

A vibrant photograph of a Miami Beach scene. In the foreground, a modern sculpture with thick, stacked, black and white cylindrical rings stands prominently. Behind it, a tall, white, curved skyscraper with many windows rises into a bright blue sky with scattered white clouds. Palm trees are scattered throughout the scene, some in the foreground and others behind the buildings. In the bottom left, a body of water with a pier and boats is visible. The overall atmosphere is sunny and urban.

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ABOVE

July 7, 2020

Road Raising & South Pointe Neighborhood Drainage Improvements

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OUTLINE

- 1 Background
- 2 Proposed Work
- 3 Benefits
- 4 Questions/Comments



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Background



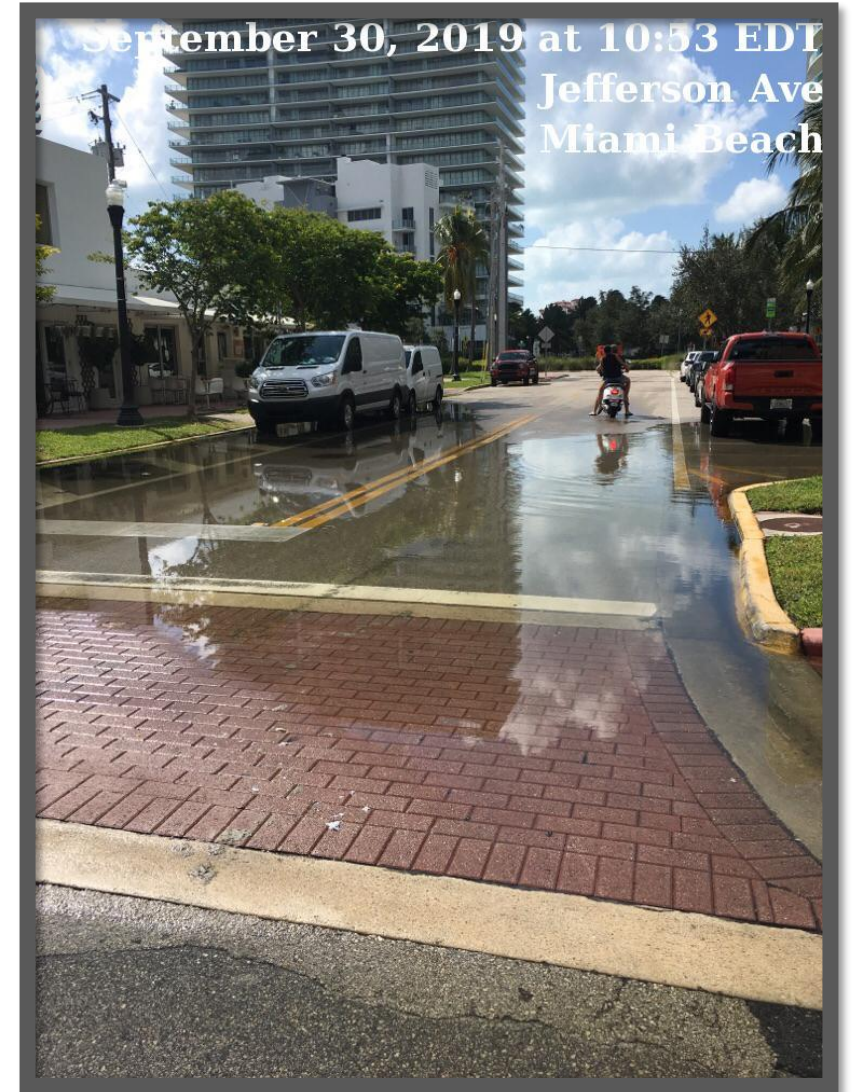
Rain Flooding



