



SAMSON ENGINEERING INC.

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May 20, 2016

City of Brandon Engineering Department
638 Princess Avenue
Brandon, MB R7A 0P3

Attention: Development Services Division

Subject: Water and Sewer services for 1570 18th Street, Brandon MB

Dear Sirs:

I write regarding the proposed re-development and expansion of the Brandon Shoppers Mall located at 1570 – 18th Street in Brandon, Manitoba. In particular this letter is to advise as to the anticipated utility demands for the proposed 5 Pad Sites, as no increases are anticipated for the SportChek expansion. Please find attached a preliminary civil drawing outlining the proposed re-development and expansion. We expect that of the five Pad Sites, 3 will be developed in the next 9 months and thereafter the other two.

Each Pad Site will need 5.4L/s (86 gal/min) peak flow for use and occupancy capacity. We believe that a coincidence factor of 0.5 will be applicable. As the pad sites are not anticipated to need sprinklers there will be no capacity requirement for fire suppression systems.

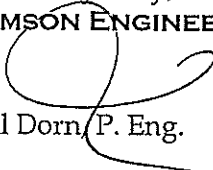
Our preliminary drawings indicate a 150mm (6") water line traversing from Richmond Avenue north to service each pad building with a 63mm (2 ½") water line as well as a hydrant at the south end of the proposed line for firefighting and flushing. Each pad building will have a 150mm (6") sanitary sewer line connecting to a 200mm (8") sewer line running back to Richmond Avenue for sanitary waste. We expect that sewer flows would be 85% of anticipated water flows.

As for drainage we anticipate a slight reconfiguration of the drainage pattern and the installation of four additional catch basins tied into the storm line under 18th Street. The pre and post development flows will be equal given that the site is presently hard surfaced and will remain hard surfaced.

Please find attached a drawing showing our plan for the sewer and water servicing to the sites.

Should you have any questions regarding the information provided in this letter, please do not hesitate to contact our office.

Yours very truly,
SAMSON ENGINEERING INC.


Phil Dorn, P. Eng.