



Commissioners Steven Glassman and Ben Sorensen

100 North Andrews Avenue
Fort Lauderdale, FL 33301
954-828-5004

Las Olas Mobility Working Group – Meeting #10

Commissioner Steven Glassman, District 2

Commissioner Ben Sorensen, District 4

City Hall

100 North Andrews Avenue

8st Floor Conference Room

Thursday, November 18, 2019

2:30 PM - 4:00 PM

AGENDA

1. Roundtable Introductions
2. Presentation: Nancy Gassman – Seawalls
3. Meeting #11: Thursday, January 23, 2019
4. Adjourn

Mission Statement:

Connecting residents, businesses and visitors of Fort Lauderdale through the enhancement of this iconic boulevard representing our history and future.

Project Website:

<http://www.fortlauderdale.gov/lasolasproject>

Two or more City Commissioners and / or Advisory Board members may be present at this meeting.

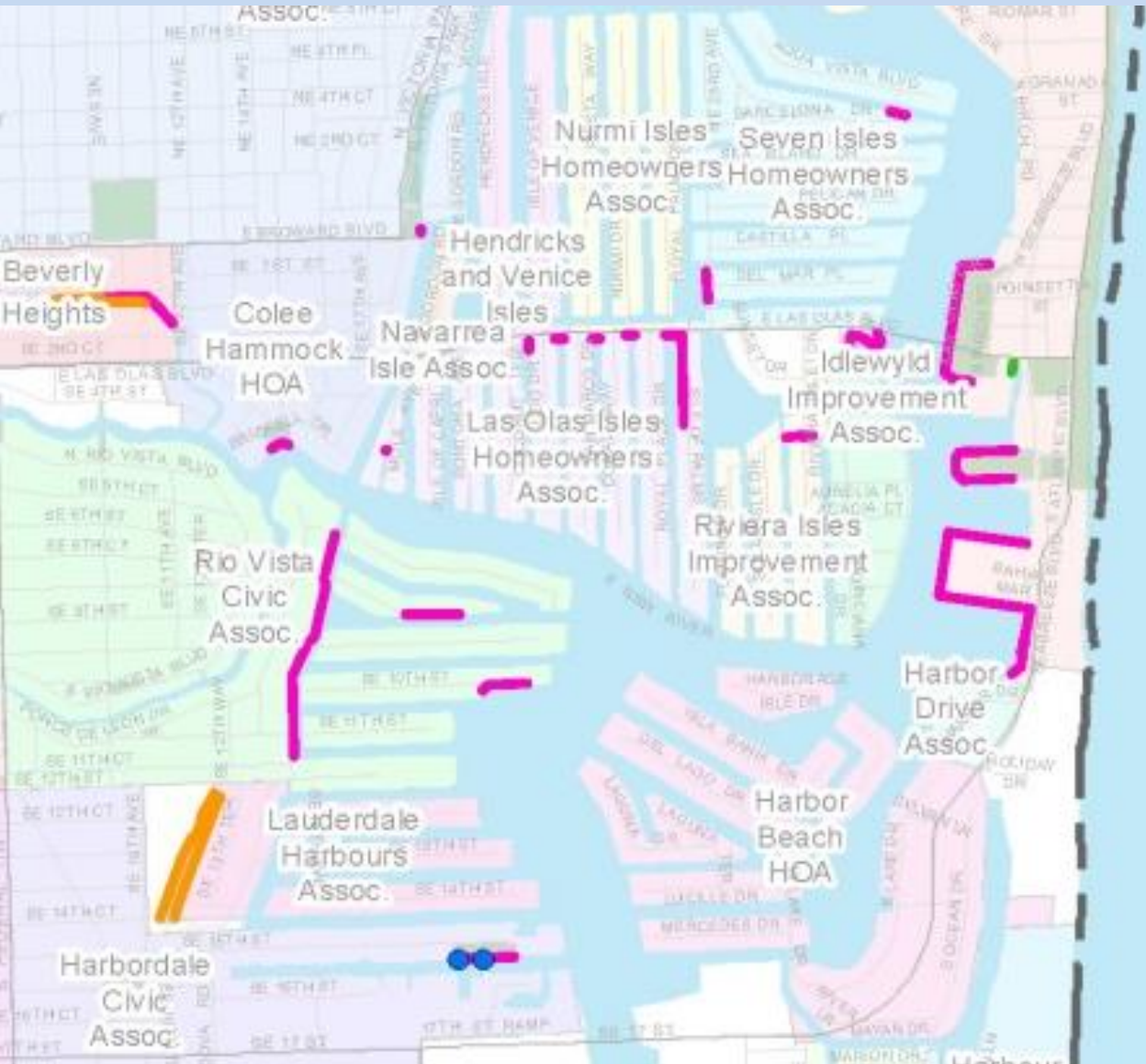
Las Olas and Seawalls



