

**re: Geotechnical Response to City Comments**  
**Proposed Residential Development**  
**Summerside West - Mer Bleue Road - Ottawa**

**to: Mattamy Homes - Mr. Conor Sutherland** - conor.sutherland@mattamycorp.com  
**to: Mattamy Homes - Ms. Jillian Normand** - jillian.normand@mattamycorp.com

**date:** November 26, 2018  
**file:** PG4049-MEMO.13

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As requested, Paterson Group (Paterson) prepared the following memorandum in response to the below city comments regarding the aforementioned development.

This memorandum should be read in conjunction with our Report PG4049-MEMO.10 Revision 2 dated November 26, 2018.

**Comment 1:** *It is also recommended that the consultant comment on the effects of existing pre-consolidation piles, grade raises, and any future proposed development that might affect the calculated factor of safety. This might result of stronger factors of safety however comments regarding the potential effects should be discussed.*


Please refer to our Report PG4049-MEMO.10 Revision 2 dated November 26, 2018. The effects of the preload piles and grade raises were accounted for in our original calculations. No surcharge pile is planned to be placed within the 15 m setback for the limit of hazard lands. At worst case, the surcharge pile will be 50 m at minimum from the top of slope of McKinnon's Creek. Therefore, the global slope stability of the bank slopes of McKinnon's Creek will be unaffected by the surcharge piles and proposed grade raises for the future development.

We trust that this information satisfies your immediate requirements.

**Paterson Group Inc.**

  
Nathan F. S. Christie, P.Eng.



  
David J. Gilbert, P.Eng.

**Paterson Group Inc.**

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