

December 6, 2023

D.S. Dorland Limited
298 Larch Street
Sudbury, ON
P3B 1M1

Attention: Dave Dorland

**Re: Water Capacity Analysis
CKSO Road
Township of Broder**

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

CP 5000 SUCCA
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 capacity analysis performed by our **WaterCAD** model, developed the following results at the 200mm watermain tee at Hydrant HYD 4-063.

Values Obtained from Model

C.G.S. Minimum Requirements

Max Hour: 85 psi
Max Day: 85 psi
Fire Flow: 138 l/s

- 40 psi
- 50 psi
- 75 L/s for R1, 100 L/s for 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 2409.

Yours truly,



David Longarini
Development Engineering Technician

DVL/ds

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