

Ms. Farrah Ward
Claremont Developments Inc.
3190 Steeles Avenue East, Suite 300
Markham, Ontario, L3R 1G9

Dear Ms. Ward:

**Re: Compliance with Engineering Design Guidelines
5113 Old Brock Road, Claremont
City of Pickering**

We are pleased to provide this letter regarding the recent submission of the Functional Servicing and Stormwater Management Report (FSSR) for the proposed Draft Plan of Subdivision located at 5113 Old Brock Road in Claremont.

We confirm that the proposed preliminary design of the road and lot grading, storm sewers and stormwater management facilities is in compliance with the new (2020) City of Pickering Engineering Design Guidelines, with the exception of the West dry SWM pond and the Southeast wet SWM pond.

Specifically, the City's new Stormwater Management design guidelines state that "*Quantity control storage is to be provided in addition to requirements for extended detention (i.e., the quantity control storage is stacked on top of the extended detention storage).*" The preliminary designs presented in the FSSR currently do not account for stacked storage.

For the West dry pond, the required stacked storage can be accommodated with the current design, while still maintaining 0.64 m of freeboard from the controlled stacked 100 year water level to the top of pond. This is expected to be sufficient to provide the required 300 mm of freeboard above the maximum water level of the uncontrolled 100 year or uncontrolled Regional storm flow, whichever is greater, on the emergency spillway to the top of the pond berm.

With the current preliminary grading for the Southeast wet pond, the required stacked storage would result in a freeboard of 0.27 m from the controlled stacked 100 year water level to the top of pond. In order to provide the required 300 mm of freeboard above the maximum water level of the uncontrolled 100 year or uncontrolled Regional storm flow, whichever is greater, on the emergency spillway to the top of the pond berm, the pond can be expanded to the south.

Please contact the undersigned if you have any questions or require any additional information.

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City of Pickering

File #: 1470
August 9, 2021
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Sincerely,

SCS Consulting Group Ltd.



Sarah Kurtz, P. Eng.
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