

Boring Designation SK-Area1-V04

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|---|--|--|--|---|--|--|--|
| DRILLING LOG | | DIVISION Humiston & Moore Engineers | | INSTALLATION Naples, FL | | SHEET 1 OF 1 SHEETS | |
| 1. PROJECT Sarasota County Public Works South Siesta Key Beach Restoration Project | | | | 9. SIZE AND TYPE OF BIT 3.0 In. | | | |
| 2. BORING DESIGNATION SK-AREA1-V04 | | | | 10. COORDINATE SYSTEM/DATUM Florida State Plane West | | HORIZONTAL NAD 1983 | |
| 3. DRILLING AGENCY Athena Technologies, Inc. | | | | 11. MANUFACTURER'S DESIGNATION OF DRILL | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER P. McClellan | | | | 12. TOTAL SAMPLES 2 | | DISTURBED UNDISTURBED (UD) | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | | | 13. TOTAL NUMBER CORE BOXES | | 14. ELEVATION GROUND WATER -0.3 Ft. | |
| 6. THICKNESS OF OVERBURDEN 0.0 Ft. | | | | 15. DATE BORING | | STARTED 01-10-14 11:19 | |
| 7. DEPTH DRILLED INTO ROCK 0.0 Ft. | | | | 16. ELEVATION TOP OF BORING -40.2 Ft. | | COMPLETED 01-10-14 11:34 | |
| 8. TOTAL DEPTH OF BORING 13.7 Ft. | | | | 17. TOTAL RECOVERY FOR BORING 11 Ft. | | 18. SIGNATURE AND TITLE OF INSPECTOR A. Freeze | |

| ELEV. (ft) | DEPTH (ft) | LEGEND | CLASSIFICATION OF MATERIALS Depths and elevations based on measured values | % REC. | BOX OR SAMPLE | REMARKS |
|---------------|---------------|--------|---|-----------|------------------|---|
| -40.2 | 0.0 | | | | | |
| | | | SHELL, medium sand size, little fine quartz sand, poorly graded, subangular, 3.9' = gravel size coral fragment, 6.8 - 7.1' = Fine quartz SAND, some fine sand size shell, little silt (in layers), subangular (SP-SM, Light olive gray (5Y 6/2)), dark gray (5Y-4/1), (SP). | | A1-V4-1 | Sample #A1-V4-1, Depth = 0.0' - 7.5' Mean (mm): 0.34, Phi Sorting: 1.10 Carbonate: 72.2%, Fines (230): 0.85% (SP) |
| | | | | | A1-V4-1 Post | Sample #A1-V4-1 Post, Depth = 0.0' - 7.5' Mean (mm): 0.18, Phi Sorting: 0.56 Fines (230): 0.53% |
| -47.0 | 6.8 | | | | | |
| -47.3 | 7.1 | | Silty fine quartz SAND, some fine sand size shell, little silt in layers, subangular, light olive gray (5Y-6/2), (SM). | | | |
| -47.7 | 7.5 | | SHELL, fine to medium sand size, few fine quartz sand, trace silt, poorly graded, subangular, gray (5Y-5/1), (SP). | | | |
| | | | Silty fine quartz SAND, little silt, little fine sand size shell, subangular, bioturbated, partially indurated at base, light olive gray (5Y-6/2), (SM). | | A1-V4-2 | Sample #A1-V4-2, Depth = 7.5' - 11.0' Mean (mm): 0.20, Phi Sorting: 1.72 Shell: 25%, Fines (230): 13.37% (SM) |
| -51.2 | 11.0 | | | | | |
| | | | End of Boring | | | |

FLORIDA DEP ROSS SIESTA KEY 2-27-14.GPJ FL DEP ROSS.GDT 2/27/14