

CARLYLE LAGOON UPGRADES

Client

Town of Carlyle

Project Value

\$4,200,000

Project Details

- New gravity trunk sewer main;
- New storage cell complete with synthetic liner;
- Aeration upgrades to existing primary cell;
- New blower building complete with two 25 hp variable speed blowers

Services

- Preliminary Design
- Sludge Surveys and Residual Handling and containment
- Detailed design
- Conceptual Layout
- Tendering
- Resident Engineering
- Contract Admin

Date Completed

2019

BCL completed a comprehensive pre-design report for the Town to address shortfalls in their sewage treatment and collection system. Potential solutions were complicated by land constraints, regulatory setbacks, acquisition of land and available budget.

BCL worked not only with the Town, but also with the Water Security Agency (for an acceptable phased solution. Phase I consisted of approximately 800 m of deep bury trunk sewage main. Phase II of the project included the design of a large storage cell to meet the Town's 220 day storage requirement. Phase III consisted of the addition of aeration to the existing primary cell of the lagoon to improve the treatment capacity.

This project was unique in that the Ministry of Environment was brought into the process early to ensure that the upgrades and phased implementation met their approval.

