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|--|--|-----------------------------------|--|--|--|
| DRILLING LOG | | DIVISION South Atlantic | INSTALLATION Jacksonville District | | SHEET 1 OF 2 SHEETS |
| 1. PROJECT Duval County FL BEC Borrow Area B1 | | | 9. SIZE AND TYPE OF BIT See Remarks | | |
| 2. BORING DESIGNATION CB-DUC04-40 | | | 10. COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.) | | HORIZONTAL NAD27 |
| LOCATION COORDINATES X = 414,138 Y = 2,180,206 | | | 11. MANUFACTURER'S DESIGNATION OF DRILL Vibrocure | | <input type="checkbox"/> AUTO HAMMER <input type="checkbox"/> MANUAL HAMMER |
| 3. DRILLING AGENCY Alpine Ocean Seismic Survey, Inc. | | | 12. TOTAL SAMPLES 4 | | DISTURBED 0 |
| 4. NAME OF DRILLER James F. Cole | | | 13. TOTAL NUMBER CORE BOXES 1 | | UNDISTURBED (UD) |
| 5. DIRECTION OF BORING <input checked="" type="checkbox"/> VERTICAL <input type="checkbox"/> INCLINED | | | 14. ELEVATION GROUND WATER Tidal | | 15. DATE BORING 04-18-04 |
| 6. THICKNESS OF OVERBURDEN N/A | | | 16. ELEVATION TOP OF BORING -50.8 Ft. | | COMPLETED 04-18-04 |
| 7. DEPTH DRILLED INTO ROCK N/A | | | 17. TOTAL RECOVERY FOR BORING 93 % | | |
| 8. TOTAL DEPTH OF BORING 19.1 Ft. | | | 18. SIGNATURE AND TITLE OF INSPECTOR William H. Brenner, Geologist <i>William H. Brenner</i> | | |

| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | % REC. | BOX OR SAMPLE | RQD OR UD | REMARKS | BLOWS/1 Ft. | N-VALUE |
|-------|-------|--------|--|--------|---------------|-----------|-----------|-------------|---------|
| -50.8 | 0.0 | | | | | | -50.8 | | 0 |
| | | | SAND, poorly-graded, mostly fine to medium-grained sand-sized quartz, few angular sand to gravel-sized shell up to 2", trace silt, strong reaction with HCl, wet, N 7/ light gray (SP) | 100 | | | Vibrocure | | |
| | | | | 100 | 1 | | -52.3 | | |
| | | | | | | | Vibrocure | | |
| | | | | | | | -53.3 | | |
| | | | | 100 | | | Vibrocure | | 5 |
| -56.8 | 6.0 | | SAND, poorly-graded with silt, mostly fine to coarse-grained sand-sized carbonate, few silt, few angular sand to gravel-sized shell up to 2", strong reaction with HCl, wet, N 7/ light gray (SP-SM) | 100 | 2 | | -57.3 | | |
| | | | | | | | Vibrocure | | |
| | | | | | | | -58.3 | | |
| | | | From El. -59.4 to -69.9 Ft., little angular shell up to 2", trace silt | 100 | | | Vibrocure | | 10 |
| | | | | | | | -61.3 | | |
| | | | | 100 | 3 | | Vibrocure | | |
| | | | | | | | -62.3 | | |
| | | | | 100 | | | Vibrocure | | 15 |

| DRILLING LOG (Cont. Sheet) | | | INSTALLATION Jacksonville District | | SHEET 2 OF 2 SHEETS | | | | | | | | | | | | | | | | | | |
|--|--------------|---------------------------|--|--------------|---------------------------|------------------|-----------------|-----------------|---------|---------|--------|---|-----------|--------|---|-----------|--------|--|--|--|--|--|--|
| PROJECT Duval County FL BEC | | | COORDINATE SYSTEM/DATUM State Plane, FLE (U.S. Ft.) | | HORIZONTAL NAD27 | VERTICAL MLLW | | | | | | | | | | | | | | | | | |
| LOCATION COORDINATES X = 414,138 Y = 2,180,206 | | | ELEVATION TOP OF BORING -50.8 Ft. | | | | | | | | | | | | | | | | | | | | |
| ELEV. | DEPTH | LEGEND | CLASSIFICATION OF MATERIALS | % REC. | BOX OR SAMPLE | RQD OR UD | REMARKS | BLOWS/ 1 FT. | N-VALUE | | | | | | | | | | | | | | |
| -68.6 | 17.8 | NR | | 100 | 4 | | -66.3 Vibracore | | | | | | | | | | | | | | | | |
| | | | | 100 | | | -67.3 Vibracore | | | | | | | | | | | | | | | | |
| | | | | 50 | | | -69.9 Vibracore | | | | | | | | | | | | | | | | |
| -69.9 | 19.1 | | | | | | | | | | | | | | | | | | | | | | |
| NOTES: 1. Soils are field visually classified in accordance with the Unified Soils Classification System. 2. Laboratory Testing Results <table border="1"> <thead> <tr> <th>SAMPLE ID</th> <th>SAMPLE DEPTH</th> <th>LABORATORY CLASSIFICATION</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>1.5/2.5</td> <td>SP*</td> </tr> <tr> <td>2</td> <td>6.5/7.5</td> <td>SP-SM*</td> </tr> <tr> <td>3</td> <td>10.5/11.5</td> <td>SP-SM*</td> </tr> <tr> <td>4</td> <td>15.5/16.5</td> <td>SP-SM*</td> </tr> </tbody> </table> *Lab visual classification based on gradation curve. No Atterberg limits. 3. Additional Laboratory Testing 2 Specific Gravity | | | SAMPLE ID | SAMPLE DEPTH | LABORATORY CLASSIFICATION | 1 | 1.5/2.5 | SP* | 2 | 6.5/7.5 | SP-SM* | 3 | 10.5/11.5 | SP-SM* | 4 | 15.5/16.5 | SP-SM* | | | | | | |
| SAMPLE ID | SAMPLE DEPTH | LABORATORY CLASSIFICATION | | | | | | | | | | | | | | | | | | | | | |
| 1 | 1.5/2.5 | SP* | | | | | | | | | | | | | | | | | | | | | |
| 2 | 6.5/7.5 | SP-SM* | | | | | | | | | | | | | | | | | | | | | |
| 3 | 10.5/11.5 | SP-SM* | | | | | | | | | | | | | | | | | | | | | |
| 4 | 15.5/16.5 | SP-SM* | | | | | | | | | | | | | | | | | | | | | |