

SOUTH BATTERY PARK CITY RESILIENCY **COMMUNITY ENGAGEMENT**

NOVEMBER 1, 2018

AGENDA

1. YOUR TEAM

2. PURPOSE, NEED, + BACKGROUND

3. SITE OVERVIEW

4. RESILIENCY MEASURES

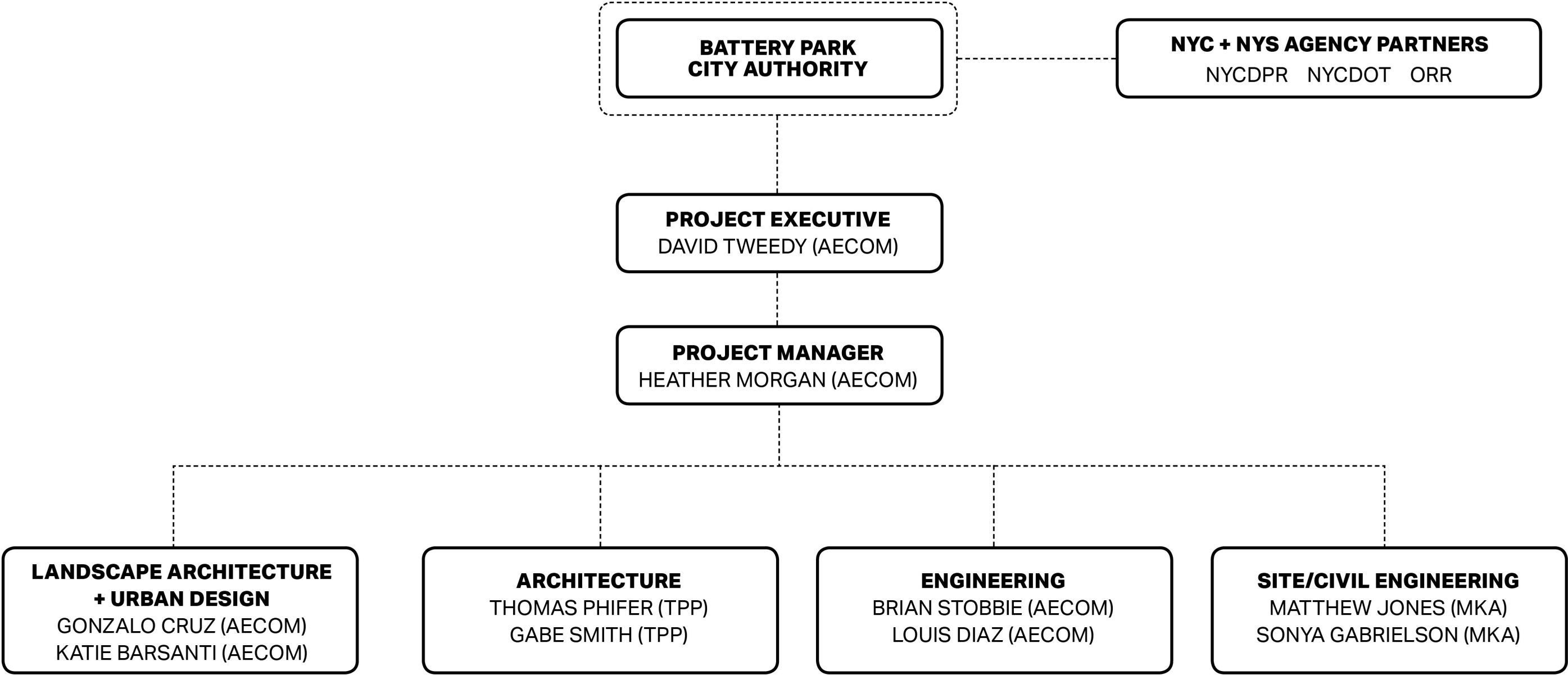
5. KEY CONSIDERATIONS

6. Q+A + ACTIVITY

7. NEXT STEPS

1 **YOUR**
TEAM

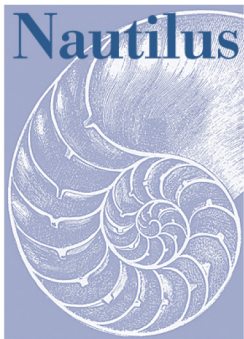
YOUR TEAM



TEAM SUPPORT



land art generator initiative



Thomas Phifer and Partners



YOUR TEAM | PRESENTERS



PRESENTER

HEATHER MORGAN, RLA
AECOM
PROJECT MANAGER



PRESENTER

GONZALO CRUZ
AECOM
LANDSCAPE ARCHITECTURE
+ URBAN DESIGN



PRESENTER

GABE SMITH
THOMAS PHIFER & PARTNERS
ARCHITECTURE



PRESENTER

BONNIE HARKEN
NAUTILUS INTERNATIONAL DEVELOPMENT CONSULTING
SUSTAINABLE WATERFRONT DEVELOPMENT

YOUR TEAM | AECOM

ABOUT US

- Multi-disciplinary design team that implements the balance of disciplines
- Thrives at intersection of flood risk management and urban integration for climate adaptation
- Robust experience in local multi-purpose and large scale urban coastal resiliency projects
- Extensively studied flood barrier technologies and approaches to flood reduction
- 40+ years of providing technical support and design services to FEMA and USACE

PROJECT SCOPE

- Lead consultant for conceptual design through construction documents of a comprehensive flood risk alignment, public park system, and pavilion
- Resiliency measures integrated within public park system
- Landscape architecture, architecture, and engineering services for meeting the design legacy
- Community engagement lead for the project
- Flood alignment FEMA certification/accreditation as an independent utility
- Operations and maintenance manual for the entire flood alignment system



YOUR TEAM | THOMAS PHIFER AND PARTNERS

ABOUT US

- Our design excellence projects marry spirited contemporary architecture with the landscape and maximize sustainability
- We collaborate with clients and stakeholders to support their vision and amplify benefits to the public
- We integrate light and timeless materials with contemporary technology

PROJECT SCOPE - PAVILION

- Confirm Building Program and develop Concept Design
- Prepare Schematic Design and Design Development documents
- Produce Construction Documents and LEED documentation
- Review Bids and assist in contractor selection/negotiations
- Observe Construction and review architectural submittals
- Provide general planning and design guidance for the team
- Part of design development through all architecture elements in project area



YOUR TEAM | MKA

ABOUT US

- Brings deep experience in site/civil engineering for world class public spaces
- Comprehensive stormwater management, residual flooding, sewer and interior drainage analysis with AECOM engineers
- Has the knowledge to incorporate large-scale civil infrastructure improvements
- Has an unique capability to synthesize the poetic ambitions of landscape architects and planners with the pragmatic needs of hard engineering to arrive at beautiful, multi-functional public spaces.

PROJECT SCOPE

- Engineering design that seamlessly blends the hard engineering with the landscape and urban realm
- Sensitive grading design that provides connectivity and accessibility, protects the pavilion and critical infrastructure, and addresses localized drainage issues
- Low impact stormwater management that cleanses site runoff and softens edge



YOUR TEAM | NAUTILUS INTERNATIONAL DEVELOPMENT CONSULTING

ABOUT US

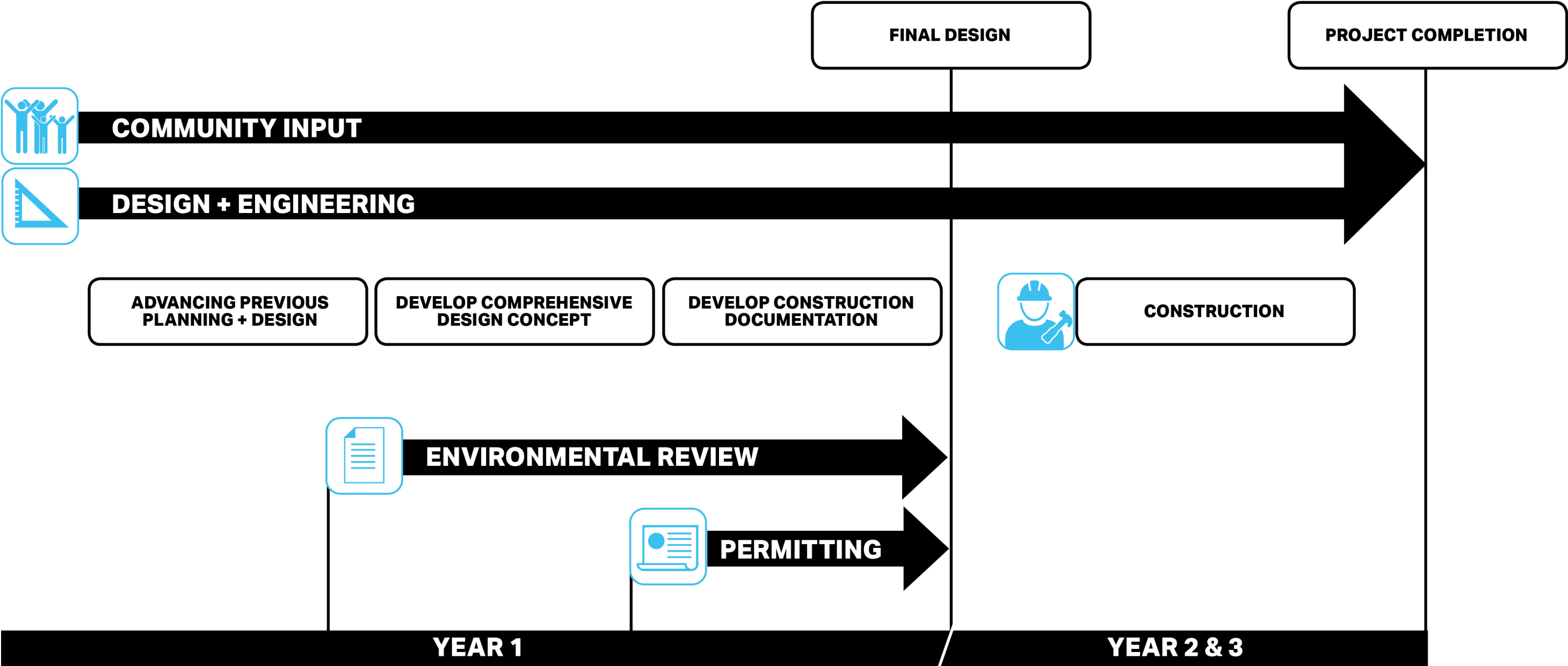
- Brings cross-disciplinary expertise in urban design and public policy, and specializes in resilient urban waterfronts
- Sustainable waterfront development consultant, including proactive climate change strategies
- Experience working on numerous projects, such as the esplanade and design guidelines in Battery Park City

PROJECT SCOPE

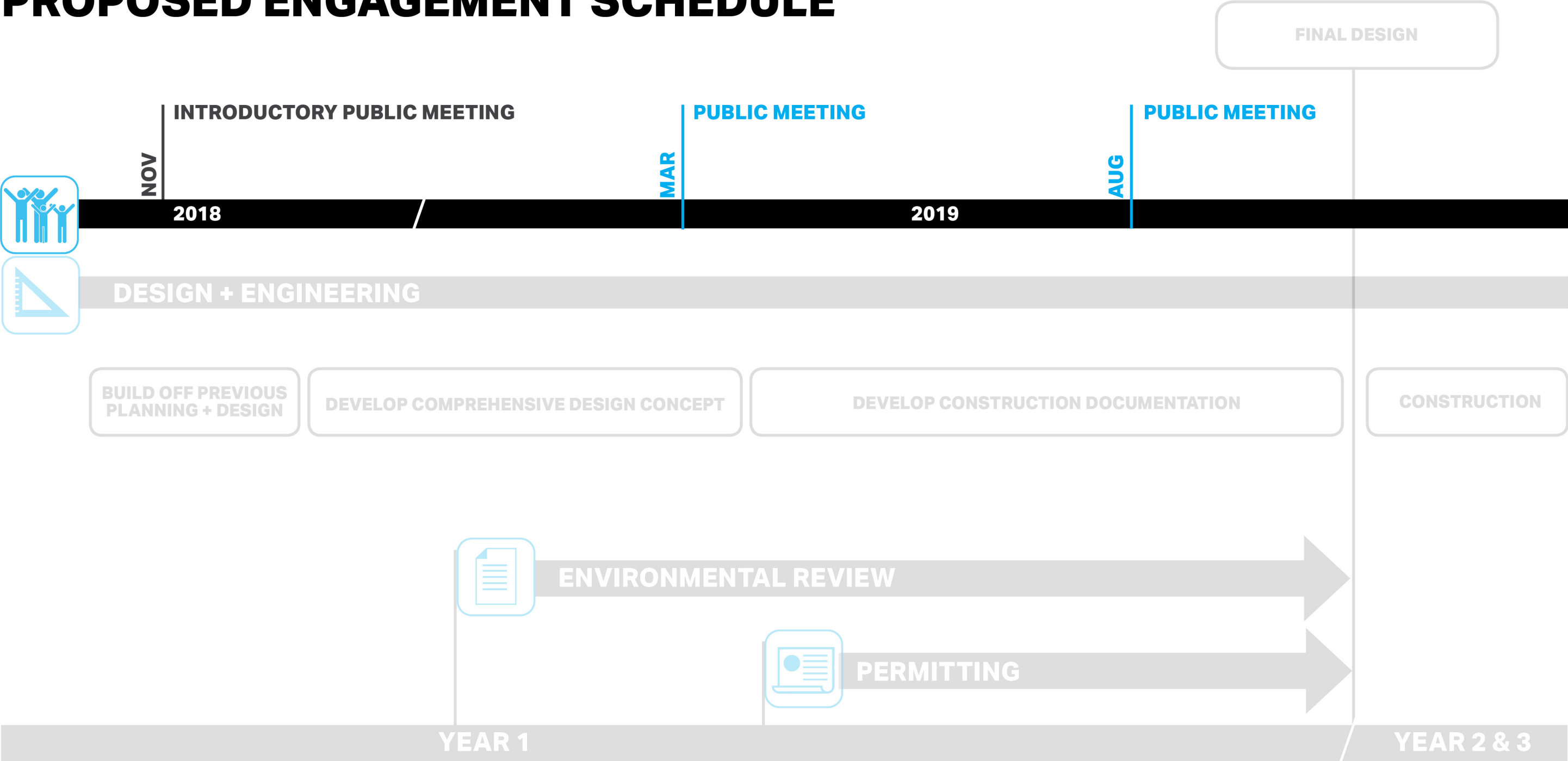
- Bring detailed knowledge to help drive proactive climate change solutions and the connections between open spaces in Battery Park City, the historic Battery, and New York Harbor.



