



## LETTER TO THE COMMISSION

**LTC No: 26-108**

**TO:** Honorable Mayor and Members of the Fort Lauderdale City Commission  
**FROM:** Rickelle Williams, City Manager *RW*  
**DATE:** April 13, 2026  
**SUBJECT:** **Wastewater Consent Order Update and Inflow & Infiltration (I&I) Program Development**

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The purpose of this Letter to the Commission (LTC) is to provide an update on the City's Wastewater Consent Order with the Florida Department of Environmental Protection (FDEP) Office of the General Council (OGC). Utility Services Department staff provided an update on the Wastewater Consent Order to the Infrastructure Task Force Advisory Board on April 6, 2026. City staff will also present at the April 21, 2026, City Commission Conference Meeting to share the status of current and pending Consent Order deliverables.

On September 29, 2017, the City entered into Consent Order OGC File No. 16-1487 with FDEP in response to sanitary sewer overflows.

On October 12, 2020, the Consent Order was amended following several breaks on critical sewer transmission pipelines. The City has met key milestones and continues to make significant progress toward the completion of the capital improvements required under the Amended Consent Order. To date, the City has completed seventy-two (72) of seventy-six (76) milestones, with fifty-five (55) completed ahead of schedule.

The remaining four (4) milestones include the installation of permanent emergency generators at the George T. Lohmeyer Wastewater Treatment Plant (GTL WWTP), phase II force main rehabilitation projects, and two (2) semiannual progress reports.

### **OGC File No. 16-1487 Remaining Milestones**

- **Milestone One (1):** Install Permanent Emergency Generators at GTL WWTP
  - Required Completion Date: May 2, 2026
  - Description and Status: Four (4) backup generators for the effluent pumps have been installed. Electrical and control work is still in progress. A request was submitted to extend the deadline to December 31, 2026, due to delays and unforeseen site conditions at the GTL WWTP.

- **Milestone Two (2):** Semiannual Report
  - Required Completion Date: July 31, 2026
- **Milestone Three (3):** Semiannual Report
  - Required Completion Date: January 31, 2027
- **Milestone Four (4):** Three (3) Projects - Phase II Force Main Rehabilitation
  - Required Completion Date: September 30, 2026
  - Description and Status:
    1. NE 25 Avenue Twenty-Four Inch (24") Force Main – Project No. P12383 / NE 38 Street and NE 19 Street Forty-Two-Inch (42") Force Main – Project No. P12384
      - Requirement – Rehabilitate or replace approximately 8,000 linear feet of forty-two-inch (42") ductile iron pipe force main along NE 38 Street and install approximately 2,500 linear feet of new twenty-four-inch (24") force main along NE 25 Avenue.
      - Status – All of the new force main pipes have been installed. Pressure testing and work at the City's Repump B Station are currently in progress. Once pressure testing of the new pipe is finished, the new lines will be connected to the existing systems serving the City of Oakland Park and the City of Wilton Manors. The project remains on schedule and is expected to be completed by the deadline of September 30, 2026.
    2. SE 9 and SE 10 Avenue Forty-Eight to Fifty-Four-Inch (48"- 54") Force Main to GTL WWTP
      - Requirement - Rehabilitate or replace approximately 19,400 linear feet of existing forty-eight to fifty-four-inch (48" – 54") force main along SE 9 and SE 10 avenues leading to GTL WWTP.
      - Status - Rehabilitation of the main force is ninety percent (90%) complete. Pressure testing and additional new pipe installation still need to be completed. The project experienced several delays, and a time extension request to September 30, 2026, is being prepared.

### 3. Effluent Force Main from GTL WWTP to Injection Wells\*

- Requirement - Rehabilitate or replace the prestressed concrete cylinder pipe (PCCP) effluent force main extending from the GTL WWTP facility to the deep injection wells.
- Status - Installation and pressure testing of the sixty-inch (60") force main is complete. Remaining work includes connecting to the deep injection wells and the GTL plant. The project is scheduled for completion by March 22, 2027.

