

# SEAPORT

## Coastal Resilience

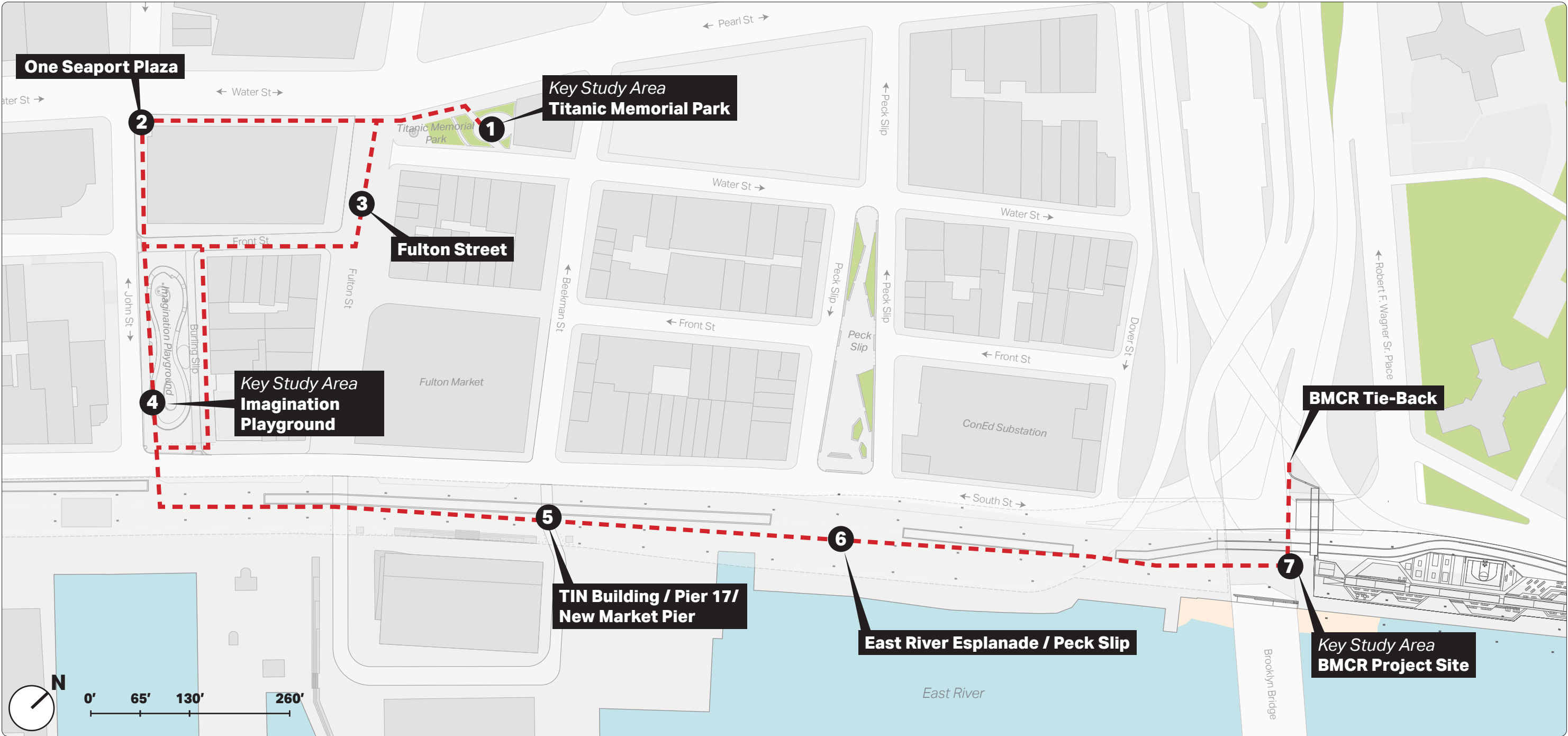


### STAKEHOLDER WALKSHOP

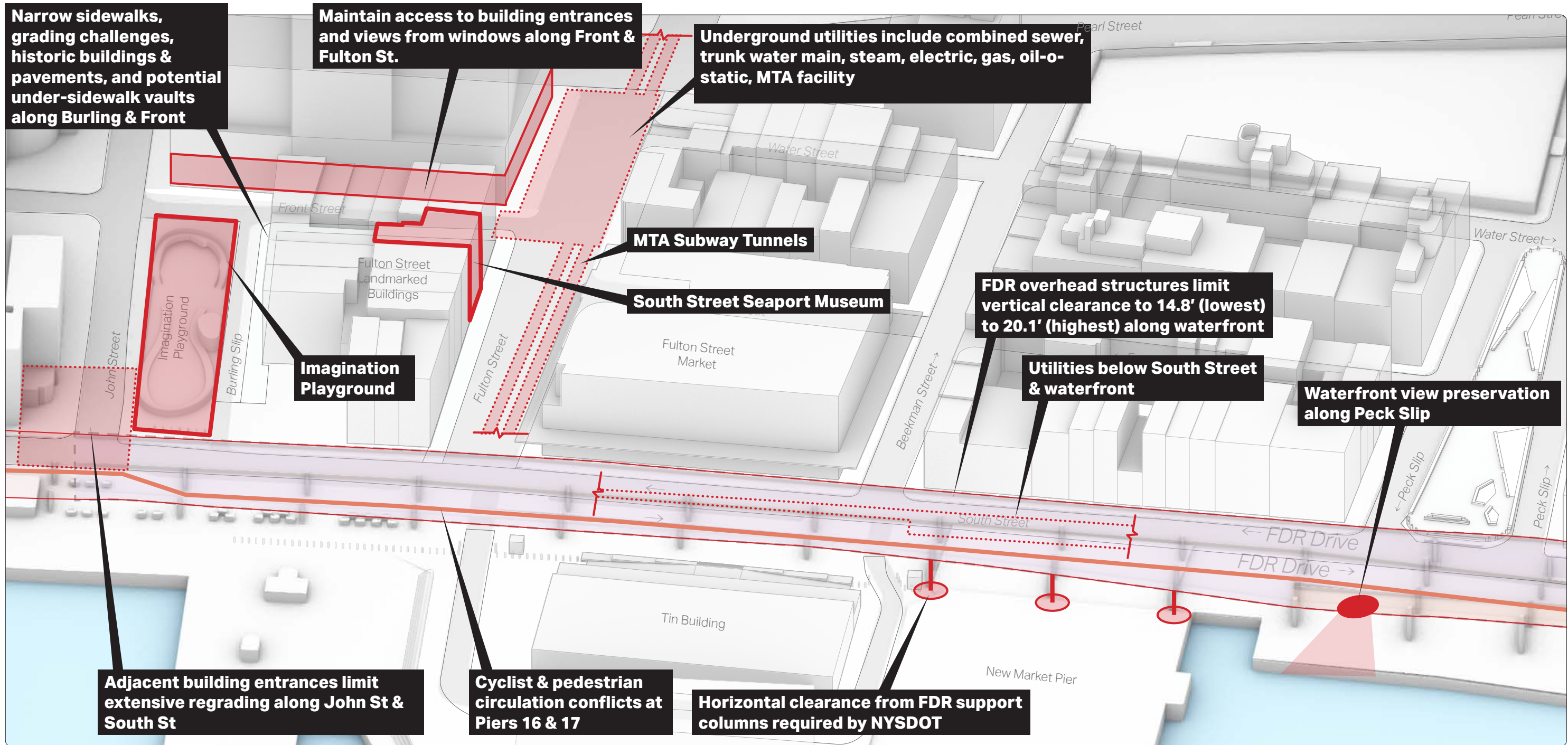
August 13<sup>th</sup>, 2024

- 01 Walking Route
- 02 Challenges & Opportunities
- 03 Key Study Areas
- 04 Flood Response Measures
- 05 Appendix: Seaport Flood Resilience Reference

