



Stormwater Improvements Melrose Manors and Riverland

Melrose Manors Neighborhood Stormwater Improvements
(P12719)

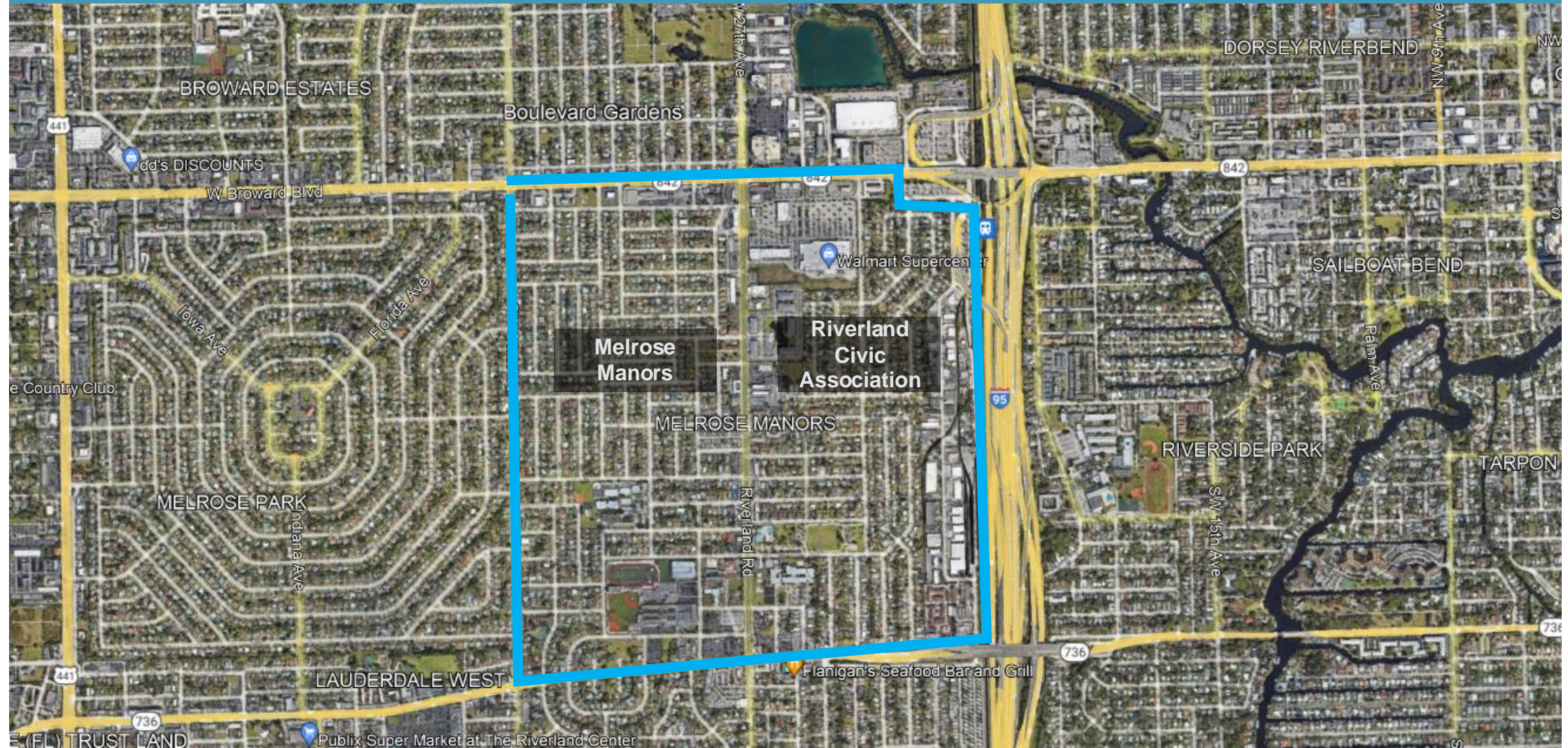
City of Fort Lauderdale, FL

Project Update

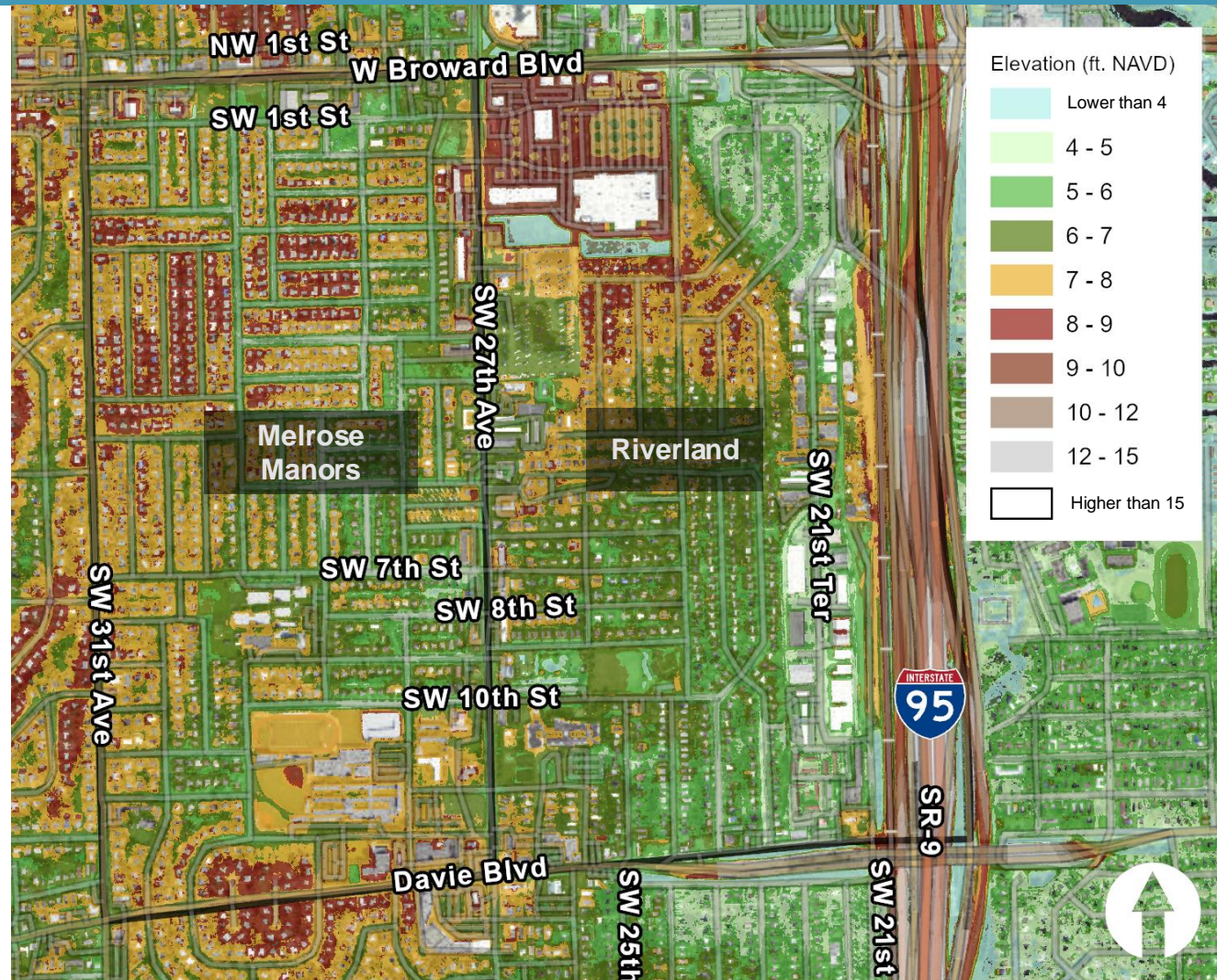
