TATHAM ENGINEERING

115 Sandford Fleming Drive, Suite 200
Collingwood, Ontario L9Y 5A6

T 705-444-2565
E info@tathameng.com
tathameng.com

File 121036

April 19, 2024

Sheldon Hancock, C.E.T.
Engineering Technologist, Engineering Services
545 Tenth Line North, P.O Box 157
Collingwood, Ontario L9Y 3Z5
shancock@collingwood.ca

Re: 140 Mountain Road, Town of Collingwood
Fourth Submission - Response to Place Holder Comment No. 7 for Adjacent SWM Pond at 180 Mountain Road

Dear Sheldon:

This letter is in response to Town's Engineering Services Department Comment No. 7 dated November 20, 2024 as follows:

Comment 7: Place holder comment, as the developers will retain a hydrogeological engineer to address the comment: The submitted soil investigation reports are for the neighbouring properties and are 10+ year old. We have concerns that the permanent pool elevation of the pond located at 180 Mountain Road is higher than the finished floor for the subject site. Confirmation from a geotechnical engineer that ground water levels and the adjacent pond will not negatively impact the subject property should be provided.

Tatham Response: *Acknowledged and be advised, the proposed neighboring wetland SWMF will be constructed with native silty clay / silty sand till soils. Based on the previous geotechnical report completed by Soil Engineering, the native silty clay till has a calculated hydraulic conductivity of 10^{-6} to 10^{-8} cm/s which is consistent with a low permeability soil. It is industry standard material with a hydraulic conductivity of 10^{-6} cm/s or less is considered suitable liner material. As such the native on-site silty clay / silty sand till will be utilized in the construction of the adjacent wetland SWM facility and will act as a natural liner to prevent the negative impacts to the subject property.*

We trust this response is suitable for the Town, however let us know otherwise.

Yours truly,
Tatham Engineering Limited

Alicia Kimberly, P.Geo.
Group Leader- Hydrogeology
KRS:rlh

copy:	Chris Millsap	MVP Holdings	chrismillsap@mvpholdings.ca
	Kristine Loft	Loft Planning	kristine@loftplanning.com

O:\Collingwood\2021 Projects\121036 - 140 Mountain Road\Submissions\4. Fourth Submission\L - Hancock - Wetland Interferance.docx