# Walking Route

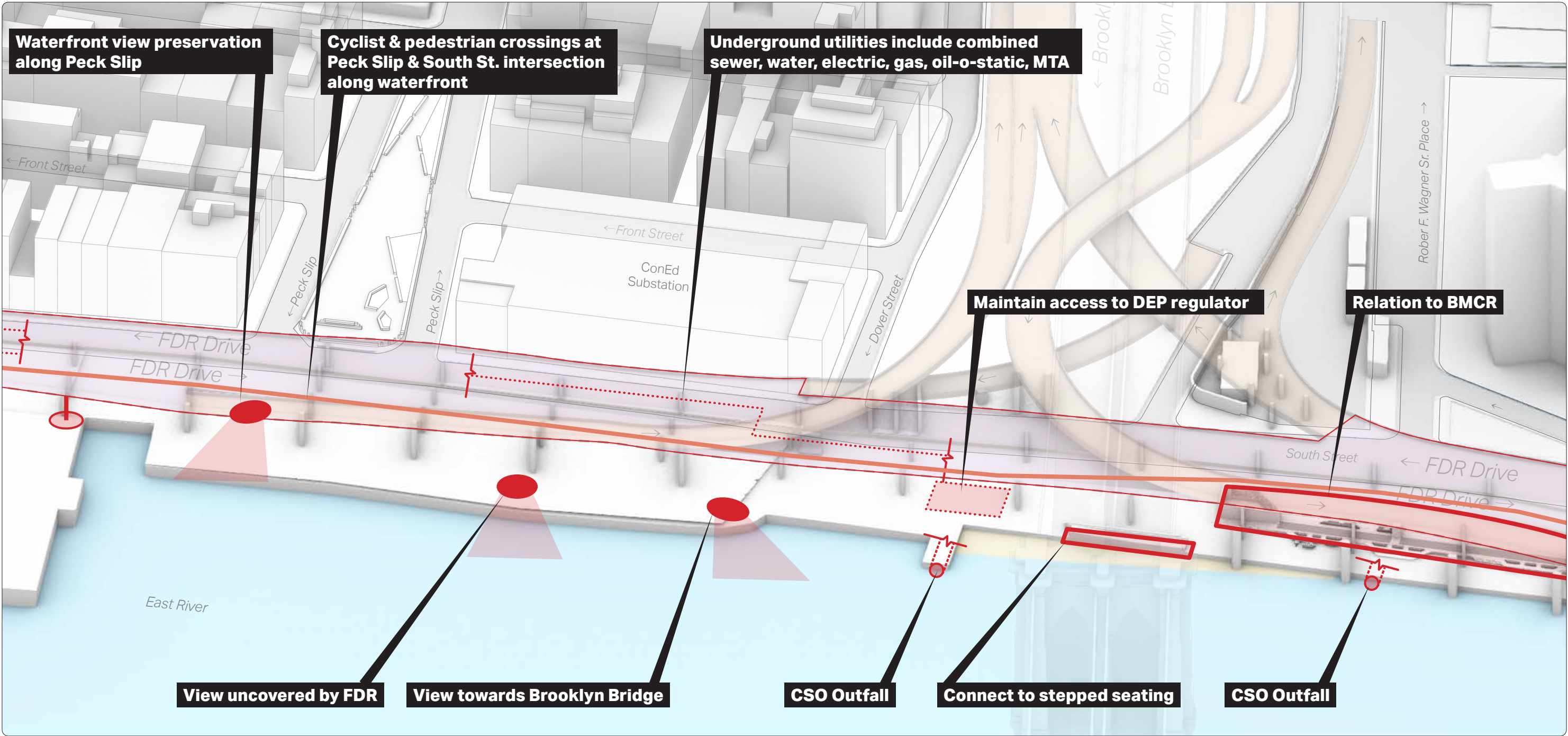


# Plan Overview | Challenges & Opportunities



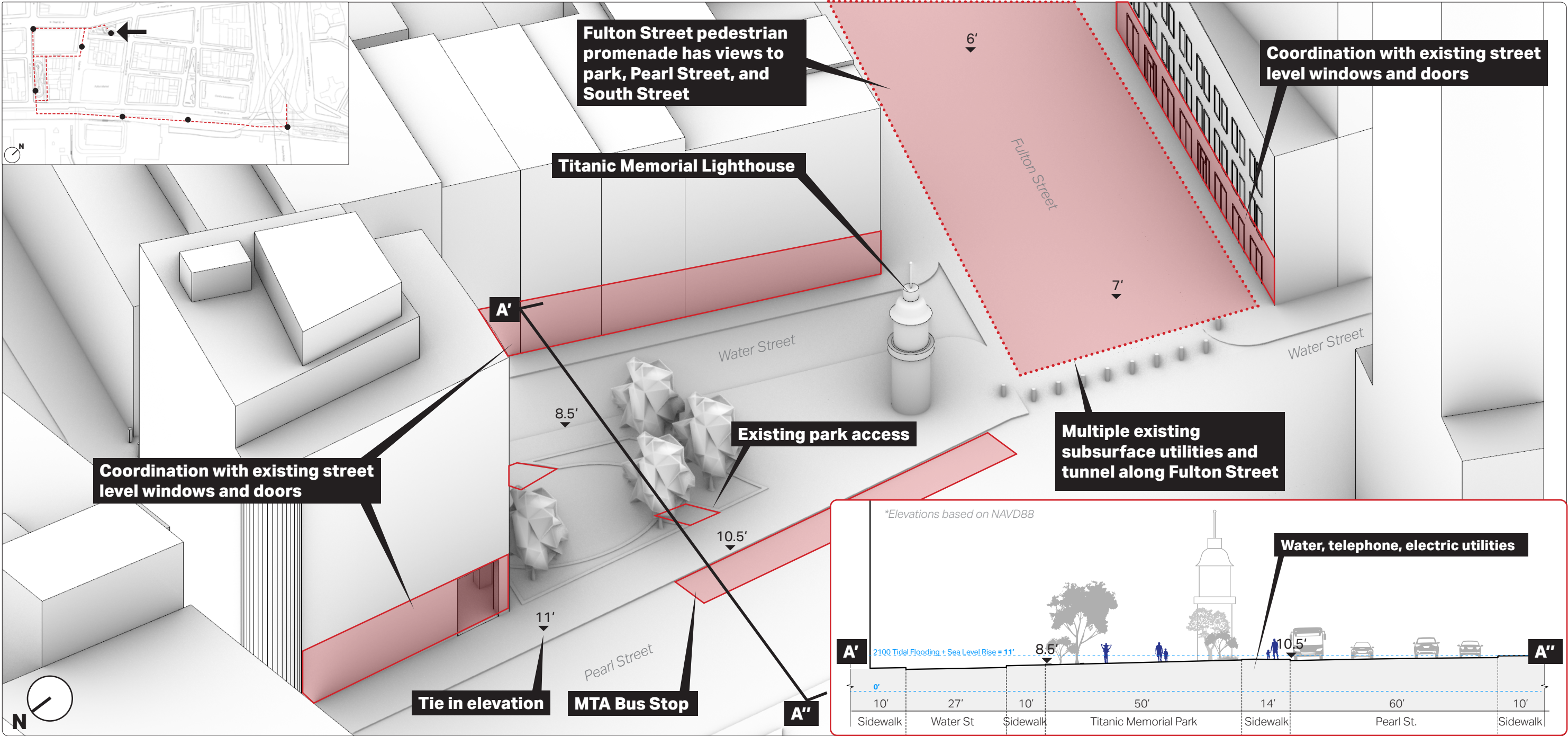


# Plan Overview | Challenges & Opportunities

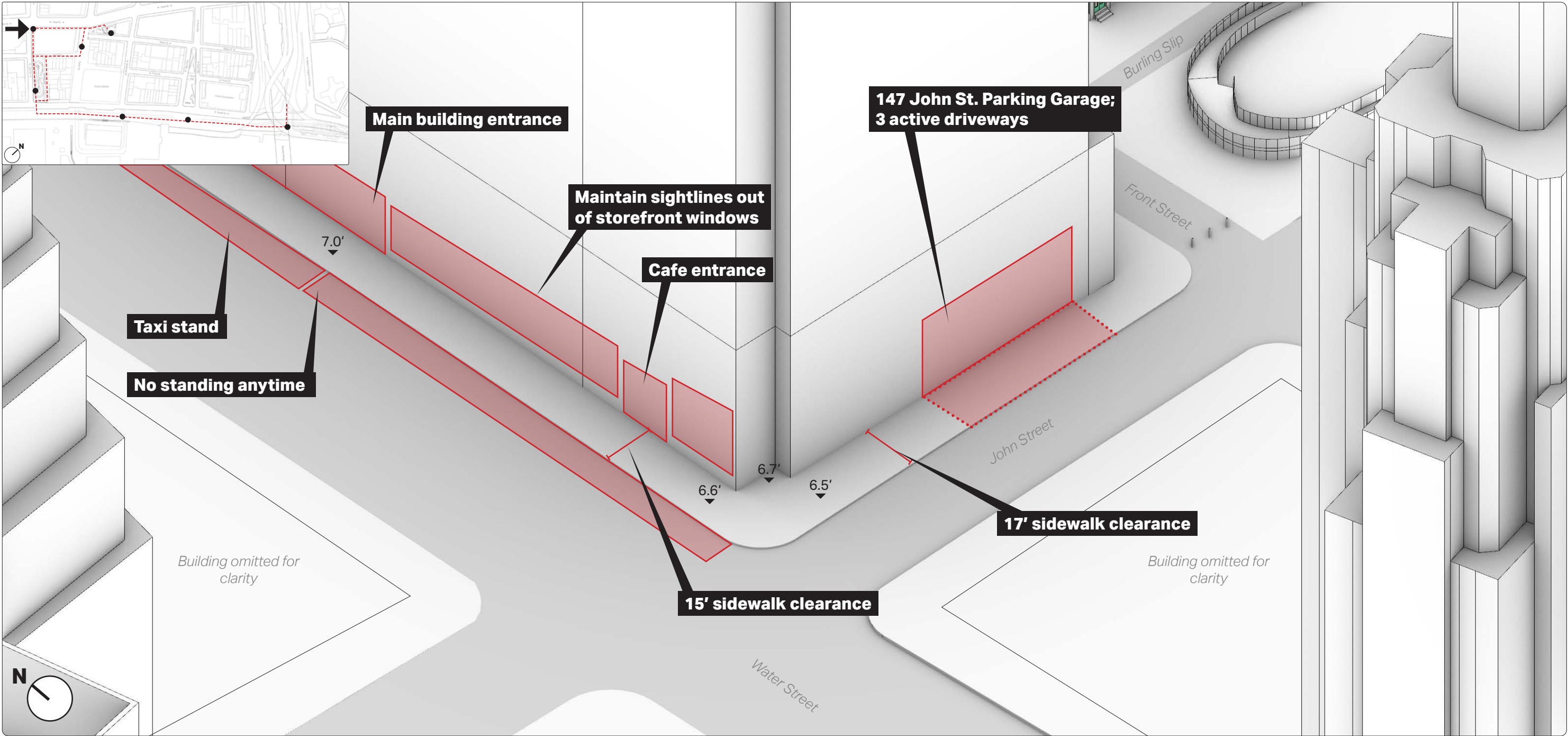




