

# Lower Monora Creek



**Client: Edgewood Valley Developments**

**Location: Orangeville, ON**

**Services: Environmental Review, Engineering Design, Contract Preparation, Project Management**



The construction of Hansen Boulevard and the residential development, Edgewood Valley Phase 2, in the Town of Orangeville necessitated a natural channel realignment design for approximately 250 m of the south branch of the Monora Creek tributary. The Monora Creek tributary was identified as a cold-water fishery, therefore no work would be permitted if it was to result in a net loss of fish habitat. Working with the Conservation Authority, Ministry of Natural Resources, and

Department of Oceans and Fisheries, an approved design was made possible by designing a natural channel using fluvial geomorphological principles.

In conjunction with the channel realignment, the design investigations included the removal of an 'on-line' pond. The pond was removed from the creek system, thus allowing a significant fish barrier to be removed from the Monora Creek Tributary.

The works were carried out from 2006 to 2008. Plantings, landscaping, and trails were introduced to enhance the entire stream corridor. As part of the engineering investigations, regional floodline analyses were undertaken to ensure conservation regulatory limits were maintained.