As work progresses under the first Amended Consent Order, the City is also negotiating a Second Amended Consent Order with FDEP focused on Inflow & Infiltration (I&I) reduction and the evaluation of emergency disposal systems at GTL WWTP. As part of these negotiations, the City will develop and implement a comprehensive, data-driven I&I program aimed at reducing excess flows in the wastewater system over a seven (7)-year period.

The I & I program is expected to include the following components:

- Preparation of an I&I Evaluation Plan within six (6) months of the effective date to prioritize basins, conduct field investigations, and establish measurable reduction targets;
- Completion of a system-wide, professional engineer-certified analysis to define maximum allowable dry- and wet-weather flows;
- Development of a phased Rehabilitation Plan to implement corrective actions based on risk and severity. These actions may include repairing manholes, eliminating illegal connections, and addressing defective infrastructure; and
- Incorporation of performance tracking, permitting, monitoring and data analytics, regular progress reporting, and a final report documenting achieved I&I reductions.

The City has already initiated I&I efforts that align with these anticipated requirements and is making meaningful progress, as reflected in Exhibit 1. City staff will continue coordinating closely with FDEP as negotiations on the Second Amended Wastewater Consent Order move toward finalization. Negotiations are expected to conclude by mid-2026, after which the proposed Second Amended Consent Order will be presented to the City Commission for consideration.

For further information, please contact Albert Carbon, P.E., Director of Utility Services, at 954-828-6563 or [ACarbon@fortlauderdale.gov](mailto:ACarbon@fortlauderdale.gov).

Attachment:

1. I&I Progress Report

c: Shari McCartney, City Attorney  
David R. Soloman, City Clerk  
Patrick Reilly, City Auditor  
City Manager's Office  
Department Directors



**City of Fort Lauderdale**  
**Citywide Inflow and Infiltration Reduction Program**  
**P12214 – Task Order No. 1**  
**Biweekly Program Status Summary Report**

REPORT DATE	REPORTING PERIOD
03/16/2026	02/26/2026 – 03/13/2026

**PROGRAM SUMMARY**

The Citywide I&I Reduction Program continues to advance Sanitary Sewer Evaluation Survey (SSES) evaluation and rehabilitation efforts across the sewer system. Extensive investigation activities have been completed to support basin prioritization and repair planning, and the program is transitioning toward implementation of repairs for prioritized rehabilitation projects. SSES field activities have been demobilized until the wet season beginning in June 2026; during this period, the program is focused on ongoing CCTV construction management and CEI oversight, CCTV video review and development of repair recommendations, finalization of technical deliverables, continued data analysis for FDEP compliance, and advancement of rehabilitation efforts to support implementation of priority repairs.

During the reporting period of 02/26/2026 – 03/13/2026, Ardurra has provided clarification to various deliverables based on comments received by the city. Ardurra continues to perform CEI and CCTV video review efforts of Priority 1 (1A and 1B) CCTV projects (See attached I&I Basin Prioritization Map for reference) to establish Corrective Action Plans to guide repair activities in the inspected basins.

Ardurra is coordinating with the City to evaluate available contract capacity within the Priority 1A and 1B CCTV projects to incorporate critical sewer repairs through change orders, allowing priority defects to be addressed and reducing the risk of future system failures.

**1. ACTIVE PROJECT STATUS**

PROJECT NAME	PROJECT NO.	SCOPE	CONTRACT AMOUNT	% COMPLETE	STATUS
Priority 1A Basins CCTV *	P12214	CCTV	\$3,931,900.92	85%	Ongoing CCTV field work
Priority 1B Basins CCTV *	P12214	CCTV	\$3,404,868.28	92%	Ongoing CCTV field work
5 Basin Rehabilitation (Smoke Testing Repairs)**	P11991,P11563,P12055,P12456,P11566	Repair	\$676,720.00	34%	Ongoing construction/repairs
Dolphin Isles B-14 Basin CCTV**	P12618	CCTV	\$480,820.00	100%	Project in final closeout phase
Tarpon River A-11 Sewer Basin Rehabilitation**	P12464	Repairs	\$2,860,731.25	98%	Ongoing construction/repairs



