

# Lower Manhattan Coastal Resiliency

May 19th, 2025

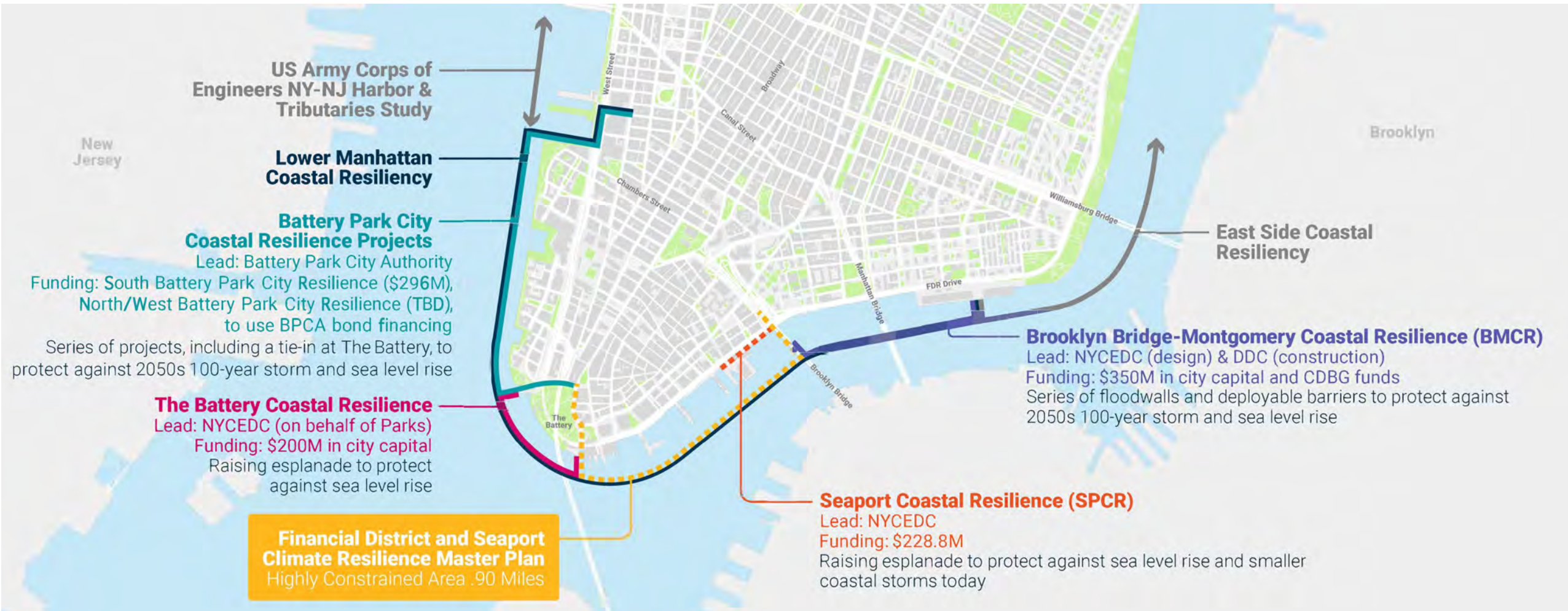
**NYC** Mayor's Office of Climate &  
Environmental Justice



**NYC** / **EDC**

**NYC** **DDC** Department of  
Design and  
Construction

In Lower Manhattan, the City, State, and Federal governments have committed over \$2.7B in capital investments for climate adaptation projects. **The Financial District and Seaport Climate Resilience Master Plan** will fill a missing link in Lower Manhattan's comprehensive flood defense infrastructure.



# Project Timelines

(Est. Dates as of April 2025)

Project	100% Design	Procurement	Construction Start	Construction Complete						
					'25	'26	'27	'28	'29	'30
Brooklyn Bridge–Montgomery Coastal Resilience	Complete	Complete	Underway	Fall 2026						
South Battery Park City Resiliency	Complete	Complete	Underway	Fall 2025						
The Battery Coastal Resilience	Complete	Complete	Underway	Summer 2026						
North/West Battery Park City Resiliency	Early 2025	Complete	Mid/Late 2025	Fall/Winter 2030						
Seaport Coastal Resilience	Mid 2026	Early 2026	Late 2026	2029						
FiDi-Seaport Master Plan	Underway	TBD	TBD	TBD						

# LMCR – Battery Coastal Resilience

CB1 – 05/19/2025



# LMCR – Battery Coastal Resilience

EDC Managing Project on Behalf of Parks

## Design

- 100% Design complete – June 2023
- Verified Envision Platinum Award (program to lower carbon footprint for large infrastructure projects) - December 2023

## Construction

- Phase 1 – Jan 2024 to July 2025
- Phase 2 – August 2025 to August 2026



Conceptual Rendering

# Construction Updates

## Phase 1 Completed Work

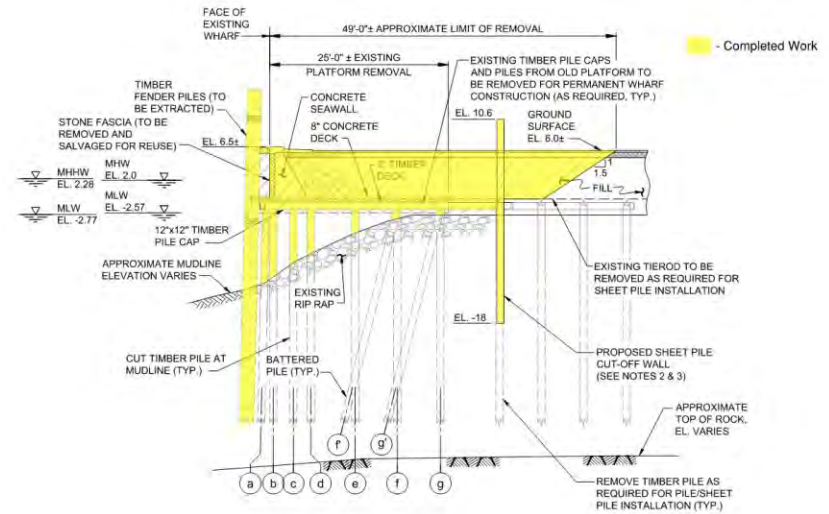
- Construction Kicked off – February 2024
- NPS West Security Tent Demolition – Complete March 2024
- Hardscape Salvage – Complete March 2024
- Sheet Pile Install – Complete May 2024
- Existing Wharf Demolition – Complete June 2024
- Test Piles – Complete June 2024
- Sitewide Mass Excavation – Complete November 2024
- Production Pile Installation – Complete March 2025
- Drainage Improvements – Complete March 2025

## Phase 1 Ongoing Work

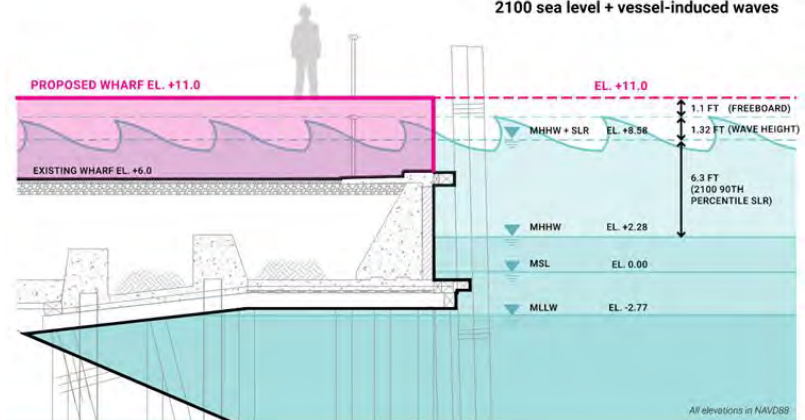
- Precast Pile Cap, Beam, Plank, and Fascial Panel Installation
- Wharf Topping Slab Concrete Placement
- Upland Lightweight Fill Program
- Upland Concrete Foundation Installation
- Upland Hardscape and Stonework Installation
- Soil Installation & Tree/Herbaceous Plantings

