

SOIL-MAT ENGINEERS & CONSULTANTS LTD.

130 LANCING DRIVE, HAMILTON, ONTARIO L8W 3A1
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E-MAIL: info@soil-mat.on.ca WEB SITE: www.soil-mat.on.ca



PROJECT NO.: SM 124433-K

DECEMBER 13, 2012
REPORT NO. 1

ABCOTT CONSTRUCTION
123 GARDEN AVE.
BRANTFORD, ONTARIO
N3S 7W4

ATTENTION: MR. BOB WINDOVER, PROJECT MANAGER

COMPACTION TESTING
ECOLE SAINT MARGUERITE BOURGEOYS ADDITION
60 CLENCH AVENUE
BRANTFORD, ONTARIO

Dear Mr. Windover,

Please find attached our compaction test results conducted on November 8, 2012, at the above noted site. The results were found to be 98 percent Standard Proctor Maximum Dry Density.

One Standard Proctor Density Test was performed on a sample of material obtained from the site with the results presented below.

Sample Description	Max. Dry Density (kg/m ³)	Optimum Moisture Content (per cent)
Granular "A" 22mm Minus Crusher Run Limestone	2162	7.9.

One Grain Size Analysis was performed and compared to the gradation requirements of an Ontario Provincial Standard Specification (O.P.S.S.) Granular "A" material. The results are presented on Drawing No. 1, attached.

The compaction testing and reporting are undertaken to inform the Owner of the Contractor's performance at the time and locations of the testing and shall in no way augment the Contractor's quality control or relieve him of contractual responsibility.

We trust that this information meets with your approval. Should you have any further queries, please do not hesitate to contact the undersigned.

Yours very truly,
SOIL-MAT ENGINEERS & CONSULTANTS LTD.

Jim Thomson
Field and Laboratory Supervisor

JT/lm

Encl.: Density Measurement Table No. 1
Drawing No. 1

Dist.: Abcott Construction [2, plus pdf] Attention: Mr. Bob Windover
Conseil scolaire de district du Centre-Sud-Ouest, Attention: Mr. Richard Lehoux [pdf]

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SUMMARY OF IN-PLACE DENSITY MEASUREMENTS

PROJECT DESCRIPTION: Ecole Saint Marguerite Bourgeoys Addition PROJECT NO.: SM 124433-K DATE: November 08, 2012
Brantford, Ontario

