

# Boring Designation SK-Area1-V08

|   |  |  |  |   |  |  |  |
|---|--|--|--|---|--|--|--|
| <b>DRILLING LOG</b>   |  | DIVISION<br>Humiston & Moore Engineers |  | INSTALLATION<br>Naples, FL                              |  | SHEET 1<br>OF 1 SHEETS   |  |
| 1. PROJECT<br>Sarasota County Public Works<br>South Siesta Key Beach Restoration Project                    |  |  |  | 9. SIZE AND TYPE OF BIT 3.0 In.                         |  |  |  |
| 2. BORING DESIGNATION<br>SK-AREA1-V08   |  |  |  | 10. COORDINATE SYSTEM/DATUM<br>Florida State Plane West |  | HORIZONTAL<br>NAD 1983   |  |
| 3. DRILLING AGENCY<br>Athena Technologies, Inc.   |  |  |  | 11. MANUFACTURER'S DESIGNATION OF DRILL                 |  | <input type="checkbox"/> AUTO HAMMER<br><input type="checkbox"/> MANUAL HAMMER |  |
| 4. NAME OF DRILLER<br>P. McClellan  |  |  |  | 12. TOTAL SAMPLES<br>3                                  |  | DISTURBED<br>UNDISTURBED (UD)  |  |
| 5. DIRECTION OF BORING<br><input checked="" type="checkbox"/> VERTICAL<br><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<br>01-10-14 13:26  |  |
| 7. DEPTH DRILLED INTO ROCK 0.0 Ft.  |  |  |  | 16. ELEVATION TOP OF BORING -40.4 Ft.                   |  | COMPLETED<br>01-10-14 13:41  |  |
| 8. TOTAL DEPTH OF BORING 15.7 Ft.   |  |  |  | 17. TOTAL RECOVERY FOR BORING 15.2 Ft.                  |  | 18. SIGNATURE AND TITLE OF INSPECTOR<br>A. Freeze                              |  |

| ELEV.<br>(ft) | DEPTH<br>(ft) | LEGEND | CLASSIFICATION OF MATERIALS<br>Depths and elevations based on measured values   | %<br>REC. | BOX OR<br>SAMPLE | REMARKS   |    |
|---------------|---------------|--------|---|-----------|------------------|---|----|
| -40.4         | 0.0           |        |   |           |                  |   | 0  |
| -45.4         | 5.0           |        | SHELL, medium sand size, little fine quartz sand, poorly graded, subangular, dark gray (5Y-4/1), (SP).  |           | A1-V8-1          | Sample #A1-V8-1, Depth = 0.0' - 6.2'<br>Mean (mm): 0.30, Phi Sorting: 0.99<br>Carbonate: 65.8%, Fines (230): 1.60% (SP) |    |
| -46.6         | 6.2           |        | Fine quartz SAND, little fine sand size shell, trace silt, poorly graded, subangular, light gray (5Y-7/1), (SP).  |           | A1-V8-1 Post     | Sample #A1-V8-1 Post, Depth = 0.0' - 6.2'<br>Mean (mm): 0.17, Phi Sorting: 0.61<br>Fines (230): 0.14%                   | 5  |
| -49.9         | 9.5           |        | Silty fine quartz SAND, little silt, little fine sand size shell, subangular, bioturbated, 8.3 - 8.6' = shell layer, light gray (5Y-7/2), (SM).                         |           | A1-V8-2          | Sample #A1-V8-2, Depth = 6.2' - 9.5'<br>Mean (mm): 0.17, Phi Sorting: 1.53<br>Shell: 17%, Fines (230): 14.26% (SM)      |    |
| -52.1         | 11.7          |        | Silty fine quartz SAND, some silt, little fine sand size shell, subangular, bioturbated, rounded phosphate gravel present, light olive gray (5Y-6/2), (SM).             |           | A1-V8-3          | Sample #A1-V8-3, Depth = 9.5' - 11.7'<br>Mean (mm): 0.32, Phi Sorting: 1.85<br>Shell: 20%, Fines (230): 24.20% (SM)     | 10 |
| -53.5         | 13.1          |        | Silty fine quartz SAND, some medium to coarse sand size shell, little silt/phosphate/coral fragments present, subangular, gray (5Y-6/1), (SM).                          |           |                  |   |    |
| -55.6         | 15.2          |        | Silty CLAY, some silt, soft, little medium sand size shell with little fine quartz sand in burrows, bioturbated, 13.1' = organic silt layer, olive gray (5Y-4/2), (CL). |           |                  |   | 15 |
|               |               |        | End of Boring   |           |                  |   | 20 |

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