

# Boring Designation SK-Area4-V01

<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-AREA4-V01				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 0.4 Ft.	
6. THICKNESS OF OVERBURDEN 0.0 Ft.				15. DATE BORING		STARTED 01-10-14 16:34 COMPLETED 01-10-14 16:49	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.				16. ELEVATION TOP OF BORING -37.7 Ft.		17. TOTAL RECOVERY FOR BORING 10.8 Ft.	
8. TOTAL DEPTH OF BORING 12.1 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	
-37.7	0.0						0
-41.6	3.9		SHELL, medium sand size, few fine quartz sand, poorly graded, subangular, dark gray (5Y-4/1), (SP).		A4-V1-1 A4-V1-1 Post	Sample #A4-V1-1, Depth = 0.0' - 3.9' Mean (mm): 0.39, Phi Sorting: 0.86 Carbonate: 85.3%, Fines (230): 1.41% (SP)  Sample #A4-V1-1 Post, Depth = 0.0' - 3.9' Mean (mm): 0.17, Phi Sorting: 0.52 Fines (230): 0.05%	
-44.7	7.0		Fine quartz SAND, few silt, trace fine sand size shell, subangular, bioturbated, 5.25' and 6.6' = intact shells, light olive gray (5Y-6/2), (SP-SM).		A4-V1-2	Sample #A4-V1-2, Depth = 3.9' - 7.0' Mean (mm): 0.18, Phi Sorting: 1.57 Shell: 11%, Fines (230): 7.32% (SP-SM)	5
-47.5	9.8		Silty fine quartz SAND, little silt, trace fine sand size shell, subangular, bioturbated, light olive gray (5Y-6/2), (SM).		A4-V1-3	Sample #A4-V1-3, Depth = 7.0' - 9.8' Mean (mm): 0.17, Phi Sorting: 1.49 Shell: 12%, Fines (230): 12.76% (SM)	
-48.5	10.8		Silty fine quartz SAND, little silt/fine sand size shell, subangular, bioturbated, light gray (5Y-7/2), (SM).				10
			End of Boring				15

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