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Soil Gradation Report

GRADATION ASTM D-422; WET WASH ASTM D-1140 METHOD A			
PROJECT:	INFO – POWDER HILL SAND & GRAVEL	PROJECT NO.:	5655
CLIENT:	POWDER HILL SAND & GRAVEL	REPORT NO.:	173
LAB NO.:	35834	DATE:	05/01/18
USE:	SEPTIC (SELECT FILL)	SAMPLED BY:	B. SPAZZARINI
SPEC A:	CT D.O.P.H. TECHNICAL STANDARDS	SOURCE:	POWDER HILL SAND & GRAVEL, ELLINGTON
		EST. PARTICLE SHAPE/HARDNESS:	ROUNDED/ANGULAR/HARD

GRADATION RESULTS		
SIEVE #	% PASS	SPEC A
75 mm (3")	100.0	100
4.75 mm (#4)	100.0*	100*
2.0 mm (#10)	78.4*	70-100*
425 µm (#40)	20.6*	10-50* ¹
150 µm (#100)	5.4*	0-20*
75 µm (#200)	3.8*	0-5*
COMPLIED WITH:		SPEC A: YES
...AS PER GRADATION ABOVE		

SOIL DESCRIPTION: DARK BROWN SAND; SOME GRAVEL; TRACE FINES

*PERCENTAGE OF SAMPLE LESS GRAVEL.

PERCENTAGE GRAVEL (+#4) = 25.8% Gravel fraction of the total sample (+ #4) cannot exceed 45%

¹Percent 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 sieve does not exceed 5% (as per CT Public Health Code for Subsurface Sewage Disposal Systems, January 2009).

REVIEWED BY:

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