

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b> <b>OF 1 SHEETS</b>
<b>1. PROJECT</b> AMI 2013 Sand Search Anna Maria Island, FL			<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.	
<b>2. BORING DESIGNATION</b> AMVC-13-09			<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane West	
<b>3. DRILLING AGENCY</b> Athena Technologies, Inc.			<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Electric	
<b>4. NAME OF DRILLER</b> Palmer McLellan			<b>12. TOTAL SAMPLES</b> DISTURBED UNDISTURBED (UD)	
<b>5. DIRECTION OF BORING</b> <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED			<b>13. TOTAL NUMBER CORE BOXES</b>	
<b>6. THICKNESS OF OVERBURDEN</b> 0.0 Ft.			<b>14. ELEVATION GROUND WATER</b>	
<b>7. DEPTH DRILLED INTO ROCK</b> 0.0 Ft.			<b>15. DATE BORING</b> 01-24-13 09:19	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -10.9 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 19.5 Ft.	
			<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> LC	

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-10.9	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-13.3	2.4		SAND, some shell hash, trace shell fragments, trace silt, shell frags up to 1.75", light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 1.0' Mean (mm): 0.30, Phi Sorting: 1.18 Fines (230): 0.64% (SW)
-15.5	4.6		SAND, trace shell fragments, trace shell hash, trace silt, shell frags up to 0.5", 1.0" whole shell @ 4.8', white (5Y-8/1), (SP).		2	Sample #2, Depth = 3.4' Mean (mm): 0.18, Phi Sorting: 0.58 Fines (230): 1.08% (SP)
-16.1	5.2		SAND, some shell hash, trace shell fragments, trace silt, shell frags up to 0.5", 0.5" whole shell @ 4.7', light gray (5Y-7/1), (SW).		1	
-16.9	6.0		SHELL HASH, some sand, trace shell fragments, shell frags up to 0.5", 2.0" whole shell @ 5.5', gray (5Y-6/1), (GW).		VC8 S#5	
-18.0	7.1		SAND, little shell hash, trace shell fragments, trace silt, shell frags up to 1.5", light gray (5Y-7/1), (SP).		2	Sample #3, Depth = 8.0' Mean (mm): 0.52, Phi Sorting: 1.55 Fines (230): 1.05% (SW)
-19.1	8.2		SHELL HASH, some sand, trace shell fragments, shell frags up to 0.75", 1.0" whole shell @ 7.4', gray (2.5Y-6/1), (GW).		3	Sample #4, Depth = 8.5' Mean (mm): 0.19, Phi Sorting: 0.85 Fines (230): 1.67% (SP)
-19.6	8.7		SAND, trace shell fragments, shell frags up to 0.5", (2.5"x0.5") silt pocket @ 8.8', olive gray (5Y-5/2), (SP).		4	
-20.2	9.3		SHELL HASH, some sand, trace shell fragments, shell frags up to 0.5", light gray (5Y-7/1), (SW).		3	
-22.2	11.3		SHELL HASH, some shell fragments, little sand, shell frags up to 1.0", 2.0" whole shell @ 9.7', gray (5Y-5/1), (GW).		VC8 S#5	
-24.2	13.3		SAND, trace shell hash, trace silt, 0.5" clayey pocket @ 12.4', gray (2.5Y-6/1), (SP).		5	Sample #5, Depth = 12.2' Mean (mm): 0.14, Phi Sorting: 0.37 Fines (230): 1.49% (SP)
-24.8	13.9		SAND, trace silt, (3.0"x0.5") silty pocket @ 13.4', (3.0"x2.0") pocket of shell frags up to 0.5" @ 13.9', gray (2.5Y-5/1), (SW).		6	Sample #6, Depth = 13.6' Mean (mm): 0.16, Phi Sorting: 0.99 Fines (230): 2.73% (SW)
-26.8	15.9		SAND, some silt, trace shell fragments, trace shell hash, trace whole shell, gray (5Y-5/1), (SM).			
-27.2	16.3		Silty SAND, little shell fragments, trace rock fragments, rock frags up to 2.0", gray (2.5Y-6/1), (GW).			
-27.7	16.8		Clayey SAND, little shell fragments, olive gray (5Y-4/2), (SC).			
-29.2	18.3		SAND, some silt, trace shell fragments, light gray (2.5Y-7/1), (SM).			
-29.8	18.9		Silty SAND, fine grained, quartz, some shell hash, gray (5Y-5/1), (SM).			
-30.4	19.5		SAND, some silt, trace shell fragments, trace whole shell, light gray (5Y-7/1), (SM).			
-30.9	20.0		No Recovery.			