AREA TESTED: Granular Base, Underside of Slab TABLE NO.: 1

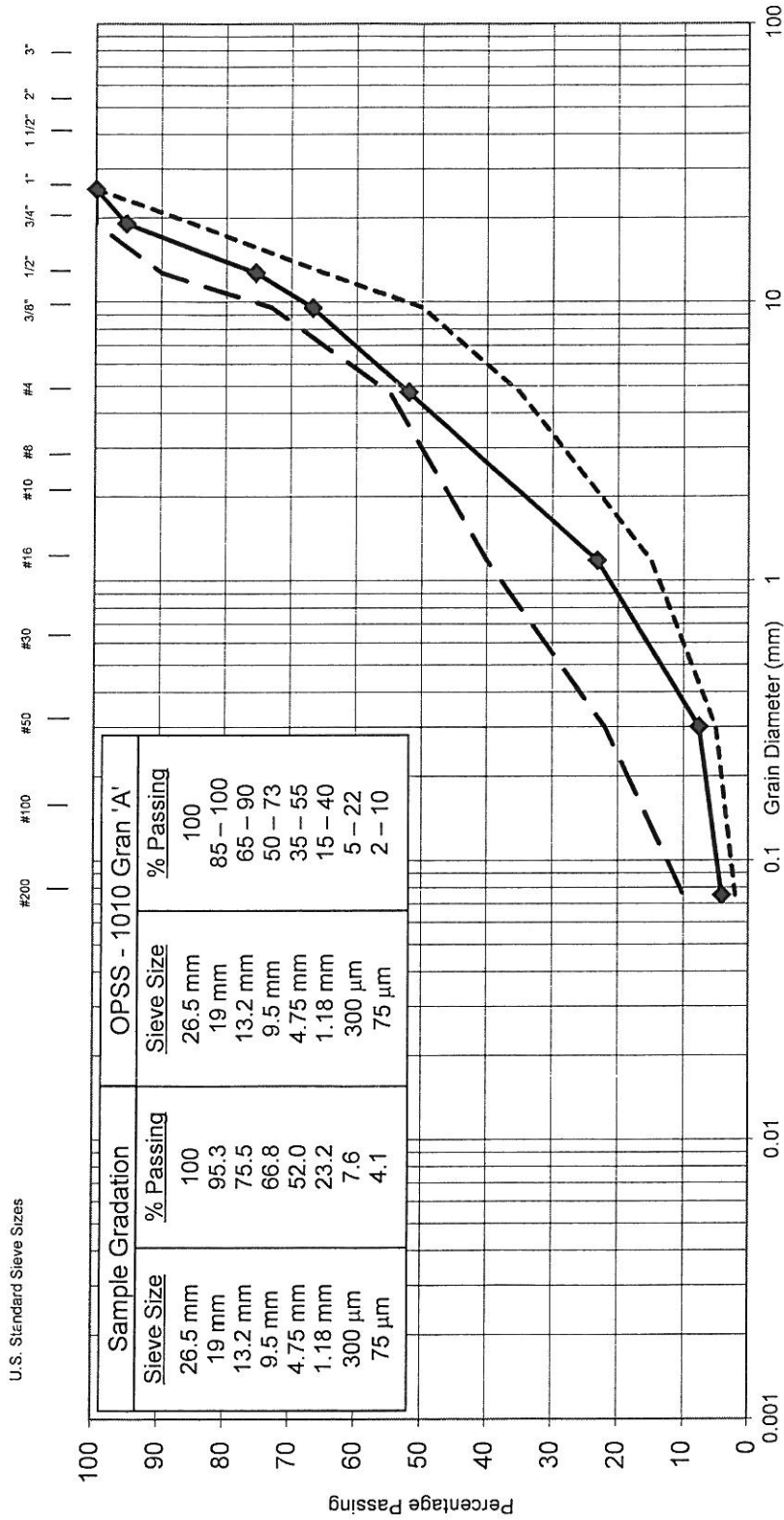
TEST NO.	TEST LOCATION	BACKFILL DESCRIPTION	Wet Density (kg/m ³)	Dry Density (kg/m ³)	Water Content (%)	Max. Dry Density (kg/m ³)	Water Content (%)	Compact. %	MEET REQ.
1	6m E, 1m S of New Sump-pump, at floor base level.	Granular "A" 22mm Minus Crusher Run Limestone	2194	2114	3.8	2162	7.9	98	Yes
2	13m E, 1m S of New Sump-pump, at floor base level.	Granular "A" 22mm Minus Crusher Run Limestone	2190	2110	3.8	2162	7.9	98	Yes
3	5m E, 9m N of New Sump-pump, at floor base level.	Granular "A" 22mm Minus Crusher Run Limestone	2208	2140	3.2	2162	7.9	99	Yes

COMPACTION REQUIREMENTS: 98 Percent Standard

OBSERVATIONS / COMMENTS:

FIELD TECHNICIAN:
 Kristin Spafford

Mechanical Analysis



Clay	Silt		Sand		Gravel	
	Fine	Medium	Coarse	Fine	Medium	Coarse
<p>MODIFIED M.I.T. CLASSIFICATION</p> <p>Granular "A" 22mm Minus Crusher Run Limestone</p>						
<p>SOIL-MAT ENGINEERS & CONSULTANTS LTD.</p> <p>Ecole Saint Marguerite Bourgeoys Addition Brantford, Ontario</p>						
<p>Drawing No.: 1</p>				<p>Project No.: SM -124601-K Lab No.: 12-548</p>		