

October 17, 2023

Tulloch Engineering
1942 Regent Street, Unit L
Sudbury, ON
P3E 5V5

Attention: Rebecca Dawson, EIT

PO BOX 5000 STN A
200 BRADY STREET
SUDBURY ON P3A 5P3

**Re: Sewer and Water Capacity Analysis
700 Paris, Sudbury
Township of Balfour**

CP 5000 SUCC A
200, RUE BRADY
SUDBURY ON P3A 5P3

The Development Engineering Section has reviewed your request for a Sewer and Water Capacity Analysis at the above noted location and have the following to report:

705.671.2489

www.greatersudbury.ca
www.grandsudbury.ca

A review of the sewage mains downstream from the proposed connection at MH-MCK-07-09-1122 700 Paris, revealed that the mains are capable of conveying the additional 25.7 L/s of flow expected from your development.

A capacity analysis performed by our WaterCAD model, developed the following results at the 200mm watermain junction J_S_5558 at an elevation of 272.26m

Values Obtained from Model

C.G.S. Minimum Requirements

Max Hour: 70 psi
Max Day: 71 psi
Fire Flow: 400 + l/s

- 40 psi
- 50 psi

The results of the WaterCAD analysis indicate that sufficient water capacity and pressure exist for the proposal in question.

It should be noted that these results are derived at by using a theoretical computer model based on our best available data. In the event that these developments do not proceed within a one (1) year period, then you should make the necessary arrangements to have a current analysis carried out to take into account any changes made in our sewer or WaterCAD models and to ensure that there is sufficient Sewage, Fire Flows and/or Domestic Pressures available for your proposal(s).

Should you have any questions or concerns please contact me at 671-2489 ext 2409.

Yours truly,



David Longarini
Development Engineering Technician

DVL/ds

cc: Akli BenAnteur, Wastewater Project Engineer, (Kelly Lake)