

re: Geotechnical Response to City Comments
Proposed Mixed-Use Building
35 & 37 William Street - Ottawa
Vittoria Trattoria - **Mr. Domenic Santaguida** -
to: domenic.santaguida@vittoriatrattoria.com
to: Holzman Consultants Inc. - **Ms. Colleen Ivits** - c.ivits@holzmanconsultants.com
date: May 1, 2020
file: PG5042-MEMO.02

Further to your request and authorization, Paterson Group (Paterson) prepared the current memorandum to provide a geotechnical response to the applicable City of Ottawa engineering review comments for the subject site. This memorandum should be read in conjunction with our Report PG5042-1 Revision 1, dated February 6, 2020.

Comment and Response

Engineering Comment (No. 1.7)

As per the report, rock excavation will be necessary for basement depth. Please note that either a Pre-Blasting or a Pre-Construction Survey will be required in addition to Vibration monitoring to protect neighbouring properties and nearby municipal infrastructure within the ROW. These will be coupled with required pre and post CCTV sewer surveys.

Response

It should be noted that Pre-Construction Surveys and Vibration Monitoring will be completed where applicable in the near future as part the construction program for the proposed development.

Engineering Comment (No. 1.8)

Please speak to condition of any shale bedrock that may exist on this site, if applicable. Include appropriate recommendations for protection against heaving and/or rapid deterioration of shale bedrock (i.e. concrete mud slab) to protect exposed bedrock against ambient air and excessive dewatering. Further to above, a Construction Dewatering Management Plan will also be required.

Response

Based on the results of our investigation, the bedrock encountered throughout the subject site consists of a good to excellent quality grey limestone and is not considered susceptible to heaving and/or rapid deterioration. Therefore, bedrock protection measures pertaining to expansive shales are not considered applicable for the subject site.

We trust that the current submission meets your immediate requirements.

Best Regards,

Paterson Group Inc.



Drew Petahtegoose, B.Eng.



David J. Gilbert, P.Eng.

Paterson Group Inc.

Head Office and Laboratory
154 Colonnade Road South
Ottawa - Ontario - K2E 7J5
Tel: (613) 226-7381 Fax: (613) 226-6344

Northern Office and Laboratory
63 Gibson Street
North Bay - Ontario - P1B 8Z4
Tel: (705) 472-5331 Fax: (705) 472-2334

St. Lawrence Office
993 Princess Street
Kingston - Ontario - K7L 1H3
Tel: (613) 542-7381