

July 2, 2024

Tulloch Engineering  
131 Fielding Road  
Lively, ON  
P3Y 1L7

**RECEIVED**

**JUL 04 2024**

**PLANNING SERVICES**

Attention: Rebecca Dawson

**Re: Sewer and Water Capacity Analysis  
281 Falconbridge Road, Sudbury  
Township of Neelon**

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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 11-004 on Palm Dairy Road revealed that the mains are capable of conveying the additional 3.98 L/s of flow expected from your development.

A capacity analysis performed by our WaterCAD model, developed the following results at the watermain in front of property 445 Fabbro on existing 300mm watermain.

Values Obtained from Model

Max Hour: 75 psi  
Max Day: 76 psi  
Fire Flow: 700 L/s

C.G.S. Minimum Requirements

- 40 psi
- 50 psi
- 75 L/s R1, **100 L/s R3**

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 4469.

Yours truly,



Kyle Gorman  
Development Engineering Technician

KEG/ds

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

