

Holly Sewage Pump Station Assessment

Client: City of Barrie

Year: 2008



SERVICES PROVIDED

Sewage flows arriving at the Holly sewage pump station (SPS) in Barrie occasionally exceed its rated capacity during severe wet weather events. CCTA was retained to recommend a solution to this capacity issue and ensure the SPS will have sufficient capacity to convey the flows from its tributary sewershed at build-out. CCTA analyzed historical flow data, prepared a theoretical sewershed model for the existing and projected flow conditions, conducted field investigations at the SPS and compared the pump test results to theoretical pump performance curves, and assessed the pump station's deficiencies. Potential upgrades to increase the reliability and conveyance capacity of the SPS were identified. We recommended that the City complete investigations of their sewage collection system and swabbing of the discharge forcemain, before a decision is made to proceed with increasing pumping capacity.

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