

Innisfil Sewage Pumping Station No. 1

Client: InnServices Utilities Inc.

Year: 2014 – 2017



SERVICES PROVIDED

To implement the recommendations of the Town of Innisfil's Town-Wide Water & Wastewater Master Servicing Plan and provide capacity for significant growth, CCTA was retained to design, secure approvals and provide contract administration and construction inspection services for upgrades and expansion of SPS No. 1 from 72 L/s to 175 L/s. Constructed in 1986, SPS No. 1 is a three-level wet well/dry well station that was initially equipped with two pumps discharging to the WWTP through a single 250 mm diameter forcemain. The upgrades include: replacement of the vertical-shaft dry-pit pumps with three dry-pit submersible pumps; installation of a twin forcemain; replacement of all MCC control panels, VFDs, and the PLC panel; structural modifications; and replacement of the heating and ventilation systems to address the requirements of the OESC and NFPA 820 hazardous classifications. The design includes a temporary pumping system to bypass the wet well during construction. Construction of this \$1.4M project was completed in 2017.

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