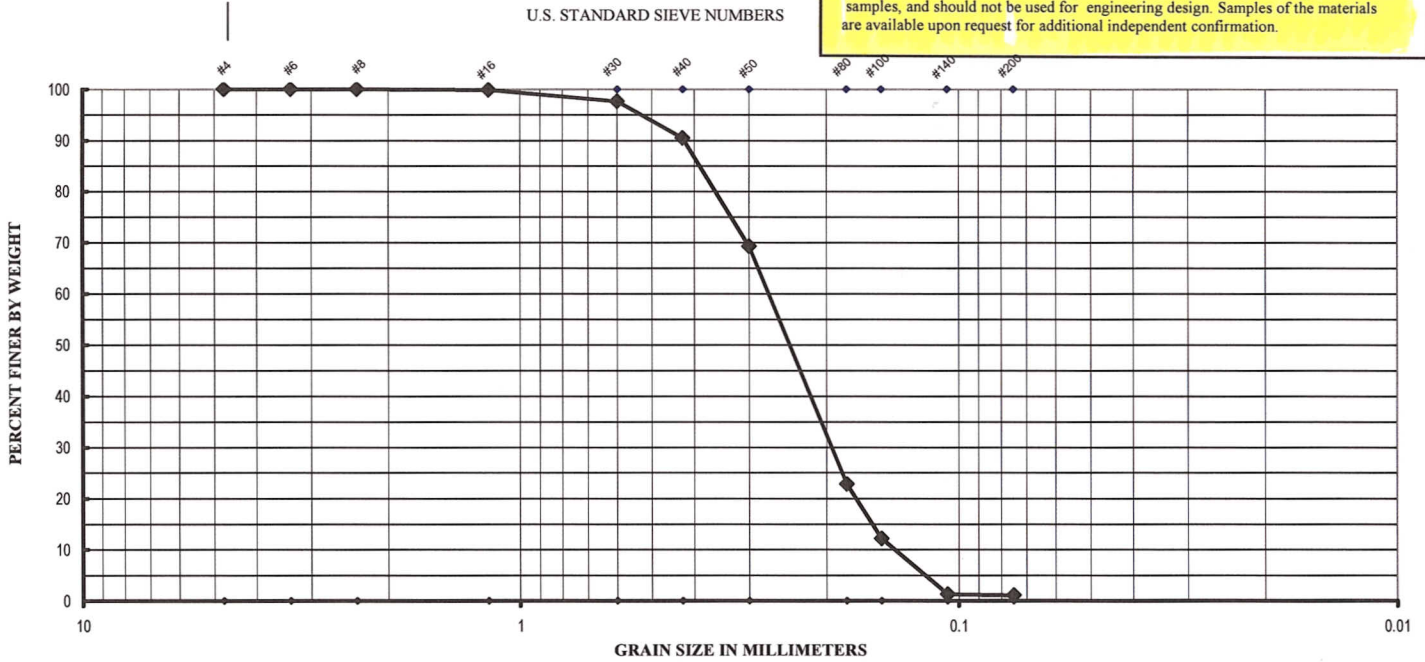
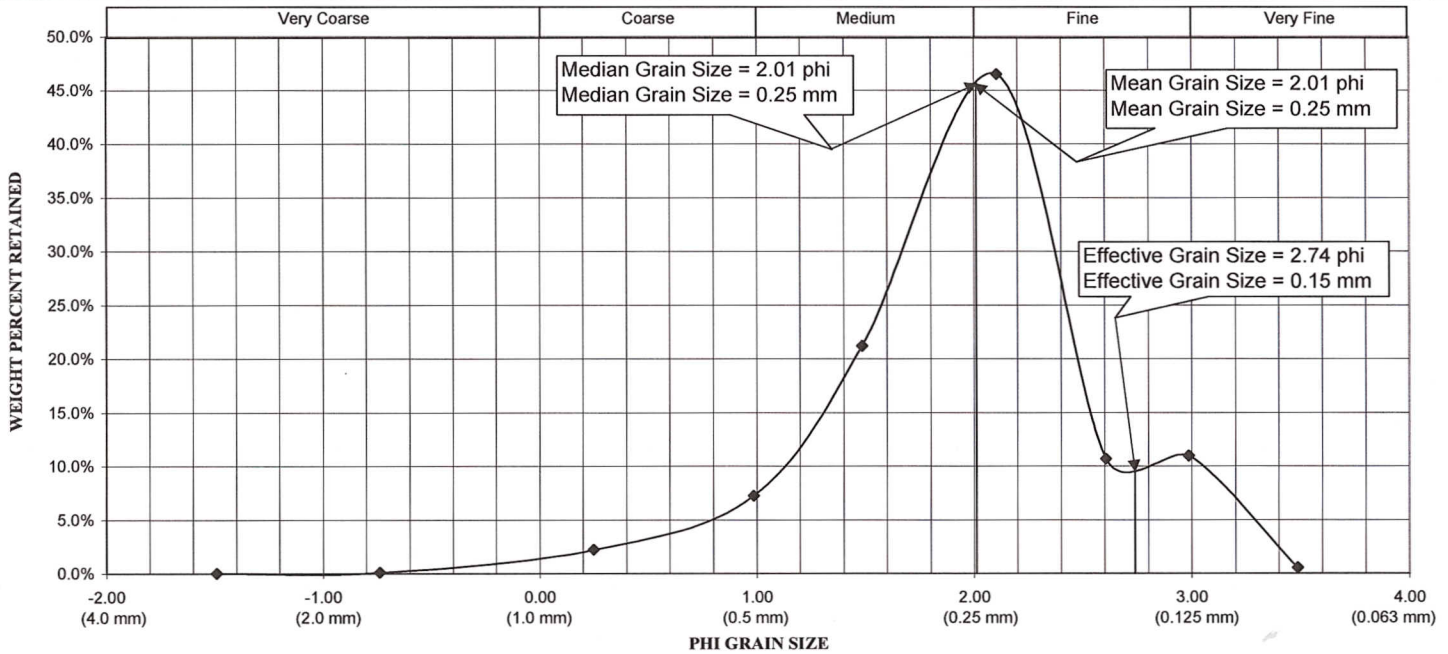


