

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-DUC04-13		LOCATION COORDINATES X = 417,072 Y = 2,186,850		10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD27	
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 04-16-04		STARTED 04-16-04	
8. TOTAL DEPTH OF BORING 11.9 Ft.				16. ELEVATION TOP OF BORING -55.5 Ft.		COMPLETED 04-16-04	
				17. TOTAL RECOVERY FOR BORING 83 %			
				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
-55.5	0.0		SAND, poorly-graded with silt, mostly subrounded medium-grained sand-sized quartz, trace silt, trace angular shell up to 1", strong reaction with HCl, wet, 10YR 5/1 gray (SP-SM)	100			-55.5
				100	1		Vibrocure
				100			-57.0
				100			Vibrocure
				100			-58.0
				100			Vibrocure
-59.5	4.0		SAND, silty, mostly fine-grained sand-sized quartz, weak reaction with HCl, wet, 5Y 8/1 white (SM)	100	2		-59.5
			At El. -60.5 Ft., 10YR 6/4 light yellowish brown	100			Vibrocure
				100	3		-60.5
				100			Vibrocure
				100			-61.5
				100			Vibrocure
				100			-62.5
				100			Vibrocure
				100			-63.5
				100	4		Vibrocure
				100			-64.5
-65.4	9.9		At El. -64.5 Ft., strong cementation, 10YR 6/1 gray				
			At El. -65.0 Ft., 10YR 5/4 yellowish brown				
		NR		31			Vibrocure
-67.4	11.9						-67.4
NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Refusal Met At -11.9 Ft. After 2 Attempts To Penetrate.							

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 = 417,072 Y = 2,186,850			ELEVATION TOP OF BORING -55.5 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
			3. 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>4.0/5.0</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>6.0/7.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>8.0/9.0</td> <td>SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> 4. Additional Laboratory Testing 4 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.5/2.5	SP-SM*	2	4.0/5.0	SM*	3	6.0/7.0	SM*	4	8.0/9.0	SM*						
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