

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-DUC04-03		LOCATION COORDINATES X = 419,681 Y = 2,189,400		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			
7. DEPTH DRILLED INTO ROCK N/A				14. ELEVATION GROUND WATER		Tidal			
8. TOTAL DEPTH OF BORING 19.1 Ft.				15. DATE BORING		STARTED 04-17-04	COMPLETED 04-17-04		
				16. ELEVATION TOP OF BORING		-57.5 Ft.			
				17. TOTAL RECOVERY FOR BORING		93 %			
				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	ROD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-57.5	0.0						-57.5		
			SAND, silty, mostly subangular fine-grained sand-sized carbonate, some silt, trace angular coarse-grained sand-sized shell up to 1/2", strong reaction with HCl, wet, 2.5Y 6/8 olive yellow (SM)	100			Vibrocure		
				100	1		-59.5		
							Vibrocure		
				100			-60.5		
							Vibrocure		
			At El. -62.5 Ft., 2.5Y 8/1 white				-63.0		
				100	2		Vibrocure		
							-64.0		
			At El. -64.5 Ft., N 7/ light gray				Vibrocure		
				100			-68.0		
							Vibrocure		
				100	3		-69.0		
							Vibrocure		
				100					

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District		SHEET 2 OF 2 SHEETS																		
PROJECT Duval County FL BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	VERTICAL MLLW																	
LOCATION COORDINATES X = 419,681 Y = 2,189,400			ELEVATION TOP OF BORING -57.5 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
			At El. -73.5 Ft., 10Y 3/1 dark greenish gray	100	4		-73.0	Vibracore															
				100			-74.0	Vibracore															
-75.3	17.8			50				Vibracore															
-76.6	19.1	NR					-76.6																
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>2.0/3.0</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>5.5/6.5</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>10.5/11.5</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</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	2.0/3.0	SM*	2	5.5/6.5	SM*	3	10.5/11.5	SM*	4	15.5/16.5	SM*						
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