August 19, 2024

Alana Perez, Water Resources Engineer
Mississippi Valley Conservation Authority
10970 Highway 7
Carleton Place, ON
K7C 3P1

Dear Ms. Lam:

Re: SWM Review of the Draft Plan of Subdivision Application at 355 Franktown Road, Township of Carleton Place
MVCA File No.: PCPSB-21

This letter addresses the MVCA comments dated July 26, 2024, in response to the Draft Plan of Subdivision application for the proposed development at 355 Franktown Road. We are pleased to provide the following updated plans and reports in support of our responses to the comments received:

- Servicing and Stormwater Management Report Rev 5 (August 16, 2024), prepared by McIntosh Perry.

1.1 Servicing and Stormwater Management Report

- When comparing the Post-development Drainage Plan between Rev 01 (September 1, 2023) and Rev 04 (June 14, 2024), an existing drainage area B3 has been decreased from 0.69 ha to 0.57 ha. It appears the additional area has been added to drainage area B5, however the area of B5 does not change (4.47 ha) and the area difference does not appear to be included in the PCSWMM model schematic. Please review.

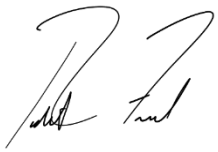
  MP Response: As discussed with MVCA staff, the stormwater model will be updated for the first detailed design submission so that all draft plan conditions are considered before the updates are made along with coordination with adjacent developments.

- Comment #3 in the Response to Technical Comments dated March 28, 2024, regarding the provision of 0.3 m freeboard in the dry pond is not clearly addressed. Civil drawings show the 100-year ponding elevation at 133.47 m and the bottom of the outlet control weir at 133.40 m. Section 8.3.11.5 of the City of Ottawa's Sewer Design Guidelines (2012) indicates that dry ponds should have a freeboard of 0.3 m between the 100-year water elevation and the overflow elevation. With the proposed design, it appears 100-year ponding elevation will overflow the weir, even though Table 10 indicates that excess storage is available. Please review and clarify.

  MP Response: As discussed with MVCA staff, the storage area should be considered as a depressed storage area as opposed to a dry pond. The stormwater area restricts stormwater via the inlet control device which will be installed on the inlet side of the 250mm outlet pipe. The ICD has been sized for the minor storm events. In the 100-year storm event, the ICD and weir work in tandem to control stormwater to the allowable release rate. Storms in excess of the 100-year event will overtop the weir and be collected by DICB5 before

being conveyed to the downstream watercourse. Additional language regarding the quantity control design has been noted in Sections 5.2 and 6.5.

Respectfully Submitted,



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