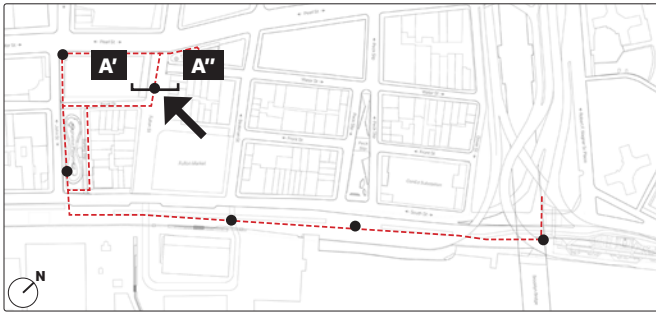
# Stop 1 | Key Study Area: Titanic Memorial Park



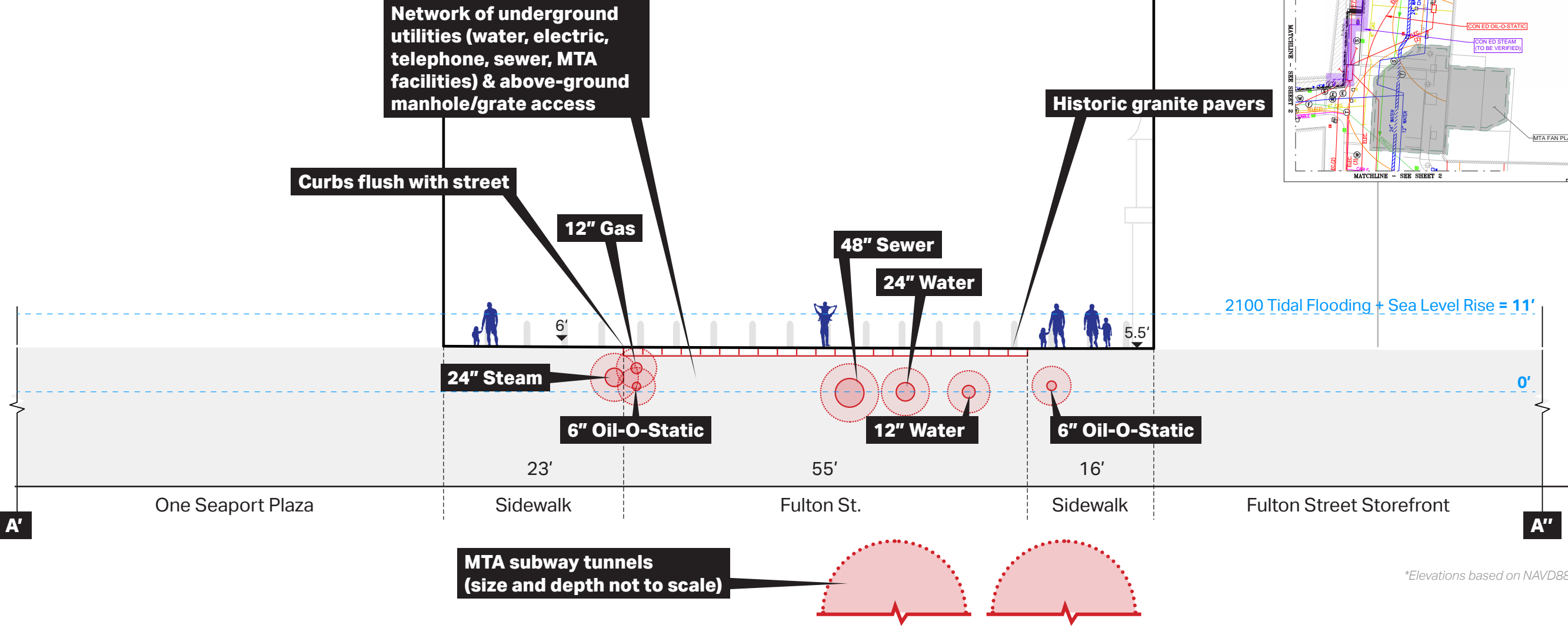
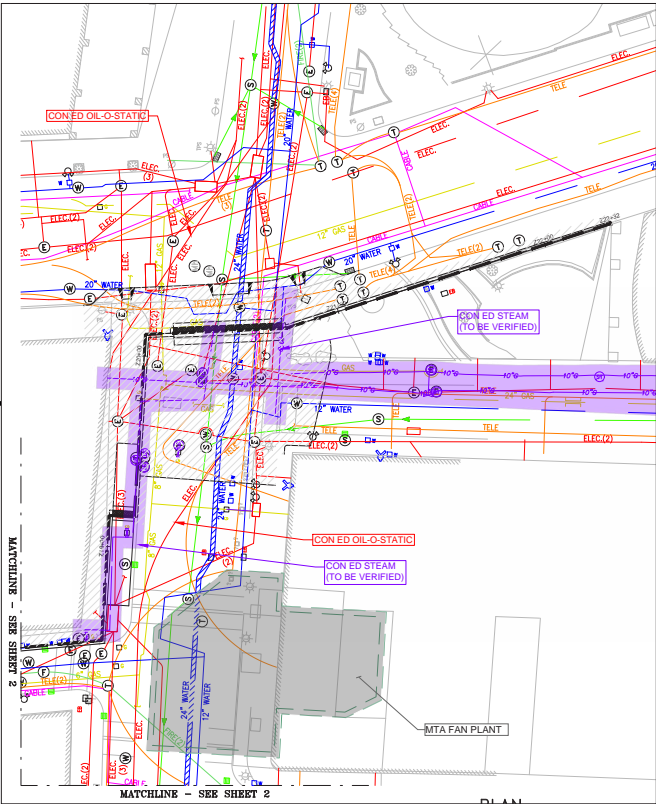
# Stop 2 | One Seaport Plaza