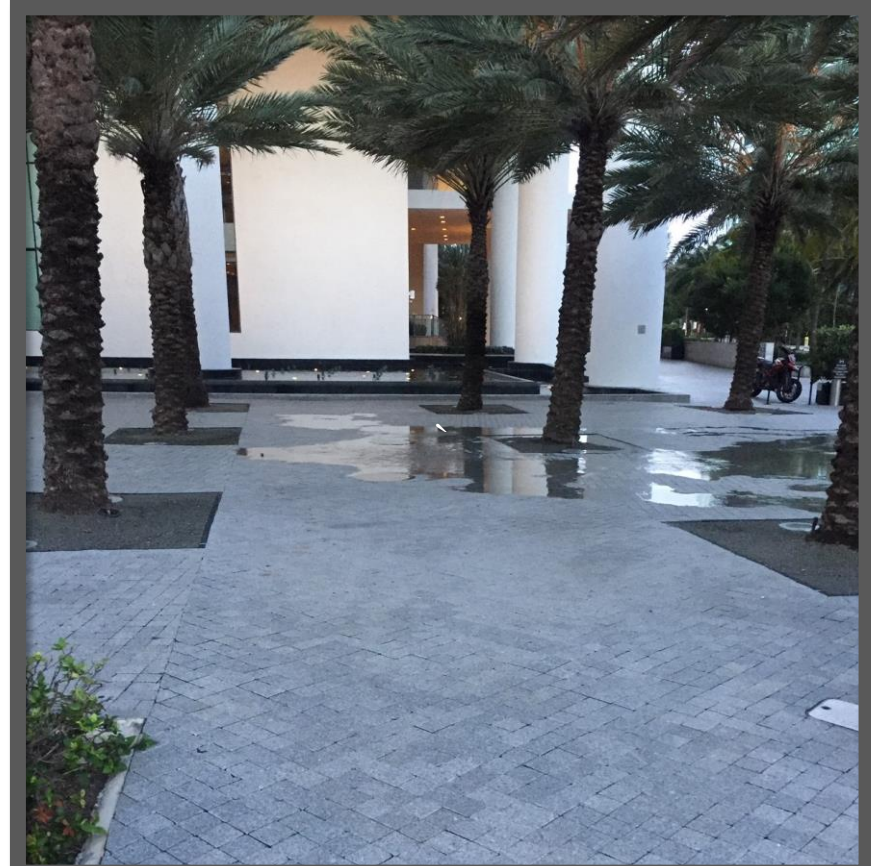
Rain Flooding



King Tide Flooding – 09/30/2019



Artesian Wells



Background

- [October 2016](#) – City Commission approves the procurement of engineering services for the 1st Street Project as part of the 2011 Stormwater Master Plan.
- [June 2017](#) – City enters agreement with Wade Trim for project design:
 - Stormwater pipes replacement.
 - Road elevation and streetscape for 1st Street.
 - Construction of pump station and outfall.
- [2018](#) – the City held multiple meetings with the neighborhood residents to present streetscape design options for 1st Street and select a typical section.
- [2019](#) – Request to evaluate alternative site locations for the proposed pump station and outfall.
- [January 2020](#) – Request to reconsider different options for 1st Street Typical Section and South Pointe Park as an alternative location for the Pump Station and outfall.

