



January 23, 2023

2704183 Ontario Inc.  
3625 Rivergate Way  
Ottawa, ON  
K1V 2A4

Attention: Mr. Domenic Santaguida

**TECHNICAL MEMORANDUM – GEOTECHNICAL REVIEW OF SUBMISSION DRAWINGS FOR CONFORMANCE TO GEOTECHNICAL RECOMMENDATIONS FOR 1940 CARLING AVENUE CITY OF OTTAWA FILE D07-12-22-0001**

Kollaard Associates Inc. (Kollaard) has reviewed the Civil Engineering Drawing Number C101 *Removals, Site Servicing, Lot Grading, Drainage, Sediment and Erosion Control Plan* prepared by McIntosh Perry Consulting Engineers Ltd. (McIntosh Perry) Rev 4 dated August 24, 2022.

Kollaard has also reviewed the Architectural Drawings A-100 *Architectural Site Plan* Rev.5 dated August 16, 2022 and A102 *Basement and Main Level Plan* prepared by Woodman Architect & Associates Ltd. dated November 23, 2022.

Kollaard has received written confirmation of the proposed underside of footing elevation from the Structural Engineer as the Civil drawings refer to the Structural Drawings for this information. It is understood that the USF elevation will be 78.20 m.

From the information provided on the above noted documents it is noted that:

- The proposed building will be founded on a conventional cast-in-place concrete foundation bearing on bedrock;
- The excavation for the foundation will extend between about 0.7 m and 2.0 m below the surface level of the bedrock;
- The proposed foundation wall of the building extends to 1.2 m from the property line;
- The USF will be about 0.8 m above the groundwater level measured at the site during the geotechnical investigation;
- The proposed foundation will be provided with a perimeter drain discharging by sump pump to the municipal storm sewer.

Based on the above, Kollaard has found that the recommendations in the geotechnical report have been correctly interpreted and the above reviewed submission drawings are in conformance with the recommendations in the geotechnical report.

Unless there are substantial changes to the information and design in the submission drawings, no subsequent revisions need to be reviewed from a geotechnical perspective.

Due to the proximity of the proposed foundation wall to the property line, it is expected that either shoring will be required or the excavation will extend to and beyond the property lines. This means that the Building Code Services Protocol for Excavation and Shoring where a foundation wall is



located within 3m of the property line will have to be followed. If permission for encroachment on the neighbouring property cannot be obtained, it is recommended that a shoring specialist be retained to review the shoring requirements.

We trust this memorandum provides sufficient information for your present purposes. If you have any questions concerning this memorandum, please do not hesitate to contact our office.

Regards,

Kollaard Associates Inc.



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Steve DeWit, P.Eng.