

# Boring Designation SK-Area1-V02

<b>DRILLING LOG</b>		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-AREA1-V02				10. COORDINATE SYSTEM/DATUM Florida State Plane West		HORIZONTAL NAD 1983	
3. DRILLING AGENCY Athena Technologies, Inc.				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 3		DISTURBED UNDISTURBED (UD)	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				13. TOTAL NUMBER CORE BOXES		14. ELEVATION GROUND WATER -0.3 Ft.	
6. THICKNESS OF OVERBURDEN 0.0 Ft.				15. DATE BORING		STARTED 01-10-14 09:43	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.				16. ELEVATION TOP OF BORING -42.3 Ft.		COMPLETED 01-10-14 09:58	
8. TOTAL DEPTH OF BORING 11.8 Ft.				17. TOTAL RECOVERY FOR BORING 11.3 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
-42.3	0.0					
-43.3	1.0		Fine quartz SAND, little fine sand size shell, poorly graded, subangular, light gray (5Y-7/1), (SP).		A1-V2-1	Sample #A1-V2-1, Depth = 0.0' - 2.6' Mean (mm): 0.23, Phi Sorting: 1.05 Carbonate: 55.8%, Fines (230): 1.41% (SP)
-44.9	2.6		SHELL, fine to medium sand size, some fine quartz sand, poorly graded, subangular, gray (5Y-6/1), (SP).		A1-V2-2	Sample #A1-V2-2, Depth = 2.6' - 7.0' Mean (mm): 0.16, Phi Sorting: 1.29 Shell: 19%, Fines (230): 10.23% (SM)
			Silty fine quartz SAND, little silt, little fine to medium sand size shell, bioturbated, silt percent increases with depth, gravel size shell/serpentine wormrock/phosphate present, 4.65' = (5Y 6/1, Gray) SILT, little fine quartz sand, soft, light olive gray (5Y-6/2), (SM).		A1-V2-3	Sample #A1-V2-3, Depth = 7.0' - 10.8' Mean (mm): 0.31, Phi Sorting: 1.82 Shell: 34%, Fines (230): 8.97% (SM)
-53.1	10.8					
-53.6	11.3		Cemented clastic and shell GRAVEL, little fine quartz sand, few silt, light olive gray (5Y-6/2), (GW-GM).			
			End of Boring			

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