


DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
1. PROJECT AMI 2013 Sand Search Anna Maria Island, FL				
2. BORING DESIGNATION AMVC-13-05		LOCATION COORDINATES X = 408,787 Y = 1,163,268		
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 <input type="checkbox"/> AUTO HAMMER Electric <input type="checkbox"/> MANUAL HAMMER		
7. DEPTH DRILLED INTO ROCK 0.0 Ft.		12. TOTAL SAMPLES DISTURBED UNDISTURBED (UD)		
8. TOTAL DEPTH OF BORING 21.0 Ft.		13. TOTAL NUMBER CORE BOXES		
		14. ELEVATION GROUND WATER		
		15. DATE BORING STARTED COMPLETED 01-23-13 14:11 01-23-13 14:13		
		16. ELEVATION TOP OF BORING -12.3 Ft.		
		17. TOTAL RECOVERY FOR BORING 20 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
-12.3	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-13.8	1.5		Sandy SHELL HASH, little shell fragments, trace silt, trace whole shell, whole shells and shell frags up to 0.75", light gray (2.5Y-7/1), (GW).		1	Sample #1, Depth = 0.7' Mean (mm): 0.56, Phi Sorting: 1.61 Fines (230): 0.76% (SW)
-15.3	3.0		SAND, fine grained, quartz, trace shell fragments, trace shell hash, trace silt, shell frags up to 0.25", silt distributed in pockets up to 0.25", 0.5" whole shell @ 1.9', (2.5"x0.25") shell hash pocket @ 2.5', light gray (5Y-7/1), (SW).		2	Sample #2, Depth = 2.2' Mean (mm): 0.19, Phi Sorting: 0.92 Fines (230): 1.27% (SW)
-17.0	4.7		SAND, fine grained, quartz, some shell hash, trace shell fragments, trace silt, shell frags up to 1.0", (3.0"x2.5") shell hash pocket @ 3.9', light gray (5Y-7/1), (SW).		3	Sample #3, Depth = 3.5' Mean (mm): 0.25, Phi Sorting: 1.23 Fines (230): 1.35% (SW)
-20.6	8.3		Sandy SHELL HASH, trace shell fragments, trace silt, trace whole shell, whole shells and shell frags up to 1.0", 1.5" rock frag @ 7.2', 1.75" shell frag @ 7.3', gray (2.5Y-6/1), (SW).		1	
-25.6	13.3		SAND, fine grained, quartz, trace clay, trace shell hash, trace silt, (3.0"x0.25") silty pockets @ 8.6' and 8.8', 0.15" organic pockets @ 10.9' and 11.6', 0.25" pocket of shell frags @ 12.2', (3.0"x1.0") shell hash pocket @ 13.2', (3.0"x1.5") clay pockets @ 12.8' and 13.3', gray (5Y-5/1), (SP).		4	Sample #4, Depth = 10.9' Mean (mm): 0.15, Phi Sorting: 0.68 Fines (230): 1.65% (SP)
-26.3	14.0		SAND, fine grained, quartz, trace shell hash, trace silt, 1.0" whole shell @ 13.7', (3.0"x1.5") shell hash pocket @ 13.9', gray (5Y-6/1), (SP).		5	Sample #5, Depth = 13.6' Mean (mm): 0.16, Phi Sorting: 0.58 Fines (230): 1.59% (SP)
-27.7	15.4		SAND, fine grained, quartz, trace shell hash, trace silt, (3.0"x1.5") clayey pocket @ 14.8', 2.0" pocket of shell hash and shell frags up to 0.75" @ 15.2', gray (2.5Y-6/1), (SP).		4	
-29.3	17.0		SAND, fine grained, quartz, trace shell hash, trace silt, 0.5" clay pocket @ 15.9', (3.0"x1.0") pocket of shell frags @ 16.2', (3.0"x2.0") whole shell @ 16.2', gray (2.5Y-6/1), (SP).			
-30.4	18.1		SAND, fine grained, quartz, some silt, little shell hash, trace clay, gray (5Y-5/1), (SM).			
-31.1	18.8		SAND, fine grained, quartz, little organics, trace silt, light gray (5Y-7/1), (SP).			
-32.3	20.0		SAND, fine grained, quartz, little organics, little silt, light gray (5Y-7/1) mottled with, dark gray (5Y-4/1), (SP).			
-33.3	21.0		No Recovery.			
			End of Boring			

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