

Boring Designation SK-Area3-V10

DRILLING LOG		DIVISION Humiston & Moore Engineers		INSTALLATION Naples, FL		SHEET 1 OF 1 SHEETS	
1. PROJECT Sarasota County Public Works South Siesta Key Beach Restoration Project				9. SIZE AND TYPE OF BIT 3.0 In.			
2. BORING DESIGNATION SK-AREA3-V10				LOCATION COORDINATES X = 473,724 Y = 1,014,159		10. COORDINATE SYSTEM/DATUM HORIZONTAL: Florida State Plane West VERTICAL: NAD 1983 NAVD 88	
3. DRILLING AGENCY Athena Technologies, Inc.				CONTRACTOR FILE NO.		11. MANUFACTURER'S DESIGNATION OF DRILL <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER	
4. NAME OF DRILLER P. McClellan				12. TOTAL SAMPLES DISTURBED: 3 UNDISTURBED (UD)			
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				DEG. FROM VERTICAL		BEARING	
6. THICKNESS OF OVERBURDEN 0.0 Ft.				13. TOTAL NUMBER CORE BOXES			
7. DEPTH DRILLED INTO ROCK 0.0 Ft.				14. ELEVATION GROUND WATER -1.3 Ft.			
8. TOTAL DEPTH OF BORING 10.5 Ft.				15. DATE BORING STARTED: 01-15-14 08:14 COMPLETED: 01-15-14 08:29			
				16. ELEVATION TOP OF BORING -35.8 Ft.			
				17. TOTAL RECOVERY FOR BORING 9.8 Ft.			
				18. SIGNATURE AND TITLE OF INSPECTOR A. Freeze			

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-35.8	0.0					
-38.3	2.5		Fine quartz SAND, some medium sand size shell, poorly graded, subangular, gray (5Y-6/1), (SP).		A3-V10-1	Sample #A3-V10-1, Depth = 0.0' - 3.5' Mean (mm): 0.27, Phi Sorting: 1.07 Carbonate: 58.9%, Fines (230): 1.06% (SP)
-39.3	3.5		SHELL, fine to medium sand size, some fine quartz sand, poorly graded, subangular, gray (5Y-5/1), (SP).			
-41.6	5.8		Fine quartz SAND, few fine sand size shell, trace silt, poorly graded, subangular, 5.65 - 5.8' = Gray (5Y 5/1)SHELL layer, fine to medium sand size, gray (5Y-6/1), (SP).		A3-V10-2	Sample #A3-V10-2, Depth = 3.5' - 5.8' Mean (mm): 0.18, Phi Sorting: 1.02 Shell: 13%, Fines (230): 2.03% (SP)
-41.7	5.9		Silty fine quartz SAND, little silt/fine sand size shell, subangular, gray (5Y-6/1), (SM).			
-41.8	6.0		SHELL, fine to medium sand size, little fine quartz sand, poorly graded, subangular, gray (5Y-5/1), (SP).			
-44.4	8.6		Silty fine quartz SAND, little silt, little fine sand size shell, few silt, subangular, bioturbated, 6.0 - 6.2' and 6.65 - 6.8' = intact shell layers, light gray (5Y-7/2), (SM).		A3-V10-3	Sample #A3-V10-3, Depth = 5.8' - 8.6' Mean (mm): 0.34, Phi Sorting: 2.37 Shell: 28%, Fines (230): 12.05% (SM)
-45.6	9.8		Silty fine quartz SAND, some coarse sand to fine gravel size shell, little silt, subangular, partially cemented at base, gray (5Y-5/1), (SM).			
			End of Boring			

FLORIDA DEP ROSS SIESTA KEY 2-27-14.GPJ FL DEP ROSS.GDT 2/27/14