

<b>DRILLING LOG</b>		<b>DIVISION</b>	<b>INSTALLATION</b>	<b>SHEET 1</b>
<b>1. PROJECT</b> Manatee Co. Pipeline Sand Search Anna Maria Island, Florida		<b>9. SIZE AND TYPE OF BIT</b> 3.0 In.		
<b>2. BORING DESIGNATION</b> AMVC-10-17		<b>10. COORDINATE SYSTEM/DATUM</b> Florida State Plane West		
<b>3. DRILLING AGENCY</b> Coastal Planning & Engineering, Inc.		<b>11. MANUFACTURER'S DESIGNATION OF DRILL</b> Diver Operated Vibracore		
<b>4. NAME OF DRILLER</b> CPE		<b>12. TOTAL SAMPLES</b>		
<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> 04-08-10 07:47		
<b>8. TOTAL DEPTH OF BORING</b> 20.2 Ft.		<b>16. ELEVATION TOP OF BORING</b> -26.0 Ft.		
		<b>17. TOTAL RECOVERY FOR BORING</b> 18.9 Ft.		
		<b>18. SIGNATURE AND TITLE OF INSPECTOR</b> KD		

ELEV. (ft)	DEPTH (ft)	LEGEND	CLASSIFICATION OF MATERIALS Depths and elevations based on measured values	% REC.	BOX OR SAMPLE	REMARKS
-26.0	0.0					Shell Hash calculated from visual estimate of shell <4.75mm and >2.8mm.
-26.6	0.6		SAND, fine grained, quartz, trace shell hash, trace silt, (3.0"x1.5") pocket of some shell hash @ 0.5', light gray (5Y-7/1), (SP).		1	Sample #1, Depth = 0.3'
-27.6	1.6		SAND, fine grained, quartz, trace shell hash, trace silt, (3.0"x1.0") pocket of some shell hash @ 1.2' and 1.6', 1.5" sand dollar fragment @ 1.5', gray (5Y-6/1), (SW).		2	Mean (mm): 0.19, Phi Sorting: 0.77 Shell Hash: 0%, Fines (230): 1.20% (SP) Sample #2, Depth = 1.0'
-33.0	7.0		SAND, fine grained, quartz, trace clay, trace shell fragments, trace shell hash, trace silt, trace whole shell, shell fragments up to 1.5", whole shell up to 1.0", clay distributed in 0.25" pockets, (3.0"x2.0") shelly pocket @ 6.9', shell component is shell fragments up to 1.0" and whole shell up to 0.75", gray (5Y-6/1), (SW-SM).		3	Mean (mm): 0.23, Phi Sorting: 1.15 Shell Hash: 1%, Fines (230): 1.36% (SW) Sample #3, Depth = 4.5'
-35.9	9.9		SAND, fine grained, quartz, trace clay, trace shell fragments, trace shell hash, trace silt, trace whole shell, shell fragments up to 0.75", whole shell up to 1.0", clay distributed in clayey lenses/burrows up to 3.0", gray (5Y-6/1), (SW).		4	Mean (mm): 0.17, Phi Sorting: 1.04 Shell Hash: 1%, Fines (230): 4.54% (SW-SM) Sample #4, Depth = 8.2'
-37.6	11.6		SAND, fine grained, quartz, little clay, little shell hash, trace shell fragments, shell fragments up to 0.5", gray (5Y-5/1), (SC).		5	Mean (mm): 0.17, Phi Sorting: 0.98 Shell Hash: 1%, Fines (230): 2.12% (SW) Sample #5, Depth = 10.8'
-38.1	12.1		Clayey SHELL, shell component is shell hash and shell fragments up to 0.75", (3.0"x1.75") coral fragment @ 11.7', light olive gray (5Y-6/2), (GC).			Mean (mm): 0.19, Phi Sorting: 1.09 Shell Hash: 1%, Fines (230): 3.58% (SW)
-40.2	14.2		CLAY, some rock fragments, trace shell hash, clay is partially lithified, rock fragments up to 2.5", color is mottled light greenish gray (10Y-8/1) and, greenish gray (10Y-6/1), (GC).			
-40.9	14.9		Shelly CLAY, soft, shell component is shell hash, greenish gray (10Y-5/1), (CL).			
-44.9	18.9		CLAY, trace rock fragments, trace shell fragments, trace shell hash, clay is partially lithified, shell fragments up to 2.0", rock fragments up to 1.0", color is mottled light greenish gray (10Y-8/1) and, light greenish gray (5GY-7/1), (CL).			
-46.2	20.2		No Recovery.			
			End of Boring			

FLORIDA DEP ROSS 2010 AMVC PIPELINE ROUTE.GPJ FL DEP ROSS.GDT 2/24/11