## Phase 1 Upcoming Milestones

- Completion of Phase 1, Transition to Phase 2



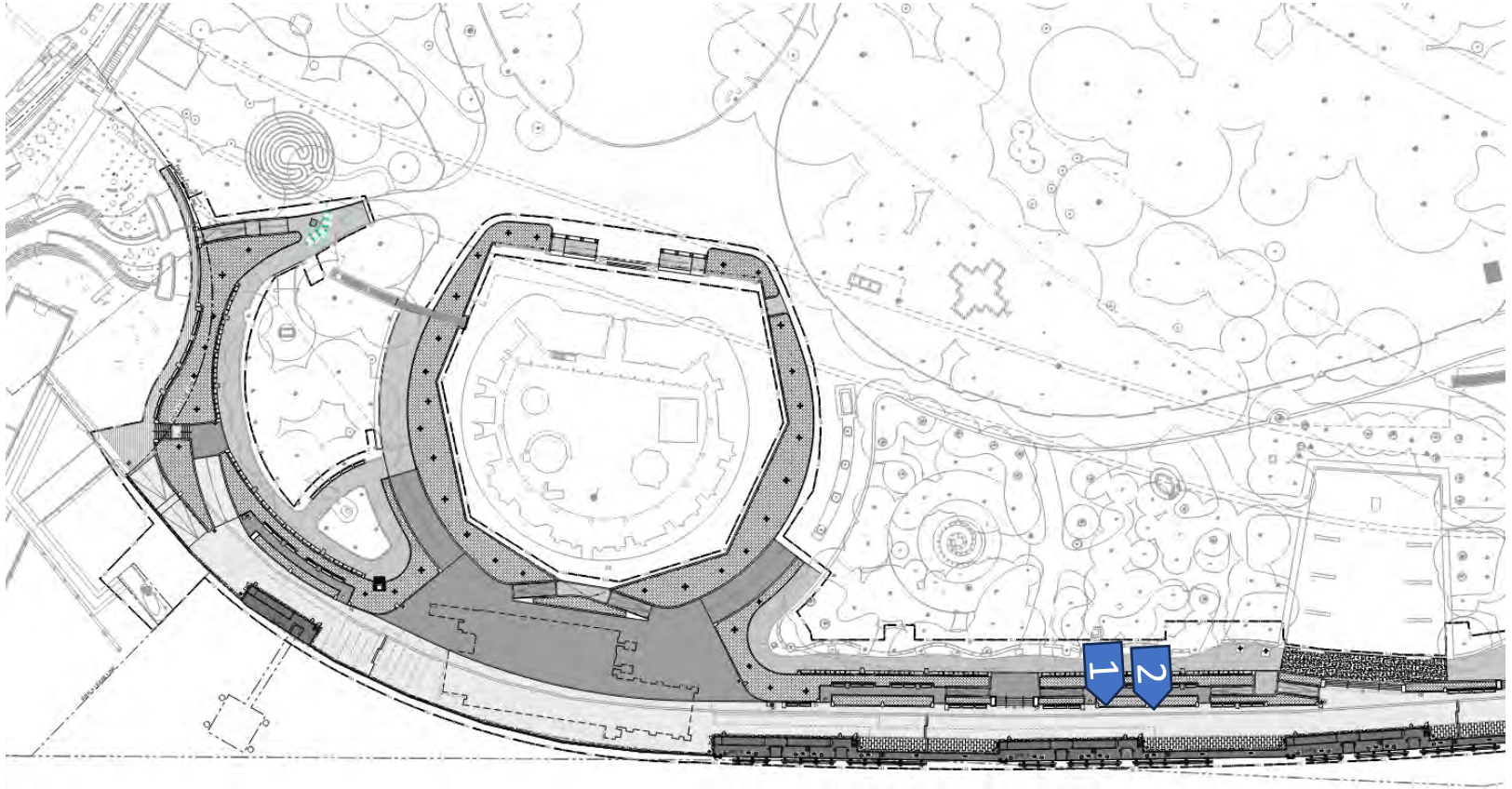
Wharf design elevation considers  
2100 sea level + vessel-induced waves



