

# Wastewater



Clients require wastewater treatment facilities that are sustainable over the long term. Well designed facilities are highly productive, compact and cost effective, and at the same time respectful of the environment. Experienced specialists at Morrison Hershfield cover all stages of a wastewater project, from initial concept through to operations and management.

Services include:

- **Wastewater system master planning**
- **Planning and detailed design**
- **Project and program management**
- **Wastewater disposal solutions**
- **Outfalls**
- **Pumping stations**
- **Storage and peak clipping reservoirs**
- **Collection systems**
- **Municipal wastewater treatment facilities**
- **Trenchless technologies**
- **Inspection and construction**
- **Permitting and regulatory compliance**
- **Public consultation**



Sewage Lagoon  
Design



Primary Sanitary Lift  
Stations



Sludge Forcemain  
from Wastewater Plant  
to Lagoons

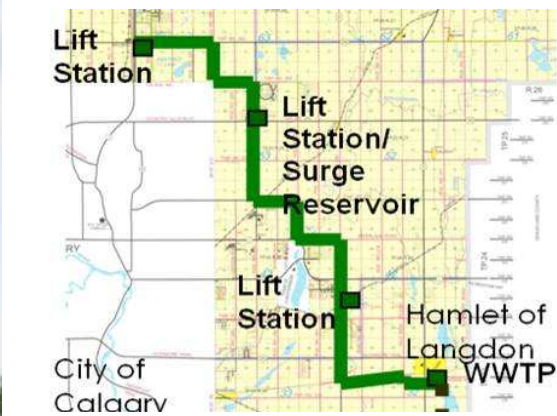


Sludge Line Twinning



Water and Wastewater  
Design Build Finance  
Operate





### Wastewater Utilities Network

We provided pre-design, detailed design, progressive tendering and construction management for Phase One of East Rocky View's Regional Wastewater Utilities Network. This project consisted of a 54 km, 600 mm diameter wastewater transmission main, a 3,700 m<sup>3</sup> surge reservoir, three 250-800 L/s lift stations, 54 km of roadway reconstruction, and 48 canal, roadway and pipeline crossings.



### Water and Wastewater Design Build Finance Operate

We teamed up with Terason Utility Services Inc. (now Corix Utilities) and the Municipal District of Rocky View on a Public Private Partnership (P3) initiative to provide storm, sanitary and water services to a projected 25,000 lots over the next 20 years in the Springbank area west of Calgary AB. The project involves a wastewater treatment and water treatment plant, storm sewer collection and treatment, sanitary collection, lift stations and force mains, water trunk mains and on-site distribution.

