



LAUDERTRAC

INFRASTRUCTURE UPDATE FORT LAUDERDALE

Tracking Progress on Commission Priorities for 2020



June 2020

INVESTING IN OUR FUTURE

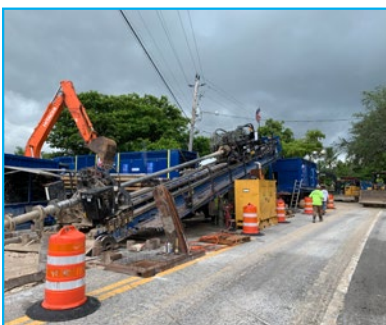


Redundant Sewer Pipeline Project 30% Complete!

The City of Fort Lauderdale continues to make outstanding progress on the construction of a new 7.5 mile wastewater transmission line that will run from the Coral Ridge Country Club Wastewater Lift Station near Bayview Drive and NE 37 Street to the G.T. Lohmeyer Wastewater Treatment Plant (GTL) located on SE 18 Street.



The \$65 million project is 30 percent complete following the successful installation of more than two miles of pipeline covering portions of southeast and northeast Fort Lauderdale. In the southeast part of the City, one third mile of line has been completed along SE 10 Avenue in Harbordale, and one mile of line has been installed along SE 9 Avenue in the Rio Vista and Beverly Heights neighborhoods. In northeast Fort Lauderdale, a quarter mile of new pipe has been installed on NE 18 Street in the Poinsettia Heights neighborhood, and three quarters of a mile of new line has been completed along Bayview Drive in Coral Ridge. A map charting the progress of the project along with videos of pipe installations may be viewed at www.fortlauderdale.gov/infrastructure.



The high-density polyethylene (HDPE) sewer pipe is being installed using a trenchless technology technique called directional boring, which eliminates the need to dig up the entire street, minimizes disruption to the neighborhoods and traffic flow, makes for a quicker more efficient installation, and requires much less time for restoration work. The new HDPE pipe is more resistant to corrosion, has fewer mechanical joints, and is more flexible than traditional ductile iron sewer pipe. This will reduce maintenance and improve the infrastructure's resilience to rising groundwater tables and sea level rise.

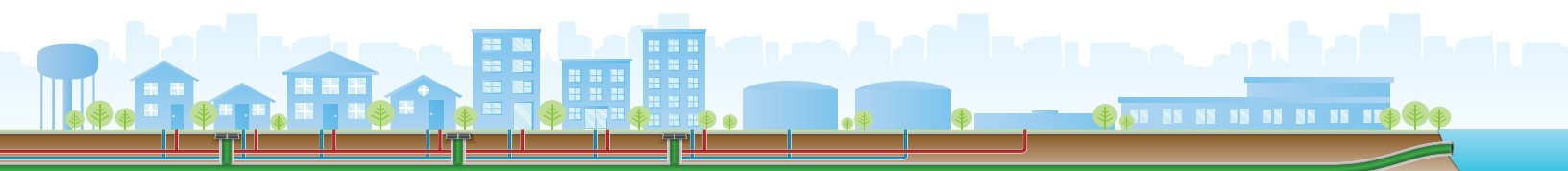


Two contractors are working on the project simultaneously to expedite construction. Murphy Pipeline is installing the northern portion of the pipe, from NE 37 Court south to NE 8 Street. David Mancini & Sons, Inc. is installing the southern portion of the redundant line, from NE 8 Street south to the wastewater treatment plant.

The project is being accomplished in record time. Typically, a project of this size and magnitude would have taken more than a year to plan, permit and break ground followed by three years of construction. Under the City Manager's leadership, the City had a contract signed in a matter of weeks, had shovels in the ground in less than 60 days, and is on track to have the project completed in less than 18 months. The speed and scope of these actions speak to the City Commission's commitment to the community to greatly improve infrastructure.

The next phase of work will encompass the installation of approximately 1.1 mile (5,600 feet) of pipe. Sections being worked on include: Bayview Drive from NE 27 Court to NE 30 Street; 11 Avenue from SE 2 Street to NE 6 Street; and SE 10 Avenue from SE 14 Court to SE 12 Street.

Upon completion of the new force main, the City plans to rehabilitate the existing 54-inch sewer main, which will create full redundancy, enhance reliability, and improve service to neighbors.