# Stop 3 | Fulton Street in the Historic District



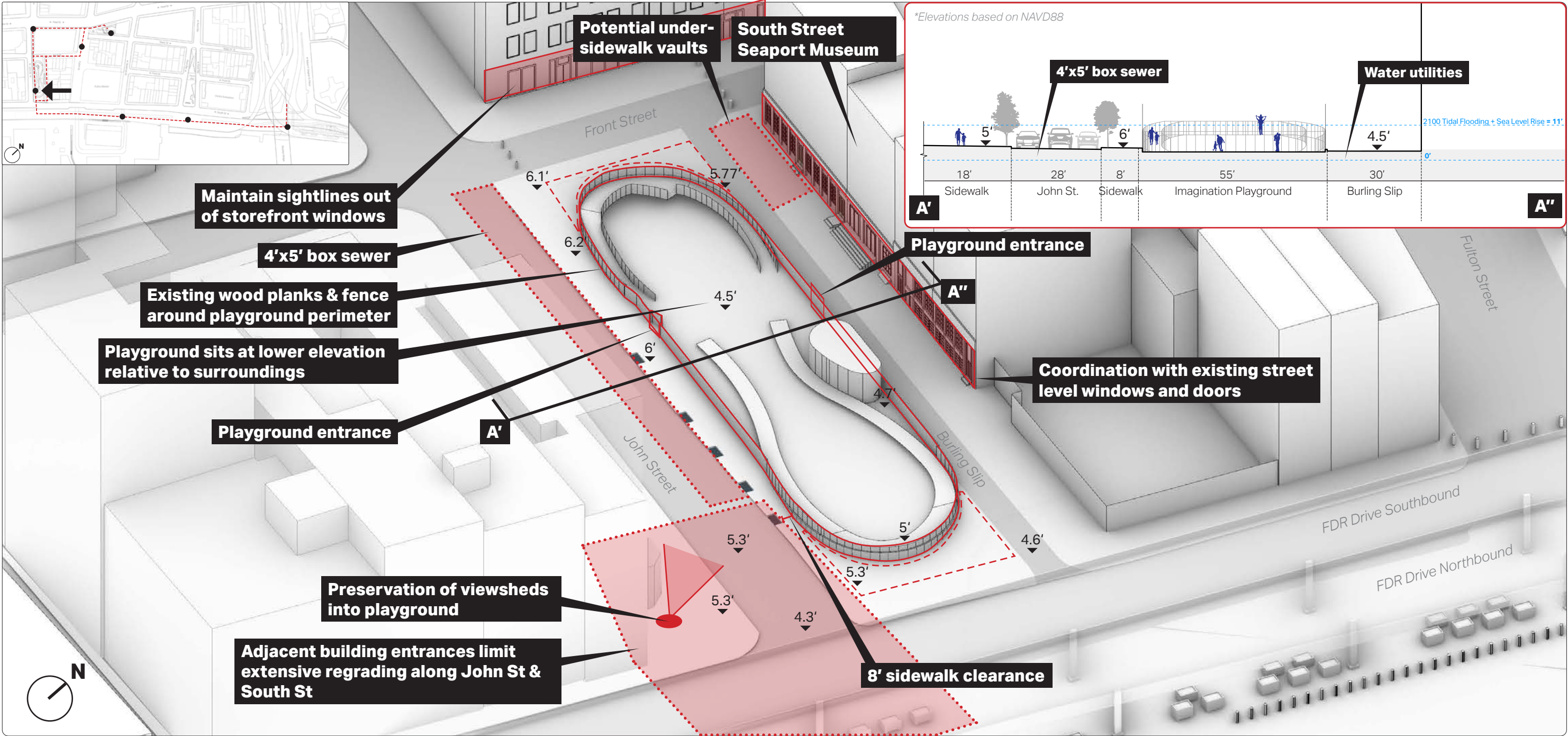
## Fulton Street Utilities Plan



\*Elevations based on NAVD88

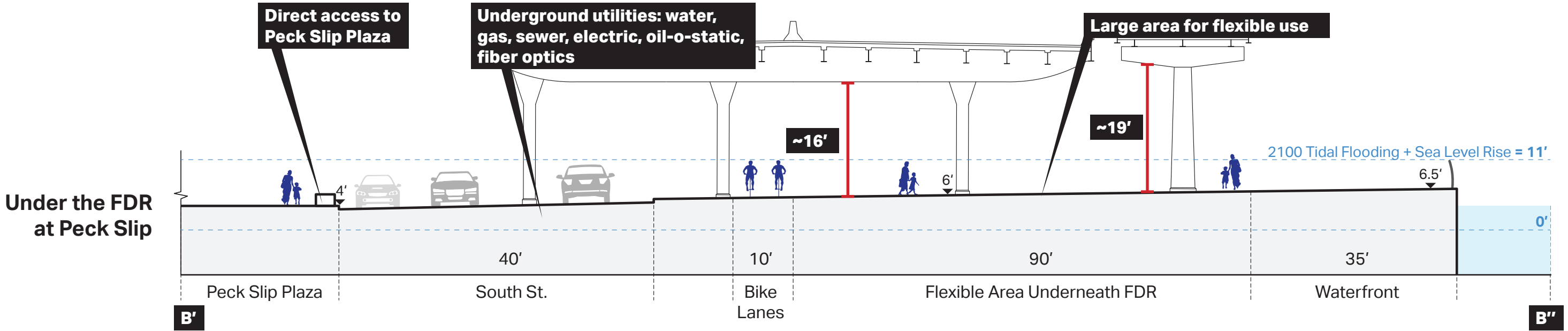
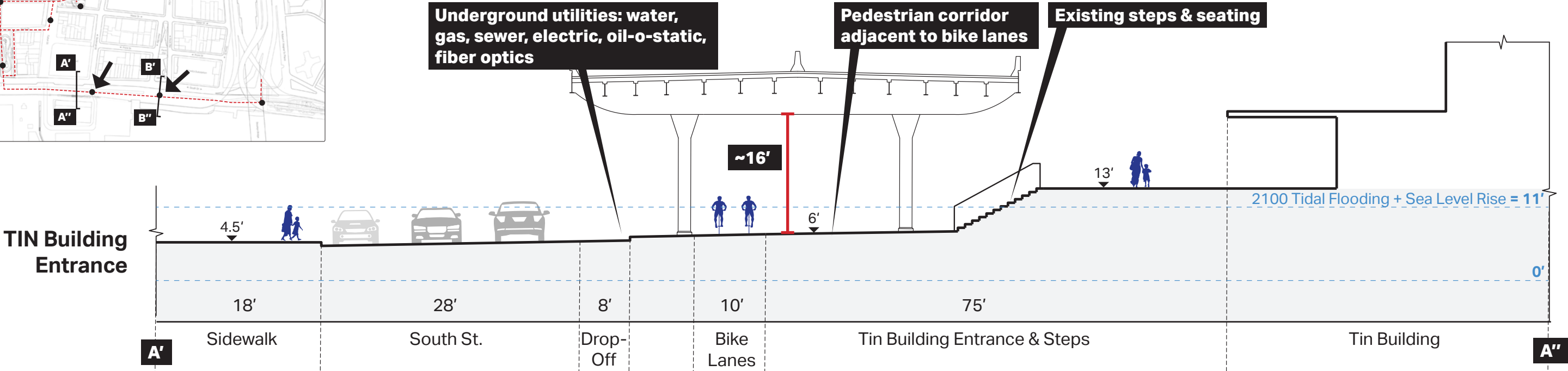
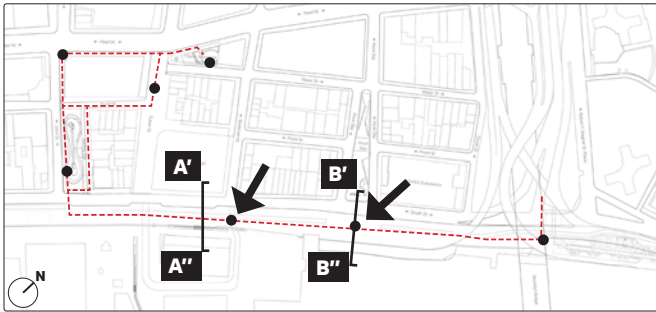