The testing data you are about to view is provided for informational purposes only. No warranty is expressed or implied regarding the characteristics of these products. The gradation of the products and their physical / mineralogical properties may vary over time. The test results represent measured properties from typical samples, and should not be used for engineering design. Samples of the materials are available upon request for additional independent confirmation.



Grain Size Distribution Curve



Frequency Distribution Curve

| Lab No. | Sample Location | | | Soil Description | | | | Specific Gravity (SSD) | | Absorption | |
|---|-------------------------------|----------------|-------|---------------------------------------|------|---|------|------------------------------------|------|------------|------|
| 9601 | Independent Mine - Mason Sand | | | Gray-white fine-medium SAND (SP) | | | | 2.65 | | 0.2% | |
| U.S. Sieve No. | #4 | #6 | #8 | #16 | #30 | #40 | #50 | #80 | #100 | #140 | #200 |
| % Passing | 100.0 | 100.0 | 100.0 | 99.9 | 97.7 | 90.5 | 69.3 | 22.8 | 12.2 | 1.2 | 1.1 |
| Median (D ₅₀) = 0.25 mm | | Mean = 0.25 mm | | Eff. Size = D ₁₀ = 0.15 mm | | Uniformity Coef. = D ₆₀ /D ₁₀ = 1.8 | | Sorting Coef. or Phi Standard Dev. | | = 0.61 | |
| RIGID WALL - CONSTANT HEAD PERMEABILITY TEST RESULTS | | | | | | CLIENT NAME: E.R. Jahna Industries, Inc. | | | | | |
| ASTM D-2434 Performed at 95% Maximum Dry Density | | | | | | PROJECT NAME: Independent Mine - Mason Sand | | | | | |
| k = 2.1 x 10 ⁻² cm/sec | | | | k = 60 ft/day | | PROJECT NO.: SAR-07-665 | | | | | |