

<b>DRILLING LOG</b>		<b>DIVISION</b> South Atlantic	<b>INSTALLATION</b> Jacksonville District	<b>SHEET 1</b> <b>OF 2 SHEETS</b>
<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-DUC04-41			<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)	
<b>LOCATION COORDINATES</b> X = 415,567 Y = 2,180,333			<b>HORIZONTAL</b> NAD27 <b>VERTICAL</b> MLLW	
<b>3. DRILLING AGENCY</b> Alpine Ocean Seismic Survey, Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Vibracore	
<b>CONTRACTOR FILE NO.</b>			<input type="checkbox"/> <b>AUTO HAMMER</b> <input type="checkbox"/> <b>MANUAL HAMMER</b>	
<b>4. NAME OF DRILLER</b> James F. Cole			<b>12. TOTAL SAMPLES</b> 4	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> <b>VERTICAL</b> <input type="checkbox"/> <b>INCLINED</b>			<b>13. TOTAL NUMBER CORE BOXES</b> 1	
<b>DEG. FROM VERTICAL</b>			<b>14. ELEVATION GROUND WATER</b> Tidal	
<b>BEARING</b>			<b>15. DATE BORING</b> 04-18-04	
<b>6. THICKNESS OF OVERBURDEN</b> N/A			<b>16. ELEVATION TOP OF BORING</b> -54.5 Ft.	
<b>7. DEPTH DRILLED INTO ROCK</b> N/A			<b>17. TOTAL RECOVERY FOR BORING</b> 92 %	
<b>8. TOTAL DEPTH OF BORING</b> 19.4 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	RQD OR UD	REMARKS	BLOWS/1 FT.	N-VALUE
-54.5	0.0						-54.5		
			SAND, poorly-graded with silt, mostly subangular fine-grained sand-sized quartz, little fine-grained sand-sized carbonate, trace angular shell up to 1/2", weak reaction with HCl, wet, 5B 4/1 dark bluish gray (SP-SM)	100			Vibracore		
				100	1		Vibracore		
				100			Vibracore		
				100			Vibracore		
				100			Vibracore		
				100	2		Vibracore		
			At El. -61.5 Ft., mostly subangular fine to medium-grained sand-sized quartz, few silt, 10YR 5/1 gray	100			Vibracore		
				100	3		Vibracore		
				100			Vibracore		
				100	4		Vibracore		
				100			Vibracore		

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																				
X = 415,567 Y = 2,180,333			-54.5 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-72.3	17.8	NR	At El. -72.0 Ft., weak cementation, 5Y 4/3 olive	64			Vibracore																
-73.9	19.4						-73.9																
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Laboratory Testing Results</p> <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>1.0/2.0</td> <td>SP-SM*</td> </tr> <tr> <td>2</td> <td>6.0/7.0</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>10.5/11.5</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>14.0/15.0</td> <td>SP-SM*</td> </tr> </tbody> </table> <p>*Lab visual classification based on gradation curve. No Atterberg limits.</p> <p>3. Additional Laboratory Testing</p> <p>3 Specific Gravity</p>	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	1.0/2.0	SP-SM*	2	6.0/7.0	SP-SM*	3	10.5/11.5	SP-SM*	4	14.0/15.0	SP-SM*					
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