

<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 A			<b>9. SIZE AND TYPE OF BIT</b> See Remarks		
<b>2. BORING DESIGNATION</b> CB-DUC04-12		<b>LOCATION COORDINATES</b> X = 419,725 Y = 2,187,346		<b>10. COORDINATE SYSTEM/DATUM</b> State Plane, FLE (U.S. Ft.)	<b>HORIZONTAL</b> NAD27 <b>VERTICAL</b> MLLW
<b>3. DRILLING AGENCY</b> Alpine Ocean Seismic Survey, Inc.		<b>CONTRACTOR FILE NO.</b>		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Vibracore <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
<b>4. NAME OF DRILLER</b> James F. Cole			<b>12. TOTAL SAMPLES</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>6. THICKNESS OF OVERBURDEN</b> N/A			<b>13. TOTAL NUMBER CORE BOXES</b> 1		<b>14. ELEVATION GROUND WATER</b> Tidal
<b>7. DEPTH DRILLED INTO ROCK</b> N/A			<b>15. DATE BORING</b> 04-17-04		<b>STARTED</b> 04-17-04 <b>COMPLETED</b> 04-17-04
<b>8. TOTAL DEPTH OF BORING</b> 19.8 Ft.			<b>16. ELEVATION TOP OF BORING</b> -53.0 Ft.		<b>17. TOTAL RECOVERY FOR BORING</b> 85 %
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> William H., 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
-53.0	0.0						-53.0		0
			SAND, silty, mostly fine-grained sand-sized quartz, little silt, few rounded shell up to 2", weak reaction with HCl, wet, 10Y 6/1 greenish gray (SM)	100			Vibracore		
				100	1		-55.5		
-56.5	3.5						Vibracore		
			CLAY, lean, low plasticity, very soft, some silt, trace fine-grained sand-sized quartz, weak reaction with HCl, wet, N 4/ dark gray (CL)	100			-56.5		5
							Vibracore		
-59.9	6.9						-61.0		
			SAND, silty, mostly subrounded medium-grained sand-sized quartz, little subrounded fine-grained sand-sized carbonate, trace silt, strong reaction with HCl, wet, 10Y 8/1 light greenish gray (SM)	100	2		Vibracore		
							-62.0		
			At El. -62.5 Ft., 2.5Y 8/2 pale yellow	100			Vibracore		10
							-65.0		
				100	3		Vibracore		
							-66.0		
				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 = 419,725 Y = 2,187,346			-53.0 Ft.																				
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE														
-69.8	16.8	NO RECOVERY		100	4		-68.5 Vibracore																
				100			-69.5 Vibracore																
-72.8	19.8			9			-72.8 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>8.0/9.0</td> <td>SM*</td> </tr> <tr> <td>3</td> <td>12.0/13.0</td> <td>SM*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 1 Specific Gravity	SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION	1	2.5/3.5	SM*	2	8.0/9.0	SM*	3	12.0/13.0	SM*	4	15.5/16.5	SM*					
SAMPLE ID	SAMPLE DEPTH	LABORATORY CLASSIFICATION																					
1	2.5/3.5	SM*																					
2	8.0/9.0	SM*																					
3	12.0/13.0	SM*																					
4	15.5/16.5	SM*																					