BEARING			
6. THICKNESS OF OVERBURDEN N/A				13. TOTAL NUMBER CORE BOXES 1		14. ELEVATION GROUND WATER Tidal			
7. DEPTH DRILLED INTO ROCK N/A				15. DATE BORING		STARTED 04-15-04	COMPLETED 04-15-04		
8. TOTAL DEPTH OF BORING 19.4 Ft.				16. ELEVATION TOP OF BORING -54.3 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
-54.3	0.0		SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, trace silt, trace shell up to 1/2", strong reaction with HCl, wet, 10B 6/1 bluish gray (SP-SM)	100			-54.3		
				100	1		Vibrocure		
							-55.8		
							-56.8		
				100			Vibrocure		
-59.3	5.0		SHELL, mostly angular medium to coarse-grained sand-sized shell up to 1-1/2", little subangular fine-grained sand-sized carbonate, little silt, strong reaction with HCl, wet, 10B 6/1 bluish gray	100	2		-59.8		
							-60.8		
-62.7	8.4		SAND, silty, mostly subrounded medium-grained sand-sized quartz, little silt, few shell up to 1-1/4", wet, 5B 4/1 dark bluish gray (SM)	100			Vibrocure		
			From El. -64.3 to -66.3 Ft., moderate cementation, 10B 5/1 bluish gray				-66.3		
			At El. -66.3 Ft., mostly subrounded medium-grained sand-sized quartz up to 1-1/2", strong cementation	100	3		Vibrocure		
				100			-67.3		
							-68.3		
			At El. -68.3 Ft., weak cementation, 2.5Y 4/3 olive brown	100	4		Vibrocure		
							-69.3		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																	
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LOCATION COORDINATES X = 416,241 Y = 2,187,399			ELEVATION TOP OF BORING -54.3 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-73.6	19.3			98			Vibracore																
-73.7																							
			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>1.5/2.5</td> <td>SP-SM*</td> </tr> <tr> <td>2</td> <td>5.5/6.5</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>12.0/13.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>14.0/15.0</td> <td>SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 2 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP-SM*	2	5.5/6.5	SM*	3	12.0/13.0	SM*	4	14.0/15.0	SM*					
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