

East Side Coastal Resiliency

CB3 Parks/Waterfront Committee

April 11, 2019

BRC Senior Services Center
30 Delancey Street



AGENDA

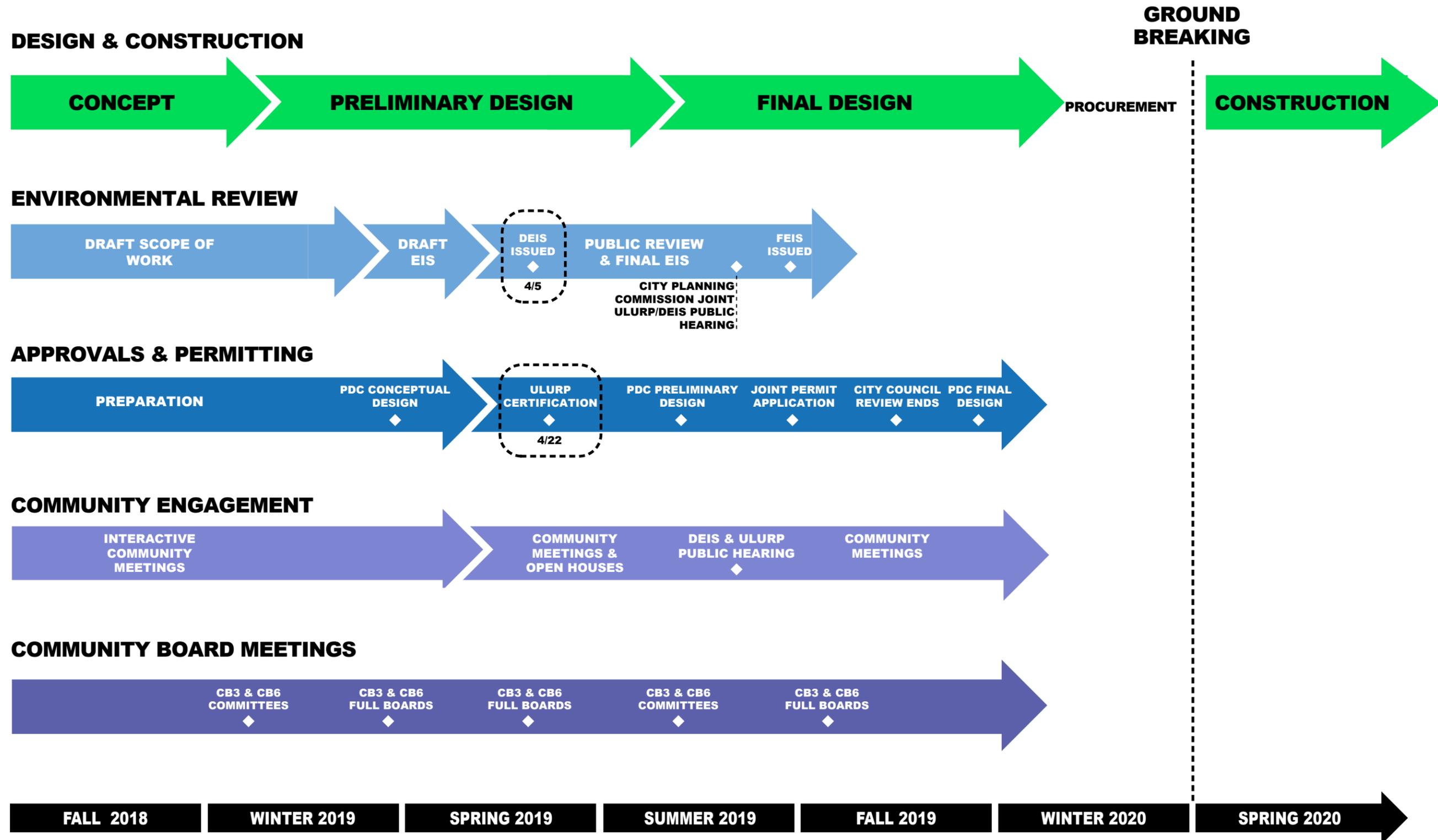
Project Overview

Drainage Improvements

Environmental Review & Approvals



CONSTRUCTION & COMMUNITY ENGAGEMENT TIMELINE



RECENT & PLANNED COMMUNITY ENGAGEMENT

MEETINGS TO DATE

STAKEHOLDER

- HUD
- Con Ed
- Interactive Community Meetings
- NYCHA TA Leadership
- NYCHA Riis Residents
- NYCHA LES II and V and Bracetti Plaza Residents
- NYCHA Baruch Residents
- LESReady!
- New Yorkers for Parks
- LUNGS
- Regional Plan Association
- Rebuild by Design
- Lower East Side Ecology Center
- Lower East Side Power Partnership
- Amphitheater Working Group
- East River Alliance
- Solar One
- Stuyvesant Town and Peter Cooper Village Tenant Association
- Friends of Corlears Hook Park
- NYCHA Riis Residents
- East River Housing Corporation Board

