

Southwest Brandon Wastewater Servicing Project

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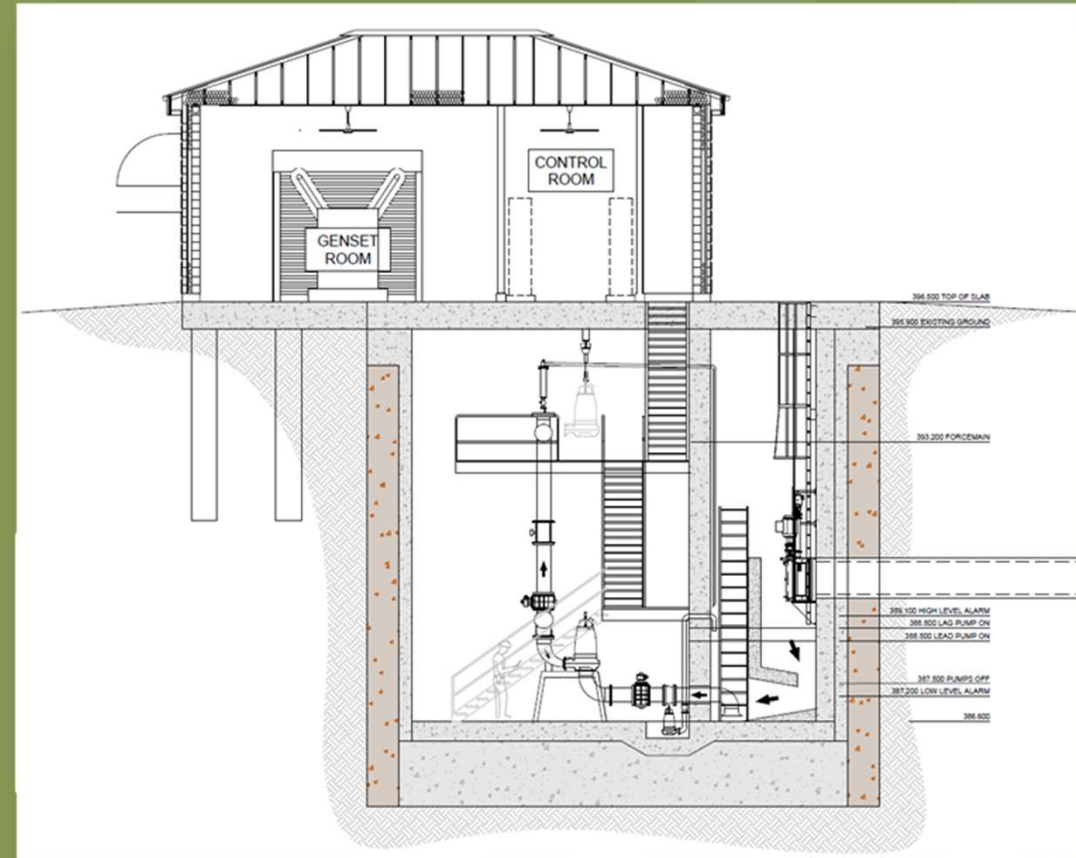
- **What:** The City has determined the southwest area will be a focus for residential and commercial growth. New wastewater infrastructure is required to support continued development.
- **Why:** The existing area wastewater network is nearing capacity; lift station(s) are required to direct the wastewater to the nearest acceptable location and to overcome topographic challenges with the desired service area.

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- **Project Funding:** City Administration is proposing a debenture through general borrowing, requesting a borrowing authority of \$30 million.
Debentures will be issued in series based on cash flow requirements over the various project phases.

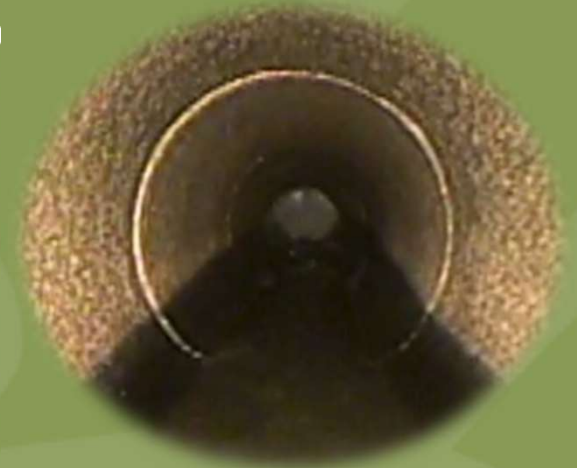
Wastewater Servicing – Definitions

- Lift Station
 - A pumping station that moves wastewater from a lower elevation to a higher elevation. Also provides ability to direct wastewater from one point in the collection system to another.

