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| DRILLING LOG | | DIVISION: | INSTALLATION: | SHEET 1 of 1 |
| 1. PROJECT | | MARCO PASS SHOAL | | |
| 2. LOCATION (Coordinates or Station) | | NAD83 FL East X=407339 Y=597922 | | |
| 3. DRILLING AGENCY: Athena Technologies | | 10. SIZE AND TYPE OF BIT 4" | | |
| 4. HOLE NO. (As shown on drawing title and file number) | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) NGVD | | |
| MPVC-03-08 | | 12. MANUFACTURER'S DESIGNATION OF DRILL Athena Technologies | | |
| 5. NAME OF DRILLER Walter J. Sexton | | 13. TOT NO. OF OVERBURDEN SAMPLES TAKEN Disturbed: 0 Undisturbed: 0 | | |
| 6. DIRECTION OF HOLE VERTICAL | | 14. TOTAL NO. OF CORE BOXES | | |
| 7. THICKNESS OF BURDEN 0.0 FT | | 15. ELEVATION GROUND WATER | | |
| 8. DEPTH DRILLED INTO ROCK N/A | | 16. DATE HOLE Started Completed 3/26/03 12:55 | | |
| 9. TOTAL DEPTH OF HOLE 20.0 FT | | 17. ELEVATION TOP OF HOLE -11.8 FT | | |
| | | 18. TOTAL CORE RECOVERY FOR BORING 89% | | |
| | | 19. SIGNATURE OF GEOLOGIST ML/JB | | |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS |
|-------|-------|--------|---|------------------|------------------|--|
| -11.8 | 0 | | | | | |
| -13.8 | 1 | | SAND, fine grained, quartz, trace silt, some whole shell/shell fragments up to 1.5", light gray (5Y-7/1), (SW). | | 1 | Sample #1, Depth = 1.0 Mean (mm): 0.28, Phi Sorting: 1.88 Shell: 20.25%, Silt: 1.55% (SW) |
| -14.5 | 2 | | SAND, very fine grained, quartz, little silt, trace shell fragments up to 0.5", olive gray (5Y-5/2), (SM). | | 2 | Sample #2, Depth = 2.4 Mean (mm): 0.22, Phi Sorting: 2.38 Shell: 13.28%, Silt: 7.85% (SW-SM) |
| -16.7 | 3 | | SHELL, some sand, trace silt, whole shells/shell fragments/shell hash up to 1.0", light gray (5Y-7/1), (GW). | | 3 | Sample #3, Depth = 3.5 Mean (mm): 0.91, Phi Sorting: 3.11 Shell: 52.67%, Silt: 2.88% (SW) |
| -18.3 | 4 | | SAND, fine grained, quartz, trace silt, trace shell fragments/whole shells up to 1.0", white (5Y-8/1), (SP). | | 4 | Sample #4, Depth = 6.0 Mean (mm): 0.23, Phi Sorting: 2.34 Shell: 10.73%, Silt: 5.48% (SW-SM) |
| -22.2 | 5 | | SHELLY SAND, little clay, whole shells/shell fragments up to 1.5", gray (5Y-5/1), (SC). | | 5 | Sample #5, Depth = 8.0 Mean (mm): 0.60, Phi Sorting: 3.68 Shell: 38.51%, Silt: 16.93% (SM) |
| -26.3 | 6 | | CLAYEY SHELL, whole shells/shell fragments up to 1.5", gray (5Y-5/1), (GC). | | | |
| -27.5 | 7 | | SHELLY CLAY, whole shell/shell fragments up to 1.0", dark gray (5Y-4/1), (GC). | | | |
| -28.1 | 8 | | CLAY, little sand, trace shell hash, dark gray (N4), (CL). | | | |
| -29.6 | 9 | | CLAY, olive yellow (5Y-6/8), (CL). | | | |
| -31.8 | 10 | | No Recovery | | | |
| | 11 | | End of Boring | | | |
| | 12 | | Note: 1) Soils are field visually classified in accordance with the Unified Soil Classification System. | | | |
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