

WATER STRUCTURES

Since 2002, GeoTerre has completed multiple water structures in relation to deep tunneling access chambers and the following select projects related to water supply and treatment:

- **Pine Grove Sanitary Overflow Storage Tank, Vaughan (2015 to 2018)** Approximately 1000 m³ overflow storage tank installed into coarse grained granular material adjacent to a tributary to the Humber River, where dewaterless construction was required due to proximity of Redside Dace habitat
- **Town of New Tecumseth, Tottenham New Sanitary Pumping Station - Construction (2012 to 2013)** 15 m deep pumping station constructed through upper aquifer and short distance above lower artesian aquifer.
- **Town of Georgina, Multi-Use Recreation Park, Snow Making Pumping Station (2009 to 2011)** Approximately 7 m deep pumping station within an in-ground water storage pond, all of which was located above an underlying artesian aquifer
- **Region of Peel, Mayfield West Water Storage Tank (2006 to 2009)** Elevated storage tank over hard glacial till soils in south Caledon
- **Islington Golf Club, Irrigation Upgrades (2008 to 2009)** Raised water storage pond with crest levels up to 5 m above existing grades and related construction of a pumping station intake from Mimico Creek
- **Region of Peel, Mullet Creek Sanitary Pumping Station (2005 to 2006)** Approximately 7 m deep pumping station installed into the underlying shale bedrock through a series of water bearing sandy soils
- **Region of York, Stouffville Zone 1 Water Supply Storage Tank (2004 to 2006)** Elevated storage tank installed into competent glacial till soils that were overlain by 3 m of general fill

