

1. **SUBJECT:** **DECOMMISSIONING OF BOREHOLES AND MONITORING WELLS UNDER PAVEMENT STRUCTURES**

2. **DEFINITION**

A borehole is an exploratory hole drilled in the ground for the purpose of establishing/confirming existing subsurface conditions.

A monitoring well is a type of borehole which is used for ground water level measurements and environmental water quality sampling.

3. **DRAWING**

N/A

4. **BEST PRACTICE**

Regulations regarding monitoring well and borehole installation and decommissioning are covered under the Water Resource Act and Ontario Regulation 903. In accordance with these regulations, all boreholes and monitoring wells must be installed and decommissioned by a licensed driller.

After they have served their purposes, redundant boreholes or monitoring wells should be restored as closely as possible to their pre-drilled conditions. Under pavement structures, acceptable infill material shall consist of Unshrinkable Backfill. The pavement surface shall be restored to its original condition by setting the reinstated pavement core flush and in its original orientation.

5. **RELATED BEST PRACTICES**

N/A

6. **RELATED CITY SPECIFICATIONS**

S-31 – Keyhole Excavations

Mario Sonego
City Engineer or Designate

August 8, 2012
Date