PROJECT PROCESS



PROPOSED ENGAGEMENT SCHEDULE



2 **PURPOSE + NEED** **+ BACKGROUND**


PROJECT PURPOSE

- 1. Prioritize resiliency while respecting the intrinsic character of the overall site**
- 2. Engage with the community on needs and priorities**
- 3. Develop an implementable design concept through construction**
- 4. Acquire FEMA certification/accreditation**

PROJECT BACKGROUND

1855

Landfill is used to connect Castle Garden (Clinton) to the mainland



1968

The Battery Park City Authority was established to manage development of the Hudson shoreline



1976

The 92 acre landfill on which Battery Park City rests was completed



1991

Machado and Silvetti Associates, Landscape Architect Laurie Olin and Horticulturist Lynden Miller became the team awarded the design of Wagner Park. It opened to the public and became a popular place among residents and visitors to play, picnic, and relax



1994

The Battery Conservancy is founded to rebuild and revitalize The Battery after in 1986, a new master plan was approved.

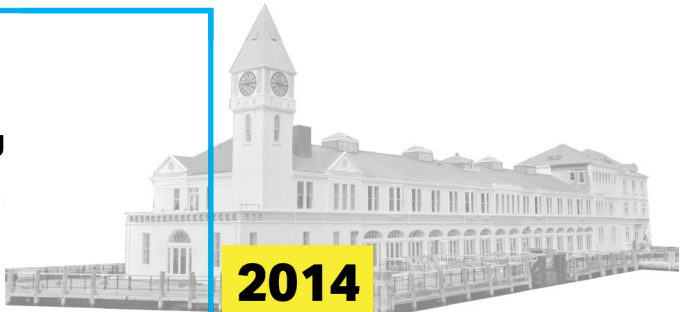


Hurricane Sandy hits with deadly force, with surges reaching 14' at The Battery



2014

Pier A opens to the public 130 years after it was originally completed to serve the NYC Department of Docks and Harbor Police



TODAY



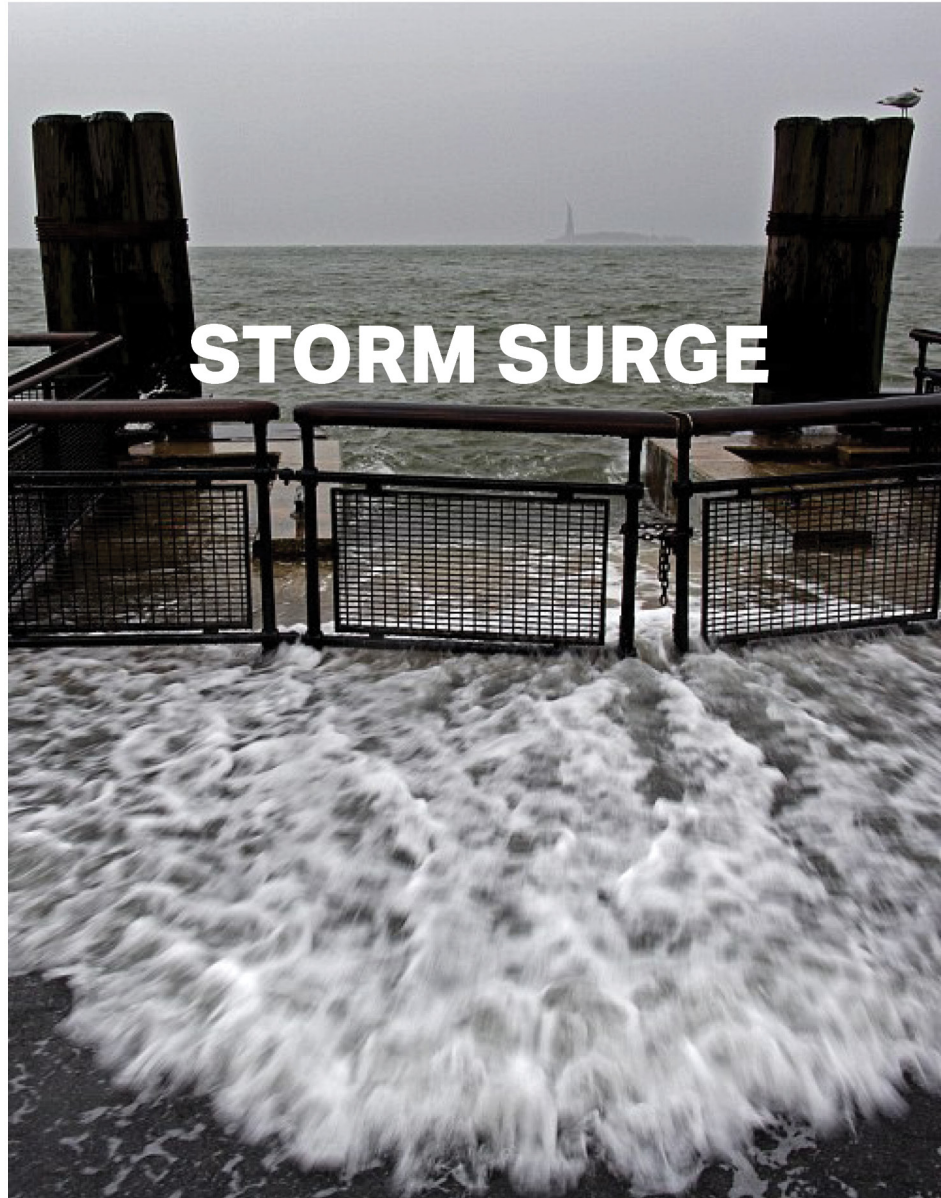
DOWNTOWN DESTINATION

The project area is an important waterfront access point that provides an array of programmatic uses for all.



CLIMATE CHANGE + 21ST CENTURY THREATS

Increased impacts from and frequency of weather events, coupled with rising sea levels, means that a changing Manhattan is inevitable.



3 SITE OVERVIEW

THE SITE



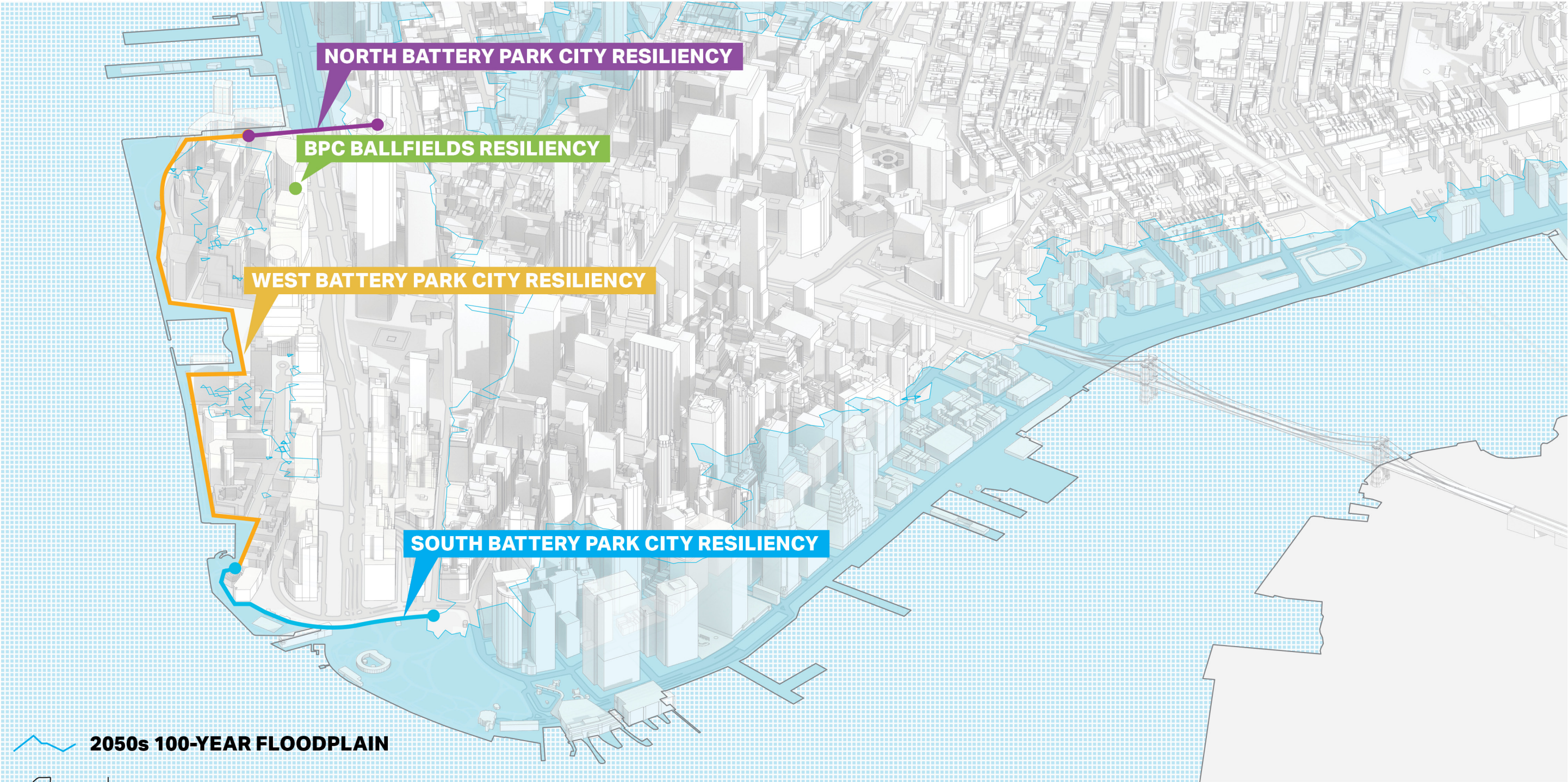
SOUTH BATTERY PARK CITY RESILIENCY

2050's 100-YEAR FLOODPLAIN

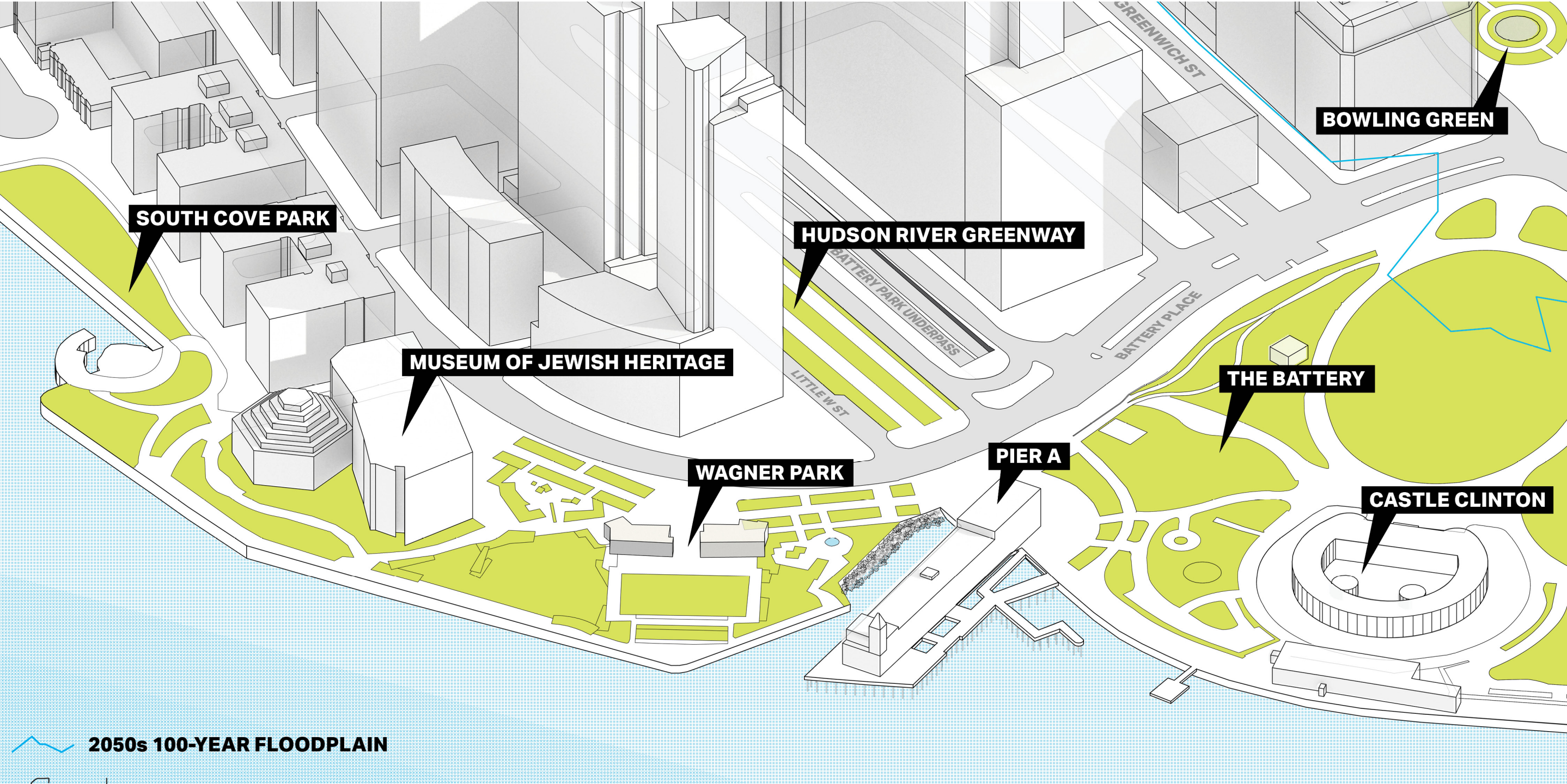


SOURCE: NEW YORK PANEL ON CLIMATE CHANGE (NPCC)

