

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-DUC04-21		LOCATION COORDINATES X = 416,156 Y = 2,184,338		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 19.8 Ft.				16. ELEVATION TOP OF BORING -51.3 Ft.		17. TOTAL RECOVERY FOR BORING 91 %	
				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 fine-grained sand-sized quartz, trace silt, wet, N 8/ white (SP)	100			-51.8	Vibrocure	
-52.8	1.5			100	1		-52.8	Vibrocure	
-53.8	2.5		SAND, clayey, nonplastic, mostly sand, some shell, strong reaction with HCl, occasional layers of clay up to 2", N 8/ white (SC)						
-55.5	4.2		SAND, poorly-graded, mostly fine-grained sand-sized quartz, some angular shell up to 2", trace silt, strong reaction with HCl, N 8/ white (SP)	100				Vibrocure	
-56.8	5.5		CLAY, lean, medium plasticity, very soft, trace angular shell up to 2", strong reaction with HCl, embedded with 5 GY 4/1 lense, N 8/ white (CL)				-56.8		
			SAND, poorly-graded, mostly fine-grained sand-sized quartz, trace angular shell up to 2", strong reaction with HCl, embedded with 5 GY 4/1 lense, N 7/ light gray (SP)	100	2		-57.8	Vibrocure	
			At El. -59.8 Ft., trace clay, trace silt, strong reaction with HCl, N 7/ light gray	100				Vibrocure	
			From El. -62.3 to -71.3 Ft., trace silt, wet, N 8/ white	100	3		-62.3	Vibrocure	
				100			-63.3	Vibrocure	
								Vibrocure	

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																				
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ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-69.4	18.1	NR		100			-66.8 Vibracore																
				100	4		-67.8 Vibracore																
				48			Vibracore																
-71.1	19.8						-71.1																
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>0.5/1.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>5.5/6.5</td> <td>SP*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SP*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SP*</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	0.5/1.5	SP*	2	5.5/6.5	SP*	3	11.0/12.0	SP*	4	15.5/16.5	SP*						
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