PROJECT NAME	PROJECT NO.	SCOPE	CONTRACT AMOUNT	% COMPLETE	STATUS
Tarpon River A-11 Sewer Basin Rehabilitation Phase 2**	P12464-B	Repairs	\$2,437,489.00	0%	Pre-construction

\* Percent completion based on CCTV of total length of Gravity Mains within contract

\*\* Projects for which Ardurra is not CEI, technical involvement only upon City request

## 2. PROGRAM ACCOMPLISHMENTS DURING REPORTING PERIOD

ACTIVITIES	DESCRIPTION
Draft FDEP I&I Evaluation Plan	Continued development of the Draft FDEP I&I Evaluation Plan. The extensive SSES and system evaluation work completed to date has allowed the City to proactively compile much of the technical information required to support the upcoming submittal under the Amended Consent Order. Draft report scheduled for City review on: 03/31/2026
Integrated Field Flow Monitoring Evaluation Report and SCADA Modeling Report	Finalized consolidation of Field Flow Monitoring Evaluation and SCADA Modeling reports into one technical document summarizing basin flow analysis, model development, and findings to support Citywide I&I quantification. Draft report submitted for City review on 03/17/2026.
Construction Management and CEI – Priority 1A CCTV Project	Continued construction management and CEI oversight of the Priority 1A CCTV contract, including field inspections of contractor work, review of pay applications and change orders, and coordination with City staff and contractor to monitor construction progress.
Construction Management and CEI – Priority 1B CCTV Project	Continued construction management and CEI oversight of the Priority 1B CCTV contract, including field inspections of contractor work, review of pay applications and change orders, and coordination with City staff and contractor to monitor construction progress.
CCTV Video Reviews and Repair Recommendations (Basin B14/Dolphin Isles, Priority 1A, and Priority 1B CCTV projects)	Continued technical review and QA/QC of contractor CCTV inspection videos for Priority basins, verification of defect coding and condition assessment, and development of repair recommendations for integration into the program GIS database.
QAQC of SSES Investigation Findings	Continued quality assurance review of SSES investigation results, including smoke testing findings, visual manhole inspection data, and cleanout verification records, to validate data accuracy prior to incorporation into program databases and reporting
Smoke Testing Summary Report	Verified and integrated 303 miles of smoke testing data identifying I&I sources and defects for targeted rehabilitation planning. Due Date for City Review: 03/20/2026



ACTIVITES	DESCRIPTION
	Evaluation of Citywide sanitary sewer baseflow using multiple data sources, including land use flow estimates, treatment plant metered flow data, and SCADA system data, to establish baseline sanitary flow conditions and

### 3. CRITICAL ACTION ITEMS REQUIRING CITY COORDINATION

DESCRIPTION	RESPONSIBLE PARTY	NOTES
P11664 – Basin B6 – Rehabilitation Bid Package*	City	Last resubmittal 02/10/2026
P12465 – Basin D34 – Rehabilitation Bid Package*	City	Last resubmittal 02/10/2026
Citywide I&I CCTV and Rehabilitation Contract*	City	Last resubmittal 01/21/2026
Zero-sum Change Order for Task 4 Fund Reallocation	City	Pending issuance of finalized Change Order for Ardurra Program Management Task Order No. 1

\*The above items require expedited action to advance through procurement. Advancing these items will allow the program to proceed with repairs and implementation of prioritized rehabilitation projects identified through the completed SSES investigations.