RESILIENCY MEASURES | BATTERY PARK CITY

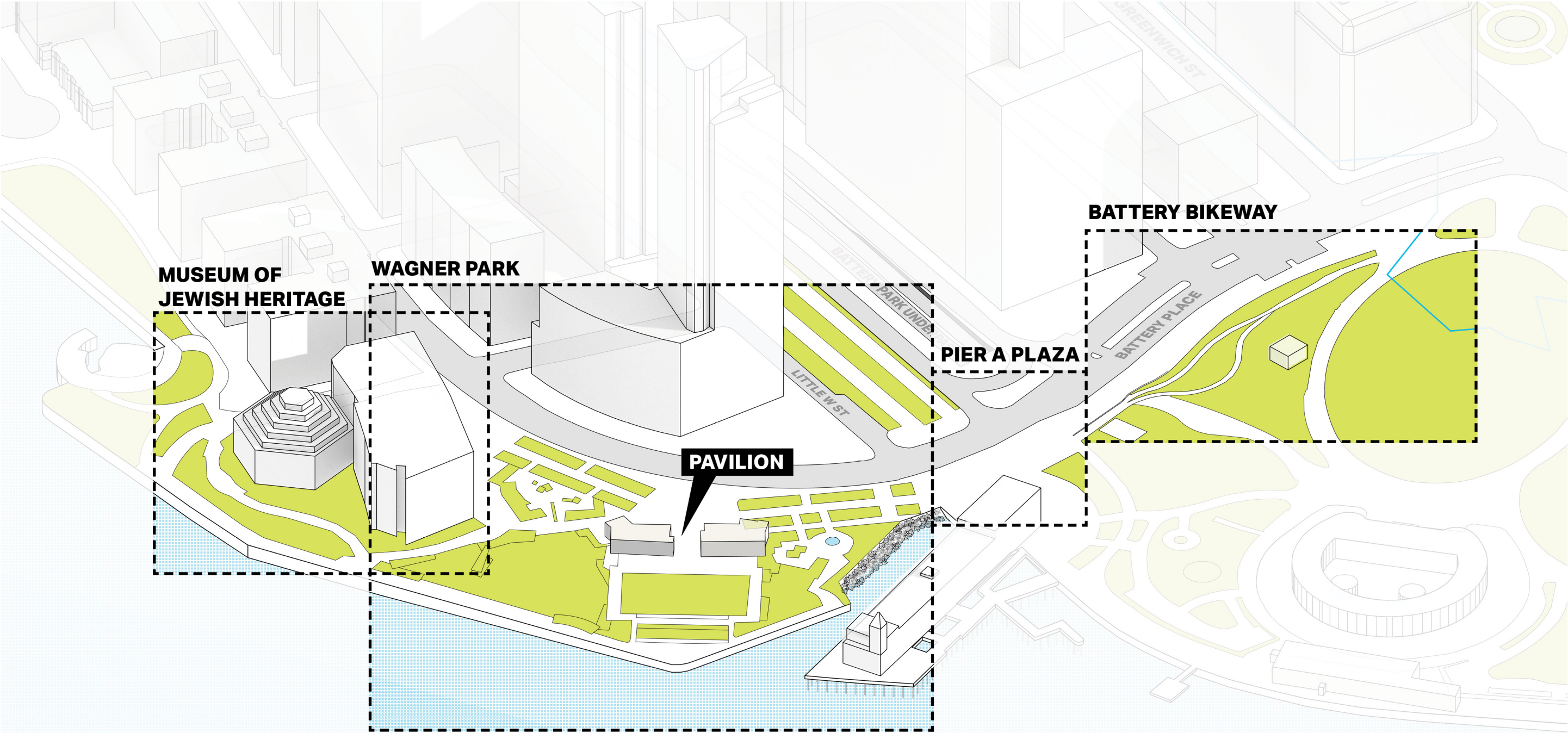


PROJECT AREA

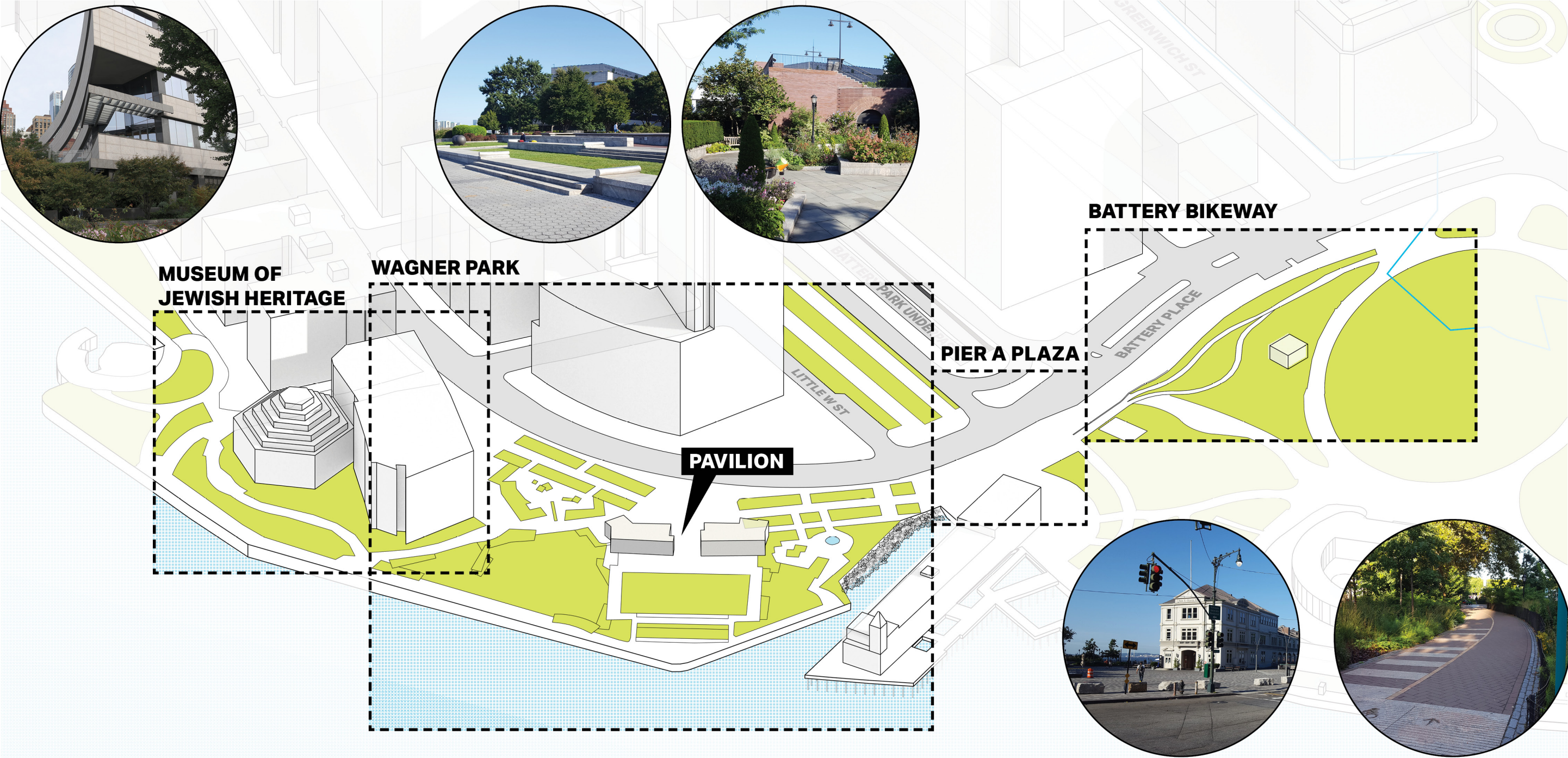


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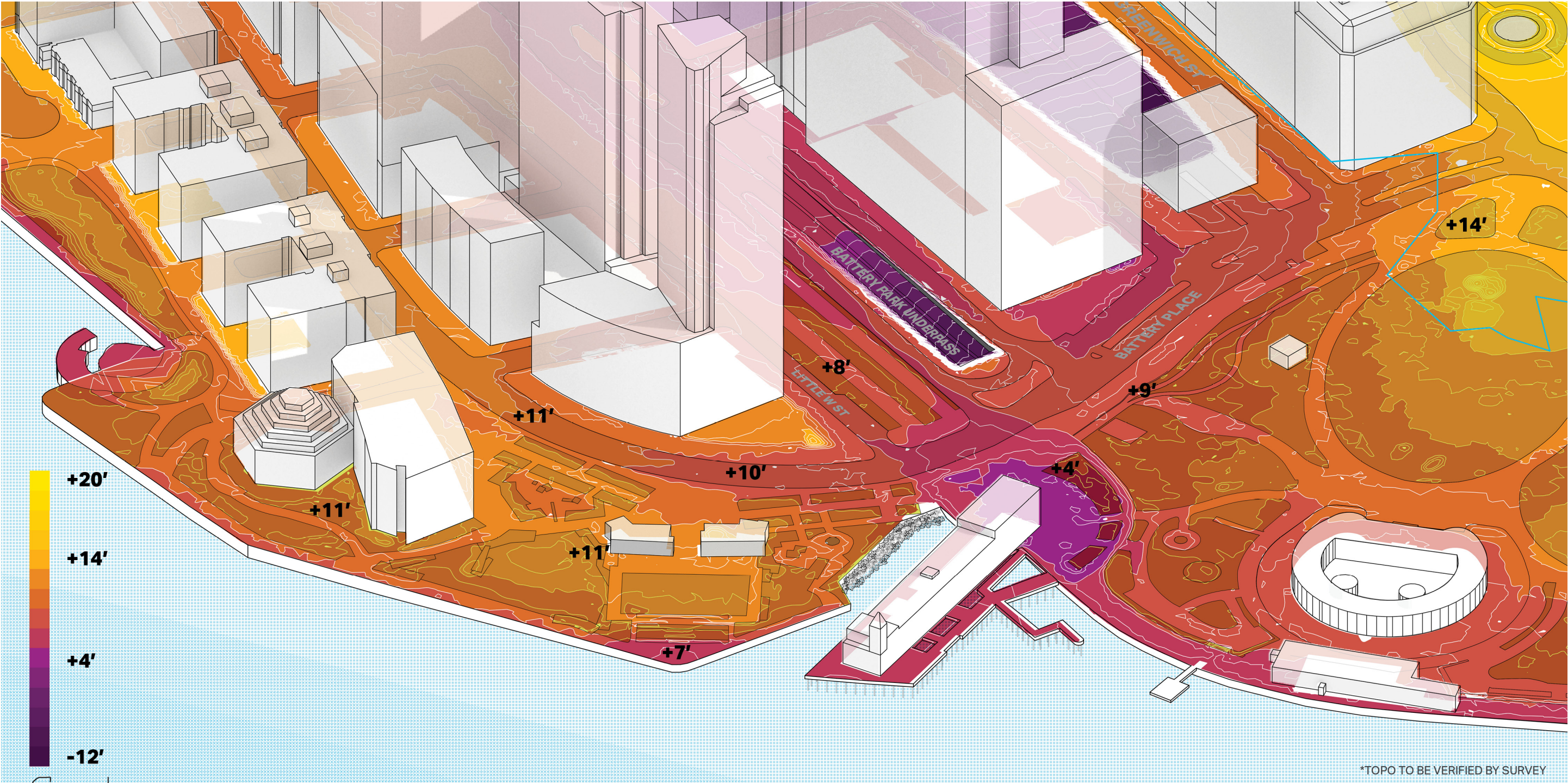
FOCUS AREAS



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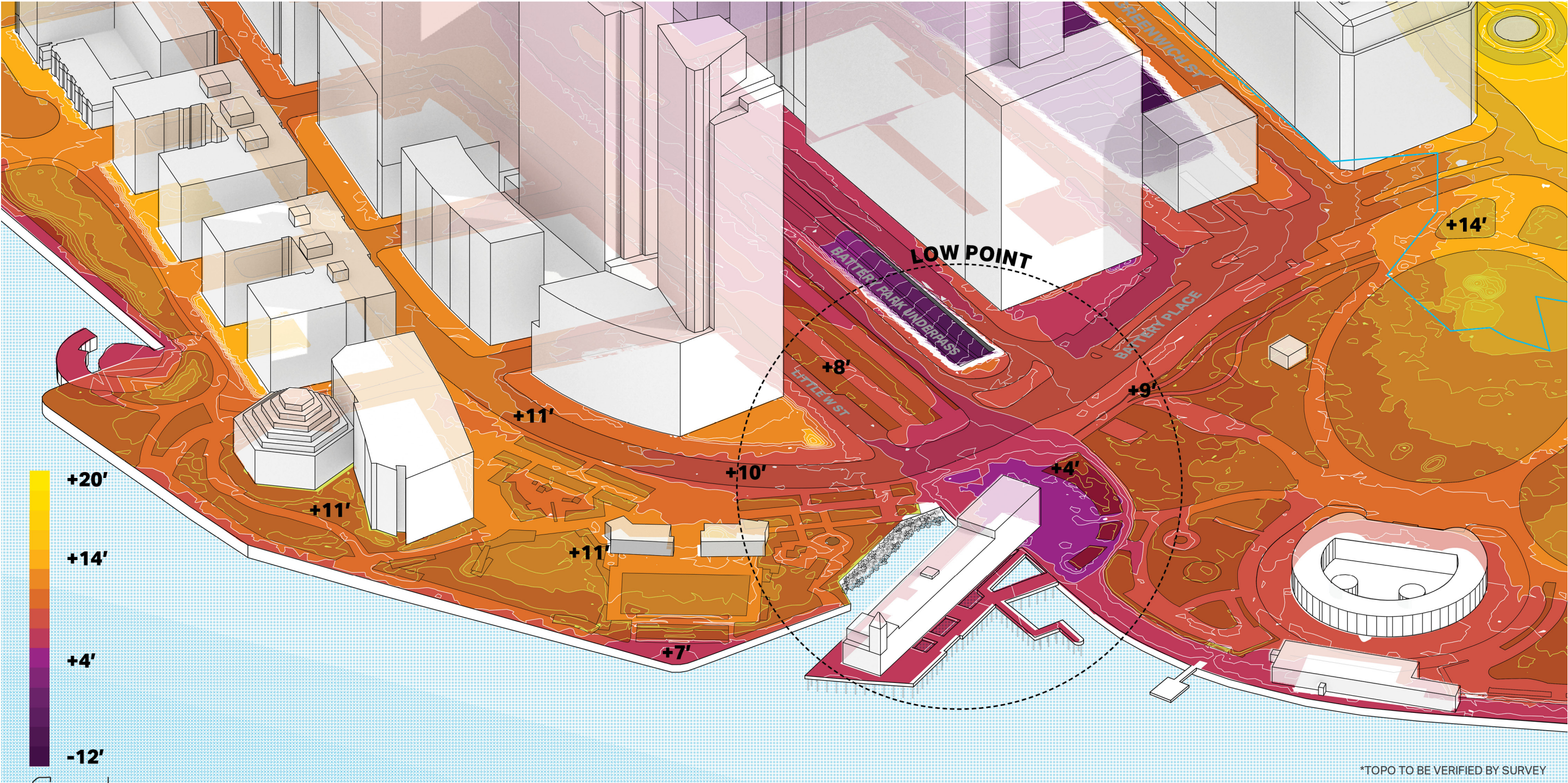


