



Lift Station 87

Overview

The Lift Station 87 project includes new pipelines and a new above-ground lift station to replace aging Lift Station 7. The new lift station and sewer mains will handle about one-third of the city's wastewater flow and has been designed to withstand the impacts of a Category 3 hurricane.

Construction is being done in three distinct sequences to:

- Protect the city's investment
- Manage project risks
- Minimize impacts to the community
- Improve service and reliability

The Lift Station 87 project is tentatively scheduled to be completed by March 2021.

Construction Phasing & Schedule

PHASE 1: Lift Station 87 Micro-tunneling (January– June 2017)

Phase 1 included successfully installing a 670-foot long micro-tunnel under Hudson Bayou and a 560-foot long micro-tunnel under Luke Wood Park. For both tunnels, a 60-inch diameter steel casing was installed to protect 1,230 feet of 36-inch diameter pipeline.

PHASE 2: Lift Station 87 Structure (October 2017– mid-2020)

Phase 2 includes demolition of existing structures and construction of the new lift station. Lift Station 87 is designed to withstand a category 3 hurricane and will feature state-of-the-art equipment including odor control, emergency backup generator, instrumentation and controls. The lift station is fully enclosed to minimize the impacts of routine operations and maintenance activities. Once operational, wastewater flows will be diverted to the lift station, so the Phase 3 pipelines can be installed. Florida-friendly landscaping will surround the new facility, including 20-foot tall southern live oaks, 10-12-foot tall slash pines, grey saw palmetto, muhly grass, beauty berry and more.

PHASE 3: Open Cut Pipeline Construction (mid-2020– March 2021)

For Phase 3, the contractor will install a 24-inch diameter gravity wastewater pipeline by open cut along Alta Vista Street and Osprey Avenue. Crews will replace aging ductile iron and asbestos cement pipe, install new reclaimed water mains, and replace any storm sewers that are disrupted. New curbs, sidewalks, and drainage improvements are included in the project corridor.

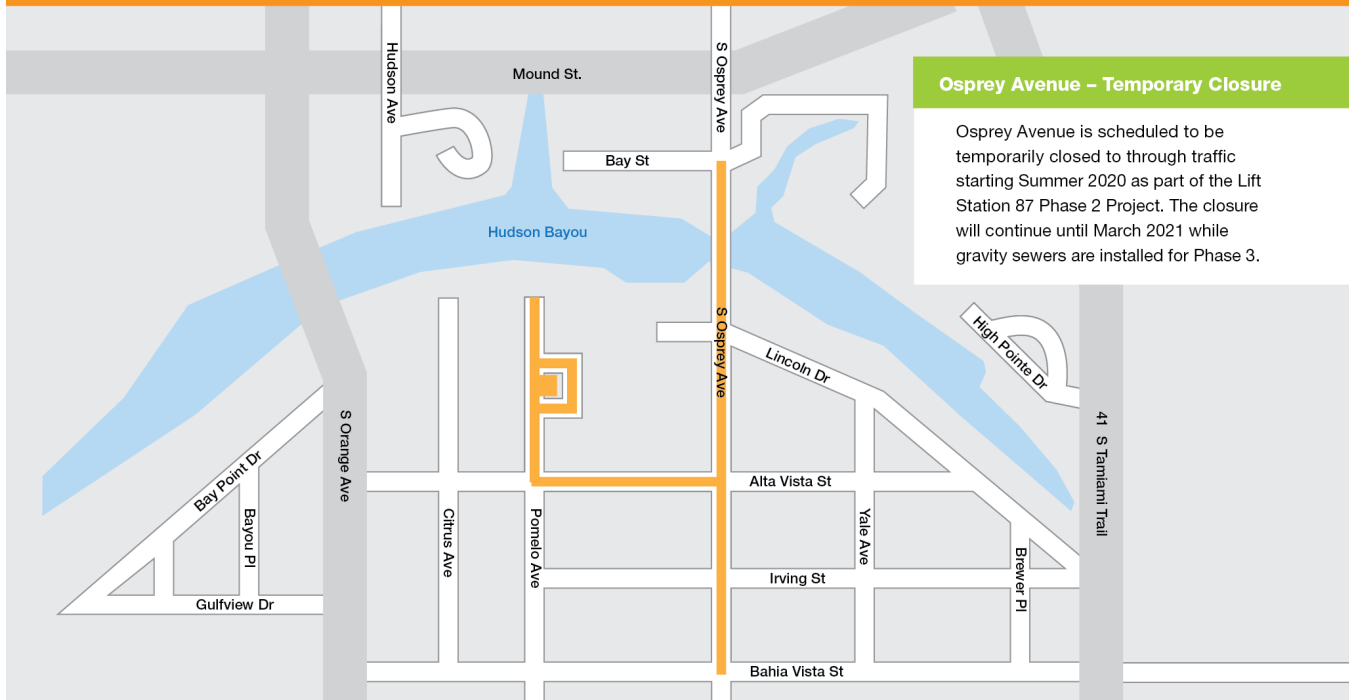
Along Pomelo Avenue and Pomelo Place, crews will install an 8-inch diameter gravity sewer by open cut and replace water mains with larger pipes to improve fire flow protection. New reclaimed water mains will be installed in the area.

Once pipelines are installed, wastewater flow will be diverted to Lift Station 87, then Lift Station 7 will be demolished and the site returned to a park-like setting. Roadways will be fully restored once pipelines are installed.



Crews worked 50 feet underground for more than a year to build the concrete wetwell for Lift Station 87. In August 2019, crews began work on the above-ground portion of the two-story brick lift station building.

Project Improvement Area



Osprey Avenue – Temporary Closure

In Summer 2020, Osprey Avenue will be closed to vehicular traffic from Lincoln Drive to Bay Street as part of the Phase 2 work. This closure will continue into Phase 3. As with the previous closure, the project team will develop a proposed traffic and detour plan that maintains safe traffic flow. The plan will direct traffic to Mound Street/US 41 to avoid neighborhoods, deter traffic from taking shortcuts through neighborhoods, address pedestrian detours and sidewalk closures, and identify access to businesses on Osprey Avenue.

Minimizing Impacts

The project team understands that Phase 3 work will impact residents and is taking steps to ensure the Phase 3 contractor minimizes disruption. The bid documents require that the contractor minimize impacts to the community by:

- Maintaining an aggressive schedule
- Maintaining access to properties and developing plans for temporary access, if needed
- Providing plans for alternate parking
- Developing detailed plans for maintaining vehicular and pedestrian traffic
- Using quiet pumps and generators to reduce noise

Community input is an important part of the process; engineers will use input to develop access and traffic plans.

Working with the Community

The City appreciates residents' continued patience and concerns for completing the Lift Station 87 Project. Utility Department staff is available at the project construction office located (824 S. Osprey Ave.) to provide answers and resolutions to any issues residents have concerning the project. Project information is also available through:

- Periodic community meetings and presentations
- A dedicated communications phone line (941-356-8071) and project website (www.liftstation87.com)
- The City's e-subscribers list (sign up at www.sarasotagov.com) and Twitter feed (www.twitter.com/CityofSarasota)