

## Boring Designation CB-DUC04-45

<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Jacksonville District		<b>SHEET 1</b> OF 2 SHEETS
<b>1. PROJECT</b> Duval County FL BEC Borrow Area B1			<b>9. SIZE AND TYPE OF BIT</b> See Remarks		
<b>2. BORING DESIGNATION</b> CB-DUC04-45		<b>LOCATION COORDINATES</b> X = 416,598 Y = 2,179,336		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)	
<b>3. DRILLING AGENCY</b> Alpine Ocean Seismic Survey, Inc.		<b>CONTRACTOR FILE NO.</b>		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Vibracore	
<b>4. NAME OF DRILLER</b> James F. Cole		<b>12. TOTAL SAMPLES</b>		<b>DISTURBED</b> 4	<b>UNDISTURBED (UD)</b> 0
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		<b>DEG. FROM VERTICAL</b>	<b>BEARING</b>	<b>13. TOTAL NUMBER CORE BOXES</b> 1	
<b>6. THICKNESS OF OVERBURDEN</b> N/A		<b>14. ELEVATION GROUND WATER</b> Tidal		<b>15. DATE BORING</b> STARTED 04-19-04 COMPLETED 04-19-04	
<b>7. DEPTH DRILLED INTO ROCK</b> N/A		<b>16. ELEVATION TOP OF BORING</b> -56.3 Ft.		<b>17. TOTAL RECOVERY FOR BORING</b> 100 %	
<b>8. TOTAL DEPTH OF BORING</b> 19.1 Ft.		<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> 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
-56.3	0.0						-56.3		
			SAND, silty, mostly subrounded medium to coarse-grained sand-sized quartz, some fine to medium-grained sand-sized carbonate, trace angular shell up to 1", wet, N 8/ white (SM)	100			Vibracore		
				100	1		-58.3 -59.3 Vibracore		
				100			Vibracore		
				100	2		-63.3 -64.3 Vibracore		
				100			Vibracore		
				100	3		-67.3 -68.3 Vibracore		
				100			Vibracore		

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 = 416,598 Y = 2,179,336			ELEVATION TOP OF BORING -56.3 Ft.																					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	RQD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE															
-75.4	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>2.0/3.0</td> <td>SM*</td> </tr> <tr> <td>2</td> <td>7.0/8.0</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>11.0/12.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>16.0/17.0</td> <td>SM*</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	2.0/3.0	SM*	2	7.0/8.0	SM*	3	11.0/12.0	SM*	4	16.0/17.0	SM*						
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