October 1, 2024



Project Area

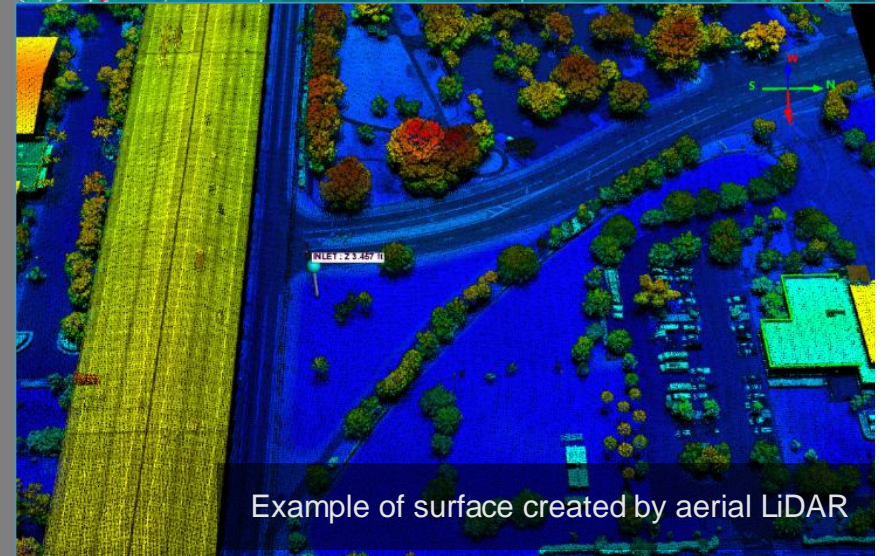
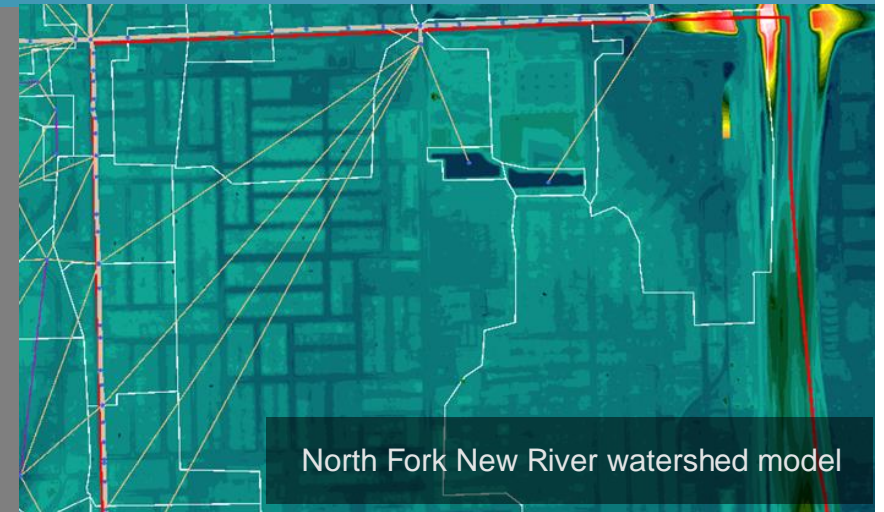


