

Boring Designation BI-PB-119-10

| DRILLING LOG | | DIVISION South Atlantic | | INSTALLATION Mobile District | | SHEET 1 OF 2 SHEETS | |
|---|-------|---|---|---|---|--|--|
| 1. PROJECT MsCIP Barrier Island Restoration Petit Bois Pass- AL East | | | | 9. SIZE AND TYPE OF BIT N/A | | | |
| 2. BORING DESIGNATION BI-PB-119-10 | | LOCATION COORDINATES E = 1,146,626 N = 257,188 | | 10. COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.) | | HORIZONTAL NAD83 | |
| 3. DRILLING AGENCY Corps of Engineers - CESAM | | CONTRACTOR FILE NO. | | 11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER | |
| 4. NAME OF DRILLER Construction Solutions International, Inc. | | | | 12. TOTAL SAMPLES 4 | | UNDISTURBED (UD) 0 | |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | DEG. FROM VERTICAL | | 13. TOTAL NUMBER CORE BOXES | | 14. WATER DEPTH 16 Ft. | |
| 6. THICKNESS OF OVERBURDEN N/A | | 7. DEPTH DRILLED INTO ROCK N/A | | 15. DATE BORING 07-30-10 | | STARTED 07-30-10 | |
| 8. TOTAL DEPTH OF BORING 20.0 Ft. | | | | 16. ELEVATION TOP OF BORING -15.8 Ft. | | 17. TOTAL RECOVERY FOR BORING 100% | |
| | | | | 18. SIGNATURE AND TITLE OF INSPECTOR Chris Gillentine, Geologist | | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | SAMPLE | LABORATORY RESULTS | | |
| -15.8 | 0.0 | | | | | | |
| | | | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, trace shell fragments, lt. gray (SP) | A | Classification: SP Color: 2.5Y 7/1-light gray D50: 0.3342 mm % Fines: 1.3 | | |
| | | | | B | Classification: SP Color: 5Y 7/1-light gray D50: 0.3066 mm % Fines: 1.9 | | |
| | | | | C | Classification: SP Color: 5Y 7/1-light gray D50: 0.2323 mm % Fines: 2.3 | | |
| | | | | D | Classification: SP Color: 2.5Y 6/2-light brownish gray D50: 0.3417 mm % Fines: 4.6 | | |
| -35.8 | 20.0 | | | | | | |
| | | | 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 calculated using sampling | | | | |

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| DRILLING LOG (Cont. Sheet) | | | INSTALLATION Mobile District | | SHEET 2 OF 2 SHEETS |
| PROJECT MsCIP Barrier Island Restoration | | | COORDINATE SYSTEM/DATUM State Plane, MSE (U.S. Ft.) | HORIZONTAL NAD83 | VERTICAL NAVD88 |
| LOCATION COORDINATES X = 1,146,626 Y = 257,188 | | | ELEVATION TOP OF BORING -15.8 Ft. | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | SAMPLE | LABORATORY RESULTS |
| | | | vessel's fathometer water depth reading and applying NOAA tidal gauge data conversion factor. | | |