


DRILLING LOG		DIVISION	INSTALLATION	SHEET 1
1. PROJECT AMI 2013 Sand Search Anna Maria Island, FL				
2. BORING DESIGNATION AMVC-13-12		LOCATION COORDINATES X = 410,269 Y = 1,162,089		
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		
DEG. FROM VERTICAL		HORIZONTAL NAD 1983		
BEARING		VERTICAL NAVD 88		
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		
8. TOTAL DEPTH OF BORING 20.0 Ft.		13. TOTAL NUMBER CORE BOXES		
		14. ELEVATION GROUND WATER		
		15. DATE BORING STARTED 01-24-13 10:44 COMPLETED 01-24-13 10:46		
		16. ELEVATION TOP OF BORING -13.2 Ft.		
		17. TOTAL RECOVERY FOR BORING 18.9 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
-13.2	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-14.4	1.2		SAND, fine grained, quartz, little shell hash, trace shell fragments, trace silt, shell frags up to 0.5", (3.0"x2.0") shell hash pocket @ 0.6', light gray (2.5Y-7/1), (SW).		1	Sample #1, Depth = 0.4' Mean (mm): 0.25, Phi Sorting: 1.18 Fines (230): 0.66% (SW)
-15.0	1.8				2	Sample #2, Depth = 1.4'
-15.4	2.2		Sandy SHELL HASH, trace shell fragments, trace whole shell, shell frags up to 1.0", whole shells up to 0.5", light gray (5Y-7/1), (SW).		3	Mean (mm): 0.56, Phi Sorting: 1.92 Fines (230): 0.98% (SW)
-16.3	3.1				4	Sample #3, Depth = 2.0'
-17.1	3.9				5	Mean (mm): 0.17, Phi Sorting: 0.65 Fines (230): 1.03% (SP)
			SAND, fine grained, quartz, trace shell hash, white (5Y-8/1), (SP).			Sample #4, Depth = 2.7'
			Shelly SAND, fine grained, quartz, trace shell fragments, shell component is shell hash, shell frags up to 0.5", 1.0" rock frag @ 2.5', white (5Y-8/1), (SW).		3	Mean (mm): 0.36, Phi Sorting: 1.73 Fines (230): 1.05% (SW)
-20.2	7.0					Sample #5, Depth = 3.5'
			SAND, fine grained, quartz, trace shell hash, white (5Y-8/1), (SW).			Mean (mm): 0.20, Phi Sorting: 0.97 Fines (230): 1.12% (SW)
			SAND, fine grained, quartz, trace shell hash, trace silt, trace whole shell, whole shells up to 1.0", silt distributed in pockets up to 0.5", (3.0"x2.0") shell hash pocket @ 6.7', white (5Y-8/1), (SP).		6	Sample #6, Depth = 8.1'
-22.2	9.0					Mean (mm): 1.21, Phi Sorting: 1.59 Fines (230): 1.93% (SW)
-23.1	9.9				7	Sample #7, Depth = 9.6'
			SHELL HASH, some sand, trace shell fragments, trace whole shell, shell frags and whole shells up to 1.0", (3.0"x1.0") clayey pocket @ 7.7", (2.5"x1.0") shell fragment @ 9.0', gray (2.5Y-6/1), (GW).			Mean (mm): 0.24, Phi Sorting: 0.59 Fines (230): 1.52% (SP)
-24.8	11.6				4	
-25.4	12.2		SAND, fine grained, quartz, little shell hash, light gray (5Y-7/1), (SP).		6	
-26.6	13.4				4	
-27.0	13.8		Shelly SAND, fine grained, quartz, shell component is shell hash, shell frags up to 1.5" and whole shells up to 2.0", light gray (5Y-7/1), (GW).		1	
-27.6	14.4				VC17	
			Sandy SHELL, shell component is shell hash and shell frags up to 1.5", 2.0" silty pocket @ 11.7", gray (5Y-6/1), (GW).		S#6	
-30.2	17.0		Shelly SAND, fine grained, quartz, shell component is shell frags and whole shells up to 1.0", white (5Y-8/1), (GW).			
-32.1	18.9		SAND, fine grained, quartz, little shell hash, light gray (2.5Y-7/1), (SW).			
-33.2	20.0		Shelly SAND, fine grained, quartz, little shell fragments, little whole shell, trace silt, shell frags up to 0.5", whole shells up to 2.0", very dark gray (5Y-3/1), (SW).			
			SAND, fine grained, quartz, little shell hash, little silt, gray (2.5Y-6/1), (SM).			
			ROCK FRAGMENTS, some sand, gray (5Y-6/1), (GW).			
			No Recovery.			
			End of Boring			