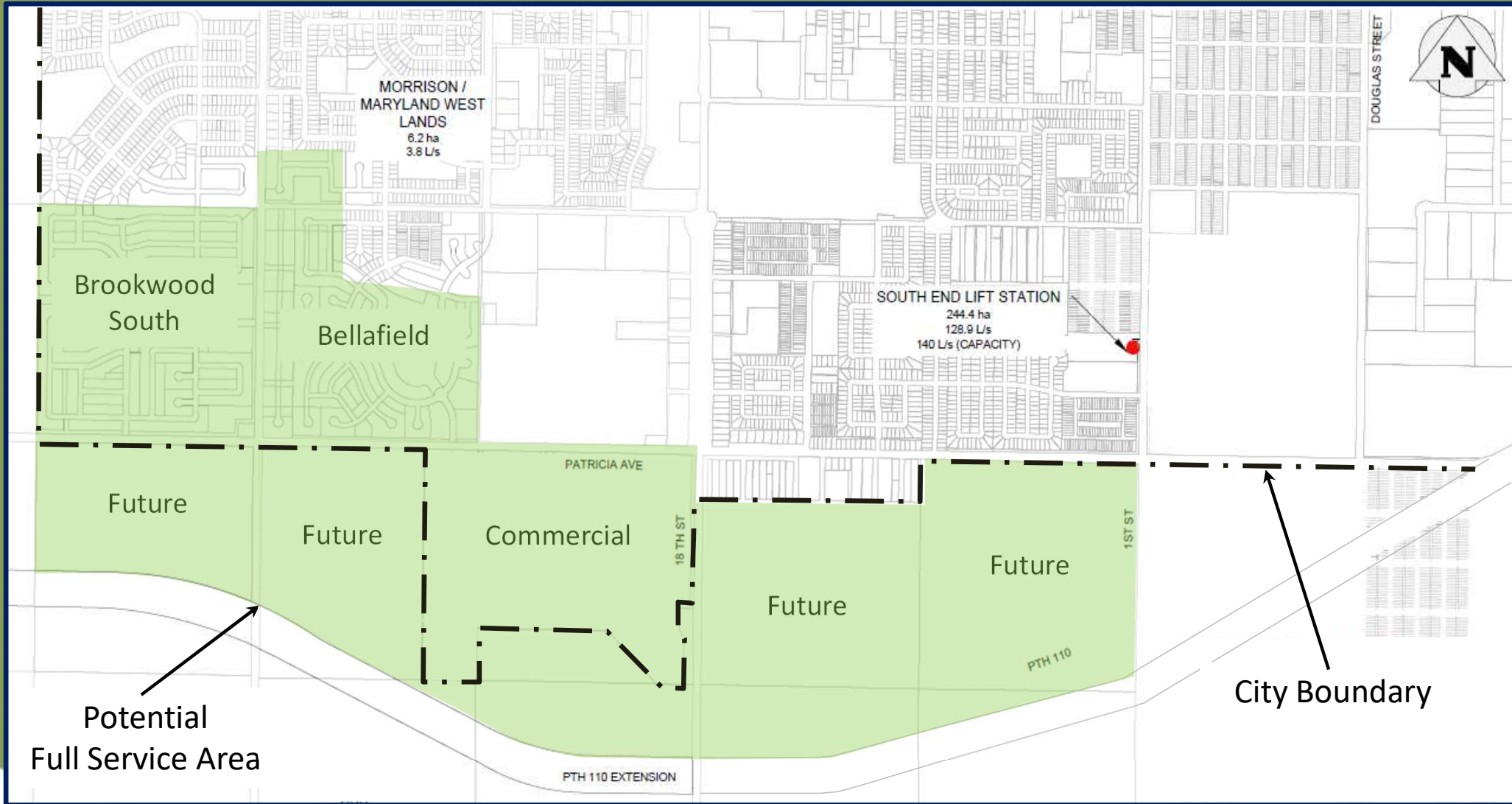


Wastewater Servicing – Definitions

- Wastewater Trunk Sewer
 - Large diameter sewer pipe that allows for flow by gravity. Residential and commercial developments connect to the trunk sewer, which directs the wastewater to the lift station.
- Forcemain
 - A pressurized sewer pipe that leaves the lift station and discharges wastewater into the downstream collection system.

