

October 19, 2023

R.V. Anderson
436 Westmount Ave, Unit 6
Sudbury, ON
P3A 5Z8

Attention: Andrea Penny, P.Eng

PO BOX 5000 STNA
200 BRADY STREET
SUDBURY ON P3A 5P3

**Re: Sewer and Water Capacity Analysis
Corsi Townhomes, Sudbury
Township of McKim**

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-10-10 Corsi Hill, revealed that the mains are capable of conveying the additional 1.95 L/s of flow expected from your development.

A capacity analysis performed by our WaterCAD model, developed the following results at the 300mm watermain junction J_S-40110at an elevation of 305.05m

Values Obtained from Model

C.G.S. Minimum Requirements

Max Hour: 54 psi
Max Day: 55 psi
Fire Flow: 129 + 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 Ben-Anteur, Wastewater Project Engineer, (Kelly Lake)