

# Memo

**To:** Rowena Santos, Regional Councillor, Wards 1 & 5, City of Brampton  
**From:** David Kellershohn, Associate Director, Engineering Services, TRCA  
**Cc:** Sameer Dhalla, Director, Development & Engineering Services, TRCA  
**Date:** 03/20/2024  
**Re:** Etobicoke Creek Flood Risk adjacent to Calvert and Duggan Parks in the City of Brampton

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Further to the request for flood hazard information in Calvert Park, near the Vodden Street Bridge, this memo has been prepared to describe known flood risks. The following key points are provided for consideration.

- The TRCA is responsible for creating and maintaining Flood Plain Mapping, and for providing Flood Forecasting and Warning services in accordance with the Conservation Authorities Act.
- Flooding within the Etobicoke Creek valley is a natural occurring process with the degree of flooding increasing as the severity of a storm event increases.
- During a 2-year storm event, flows within Etobicoke Creek are expected to begin spilling into the over bank areas adjacent to the channel, between Church Street and Williams Parkway.
- Significant flooding of the valley corridor occurs beginning with the 10-year storm event. As storm events increase in severity, flood depths and velocities also increase. During a Regional Storm event, flood depths can reach 3.6 m deep with a corresponding average velocity being 0.94 m/s. These depths and velocities would pose a significant risk to public safety.
- TRCA operates a Flood Forecasting and Warning Program which monitors weather forecasts and watershed conditions and issues flood messages to warn of high flood risks. As certain types of storms such as thunderstorms can be difficult to predict, and as the response of river flows to storm events can be sudden, the TRCA advises against allowing people to live in and/or congregate within the floodplain of Etobicoke Creek.
- The following image (Figure 1) provides an illustration of the extents of the Regional Storm event floodplain for Etobicoke Creek.

REFERRAL TO \_\_\_\_\_  
RECOMMENDED \_\_\_\_\_  
DIRECTION REQUIRED \_\_\_\_\_  
RECEIPT RECOMMENDED  \_\_\_\_\_

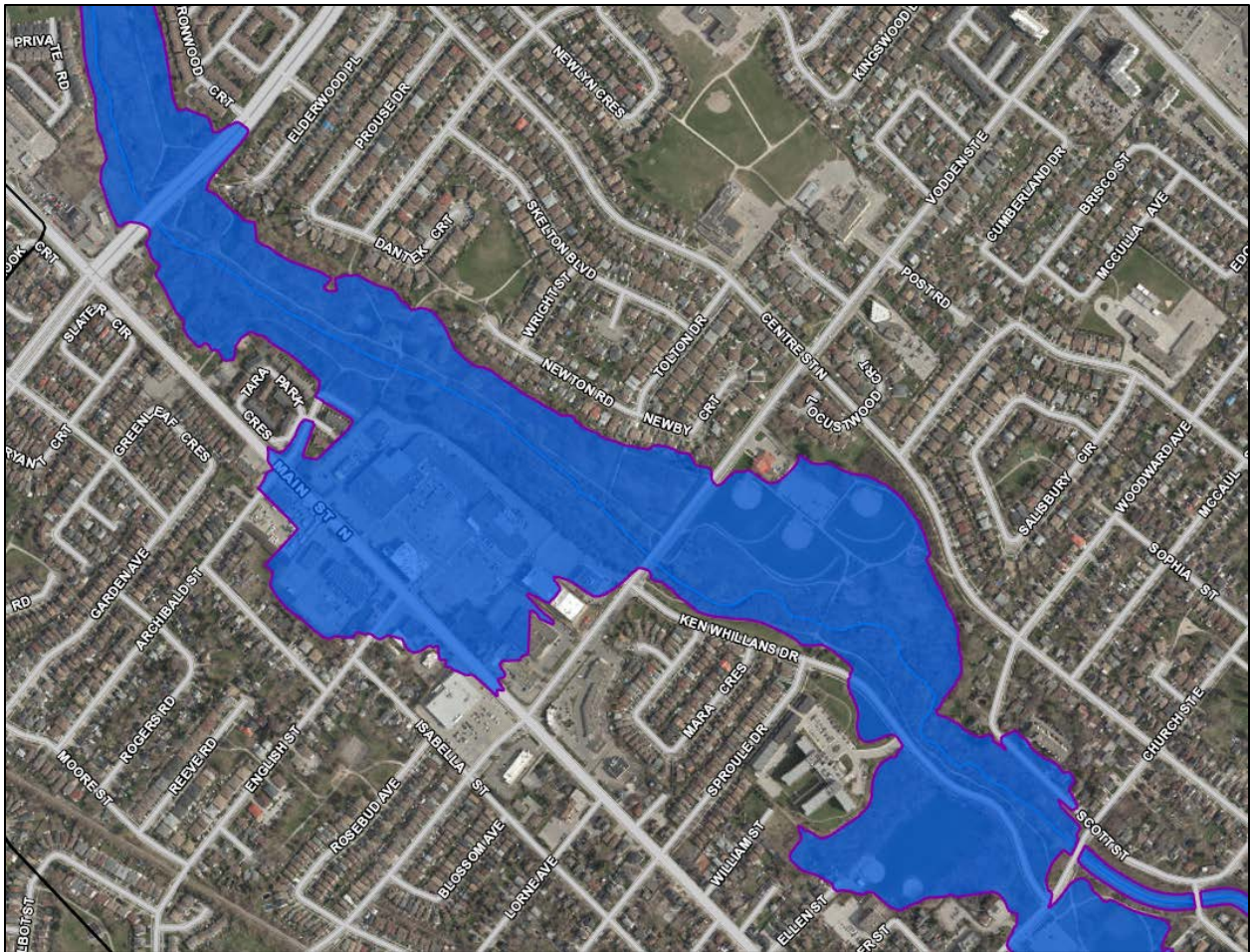


Figure 1: Regional Storm Flood Extents

Should you require any additional information, please do not hesitate to contact Sameer Dhalla, Director, Development & Engineering Services with the Toronto and Region Conservation Authority.