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PUBLIC WORKS DEPARTMENT

City Owned Seawalls



LEGEND

- City Owned Seawall
- CRA Owned Seawall
- City Shoreline
- Boat Ramp





Implementation of the Seawall Ordinance

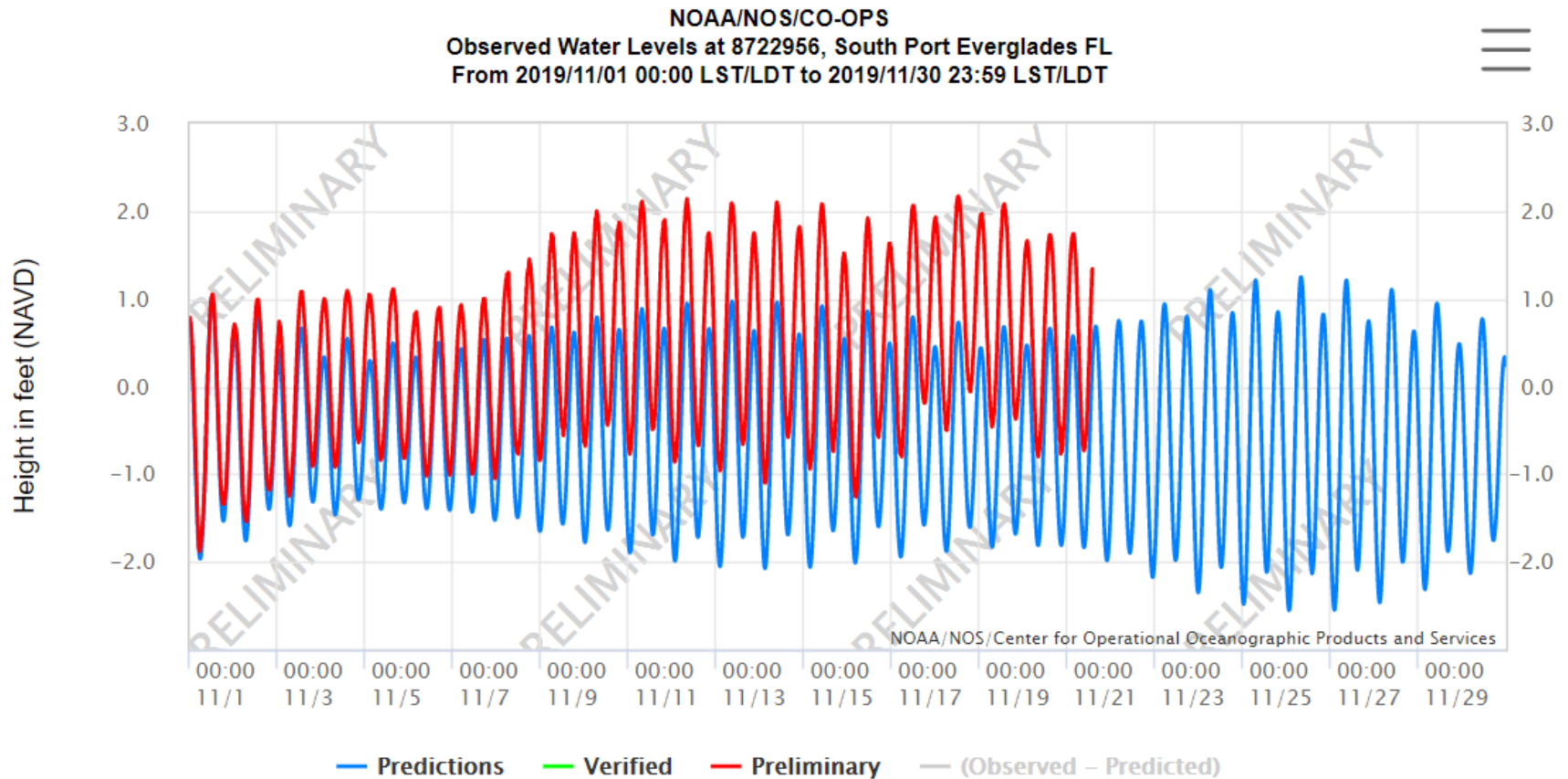
1) Observation

- Disrepair*
- Allowing tidal flows to leave the property*

2) Verification

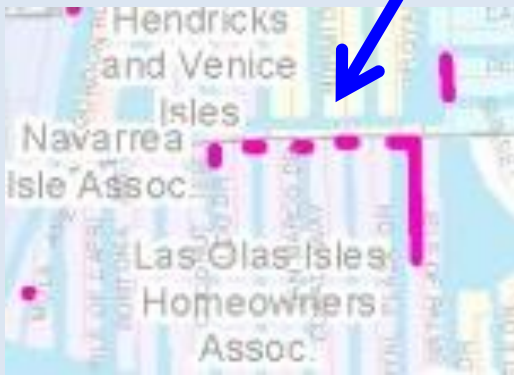
3) Inspection Report citing the violation