All elevations in NAVD83



# Progress Photos: Photo Location Overview



## Progress Photos: Precast Installation – Pile Caps & Beams



December 2024 – Installation of Precast Pile Caps



January 2025 – Installation of CIP Beams

# Progress Photos: Photo Location Overview



## Progress Photos: Precast Installation – Planks & Fascia Panels

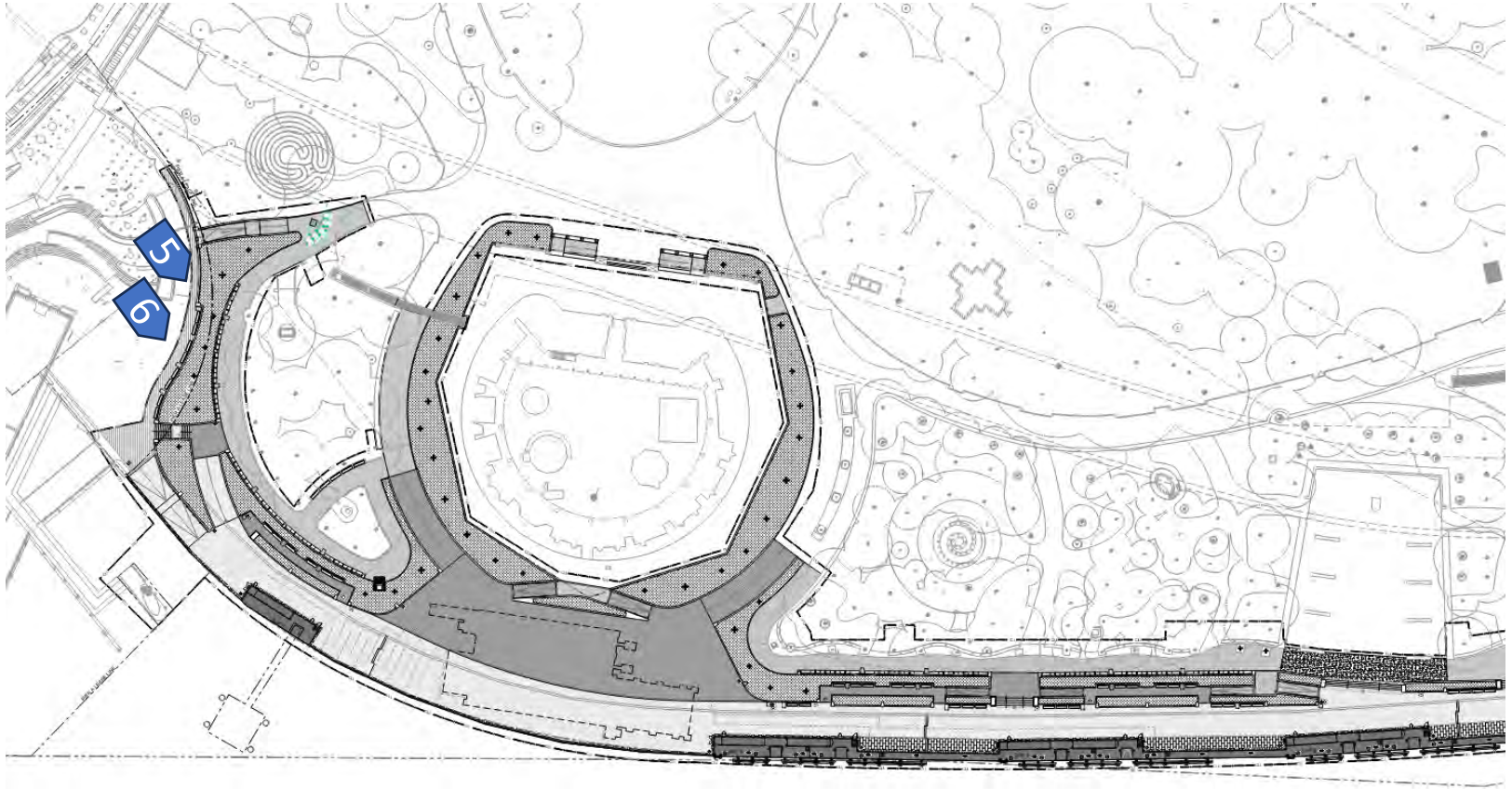


February 2025 – Precast Plank Installation



March 2025 – Fascia Panel Installation

# Progress Photos: Photo Location Overview



# Progress Photos: Upland Lightweight Fill Program

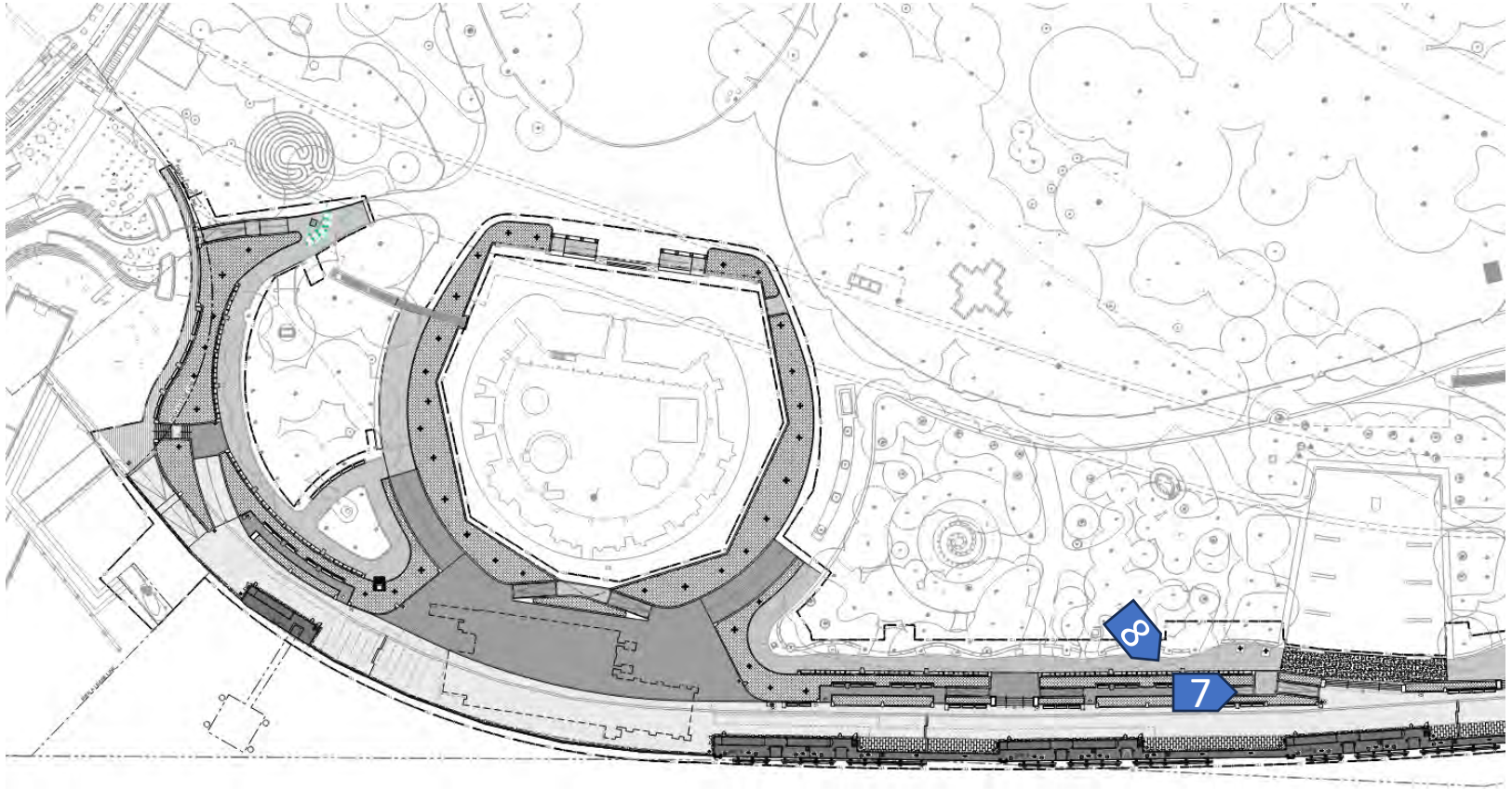


February 2025 – Placement of Ultra  
Lightweight Foam Glass Aggregate Fill



March 2025 – Placement of Expanded Shale  
Clay & Slate Fill

# Progress Photos: Photo Location Overview



## Progress Photos: Upland Concrete Foundations and Stonework

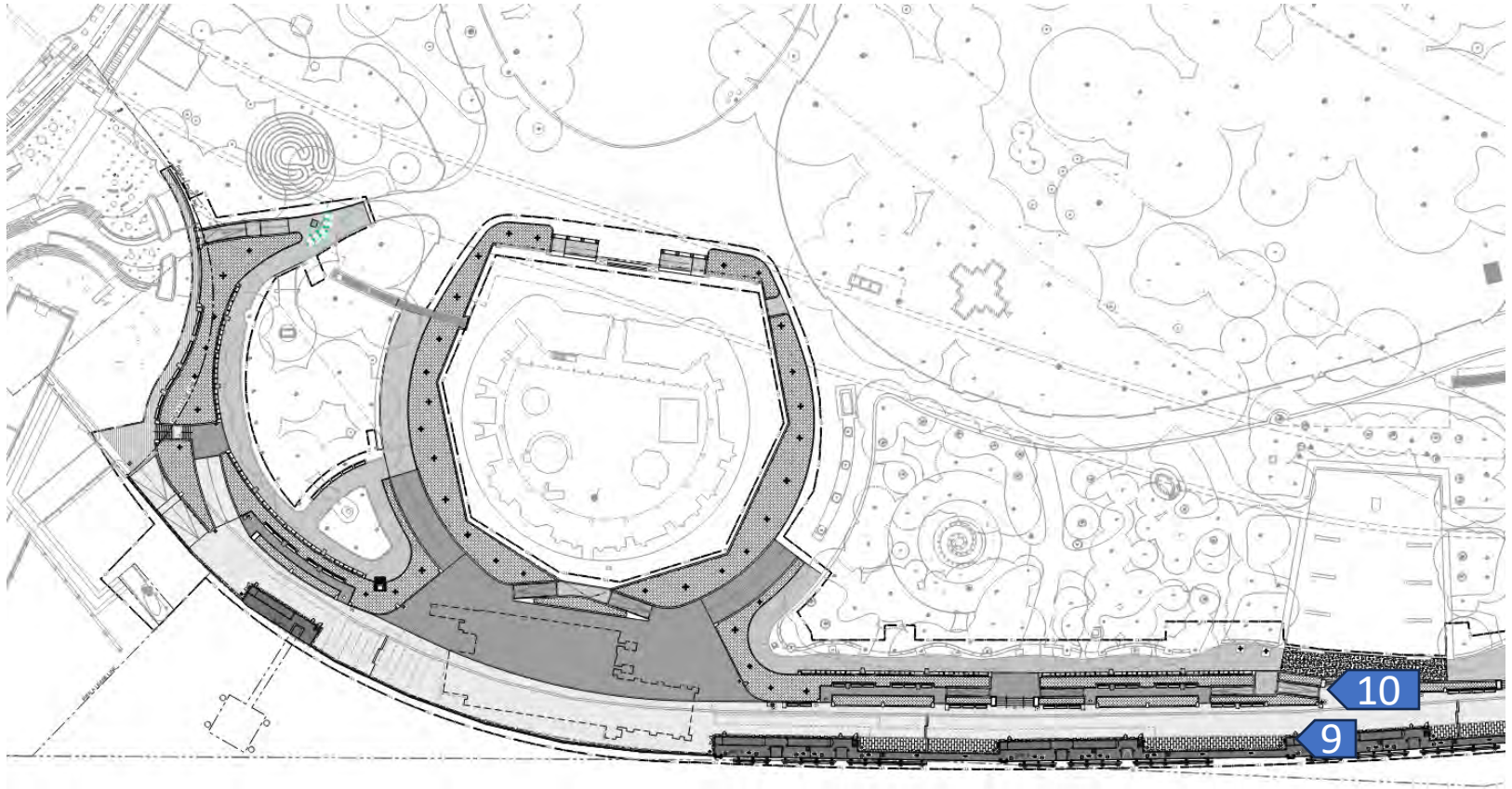


March 2025 – Foundations for Gardens of Remembrance Ramps



March 2025 – Salvaged Granite Reinstallation

# Progress Photos: Photo Location Overview



## Progress Photos: Waterfront & Upland

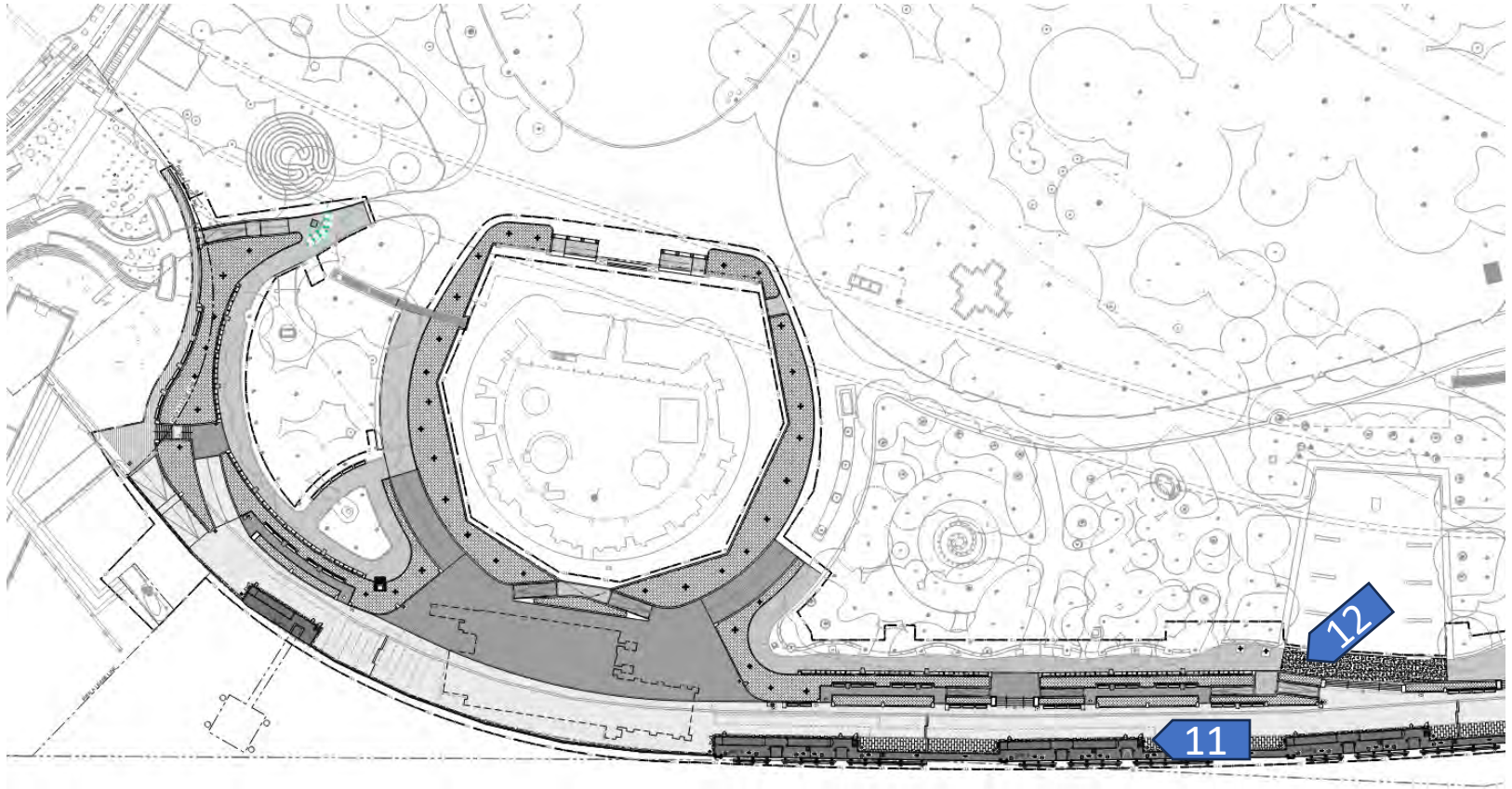


April 2025 – Deck Reinforcement & Fascia Panels



April 2025 – Deck Reinforcement & Upland

# Progress Photos: Photo Location Overview



# Progress Photos: Waterfront & Upland

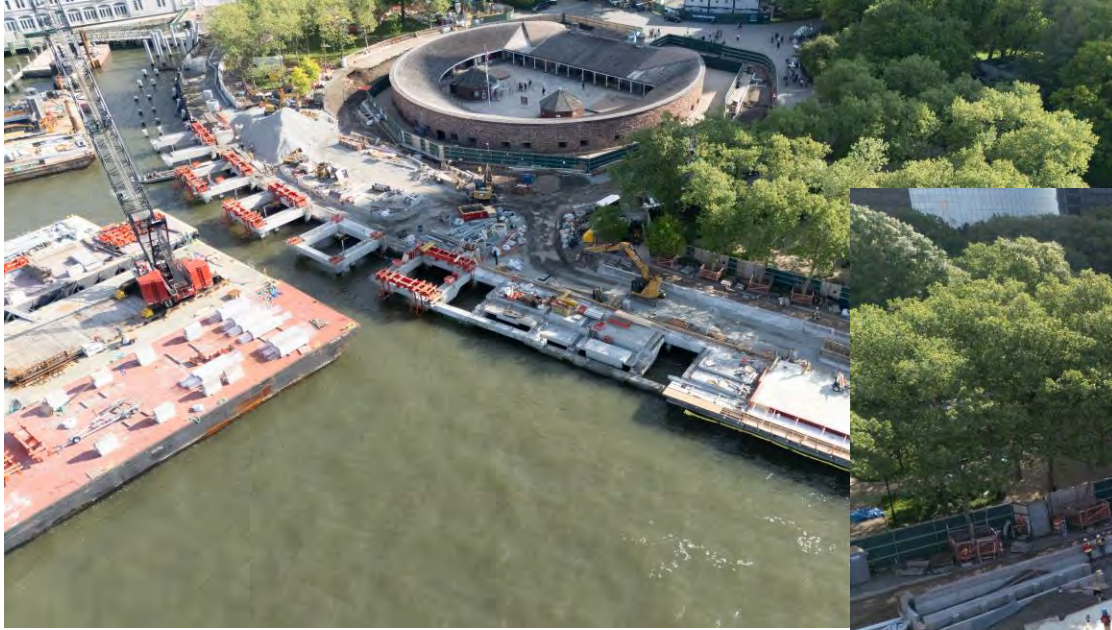


May 2025 – Topping Slab Progress



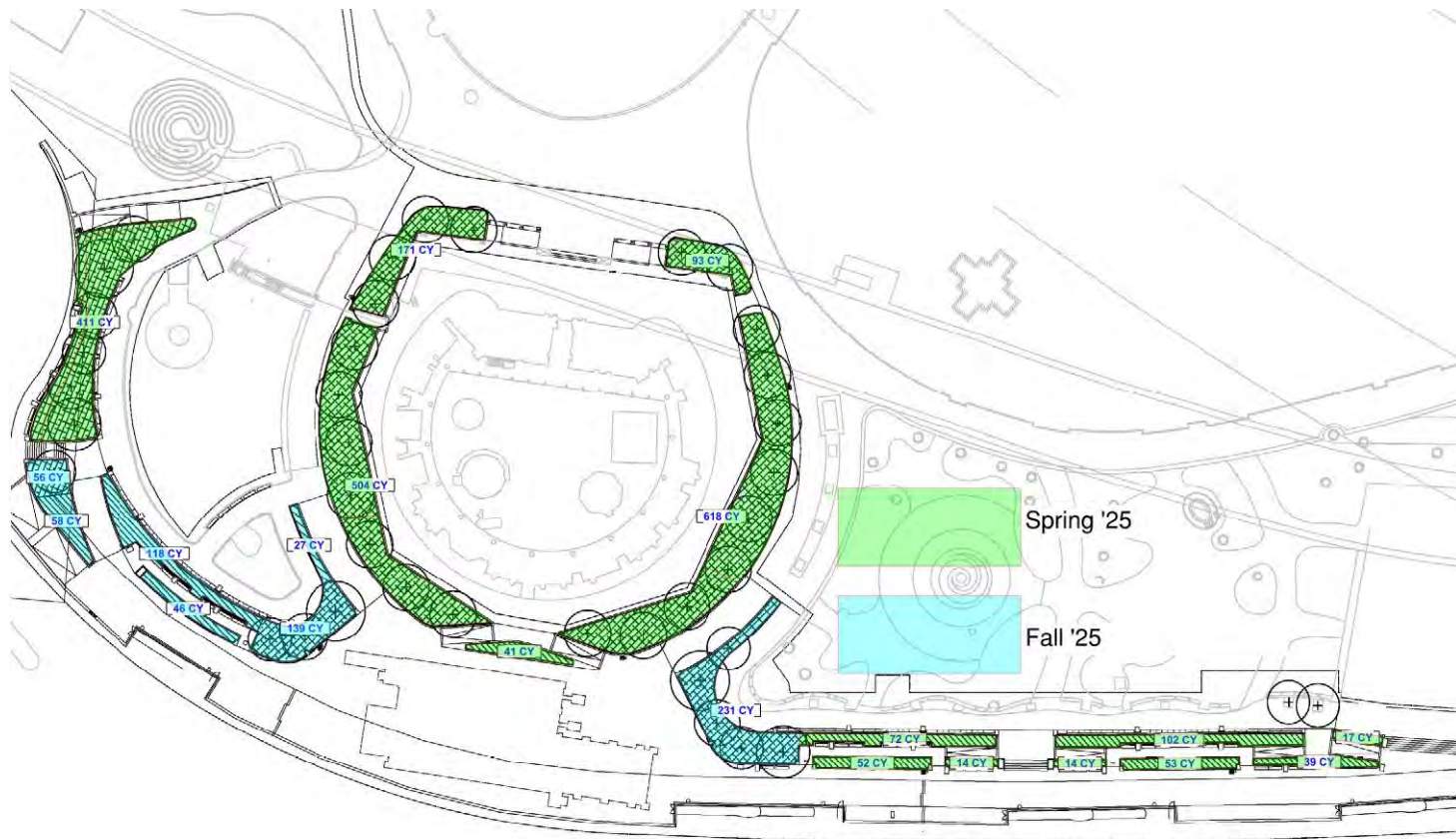
May 2025 – Upland Foundations & Subgrade

