

URBAN & ENVIRONMENTAL MANAGEMENT INC.

PROJECT SNAPSHOT

EROSION AND SLOPE STABILITY IMPROVEMENTS AND LEACHATE MANAGEMENT AT CHEDOKE CREEK (ADJACENT TO WEST HAMILTON LANDFILL)

The City of Hamilton retained UEM to design erosion and slope stability improvements adjacent to Chedoke Creek and to prepare contract documents and drawings in support of those measures. UEM was also retained to administer the construction contract and provide site observance during construction. The project was undertaken by the City in order to prevent contaminated groundwater generated at the adjacent, closed West Hamilton landfill from entering the creek.

The construction contract included erosion and slope stability measures (250m of live crib wall), installation of 562m of armour stone and geosynthetics, installation of 448m of a leachate collection system along the eastern bank of Chedoke Creek, and installation of a new pump station complete with SCADA control.

Upon successful completion of the work, UEM prepared record drawings, assisted with the development of the Operations and Maintenance Manual, and provided assistance in training City staff in the operation of the pump station. The Chedoke Creek Remediation Project was recognized by the Ontario Public Works Association as the 2008 Environmental Project of the Year (Project between \$2 and \$5 Million) and by the Solid Waste Association of North America for a Bronze Medal Award in 2010.

WASTE MANAGEMENT

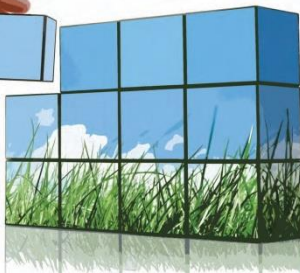
CLIENT: City of Hamilton
PROJECT DATES: Phase 1: 2007 - 2009
Phase 2: 2012 - 2014



UEM is an employee owned professional consulting firm established in 2001 – unique in its diversity of highly skilled professionals who offer extensive knowledge and background from their accumulated years of experience.

Our business focuses on providing both public and private sector clients with a wide scope of strategic planning, engineering and project management services. Our experienced professionals provide one-on-one client communication to ensure consistent project progress while meeting project schedules and exceeding client expectations.

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