



Stormwater Improvements Melrose Manors and Riverland

Melrose Manors Neighborhood Stormwater Improvements
(P12719)

City of Fort Lauderdale, FL

Neighborhood Meeting

June 26, 2023



Meeting Objectives

- Gather your input and concerns about flooding in your neighborhood
- Give overview of stormwater management
- Provide project overview and timeline



Stormwater Management

Typical Infrastructure



Drainage Swale

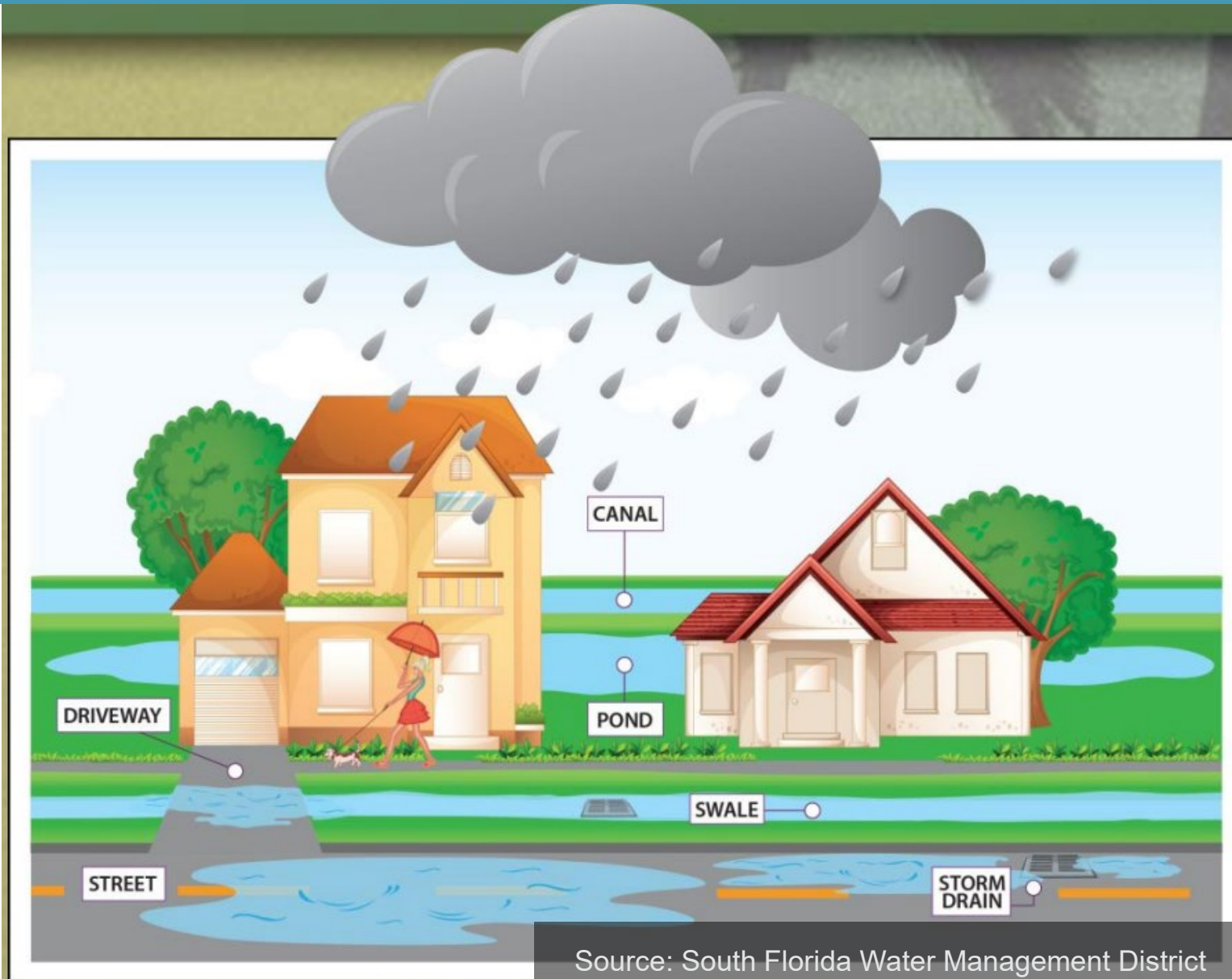


Storm Drain



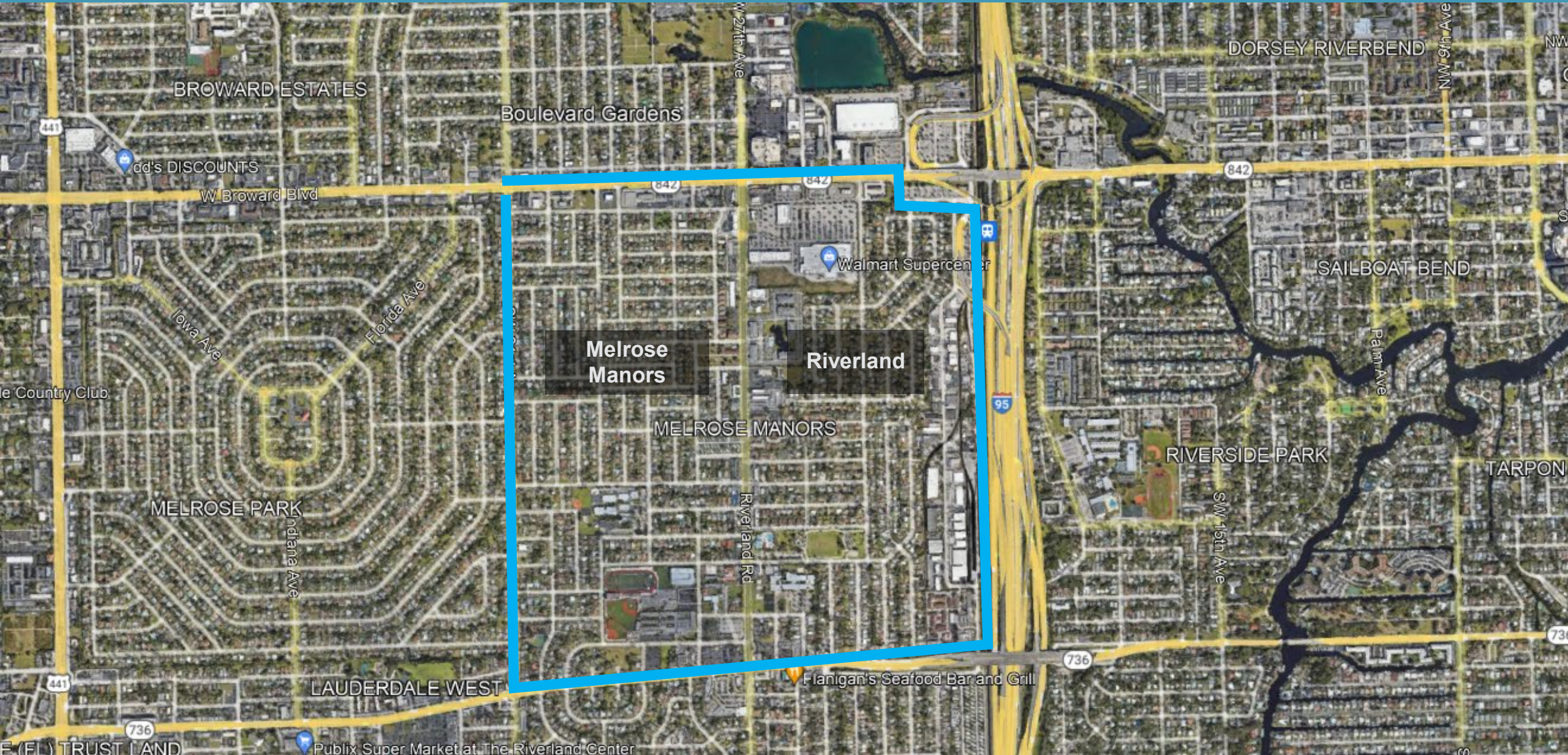
Outfall to River

Stormwater Management Overview