Tidal Elevations in November 2019

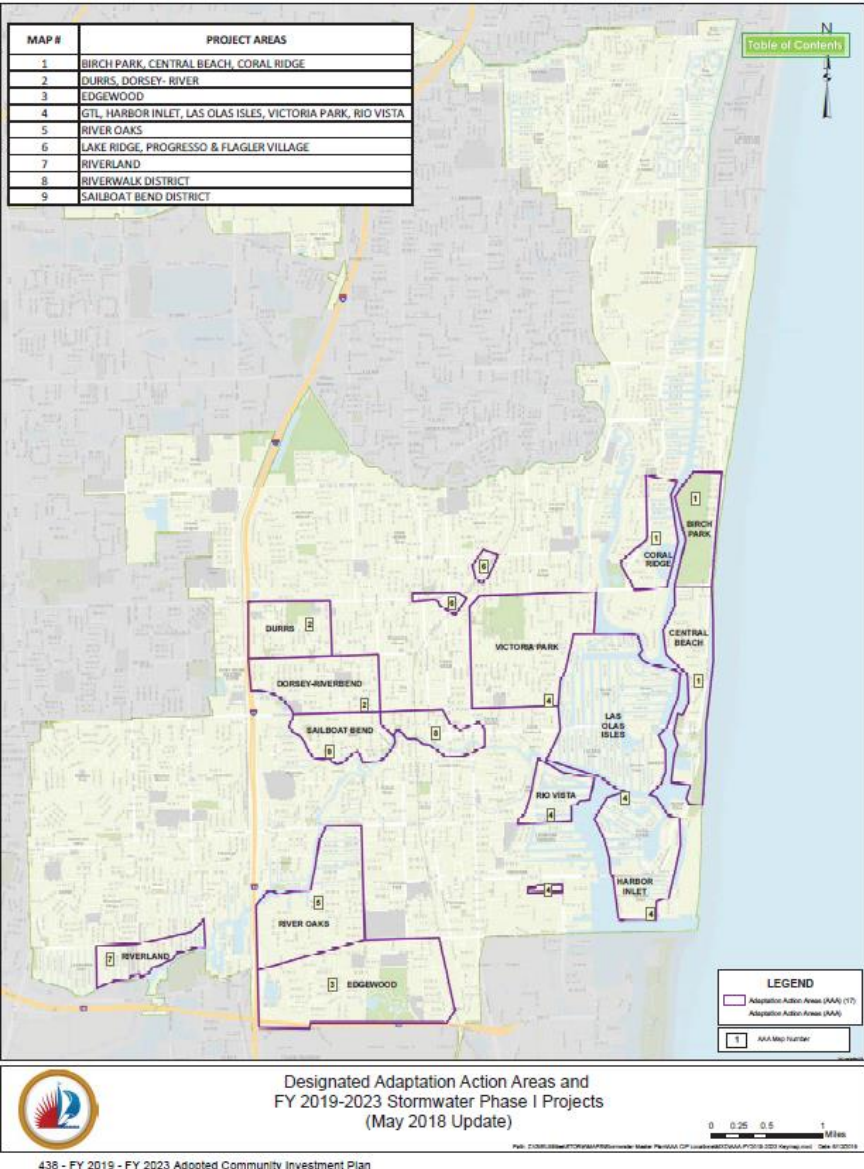


Improvements Since 2015

Las Olas Blvd

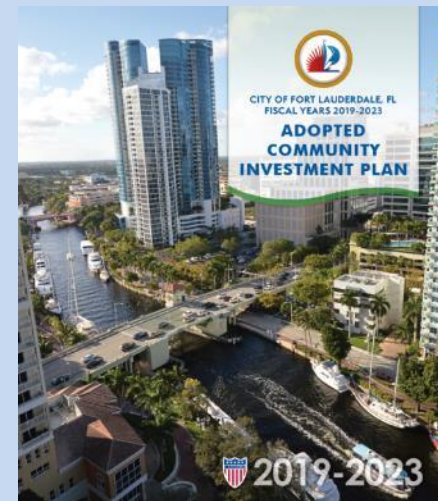


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Designated Adaptation Action Areas FY2019-2023

