

September 1, 2021

Project No. 18108181

Mr. Hitesh Gajiwala, P.Eng.

TMD-Atria Corporation
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Toronto, ON
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**290 – 302 GEORGIAN DRIVE –APPLICATIONS SUBMISSION NO. 3
CITY OF BARRIE COMMENT RESPONSES**

Dear Hitesh,

Golder received a copy of the comments from the City of Barrie (the City) staff in response to the third application submission for the proposed development at 290 – 302 Georgian Drive, Barrie, ON (the Site) from MHBC on July 29, 2021. The following comment was provided by Katie Thompson and Stephanie Sabean of the City:

5. An updated hydrogeological study is required providing the seasonally high water table (i.e., Spring conditions) confirming that there will be no dewatering issues for proposed site development.

The geotechnical and hydrogeological investigation conducted by Golder (Golder, 2019), found that the shallowest measured water table elevation at the Site was on the order of 252.5 masl, which is 7.5 m below the planned finished floor elevation (259 masl). The attached figure provides an illustration of the relationship between the building structure and the measured groundwater levels at the Site.

Based on our professional experience, seasonal water table fluctuations in Simcoe County are generally on the order of 1 to 2 m. Even allowing for a rise of 2 m from the measured water levels, the water table would still be significantly below the finished floor elevation and the elevations of the footings. Based on the measured depth to groundwater, the site design plans, and the estimates of seasonal water level fluctuations it was concluded that active groundwater dewatering efforts would not be required for proposed site development.

We trust this information is sufficient for your current purposes. Please contact the undersigned at your convenience should you have any questions or require additional information.

Golder Associates Ltd.



