



SOIL-MAT ENGINEERS & CONSULTANTS LTD.

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PROJECT No.: SM 220223-G

November 22, 2023

MOUNTAINVIEW BUILDING GROUP
3350 Merrittville Highway – Unit 9
Thorold, Ontario
L2V 4Y6

Attention: Matt Vartanian
Planner, Project Manager

**SUPPLEMENTAL GEOTECHNICAL COMMENTS
PROPOSED RESIDENTIAL DEVELOPMENT
6378 MOUNTAIN ROAD
NIAGARA FALLS, ONTARIO**

Dear Mr. Vartanian,

As requested, SOIL-MAT ENGINEERS has prepared this Supplemental Geotechnical Comments letter in connection with the above noted project. This report should be read in conjunction with our recent geotechnical investigation report dated June 1, 2022.

It is understood that in response to comments from the City of Niagara Falls, additional comments regarding the potential for vibrations and disturbance to adjacent properties is being requested. At this time it is understood that development details are still yet to be finalised, however SOIL-MAT ENGINEERS has been provided the most recent Concept Plan dated December 21, 2022, which indicates the development to consist of a six-storey residential building with one underground parking level as well as surface parking, and be limited to the west side of the site, where relatively shallow depths of fill were encountered. Regardless, foundation design for the proposed development has not been finalised, however is anticipated to consist of shallow spread footings, as well as possible deep foundation schemes like driven piles, caissons, micropiles, or other possible foundation scheme. The installation of some of these foundations may result in the generation of vibrations, however the extent of which cannot be known at this time.

Regardless of foundation scheme utilised, a pre-condition survey of nearby structures will be conducted to determine if additional mitigation measures are required through the Building Permit process. Regular vibration monitoring will be conducted during the construction phase of the project to ensure that there are no negative impacts to surrounding properties. As part of the pre-condition survey process, all nearby residents will be provided with sufficient notice of upcoming construction, with contractors representative contact information

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We trust that these brief supplemental geotechnical comments are sufficient for your present requirements. Should you require any additional information or clarification as to the contents of this document, please do not hesitate to contact the undersigned.

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

A handwritten signature in blue ink, appearing to be "K. Richardson", with a long horizontal stroke extending to the right.

Kyle Richardson, P. Eng.
Project Engineer