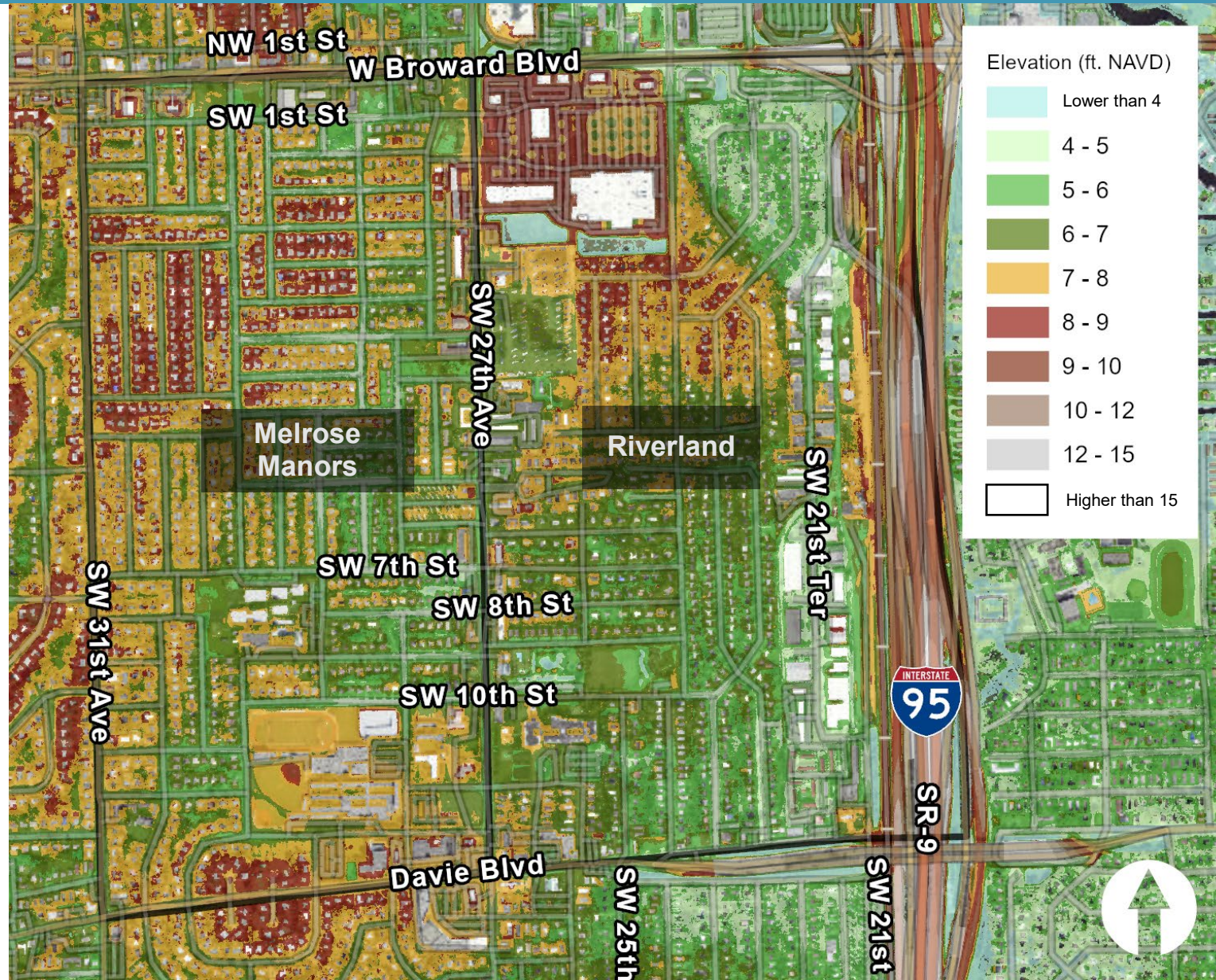


Source: South Florida Water Management District

Project Area

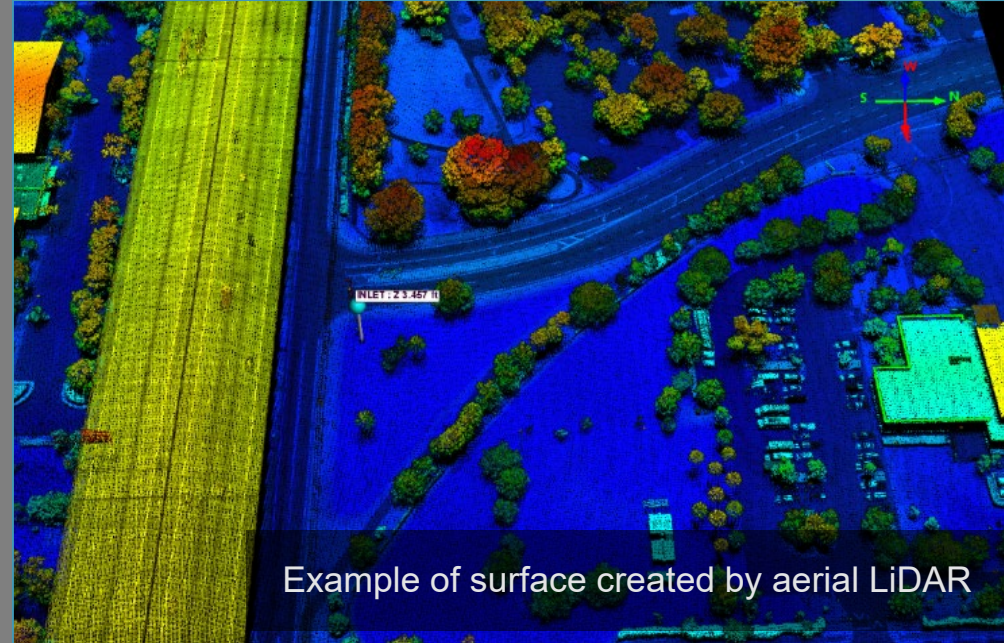
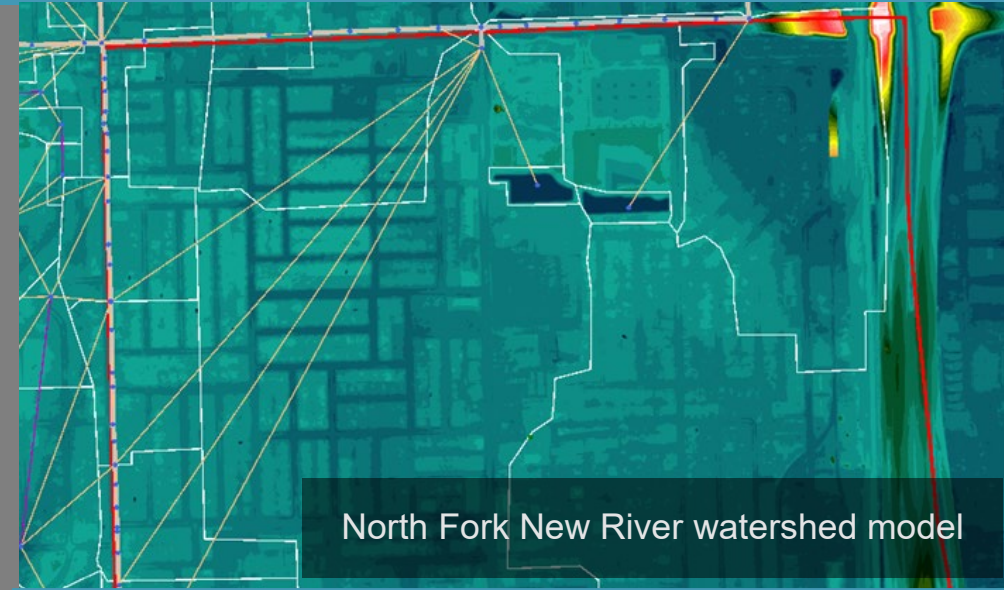