- Authorized in State Statute
- Policies in City Comp Plan

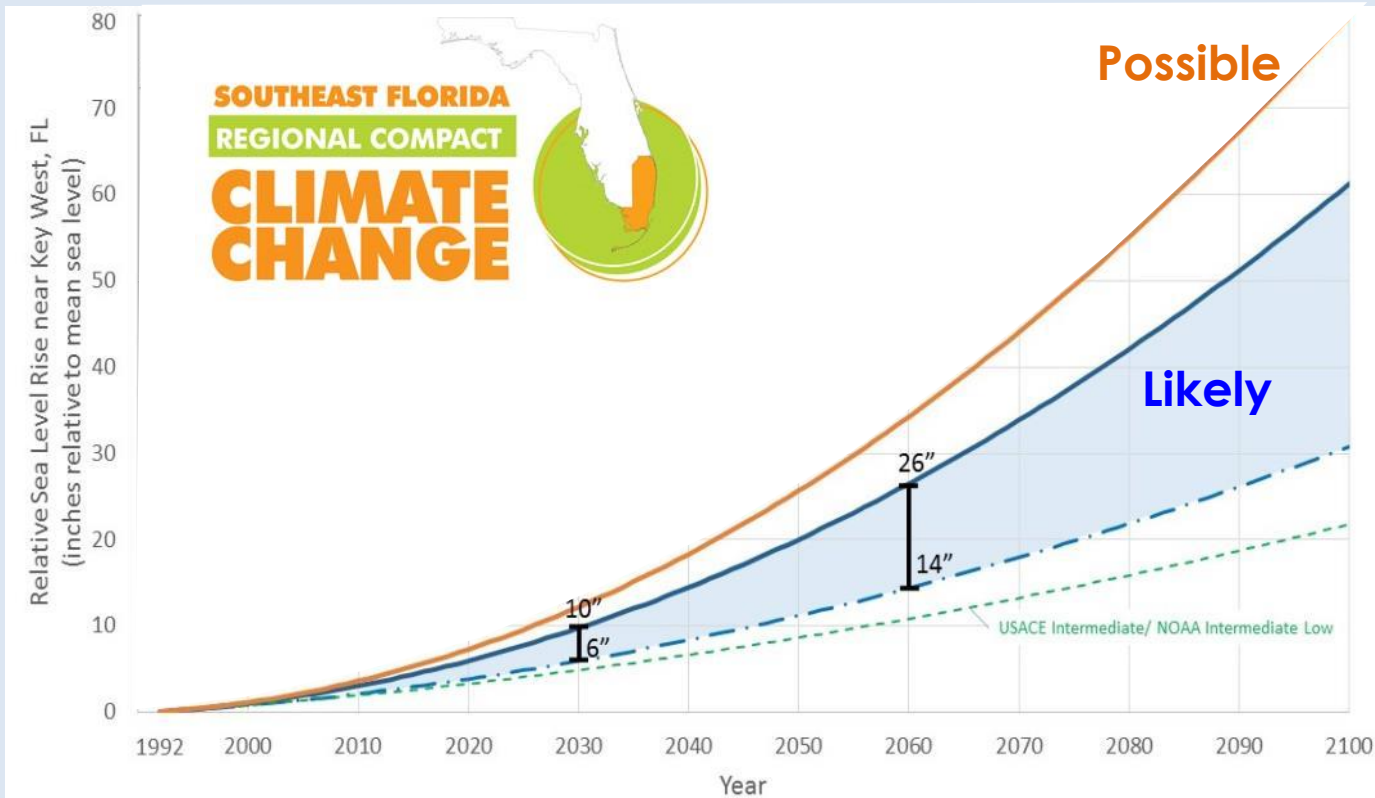


- **17 Adaptation Action Areas** meeting
- **42 Capital Projects** listed for **funding**
- **14 projects** completed since FY2016



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2015 Unified Sea Level Rise (SLR) Projection for SE FL



- 3" SLR since 1992
- 2030: 6-10" SLR
- 2060: 14-26"
- Orange line for long term projects with low risk tolerance (2060: 34")



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Seawall Improvements in Southeast Isles

Table 8-1: Summary of Seawalls to be Improved

City-Owned Seawalls	Seawall Description
Seawall 9	Victoria Park Rd at East of Broward Blvd.
Seawall 10	Seven Isles Dr at Del Mar Pl.
Seawall 11	301 Lido Dr.
Seawall 12	E. Las Olas Blvd. East of Lido Dr..
Seawall 13	E. Las Olas Blvd East of Marco Dr.
Seawall 14	E. Las Olas Blvd. East Coral Way
Seawall 15	Isles of Palm Dr.
Seawall 17	Solar Plaza Dr.
Seawall 18	Merle Fogg Park
Seawall 29	Cordova Rd.
Seawall 30	SE 10th ST
Seawall 32	Mola Avenue
Seawall 34	Barcelona DR.
Seawall 35	SE 8th St.

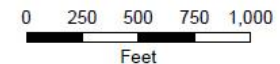


Stormwater Master Plan Improvements in Southeast Isles



- Existing Storm Sewer
- Proposed Storm Sewer
- Existing Outfall
- Proposed Pump Station
- Existing Flow Direction
- Proposed Flow Direction

