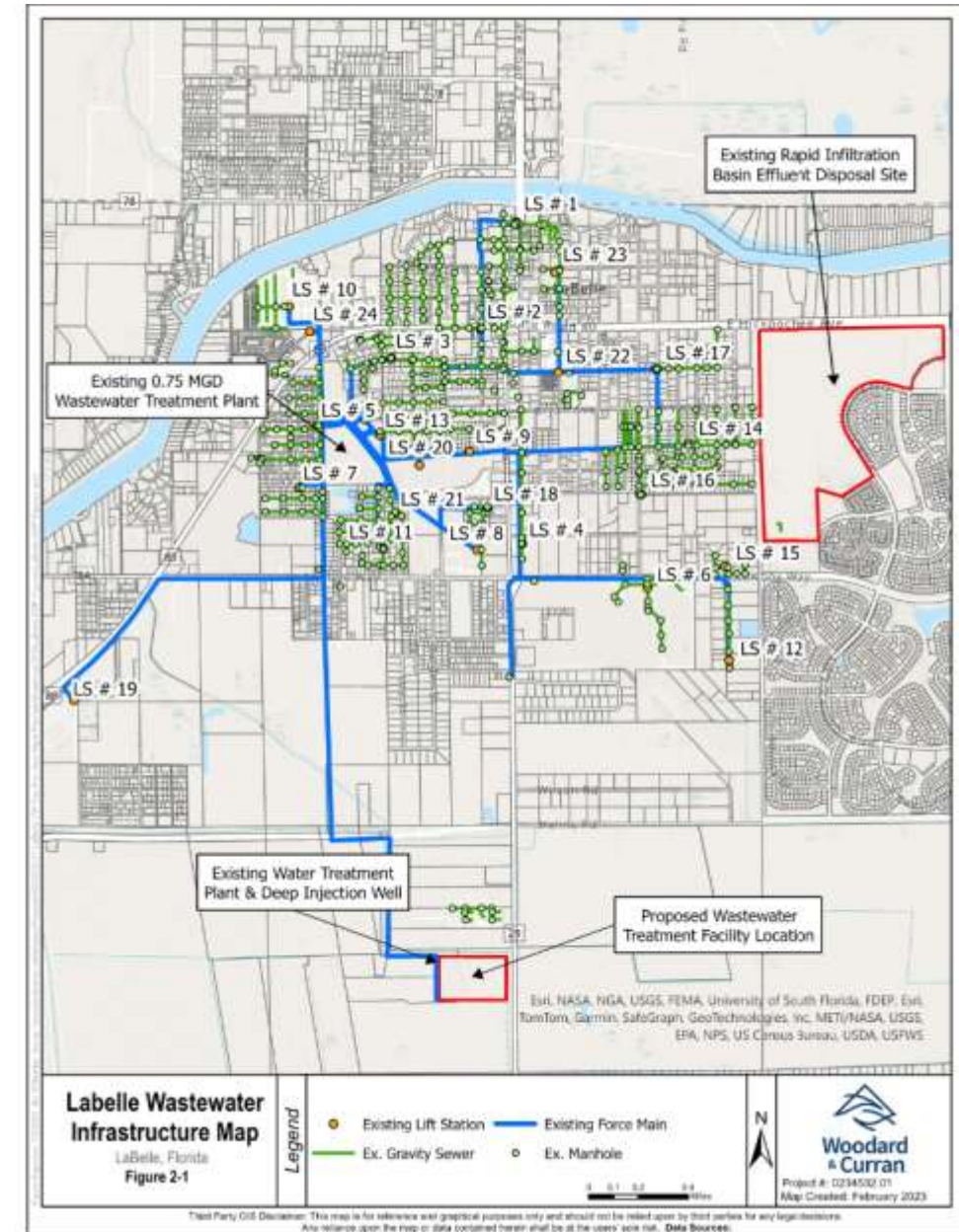


Clean Water (Wastewater) Facility Plan

Wastewater Facility Plan

- ▶ 20-year planning document that includes:
 - Growth, Flow Projections and Resiliency
 - PROJECT 1 – Wastewater Treatment Facility
 - Rehabilitate and Expand Existing
 - Relocation and Construct New Facility
 - PROJECT 2 – Lift Station 3
 - Retrofit Existing Station
 - Replace Station
 - PROJECT 3 – Lift Station 4
 - Retrofit Existing Station
 - Replace Station
 - PROJECT 4 – Sewer Collection System
 - Rehabilitate Select Portions of System
 - Replace System
 - SAHFI Funding Justification for Project 1



PROJECT 1 – Wastewater Treatment Facility



Project Need:

The existing treatment plant is beyond its useful life, requires extensive improvements and expansion to accommodate existing population, septic to sewer conversions and new commitments.