# Progress Photos: Waterfront & Upland



May 2025 – Aerial Photos

# Upcoming Plantings



# Upcoming Plantings



# Stony Creek Granite

Before Repair



After Repair



# Granite Fascia



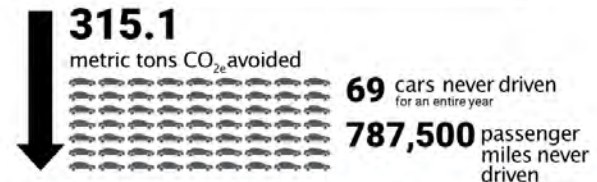
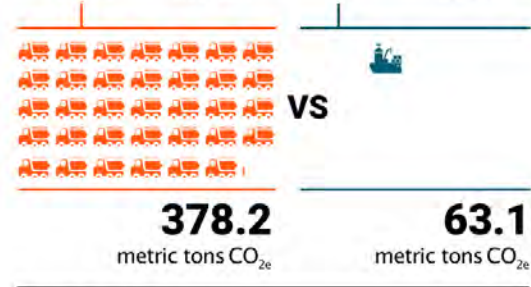
# Granite Fascia



# Minimize Material Transportation Emissions



Material	Volume (CY)	Truck Trips	Truck Miles	Barge Trips	Barge Miles
<b>Exports</b>					
C&D Recycling	1,840	93	930	1	10
Soil	13,100	656	34,112	14	728
<b>Imports</b>					
ESCS	2,950	148	32,560	2	360
AeroAggregate	7,750	388	85,360	3	540
Aggregate	8,400	420	36,120	12	720
<b>Total</b>		<b>1,705</b>	<b>189,082</b>	<b>32</b>	<b>2,358</b>



= 50 truck trips  
 = 50 barge trips

# March 2024 Aerial



# June 2024 Aerial



# July 2024 Aerial



# September 2024 Aerial



# November 2024 Aerial



# March 2025 Aerial



# May 2025 Aerial



# Community Outreach & Updates

## Construction Notices

### Lower Manhattan Coastal Resiliency Battery Coastal Resilience

Construction Notification | Date Issued: 02/06/2025

#### Project Summary

The Battery Coastal Resilience Project will rebuild and elevate the Battery wharf to reduce risk from future tidal flooding and low level coastal storms, while maintaining the character and uses of the promenade and the rest of the park. The Battery Coastal Resilience Project is one of several projects, which together are known as the Lower Manhattan Coastal Resiliency (LMCR) Project.