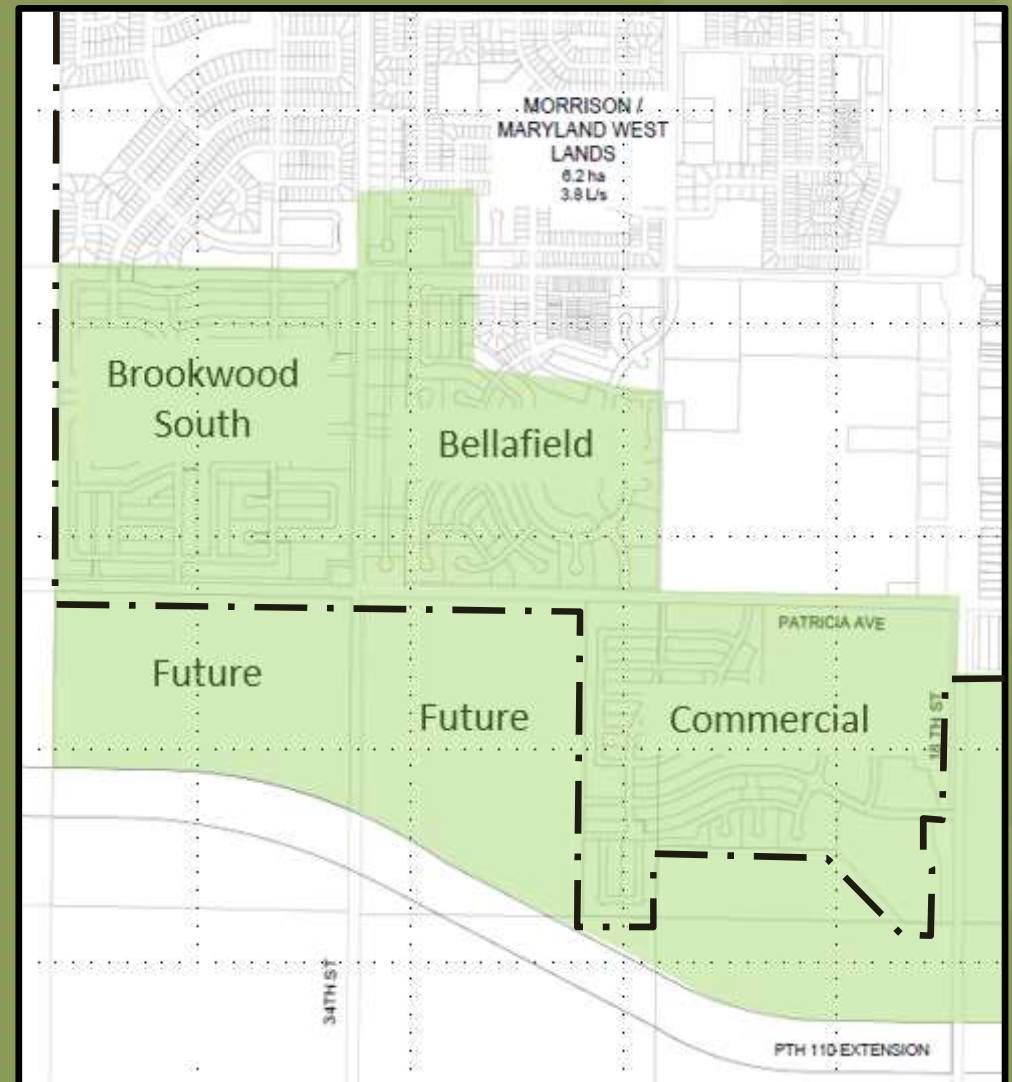


Southwest Brandon Service Area



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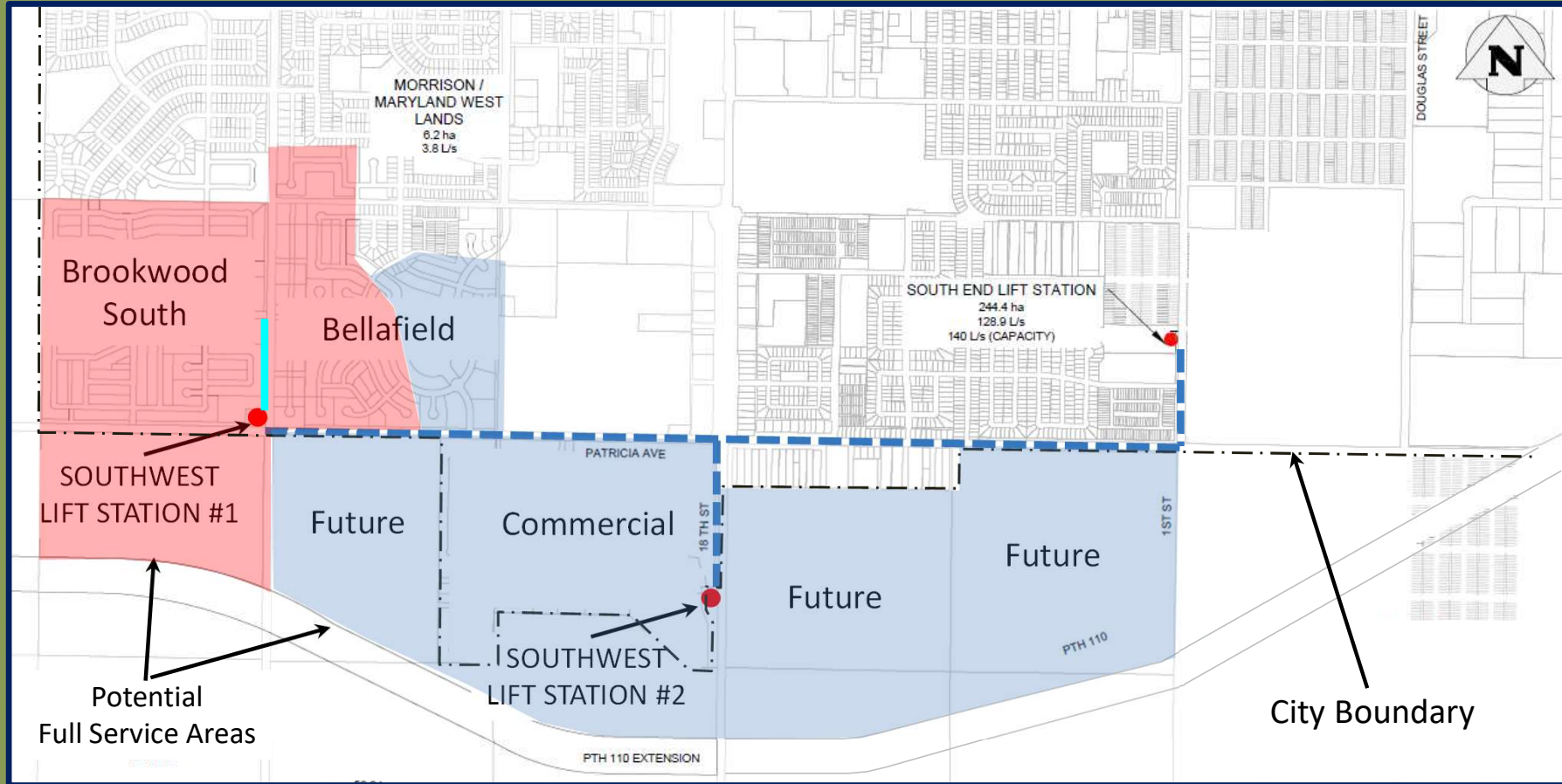
- City endeavors to provide wastewater service to Brookwood South, Bellafield and Commercial property south of Patricia Ave.
- City is looking to capitalize on opportunity to setup for future growth areas.
- Servicing will be completed through a phased approach.



Wastewater Servicing – Concept Overview

Wastewater trunk sewer

Forcemain



Wastewater Servicing – Concept Overview

- Multi-phased wastewater servicing project to facilitate growth in southwest Brandon.
- Principally two phases with multiple construction contracts within each.
- Design is currently underway with City targeting first construction contract to be tendered in Fall 2022.

Wastewater Servicing – 34th Street Phase

- 34th Street Phase includes:
 - Construction of lift station near the intersection of 34th Street and Patricia Avenue.
 - Wastewater trunk sewer extending north to service adjacent developments.
 - Forcemain from the lift station to connection at existing forcemain on 1st Street, downstream of existing South End Lift Station.
 - South End Lift Station upgrades.
 - Fiber optic communications installation.

Wastewater Servicing – 18th Street Phase

- 18th Street Phase includes:
 - Construction of lift station on 18th Street (PTH 10) south of Patricia Avenue.
 - Wastewater sewer extending north and west to service adjacent developments.
 - Forcemain from the lift station to connection at existing forcemain on 1st Street, downstream of existing South End Lift Station.
 - Fiber optic communications installation.