Neighborhood Elevations

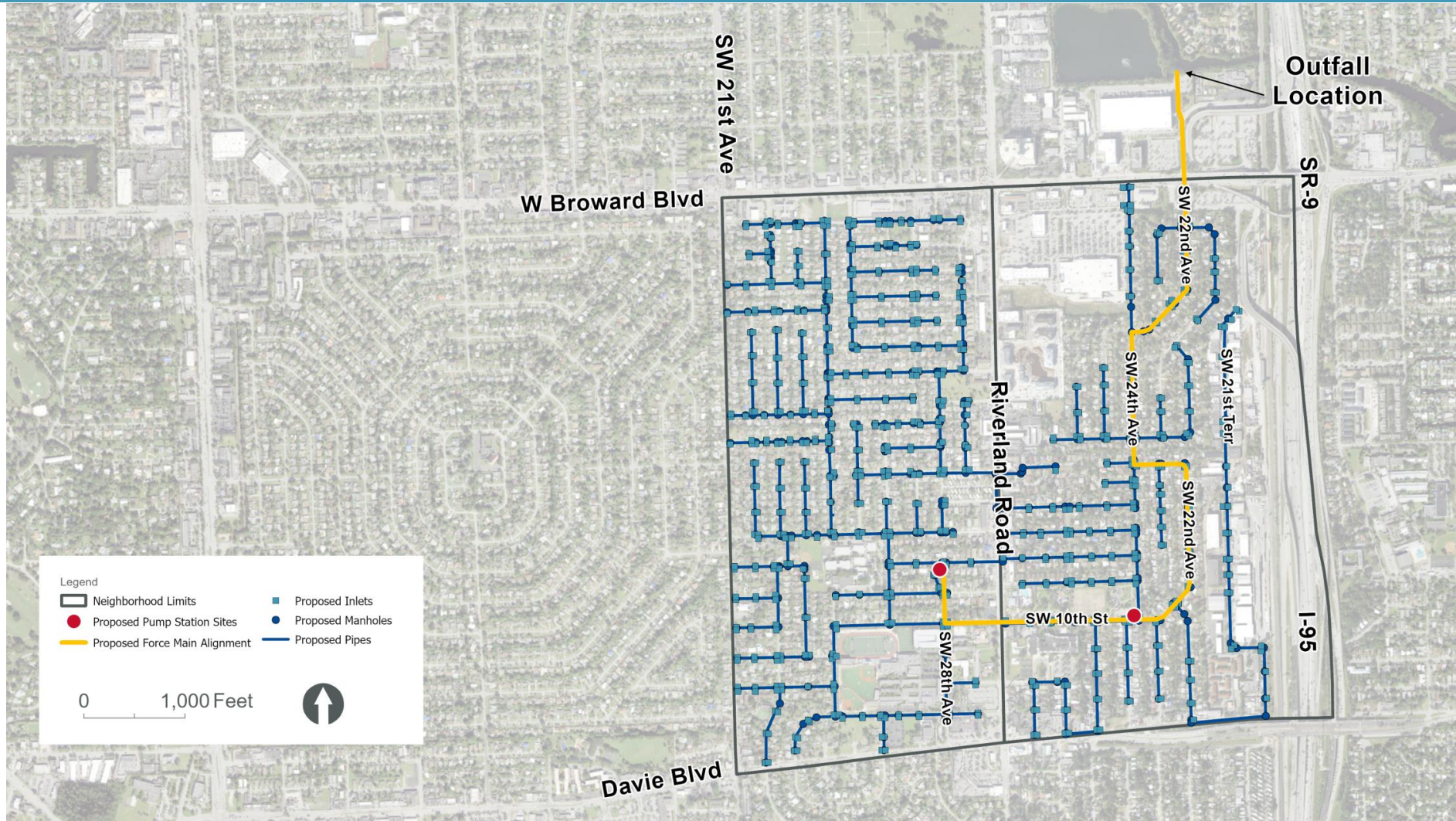


Preliminary Design is Completed

- Environmental studies
- Initial data collection
 - Survey (mobile LiDAR)
 - Subsurface investigation
- Permit agency coordination
- Conceptual stormwater model
- Public meetings
- Recommended design concept