TOPOGRAPHY

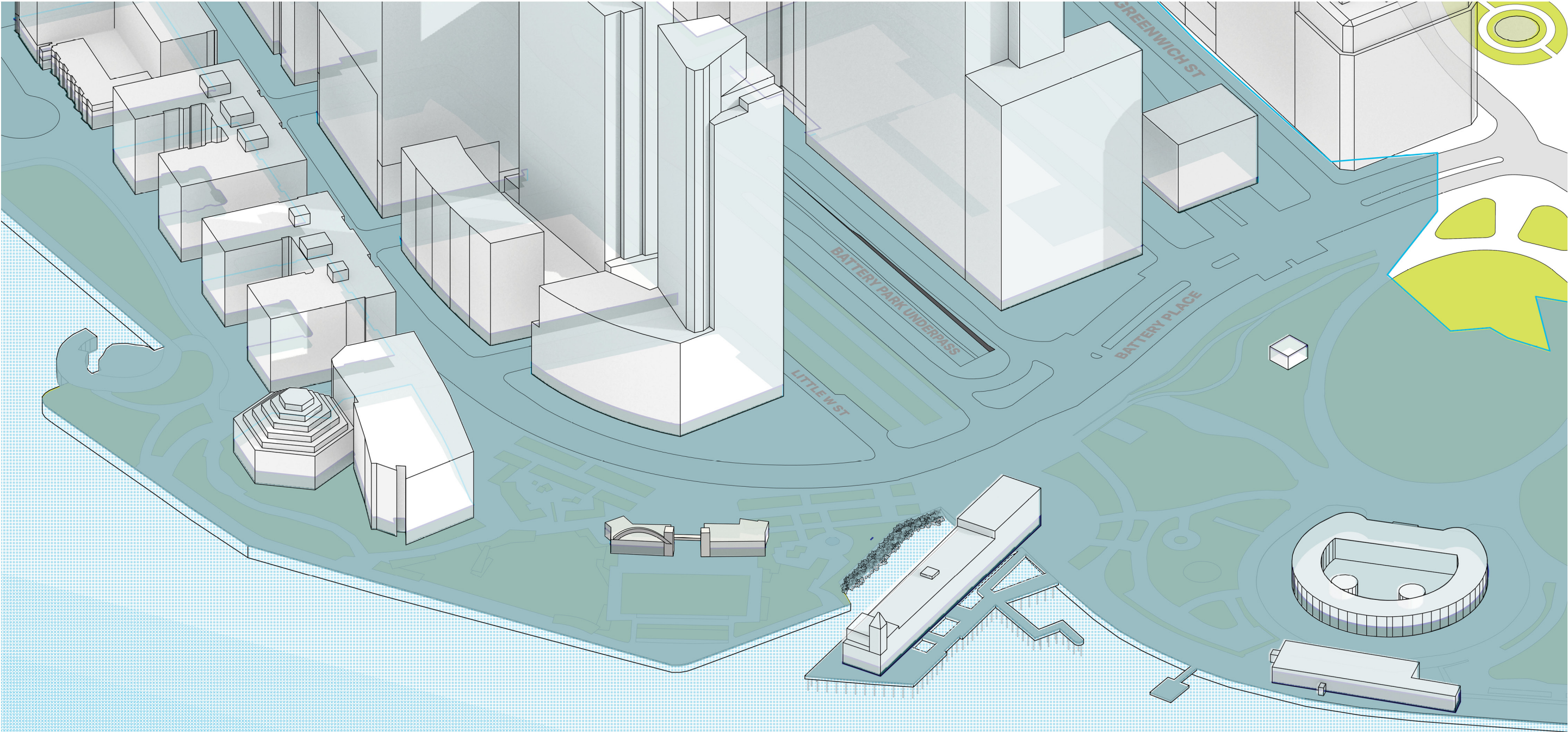


*TOPO TO BE VERIFIED BY SURVEY

TOPOGRAPHY | LOW POINT

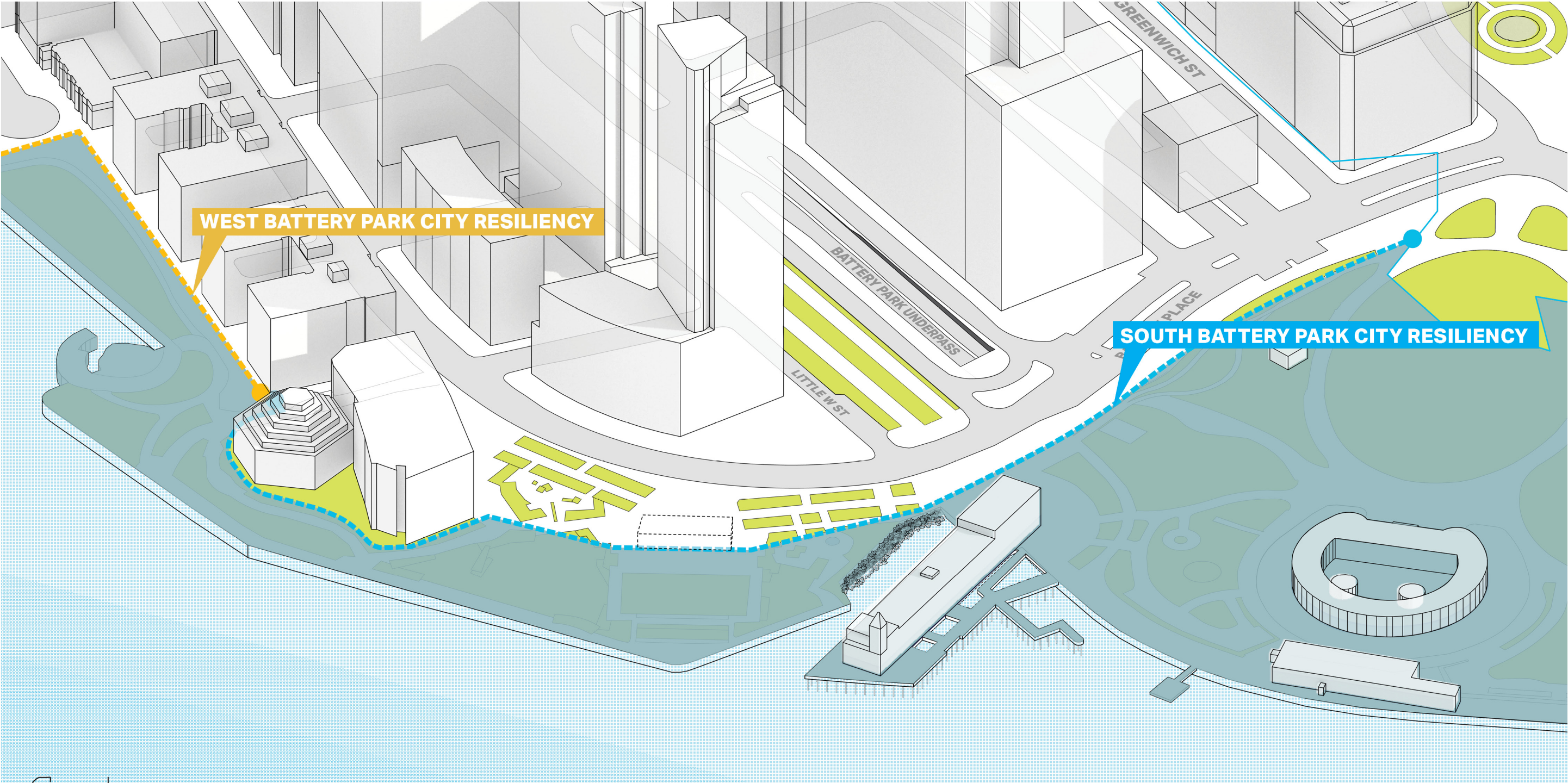


2050's 100-YEAR FLOODPLAIN



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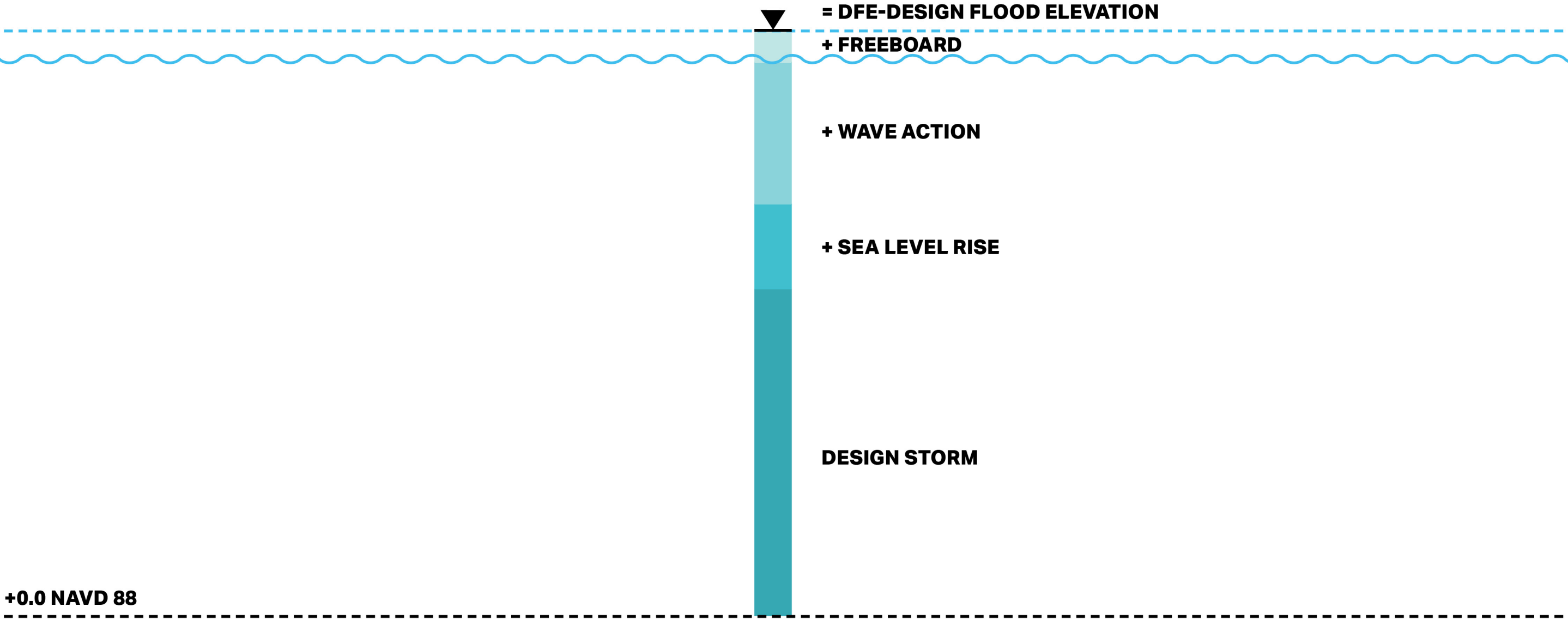
2050's 100-YEAR FLOODPLAIN | INTEGRATED FLOOD REDUCTION