David Dillon, P.Geo.
Hydrogeologist



Andrew J. Hagner, P.Eng.
Senior Geotechnical Engineer

DD/AJH/lh

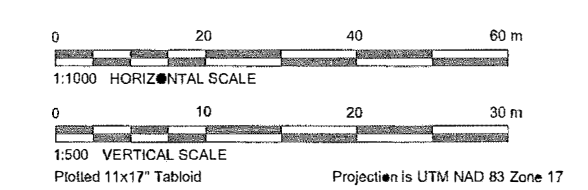
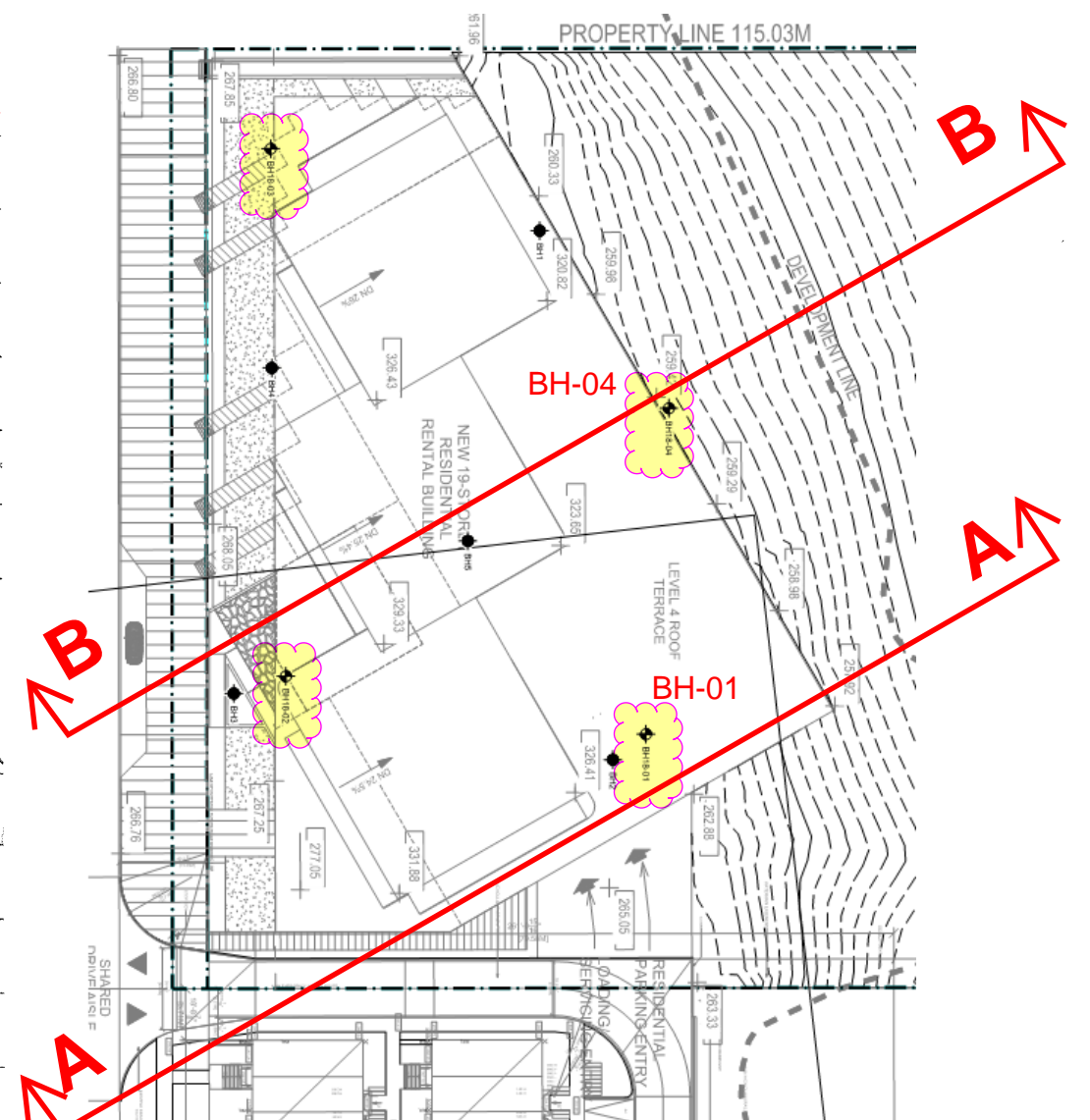
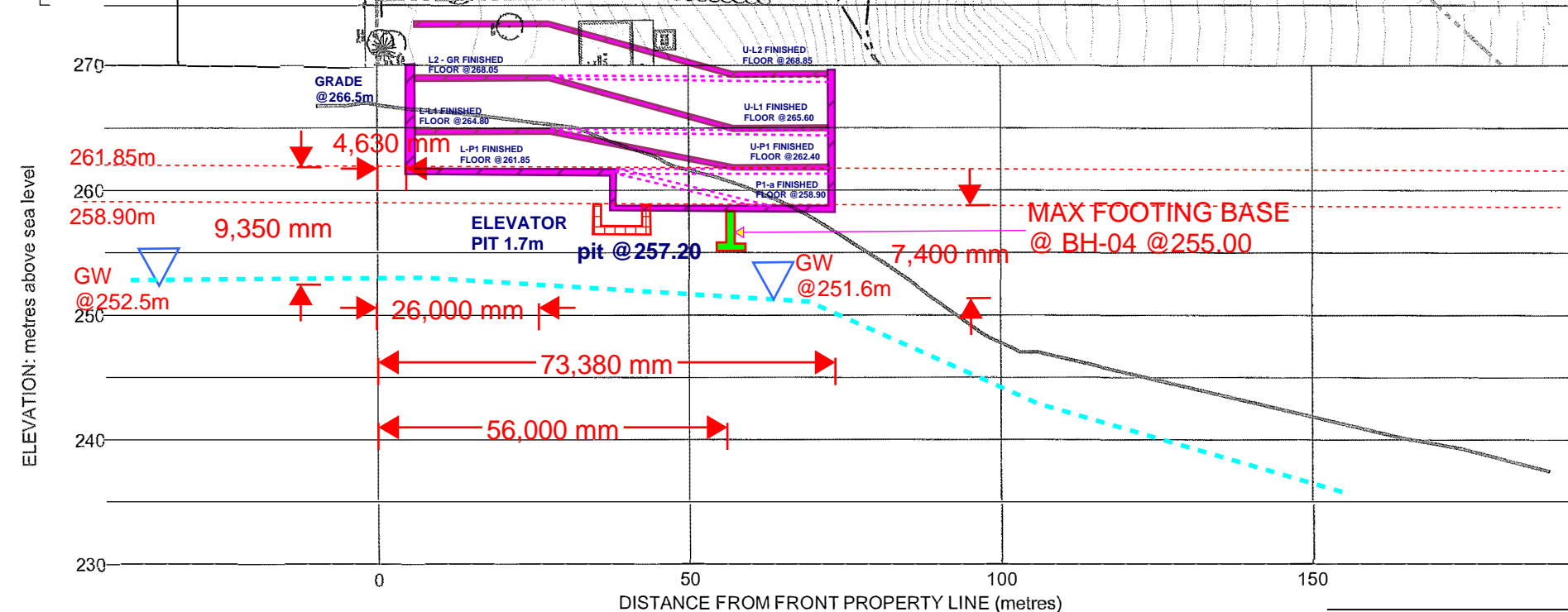
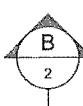
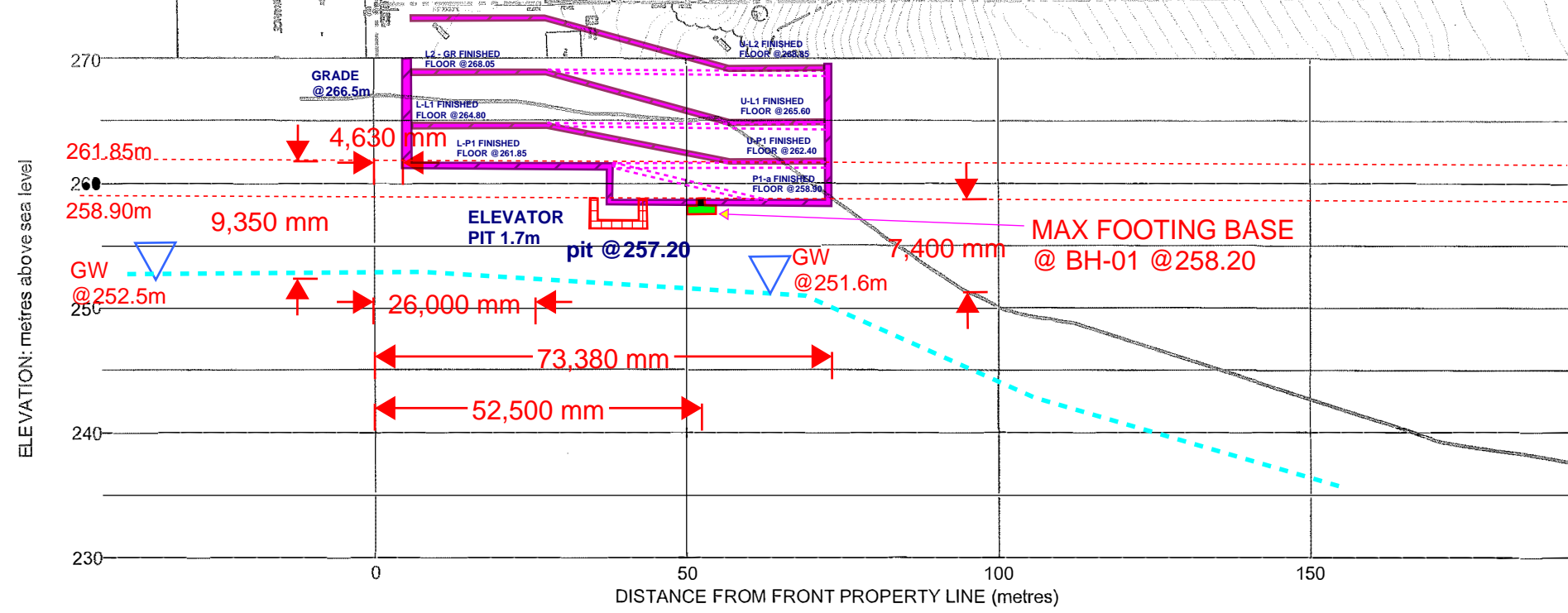
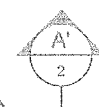
References