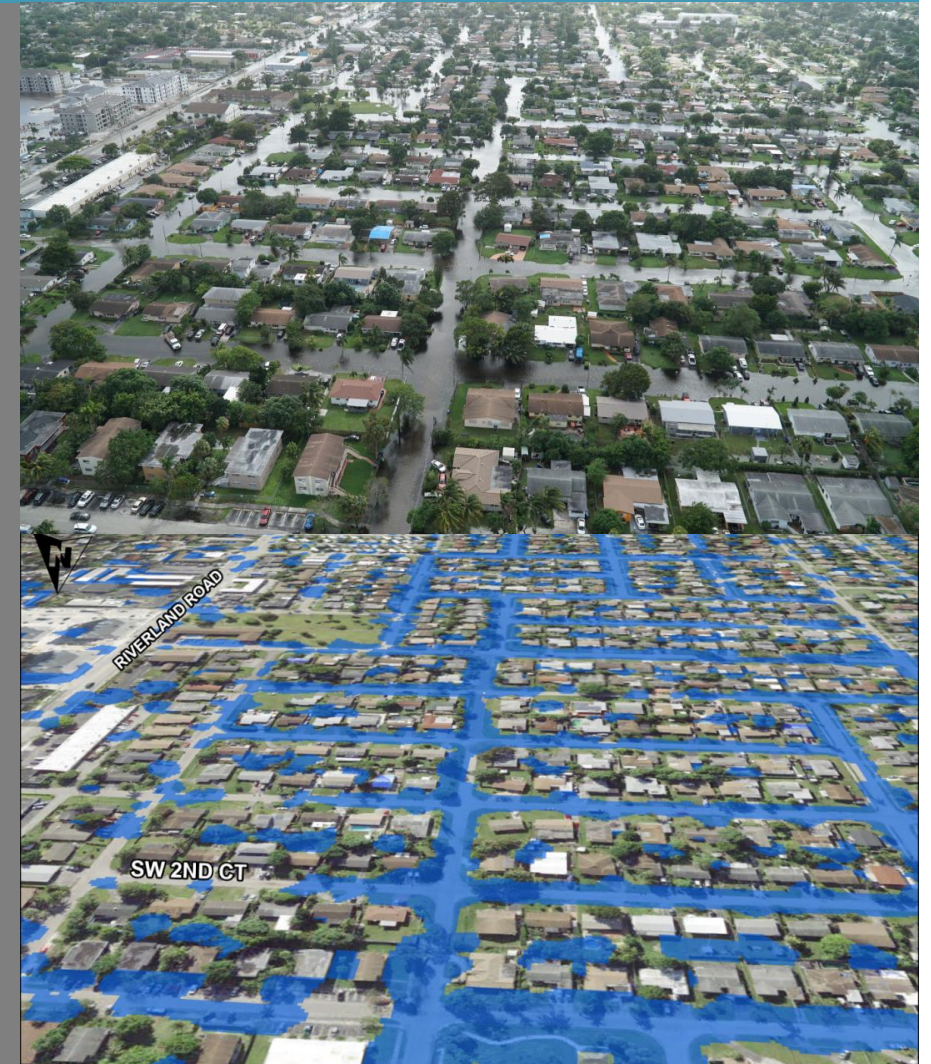


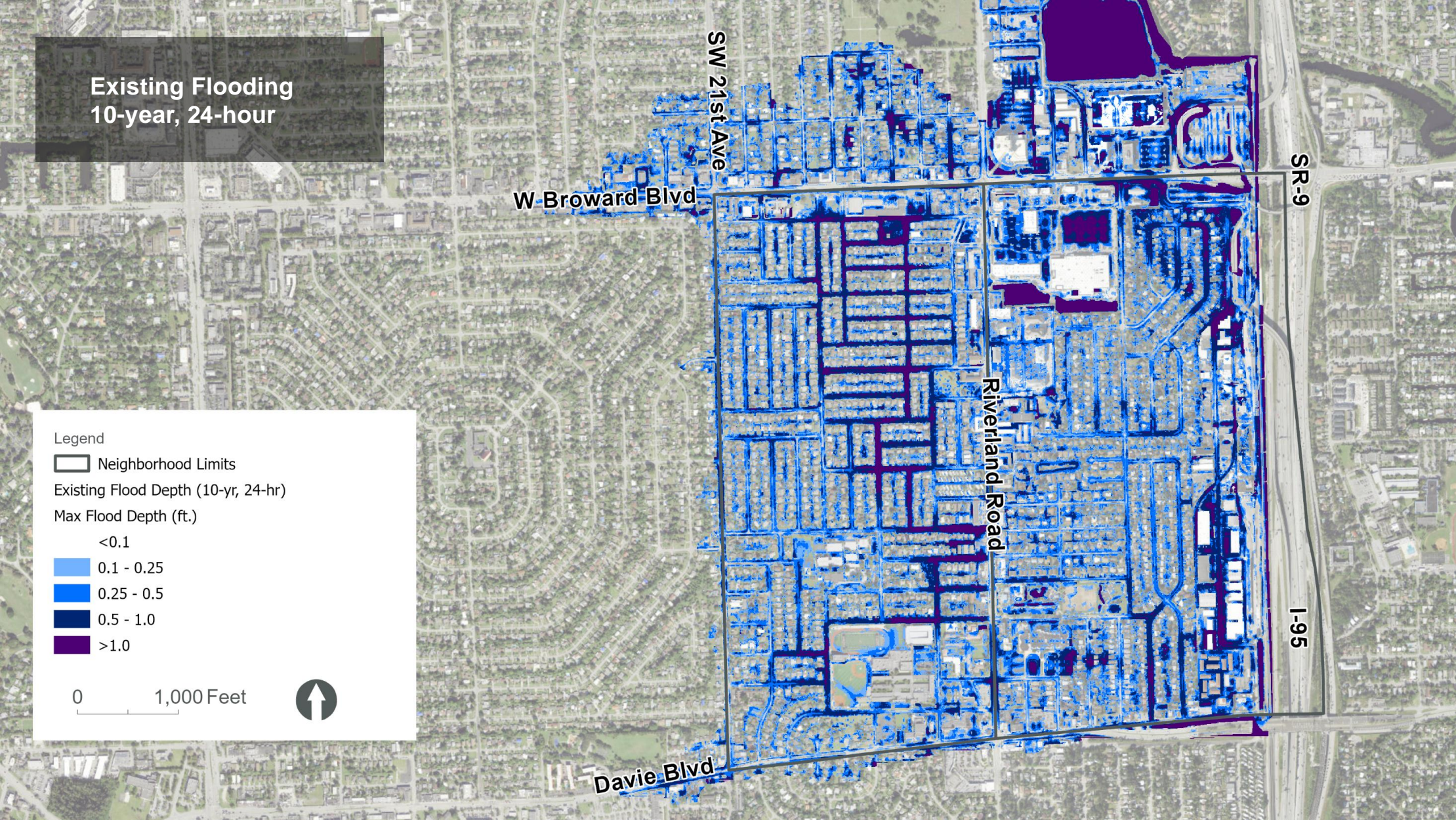
Proposed Improvements



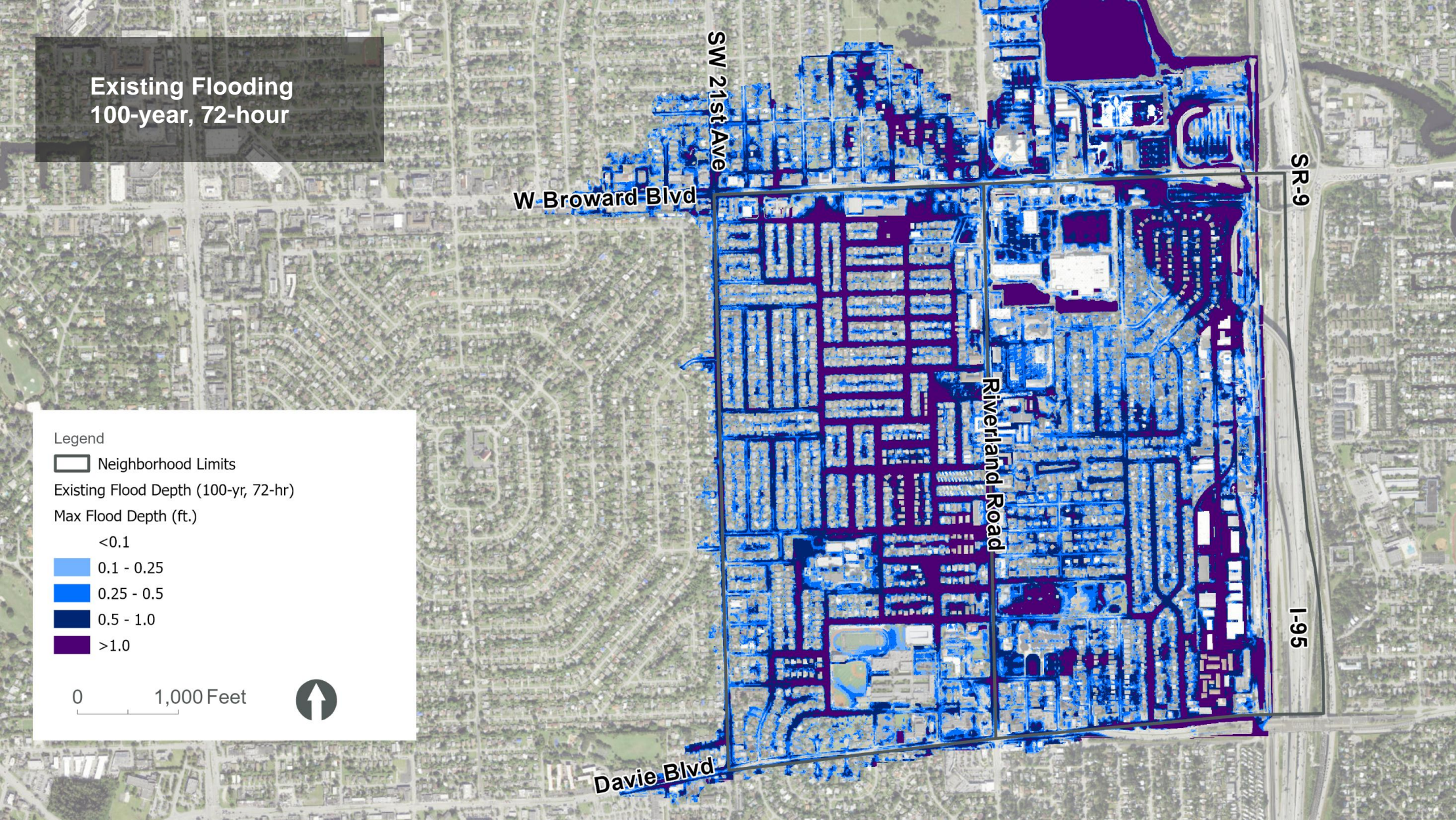
Final Design is Underway

- Additional data collection
 - Survey (mobile LiDAR)
 - Subsurface investigation
- Permit application submittals
- Refined stormwater model
- Public meetings
- Easement acquisition
- Construction documents









Flood Reduction 100-year, 72-hour


Legend

 Neighborhood Limits

Flood Depth Reduction (100-yr, 72-hr)

Change in Flood Depth (ft.)

 Significantly Less Flooded (> 0.5-ft)

 Less Flooded (0.499-ft to 0.05-ft)

