

City of Greater Sudbury  
City of Grand Sudbury



June 7, 2023

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JUN 12 2023

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

Attention: Peter Derro, P.Eng

**Re: Sewer and Water Capacity Analysis  
944 Falconbridge Development, Sudbury  
Township of Neelon**

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

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

705.671.2489

www.greatersudbury.ca  
www.grandsudbury.ca

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:

A review of the sewage mains downstream from the proposed connection at MH-5-471 Falconbridge Road, Sudbury, revealed that the sanitary mains are capable of conveying the additional 3.64 L/s of flow expected from your development. However, the Don Lita lift station does **not** have capacity for any additional sanitary flows at this time. In order to help the City prioritize lift station upgrades, please provide to the City a letter detailing project timelines to aid us in understanding the needs of this project.

A capacity analysis performed by our WaterCAD model, developed the following results at the 200mm watermain junction J\_S-3900 at an elevation of 269.59m,

Values Obtained from Model

C.G.S. Minimum Requirements

Max Hour: 74 psi  
Max Day: 78 psi  
Fire Flow: 250 + 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)

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OCT 29 2024

PLANNING SERVICES