The City of Fort Lauderdale has over 150 infrastructure projects in the active stages of planning, design, bidding and construction.

Following is a snapshot of a variety of projects that are underway. To view more projects, visit LauderWorks at www.fortlauderdale.gov/lauderworks.

1. Fiveash Water Treatment Plant Improvements

This project includes reliability upgrades and enhancements throughout the plant. Major items include replacing the control system for the entire plant, upgrading emergency generators, modifying the high service pumps, and strengthening resiliency at the plant. Status: Bidding; Address: 4321 NW 9th Avenue

2. NE 65th Court Pump Station Replacement

This project will replace the existing wastewater pump station with a new duplex station with two submersible pumps. Status: Bidding; Address: 3701 NE 65th Court

3. NE 23rd Avenue Stormwater Improvements

This project includes the installation of new stormwater infrastructure to address flooding issues at the site. Status: Construction; Address: 4848 NE 23rd Avenue

4. NE 25th Avenue 24-Inch Force Main Replacement

This project will replace approximately 5,500 linear feet of 24-inch sewer force main. Status: Design; Address: NE 25th Avenue from Commercial Boulevard to Oakland Park Boulevard

5. NE 38th Street 42-Inch Force Main Replacement

The first phase of this project will consist of replacing approximately 8,000 linear feet of 42-inch sewer force main. Status: Design; Address: along NE 38th Street between N. Dixie Highway and Coral Ridge Country Club and along NE 19th Avenue between NE 38th Street and NE 32nd Street

6. Bermuda Riviera Water Main Improvements

This project will replace existing water mains with approximately 25,000 linear feet of new 8-inch water mains. Status: Construction; the project is 98% complete; Address: 63 Fort Royale Isle

7. Coral Shores Water Main Improvements

This project will replace existing water mains with approximately 6,200 linear feet of new 6-inch water mains. Status: Bidding; Address: 2884 NE 21st Street

8. Victoria Park North Water Main Improvements

This project is replacing approximately 26,500 linear feet of existing water mains with new 6-inch and 8-inch water mains and improving fire hydrant coverage. Status: Construction; the project is 74% complete; Address: NE 7th Street and NE 19th Avenue

9. Victoria Park South Water Main Improvements

This project is replacing approximately 29,000 linear feet of existing water mains with new 6-inch and 8-inch water mains and improving fire hydrant coverage. Status: Construction; the project is 72% complete; Address: the area from NE 6th Street to Broward Boulevard

10. Victoria Park Sewer Basin Rehabilitation

This project is rehabilitating mainline sewers, manholes, and service laterals in Victoria Park. Status: Construction; the project is 84% complete; Address: 625 NE 19th Avenue

11. Isle of Palms Seawall Replacement

This project is replacing the Isle of Palms seawall which was identified in the Seawall Master Plan as the top priority seawall replacement within the City. Status: Construction; the project is 88% complete; Address: Isle of Palms Drive

12. Flagler Heights Sewer Basin Laterals

This project is rehabilitating sewer laterals in the Flagler Heights Sewer Basin. Status: Construction; the project is 80% complete; Address: 630 NE 2nd Avenue

13. Bridge Replacement at South Ocean Drive

This project will replace an existing bridge on South Ocean Drive in the Harbor Beach area. Status: Bidding; Address: South Ocean Drive

14. Bridge Replacement at Coconut Isle

This project is replacing the existing Coconut Isle Bridge in the Las Olas Isles neighborhood. Status: Construction; the project is 40% complete; Address: Coconut Isle Drive

15. Dorsey-Riverbend Sanitary Sewer Collection System Rehabilitation

This project is rehabilitating the sanitary sewer collection system located in the Dorsey-Riverbend neighborhood. The project scope includes relining the sanitary sewer collection mains and laterals. Status: Construction; the project is 89% complete; Address: 1410 NW 4th Street

16. Riverland Road Area Pump Station Replacements

This project will replace the existing pumps at the Riverland Road Pump Station with higher capacity models. Station piping valves and the wet well will be upgraded as necessary. Status: Design; Address: Riverland Road area at SW 37th Avenue and Fairfax Drive

17. Effluent Pumps Standby Generator & Administration Building Improvements

This project will make significant upgrades to the George T. Lohmeyer Wastewater

Treatment Plant including installing a 10 megawatt gas-turbine emergency generator to operate the effluent pumps. Status: Project initiation and planning; Address: 1765 SE 18th Street