0 1,000 Feet



SW 21st Ave

W Broward Blvd

SR-9

Riverland Road

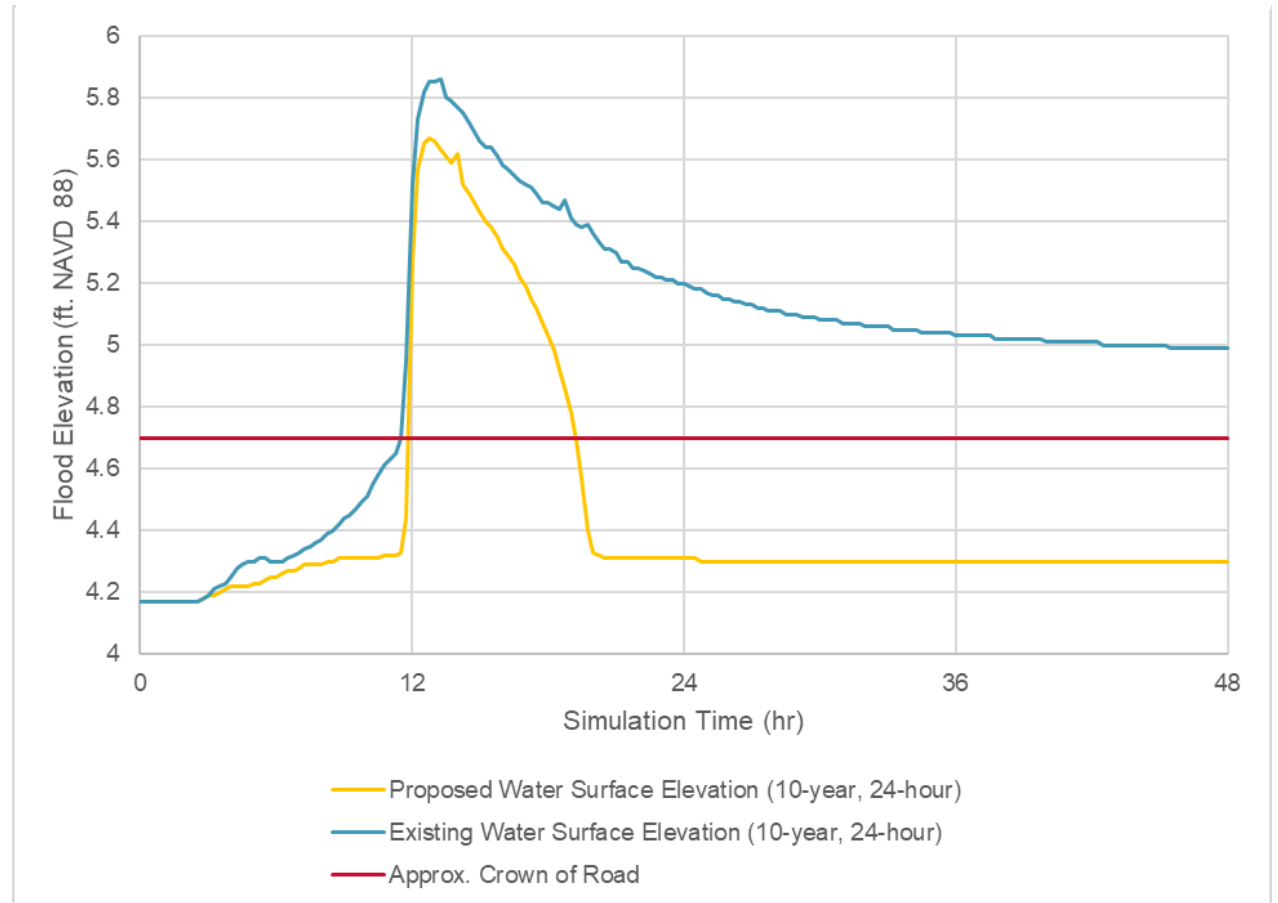
I-95

Davie Blvd

Improvement in Flood Duration

- Existing condition retains floodwaters on streets for long period of time (days)
 - Recovery via infiltration and evapotranspiration only
- Proposed improvements show significant reduction in flood duration (<8 hours of flood duration)
 - Recovery via two stormwater pump stations with a combined discharge limits of ~76 cfs into North Fork of the New River

Intersection of SW 9th Street and SW 28th Avenue



Estimated Timeline

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



Questions?



CITY OF
FORT LAUDERDALE

**For more information on this project please
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