

# Permit Application Guidance Document

## Installation of Backflow Assembly for Premise Isolation in an Existing Building



This document relates to the installation of a new assembly, relocation of a working assembly or replacement of a defective assembly, including situations where the class of backflow assembly or size of the existing device is not being changed. This document provides a checklist of supporting information that will be required for permit submission to ensure the proposed design complies with the Ontario Building Code and its referenced standard, CSA B64.10-11, "*Selection and installation of backflow preventers/Maintenance and field testing of backflow preventers.*"

For general information on the submission process, application forms, fees, approvals and inspections, please refer to the [City's website](#).

### Design qualification requirements

A property owner may seek either the design services of a Professional Engineer licensed in Ontario or a Designer who is qualified with the Ministry of Municipal Affairs in the category of *Plumbing-All Buildings* in accordance with the qualification requirements in the OBC, Division C, Section 1.2.

### Submission requirements

- A completed survey of premise isolation.
- Proposed plumbing schematic indicating the following:
  - type of the proposed new/replacement device(s) for potable water and fire suppression system (if applicable) in accordance with the OBC and the referenced standard, CSA B64.10-11
  - manufacturer's specifications for the proposed backflow assembly(s)
  - installation schematic at each water service entry location showing the configuration of the system including the proposed backflow assembly, water meter, strainer, control valves, parallel service, drainage and any other fixtures/devices as required (see examples below)
  - verification that the design static water pressure down stream of the installed assembly remains adequate
  - verification of thermal expansion protection of the building plumbing system
  - installation clearances

- Building Key Plan (indicating water service entry room location(s) and entry floor level)
- Completed building permit application form and related fees.

Example

