

# Boring Designation SK-Area4-V05

<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-V05				LOCATION COORDINATES X = 458,505 Y = 1,021,305		10. COORDINATE SYSTEM/DATUM Florida State Plane West	
3. DRILLING AGENCY Athena Technologies, Inc.				CONTRACTOR FILE NO.		HORIZONTAL NAD 1983	
4. NAME OF DRILLER P. McClellan				11. MANUFACTURER'S DESIGNATION OF DRILL		VERTICAL NAVD 88	
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED				DEG. FROM VERTICAL		BEARING	
6. THICKNESS OF OVERBURDEN 0.0 Ft.				12. TOTAL SAMPLES		DISTURBED 2	
7. DEPTH DRILLED INTO ROCK 0.0 Ft.				13. TOTAL NUMBER CORE BOXES		UNDISTURBED (UD)	
8. TOTAL DEPTH OF BORING 8.0 Ft.				14. ELEVATION GROUND WATER -0.3 Ft.		15. DATE BORING	
				16. ELEVATION TOP OF BORING -37.6 Ft.		STARTED 01-14-14 13:07	
				17. TOTAL RECOVERY FOR BORING 7.2 Ft.		COMPLETED 01-14-14 13:22	
				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
-37.6	0.0					
-41.5	3.9		SHELL, medium sand size, few fine quartz sand GRADING TO Gray (5Y 5/1) SHELL, fine to medium sand size, some fine quartz sand, poorly graded, subangular, dark gray (5Y-4/1), (SP).		A4-V5-1	Sample #A4-V5-1, Depth = 0.0' - 5.3' Mean (mm): 0.26, Phi Sorting: 1.05 Carbonate: 70.6%, Fines (230): 1.98% (SP)
-42.9	5.3		Fine quartz SAND, little fine sand size shell, few silt, poorly graded, subangular, gray (5Y-6/1), (SP-SM).			
-44.8	7.2		Silty fine quartz SAND, little silt, few fine sand size shell, subangular, bioturbated, 5.25 - 5.4' = fine sandy SILT (ML) layer, light olive gray (5Y-6/2), (SM).		A4-V5-2	Sample #A4-V5-2, Depth = 5.3' - 7.2' Mean (mm): 0.15, Phi Sorting: 0.96 Shell: 13%, Fines (230): 9.10% (SM)
			End of Boring			

FLORIDA DEP ROSS SIESTA KEY 2-27-14.GPJ FL DEP ROSS.GDT 3/3/14