

September 11, 2024

720 Granite Court,
Pickering, ON
City File No. OPA 23-004/P; A 10/23

To whom it may concern:

This engineering re-submission is made in response to the first round of comments. Our responses will deal with the engineering part (Civil).

Engineering Comments – Nov. 6, 2023

General Comments:

- 2 Construction and restoration notes are indicated on plans SS-1 & GR-1.
- 3 The long-term groundwater flow rate is very low (0.026 L/s) and below the EASR limit of 50,000 L/s; therefore, the long-term groundwater is proposed to discharge into the sanitary sewer. A discharge permit from the Region will be required.
- 4 The selection and design of the temporary dewatering system will be prepared by a dewatering contractor. At the time of construction and prior to the discharge of groundwater, the dewatering contractor will need to ensure all appropriate approvals are met.
- 5 See Grading Plan (GR-1) for the proposed sidewalk transition to the existing on White's Road

Functional Servicing and Stormwater Management Report:

- 14 Report is sealed and signed

Water Resources Comments:

- 1 Quantity control revised to 2-yr pre-development
- 2 Runoff coefficient updated with factor of 1.25
- 3 Storm connection revised to 2% min. slope and sized to meet the allowable release rate
- 4 Control MH1 to MH2 (200mm diameter storm sewer @ 1.75%) is sized to match the allowable release rate of 43.3 L/s
- 5 See updated Figure 03
- 6 See updated Figure 03

- 7 See Section 6.2 of the FSR for analysis of pre and post from the north area
- 8 A combination of OGS and infiltration is implemented to meet the 80% TSS removal rates
- 9 Attached in Appendix C
- 10 See OGS sizing report in Appendix C
- 11 The 5mm water balance target is achieved with a combination of water re-use and the proposed infiltration trench
- 12 See the updated Grading Plan
- 13 See the updated Grading Plan
- 14 See the Detail Plan

Consideration for Detailed Design:

15-23 Acknowledged, will be provided at SPA

Fire Services:

2 A fire hydrant is provided within 45m of the Siamese connection

We trust that you will find this resubmission complete and in order. Should you have any questions, please contact the undersigned.

Yours very truly,

MASONGSONG ASSOCIATES ENGINEERING LIMITED

A handwritten signature in black ink, appearing to read 'Ken Lo', written over a horizontal line.

Ken Lo, LEL, C.E.T.
Project Manager

