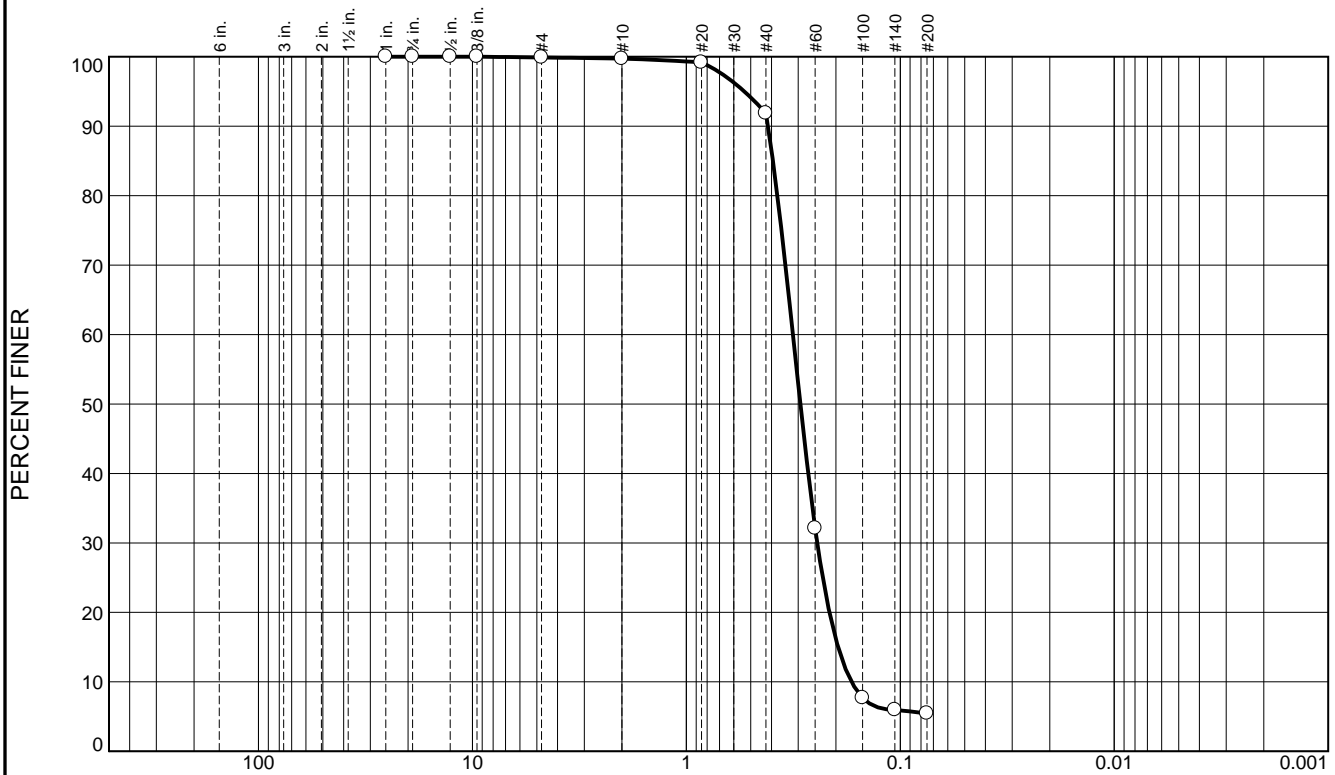


# Particle Size Distribution Report



| % +3" | % Gravel |      | % Sand |        |      | % Fines |      |
|-------|----------|------|--------|--------|------|---------|------|
|       | Coarse   | Fine | Coarse | Medium | Fine | Silt    | Clay |
| 0.0   | 0.0      | 0.1  | 0.2    | 7.8    | 86.4 | 5.5     |      |

| 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        | 99.7          |                |              |
| #20        | 99.2          |                |              |
| #40        | 91.9          |                |              |
| #60        | 32.1          |                |              |
| #100       | 7.7           |                |              |
| #140       | 5.9           |                |              |
| #200       | 5.5           |                |              |

\* (no specification provided)

|                                    |                          |                          |
|------------------------------------|--------------------------|--------------------------|
| <u><b>Material Description</b></u> |                          |                          |
| Fine grained, SLIGHTLY SILTY SAND  |                          |                          |
| <br>                               |                          |                          |
| <u><b>Atterberg Limits</b></u>     |                          |                          |
| PL=                                | LL=                      | PI=                      |
| <br>                               |                          |                          |
| <u><b>Coefficients</b></u>         |                          |                          |
| D <sub>90</sub> = 0.4154           | D <sub>85</sub> = 0.3936 | D <sub>60</sub> = 0.3177 |
| D <sub>50</sub> = 0.2933           | D <sub>30</sub> = 0.2445 | D <sub>15</sub> = 0.1954 |
| D <sub>10</sub> = 0.1693           | C <sub>u</sub> = 1.88    | C <sub>c</sub> = 1.11    |
| <br>                               |                          |                          |
| <u><b>Classification</b></u>       |                          |                          |
| USCS= SP-SM                        | AASHTO=                  |                          |
| <br>                               |                          |                          |
| <u><b>Remarks</b></u>              |                          |                          |

Location: BI-PB-197-12 A  
 Sample Number: 6495 (13)

Depth: 0.0'

Date: 12/31/12

**Thompson Engineering**

**Mobile, Alabama**

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

Project No: 1221110095

Figure