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Proposed Work



1st Street Typical Section- Option 1

Pros

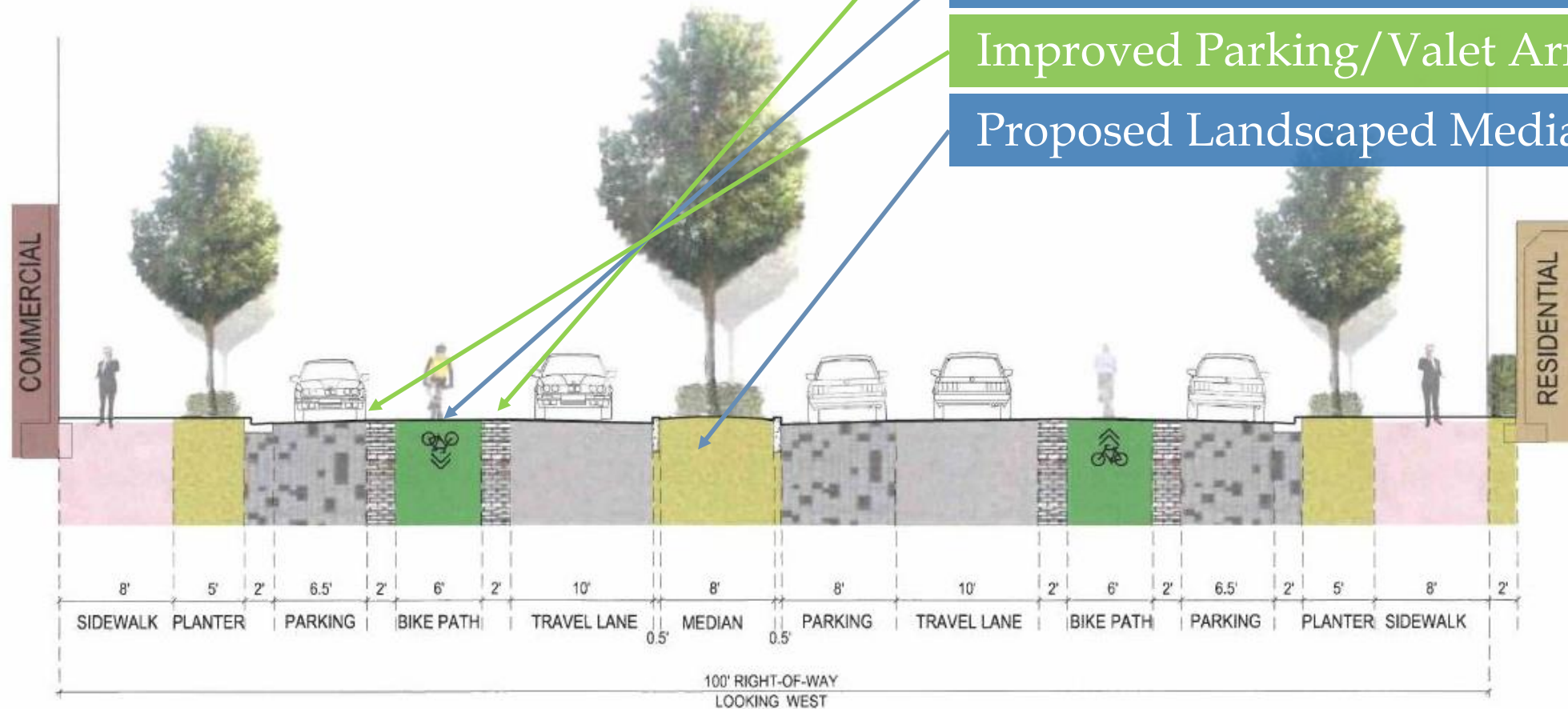
- Least impact to parking

Cons: Road elevation raised to 3.7' NAVD

- Less greenspace/sidewalk area

