


DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
1. PROJECT AMI 2013 Sand Search Anna Maria Island, FL				
2. BORING DESIGNATION AMVC-13-25		LOCATION COORDINATES X = 413,238 Y = 1,161,987		
3. DRILLING AGENCY Athena Technologies, Inc.		CONTRACTOR FILE NO.		
4. NAME OF DRILLER Palmer McLellan		9. SIZE AND TYPE OF BIT 3.0 In.		
5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED		10. COORDINATE SYSTEM/DATUM Florida State Plane West		
6. THICKNESS OF OVERBURDEN 0.0 Ft.		11. MANUFACTURER'S DESIGNATION OF DRILL Electric		
7. DEPTH DRILLED INTO ROCK 0.0 Ft.		12. TOTAL SAMPLES		
8. TOTAL DEPTH OF BORING 22.0 Ft.		13. TOTAL NUMBER CORE BOXES		
		14. ELEVATION GROUND WATER		
		15. DATE BORING 01-25-13 12:10		
		16. ELEVATION TOP OF BORING -8.3 Ft.		
		17. TOTAL RECOVERY FOR BORING 21.5 Ft.		
		18. SIGNATURE AND TITLE OF INSPECTOR LC		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-8.3	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-12.3	4.0		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell frags up to 0.75", light gray (5Y-7/1), (SW).		1	Sample #1, Depth = 2.0' Mean (mm): 0.26, Phi Sorting: 1.38 Fines (230): 1.01% (SW)
-13.1	4.8		SAND, fine grained, quartz, trace shell hash, trace silt, light gray (5Y-7/1), (SP).		2	Sample #2, Depth = 4.4' Mean (mm): 0.17, Phi Sorting: 0.53 Fines (230): 1.79% (SP)
-14.2	5.9		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell frags up to 1.5", 1.0" whole shell @ 5.4', light gray (5Y-7/1), (SW).		1	
-15.5	7.2		SAND, fine grained, quartz, trace clay, trace shell hash, trace silt, clay distributed in clayey pockets up to 0.5", 2.25" whole shell @ 6.6', white (5Y-8/1), (SP).		2	Sample #3, Depth = 7.6' Mean (mm): 0.31, Phi Sorting: 0.85 Fines (230): 0.93% (SP)
-16.5	8.2		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.25", 0.75" whole shell @ 7.9', light gray (5Y-7/1), (SP).		3	Sample #4, Depth = 9.5' Mean (mm): 0.45, Phi Sorting: 1.42 Fines (230): 1.01% (SW)
-17.4	9.1		SAND, fine grained, quartz, trace shell hash, trace silt, shell frags up to 0.25", 0.75" whole shell @ 7.9', light gray (5Y-7/1), (SP).		2	Sample #5, Depth = 11.0' Mean (mm): 1.12, Phi Sorting: 1.74 Fines (230): 1.44% (SW)
-18.4	10.1		SAND, fine grained, quartz, trace shell hash, trace silt, (1.0"x0.5") pocket of shell frags up to 0.5" @ 8.6', 0.25" silty pocket @ 8.3', white (5Y-8/1), (SP).		4	
-20.0	11.7		Shelly SAND, fine grained, quartz, trace shell fragments, trace silt, shell component is shell hash, shell frags up to 0.5", light gray (2.5Y-7/1), (SW).		5	
-20.5	12.2		SHELL, some sand, trace silt, trace whole shell, shell component is shell hash and shell frags up to 0.75", whole shells up to 1.0", 1.0" rock frag @ 11.0', gray (5Y-5/1), (GW).		1	
-21.0	12.7		SAND, fine grained, quartz, some shell hash, trace silt, light gray (5Y-7/1), (SW).		5	
-21.6	13.3		SHELL, some sand, trace silt, trace whole shell, shell component is shell hash and shell frags up to 0.75", whole shells up to 1.0", gray (5Y-5/1), (GW).			
-27.4	19.1		SAND, fine grained, quartz, little silt, trace shell hash, olive gray (5Y-5/2), (SM).			
-29.0	20.7		Silty SAND, fine grained, quartz, some organics, very dark grayish brown (2.5Y-3/2), (SM).			
-29.8	21.5		Silty SAND, fine grained, quartz, little organics, dark gray (5Y-4/1), (SM).			
-30.3	22.0		Silty SAND, fine grained, quartz, trace shell hash, gray (5Y-5/1), (SM).			
			No Recovery.			

FLORIDA DEP ROSS AMVC-13.GPJ FL DEP ROSS.GDT 4/26/13