



**Issue:**  
Minor flooding of roadways and properties adjacent to Black Creek during major storm events (i.e., >100-year storm)

**Recommendation:**  
Detailed inspection of individual properties followed by the implementation of site level improvements.

**Issue:**  
Flooding of roadways and properties adjacent to Black Creek during minor to moderate storm events (i.e., >5-year rainfall event)

**Alternative Solutions:** refer to Figures 7 to 10

1. Do Nothing
2. 100-year Storm Improvements
3. August 19th, 2005 Storm Improvements
4. Regional Storm Improvements

**Recommendation:**  
Implementation of the remedial improvement works that comprise the preferred alternative (refer to Alternative Flood Improvement - Figures 10 to 13).

- Legend**
- Subwatershed Boundary
  - Description Area
  - Watercourse
  - Proposed Channel Realignment
  - Storm Sewer
  - Stormwater Management Pond
  - Floodplain
  - Storm Sewer/SWM Pond Outlet
  - ◆ Flood Vulnerable Building
  - ◆ Flood Vulnerable Culvert/Road

Basemapping from Ontario Ministry of Natural Resources, City of Vaughan and Toronto & Region Conservation Orthophotography: 1999 and 2007

0 50 100 200 300 400  
 m

UTM Zone 17N, NAD 83

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Black Creek Stormwater Optimization Study Master Plan Class Environmental Assessment

**Flooding Considerations**  
 February 2012  
 Project 60117240