# Stop 4 | Key Study Area: Imagination Playground

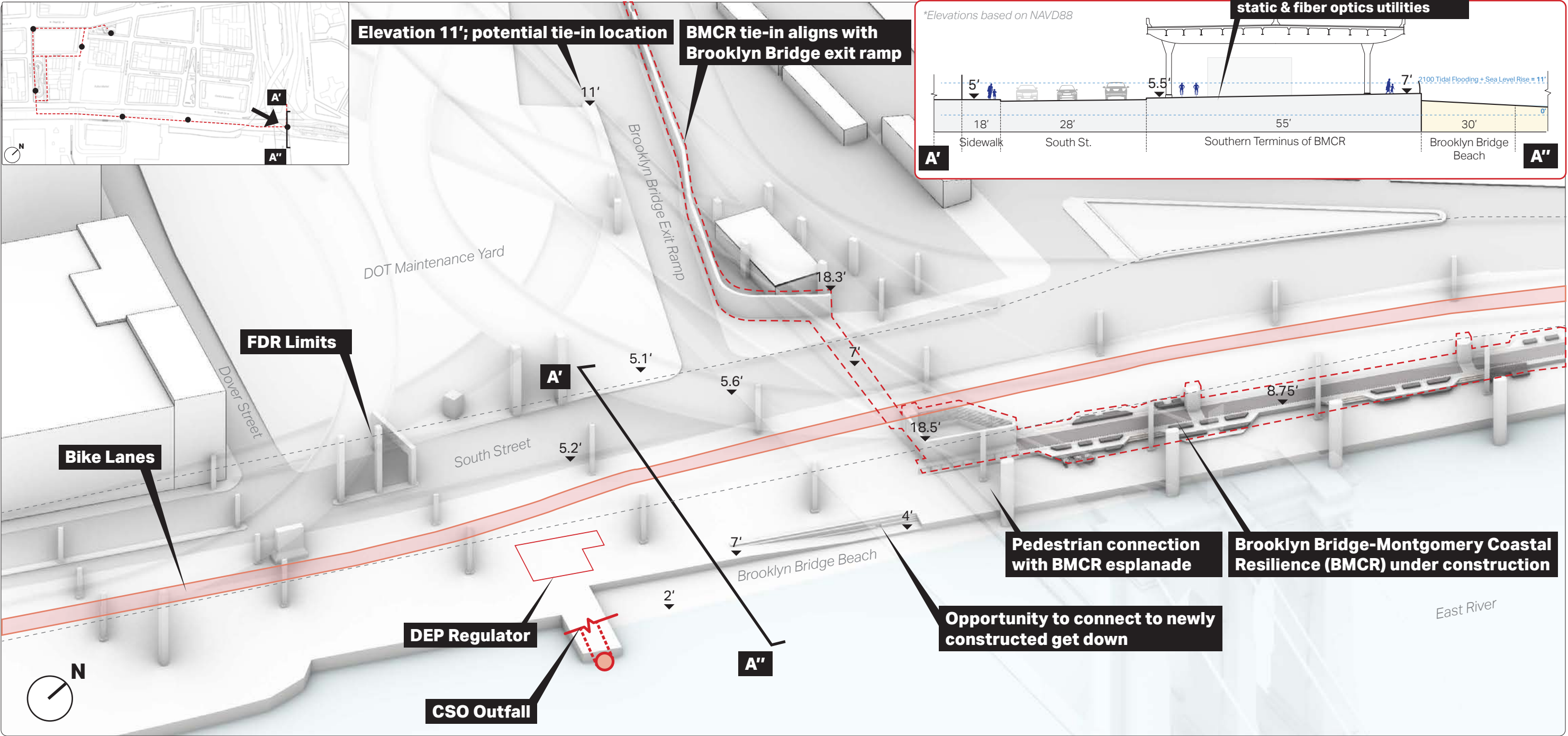


# Stops 5 & 6 | TIN Building Entrance & Under the FDR at Peck Slip

\*Elevations based on NAVD88

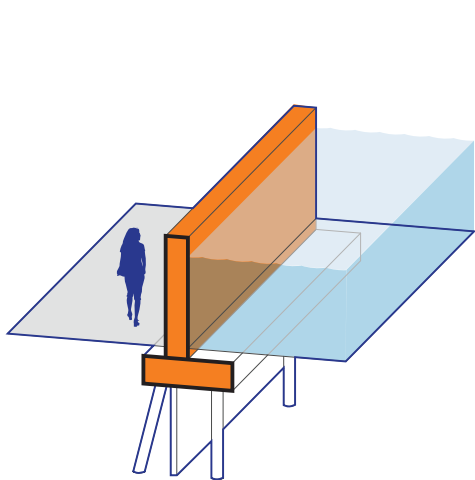


# Stop 7 | Key Study Area: BMCR Tie-In



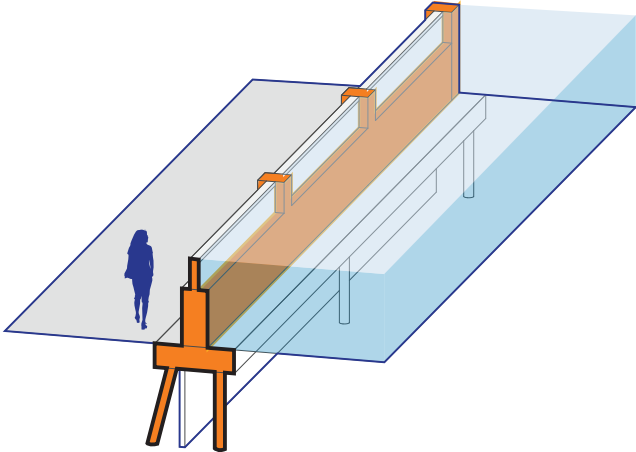


# Flood Response Measures | Flood Infrastructure Toolkit



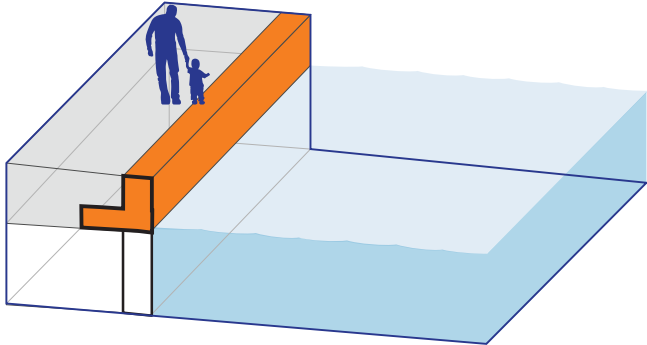
**Floodwall**

.....



**Glass-Topped Floodwall**

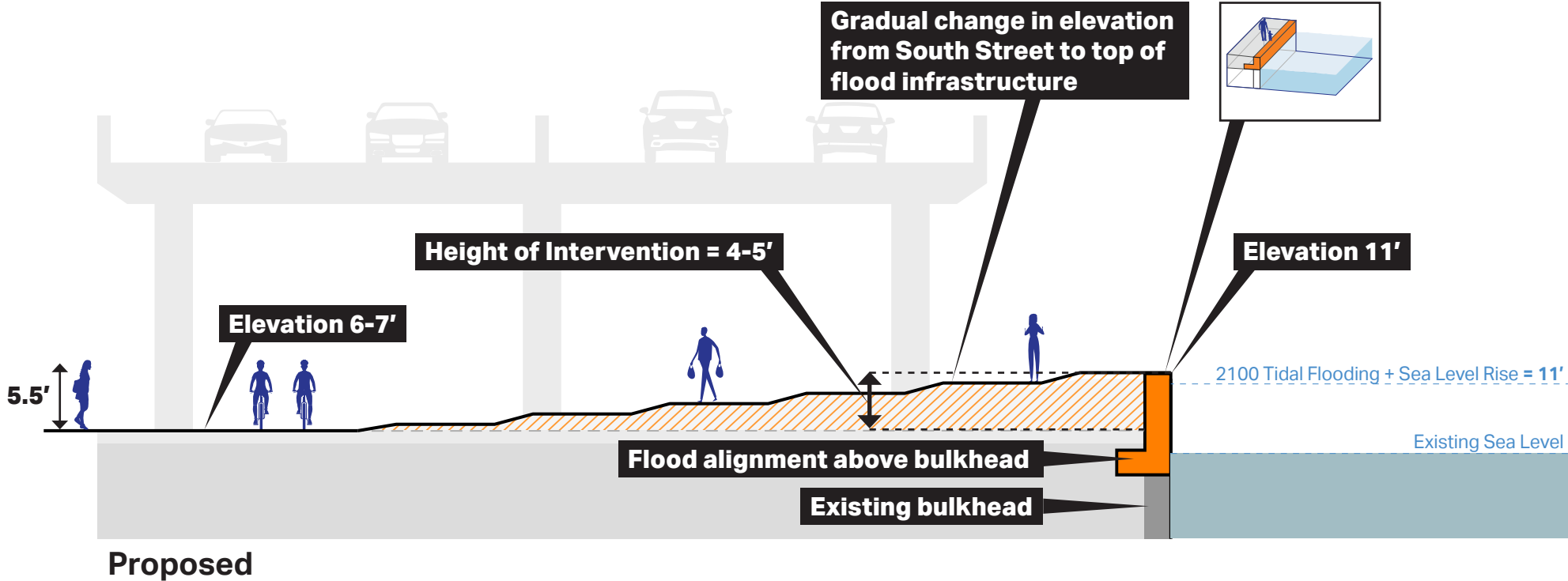
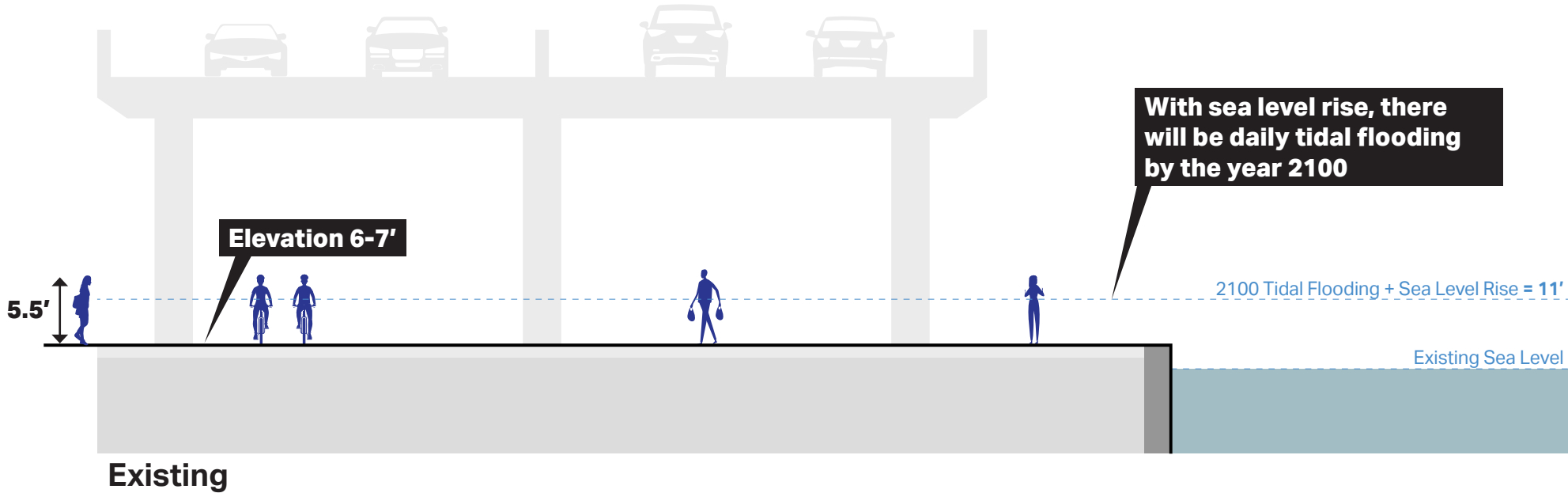
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**Buried Floodwall**