## Newsletters

### Battery Coastal Resilience News

March 2025



Image: Aerial image of The Battery (photo taken by The Battery Conservancy)

## Questions?

Kyle Beyer - Construction Community Liaison

info@batterycoastalresilience.com

<https://www.nyc.gov/site/lmcr/progress/battery-coastal-resilience.page>



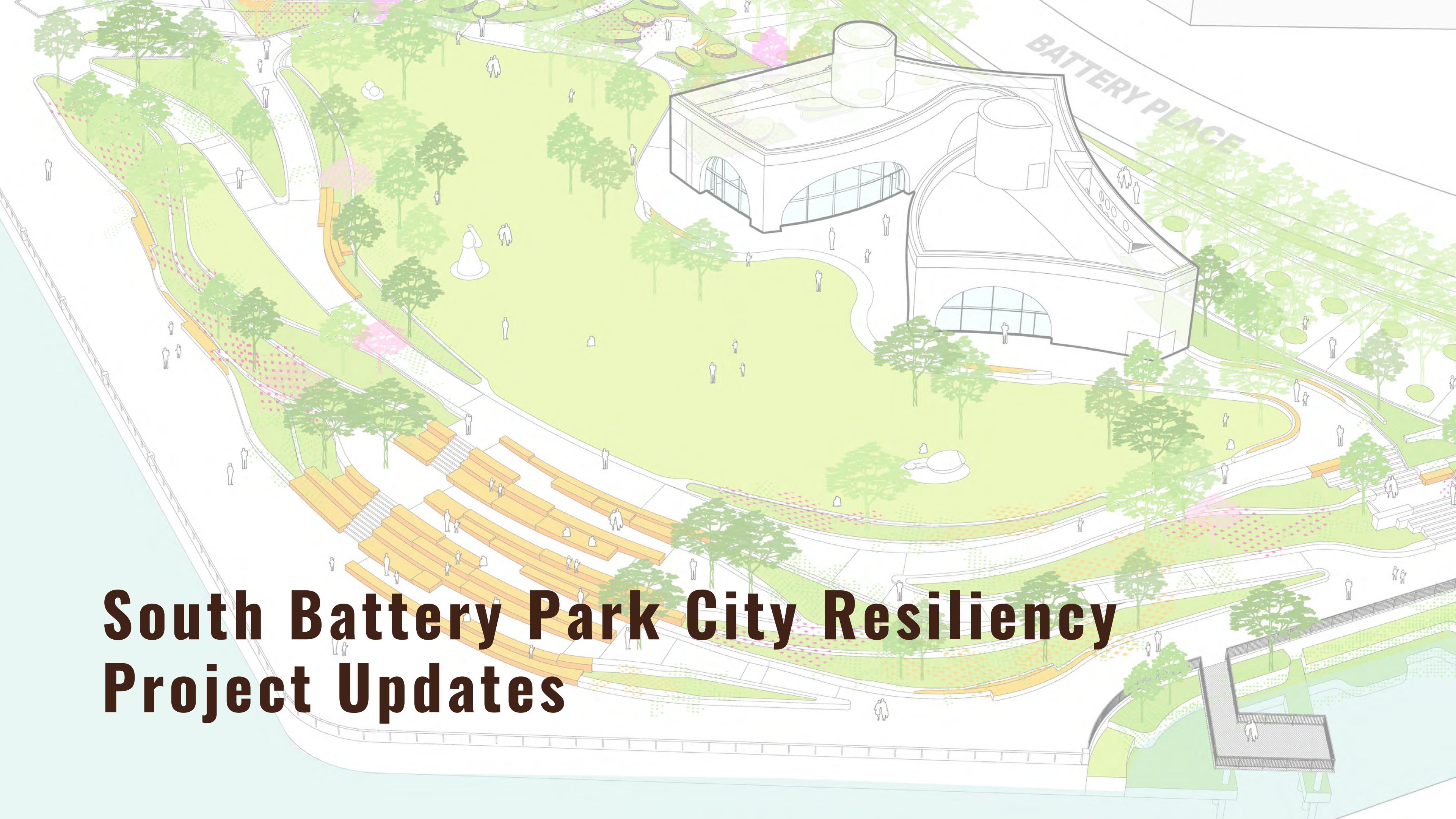
**Battery Park  
City Authority**

# **Battery Park City Resiliency Projects**



**LMCR Quarterly Update**

MAY 19, 2025



# South Battery Park City Resiliency Project Updates

# SBPCR: Construction Progress



Trees arrive onsite, and paver installation

# SBPCR: Construction Progress



Esplanade railing installation and Pier A inlet progress



# SBPCR: Construction Progress



Stone installation along Battery Place, and curtain wall installation in the pavilion

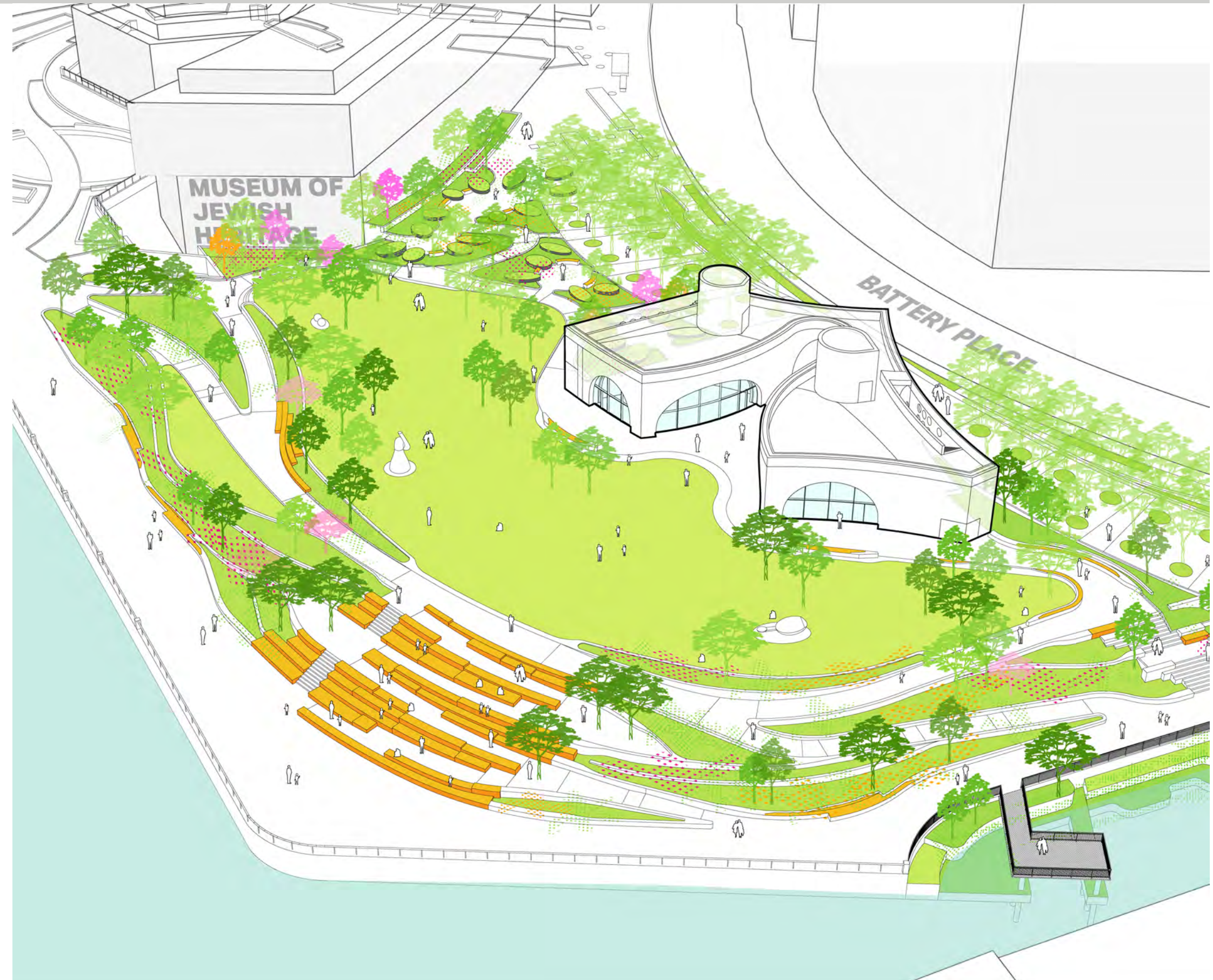
# SBPCR: Construction Progress

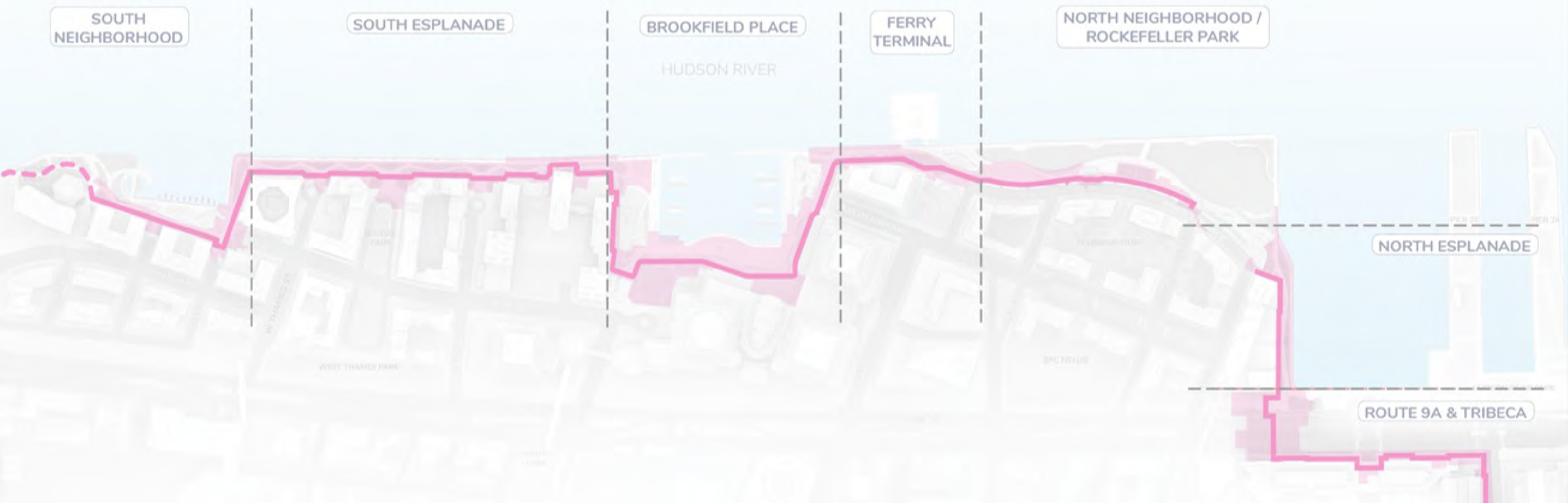


Tide Gate Chamber installation in Pier A Plaza, and watertight manhole cover installation