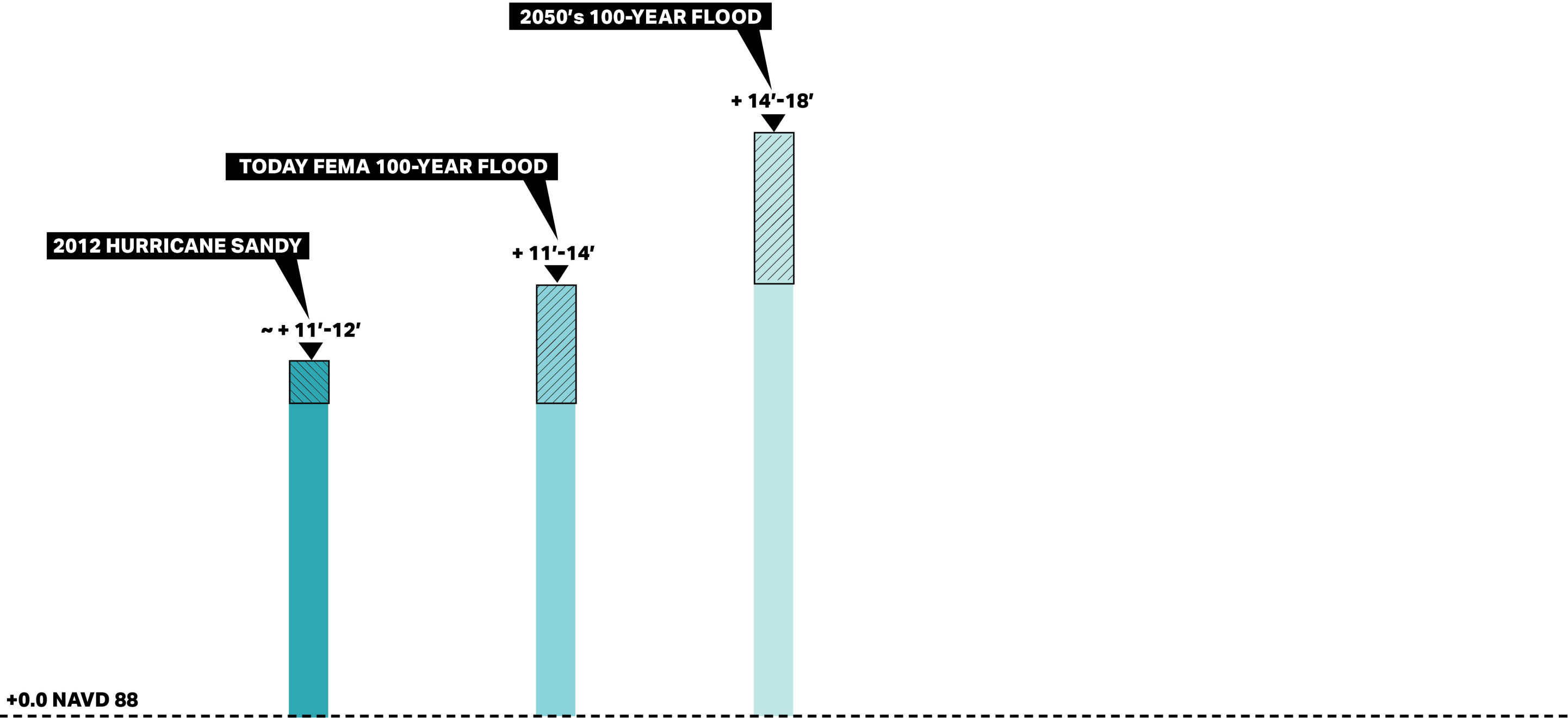
4 RESILIENCY MEASURES

DESIGN FLOOD ELEVATION (DFE)

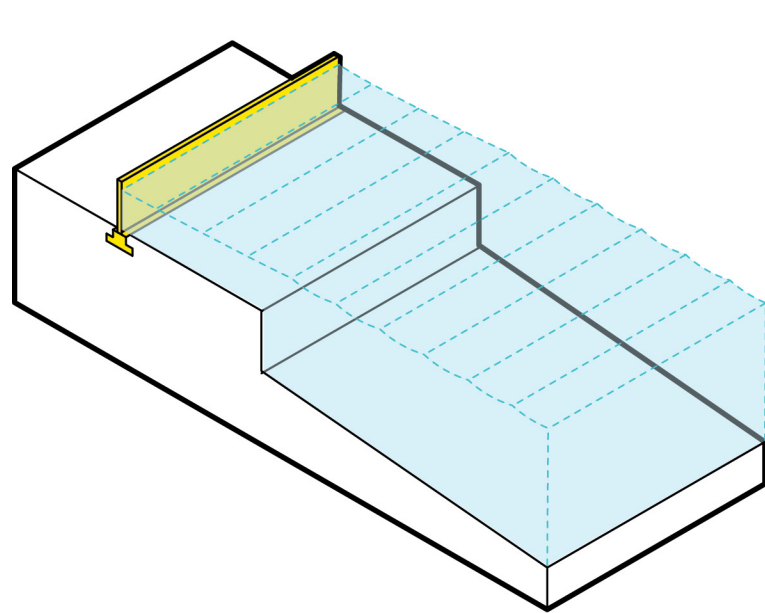
DESIGN STORM : 2050s 100 YEAR FLOOD



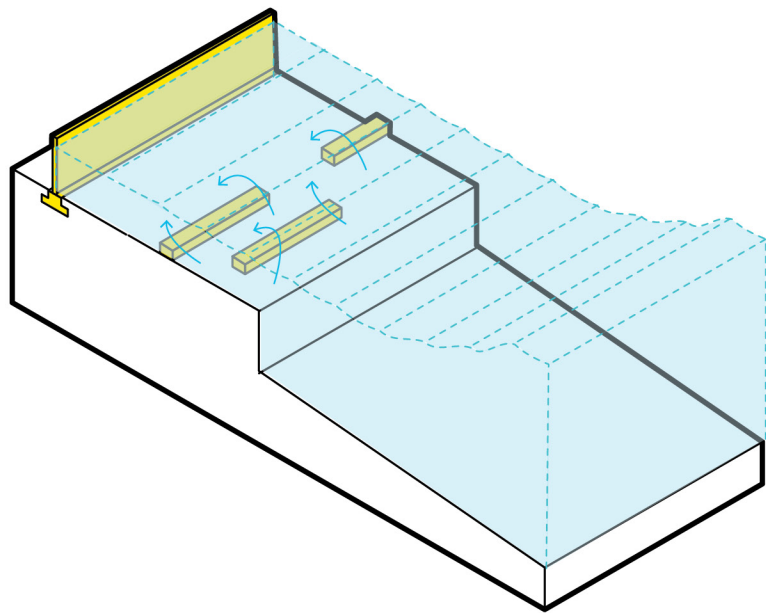
DESIGN FLOOD ELEVATION (DFE)



