



memorandum

To: City of Hamilton
Development Planning
Planning and Economic Development
City Hall, 71 Main Street W., 5th Floor
Hamilton, ON L8P 4Y5

attn: Sandra Al-Dabbaqh, Development Co-ordinator

From: *Brad Clarke, P. Eng*

Date: December 17, 2019

Re: 804 – 816 King Street West - Engineering Comment Responses

Dear Sandra,

We are in receipt of your comments dated February 15, 2019; with regard to the Functional Servicing & Stormwater Management Report and Engineering drawings, for the above-noted project.

We are pleased to forward to you our responses to each of the comments below.

Development Engineering Comments

- 1. Please confirm if the existing catch basins on site will be abandoned or connected to the proposed storm sewers.**

The existing catch basins will be abandoned and a note has been included on the General Plan of Services.

- 2. Please label the materials of all the pipes.**

The materials of all the pipes have been stated in the Standard Notes so as not to crowd the drawing; and will be PVC pipe, CSA B 182.2, SDR-35.

- 3. Provide more slope arrows, complete with slope values (%) on the grading plan.**

Slope arrows complete with slope values have been added to the grading plan.

- 4. Label all catch basins and manholes on the grading plan.**

All catch basins and manholes have been labelled on the grading plan.

- 5. Please provide a minimum of two (2) cross sections along the east and north sides of the subject site, complete with existing and proposed grades.**

Cross sections have been provided at the north and east property lines showing both existing and proposed grades.



- 6. Show and label the required road widening on King Street West, as well as the daylight triangle dedication at the intersection of King Street West and Paradise Road North.**

The required road widening on King Street West has been shown and labeled on the General Plan of Services and Grading Plan. The daylight triangle dedication on the southwest corner of the lot has also been shown and labelled on both plans.

Sanitary Sewer & Minor Storm Servicing Comments

- 7. It appears that the calculated sanitary flow presented in the wastewater generation report and the FSR did not account for a peaking factor or infiltration. The sanitary flow calculations must be updated and submitted to the City with the site plan application.**

Noted. However, this generation report typically only spells out the anticipated sanitary flows by the building; similar to the water.

- 8. There were no stormwater drainage area plans provided in the FSR. An updated report including drainage area plans must be submitted.**

Noted.

- 9. A servicing plan identifying connection to the municipal sewer must be provided.**

Noted. The municipal sewer connection is noted on the General Plan of Services.

Water Servicing Comments

- 10. The peak domestic water usage for the site based on the approximate fixture units approach for the development has been calculated as 6.8 L/s. The calculation of fixture units does not include any laundry facilities. Please verify if this is accurate and update as necessary.**

A laundry room is located in the basement and the fixture units have been updated appropriately to reflect this.

We trust that the above responses are satisfactory. Thank you for your anticipated co-operation in this matter. If you need additional information or clarification regarding the above, please do not hesitate to contact me.

Yours very truly,

Brad Clarke, P. Eng.
A. J. Clarke and Associates Ltd.