



ENVIRONMENTAL MANAGEMENT

Water Management Plans

Carp River Restoration Plan - Third Party Review

Client and Location: City of Ottawa, Ontario

Located in the Kanata West area within the City of Ottawa, the Carp River has been the focus of many studies due to the significant level of proposed development, especially its upper reaches. As a result, the City has embarked on the preparation of the necessary servicing and master planning reviews through the Class EA process to ensure that the Carp River watershed is being integrated into the plans being proposed. Considerable effort has been placed on the preparation of a six (6) year restoration plan to enhance the stream corridor and provide opportunity to introduce more natural features, enhance aquatic and terrestrial habitats, as well as provide the necessary flood protection expected in an urban environment. In 2006, a number of errors were found in the hydrologic and hydraulic models used to develop the restoration plan. Although the consultants repaired the errors in the models, the ensuing review process raised concerns eroding public confidence in the original work and the models as accurate tools that could be relied on in the decision making process.

GREENLAND was retained in August 2008 to complete an independent Third Party Review of the Carp River Restoration Plan for the City of Ottawa. This included a review of all hydrologic and hydraulic models that were used to create the Carp River Restoration Plan and to support the Class EA documentation prepared for servicing and planning for the Kanata West development area. The project also involved assessing various elements of the restoration plan pertaining to flood storage, sediment transport, and positioning of adjacent stormwater management (SWM) facilities. *City staff, Council and all agencies approved the recommendations by GREENLAND in May 2009.*