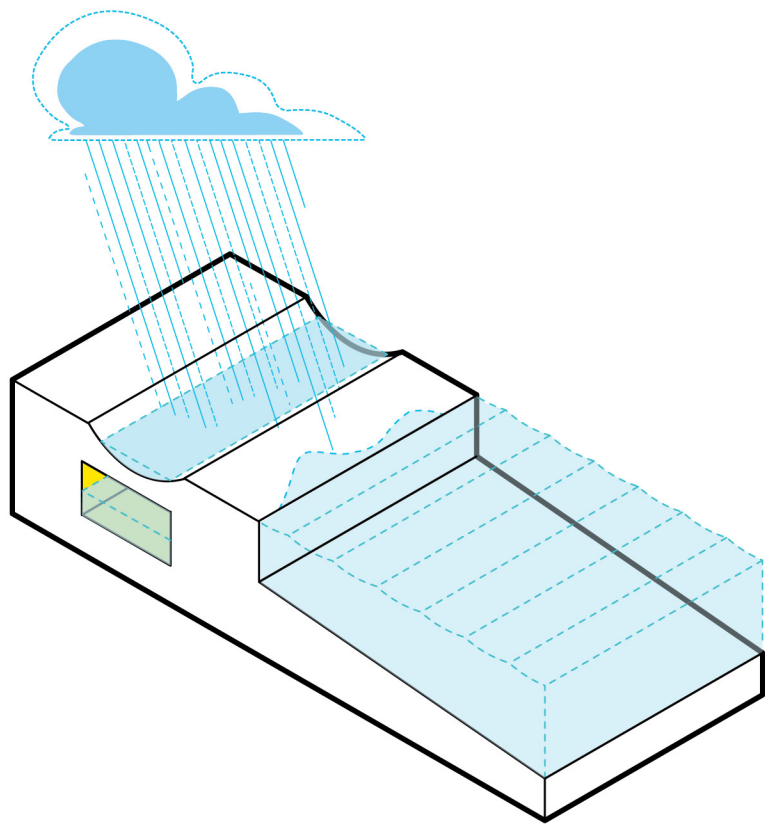
RESILIENCY MEASURES + METHODS



FLOOD RISK MANAGEMENT

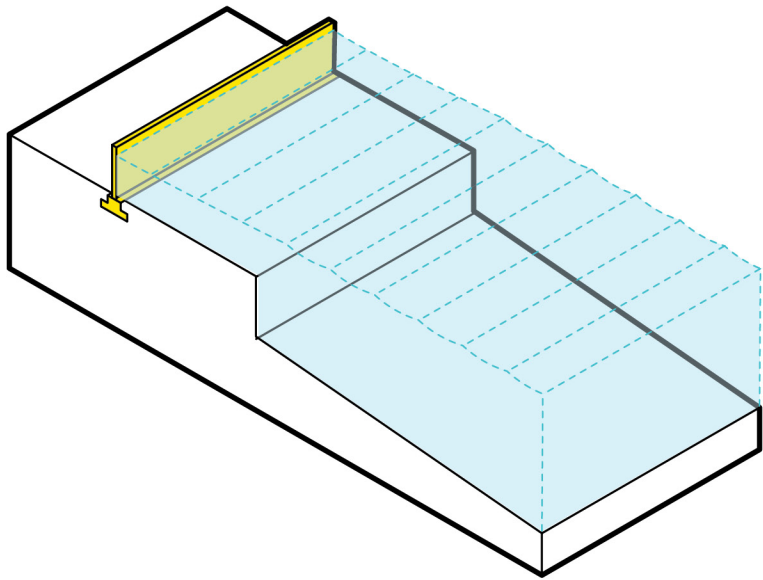


WAVE ATTENUATION

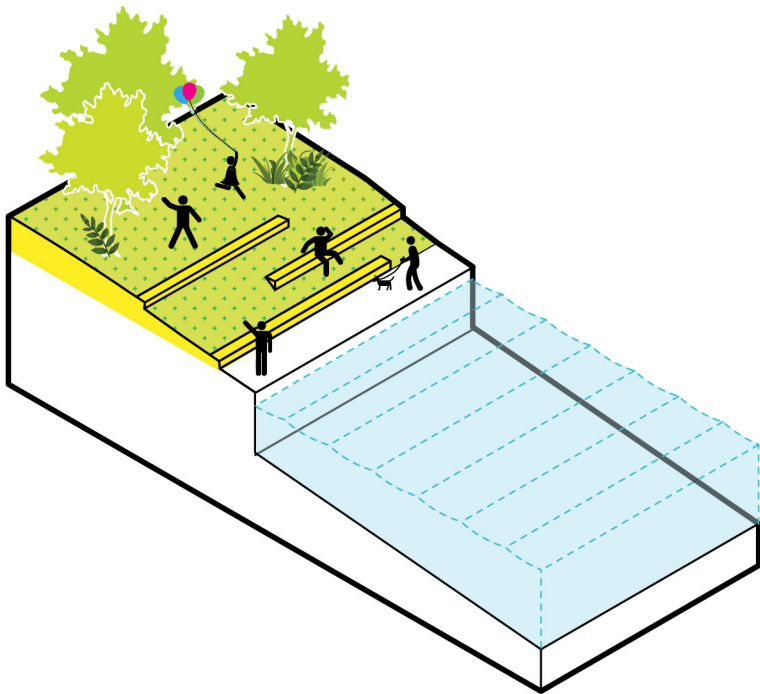


STORMWATER MANAGEMENT

PROJECT PRIORITIES



RESILIENCY MEASURES

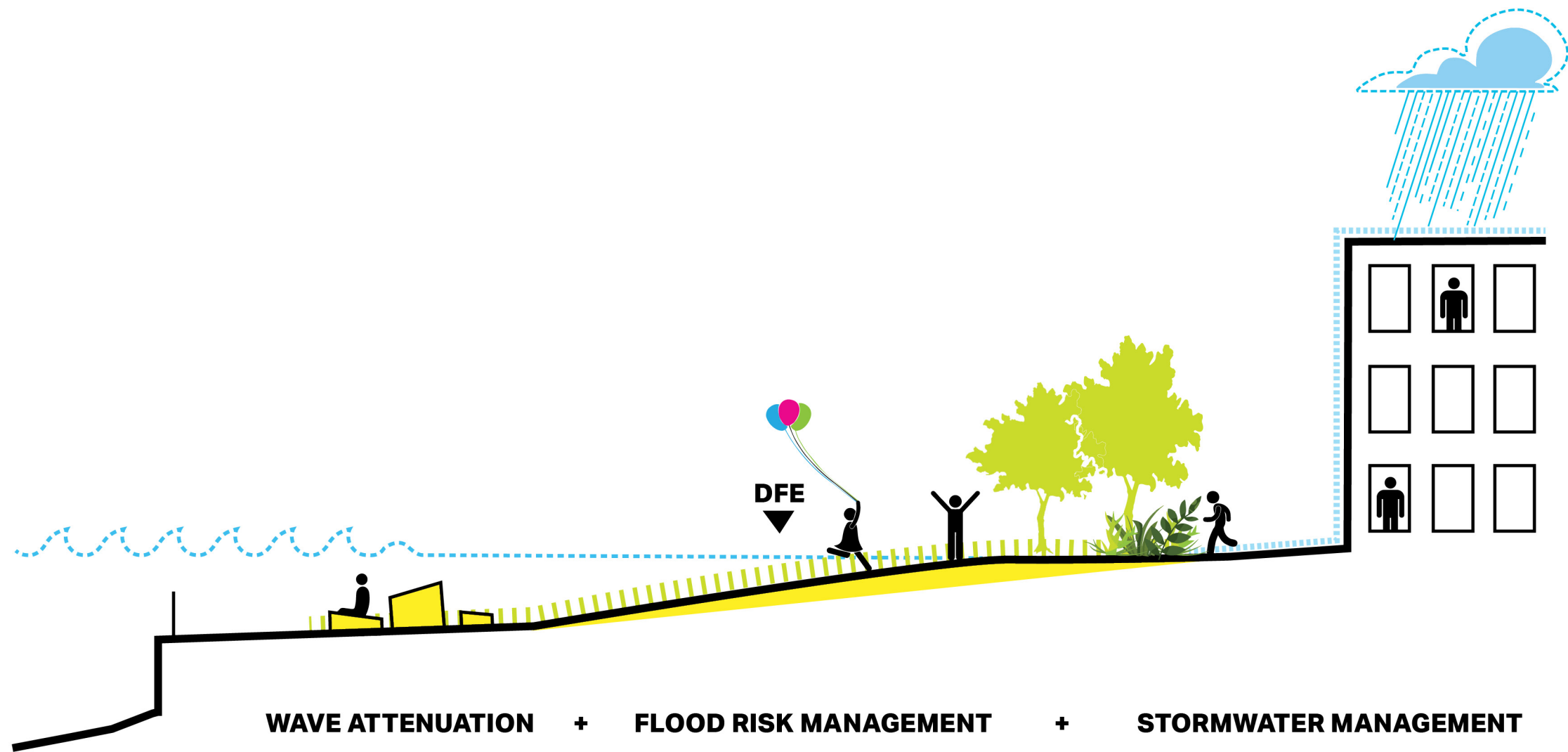


PUBLIC BENEFIT



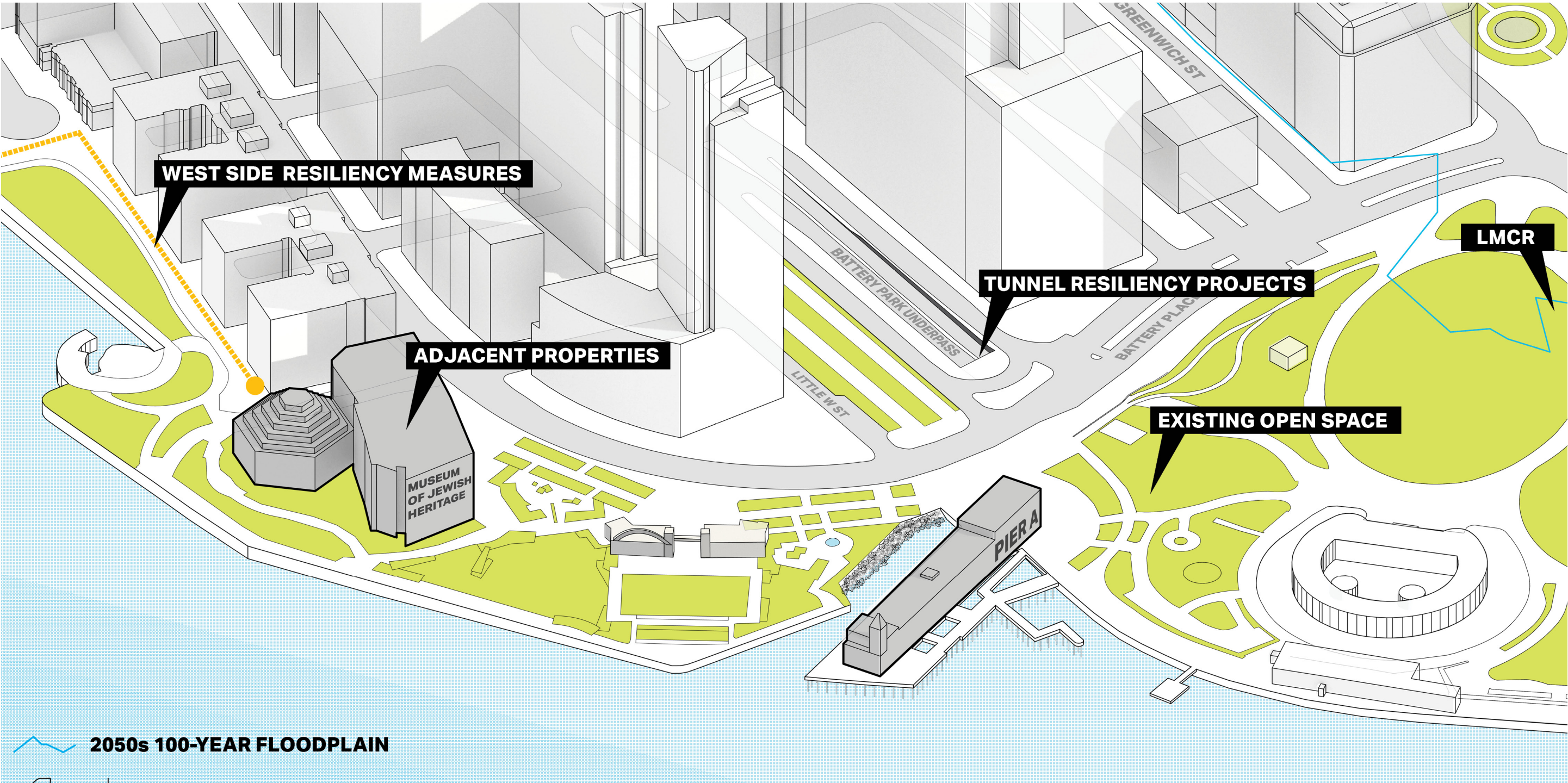
**MULTI-PURPOSE
PERFORMANCE**

RESILIENT COMMUNITY SPACE



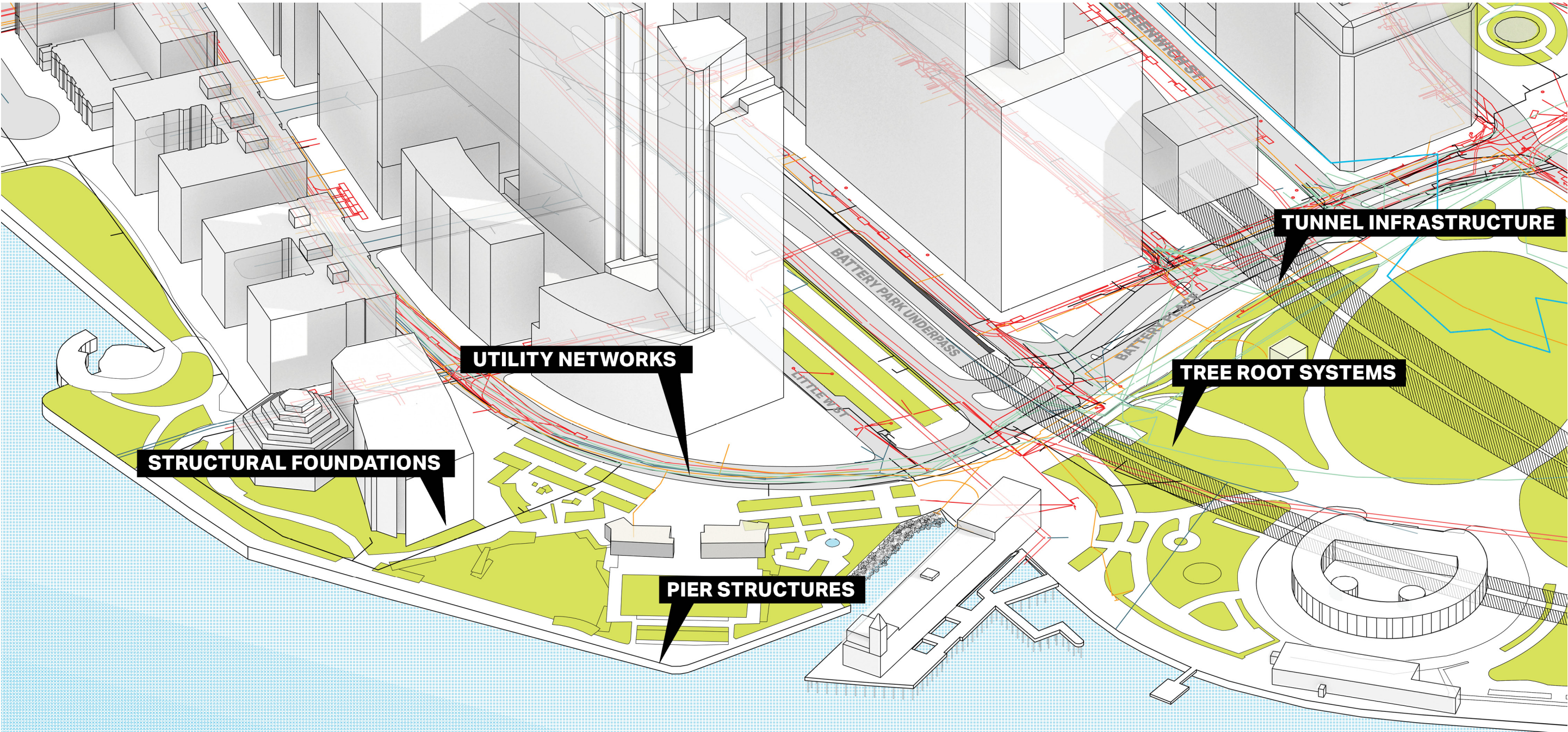
5 KEY CONSIDERATIONS

KEY CONSIDERATIONS | COORDINATION



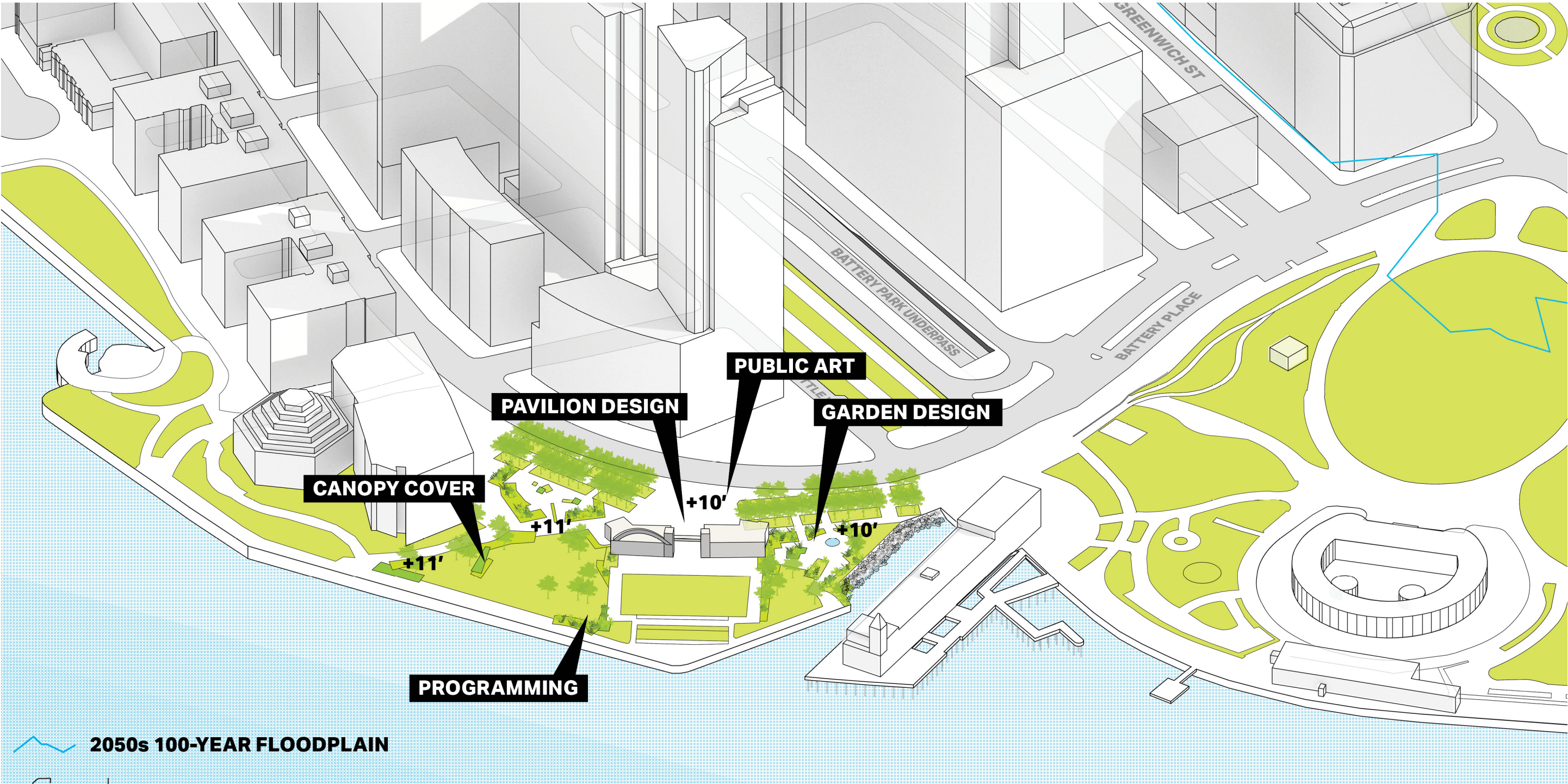
2050s 100-YEAR FLOODPLAIN

KEY CONSIDERATIONS | SUBSURFACE



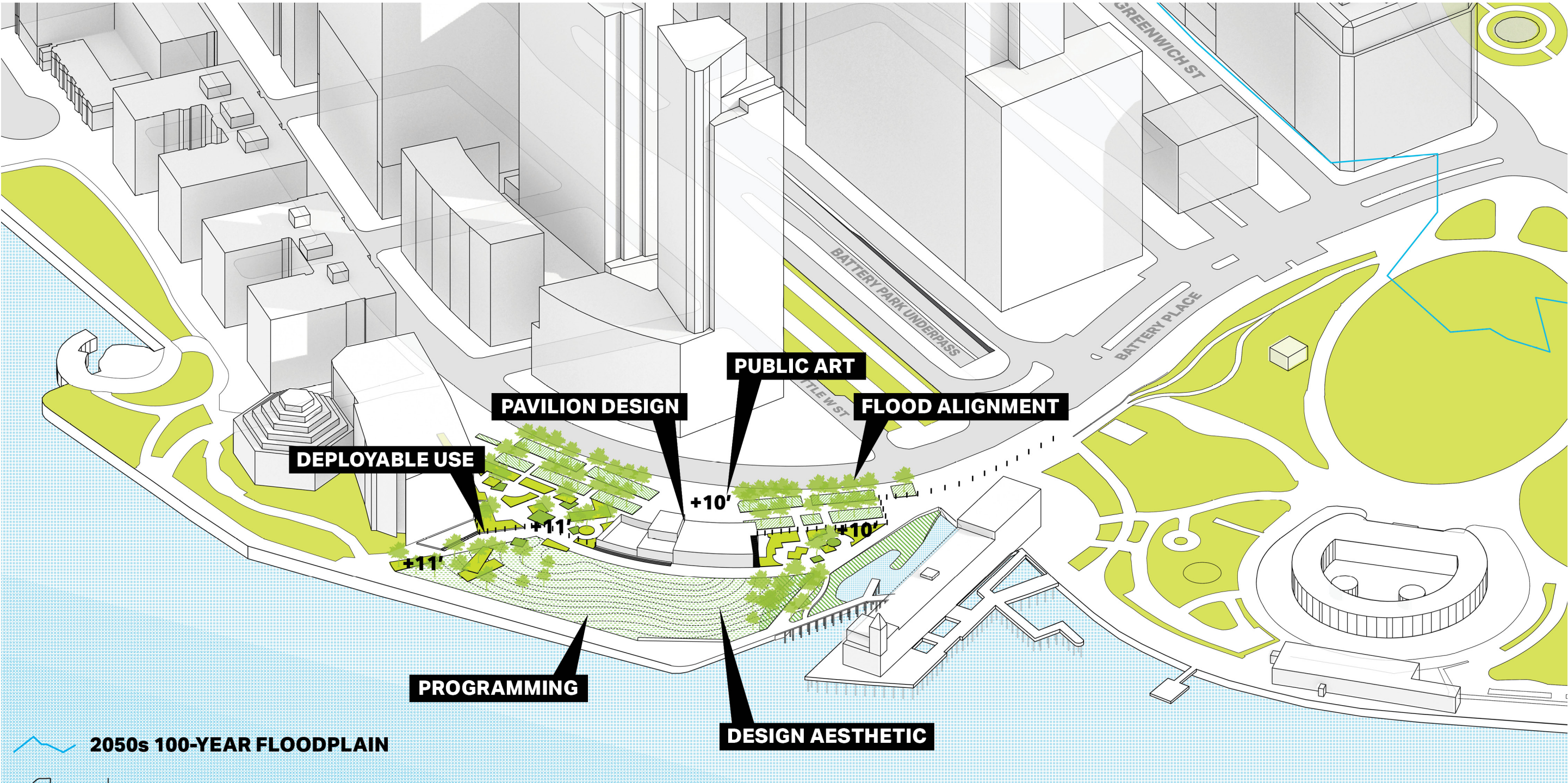
 2050s 100-YEAR FLOODPLAIN

KEY CONSIDERATIONS | EXISTING PARK

