



## Guidance for Detention Facilities

September 14, 2017

Detention facilities are to be designed to assure post development peak discharges do not exceed predevelopment peak discharges for the selected design storms. Detention facility volumes are to be designed to store excess stormwater runoff for the 2, 10 and 25 year, 1 hr. and 24 hr. duration design storms, assuming discharge from the facility is released from the primary outlet structure orifice. The facility is to be designed to safely pass the 100 year design storm without damage to the facility or downstream receiving conveyance. Routing computations are to be based on an application of the continuity principle (i.e. level pool routing).

For additional information and questions, please contact the City of St James Consulting Engineer, Mr. Jeff Medows, Archer-Elgin Engineering, Surveying & Architecture at 573-364-6362.

A handwritten signature in blue ink, appearing to read "L. Thomas", is positioned above the typed name.

Lyle D. Thomas  
City of Saint James  
Director of Public Works