

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-DUC04-05		LOCATION COORDINATES X = 418,698    Y = 2,189,027		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 Vibracore		<input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	UNDISTURBED (UD)
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		BEARING		13. TOTAL NUMBER CORE BOXES      1	
6. THICKNESS OF OVERBURDEN      N/A				14. ELEVATION GROUND WATER      Tidal		15. DATE BORING	
7. DEPTH DRILLED INTO ROCK      N/A				16. ELEVATION TOP OF BORING      -54.9 Ft.		17. TOTAL RECOVERY FOR BORING      100 %	
8. TOTAL DEPTH OF BORING      19.1 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i>		19. DATE OF LOGGING      04-17-04	

ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-54.9	0.0						-54.9		
		CLAY	CLAY, lean, medium plasticity, very soft, few silt, trace subrounded fine-grained sand-sized quartz, wet, weak cementation, organic odor, 10Y 6/1 greenish gray (CL)	100			Vibracore		
-56.9	2.0		SAND, silty, mostly subrounded fine-grained sand-sized carbonate, little silt, few fine-grained sand-sized quartz, strong reaction with HCl, moist, weak cementation, N 7/ light gray (SM)	100	1		-57.4 Vibracore		
				100			-58.4 Vibracore		
				100			-60.4 Vibracore		
			At El. -59.9 Ft., some fine-grained sand-sized quartz, few silt, trace angular shell up to 1", 2.5Y 8/4 pale yellow	100	2		-61.4 Vibracore		
				100			Vibracore		
							-66.9 Vibracore		
			At El. -66.9 Ft., 5Y 4/2 olive gray	100	3		-67.9 Vibracore		
			At El. -67.9 Ft., moderate cementation	100			Vibracore		

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 2 SHEETS																		
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LOCATION COORDINATES X = 418,698 Y = 2,189,027			ELEVATION TOP OF BORING -54.9 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-74.0	19.1			100			Vibracore																	
				100	4		Vibracore																	
				100			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>2.5/3.5</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>5.5/6.5</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>12.0/13.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>16.5/17.5</td> <td>SM*</td> </tr> </tbody> </table>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.5/3.5	SM*	2	5.5/6.5	SM*	3	12.0/13.0	SM*	4	16.5/17.5	SM*						
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			*Lab visual classification based on gradation curve. No Atterberg limits.																					
			3. Additional Laboratory Testing																					
			3 Specific Gravity																					