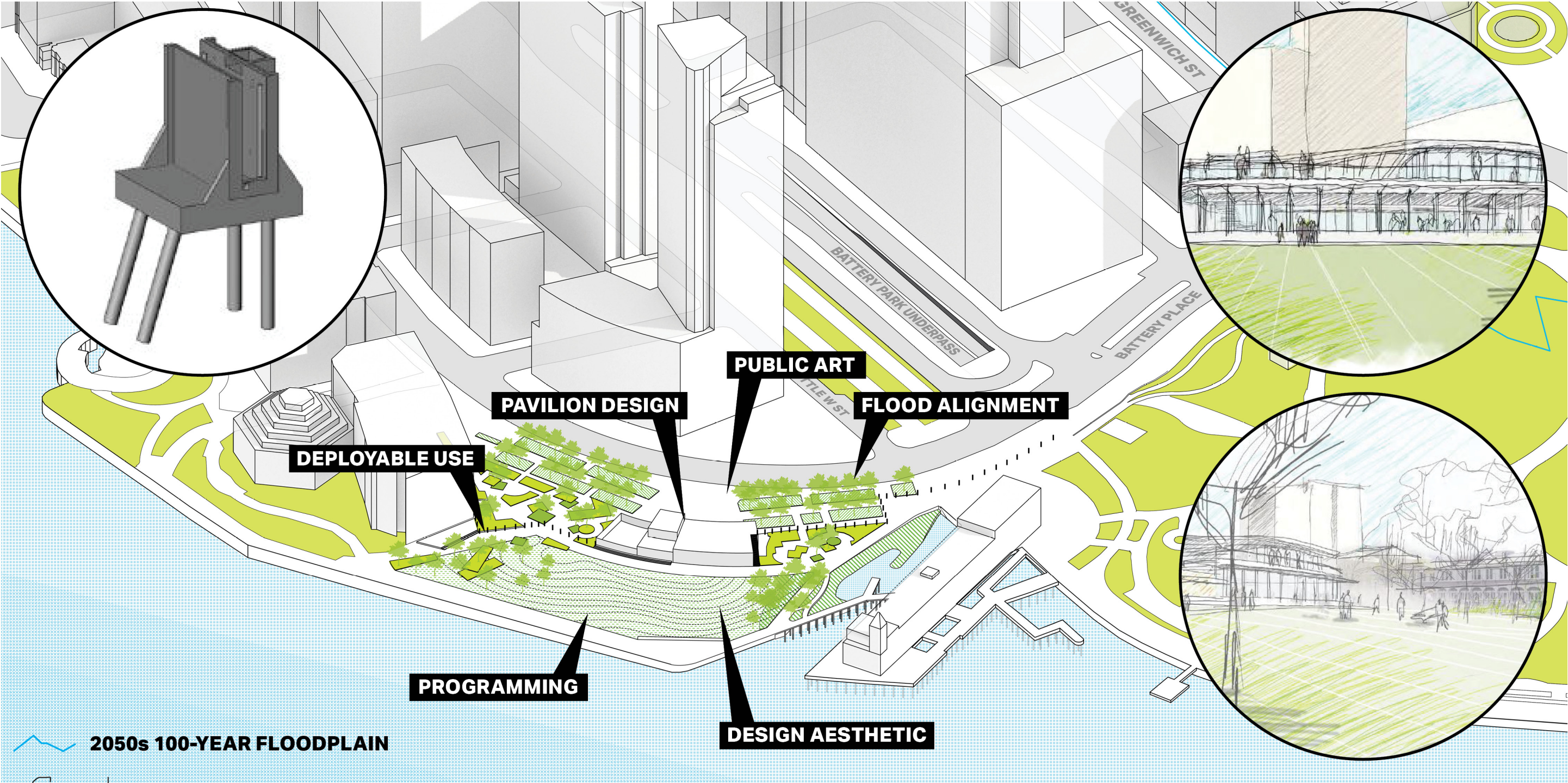


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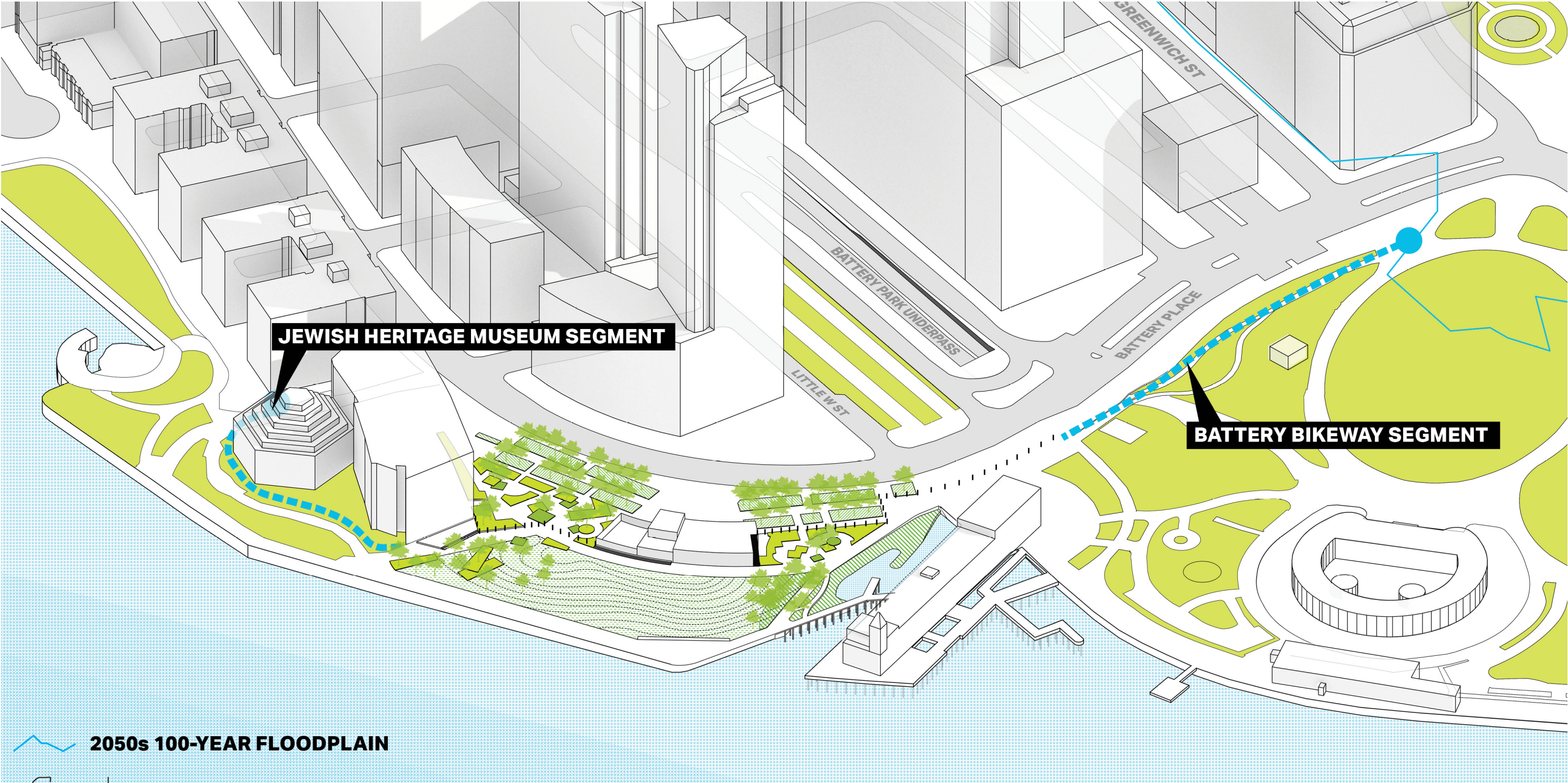
KEY CONSIDERATIONS | CURRENT CONCEPTUAL DESIGN (FORMER STUDY)



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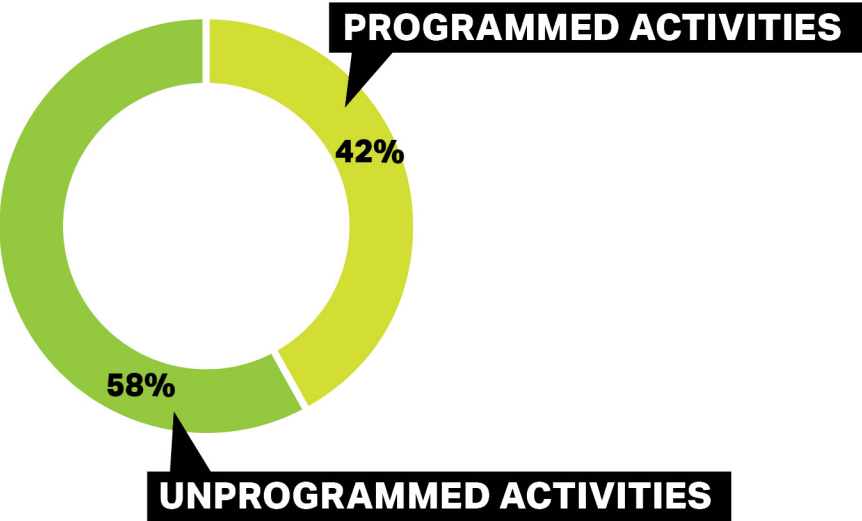


 2050s 100-YEAR FLOODPLAIN

PREVIOUS ENGAGEMENT

Previous engagement in conjunction with the Parks User Study done by BPCA and BMCC will also help inform the design approach.

YOUR FAVORITE ACTIVITIES AT WAGNER PARK INCLUDE:



WALKING
Strolling along the water



RELAXING
Reading, thinking, unwinding

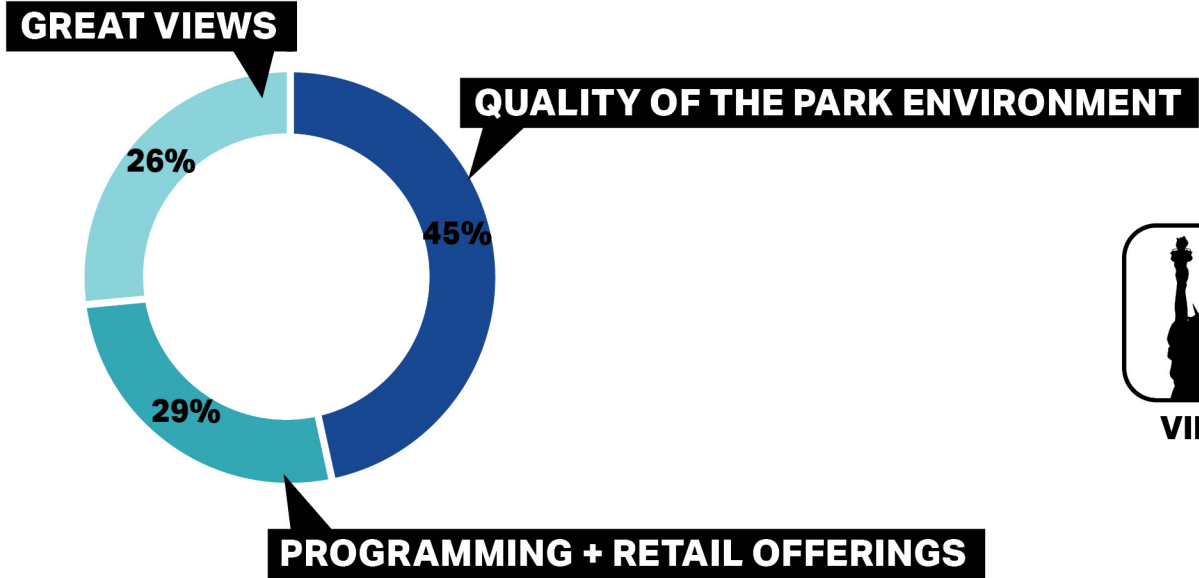


EXERCISING
Running, bicycling, martial arts, yoga, fishing, etc.