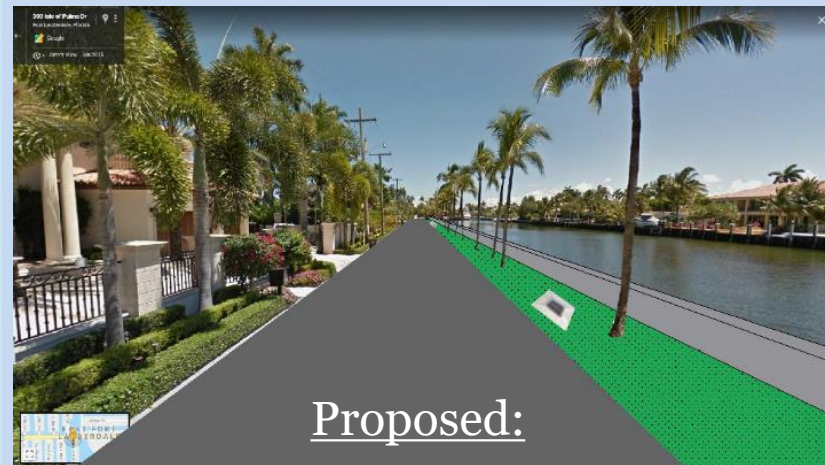
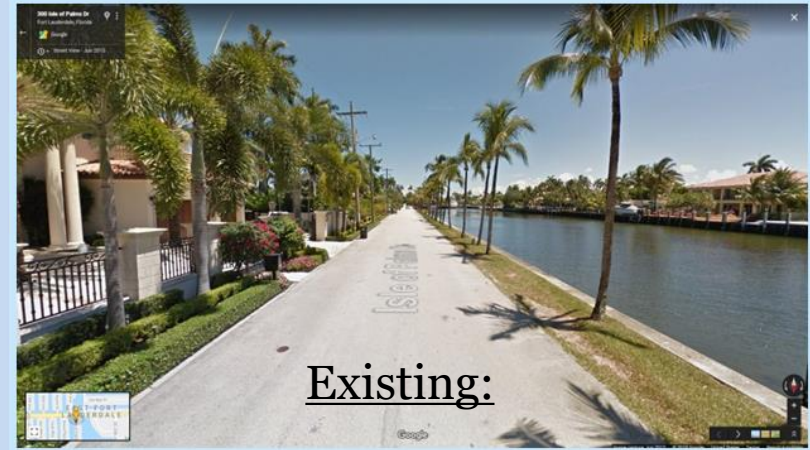
- Sub-Basin Boundary Current Phase (Pump Station Drainage Basins Only)
- Southeast Isles Neighborhood Boundary



Note: Sub-basin boundaries for future (phased) system extension not shown.

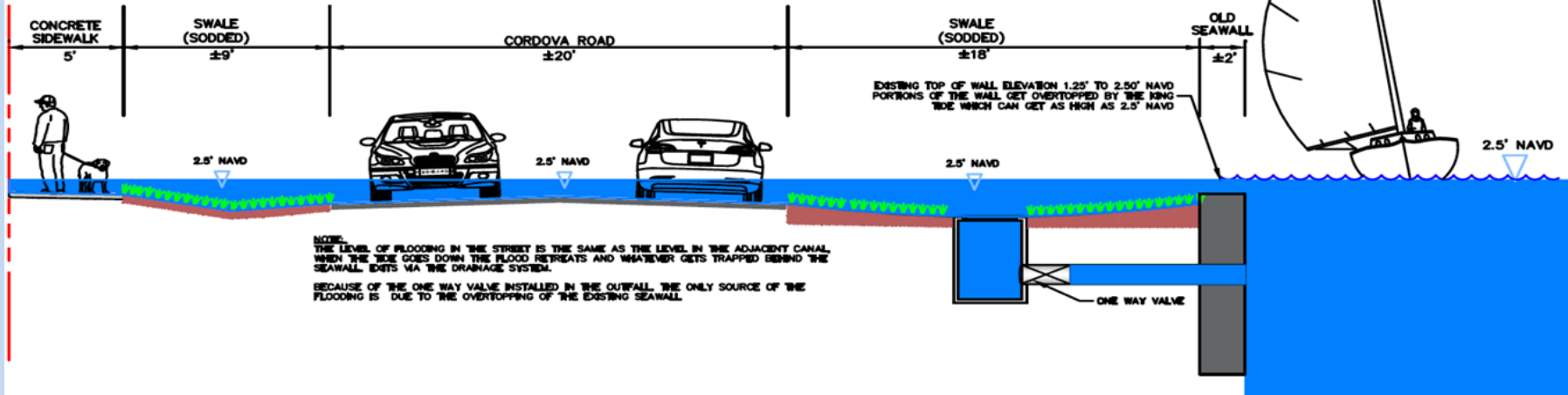
Isle of Palm Seawall

- 900 feet of Public seawall
- 3.5 feet change in elevation (5 ft NAVD)
- Sheet pile construction
- \$1.9 M for seawall, drainage improvements, landscaping and repaving the road