### 4. SSES SNAPSHOT TO DATE

SEWER SYSTEM ASSESSMENT TO DATE	QTY COMPLETED (TO DATE)	NOTES
Manhole Inspections	6,484 EA	
Night Flow Isolation	227.3 MI	To be resumed when wet season commenced (June 2026)
Smoke testing	303 MI	Completed for all Priority 1-3 basins
CCTV*	53.5 MI	Priority 1A and 1B basins in progress. Next steps are Priority 2A, 2B, 2C, and 3 basins CCTV

\* CCTV is performed by independent Contractors through City contracts, not self-performed by Ardurra



## 5. REHABILITATION/REPAIRS PROGRESS TO DATE

REPAIR TYPE	QTY COMPLETED (TO DATE)	NOTES
Gravity Main CIPP	4,717 LF	Additional repairs to be done under P124664-B (Basin A-11 Phase 2), starting construction in March 2026
Sectional Liners	26 EA	
Laterals Lined	210 EA	Additional repairs to be done under P124664-B (Basin A-11 Phase 2), starting construction in March 2026
Cleanouts Repaired	147 EA	Additional repairs to be done under P124664-B (Basin A-11 Phase 2), starting construction in March 2026
Point Repairs	15 EA	Additional repairs to be done under P124664-B (Basin A-11 Phase 2), starting construction in March 2026
Lateral Abandonments	50 EA	Additional repairs to be done under P124664-B (Basin A-11 Phase 2), starting construction in March 2026
Manhole Inserts Installed*	546 EA	

\*Manhole inserts installed by Ardurra; inserts provided by City Operations as available

## 6. MEETINGS HELD WITH CITY DURING REPORTING PERIOD

MEETING	PURPOSE	DATE
P12618 – Basin B14 / Dolphin Isles CCTV – Progress Meeting*		
P12214 – Priority 1A CCTV – Progress Meeting		
Bi-weekly Program Check-in Meeting		
P12214 – Priority 1B CCTV – Progress Meeting		
Water Consumption Coordination Meeting		
GIS Asset Management and Update Coordination Meeting		
P12618 – Basin B14 / Dolphin Isles CCTV – Progress Meeting*		



MEETING	PURPOSE	DATE
P12464 – Basin A11 / Tarpon River Phase 1 Repairs – Progress Meeting*	Project progress updates meeting with CEI, City, and Contractor	
P11991,P11563,P12055,P12456,P11566 – 5 Basin Repairs – Progress Meeting*	Project progress updates meeting with CEI, City, and Contractor	
Program Progress Meeting with Public Works Leadership	Introductory meeting with City Assistant Director of Public Works and City Engineer to discuss Program progress, methodologies, and next steps	
P12214 – Priority 1A CCTV – Progress Meeting	Project progress updates meeting with City and Contractor	
P12464-B – Basin A11 / Tarpon River Phase 2 Repairs – Progress Meeting*	Project progress updates meeting with CEI, City, and Contractor	
P12214 – Priority 1B CCTV – Progress Meeting	Project progress updates meeting with City and Contractor	

\*Projects for which Ardurra is not CEI, technical involvement only upon City request