# SBPCR: Next Steps

- Wagner Park will be open to the public by late summer!
- Substantial completion on SBPCR by early 2026

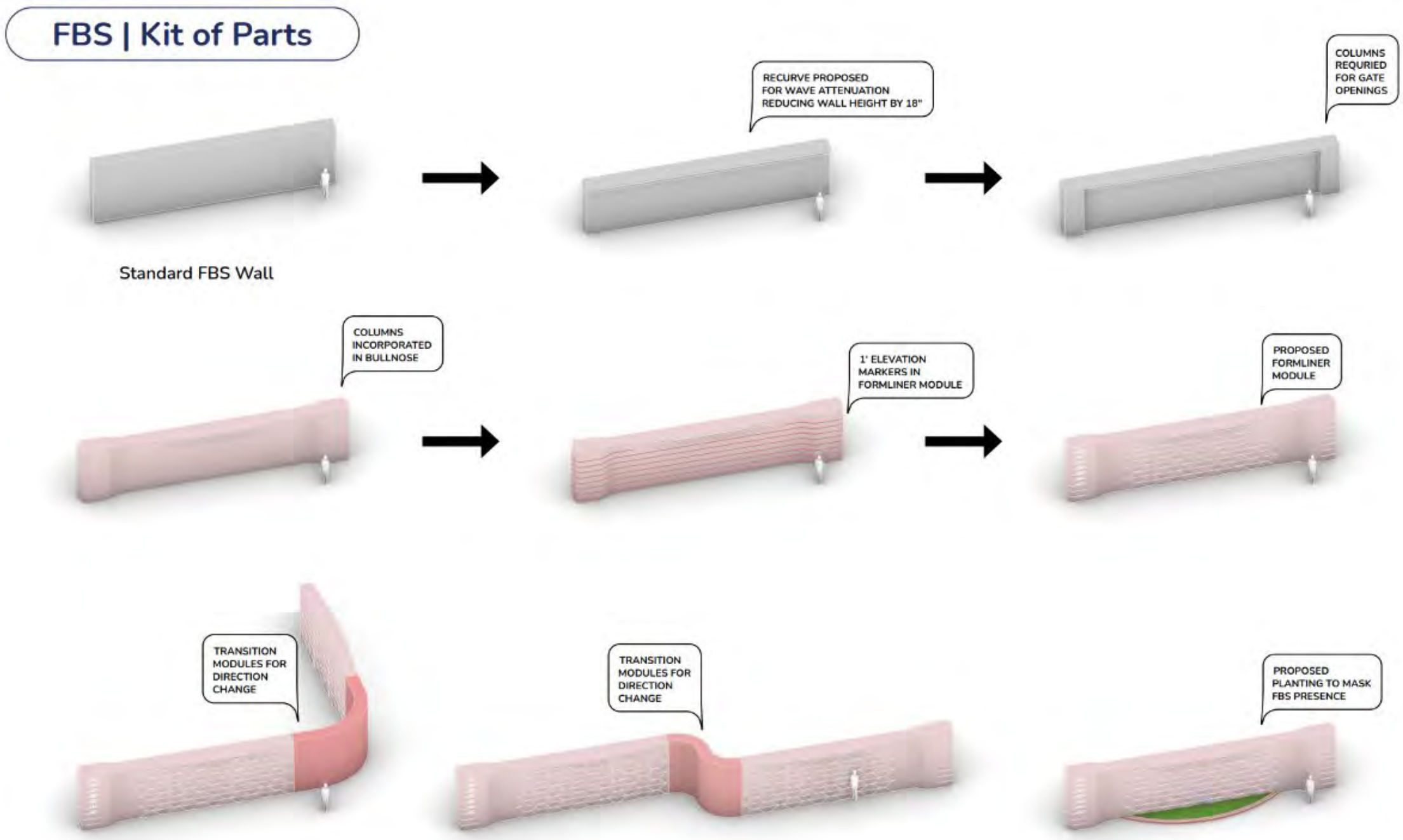




# North/West Battery Park City Resiliency Project Updates

# NWBPCR: PDC Review

- Ongoing discussion with PDC



# NWBPCR: Publication of FEIS

- Will be published the week of May 19



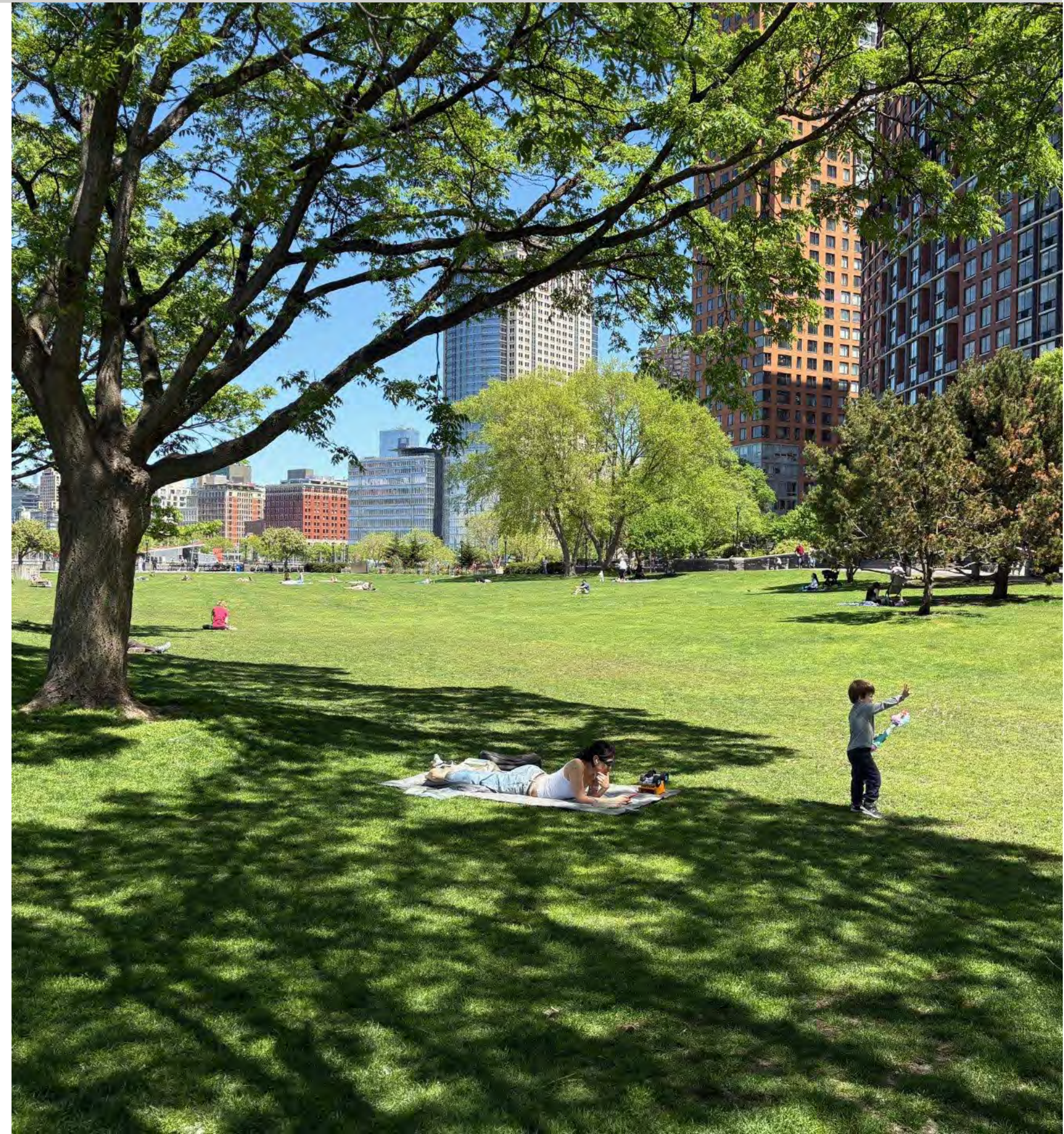
# NWBPCR: Building Outreach

- May 14: Liberty Terrace
  - May 20: Regatta
  - May 21: Hudson Tower
  - May 29: Gateway Plaza
  - June 3: Visionaire
- 
- To be Scheduled:
    - Hudson View West
    - 1 Rector Park
    - Riverwatch
    - South Cove Plaza
    - Liberty House
    - Battery Pointe
    - Brookfield
    - Tribeca Pointe
    - River and Warren
    - Solaire
    - Poets House
    - BPC Library



