

July 31, 2013
Our Ref: L09-301

Town of Newmarket
PO Box 328, Station Main
395 Mulock Drive
Newmarket, ON L37 4X7

Attention: Mr. Rick Bingham, C.E.T.
Manager, Engineering & Technical Services

Dear Mr. Bingham:

Re: Revised Stormwater Management (SWM) Plan (Without Prejudice)
Marianneville Development (Glenway Golf Course Redevelopment)
Town of Newmarket, Regional Municipality of York

Further to the Glenway Technical Meeting #2 at the Town of Newmarket (Town) Offices July 15th 2013, Cole Engineering Group Ltd. (Cole Engineering) has prepared an update to only the SWM section of the Functional Servicing Report (FSR) for consideration by the Town. While we acknowledge that there are outstanding comments from both the Town and Lake Simcoe Region Conservation Authority (LSRCA), we have prepared this update to only illustrate the proposed SWM Plan for the alternate development scenario. It is intended that all other technical comments will be addressed in a comprehensive resubmission subsequent to confirmation of the development plan layout.

Specifically, this revision considers the development scenario where the proposed ponds are located within parkland and open space around the SWM ponds between John Bower Crescent, Glenway Circle, and Crossland Gate with new residential development adjacent to Kirby Crescent. In this development scenario, we have removed the retaining walls within the pond blocks, made provisions for maintenance access, and preserved significant portions of existing mature trees and significant landforms.

As with the previous SWM Plan, the proposed development includes the expansion of four (4) of the existing Golf Course / SWM ponds to provide quality and quantity control for the proposed infill residential development. These have been identified as Ponds 4, 6, 8, and 9 in our SWM Plan.

Where reasonable, the design has met the Town's engineering design standards with some variances to balance other design considerations, however; all designs meet the Ministry of Environment (MOE) design standards identified in Table 4.6 of the MOE Planning and Design Manual (2003). A summary of how the proposed Pond designs conform to the Town's criteria and any variations are summarized in table below:

Summary of SWM Pond Conformance to Design Standards

Pond. I.D. No.	Meets all Town Standards	Meets all MOE Standards	Exception Item from Town Standards	MOE Standard Utilized
Pond 4	YES	YES	-	-
Pond 6	NO	YES	4:1 Side slopes 7:1 Safety Shelf	3:1 Side slopes 5:1 Safety Shelf
Pond 8	YES	YES	-	-
Pond 9	NO	YES	4:1 Side slopes 7:1 Safety Shelf	3:1 Side slopes 5:1 Safety Shelf

While the proposed designs for Ponds 6 and 9 deviate from the side slope standards of the Town, the designs are consistent with the most recent provincial direction. The deviation is proposed to preserve the existing vegetated buffers of mature trees and landforms adjacent to Eagle Street as requested by the Town. It is our understanding through the Town that existing residents wish to preserve the existing mature trees abutting their properties and flattening the side slopes further would require the removal of these trees and other landforms requested to be preserved.

We believe that this SWM Plan provides a reasonable approach to satisfy the SWM requirements of the development while striking the appropriate balance to preserve the existing natural features that the existing residents enjoy.

Best Regards,

COLE ENGINEERING GROUP LTD.



Geoff Masotti, P.Eng.
Water Resources Engineer, Associate

c.: Joanne Barnett, Marianneville Developments Limited
Peter Slama, Cole Engineering Group Ltd.

Encls. Updated SWM Section of FSR