



ATLANTIC TESTING LABORATORIES

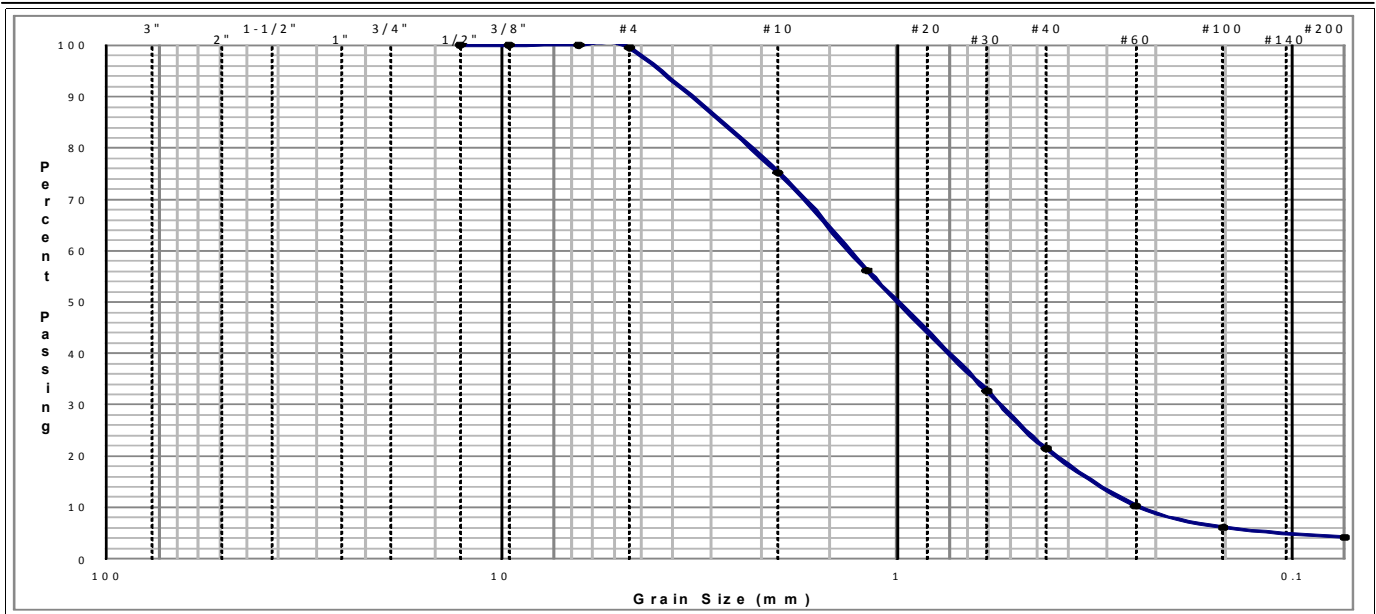
PARTICLE SIZE ANALYSIS REPORT No.: ST3958SL-002-07-18

WBE certified company

Client: Smith Sand & Gravel, Inc.
 Project: Mound Sand Analysis
 Syracuse, New York

Sample Date: July 26, 2018
 Sampled By: CLIENT
 Service Order No.: 7792
 Sample No.: ST3958S-002

Location: South Stockpile



| | | % Gravel | | | % Sand | | |
|-------------------|----------------------|---------------|-------------|-------------------------|--------|-------------------|--|
| % +3" | Coarse | Medium | Fine | Coarse | Medium | Fine | |
| 0 | 0 | 0 | 1 | 24 | 54 | 17 | |
| SIEVE SIZE | PERCENT FINER | SPEC.* | | OUT OF SPEC. (X) | | % Fines: 4 | |
| | | LOW | HIGH | | | | |
| 1/2 in | 100 | | | | | | |
| 3/8 in | 100 | | | | | | |
| 1/4 in | 100 | | | | | | |
| No. 4 | 99 | | | | | | |
| No. 10 | 75 | | | | | | |
| No. 16 | 56 | | | | | | |
| No. 30 | 33 | | | | | | |
| No. 40 | 21 | | | | | | |
| No. 60 | 10 | | | | | | |
| No. 100 | 6 | | | | | | |
| No. 200 | 4.3 | | | | | | |

* (no specification provided)

Soil Description
 Grey Mound Sand Material, Percent between #10 and #35 = 48%

Atterberg Limits
 PL= --- LL= --- PI= ---

Coefficients
 D₈₅ = 2.8335 D₆₀ = 1.3220 D₅₀ = 0.9917
 D₃₀ = 0.5454 D₁₅ = 0.3090 D₁₀ = 0.2367
 C_u = 5.5842 C_c = 0.9505 F.M. = 2.05

Classification
 USCS= AASHTO=

Remarks
 Delivered by Client on 07-26-2018
 ASTM C-136/C-117

Reviewed by: Cody Lepton

Date: Aug 15, 2018