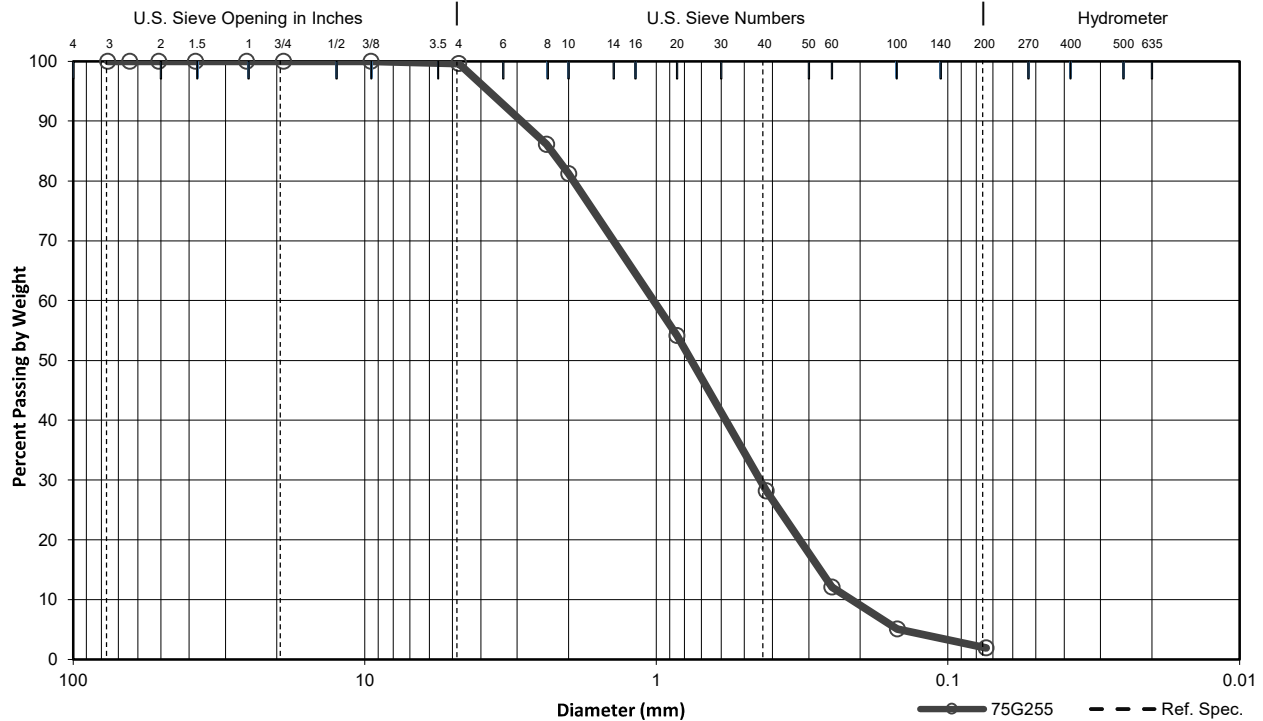


associated
earth sciences
incorporated

GRAIN SIZE ANALYSIS - MECHANICAL ASTM D422

| | | | | |
|--|------------------------------------|--------------------------------------|--|------------------------|
| Project Name Cedar Grove | Project Number KE140069A | Date Sampled 5/12/2016 | Date Tested 5/17/2016 | Tested By MS |
| Sample Source Cedar Grove | Sample No. 75G255 | Depth (ft) | Soil Description SAND, trace silt, trace gravel (SP) | |
| Total Sample Dry Wt. (g) 596.1 | Moisture Content (%) 4 | D ₁₀ (mm) 0.214 | Reference Specification | |



| Cobb. | Gravel | | Sand | | | Silt or Clay |
|-------|--------|------|--------|--------|------|--------------|
| | Coarse | Fine | Coarse | Medium | Fine | |

| Sieve No. | Diam. (mm) | Cum. Wt. Ret. (g) | % Ret. by Wt. | % Passing by Wt. | % Specs. Pass. by Wt. | |
|-----------|------------|-------------------|---------------|------------------|-----------------------|-----|
| | | | | | Min | Max |
| 3 | 76.1 | | 0.0 | 100.0 | | |
| 2.5 | 64 | | 0.0 | 100.0 | | |
| 2 | 50.8 | | 0.0 | 100.0 | | |
| 1.5 | 38.1 | | 0.0 | 100.0 | | |
| 1 | 25.4 | | 0.0 | 100.0 | | |
| 3/4 | 19 | | 0.0 | 100.0 | | |
| 3/8 | 9.51 | | 0.0 | 100.0 | | |
| #4 | 4.76 | 2.3 | 0.4 | 99.6 | | |
| #8 | 2.38 | 82.8 | 13.9 | 86.1 | | |
| #10 | 2 | 112.1 | 18.8 | 81.2 | | |
| #20 | 0.85 | 273.4 | 45.9 | 54.1 | | |
| #40 | 0.42 | 428.2 | 71.8 | 28.2 | | |
| #60 | 0.25 | 524.0 | 87.9 | 12.1 | | |
| #100 | 0.149 | 565.7 | 94.9 | 5.1 | | |
| #200 | 0.074 | 584.6 | 98.1 | 1.9 | | |
| | | | | | | |
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| | | | | | | |