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RVA 236856

December 15, 2023

City of Greater Sudbury
P.O. Box 5000, Station A
Sudbury, ON
P3A 5P3

Attention: Linda Harnish

Dear Linda:

Re: Dalron-Remington Commercial
Sewer/ Water Capacity Request

RVA and Dalron are planning to proceed with the development of the M2 zoned lands between Algonquin and Regent Street with the master planned Remington Road.

RVA has reviewed the master servicing for the site and are proposing to drain approximately two thirds of the land's sanitary sewer flow to Algonquin and one third of the land's sanitary sewer flow to Regent Street. At this time, the specific land use is unknown, therefore RVA based the sanitary sewer flows on the City of Greater Sudbury and MCEP Design Manual Section 2.1.4 which notes that "where industrial flows are unavailable, an average flow of 0.2 - 0.5 L/s/ha can be used". RVA has presented a range of flows into each sewer for the City's capacity review.

We are proposing connecting the westerly development sewage flow to an existing sanitary manhole located on Algonquin Road, structure SAN MH 3-207. We have calculated the flow generated by the overall development to be within the range of 12 L/s – 14.3 L/s, which includes infiltration. We are proposing a second sewage flow from the development easterly lands to an existing manhole located on Regent Street, SAN MH 3-295. We have calculated a flow generated by the overall development to be within the range of 2.5 L/s – 4.3 L/s, which includes infiltration.

RVA is requesting the City confirm if there is sufficient capacity in the existing downstream sanitary sewer systems to handle this additional flow. If not, could we get a list of the infrastructure that would require upgrading to accommodate growth in the area. Since there has been a range given, it would also be helpful to identify if there is a point within the provided range that triggers the downstream upgrades, to assist Dalron in evaluating the project.

Additionally, RVA is requesting the City provide information on the water capacity at Valve 3-006 (Algonquin) and Valve 3-159 (Regent). The project would involve connecting these two lines together, creating a loop. RVA asks the City to also review the impacts of this looping.

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If there are any questions or comments, we would be happy to discuss them.

Yours very truly,

R.V. ANDERSON ASSOCIATES LIMITED



Digital signed by Andrea Penny, P.Eng.,
M.A.Sc.
Date: 2023-12-15 09:22:17 -05'00'
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c/o CA, o/R.V. Anderson Associates Limited,
our Sudbury Office,
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Reason: I am the author of this document
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Andrea Penny, P.Eng., M.A.Sc., ENV SP
Associate/ Project Manager

Encls.

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