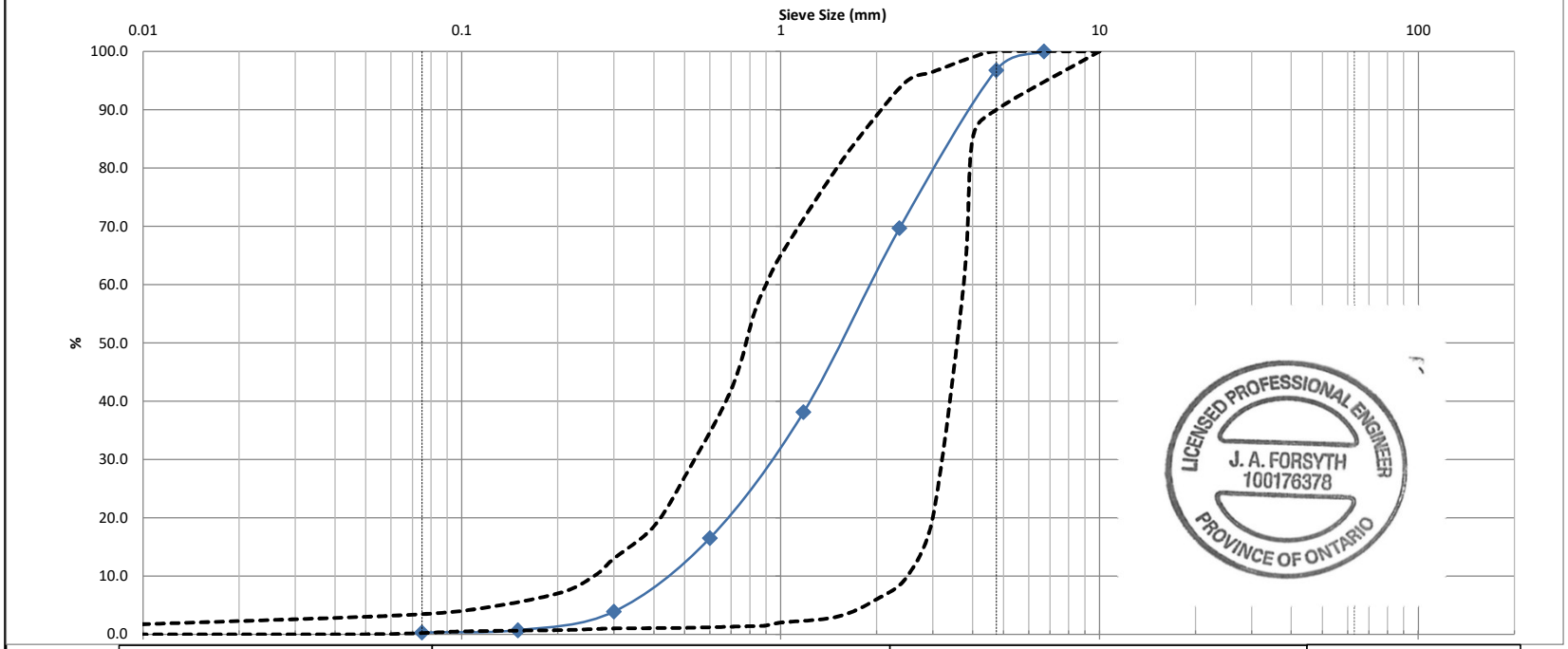
PATERSON GROUP

SIEVE ANALYSIS
ASTM C136

CLIENT:	Greely Sand & Gravel	DESCRIPTION:	Sand	FILE NO:	PM0754
CONTRACT NO.:	-	SPECIFICATION:	**Washed Filter Media**	LAB NO:	66014
PROJECT:	Lab Testing	INTENDED USE:	Filter Media	DATE RECEIVED:	1-May-26
		PIT OR QUARRY:	Pit	DATE TESTED:	4-May-26
DATE SAMPLED:	1-May-26	SOURCE LOCATION:	Spratt	DATE REPORTED:	20-May-26
SAMPLED BY:	Client	SAMPLE LOCATION:	Stockpile	TESTED BY:	RP



LICENSED PROFESSIONAL ENGINEER
J. A. FORSYTH
100176378
PROVINCE OF ONTARIO

Silt and Clay	Sand			Gravel		Cobble
	Fine	Medium	Coars	Fine	Coarse	

Identification	Soil Classification					MC(%)	LL	PL	PI	Cc	Cu
										1.06	4.2
	D100	D60	D30	D10	Gravel (%)	Sand (%)		Silt (%)		Clay (%)	
	6.7	1.9	0.95	0.45	3.2	96.5		0.3			

Comments: This sample conforms to the OBC Grading Distribution Envelope for Filter Sand. The sample is representative of a poorly graded fine sand with trace fines and gravel (SP) with an Estimated T Time = **6 to 8 min/cm**. The percolation rate provided above is based on the gradation of the test sample submitted, and as such, is approximate only. The values chosen for design should take into account the expected density in the field.

REVIEWED BY:	Curtis Beadow	Joe Fosyth, P. Eng.

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SIEVE ANALYSIS
ASTM C136

CLIENT:	Greely Sand & Gravel	DESCRIPTION:	Sand	FILE NO.:	PM0754
CONTRACT NO.:	-	SPECIFICATION:	**Washed Filter Media**	LAB NO.:	66014
PROJECT:	Lab Testing	INTENDED USE:	Misc.	DATE REC'D:	1-May-26
		PIT OR QUARRY:	Pit	DATE TESTED:	4-May-26
DATE SAMPLED:	01-May-26	SOURCE LOCATION:	Spratt	DATE REP'D:	20-May-26
SAMPLED BY:	Client	SAMPLE LOCATION:	Stockpile	TESTED BY:	RP

WEIGHT BEFORE WASH	1068.4
WEIGHT AFTER WASH	1065.1

SIEVE SIZE (mm)	WEIGHT RETAINED	PERCENT RETAINED	PERCENT PASSING	LOWER SPEC	UPPER SPEC	REMARK
150						
106						
75						
63						
53						
37.5						
26.5						
19						
16						
13.2						
9.5						
6.7	**0.0**	0.0	**100.0**			
4.75	**34.3**	3.2	**96.8**			
2.36	**324.0**	30.3	**69.7**			
1.18	**661.0**	61.9	**38.1**			
0.6	**892.0**	83.5	**16.5**			
0.3	**1026.4**	96.1	**3.9**			
0.15	**1060.5**	99.3	**0.7**			
0.075	**1065.5**	99.7	**0.3**			
PAN	**1065.1**					
SIEVE CHECK FINE		0.00	0.3% max.			**REFERENCE MATERIAL**

OTHER TESTS	RESULT	LAB NO.	RESULT

REVIEWED BY:	Curtis Beadow	Joe Forsyth, P. Eng.