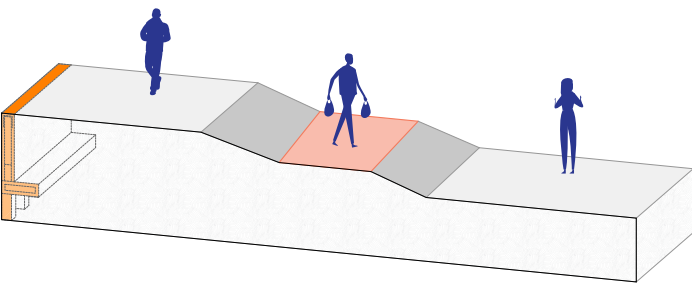
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# Flood Response Measures | Mitigating Elevation Change

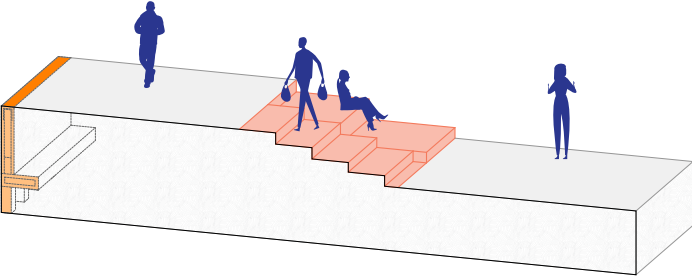


## Methods of Mitigating Elevation Change

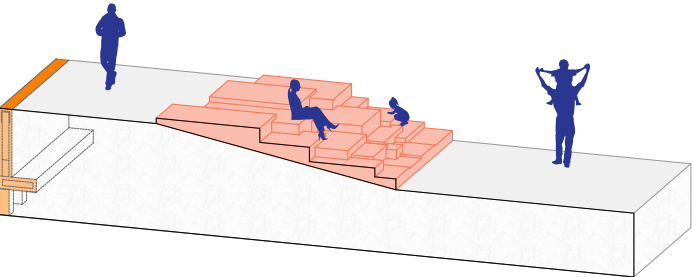
### 1 Accessible Ramp



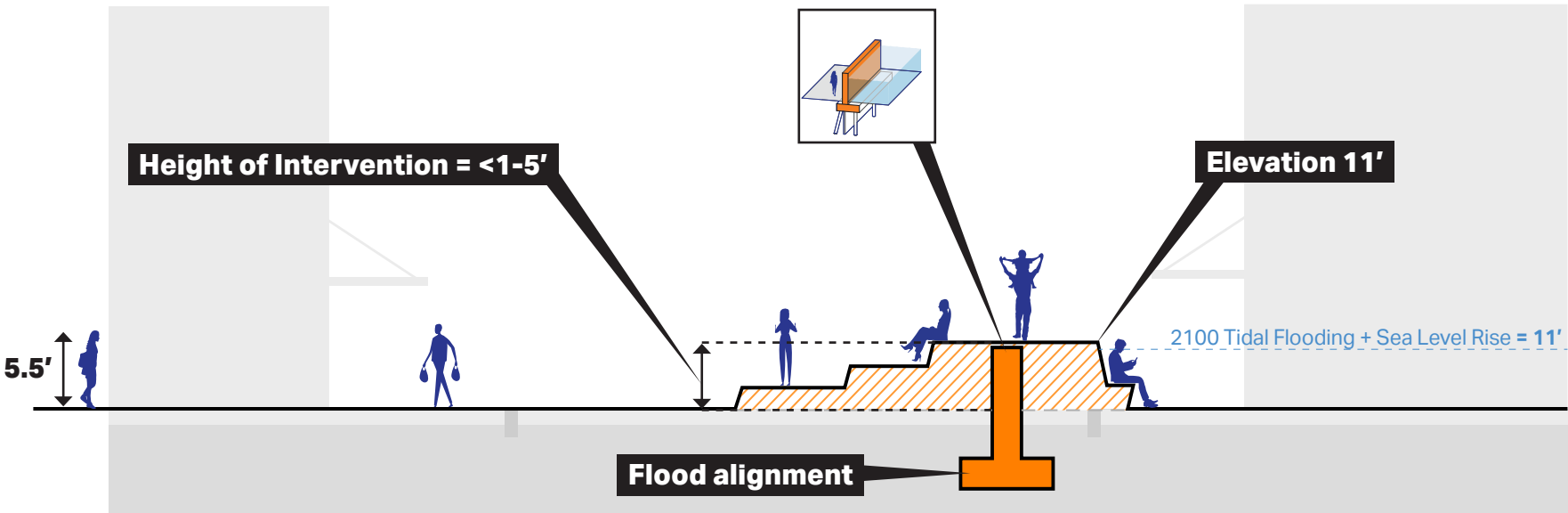
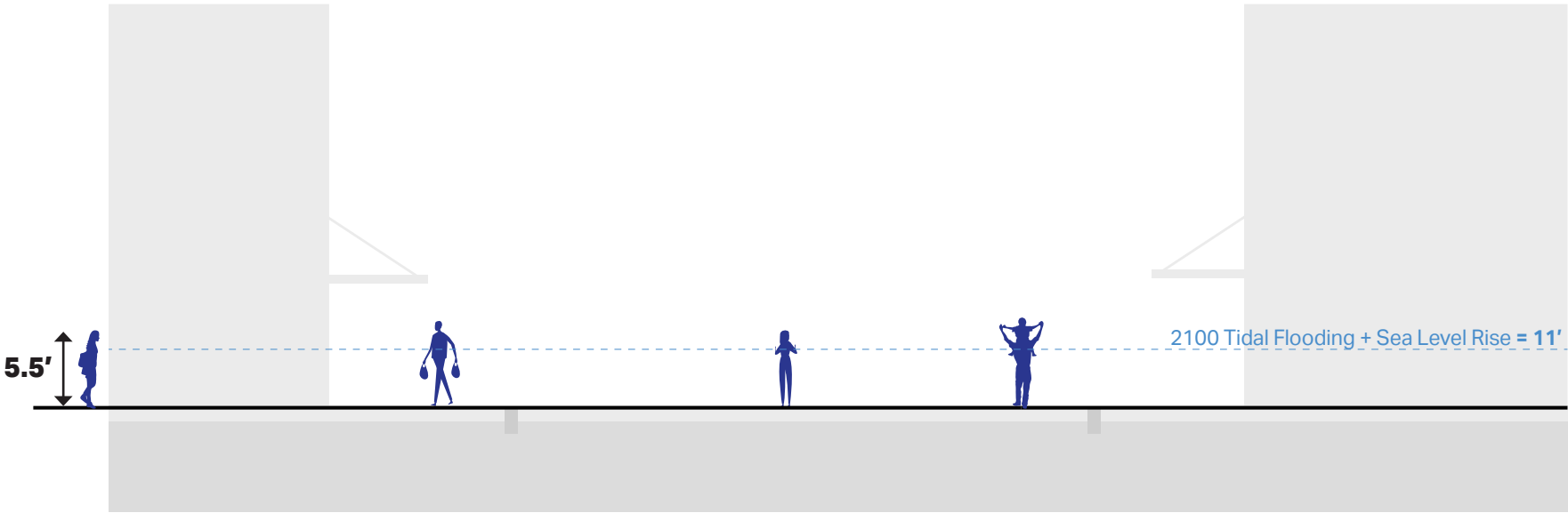
### 2 Steps & Seating