Improved Parking/Valet Arrangement

Proposed Landscaped Median



1st Street Typical Section- Option 2

Pros

- Ample greenspace and sidewalk

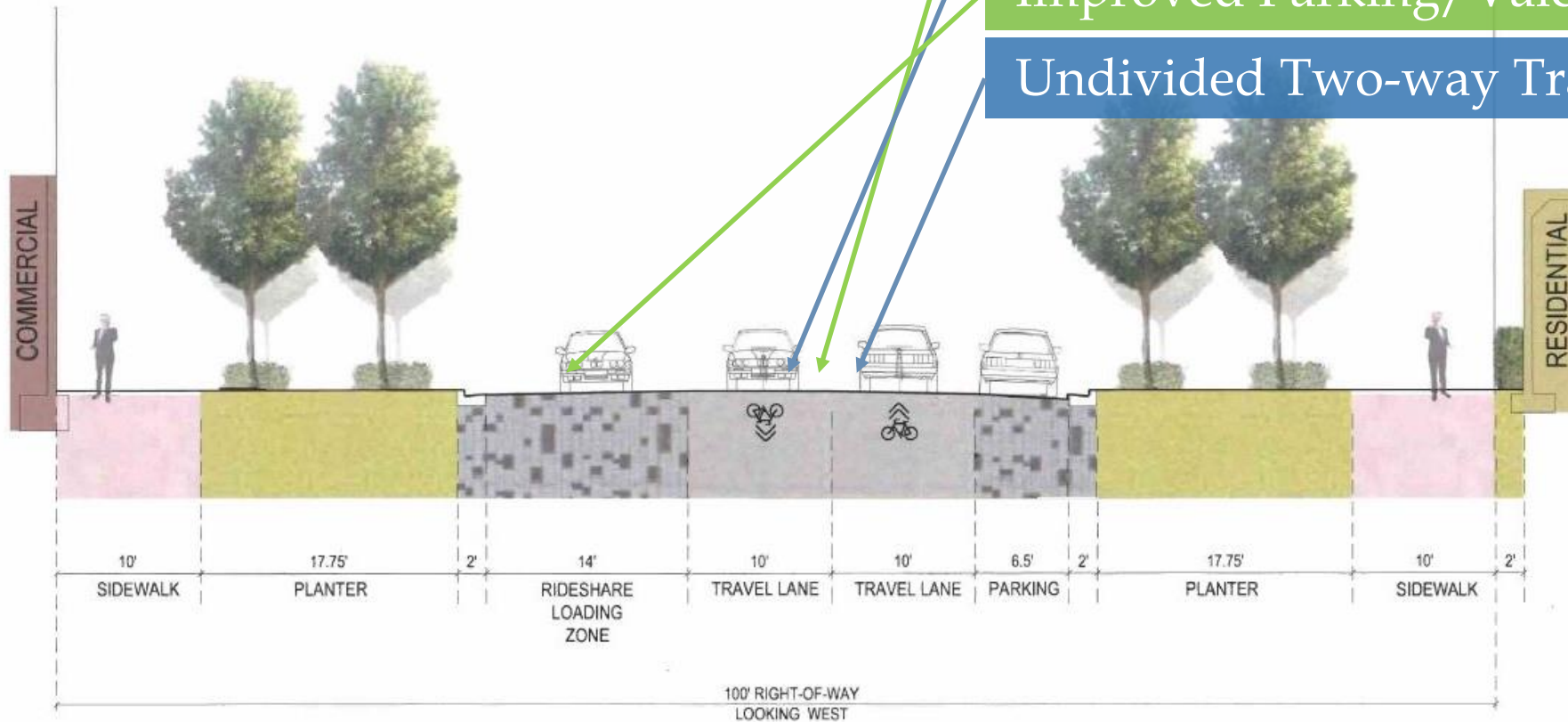
Cons: Road elevation raised to 3.7' NAVD