# NWBPCR: Next Steps

1. The goal is to **inform the community about on-going plans** and troubleshoot any items of concern
2. **Neighborhood Improvement Projects** to enhance public space during construction to begin Fall 2025
3. **Community Construction Liaison: Michael Ryan**
4. **Ongoing meetings with individual buildings**
5. **Next Community Touchpoint: Community Meeting in Fall 2025**



# Brooklyn Bridge-Montgomery Coastal Resilience Construction Update

CB1 Environmental Committee Meeting  
1 Centre Street  
May 19, 2025



# BMCR | Project Status

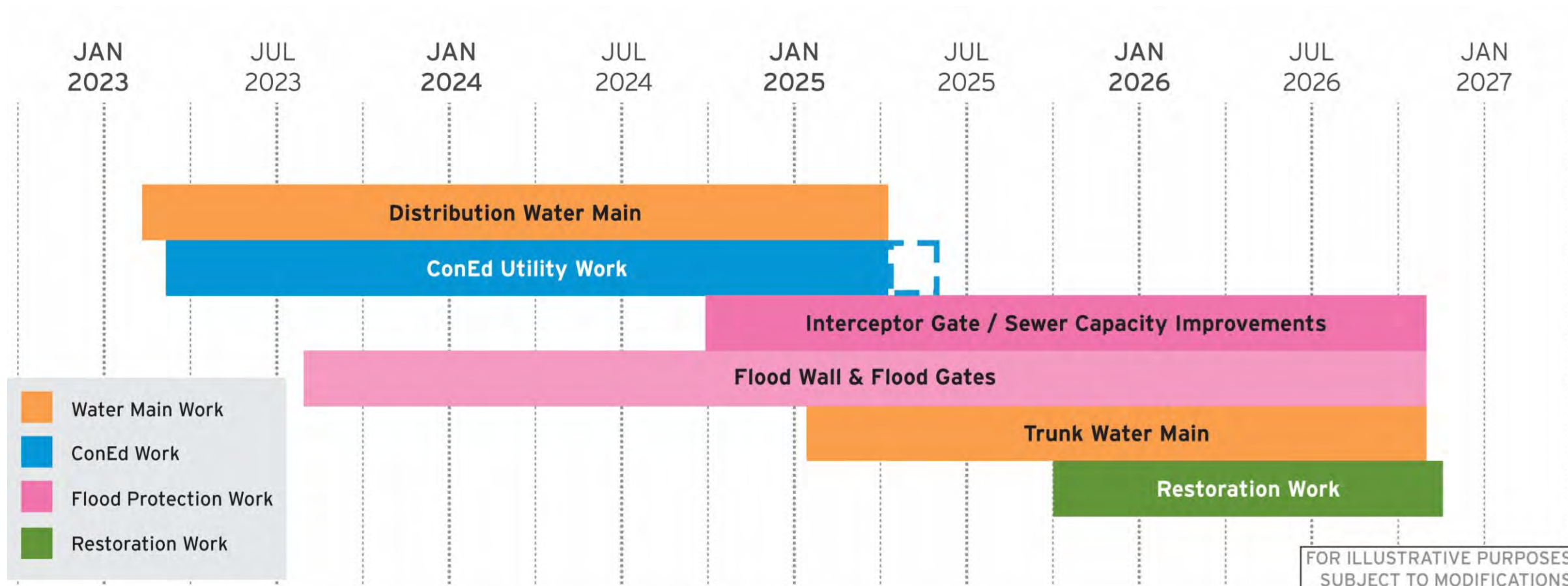
ALL WORK IS SUBJECT TO CHANGE

1. **Robert F. Wagner Place:** Interceptor Gate Building and floodwall construction
2. **South Street, from Robert F. Wagner Place to Pike Slip:** Utility installations and trunk water main installation
3. **South Street, from Pike Slip to Montgomery St.:** Utility work
4. **Esplanade:** Installation of flip up gates, floodgate drainage, micropiles, trunk water main, and landscaping foundations
5. **Pier 35:** Floodwall construction, drainage modification, and micropile installation  
*Pedestrian access via esplanade (closest entry from South Street is at Rutgers Slip)*



# BMCR | Project Timeline

ALL WORK IS SUBJECT TO CHANGE



# BMCR | Flip Up Gate Progress

ALL WORK IS SUBJECT TO CHANGE

- 9 of 24 flip-up gates installed
- 562 of 730 micropiles for floodgate foundations in place
- 514 of 1,830 linear feet of concrete floodwalls installed



*Flip up gate in closed position – March 2025*



*Flip up gate in open position – March 2025*

# BMCR | Flip Up Gate Demonstration

ALL WORK IS SUBJECT TO CHANGE

00:00:00



# BMCR | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Interceptor Gate Building foundation installed, utility installations – May 2025



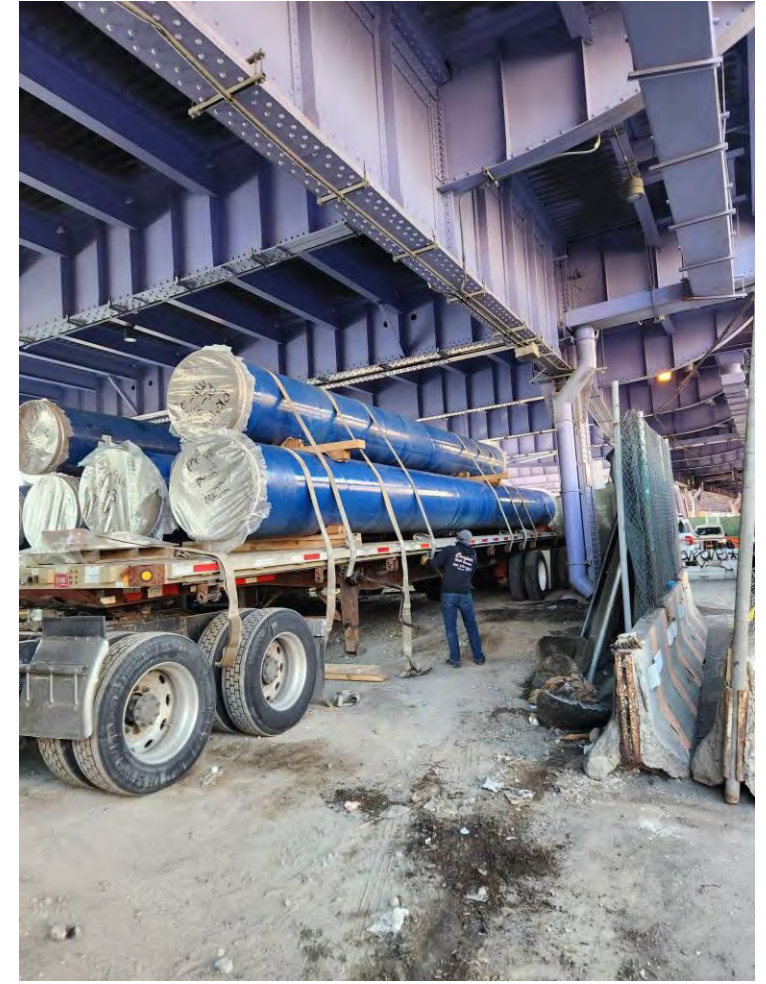
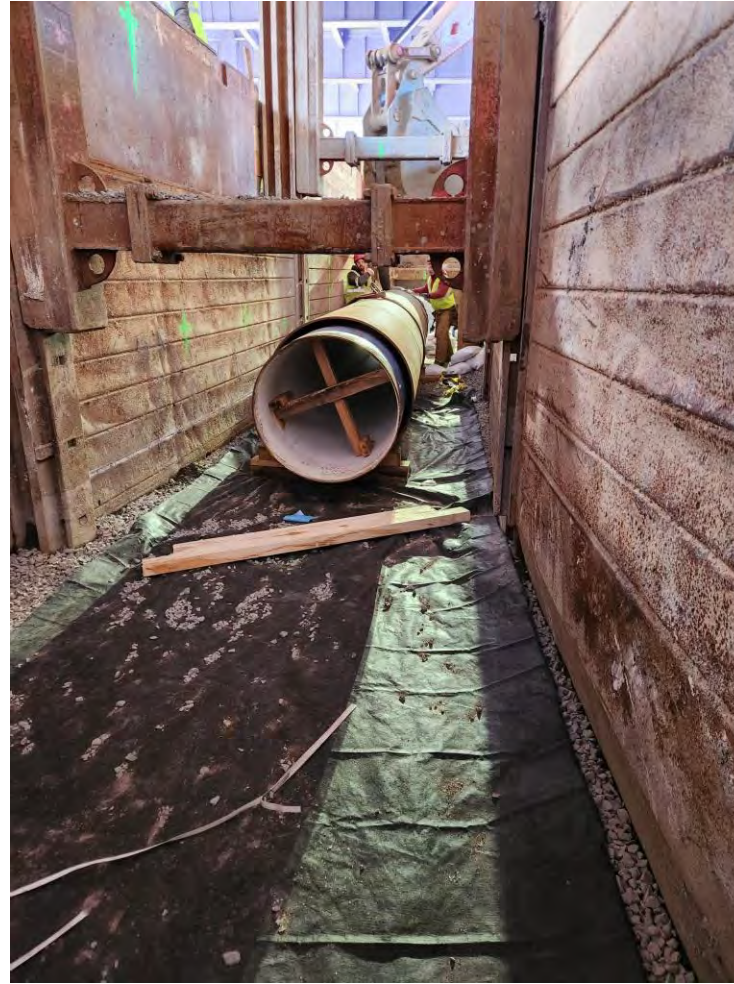
Interceptor Gate Building renderings