### 3 Interactive Features

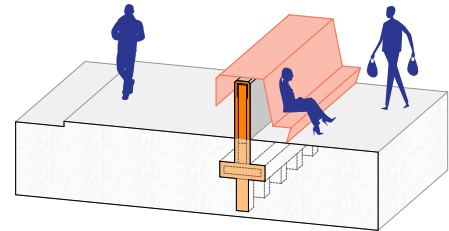


# Flood Response Measures | Surface Treatments



## Design Methods

### 1 Wrap



Urban Furniture Opportunities

Planter

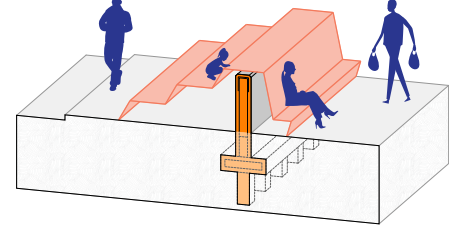
Seating Edge

Table

Bike Rack

Signage

### 2 Attach



Urban Furniture Opportunities

Planter & Seating

Leaning & Standing

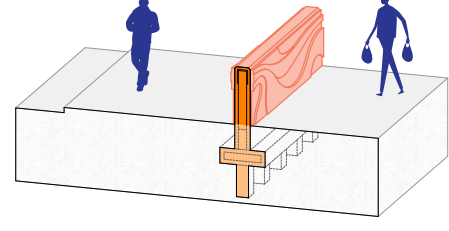
Lighting

Art

Bike Rack

Signage

### 3 Wall Design



Urban Furniture Opportunities

Wall Formliner

Seating

Texture

Signage



# SEAPORT

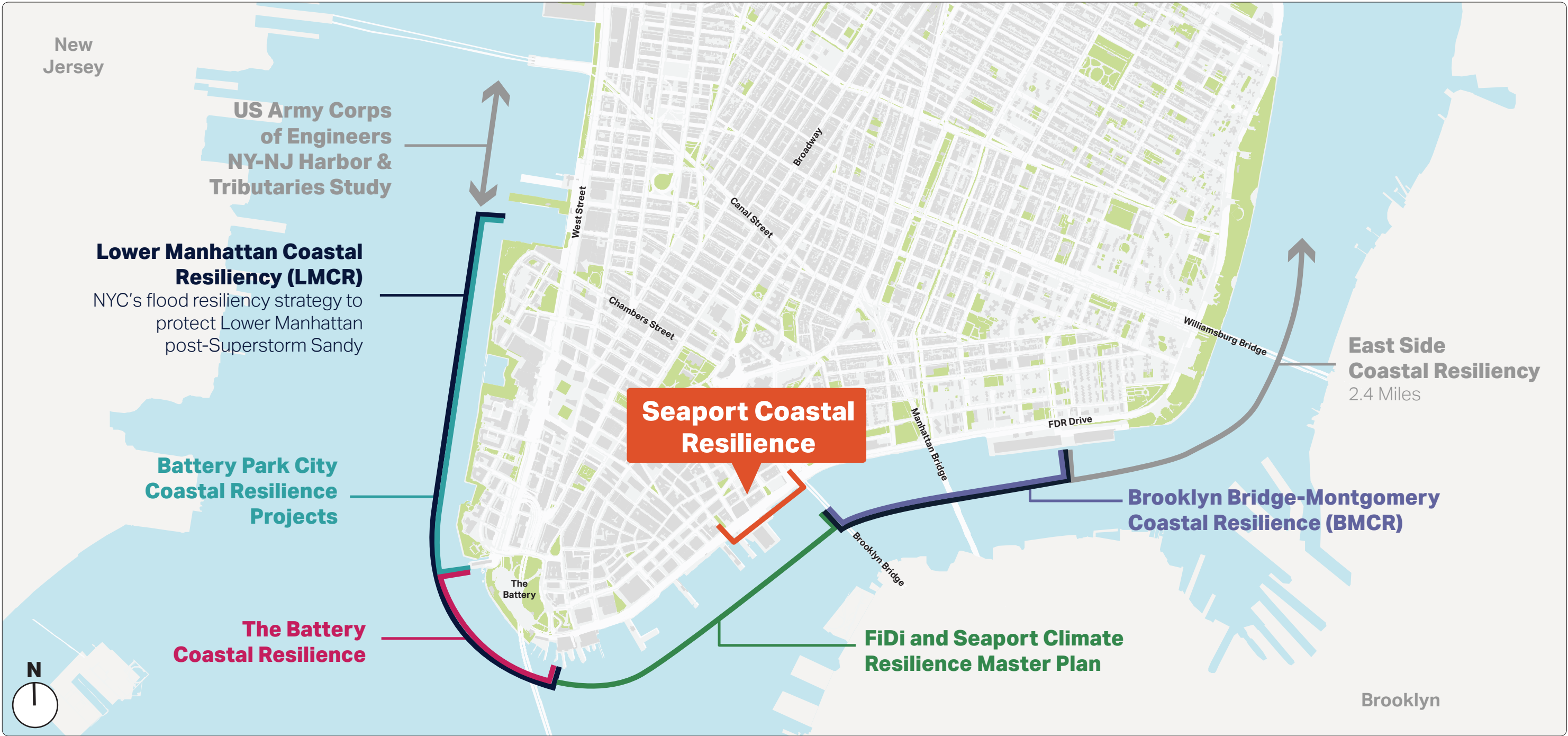
## Coastal Resilience



### APPENDIX: SEAPORT FLOOD RESILIENCE REFERENCES

- 01 Project Adjacencies: Lower Manhattan Coastal Resiliency
- 02 Topography & Height of Intervention
- 03 Design Flood Elevation (DFE) Diagram

# Lower Manhattan Coastal Resiliency (LMCR)





# Why is Seaport being protected?

The Seaport District has a rich history that is at threat from climate change and sea level rise.

The district will experience **monthly** tidal flooding by the **2050s**, and **daily** tidal flooding by the **2080s**.

By **2100**, daily high tides will reach up to **three blocks inland** at Pearl Street.



Left: Schermerhorn Row and the Fulton Market, c. 1834.  
Source: Artist William James Bennett; The Seaport Community Coalition