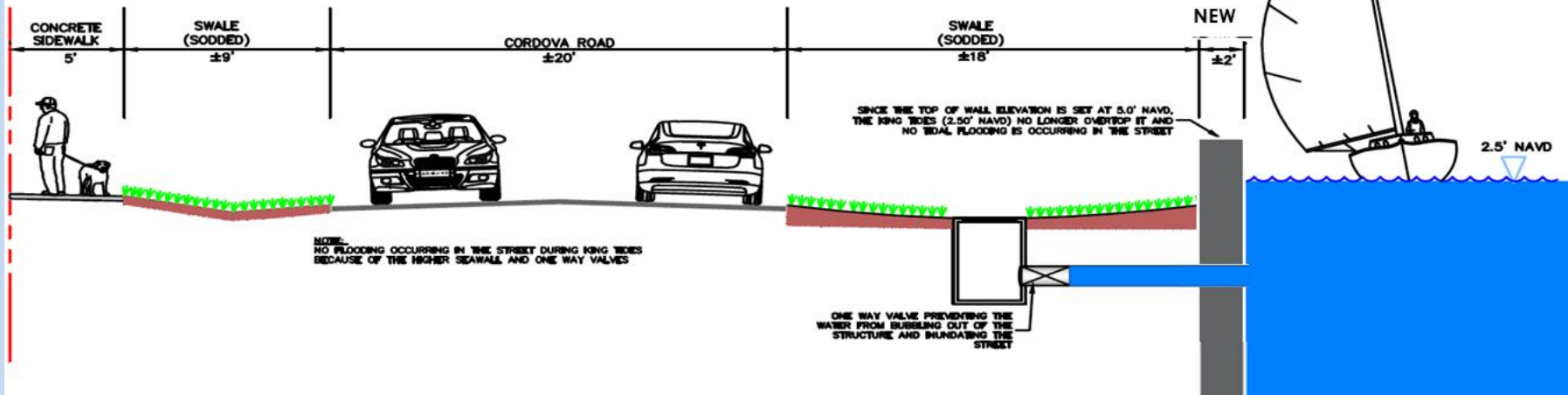


City Seawall Elevation

EXISTING SEAWALL: KING TIDES-NO RAINFALL



PROPOSED SEAWALL: KING TIDES-NO RAINFALL



Seawall Ordinance

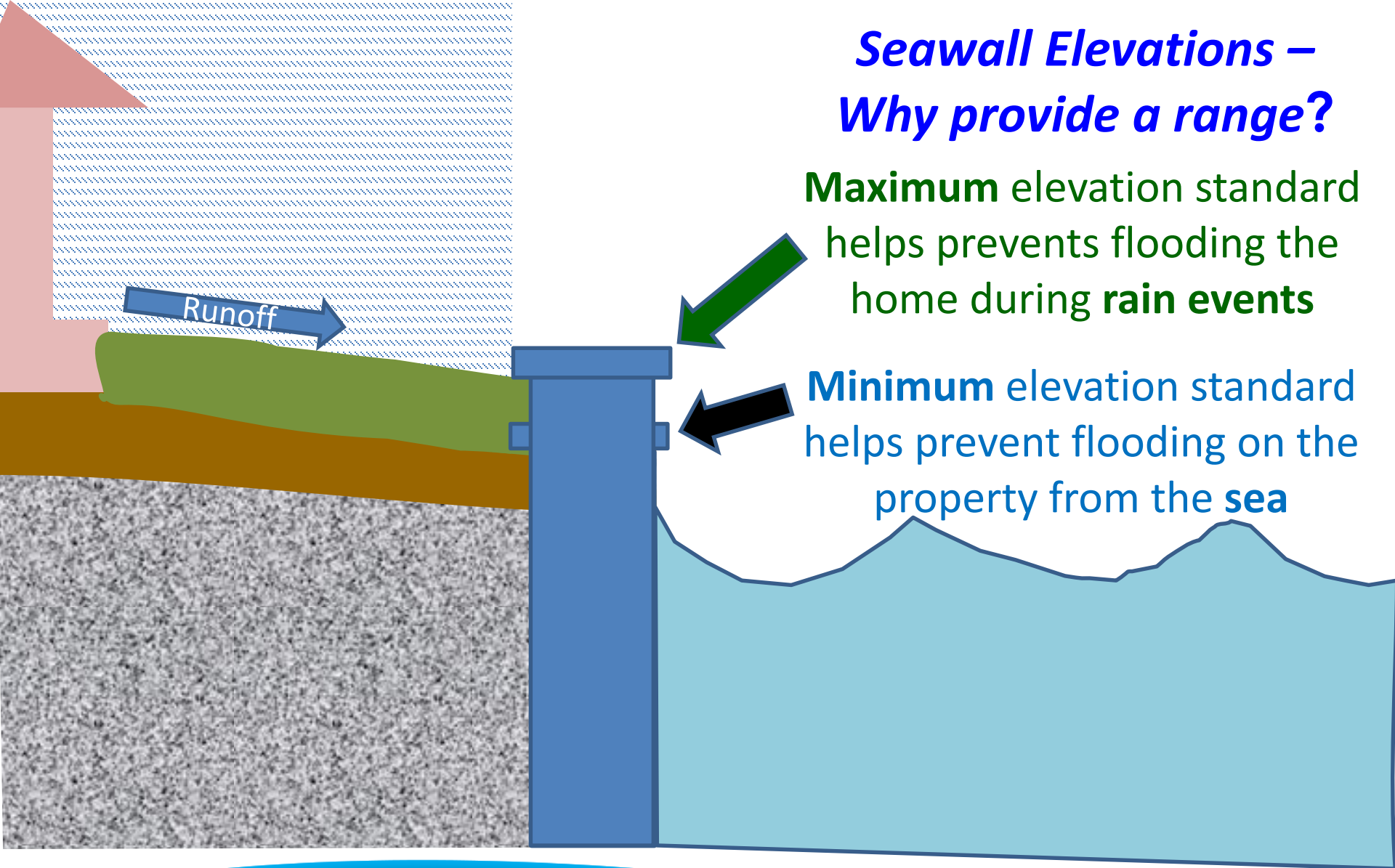
- Adds **definitions for seawall, rip rap** and for North American Vertical Datum (NAVD88);
- Sets a **minimum seawall elevation** at **3.9 feet** NAVD88;
- Recommends **design of seawall for future height adjustment** up to 5.0 feet NAVD88;
- Sets an allowable **maximum height** of the seawall based on a property's base flood elevation;
- Requires seawall reconstruction to the minimum elevation if the **substantial repair threshold** is triggered;
- **Requires maintaining seawalls in good repair** and sets a timeline of 365 days for completion of repairs if cited;
- **Requires owners to prevent tidal waters entering their property from impacting others** and sets a timeline of 365 days for remedy if cited;
- Allows **fixed docks to extend 10 inches** above the adjacent seawall; and
- Addresses **floating docks**.



Seawall Elevations – Why provide a range?

Maximum elevation standard helps prevent flooding the home during **rain events**

Minimum elevation standard helps prevent flooding on the property from the **sea**



Key Modifications:

- Clarifies the maximum allowable height of a seawall and dock;
- Replaces the term adjacent with **attached** to describe the context between a seawall and dock;
- Better defines the term “**substantial repair**”; and
- Notes that the **seawall ordinance takes precedence** over a related section in the ULDR code on vertical differentials of walls between properties.

Adopted December 2016



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