Alternatives:

- A. Do Nothing
- B. Rehabilitate and Expand Existing Facility
- C. Relocate and Construct New Facility (Ox Ditch)
- D. Relocate and Construct New Facility (Packaged Biological)**

Selected Alt. Capital Cost:
\$57,809,000

Environmental Impact:

- No known permanent negative impacts are associated with the selected alternative.

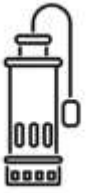
Scope of Work:

- New relocated Wastewater Treatment Facility at higher elevation adjacent to Water Facility
- Construct new Lift Station at Existing WWTF
- Demolish major components of Existing WWTF
- New influent raw sewage pump station
- Headworks with screening and grit removal
- Secondary process (packaged)
- Tertiary filtration
- Disinfection
- Effluent discharge
- Aerobic digestion
- Sludge dewatering
- Upgrade camera system to allow for remote monitoring
- Controls and electrical improvements to provide greater level of protection against lightning strikes and FPL power surges
- Upgrade SCADA to incorporate plant upgrades

Cost to the Rate Payer:

- Project is scheduled for SAHFI and other Grant funding. Current rates are sufficient to cover any additional projected debt service for this project per Utility Rate Structure adopted on October 10, 2024.

PROJECT 2 – Lift Station 3



Project Need:

Lift Station 3 collects flow from seven other lift stations and conveys it to the wastewater treatment facility. It is a critical cog in the City's system and requires wet well, pump, electrical panel and generator upgrades.

Alternatives:

- A. Do Nothing
- B. Retrofit Existing Lift Station
- C. **New Lift Station**

Selected Alt. Capital Cost:

\$1,360,000

Scope of Work:

- Install new lift station adjacent to existing lift station.
- New Lift station to include:
 - Expanded Concrete wetwell
 - New Submersible Pumps
 - New Electrical
 - New Generator with automatic transfer switch
 - New security fence
 - Site lighting
 - Surge protection
 - Safety Grating

Cost to the Rate Payer:

- Current rates are sufficient to cover the projected debt service for this project per Utility Rate Structure adopted on October 10, 2024. |

Environmental Impact:

- No known permanent negative impacts are associated with the selected alternative.

PROJECT 3 – Lift Station 4

Project Need:

Lift Station 4 collects flow from several businesses and future residential zone D, E, G, H & I. It is a critical cog in the City's system and requires wet well, pump, electrical panel and generator upgrades.

Alternatives:

- A. Do Nothing
- B. Retrofit Existing Lift Station
- C. **New Lift Station**

Selected Alt. Capital Cost:

\$844,000

Scope of Work:

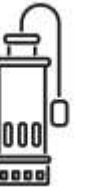
- Install new lift station adjacent to existing lift station.
- New Lift station to include:
 - Expanded Concrete wetwell
 - New Submersible Pumps
 - New Electrical
 - New Generator with automatic transfer switch
 - New security fence
 - Site lighting
 - Surge protection
 - Safety Grating

Cost to the Rate Payer:

- Current rates are sufficient to cover the projected debt service for this project per Utility Rate Structure adopted on October 10, 2024. |

Environmental Impact:

- No known permanent negative impacts are associated with the selected alternative.



PROJECT 4 – Sewer Collection System



Project Need:

The 2023 Sanitary Sewer Evaluation Survey identified defective pipes and manholes consistent with aging infrastructure throughout the collection system

Alternatives:

- A. Do Nothing
- B. Collection System Rehabilitation**
- C. Collection System Replacement

Selected Alt. Capital Cost:

\$5,570,000

Scope of Work:

- Trenchless rehabilitation of approximately 15,000 LF of pipe
- Heavy cleaning and inspection of approximately 5,000 LF of pipe
- Open Cut spot replacement/repair at various locations
- Rehabilitation of approximately 170 manholes
- Replace approximately 10 manholes

Cost to the Rate Payer:

- Current rates are sufficient to cover the projected debt service for this project per Utility Rate Structure adopted on October 10, 2024. |

Environmental Impact:

- No known permanent negative impacts are associated with the selected alternative.

Wastewater Improvements Cost Estimates

Table ES-1: Facility Plan Alternative Selection and Associated Cost

Project	Alternative Selected	Capital Cost
Wastewater Treatment Plant (WWTP)	Alternative 4: New WWTP	\$56,200,000
Lift Station 3	Alternative 3: Lift Station 3 Reconstruction	\$790,000
Lift Station 4	Alternative 3: Lift Station 4 Reconstruction	\$800,000
Sewer Collection	Alternative 2: Sewer Rehabilitation	\$5,570,000

Total Allocated SAHFI Funding = \$19,500,000

Clean Water (Wastewater) Facility Plan

City Commission Discussion

Public Comment

Consideration of Resolution

Thank you! Questions?

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