

Magic Lake Estates Sewer Upgrades Project (2022)

Project Type	Liquid Waste
Project Status	Design
Project Area	Southern Gulf Islands
Estimated Cost	\$7,709,350
Estimated Start Date	18-Jan-2022
Estimated End Date	28-Feb-2025
Estimated Duration	3 years
Contracted To / Performed By	McElhanney Ltd. (Consulting Engineer)

Description

The Sewer Upgrades project for the Magic Lake Estates Sewer Service reached construction completion in December 2021. Refer to the project update in Additional Information for more information.

The Magic Lake Estates (MLE) Sewer Service upgrade works have been underway over the last couple years to address the issues facing the aging and failing infrastructure. Condition of the MLE wastewater infrastructure has been documented in past reports and presented at a number of Public Open Houses held on November 22, 2014, June 6, 2015, and February 27, 2016. For works completed to date, refer to Additional Information.

Green Infrastructure - Investing in Canada Infrastructure Program Grant

In February 2020, the CRD submitted an application under the Green Infrastructure – Investing in Canada Program for \$5.65 million in funding that would enable most all of the \$12 million work presented at the April 27, 2019 open house (see slides 11-15 on the Information Boards under Additional Information). On September 22, 2021, the grant application was approved. This funding, along with the MLE Sewer Committee's allocated funds, will support the wastewater pump station and treatment plant upgrades.

This next phase of the upgrades will be focused at the following facilities:

- Schooner Wastewater Treatment Plant (WWTP)
- Cannon WWTP
- Masthead Pump Station
- Galleon Pump Station
- Cutlass Pump Station
- Buccaneer Pump Station
- Schooner Pump Station
- Capstan Pump Station

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The design phase was initiated in early January 2022 and is anticipated to be completed in fall of 2022. The project will decommission Cannon WWTP and replace it with a pump station to divert flows for treatment at Schooner WWTP. Schooner WWTP will be upgraded to treat flows from Cannon and include replacement of other equipment to improve health & safety and overall reliability. At each of the pump station's most of the mechanical and electrical components will be replaced.

Below are the next steps for the project. Refer back to this webpage for updates as the design and construction work advances.

Complete preliminary design	February to April 2022
Complete detailed design	May to September 2022
Issue a Tender to retain a contractor	October 2022 to December 2022
Construction period	January 2023 to December 2023
Testing, Commission and complete close-out documents	January to February 2024
Warranty review and correct deficiencies	February 2024 to February 2025