

## Little Lake Sub-Watershed Drainage System Analysis

Client: City of Barrie

Year: 2005



### SERVICES PROVIDED

In response to heavy rains on the afternoon of June 9, 2005 and flooding within the north end of Barrie, CCTA completed a general overview of the function of the Little Lake Sub-Watershed drainage systems. Specifically, the existing conditions and function of two stormwater management ponds, identified as LT1 and LT2, and their associated drainage outlets were evaluated. The analysis proved the as-built active storage volume of Pond LT1 was considerably less than the volume designed and the pond provided little peak flow attenuation during minor and major storm events. The results of the analysis also identified deficient drainage systems downstream that should be considered for improvement. The product of the analysis was an explanation of the flooding that occurred in these drainage systems that afternoon and a series of recommendations for future consideration including retrofitting SWM pond LT1.

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