

April 2, 2024

VIA clerks@vaughan.ca

Office of the City Clerk
Vaughan City Hall
2141 Major Mackenzie Dr.
Vaughan, ON L6A 1T1
Canada

To Whom it May Concern:

RE: 8261 HWY 50, VAUGHAN, ON – PROPOSED RETAINING WALL ENCROACHMENT
(A160/22 - REQUEST FOR ADJOURNMENT)

Further to our letter dated March 27th, 2024 we advise the Committee of Adjustment that the applicant's consultant team (Mr. Rosario Sacco and Ms. Amy Shepherd) have reached out to GEI Consultants Ltd. ("GEI") and the Lakeshore Group following the request for adjournment to Application A160/22 submitted on behalf of Anatolia Capital Corp. ("Anatolia"). Mr. Sacco has supplied revised UEL SP-1 and EC-1 drawings (consisting of minor annotation changes), as well as clarified that the proposed retaining wall structure located along the entire western portion of Anatolia's property is not proposed to encroach. Notwithstanding this, as set out in GEI's letter dated April 3rd, 2024 (appended hereto), concerns regarding the retaining wall structure's encroachment on Anatolia's property and appropriate setback distances of such structure remain unchanged.

Accordingly, we respectfully maintain our request for adjournment of Application A160/22. Such request will allow GEI, Lakeshore Group, and the applicant's consultant team sufficient time to meet to discuss the retaining wall design in order to address the aforementioned concerns.

Should you have any questions, please feel free to contact me at (416)-364-5926.



Sincerely,
The Lakeshore Group

David Ashbourne, MES(PI.), MCIP, RPP
Vice President

CC:

David Harding, City of Vaughan
Joshua Cipolletta, City of Vaughan
Judy Jeffers, City of Vaughan
Chris Metaxas, GEI Consultants Ltd.
Rick Pennycooke, Lakeshore Group



April 3, 2024

The Lakeshore Group
TH03 - 10 Morrison Street
Toronto, Ontario
M5V 2T8

Attn: David Ashbourne, MES (Pl.), MCIP, RPP, Vice President

**RE: Technical Evaluation and Recommendations for
UEL Cross Section SEC-2 Wall Design
8261 Highway 50, Vaughan
Project No. 2403235**

Upon review of the UEL Cross Section SEC-2, it is observed that the section depicts an exposed wall height of up to 1.45 meters, in accordance with Section 5-5. As per the information provided in the UEL correspondence, for compliance with OPSD 3120.100, the wall design must either be a Type 2 or Type 3 structure.

Given the assumption of a Type 2 wall configuration, the design specifications from the front face at the edge of pavement up to a height of 1.45 meters, with a 1H : 12V slope, result in a 0.12-meter batter to the top of the wall. The wall's top width is to be 0.45 meters. Furthermore, the design will taper from the top of the wall downward at a 1:3 batter to a depth of 1.9 meters (which includes the 1.45-meter wall height plus 0.45 meters for embedment), totaling a 0.64-meter extension. Consequently, the total dimension for the back of the wall is calculated to be 1.21 meters, excluding the space required for backfill materials, among other considerations.

This configuration does not accommodate the necessary provisions for temporary excavation behind the wall within ZZEN property without encroachment onto Anatolia's property. This limitation notably impacts the ability to:

- Incorporate drainage materials effectively.
- Adhere to the OHSA O.Reg. 213/91 requirements, ensuring safe excavation practices that allow workers to form and place concrete safely.
- Meet OHSA regulations concerning temporary sloping. Though the OPSD shows a 1H : 10V slope, temporary sloping typically requires a 1H : 1V inclination to ensure safe working conditions.
- Consider the OPSD design's incapacity to support surcharge loading anticipated from future Anatolia projects.

The above considerations apply irrespective of the wall type considered, whether armorstone, OPSD, or any other pre-cast concrete modular block system.

GEI recommends that UEL provide a comprehensive design and engineered, sealed drawings that demonstrate the wall's ability to:

- Ensure zero encroachment through the design of the wall and temporary excavation cuts.
- Satisfy the Ministry of Labour's OHS A O. Reg. 213/91 requirements to ensure safe working conditions.
- Prevent any adverse impacts on the Anatolia property due to construction activities.
- Accommodate future Anatolia requirements concerning equipment loading surcharges and similar needs.

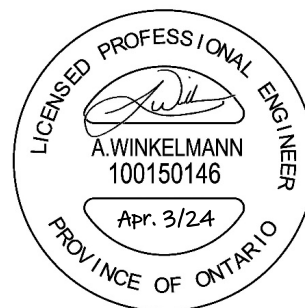
With UEL drawings in hand there is the opportunity to collaborate on a possible solution to satisfy both parties. It is also pertinent to note that while other engineered solutions similar to OPSD 3120.100 may technically be feasible, they are likely to encounter similar issues relating to OHS A compliance and the challenges posed by temporary excavations, primarily due to the wall's height and the requirements for a footing embedment.

We trust this information is sufficient for your present purposes. Should you have any questions concerning the above, or can be of any further assistance, please do not hesitate to contact the undersigned.

Yours truly,
GEI Consultants



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