# BMCR | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



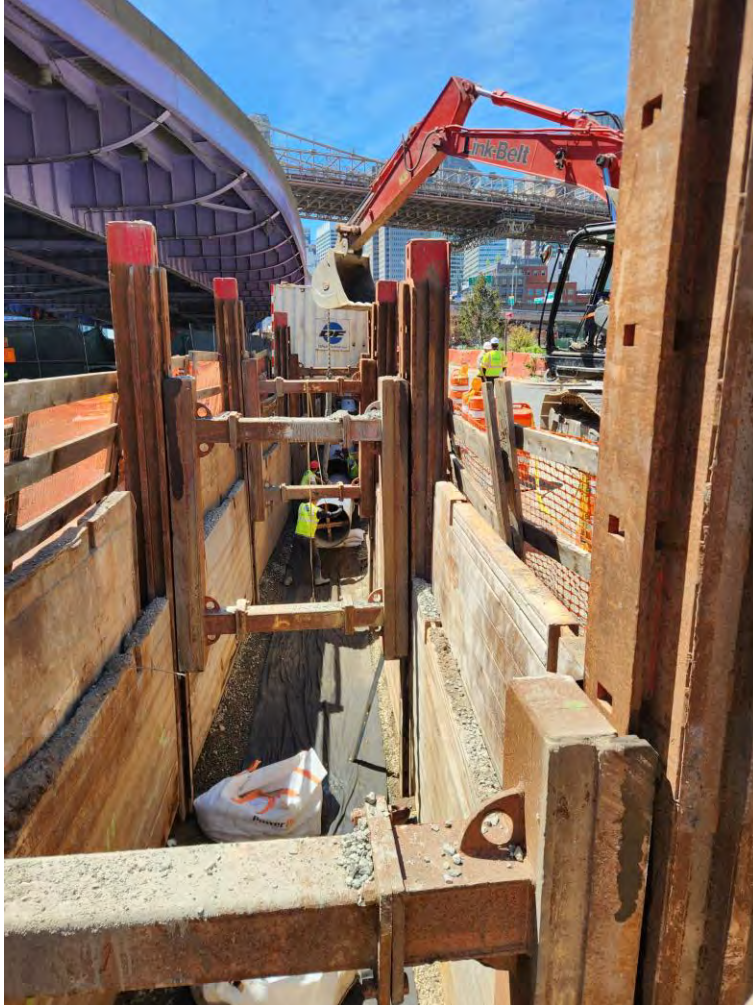
Trunk water main installation under FDR Drive – February 2025



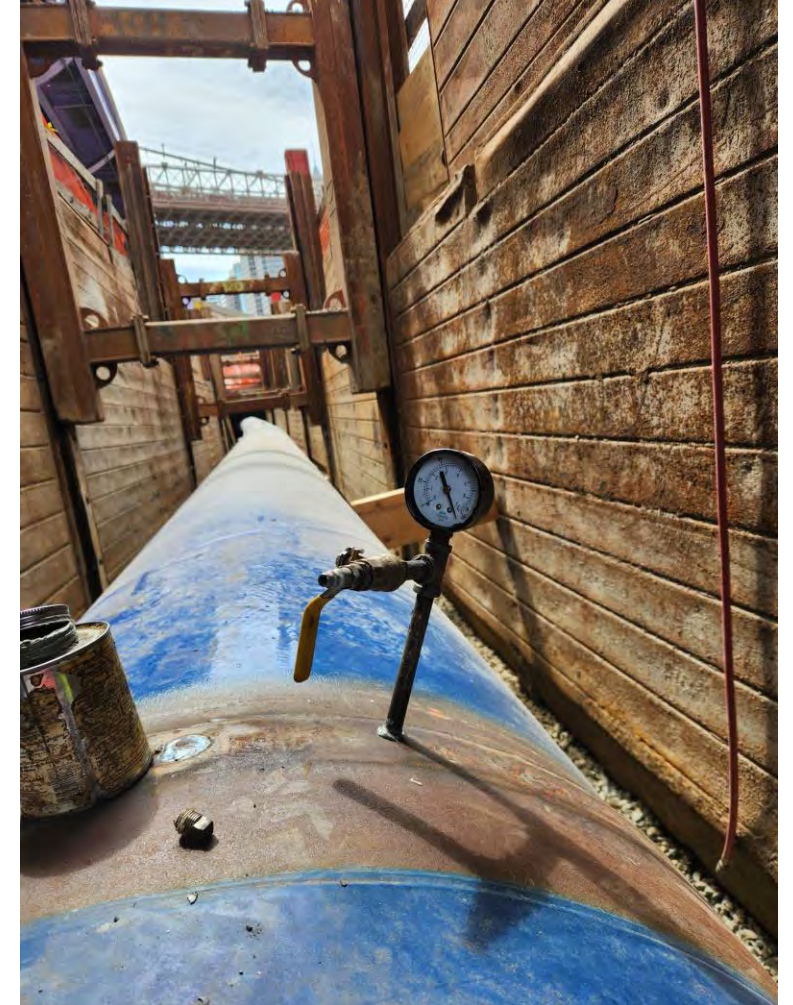
Trunk water main materials delivered to site – March 2025

# BMCR | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Trunk water main installation on South Street – April 2025



Trunk water main installation on South Street – May 2025

# BMCR | Call for Art

Celebration for artists on Tuesday, June 10

- 4pm to 5pm
- Two Bridges Tower Community Room at 82 Rutgers Slip

Mesh art panels to be installed in June on South Street, Robert F. Wager Sr. Place, and esplanade



**Brooklyn Bridge -Montgomery Coastal Resilience**  
**CALL FOR ART**

In Fall and Winter 2024, the Brooklyn Bridge-Montgomery Coastal Resilience (BMCR) project invited residents and students of the Two Bridges neighborhood to submit art related to resiliency and community to the BMCR Call for Art program. Artists responded to the following themes:

- What does New York City mean to you?
- What makes the Lower East Side / Two Bridges great?
- Why is it important to protect NYC from climate change?
- What does climate resiliency mean to you?

For more information, and to view all selected works of art, please visit our website at [nyc.gov/BMCR/art](https://nyc.gov/BMCR/art).

**Launched**  
Dianne F. Talan




**NYC DDC** **NYC/EDC** **NYC Parks** **NEW YORK CITY DOT** **NYC Environmental Protection** **NYC Mayor's Office of Climate & Environmental Justice**

BROOKLYN BRIDGE-MONTGOMERY COASTAL RESILIENCE | [NYC.GOV/BMCR](https://nyc.gov/BMCR) | BROOKLYN BRIDGE-MONTGOMERY COASTAL RESILIENCE | [NYC.GOV/BMCR](https://nyc.gov/BMCR)



**Our Neighborhood is Magical**  
Ella Yu

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**Sunset View**  
Milo Tang O'Reilly

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# BMCR | What We've Heard

## Signage & Access:

- Increasing informational signage on South St. and esplanade
- Improvements to weekly bulletin map in process
- Timeline posted to website

## Dust Mitigation:

- Debris and excavated material removed daily or covered when they remain overnight
- All clean fill brought to site is covered at the close of each workday
- Increased wet street sweeper vacuum & manual watering frequency
- Truck drivers reminded to cover loads while traveling in/out of site



# BMCR | Resources

- Visit Us: <https://www.nyc.gov/bmcr>
- Community Construction Liaison:
  - Marsha Guido  
347-538-4266  
Email: [bmcr.ccl@gmail.com](mailto:bmcr.ccl@gmail.com)
- Tabling in the Community
- CB 3 Parks Meetings
- On-site signage
- Inquiry tool and email updates:

<https://www.nyc.gov/bmcr/contact>



Tabling event - 2023



Advisories posted on-site

**NYC Lower Manhattan Coastal Resiliency**

Background Progress Resources Get Involved Search

## Brooklyn Bridge-Montgomery Coastal Resilience

[Brooklyn Bridge-Montgomery Coastal Resilience](#)

**The Battery Coastal Resilience**

**Interim Flood Protection Measure (IFPM)**

**Battery Park City Resilience Projects**

**The Financial District and Seaport Climate Resilience Master Plan**

**Seaport Coastal Resilience**

**Brooklyn Bridge-Montgomery Coastal Resilience**

In the Two Bridges neighborhood, the Department of Design and Construction (DDC) will install a combination of flood walls and deployable flip-up barriers to protect the neighborhood from a 100-year storm surge in the 2050s, while also maintaining access and visibility to the waterfront. New York City Economic Development Corporation (NYCEDC) led the design for the project, which will extend along the waterfront from the Brooklyn Bridge to Montgomery Street. EDC completed design in fall of 2021 and DDC is now managing the construction of BMCR.

This project will reduce flooding risk – from both sea level rise and storm surge – for thousands of residents, while continuing to preserve views and access to the waterfront. These deployable barriers will be permanent infrastructure, hidden until they are flipped up in the event of a storm. The location of the flood walls and posts has been designed to minimize conflict with subsurface infrastructure and to maximize integration of public space amenities such as open-air seating, fitness equipment, and athletic courts.

**Explore the headings below for more information about BMCR and the status of construction:**

Learn more about the NYCEDC design phase: [NYCEDC LMCRC](#)

The same waterfront that the community enjoys when weather is good...

...transforms into critical flood protection during major flooding events.

**Learn More about BMCR**

- About
- Construction Notices
- Presentations
- Newsletters
- Gallery
- Community Engagement
- Contact
- FAQs

