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|--|--|---|----------------------|---------------------|
| DRILLING LOG | | DIVISION: | INSTALLATION: | SHEET 1 of 1 |
| 1. PROJECT | | 10. SIZE AND TYPE OF BIT 4" | | |
| MARCO PASS SHOAL | | | | |
| 2. LOCATION | | 11. DATUM FOR ELEVATION SHOWN (TBM or MSL) | | |
| (Coordinates or Station) | | NGVD | | |
| NAD83 FL East X=407450 Y=598523 | | | | |
| 3. DRILLING AGENCY: Athena Technologies | | 12. MANUFACTURER'S DESIGNATION OF DRILL | | |
| | | Athena Technologies | | |
| 4. HOLE NO. | | 13. TOT NO. OF OVERBURDEN SAMPLES TAKEN | | |
| (As shown on drawing title and file number) | | Disturbed: 0 Undisturbed: 0 | | |
| MPVC-03-02 | | | | |
| 5. NAME OF DRILLER | | 14. TOTAL NO. OF CORE BOXES | | |
| Walter J. Sexton | | | | |
| 6. DIRECTION OF HOLE | | 15. ELEVATION GROUND WATER | | |
| VERTICAL | | | | |
| 7. THICKNESS OF BURDEN 0.0 FT | | 16. DATE HOLE | | |
| | | Started Completed | | |
| 8. DEPTH DRILLED INTO ROCK N/A | | 3/25/03 14:18 | | |
| 9. TOTAL DEPTH OF HOLE 20.0 FT | | 17. ELEVATION TOP OF HOLE -9.1 FT | | |
| | | 18. TOTAL CORE RECOVERY FOR BORING 83% | | |
| | | 19. SIGNATURE OF GEOLOGIST ML/JB | | |
| | | | | |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS (Description) | CORE REC % | SAMPLE NUMBER | REMARKS |
|-------|-------|--------|---|------------------|------------------|---|
| -9.1 | 0 | | | | | Sample #1, Depth = 0.5 |
| -10 | 1 | | SAND, fine grained, quartz, trace silt, trace shell hash, pale yellow (5Y-8/2), (SP). | | 1 | Mean (mm): 0.15, Phi Sorting: 0.45 Shell: 3.81%, Silt: 1.41% (SP) |
| -11.3 | 2 | | SAND, fine grained, quartz, trace silt, little shell hash/shell fragments, light gray (5Y-7/2), (SW). | | 2 | Sample #2, Depth = 1.5 Mean (mm): 0.23, Phi Sorting: 1.52 Shell: 18.06%, Silt: 1.53% (SW) |
| -12.6 | 3 | | fine grained, quartz, trace silt, some shell hash/shell fragments grading to SHELLY SAND at base (up to 1"), light gray (5Y-7/2), (SW). | | 3 | Sample #3, Depth = 2.5 Mean (mm): 0.27, Phi Sorting: 1.71 Shell: 18.88%, Silt: 1.25% (SW) |
| -14.4 | 4 | | SAND, fine grained, quartz, trace silt, light gray (5Y-7/2), (SP). | | 4 | Sample #4, Depth = 4.5 Mean (mm): 0.13, Phi Sorting: 0.40 Shell: 1.89%, Silt: 2.32% (SP) |
| -15.4 | 5 | | SAND, fine grained, trace silt, 0.5" clay pocket at 5.5', gray (5Y-6/1), (SW-SM). | | 5 | Sample #5, Depth = 5.8 Mean (mm): 0.12, Phi sorting: 0.53 Shell: 1.75%, Silt: 4.74% (SW-SM) |
| -16.5 | 6 | | SHELLY SAND, little silt, whole shell/shell fragments up to 2.0", gray (5Y-6/1), (GM). | | 6 | Sample #6, Depth = 6.6 Mean (mm): 0.55, Phi sorting: 3.43 Shell: 33.92%, Silt: 13.86% (SM) |
| -19.5 | 7 | | | | | |
| | 8 | | SAND, fine grained, quartz, trace silt, trace whole shell/shell fragment/shell hash, gray (5Y-6/1), (SW-SM). | | 5 | |
| | 9 | | | | | |
| | 10 | | | | | |
| | 11 | | | | | |
| | 12 | | | | | |
| | 13 | | SHELLY CLAY, some sand, whole shell/shell fragments up to 3.0", gray (5Y-6/1), (GC). | | | |
| | 14 | | | | | |
| | 15 | | | | | |
| -25.3 | 16 | | | | | |
| | 17 | | SAND, fine grained, quartz, trace silt, trace shell hash, pale yellow (5Y-8/2), (SP). | | 1 | |
| | 18 | | No Recovery | | | |
| | 19 | | | | | |
| -29.1 | 20 | | End of Boring | | | |
| | 21 | | Note: | | | |
| | 22 | | 1) Soils are field visually classified in accordance with the Unified Soil Classification System. | | | |
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