



SILT	SAND			GRAVEL		COBBLES
	fine	medium	coarse	fine	coarse	

Specimen Identification	Classification	MC%	LL	PL	PI	Cc	Cu
● 66830M	MANTLE SAND					0.94	3.7

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.

Specimen Identification	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay
● 66830M	9.50	0.66	0.330	0.1761	3.8	94.8	1.3	
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CLIENT Greely Sand and Gravel
 PROJECT Laboratory Testing - Spratt Road Pit

FILE NO. PM0754
 DATE 4 Oct 13

paterosongroup Consulting Engineers
 154 Colonnade Road South, Ottawa, Ontario K2E 7J5

GRAIN SIZE DISTRIBUTION

CLIENT: Greely S&G		DESCRIPTION: Sand		FILE NO.:	PM0754		
CONTRACT NO.:		SPECIFICATION: Mantle Sand		LAB NO.:	66830		
PROJECT: Lab Testing		INTENDED USE:		LOT/SUB:			
		PIT OR QUARRY: Pit		SEAL #:			
SAMPLED BY: Client		LOCATION: Spratt		DATE REC'D: 3-Oct-13			
DATE SAMPLED: N/A		SAMPLE LOCATION: N/A		DATE REQ'D:			
WEIGHT BEFORE WASH			A+B	461.3	DATE TESTED: 4-Oct-13		
WEIGHT AFTER WASH		A	B	A+B	457.5		
TESTED BY: RVW							
SIEVE SIZE	TOTAL WEIGHT RETAINED	CUM. WT RETAINED (A)	CUM. WT RETAINED (B)	% RETAINED	% PASSING	SPEC.	REMARK
150 mm							
106 mm							
75 mm							
63 mm							
53 mm							
37.5 mm							
26.5 mm							
19 mm							
16 mm							
13.2 mm							
9.5 mm	0.0	0.0		0.0	100.0		
6.7 mm	7.9	7.9		1.7	98.3		
4.75 mm	17.7	17.7		3.8	96.2		
2.36 mm	54.5	54.5		11.8	88.2		
1.18 mm	106.8	106.8		23.2	76.8		
0.600 mm	196.7	196.7		42.6	57.4		
0.300 mm	343.2	343.2		74.4	25.6		
0.150 mm	436.8	436.8		94.7	5.3		
0.075 mm	455.2	455.2		98.7	1.3		
PAN	456.8	456.8					
SIEVE CHECK		0.153	0.3% max.				

REFERENCE MATERIAL

OTHER TESTS	RESULT	LAB NO.	RESULT

REVIEWED BY: Curtis Beadow

DATE REPORTED: 7-Oct-13

APPROVED BY: Stephen J. Walker, P.Eng.