SOIL-MAT ENGINEERS & CONSULTANTS LTD.

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PROJECT NO.: SM 220141-G April 23, 2025

MIKMADA HOMES
1442 Centre Road
Carlisle, Ontario
L0R 1H1

Attention: Adam Nesbitt
President

PRELIMINARY HYDROGEOLOGICAL CONSIDERATIONS
PROPOSED 18-STOREY BUILDING
388 MAIN STREET EAST
MILTON, ONTARIO

Dear Mr. Nesbitt,

As requested, SOIL-MAT ENGINEERS has prepared this Preliminary Hydrogeological Considerations letter in connection with the above noted project. This letter is based on our previous geotechnical investigation on site and latest development details, and should be read in conjunction with our geotechnical investigation report SM 220141-G dated February 4, 2025.

We understand that the proposed development will consist of two 18-storey residential towers with 6-storey podiums, and 3 underground parking levels, upon demolition of the existing structures located at the properties bounded by Main Street, Prince Street, Pearl Street, and Bruce Street in Milton, Ontario. It is understood that the proposed development will include excavations extending to depths of approximately 10 to 12 metres below the existing ground surface, to an elevation of perhaps 188 to 189 metres.

As noted above, SOIL-MAT ENGINEERS previously conducted a geotechnical investigation for the subject site [SOIL-MAT Report SM 220141-G dated February 4, 2025]. During this investigation, a total of thirteen [13] boreholes were advanced in the area of proposed structure, with seven [7] of the borehole locations fitted with a monitoring well. This investigation encountered overburden sandy clayey soils Queenston shale bedrock at depths of approximately 18 metres or more below the ground surface, at elevations of approximately 181 metres.

Water levels measured from the monitoring wells as part of our geotechnical investigation indicated groundwater at depths on the order of approximately 3 to 5 metres, at an elevation of approximately 194 to 196 metres. As such, based on the proposed construction depths, excavations are expected to extend below the groundwater level.

As such, it is recommended that the building foundations be constructed as water tight, and further hydrogeological assessments studies including a construction dewatering assessment be conducted. Such studies would require hydraulic conductivity testing at the existing monitoring well locations and detailed analysis of the proposed excavation dimensions to establish peak dewatering rates, and requirements for potential Environmental Activity and Sector Registry [EASR] or a Permit to Take Water [PTTW]. It is understood that such studies will be conducted at a later date, once required.

We trust that these supplemental hydrogeological 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.

Kyle Richardson, P. Eng.
Project Engineer

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