

WASHED SIEVE ANALYSIS

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SINCE 1966



CLIENT: McClure Construction
DATE: 12/14/2011
SAMPLE: Septic Sand Split 1 of 2
MOIST WEIGHT =
TOTAL DRY WEIGHT =
DRY WEIGHT AFTER WASH =

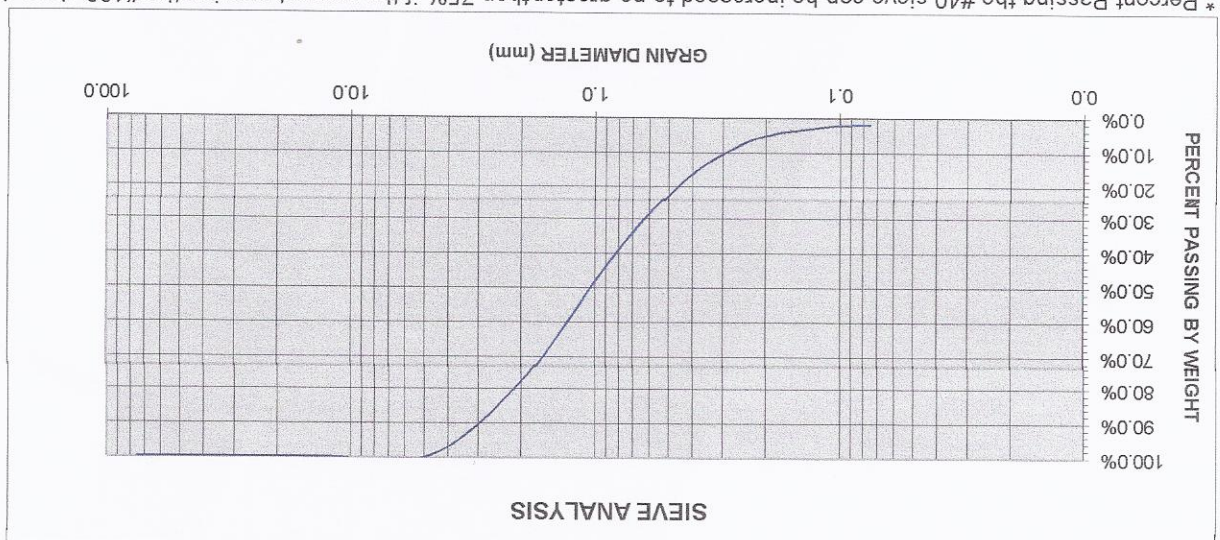
Water Content 1.56%
Unified Soil Classification System
Grain Size Comparison
Cobbles 0.0%
Coarse Gravel 0.0%
Fine Gravel 0.2%
Coarse Sand 21.8%
Medium Sand 59.9%
Fine Sand 16.0%
Silt & Clay 2.0%
Uniformity Coeff. 4.99

Sieve Size (mm) Weight Retained % Retained % Passing

3"	75.0	0.00%	100.0%
1 1/2"	37.5	0.00%	100.0%
1"	25.0	0.00%	100.0%
3/4"	19.0	0.00%	100.0%
1/2"	12.5	0.00%	100.0%
#4	4.75	0.02%	99.98%
#10	2.00	0.19%	99.81%
#20	0.850	0.32%	99.68%
#40	0.425	0.21%	99.79%
#60	0.250	0.09%	99.91%
#80	0.180	0.02%	99.98%
#100	0.150	0.00%	100.00%
#140	0.106	0.01%	99.99%
#200	0.075	0.00%	100.00%
Passing #200	0.018	2.0%	

Weight of Material Passing #200 Sieve = Total Dry Weight - Dry Weight After Wash

2000 CT. Health Code Septic Fill Specs
% Retained on #4 0.2%
% Passing #4 100.0%
% Passing #10 78.1%
% Passing #40 18.1%
% Passing #100 3.8%
% Passing #200 2.0%



* Percent Passing the #40 sieve can be increased to no greater than 75% if the percent passing the #100 sieve does not exceed 10% and the #200 does not exceed 5%.
** Based on empirical relationship by Hazen (1911) relating permeability to the D10 grain size.
Accuracy diminishes with >5% passing the #200 Sieve or permeability values < .3 ft/day.
Relationship invalid when D10 < .1mm or D10 > 3mm