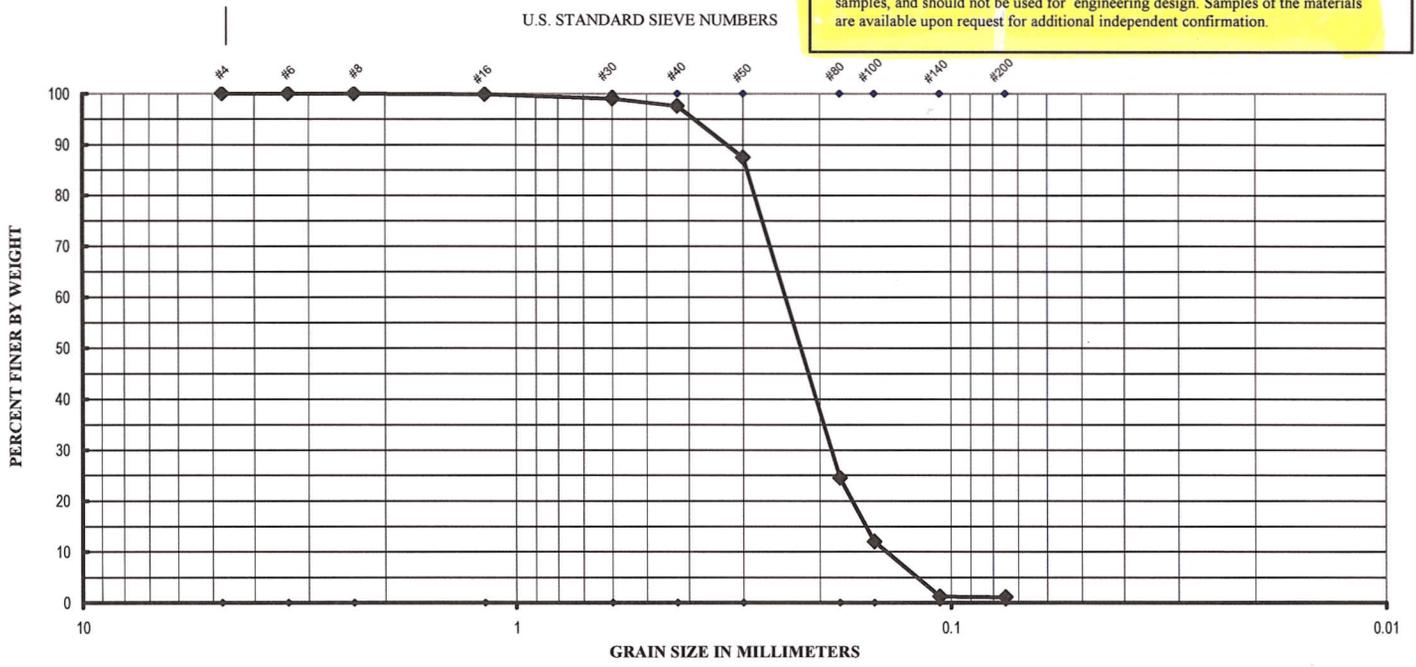
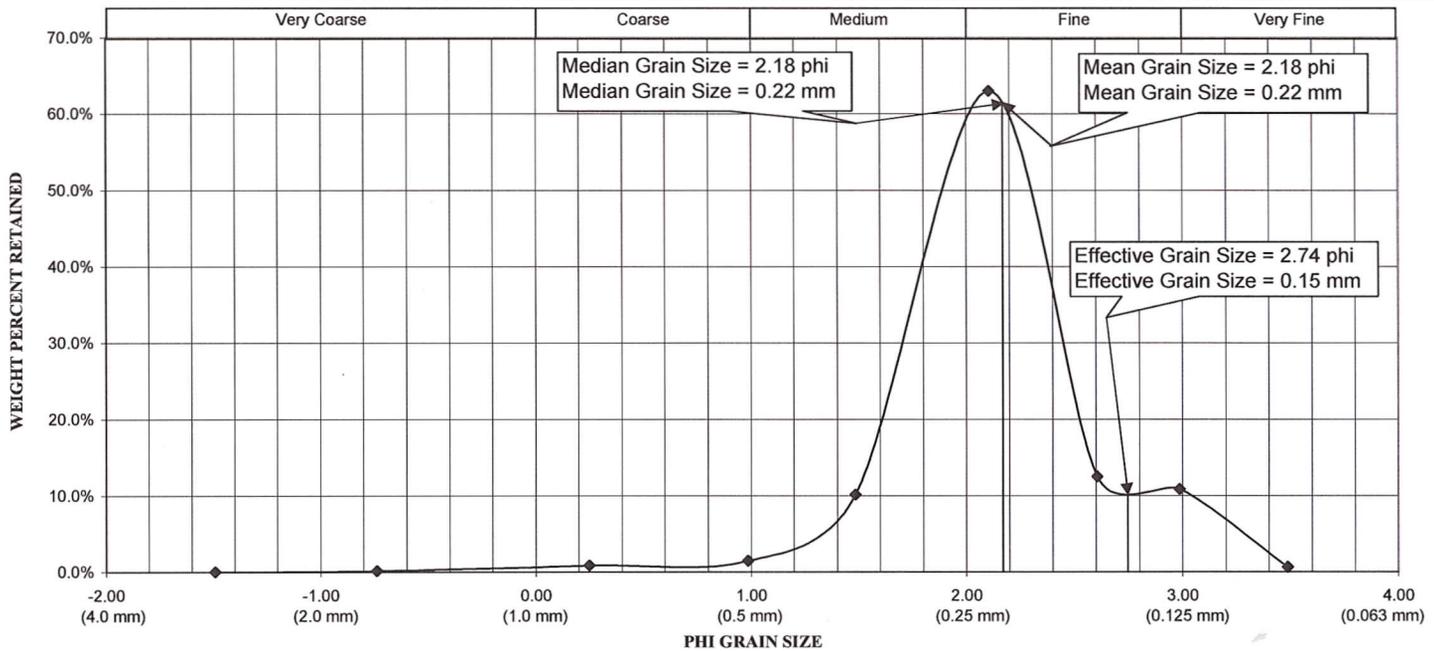


The testing data you are about to view is provided for informational purposes only. No warranty is expressed or implied regarding the characteristics of these products. The gradation of the products and their physical / mineralogical properties may vary over time. The test results represent measured 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		
9600	Green Bay Sand Mine - Mason Sand		Gray-white fine-medium SAND (SP)				2.64		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	99.0	97.6	87.5	24.5	12.0	1.2	1.1
Median (D ₅₀) = 0.22 mm		Mean = 0.22 mm		Eff. Size=D ₁₀ =0.15 mm		Uniformity Coef. = D ₆₀ /D ₁₀ = 1.7			Sorting Coef. or Phi Standard Dev. = 0.47		

RIGID WALL - CONSTANT HEAD PERMEABILITY TEST RESULTS

ASTM D-2434 Performed at 95% Maximum Dry Density

$k = 1.9 \times 10^{-2}$ cm/sec

$k = 54$ ft/day

CLIENT NAME: E.R. Jahna Industries, Inc.

PROJECT NAME: Green Bay Sand Mine - Mason Sand

PROJECT NO.: SAR-07-665