- Loss of parking

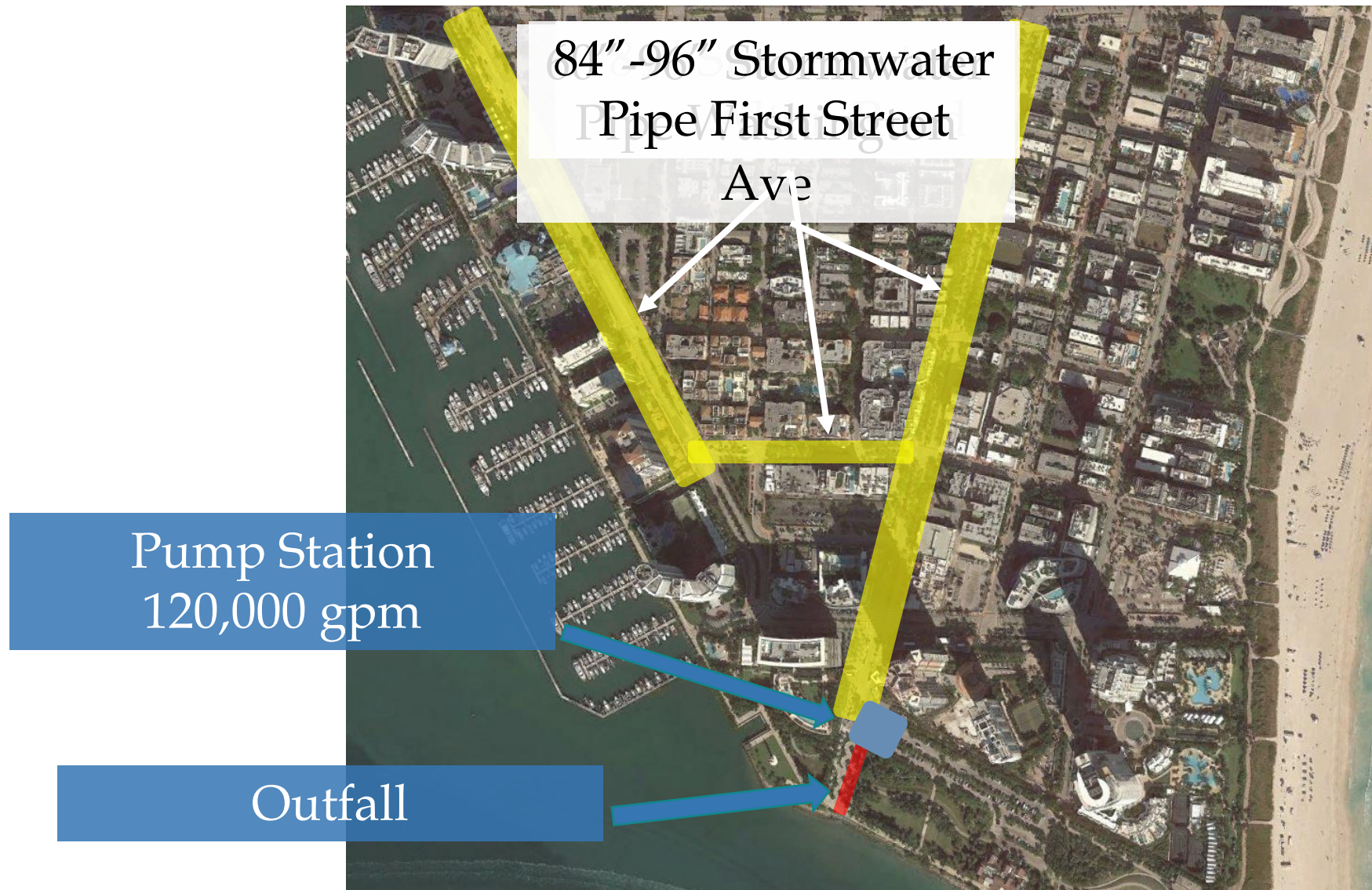
Shared Bicycle Lanes

Improved Parking/Valet Arrangement

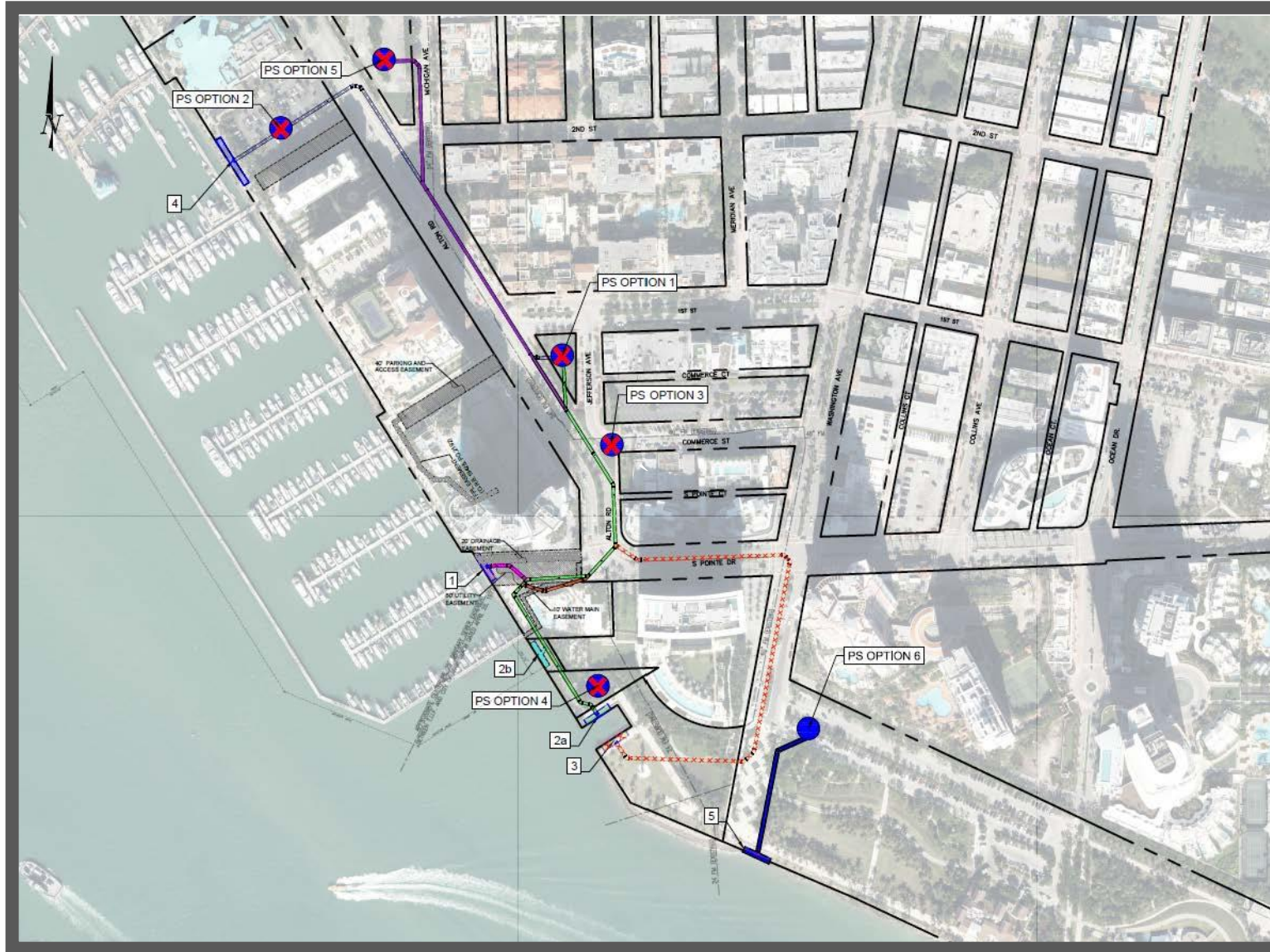
Undivided Two-way Traffic



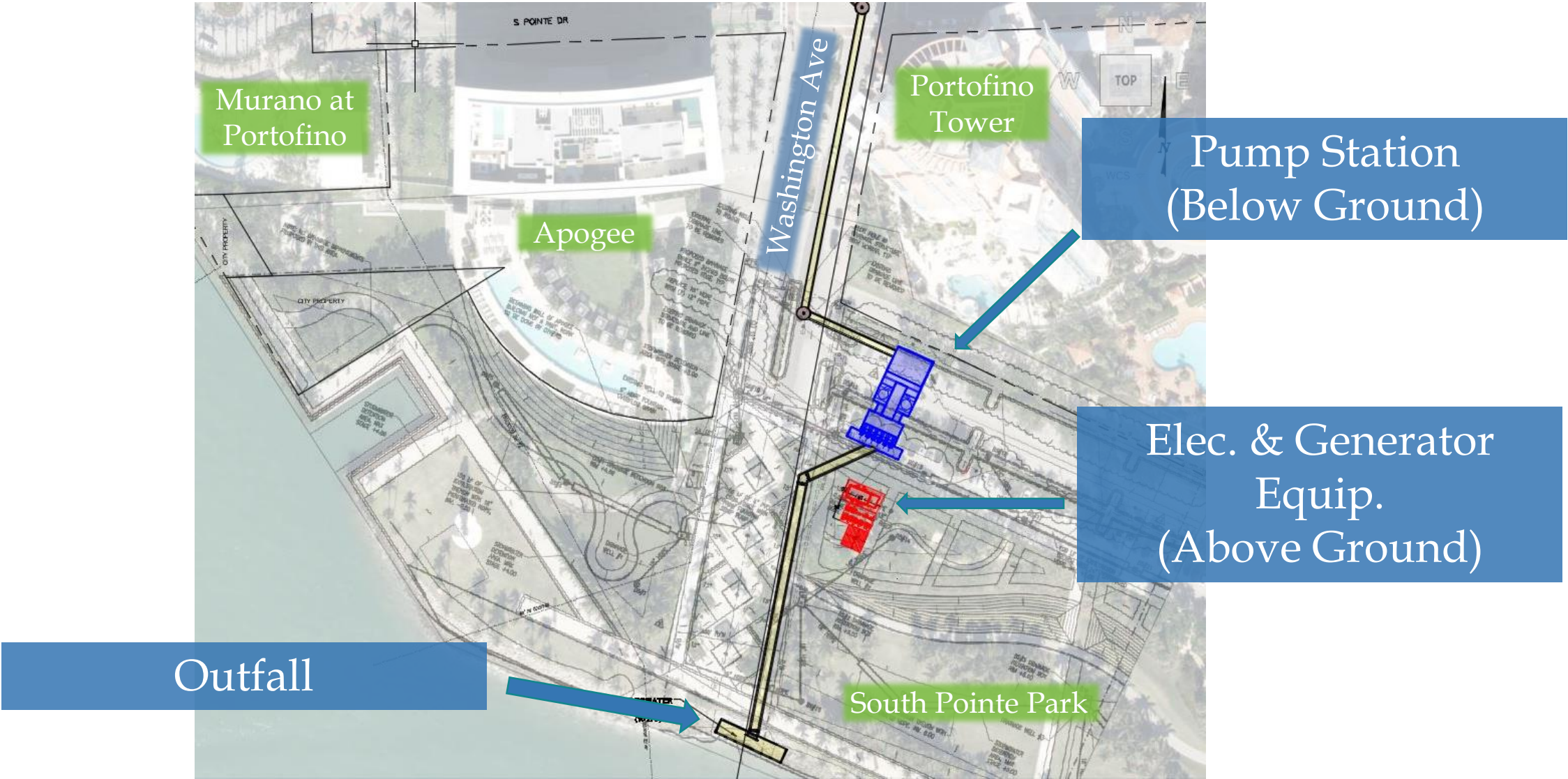
Proposed Stormwater System



PS Alternative Locations Considered



Pump Station Layout



Pump Station Above Ground Components



View from Proposed Above Ground Equipment

Outfall:



The Portofino:



The Continuum:



The Apogee:



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Benefits



Benefits

General Benefits:

- Prevent current street flooding during high tides and sea level rise protection.
- Improve city's stormwater management system for South Pointe Neighborhood.
- Improved parking/valet arrangement in the commercial side.
- Landscape improvements and stormwater treatment through green infrastructures.

Pump station at South Pointe Park Benefits:

- No easements are required.
- No construction in private property required.