DINING + ENTERTAINMENT
Attending the Park's programmed activities & restaurants

WHAT YOU LIKE BEST ABOUT WAGNER PARK:



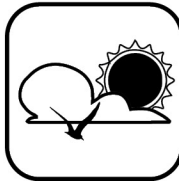
VIEWS



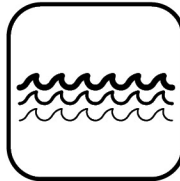
GARDENS/ GREENERY



OPEN SPACE



PEACE + QUIET



CONNECTION TO WATER



COMMUNITY FEELING

6

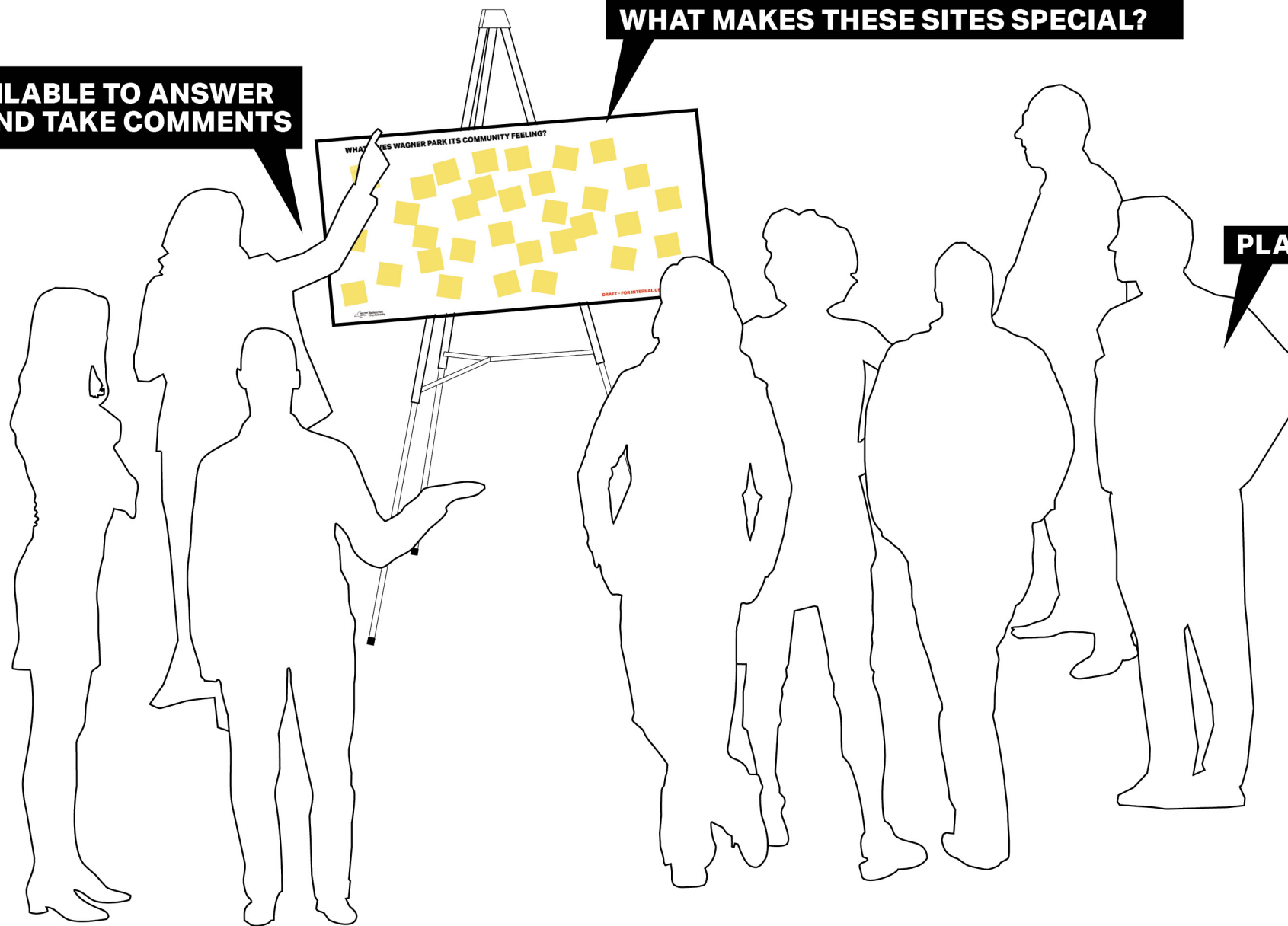
Q + A
+ ACTIVITY

ACTIVITY

FACILITATORS AVAILABLE TO ANSWER ANY QUESTIONS AND TAKE COMMENTS

WHAT MAKES THESE SITES SPECIAL?

PLACE YOUR ANSWERS ON STICKY NOTES

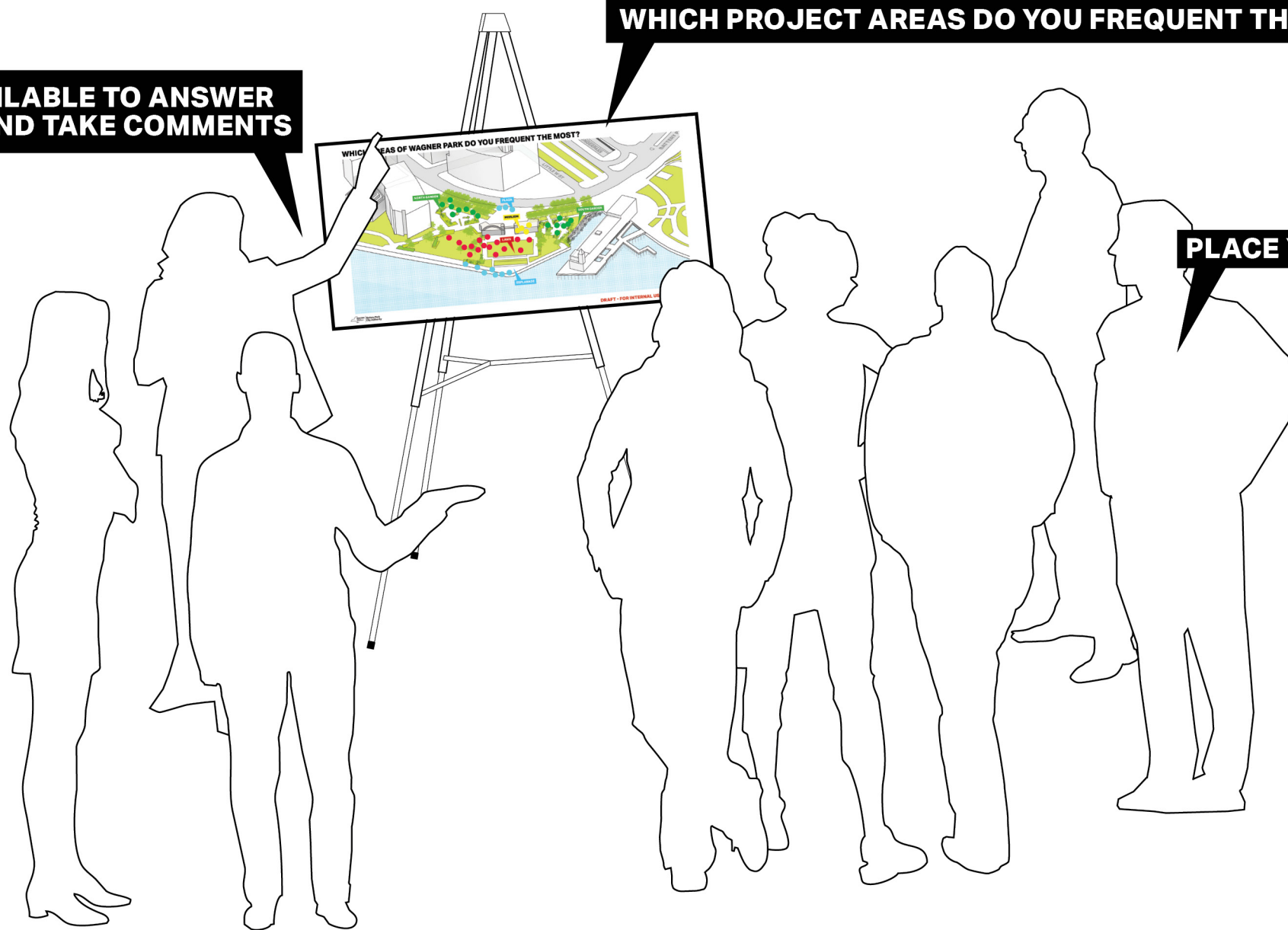


ACTIVITY

FACILITATORS AVAILABLE TO ANSWER ANY QUESTIONS AND TAKE COMMENTS

WHICH PROJECT AREAS DO YOU FREQUENT THE MOST?

PLACE YOUR COLORED DOTS TO GIVE FEEDBACK!

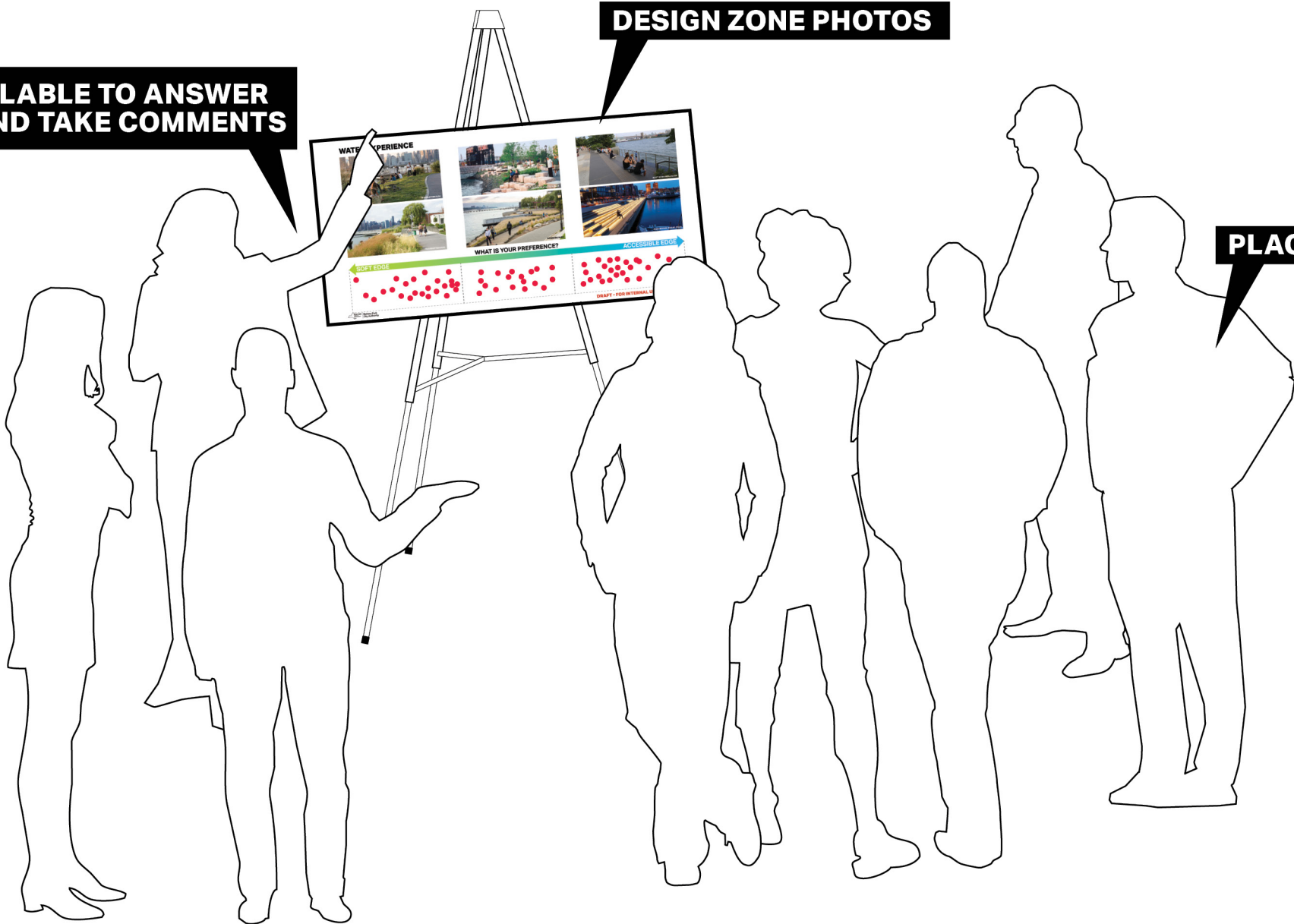


ACTIVITY

FACILITATORS AVAILABLE TO ANSWER ANY QUESTIONS AND TAKE COMMENTS

DESIGN ZONE PHOTOS

PLACE YOUR DOTS TO GIVE FEEDBACK!

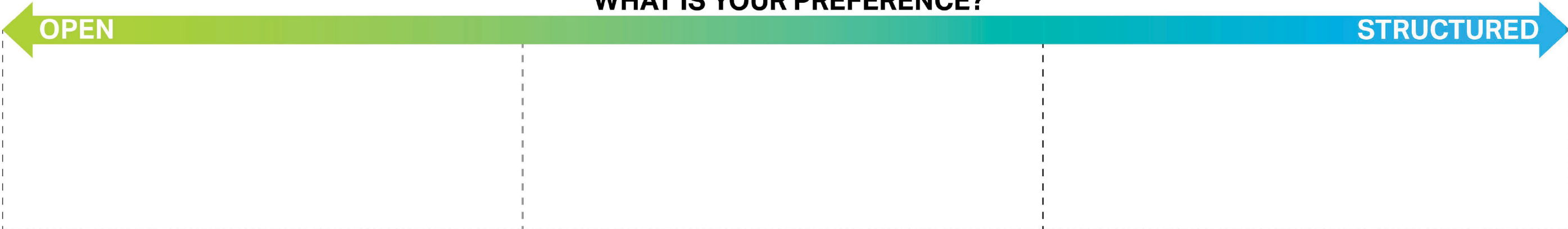


LAWN



SAMPLE

WHAT IS YOUR PREFERENCE?



NEXT STEPS

- Site Investigations: borings and surveys
- Integrated Coastal Modeling refinement
- Summary of your feedback for programming and design
- Early design development of flood alignment and overall project area
- Next community engagement public meeting (March 2019)

QUESTIONS + COMMENTS?



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