

re: **Geotechnical Response to City Comments**  
**Proposed Hillside Development**  
**3277 St. Joseph Boulevard - Ottawa**

to: Landric Homes - **Mr. Matthew Firestone** – [matthew.firestone@landrichomes.com](mailto:matthew.firestone@landrichomes.com)

to: DCR Phoenix Homes - **Mr. Michael Boucher** - [mboucher@phoenixhomes.ca](mailto:mboucher@phoenixhomes.ca)

date: April 28, 2022

file: PG5625-MEMO.04 Revision 1

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Further to your request and authorization, Paterson Group (Paterson) prepared this memorandum to provide responses to the geotechnical comments from the City of Ottawa regarding the proposed development at the aforementioned site. This memorandum should be read in conjunction with the current Geotechnical Investigation Report (Paterson Group Report PG5625-1 Revision 1 dated April 28, 2022).

#### **Comment A1: Geotechnical Investigation**

*The Drawings, Appendix 2 in the report need to be also extracted as individual files to be included within the drawing set for approvals, full size A1. Provide please them stamped also. Place additional notes for the contractor as required. i.e....." do not expose the City pipe or the materials around it" .....etc. Show a limit of excavation line on each of the sections provided to protect the City sanitary sewer and the material/earth surrounding it. These plans revised would clearly show the contractor what the work limits are. I need these updated plans that clearly protect the sewer prior to me circulating to City Stakeholders. Revise please.*

**Response:** Paterson added the lateral support zone of the pipe on each figure provided in the updated Geotechnical Investigation Report, and a note regarding protecting the sewer pipe and bedding material from being exposed during excavation works. These figures have also been stamped by the undersigned, as requested.

#### **Comment A2: Geotechnical Investigation**

*Section B-B: Does the proposed elevation of 72.50 match the grading plan. They appear to be different. Review/revise.*

**Response:** Noted. Paterson revised the cross-sections based on the latest grading plan. Reference should be made to the updated Geotechnical Investigation Report, which includes the revised cross-sections in Appendix 2.

### Comment A3: Geotechnical Investigation

*Section C-C: Does the proposed elevation match the grading plan. Check all your cross sections. Revise.*

**Response:** Paterson revised our cross-sections based on the latest received grading plan and building cross-sections. Please refer to the updated Geotechnical Investigation Report, which includes the revised cross sections in Appendix 2.

### Comment A4: Geotechnical Investigation

*The City needs to ensure their a assets are protected and may have to take a STUPID Ridiculous amount of \$ (say 1.5 Million or more) from the applicant up front and hold 100% until the project is complete specifically just for the protection of the sanitary sewer. It is in your best interest to represent your client whereby you propose Engineering controls to protect the City Sanitary pipe 1.) Just to get approval; 2.) To ensure your engineering controls can be satisfactorily accomplished on site. INFO.*

#### Response:

Acknowledged. Paterson has now prepared a Settlement Monitoring Plan (Paterson Group Memo PG5625-MEMO.02 Revision 1 dated April 28, 2022) and Vibration Monitoring Plan (Paterson Group Memo PG5625-MEMO.03 Revision 1 dated April 28, 2022) for the existing Class V Gloucester Cumberland Trunk Sewer Specifically which bisects the central portion of the site. These reports provide detailed engineering control in order to protect this City of Ottawa sanitary sewer pipe.

We trust that the current submission meets your immediate requirements.

Best Regards,

**Paterson Group Inc.**



Maha Saleh, P.Eng (Prov.)



Scott S. Dennis, P.Eng.

**Paterson Group Inc.**

**Ottawa Head Office**  
154 Colonnade Road South  
Ottawa – Ontario – K2E 5S9  
Tel: (613) 226-7381

**Ottawa Laboratory**  
28 Concourse Gate  
Ottawa – Ontario – K2E 7T7  
Tel: (613) 226-7381

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