

GO BIG GO FAST! FORT LAUDERDALE



Progress continues with the “Go Big, Go Fast!” initiative for water and sewer infrastructure improvements

WHAT'S NEW:

- **High tech, directional boring for sewer main under the New River is complete!**

Deep under the New River at SW 7th Avenue, the City has completed installation of a new 30-inch sewer force main. The installation of 700 linear feet of pipeline under the river is a critical part of a massive \$14.5 million investment in sewer infrastructure. Phase I of the project stretches from SW 2nd Street at 8th Avenue to SW 7th Street at SW 6th Avenue.

- **Lake Estates' water main construction starts next week**

The contractor for the Lake Estates' water main project is mobilized and in place. Work is scheduled to begin next week on the replacement of 8,000 linear feet of pipeline. This project represents a \$4.6 million upgrade in water infrastructure and is expected to be completed in approximately five months.

- **King Tides and heavy rainfall impact sewer system**

The City is currently experiencing extremely high inflow and infiltration into the sanitary sewer system as a result of seasonal King Tides and heavy rainfall. These factors increase the inflow at the G.T. Lohmeyer Wastewater Treatment Plant. This week, the City is installing a new 800 horsepower motor to run the plant's cryogenic oxygen unit where it is estimated to produce up to 25 tons of oxygen, making the plant more efficient in its wastewater processing and treatment functions. The old motor will be refurbished and held in storage for emergencies.

See back for project details!



For regular updates on water and sewer improvements, visit www.fortlauderdale.gov/gobiggofast.



FORWARD PROGRESS

- **New CRA Lift Station underway**

Crews have begun work on a new CRA Lift Station located at the corner of Riomer Street and Antioch Avenue on Fort Lauderdale Beach. This week, excavation started for the installation of a wet well. As sewage enters a wet well and the waste water level rises, pumps begin operating to push the sewage into a force main or lift it to a higher level to continue the gravity flow to the treatment plant. The City is investing \$2.1 million in the project.

- **Imperial Point Lift Station construction starts October 16th**

The City Commission approved a contract in August to build a new Lift Station in the Imperial Point neighborhood. The project, located at 2152 Imperial Point Drive, was awarded to Intercounty Engineering, Inc., for \$1.6 million.

Other Lift Station projects that are in the design and procurement phases include the Isle of Venice Lift Station, Downtown Area Lift Station, and Harbor Beach Lift Station.

- **Work underway on Rio Vista Sewer Basin**

A project to prevent inflow and infiltration is underway in the Rio Vista neighborhood. The three-year \$2.9 million investment, which includes the rehabilitation of sewer mains, manholes and service lines, started in August.

Four other inflow and infiltration prevention projects are underway in Victoria Park, Downtown, Flagler Heights, and Dorsey-Riverbend.

*For more information, please visit
www.fortlauderdale.gov/gobiggofast.*

WHAT IT MEANS:

Directional Boring

Directional boring is a method of installing underground pipe without digging trenches or excavating. This method is a practical solution for installing pipelines deep under canals, rivers and roadways.

Gravity Sewer Main

A gravity sewer main is a pipeline that uses the difference in elevation, or height above sea level, to move sewage to a lower elevation. Because of Fort Lauderdale's low elevation, the City must use a combination of gravity and force mains to move sewage to the treatment plant.

Inflow & Infiltration Reduction

Inflow and Infiltration refers to stormwater and groundwater that enters the sanitary sewer through a variety of defects, including cracks and bad joints, causing large volumes of water to enter the sanitary sewer system.

Lift Stations

Lift stations (also known as pump stations) move wastewater from lower to higher elevations which are necessary at locations where gravity flow is not sufficient for moving sewage to the treatment plant.

Sewer Basins

Sewer basins (also known as a catch basins) are receptacles or pits beneath sewer mains which are designed to stop and retain matter that could block a sewer main. Sewer basins are regularly cleaned.

Sewer Force Mains

Sewer force mains are pressurized pipelines that move wastewater to the sewage treatment plant.



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