18. Redundant Effluent Pipeline to Wellfield

This project will install a redundant effluent pipeline from the George T. Lohmeyer Wastewater Treatment Plant to a deep well site. Status: Project initiation and planning; Address: 1765 SE 18th Street

19. Targeted 7-Neighborhood Stormwater Program

This project is tracking the progress of the Stormwater Program Phase II, which includes the Stormwater Master Plan Model Implementation and the design and permitting of stormwater infrastructure projects in seven priority neighborhoods prone to flooding. Status: Permitting; Address: areas of Dorsey-Riverbend, Durrs, Edgewood, Progresso Village, River Oaks South, East Isles, and Victoria Park Neighborhoods

20. Harbour Inlet Area Force Main Upsizing

This project will replace the existing 8-inch and 10-inch force mains with approximately 2,000 linear feet of new 12-inch force main. Status: Bidding; Address: Harbour Inlet Drive from A1A to Barbara Drive and along Barbara Drive from Harbour Inlet Drive to the Stranahan River

21. Tarpon River Sewer Basin Rehabilitation

This project includes the rehabilitation of main line sewers utilizing trenchless technology, as well as road restoration and landscaping. The project is part of the Wastewater Conveyance System Long Term Remediation Program. Status: Design; Address: 112 SW 7th Street

22. 1716 SE 7th Street Stormwater Improvements

This project includes the installation of stormwater infrastructure which will enhance drainage and help alleviate stormwater flooding. Status: Project initiation and planning; Address: 1716 SE 7th Street

✓ 23. Rio Vista Emergency Force Main Replacement (Completed)

This project includes the installation of a new force main in the Rio Vista neighborhood. The new force main will connect to the existing 54-inch line and enable the 36-inch above ground bypass line that runs along SE 9th Avenue will be deactivated and removed. Status: Construction; This project is 100% complete; Address: SE 9th Avenue and SE 10th Street

24. Redundant Sewer Force Main Project

This project includes the construction of a new 7.5 mile wastewater transmission line that will run from the Coral Ridge Country Club Wastewater Lift Station near Bayview Drive and NE 37 Street to the G.T. Lohmeyer Wastewater Treatment Plant (GTL) located on SE 18 Street. Status: Construction; This project is 30% complete Address: SE 9th Avenue and SE 11th Court to 12th Court

Stormwater park on approximately nine acres of undeveloped land in the River Oaks neighborhood The design includes water control basins and an underground conveyance system to improve drainage and help decrease flooding in the neighborhood. Status: Construction; Address: 2101 SW 19th Avenue

New River. Status: Design; Address: SE 1st Avenue

27. Cordova Road Seawall Replacement

This project includes the repair and replacement of approximately 2,500 linear feet of seawall along Cordova Road between SE 7th Street and SE 12th Street in the Rio Vista neighborhood to strengthen resiliency and help decrease flooding. Status: Construction; This project is 50% complete; Address: Cordova Road from SE 7th to SE 12th Street

