



# **Soil Engineers Ltd.**

CONSULTING ENGINEERS

**GEOTECHNICAL • ENVIRONMENTAL • HYDROGEOLOGICAL • BUILDING SCIENCE**

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Reference No.: 2205-M163

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Skira and Associates Ltd.  
3464 Semenyk Court  
Suite 100  
Mississauga, Ontario  
L5C 4P8

**Attention: Mr. Roman Kerkusz, P. Eng**

**Re: Addendum to Soil Report  
Watermain Bedding Material and Pavement Design  
DiBlasio Estate  
6620 Rothschild Trail  
City of Mississauga**

**Dear Sir:**

We reviewed our Soil Investigation Report, Reference No. 1406-S151, dated August 2014 for the captioned site and present herein our recommendations for pipe bedding and pavement design.

## **Watermain Bedding**

Based on the soil information and the site servicing drawing prepared by Skira and Associates, it is understood that the proposed watermain will be founded on silty sand till.

A Class 'B' bedding, consisting of 19-mm Crusher-Run Limestone compacted to 100% Standard Proctor dry density or Granular D, Limestone Screening is recommended for the construction of the watermain. In areas where more extensive dewatering is required, a Class 'A' bedding should be considered. All bedding material shall be placed and conform in accordance with the Region of Peel standard drawing and specifications.

## **Pavement Design**

Based on the above-mentioned soil report, the recommended pavement design is presented in the following table:



Course	Thickness (mm)	OPS Specifications
Asphalt Surface Course	40	HL-3
Asphalt Binder Course		
Local Road	80	HL-8
Light Duty Driveway/Parking	65	HL-8
Granular Base		
Local Road	200	Granular 'A' or equivalent
Light Duty Driveway/Parking	200	
Granular Sub-base		
Local Road	350	Granular 'B' or equivalent
Light Duty Driveway/Parking	250	

All the granular bases should be compacted to their maximum Standard Proctor dry density.

In preparation of the subgrade, the subgrade surface should be proof-rolled, and any soft subgrade, organics and deleterious materials within 1.0 m below the underside of the granular sub-base should be subexcavated and replaced with properly compacted organic-free earth fill or granular material.



The above recommendations are based on the soil investigation findings and the City of Mississauga minimum design requirements.

All other recommendations in the original soil report shall be followed during construction.

Should any queries arise, please feel free to contact this office.

Yours very truly,  
**SOIL ENGINEERS LTD.**

  
Catherine Mappala, C.E.T.  
BL/CM:pp

  
Benjamin Lee, P. Eng.  


Copy: Di Blasio Corporation – Attn: Mr. Selo Clark Di Blasio  
Mr. Alvaro Di Blasio