

<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-13-26			<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> 01-25-13 12:45	
<b>8. TOTAL DEPTH OF BORING</b> 20.0 Ft.			<b>16. ELEVATION TOP OF BORING</b> -9.9 Ft.	
			<b>17. TOTAL RECOVERY FOR BORING</b> 20 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
-9.9	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-12.8	2.9		SAND, fine grained, quartz, little shell hash, trace silt, silt distributed in silty pockets up to 0.25", 2.5" shell hash pocket @ 0.2', 0.75" whole shell @ 0.8', 1.0" shell frags @ 0.9' & 1.0', (1.0"x0.75") shell hash pocket @ 1.0', light gray (2.5Y-7/1), (SP).		1	Sample #1, Depth = 1.5' Mean (mm): 0.19, Phi Sorting: 0.71 Fines (230): 0.89% (SP)
-13.7	3.8		SAND, fine grained, quartz, trace shell hash, trace silt, 0.5" whole shell @ 3.3', white (5Y-8/1), (SP).		2	Sample #2, Depth = 3.3' Mean (mm): 0.20, Phi Sorting: 0.72 Fines (230): 1.35% (SP)
-14.2	4.3		Sandy SHELL HASH, little shell fragments, trace rock fragments, shell and rock frags up to 0.5", 2.0" shell frag @ 3.8', 1.5" rock frag @ 4.1', light gray (5Y-7/1), (GW).		VC22 S#2	
-16.2	6.3		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, trace whole shell, shell frags and whole shells up to 0.5", (2.0"x0.25") shell hash pocket @ 5.4', light gray (2.5Y-7/1), (SP).		1	
-17.8	7.9		SHELL FRAGMENTS, some shell hash, little sand, little whole shell, trace silt, shell frags and whole shells up to 2.0", (3.0"x1.25") shell hash pocket @ 7.1', (3.0"x1.25") organic silt pocket @ 7.6', gray (2.5Y-6/1), (GW).		VC27 S#4	
-19.5	9.6		SAND, fine grained, quartz, trace shell hash, trace silt, trace whole shell, whole shells up to 1.25", (3.0"x2.0") silty pocket @ 8.4', white (5Y-8/1), (SP).		2	Sample #3, Depth = 9.8' Mean (mm): 0.49, Phi Sorting: 1.49 Fines (230): 1.17% (SW)
-19.9	10.0		Shelly SAND, fine grained, quartz, trace shell fragments, trace silt, shell component is shell hash, shell frags up to 0.5", 1.0" rock frag @ 9.6', gray (5Y-6/1), (SW).		3	
-24.3	14.4		SAND, fine grained, quartz, trace organics, trace shell hash, trace silt, 1.0" silty pocket @ 10.5', (3.0"x2.0") silty pockets @ 13.7' & 14.3', (2.0"x0.75") clay pocket @ 13.5', gray (2.5Y-6/1), (SW).		4	Sample #4, Depth = 12.2' Mean (mm): 0.15, Phi Sorting: 0.99 Fines (230): 3.39% (SW)
-26.8	16.9		SAND, fine grained, quartz, little shell hash, trace rock fragments, trace silt, rock frags up to 2.75", gray (2.5Y-6/1), (GP).		5	Sample #5, Depth = 15.6' Mean (mm): 0.21, Phi Sorting: 0.75 Fines (230): 1.89% (SP)
-28.0	18.1		SAND, fine grained, quartz, trace shell hash, trace silt, 1.75" rock frag @ 17.4', (2) 0.5" rock frags @ 18.0', (1.5"x0.25") clayey pocket @ 17.4', light gray (5Y-7/1), (SP).			
-29.9	20.0		ROCK FRAGMENTS, little sand, trace shell fragments, trace silt, trace whole shell, rock frags up to 3.0", gray (2.5Y-6/1), (GW).			
			End of Boring			