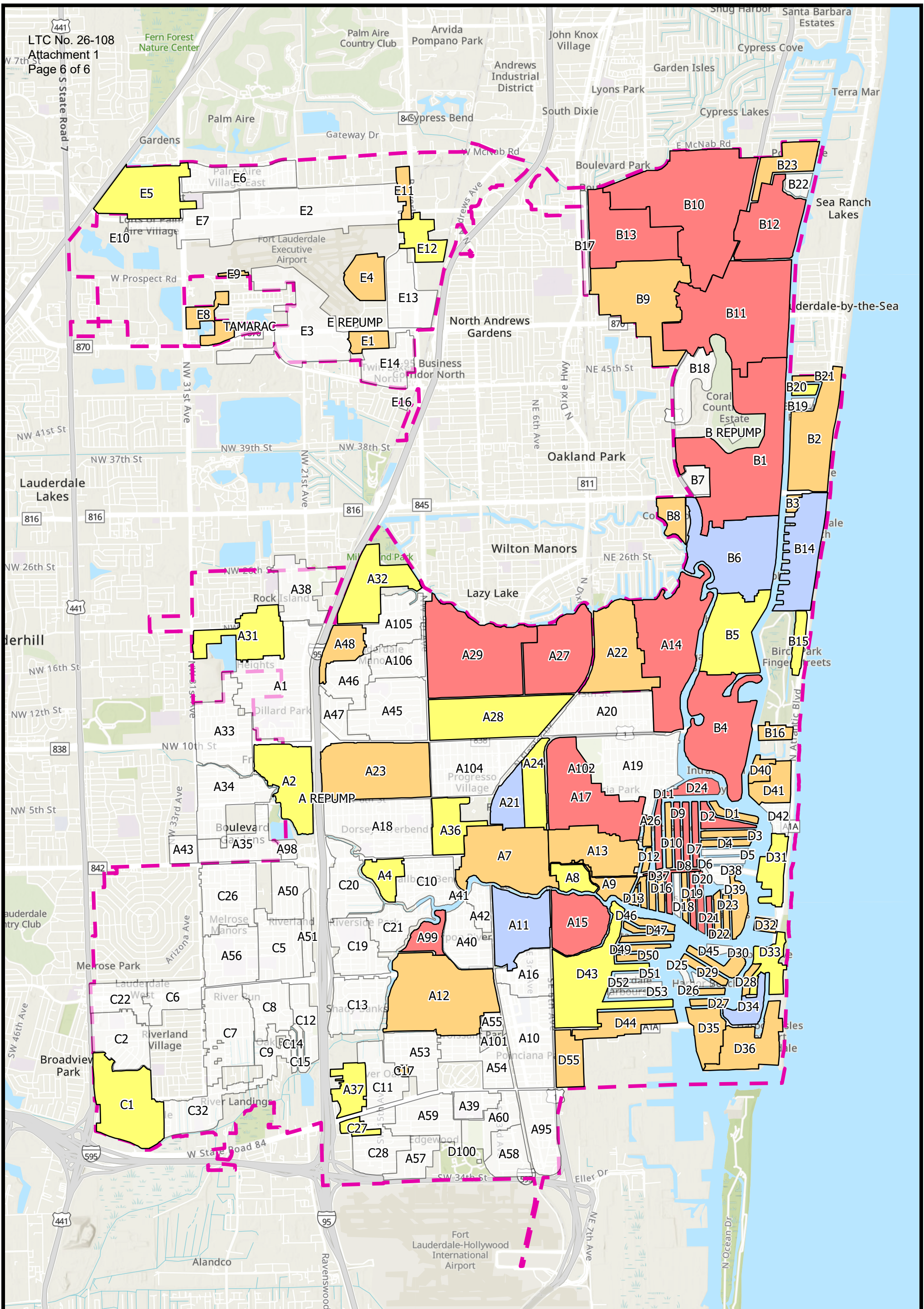
## 7. SUMMARY OF SUBMITTED DELIVERABLES DURING REPORTING PERIOD

- Field Flow Monitoring Evaluation Summary Report
  - Submitted on 2/24/2026
- Lift Station Condition Assessment Summary Report for I&I Findings
  - Submitted on 02/19/2026
  - Comment responses submitted on 03/05/2026
- ROI Methodology and Capital Cost Avoidance Justification
  - Submitted on 12/04/2025
  - Comment responses submitted on 03/05/2026
- Provided updates to City on Manhole Inserts installed on 02/28/2026
- Provided updates to City on Stormwater & Sewer cross-connections identified through smoke testing on 03/05/2026

An itemized list of Task Oder #1 Deliverables is tracked and submitted along with the Monthly Progress Report.

### SUBMITTED BY:

<b>Ardurra Program Manager</b>	Paola Davalos, P.E.
<b>City Program Manager</b>	Louis J. Lafaurie, P.E.



**CITY OF FORT LAUDERDALE  
I&I REDUCTION PROGRAM**

Priority basins  
with known or suspected I&I

**Sewer Basin Priority Categories**

- Priority 0
- Priority 1
- Priority 2
- Priority 3
- Non-Priority Basins
- City Boundary Line

