

Boring Designation CB-DUC03-45R

DRILLING LOG		DIVISION South Atlantic		INSTALLATION Jacksonville District			SHEET 1 OF 3 SHEETS		
1. PROJECT Duval County, FL, BEC Offshore Borrow Area				9. SIZE AND TYPE OF BIT 3" Vibracore					
2. BORING DESIGNATION CB-DUC03-45R				10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)			HORIZONTAL NAD83		
3. DRILLING AGENCY Athena Technologies				11. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies Vibracore System			VERTICAL MLLW		
4. NAME OF DRILLER G. Bonn				12. TOTAL SAMPLES 5			DISTURBED 0		
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES 4			UNDISTURBED (UD)		
6. THICKNESS OF OVERBURDEN N/A				14. ELEVATION GROUND WATER N/A			15. DATE BORING STARTED 08-04-03 COMPLETED 08-23-03		
7. DEPTH DRILLED INTO ROCK N/A				16. ELEVATION TOP OF BORING -48.2 Ft.			17. TOTAL RECOVERY FOR BORING 81 %		
8. TOTAL DEPTH OF BORING 26.0 Ft.				18. SIGNATURE AND TITLE OF INSPECTOR Julie Minton, Geologist					
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-48.2	0.0		SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, few medium to coarse-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 5Y 6/1 gray (SP)	100			-48.2		
				100	1		Vibracore		
				100			Vibracore		
			At El. -51.0 Ft., mostly fine-grained sand-sized quartz, trace shell	100			Vibracore		
				100	2		-51.7		
				100			Vibracore		
			At El. -54.2 Ft., mostly fine to medium-grained sand-sized quartz, little medium to coarse-grained sand-sized shell, 10Y 7/1 light greenish gray	100			-55.2		
			At El. -55.1 Ft., trace shell	100	1AJ		Vibracore		
				100			Vibracore		
-57.8	9.6		SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, few silt, trace shell, strong reaction with HCl, moist, 10Y 7/1 light greenish gray (SP-SM)	100	2AJ		-58.2		
				100			Vibracore		
-60.7	12.5		SAND, poorly-graded, mostly fine-grained sand-sized quartz, little medium to coarse-grained sand-sized shell, trace silt, strong reaction with HCl, moist, 10Y 6/1 greenish gray (SP)	100	3AJ		-61.2		
				61			Vibracore		
-62.8	14.6		SAND, silty, mostly fine-grained sand-sized quartz,						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District			SHEET 2 OF 3 SHEETS			
PROJECT Duval County, FL, BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83	VERTICAL MLW			
LOCATION COORDINATES X = 583,799 Y = 2,169,639			ELEVATION TOP OF BORING -48.2 Ft.						
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS	% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
-65.7	17.5		little silt, trace shell, strong reaction with HCl, moist, 5GY 5/1 greenish gray (SM)						
-69.3	21.1		CLAY, fat, high plasticity, soft, trace quartz, weak reaction with HCl, moist, 10GY 4/1 dark greenish gray (CH)	61			Vibracore		
-74.2	26.0	NO RECOVERY							
			<p>NOTES:</p> <p>1. Soils are field visually classified in accordance with the Unified Soils Classification System.</p> <p>2. Boring was completed through multiple attempts of the vibracore to reach the target depth. These multiple attempts were combined to produce the final boring log. Physical samples of each separate attempt were prepared under the original boring designations of CB-DUC03-45 and CB-DUC03-45AJ.</p> <p>3. X,Y data from initial drilling attempt (45) is used for 45R.</p> <p>4. Lab samples have a letter following the sample number which refers to the initial assigned hole number. Example: sample number 1AJ reflects sample 1 from hole AJ.</p> <p>5. Laboratory Testing Results</p> <p>SAMPLE SAMPLE LABORATORY</p>						

DRILLING LOG (Cont. Sheet)			INSTALLATION Jacksonville District				SHEET 3 OF 3 SHEETS			
PROJECT Duval County, FL, BEC			COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.)		HORIZONTAL NAD83		VERTICAL MLW			
LOCATION COORDINATES X = 583,799 Y = 2,169,639			ELEVATION TOP OF BORING -48.2 Ft.							
ELEV.	DEPTH	LEGEND	CLASSIFICATION OF MATERIALS		% REC.	BOX OR SAMPLE	ROD OR UD	REMARKS	BLOWS/ 1 FT.	N-VALUE
			ID	DEPTH	CLASSIFICATION					
			1	0.5/1.0	SP*					
			2	3.5/4.0	SP*					
			2AJ	10.0/10.5	SP*					
			3AJ	13.0/13.5	SP*					
			*Lab visual classification based on gradation curve. No Atterberg limits.							
			6. Additional Laboratory Testing							
			2 Specific Gravity							



