



Bradford West Gwillimbury Sewage Treatment Plant

The objective of the study was to quantify and identify means of reducing extraneous flows to the sewage treatment plant.

Sewer Collection System Optimization Study Town of Bradford West Gwillimbury

In 1996, the Town of Bradford West Gwillimbury retained the Ainley Group to undertake a comprehensive sewer optimization study. The objective of the study was to quantify and identify means of reducing extraneous flows to the sewage treatment plant. Specific tasks included:

- Total station survey and compilation of overall plans for the storm sewer and water systems
- Field investigation including CCTV inspection, smoke testing, dye testing and manhole inspections preceded by a comprehensive flow-monitoring programme, which identified key problem areas.
- Compilation of physical attributes (Northerings, Eastings, elevations, connectivity, capacities, grades) into a usable data base
- Establishing a prioritized multi-year work plan to cost effectively reduce inflow/infiltration (I/I).

Project Facts

Client: Town of Bradford West Gwillimbury

Scope of Work:

- Identify means of reducing extraneous flows through:
 - Total station survey
 - Field investigation – CCTV inspection, smoke testing, dye testing and manhole inspections
 - Flow monitoring programme
 - Compilation of physical attributes
 - Establishing a prioritized multi-year work plan.

Project Cost: \$135,000 (1996)