Neighborhood Elevations



Preliminary Design is Underway

- Environmental studies
- Data collection
 - Survey (mobile LiDAR)
 - Subsurface investigation
- Stormwater model
- Permit agency coordination



Estimated Timeline

- Preliminary Design Phase Completion – Summer 2024
- Final Design Phase Completion – Winter 2025
- Bidding Phase Completion – Spring 2026
- Construction Phase Begins – Summer 2026



Next Steps

- Crews will continue to collect data in your area
- Sharing of project updates via City website / social media
- We will share preliminary design recommendations at our next neighborhood meeting

CITY OF FORT LAUDERDALE
STORMWATER MANAGEMENT
IN MELROSE MANORS AUGUST 2022



Introduction

Due to extreme rain events and Tropical Storm Eta, the Melrose Manors neighborhood experienced flooding conditions in October and November 2020. The following information will be maintained, and how you can help assist flood protection efforts in your neighborhood.

Understanding Your New Drainage System

Melrose Manors is generally shaped like a bowl, with most of the higher land elevations toward the edges and the lower elevations in the center (Figure 1). Drainage in this neighborhood will be accomplished using a combination of drainage swales, storm drains, underground exfiltration trenches, storm pipes, culverts under the roadway and a pump station and force main system that will pump stormwater to the North Fork New River. The exfiltration trenches will be designed to hold water for percolation into the groundwater prior to storm discharge. After a typical rainstorm, this runoff flows to the storm drains where it will be absorbed into the ground through these exfiltration trenches to reduce ponding in the roadways. However, during the extreme rain events, stormwater in the drainage system will be discharged north through a storm pipe underneath Broward Boulevard.

Helping the City Help You

As noted earlier, this system is designed to hold water. Seeing water in storm drains in areas with exfiltration trenches is expected. However, if stormwater is ponding in roadways for over 48 hours after a storm or roads become impassable, please call the City's 24/7 Customer Service Center at 954-828-8000.

While the City regularly picks up the litter in the drainage ditch, illegal dumping of large items is an increasing problem which has the potential to impact drainage. Please report debris piles or any other unusual activities in the drainage ditch to 954-828-8000.

For more information on this project please contact
Project Manager Juan Carlos Samuel, E.I., ENV SP,
at 954-828-6323 or jsamuel@fortlauderdale.gov.



Figure 1 - Land Elevations in Melrose Manors. Red and magenta areas are at a higher elevation compared to orange and yellow areas. Water will flow toward the lowest areas. As it rains, the drainage system intercepts the flow and either stores it underground or discharges it by means of a pump station to the North Fork New River.



Figure 2 - The Proposed Melrose Manors Stormwater Management System. Flows collected by the proposed storm drain system will be conveyed to the new pump station, and pumped by pressure drain system north along Riverland Road, ultimately discharging to the North Fork New River.

We Are Asking for Your Input

- Concerns related to flooding
- Flooding experiences and associated impacts
- Flooding photos
- Neighbor Input Form
- Flooding location maps



Neighbor Input Form

Project: Stormwater Master Plan Modeling and Design Implementation

Name _____ Date _____

Address _____

City _____ State _____ Zip _____

Neighborhood _____ Telephone _____

E-mail address _____

Please answer the following questions to help us understand any flooding issues in your neighborhood.

1. Please describe your primary reason for attending this meeting.

2. Have you ever experienced flooding at or close to your residence? YES / NO. Please describe flooding event(s) and associated impacts (structure flooding, road flooding, etc.)

3. What is your biggest concern related to flooding in your neighborhood? Please explain.

4. Do you have a seawall on your property? YES NO

5. Do you have photos of any of the flooding events that you could share with the City? YES NO

6. Please provide any additional comments.

Thank you for completing this questionnaire. If you have additional questions or comments, please visit www.fortlauderdale.gov/stormwatermasterplan or email stormwatermasterplan@fortlauderdale.gov. We look forward to working with you as we strive to make Fort Lauderdale a resilient and safe coastal community.

If you would like this publication in an alternate format please call 954-828-4755 or send an email to publicaffairs@fortlauderdale.gov.

Questions?



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