

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-DUC04-38		LOCATION COORDINATES X = 412,650 Y = 2,181,285		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 0			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		DEG. FROM VERTICAL		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 04-18-04		STARTED 04-18-04			
8. TOTAL DEPTH OF BORING 19.1 Ft.				16. ELEVATION TOP OF BORING -53.1 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
-53.1	0.0						-53.1		
			SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace silt, trace angular shell up to 1", weak reaction with HCl, wet, N 7/ light gray (SP)	100			Vibrocure		
-54.6	1.5			100	1		Vibrocure		
			SHELL, mostly angular medium to coarse-grained sand-sized shell up to 2", little fine-grained sand-sized quartz, little silt, strong reaction with HCl, wet, 2.5Y 7/6 yellow						
-56.1	3.0			100			Vibrocure		
			SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace angular sand to gravel-sized shell up to 1/2", weak reaction with HCl, wet, N 6/ gray (SP-SM)						
				100	2		Vibrocure		
				100			Vibrocure		
				100	3		Vibrocure		
				100			Vibrocure		
			At El. -65.1 Ft., weak cementation						

<b>DRILLING LOG (Cont. Sheet)</b>		<b>INSTALLATION</b> Jacksonville District		<b>SHEET 2</b> <b>OF 2 SHEETS</b>	
<b>PROJECT</b> Duval County FL BEC		<b>COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)		<b>HORIZONTAL</b> NAD27	<b>VERTICAL</b> MLLW
<b>LOCATION COORDINATES</b> X = 412,650 Y = 2,181,285		<b>ELEVATION TOP OF BORING</b> -53.1 Ft.			

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
				100			Vibracore																	
				100	4		-69.6 Vibracore																	
				100			-70.6 Vibracore																	
-72.2	19.1						-72.2																	
			NOTES:  1. Soils are field visually classified in accordance with the Unified Soils Classification System.  2. Laboratory Testing Results <table><tr><td>SAMPLE ID</td><td>SAMPLE DEPTH</td><td>LABORATORY CLASSIFICATION</td></tr><tr><td>1</td><td>1.0/2.0</td><td>SP*</td></tr><tr><td>2</td><td>7.0/8.0</td><td>SP-SM*</td></tr><tr><td>3</td><td>11.0/12.0</td><td>SP-SM*</td></tr><tr><td>4</td><td>16.5/17.5</td><td>SP-SM*</td></tr></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	1.0/2.0	SP*	2	7.0/8.0	SP-SM*	3	11.0/12.0	SP-SM*	4	16.5/17.5	SP-SM*						
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