WHAT’S NEW:

2018 has been a banner year for the completion of major water and wastewater projects with 11 underground projects successfully finished and now fully operational

The “Go Big, Go Fast!” infrastructure improvement initiative, our comprehensive, citywide plan for investing over $460 million in water and sewer projects, has been a tremendous success. Eleven major projects have been completed:

1. The new 30-inch sewer main from SW 2nd Street and SW 8th Avenue to SW 6th Avenue and SW 7th Street
2. The new 30-inch sewer main along SW 2nd Street from SW 4th Avenue to SW 8th Avenue
3. The new 30-inch force main along Sistrunk Boulevard from NW 19th Avenue to NW 4th Avenue
4. The new 30-inch force main in the area of NW 19th Avenue
5. The new Fort Lauderdale Beach Lift Station at Riomar Street and Antioch Avenue
6. The rehabilitated Harbor Beach Lift Station at 2 Harborage Drive
7. The Central Beach Inflow & Infiltration Reduction Project at 729 N. Birch Road
8. The Lake Estates water mains in the area near NE 56th Street and Bayview Drive
9. The Las Olas Boulevard Force Main Replacement
10. The rehabilitated SW 9th Avenue and Avocado Isle Lift Station
11. The NW 7th Avenue Sewer Extension Project

For many of the projects, the City utilized trenchless technology, an innovative engineering technique, with deep underground boring to install miles of new wastewater pipelines and new protective linings for existing pipelines. The City received international recognition for our innovative initiative which was cited as “one of the largest trenchless” projects in North America with successful completion of over 4 miles of force main.

Digital media channel, Trenchless Technology, a leading authority for underground construction professionals, reported that “The emergency trenchless design-build project represents one of the largest trenchless responses in North America in terms of complexity, pipe sizes, lengths, array of technologies and technical advancement.”

The City received a second accolade from the American Council of Engineering Companies of Florida which recognized the City’s engineering contractor, Chen Moore and Associates, with an honor in the “Engineering Excellence Award Winners” program. The awards program acknowledges Florida engineering firms for their “ground-breaking applications and intricate projects.”

Looking ahead: 2019 and beyond

As the New Year rolls in, so too, does heavy equipment for major projects scheduled for 2019 and beyond, including:

- The Victoria Park water main project with an investment of $12.7 million
- The Croissant Park water main project with an investment of $3.0 million
- Numerous wastewater projects with an investment of $145 million
- Fiveash Water Treatment Plant Reliability Improvements with an investment of $33.5 million
- Inflow and Infiltration (I&I) Projects with an investment of $33.3 million

The City is aggressively taking aim at reducing Inflow and Infiltration of stormwater and groundwater into the wastewater system. Increasing system capacity is an extremely important initiative as the City prepares for sustainable growth.

Completion of all of the wastewater projects has been deemed a top environmental priority to prevent overflows into waterways surrounding our neighborhoods.

See back for more project updates!
The City maps progress on infrastructure improvements in every direction! The City moved forward with progress on new Force Mains, Lift Station Projects and Inflow & Infiltration Reduction Projects:

1. Phase I: New 30-inch sewer main from SW 2nd Street and SW 8th Avenue to SW 6th Avenue and SW 7th Street; Status: Finished
2. Phase II: New 30-inch sewer main along SW 2nd Street from SW 4th Avenue to SW 8th Avenue; Status: Finished
3. Phase III: New 30-inch force main along Sistrunk Boulevard from NW 19th Avenue to NW 4th Avenue; Status: Finished
4. Phase IV: New 30-inch force main in the area of NW 19th Avenue; Status: Finished
5. New Fort Lauderdale Beach Lift Station at Riomar Street and Antioch Avenue; Status: Finished
6. Isle of Venice Lift Station Rehabilitations at 217 Hendricks Isle and 97 Venice Isle; Status: The contractor installed the forcemain and plug valve for the Lift Station at the Isle of Venice; electrical work is underway; six laterals have been replaced; estimated project completion in January 2019
7. Imperial Point Lift Station Rehabilitation at 2151 Imperial Point Drive; Status: The completely rehabilitated Lift Station is fully operational; the installation of rubber isolation materials on suction and discharge piping is underway to address noise and vibration issues; estimated project completion in January 2019
8. New Downtown Area Lift Station at 800 SE 2nd Court; Status: Construction is nearly 60% complete; work continues on components of the Lift Station; coordination to resolve unforeseen water main and electrical conduit conflicts is underway; estimated project completion in February 2019
9. Harbor Beach Lift Station at 2 Harborage Drive; Status: Finished
10. Victoria Park Basin Inflow & Infiltration Reduction Project at 625 NE 19 Avenue; Status: The task order to complete the rehabilitation of main lines, laterals and manholes was approved and the contractor has been directed to proceed with the project; a construction kick-off meeting was held this week; estimated project completion in December 2019
11. Rio Vista Inflow & Infiltration Reduction Project at 1200 Cordova Road; Status: The contractor installed three t-liners last week; negotiations are underway to replace rather than line 14 laterals located on SE 15th Street; to mitigate traffic congestion, construction work is planned during the overnight hours; estimated project completion in July 2020
12. Downtown Basin Inflow & Infiltration Reduction Project at 203 SW 1st Avenue; Status: Video surveys of over 50% of the mainline gravity sewers have been reviewed; additional video inspections in the area of Las Olas Boulevard are pending approval of a Maintenance of Traffic (MOT) plan which is expected in early January; the installation of lateral liners is underway; staff is reviewing proposed construction costs to replace rather than line six laterals; estimated project completion in July 2020
13. Flagler Heights Inflow & Infiltration Reduction Project at 630 NE 2nd Avenue; Status: The contractor has completed the current task order; Hazen & Sawyer, an engineering firm, is directing the remainder of the rehabilitation project; estimated project completion in September 2020
14. Dorsey-Riverbend Inflow & Infiltration Reduction Project at 1410 NW 4th Street; Status: The contractor installed two t-liners, two sectionals and 540 linear feet of mainline last week, completing the current task order; a contractor has been selected and plans are underway for additional rehabilitation projects; estimated project completion in September 2019
15. Central Beach Inflow & Infiltration Reduction Project at 729 N. Birch Road; Status: Finished
16. Lake Estates Water Mains in the area near NE 56th Street and Bayview Drive; Status: Finished
17. Second Avenue Tank Restoration on NW 2nd Avenue near NW 6th Court; Status: City staff is reviewing the contractor’s request for an additional 45 days to complete the project; the installation of the exterior steel railings has been delayed; the installation of conduits and wiring for the new power supply is underway; estimated project completion to be determined
18. Las Olas Boulevard Force Main Replacement; Status: Finished
19. NW 9th Avenue and Avocado Isle Lift Station; Status: Finished
20. New force main construction along Las Olas Boulevard and Riviera Isles Drive Lift Station improvements; Status: The Florida Department of Environmental Protection (FDEP) has approved the City’s plans to construct a new force main along Las Olas Boulevard from Lido Drive to Merle Fogg Park, connect the new force main to the subaqueous force main crossing the Intracoastal Waterway, and make improvements to the Lift Station on Riviera Isles Drive; the project is currently underway; estimated project completion in September 2020.
21. NW 7th Avenue Sewer Extension Project; Status: Finished
22. Croissant Park Water Mains Project; Status: A Maintenance of Traffic (MOT) permit has been issued; the contractor plans to mobilize equipment on January 2, 2019; estimated project completion in August 2019
23. NW 13th Street and NW 7th Avenue 24-inch Sewer Main Rehabilitation Project; Status: Planning is underway to invest approximately $3.3 million for sewer main rehabilitation; estimated project completion to be determined
24. Cypress Creek Manhole Rehabilitation Project; Status: Construction is nearing completion; the contractor has completely rehabilitated all of the 30 manholes included in the project; construction costs for two repairs at NW 15th Avenue and NW 31st Avenue are under review; estimated project completion in January 2019
25. Victoria Park Watermain Improvements; Status: Construction of over 11 miles of new water mains is expected to begin in early 2019; contract review by the City Commission is expected next month; estimated project completion in January 2021

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