

re: **Response to Engineering Comments**
 Proposed Residential Development - Half Moon Bay - Phase 8 - Ottawa
to: City of Ottawa - **Ms. Amanda Marsh** - Amanda.Marsh@Ottawa.ca
to: Mattamy Homes - **Ms. Mina Rassa** - mina.rassa@mattamycorp.com
date: May 30, 2018
file: PG2992-MEMO.02

Further to your request and authorization, the current memorandum was prepared to respond to the City of Ottawa engineering comments for the aforementioned site. This memorandum should be read in conjunction with our geotechnical Report PG2992-1 Revision 1 dated February 21, 2018.

Geotechnical Comments

Item 52

Comment: Confirm if underground StormTech storage is acceptable with regards to groundwater table.

Response: The following servicing plan prepared by DSEL was reviewed as part of our assessment:

- ☐ Project No. 17-987, Drawing No. SSP-1 - Site Servicing Plan Block 40 - Half Moon Bay Phase 8, Revision 1 dated April 3, 2018.

Based on our review of the above noted drawing and the findings of our geotechnical investigation, the invert level of the proposed stormwater retention tanks ranges between 93.19 and 93.26 m while the long-term groundwater level ranges between 89.5 and 91.5 m. The proposed tanks were designed following the City of Ottawa standards where the invert of the stormwater chambers is at a minimum vertical separation of 1 m from the long-term groundwater table. Based on the above, the underground stormwater tank locations and elevations are acceptable from a geotechnical perspective.

We trust that this information satisfies your requirements.

Best Regards,

Paterson Group Inc.



Faisal I. Abou-Seido, P.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