

April 30, 2025

Attention: Adam Kvas, P.Eng

Re: Sewer and Water Capacity Analysis  
1253 Martindale  
City of Greater Sudbury, ON

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 14-211 Martindale revealed that the downstream mains are capable of conveying the additional 0.68 L/s of flow expected from your development.

A capacity analysis performed by our WaterCAD model, developed the following results at the 300mm watermain in front of property 1253 Martindale at an elevation of 263.7m.

#### Values Obtained from Model

Max Hour: 82 psi  
Max Day: 83 psi  
Fire Flow: 471 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 2409.

Yours truly,

A handwritten signature in black ink that reads 'David Longarini'.

David Longarini  
Development Engineering Technician

DVL/

Attachments ()

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