Below: Schermerhorn Row today with 2100 tidal flooding levels depicted



Schermerhorn Row, c. 1970.  
Source: The Seaport Community Coalition

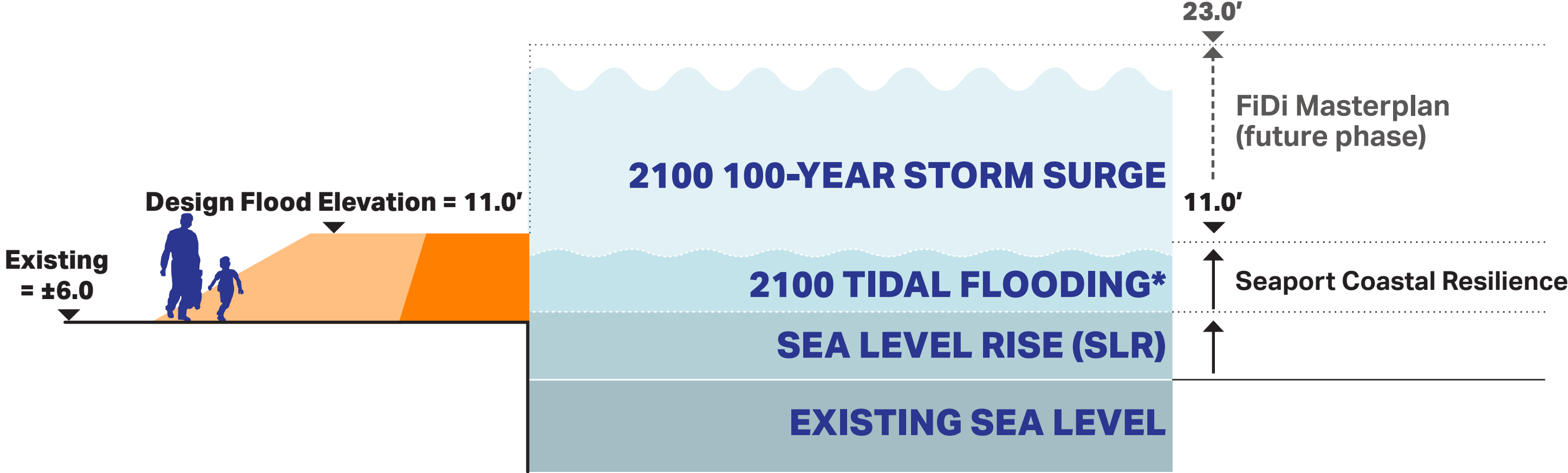




# Topography & Height of Intervention



# What will we be designing to?

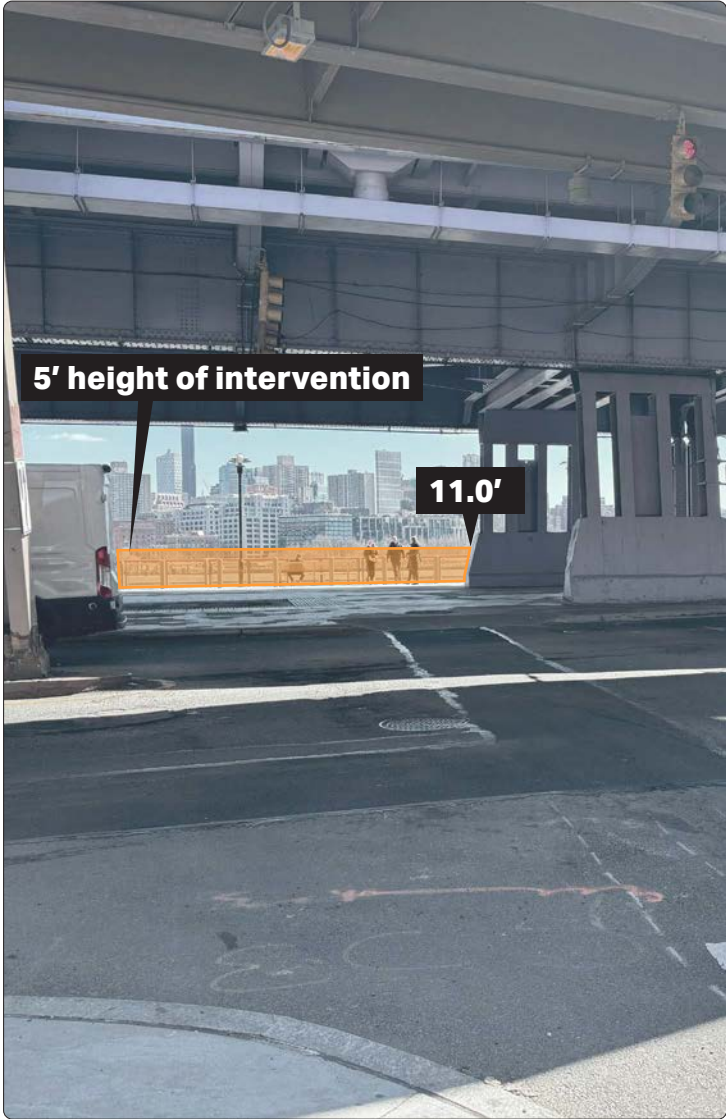


*\*Future tidal inundation & current day coastal flooding  
\*Elevations based on NAVD88*



# Waterfront View Corridors

## Impact of flood alignment at view corridors



Dover Street



Peck Slip Plaza

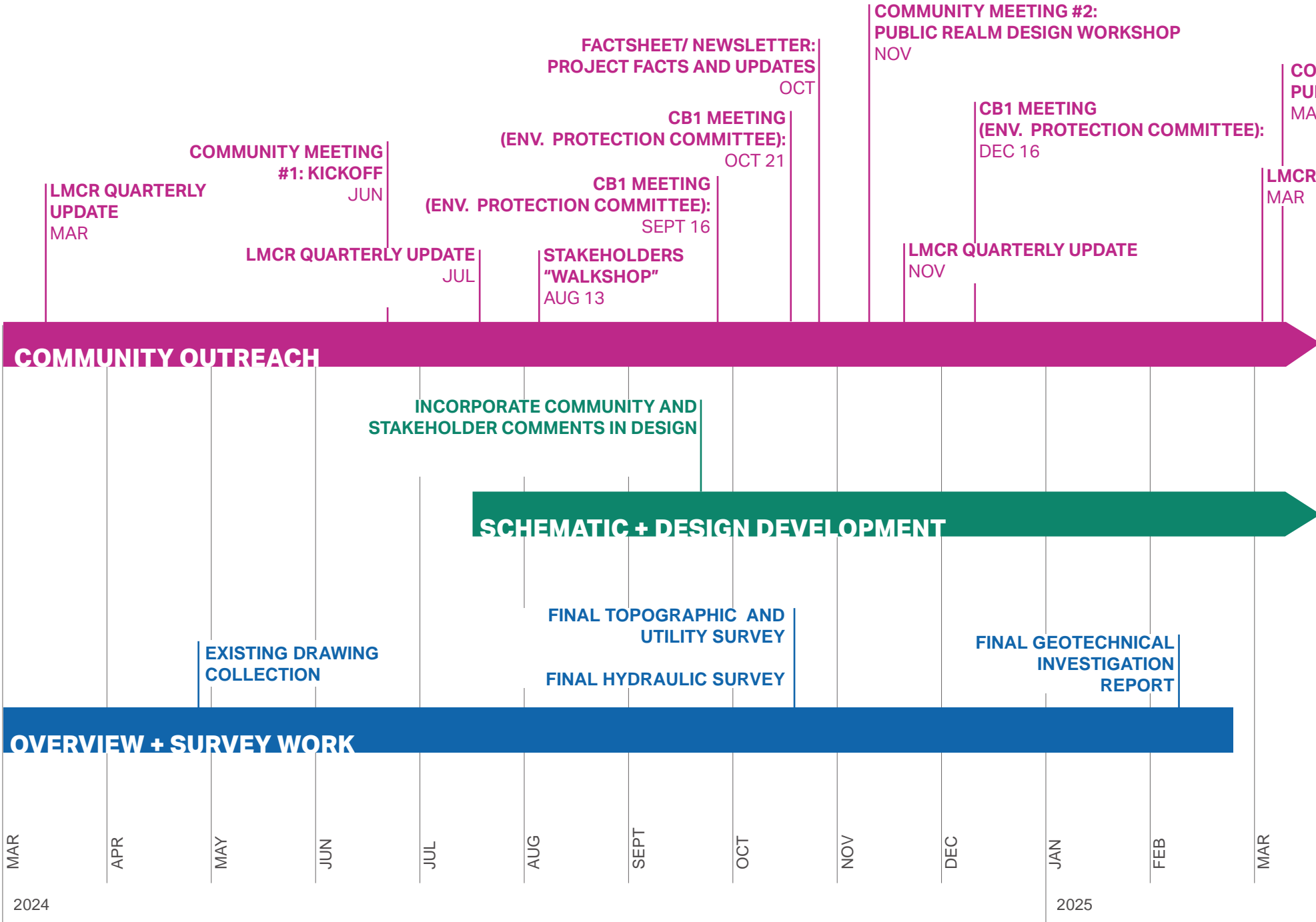


Fulton Street



John Street

# Project Timeline & Next Steps



## NEXT STEPS

- AUGUST 13**  
Stakeholders "Walkshop"
- SEPTEMBER 16**  
Community Board 1 (Environmental Protection Committee): Share Walkshop feedback. Discuss engineering and feasibility
- OCTOBER 21**  
Community Board 1 (Environmental Protection Committee): Share design materials in advance of Community Meeting #2
- OCTOBER**  
Factsheet/ Newsletter: Project facts and updates in preparation for Community Meeting #2
- NOVEMBER**  
Community Meeting #2: Collaborate with community in Public Realm Design Workshop
- DECEMBER 16**  
Community Board 1 (Environmental Protection Committee): Share feedback from Community Workshop and design progress
- MARCH**  
Community Meeting #3: Present design progress and receive feedback