

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-DUC04-36		LOCATION COORDINATES X = 415,383 Y = 2,181,268		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 4		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				15. DATE BORING 04-18-04		STARTED 04-18-04 COMPLETED 04-18-04			
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -53.0 Ft.		17. TOTAL RECOVERY FOR BORING 99 %			
8. TOTAL DEPTH OF BORING 19.7 Ft.				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
-53.0	0.0	[Pattern]	SAND, poorly-graded, mostly subangular to subrounded fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/2", weak reaction with HCl, wet, N 7/ light gray (SP)	100	1		-53.0		
							Vibrocure		
							Vibrocure		
				100			-55.0		
				100			Vibrocure		
-59.0	6.0	[Pattern]	SAND, poorly-graded with silt, mostly fine-grained sand-sized carbonate, trace clay, trace angular shell up to 1/2", strong reaction with HCl, wet, N 8/ white (SP-SM)	100	2		-59.0		
							Vibrocure		
							Vibrocure		
				100			-60.0		
				100			Vibrocure		
-64.0	11.0	[Pattern]	SAND, silty, mostly fine-grained sand-sized quartz, trace clay, trace angular shell up to 1/2", weak reaction with HCl, wet, N 7/ light gray (SM)	100	3		-64.5		
							Vibrocure		
							Vibrocure		
				100			-65.5		
-66.0	13.0	[Pattern]	SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, trace silt, trace angular shell up to 1/4", weak reaction with HCl, wet, N 7/ light gray (SP-SM)	100			Vibrocure		
							Vibrocure		
							Vibrocure		

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 = 415,383 Y = 2,181,268			ELEVATION TOP OF BORING -53.0 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-72.5	19.5			100			Vibracore																	
-72.7	19.7			100	4		Vibracore																	
				93			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>1.0/2.0</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>11.5/12.5</td> <td>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	1.0/2.0	SP*	2	6.0/7.0	SP-SM*	3	11.5/12.5	SM*	4	16.0/17.0	SP-SM*						
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1	1.0/2.0	SP*																						
2	6.0/7.0	SP-SM*																						
3	11.5/12.5	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																					