

## **5. Phase 1: Problem or Opportunity Statement**

Phase 1 of the five-phase Municipal Class Environmental Assessment planning process requires the proponent of an undertaking (i.e. the City) to first document factors leading to the conclusion that the improvement is needed, and to develop a clear statement of the identified problems or opportunities to be addressed. As such, the problem or opportunity statement is the main starting point in the undertaking of a Municipal Class Environmental Assessment and becomes the central theme and integrating element of the Project. It also assists in setting the scope of a Municipal Class Environmental Assessment study.

Considering the above, the following problem or opportunity statement has been developed for this Area 53 Bundle B Municipal Class Environmental Assessment study:

### **Problem:**

- The Sewer Capacity Assessment Study has recently been completed for Study Area 53, which has identified a number of potential factors contributing to flooding, including:
  - Surcharge of the sanitary sewer caused by Rainfall Derived Infiltration and Inflow (RDII)
  - Surcharge of the storm sewer system, which may result in increasing the flow to the sanitary sewer system through potential interaction between the two systems
  - High groundwater table, above the sewer or basement elevation
  - Accumulation of surface runoff in low-lying areas
  - Backup from outfall or accumulation of sediment in the outflow conduit
  - High overland flow depth on the right-of-way
  - Undersized storm sewer or undersized catchbasins resulting in high overland flow
  - Blocked/broken storm and sanitary sewers and maintenance holes; and
  - Blocked catchbasins.
- The Sewer Capacity Assessment Study for Area 53 recommends a number of solutions to address basement and surface flooding, including a Schedule B project associated with Alternative STM 53-49 that forms part of Assignment number 53-33 and includes a combination of:
  - 307 m of 1500 mm storm sewer south of the TTC (Toronto Transit Commission) tracks on Lakeshore Boulevard West
  - Four high capacity inlets on Lakeshore Boulevard West

## City of Toronto

Basement Flooding Study Area 53 Lake Shore Boulevard West/Mimico Creek Municipal Class Environmental Assessment

- Upsizing of the local storm sewer on Legion Road to a 450 mm and 750 mm pipe, with inlet controls devices on the upstream portion of this section
- Upsizing of the existing Mimico Creek outfall to 1500 mm at Humber Bay Park

### Opportunity:

- Complete the Municipal Class Environmental Assessment Schedule B planning process in consultation with key stakeholders, review agencies, Indigenous Communities and the public that will confirm the preliminary preferred solution from the Area 53 Sewer Capacity Assessment Study through an evaluation of reasonable solutions that meet the required level of service.

As noted in **Section 2.2.1** and described in **Section 3.1.1** Assignment number 53-33 also includes sanitary works that are not included within the scope of this Schedule B Municipal Class Environmental Assessment study as they will be within the existing road allowance and are therefore considered Schedule A+ (pre-approved).