

# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.1  | 0.3    | 13.8   | 67.7 | 18.1    |      |

| SIEVE SIZE | PERCENT FINER | SPEC.* PERCENT | PASS? (X=NO) |
|------------|---------------|----------------|--------------|
| 1          | 100.0         |                |              |
| .75        | 100.0         |                |              |
| .5         | 100.0         |                |              |
| .375       | 100.0         |                |              |
| #4         | 99.9          |                |              |
| #10        | 99.6          |                |              |
| #20        | 98.0          |                |              |
| #40        | 85.8          |                |              |
| #60        | 57.6          |                |              |
| #100       | 31.6          |                |              |
| #140       | 22.3          |                |              |
| #200       | 18.1          |                |              |

\* (no specification provided)

|                                    |                          |                          |
|------------------------------------|--------------------------|--------------------------|
| <u><b>Material Description</b></u> |                          |                          |
| Fine to medium grained, SILTY SAND |                          |                          |
| <u><b>Atterberg Limits</b></u>     |                          |                          |
| PL=                                | LL=                      | PI=                      |
| <u><b>Coefficients</b></u>         |                          |                          |
| D <sub>90</sub> = 0.4805           | D <sub>85</sub> = 0.4161 | D <sub>60</sub> = 0.2606 |
| D <sub>50</sub> = 0.2193           | D <sub>30</sub> = 0.1435 | D <sub>15</sub> =        |
| D <sub>10</sub> =                  | C <sub>u</sub> =         | C <sub>c</sub> =         |
| <u><b>Classification</b></u>       |                          |                          |
| USCS= SM                           | AASHTO=                  |                          |
| <u><b>Remarks</b></u>              |                          |                          |

Location: BI-PBS-07-12 A  
Sample Number: 6469 (8)

Depth: 3.5'

Date: 11/28/12

**Thompson Engineering**

**Mobile, Alabama**

Client: CDM/Thompson Engineering JV  
Project: MsCIP Barrier Island Restoration GT

Project No: 1221110095

Figure