25. River Oaks Stormwater Park

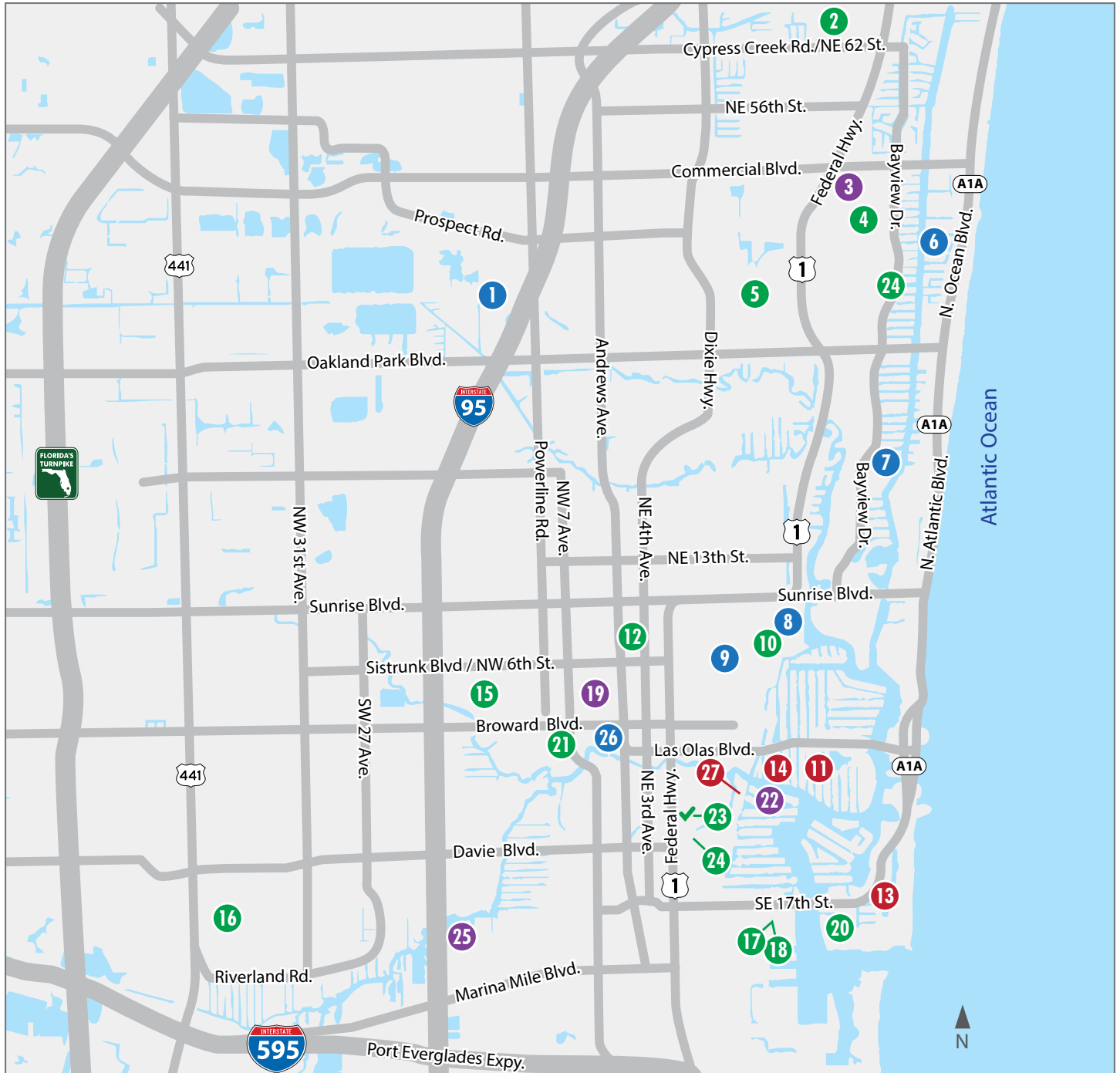
This project includes the design of a

26. Central New River Water Main River Crossings

This project includes replacing submerged water mains that run under portions of the

INFRASTRUCTURE PROJECT MAP

- Sewer Projects
- Water Projects
- Stormwater Projects
- Other Projects



NEWS AND NOTES



New Force Main on Las Olas Boulevard

A new 16-inch force main is being installed on Las Olas Boulevard from Lido Drive to Merle Fogg Park. The first phase of the project has already been completed. Phase Two, which is now underway, includes the installation of approximately 3,100 feet of force main under Las Olas Boulevard. The scope of work also includes connecting the pump station on Lido Drive to the newly installed sewer main that runs underneath the Intracoastal Waterway, along with upgrades and enhancements to a second pump station serving the area. The new sewer main will increase capacity in the system providing neighbors in the Las Olas Isles and surrounding areas with enhanced service and reliability.



Recently Completed Projects

- ▶ A mile of new 16-inch sewer main has been successfully installed in the Victoria Park neighborhood (see photo at left).
- ▶ One-third mile of new 12-inch sewer main has been successfully installed in the Coral Ridge Country Club Estates neighborhood along NE 36 Street.
- ▶ Installation of a new 16-inch sewer pipe was successfully completed in George English Park at 1101 Bayview Drive in Coral Ridge.
- ▶ More than 2,000 feet of new 54-inch sewer main was installed along SE 9 Avenue in the Rio Vista neighborhood which enabled crews to remove the above ground bypass line.

GET INFORMATION AND UPDATES



CITY OF FORT LAUDERDALE

24-hour Neighbor Call Center: 954-828-8000

Website: www.fortlauderdale.gov/infrastructure

LauderWorks: www.fortlauderdale.gov/lauderworks

Email Updates: www.fortlauderdale.gov/enews

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