- There is ample space to install a pump station that can service the entirety of the South Pointe Neighborhood instead of two as proposed by AECOM'S stormwater report.
- Extensive screening options for pump station's above ground components with park's landscaping.
- Outfall does not impact marina's operations.

Common Topics

Sight

- Will this project impact the view from balconies?
- Will the top of the project be covered so those in higher balconies don't have that as a view?

Smell

- Will there be a smell caused by the pump station?

Sound

- Will the sounds from the pump station be disruptive?
- How high will you hear the noise?
- How often will you hear the sounds?

Transportation Safety

- Is the new street design a safe traffic flow for pedestrian safety?

Location

- Why South Pointe Park and not landscaped triangle location?
- Can it be moved to 300 Alton Rd. project?

Parking

- Has there been a daytime analysis?
- Can we keep the 24 spaces being removed?
- Will the SPP Parking lot eliminate more spots?

Process

- How long will construction take?
- Can the construction be coordinated with 300 Alton Rd. to minimize impacts?
- Will it affect properties?

Will investments to reduce flood risk hurt my property values?

- No, rather studies have forecasted the negative impact sea level rise will have on the value of coastal properties.
- If the City does not invest in the stormwater program, the damages associated with sea level rise are significant. Rising sea levels increase risk from hurricane-related storm surge by \$36.4 million on average per year (a near-doubling)
- Investments of at least \$1 billion over the next 30 years would be cost-beneficial to prevent surge-related flood damages.
- In addition, raising roads to 3.7' NAVD across the city could conservatively increase property values citywide by over \$1 billion in assessed value.

Miami Beach worked with a team of experts led by the national climate adaptation planning consultant, ICF, to gather data, create models, and combine information to understand the economic impact of reducing flood risk.

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Questions

