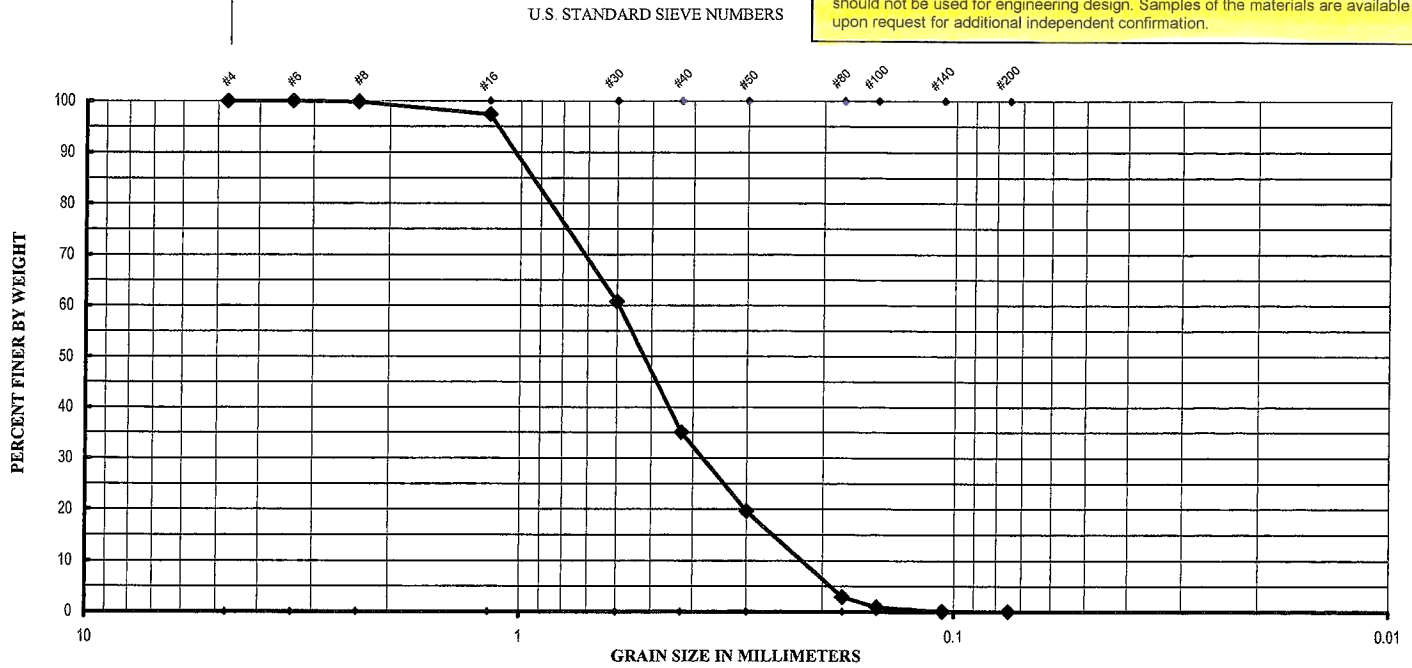
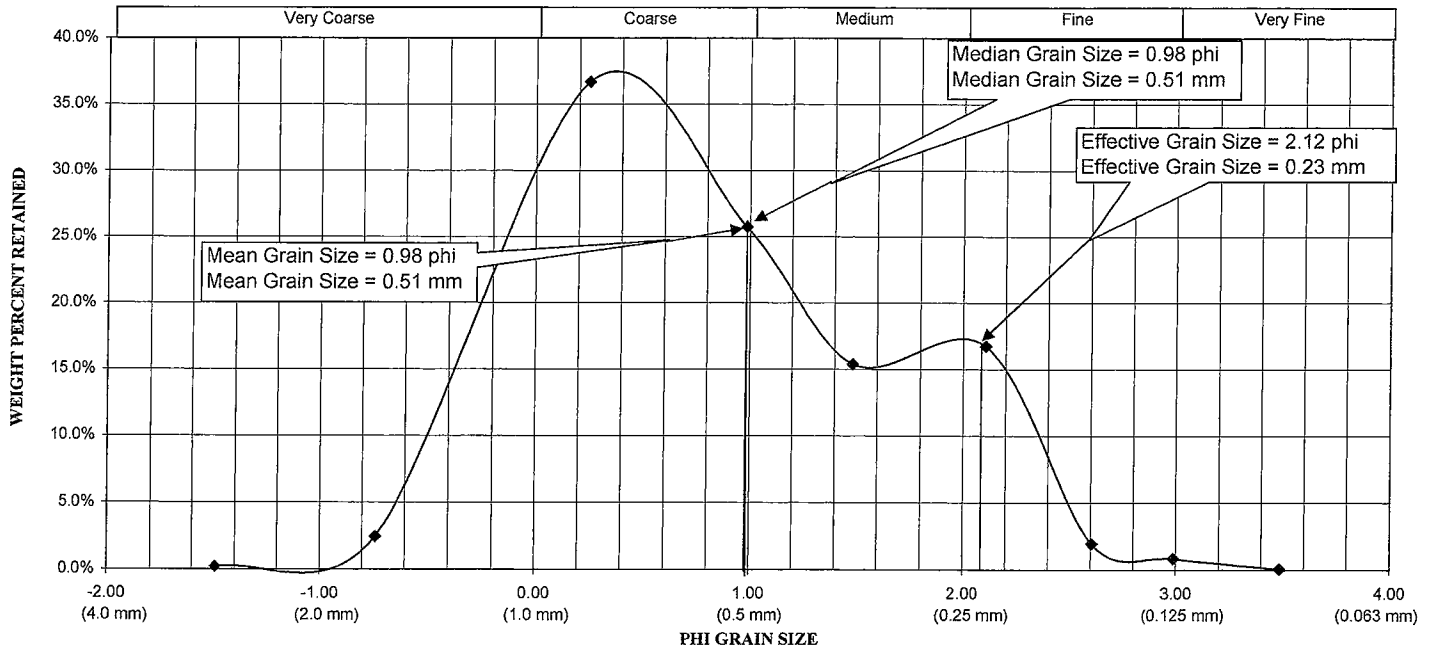


The testing data you are about to view is provided for informational purposes only. No warranty is expressed or implied regarding the characteristics of these products. The gradation of the products and their physical / mineralogical properties may vary over time. The test results represent measured 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		
1	Ortona		Concrete Sand (SP)				2.63		0.18%		
U.S. Sieve No.	#4	#6	#8	#16	#30	#40	#50	#80	#100	#140	#200
% Passing	100.0	100.0	99.8	97.4	60.7	35.0	19.6	2.9	0.9	0.1	0.0
Median (D ₅₀) = 0.51 mm	Mean = 0.51 mm		Eff. Size=D ₁₀ =0.23 mm		Uniformity Coef. = D ₆₀ /D ₁₀ = 2.6			Sorting Coef. or Phi Standard Dev. = 0.79			
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: Sand Mine Product Testing					
k = 5.9 x 10 ⁻² cm/sec			k = 167 ft/day			PROJECT NO.: LKL-08-0003					