

# Boring Designation BI-PB-034-10

| DRILLING LOG  |       | DIVISION<br>South Atlantic                        |  | INSTALLATION<br>Mobile District                               |  | SHEET 1<br>OF 1 SHEETS   |  |
|---|-------|---|--|---|--|--|--|
| 1. PROJECT<br>MsCIP Barrier Island Restoration<br>Petit Bois Pass- AL East                                  |       |   |  | 9. SIZE AND TYPE OF BIT N/A                                   |  |  |  |
| 2. BORING DESIGNATION<br>BI-PB-034-10   |       | LOCATION COORDINATES<br>E = 1,152,694 N = 254,368 |  | 10. COORDINATE SYSTEM/DATUM<br>State Plane, MSE (U.S. Ft.)    |  | HORIZONTAL<br>NAD83<br>VERTICAL<br>NAVD88                                      |  |
| 3. DRILLING AGENCY<br>Corps of Engineers - CESAM  |       | CONTRACTOR FILE NO.                               |  | 11. MANUFACTURER'S DESIGNATION OF DRILL<br>Vibrocure          |  | <input type="checkbox"/> AUTO HAMMER<br><input type="checkbox"/> MANUAL HAMMER |  |
| 4. NAME OF DRILLER<br>Construction Solutions International, Inc.  |       |   |  | 12. TOTAL SAMPLES<br>5  |  | DISTURBED<br>5<br>UNDISTURBED (UD)<br>0  |  |
| 5. DIRECTION OF BORING<br><input checked="" type="checkbox"/> VERTICAL<br><input type="checkbox"/> INCLINED |       | DEG. FROM VERTICAL                                |  | 13. TOTAL NUMBER CORE BOXES                                   |  |  |  |
|   |       | BEARING   |  | 14. WATER DEPTH<br>37 Ft.                                     |  |  |  |
| 6. THICKNESS OF OVERBURDEN<br>N/A   |       |   |  | 15. DATE BORING<br>07-12-10                                   |  | STARTED<br>07-12-10<br>COMPLETED<br>07-12-10                                   |  |
| 7. DEPTH DRILLED INTO ROCK<br>N/A   |       |   |  | 16. ELEVATION TOP OF BORING<br>-34.5 Ft.                      |  |  |  |
| 8. TOTAL DEPTH OF BORING<br>19.1 Ft.  |       |   |  | 17. TOTAL RECOVERY FOR BORING<br>100%                         |  |  |  |
|   |       |   |  | 18. SIGNATURE AND TITLE OF INSPECTOR<br>John Baehr, Geologist |  |  |  |
| ELEV.   | DEPTH | LEGEND  | CLASSIFICATION OF MATERIALS  | SAMPLE  | LABORATORY RESULTS   |  |  |
| -34.5   | 0.0   |   |  |   |  |  |  |
| -36.4   | 1.9   |   | SAND, poorly-graded, mostly medium-grained sand-sized quartz, trace shell fragments, lt. gray (SP) | A   | Classification: SP Color: 2.5Y 7/1-light gray<br>D50: 0.3204 mm % Fines: 3.9   |  |  |
| -38.1   | 3.6   |   | CLAY, lean, some sand, gray (CL)   | NS  |  |  |  |
| -39.8   | 5.3   |   | SAND, poorly-graded with silt, mostly fine-grained sand-sized quartz, some silt, tan (SP-SM)       | B   | Classification: SP-SM Color: 2.5Y 5/1-gray<br>D50: 0.2817 mm % Fines: 8        |  |  |
|   |       |   | SAND, silty, mostly fine-grained sand-sized quartz, some silt, gray (SM)                           | C   | Classification: SP-SM Color: 2.5Y 5/1-gray<br>D50: 0.3174 mm % Fines: 7.5      |  |  |
|   |       |   |  | D   | Classification: SP-SM Color: 2.5Y 5/1-gray<br>D50: 0.3137 mm % Fines: 8        |  |  |
|   |       |   |  | E   | Classification: SP-SM Color: 2.5Y 4/1-dark gray<br>D50: 0.3051 mm % Fines: 7.5 |  |  |
| -53.6   | 19.1  |   |  |   |  |  |  |
| NOTES:  |       |   |  |   |  |  |  |
| 1. Soils are field visually classified in accordance with the Unified Soils Classification System.          |       |   |  |   |  |  |  |
| 2. NS = Sample not submitted for laboratory analysis from this interval.                                    |       |   |  |   |  |  |  |
| 3. Seafloor elevation determined from 2010 USACE survey.  |       |   |  |   |  |  |  |