Golder Associates Ltd. 2019. Geotechnical and Hydrogeological Investigations. Proposed High Rise Development, The Georgian Apartments, 290, 294, 298 & 302 Georgian Drive, Barrie, Ontario. Report dated March 27, 2019.

Attachments: Figure 3 – Section of Slope A-A', Section of Slope B-B'

https://golderassociates.sharepoint.com/sites/32312g/2000_hydrogeo/correspondence/18108181_let_2021'09'01_hydrogeology_response_final-rev0.docx

290 GEORGIAN - BARRIE



CLIENT ATRIA DEVELOPMENT CORP.	PROJECT GEOTECHNICAL AND HYDROGEOLOGICAL INVESTIGATIONS PROPOSED HIGH RISE DEVELOPMENT 290-302 GEORGIAN DRIVE, BARRIE, ONTARIO
CONSULTANT GOLDER	TITLE SECTION OF SLOPE A - A' SECTION OF SLOPE B - B'
YYYY-MM-DD DESIGNED PREPARED REVIEWED APPROVED	2018-11-29 --- JPR RA --- AJH
PROJECT NO. 18108181	CONTROL 0001
REV. ---	FIGURE 3

Path: \\golder\069\gms\20181129\290-302\GIS\Drawings\Atria\Barrie_Geotechnical_Geological_20181129_Proposed_High_Rise_Development.dwg | Last Edited By: jpr | Date: 2018-11-29 | Time: 12:52:55 PM | Printed By: JPR | Date: 2018-11-29 | Time: 12:52:55 PM