COMMUNITY BOARD & ELECTED OFFICIALS MEETINGS

- City and State Elected Officials
- CB3 Leadership
- CB6 Leadership
- CB3 Parks Committee
- CB6 Land Use/Waterfront Committee
- CB6 Working Group
- CB3 Working Group
- CB3 Parks Committee

PLANNED MEETINGS

STAKEHOLDER

- Solar One Planting
- East 20th Street Walk Through with Residents
- Gouverneur Gardens Residents
- East River Alliance
- Waterside Plaza Management
- Waterside Plaza Tenants Association
- Stuyvesant Cove Park Association
- Open Houses
- Other NYCHA Campuses
- East River Housing Corporation Residents

COMMUNITY BOARD & ELECTED OFFICIALS MEETINGS

- CB6 Land Use/Waterfront Committee
- CB6 Parks Committee
- CB3 Full Board
- CB6 Full Board

PROJECT GOALS & ORIGIN

Provide a reliable, integrated flood protection system; minimize use of closure structures.

Improve waterfront open spaces and access.

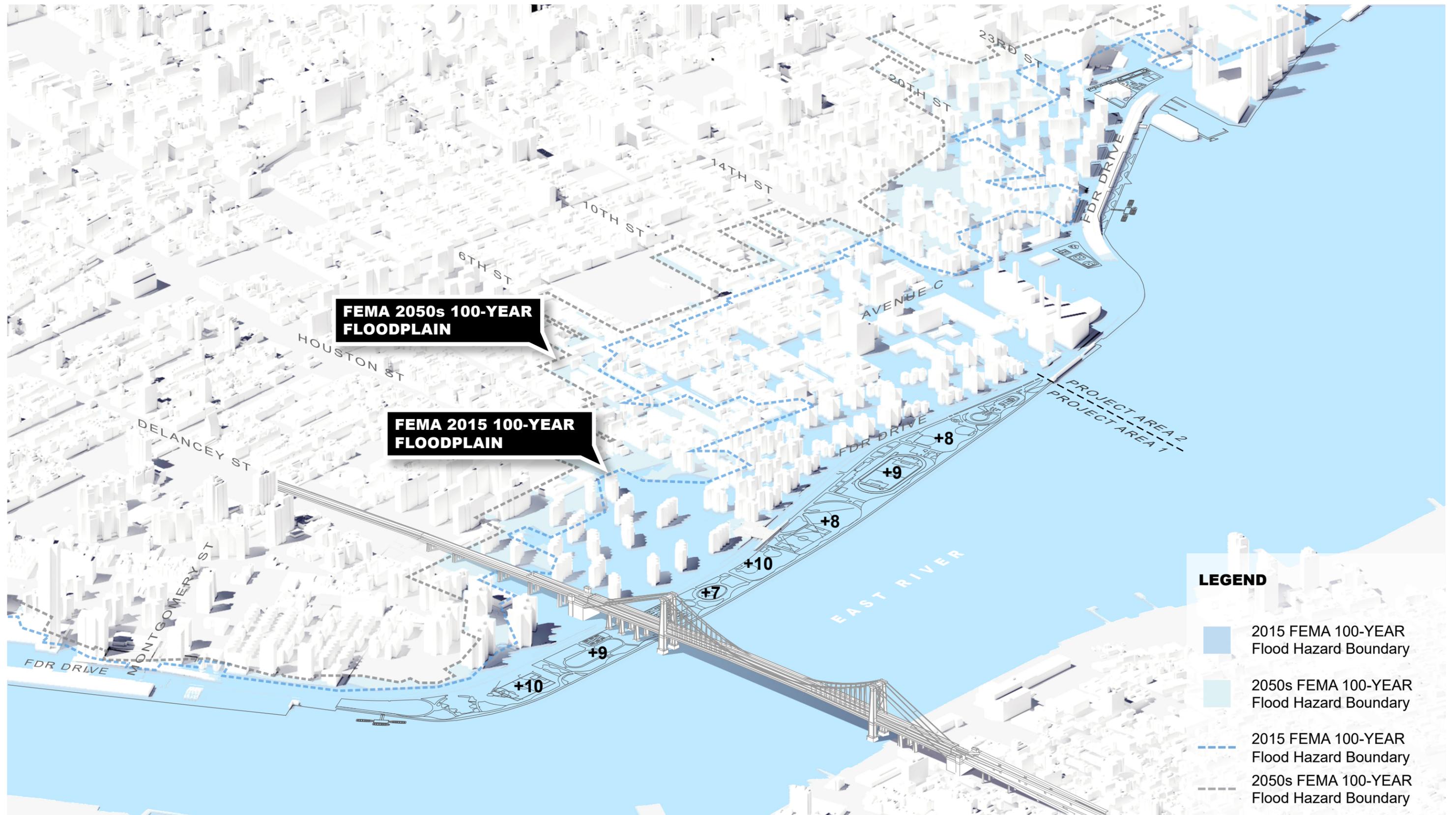
Achieve implementation milestones and project funding allocations as established by HUD.

Respond quickly to the urgent need for increased flood protection and resiliency.



CURRENT AND 2050s 100-YEAR FLOODPLAINS

STUDY AREA





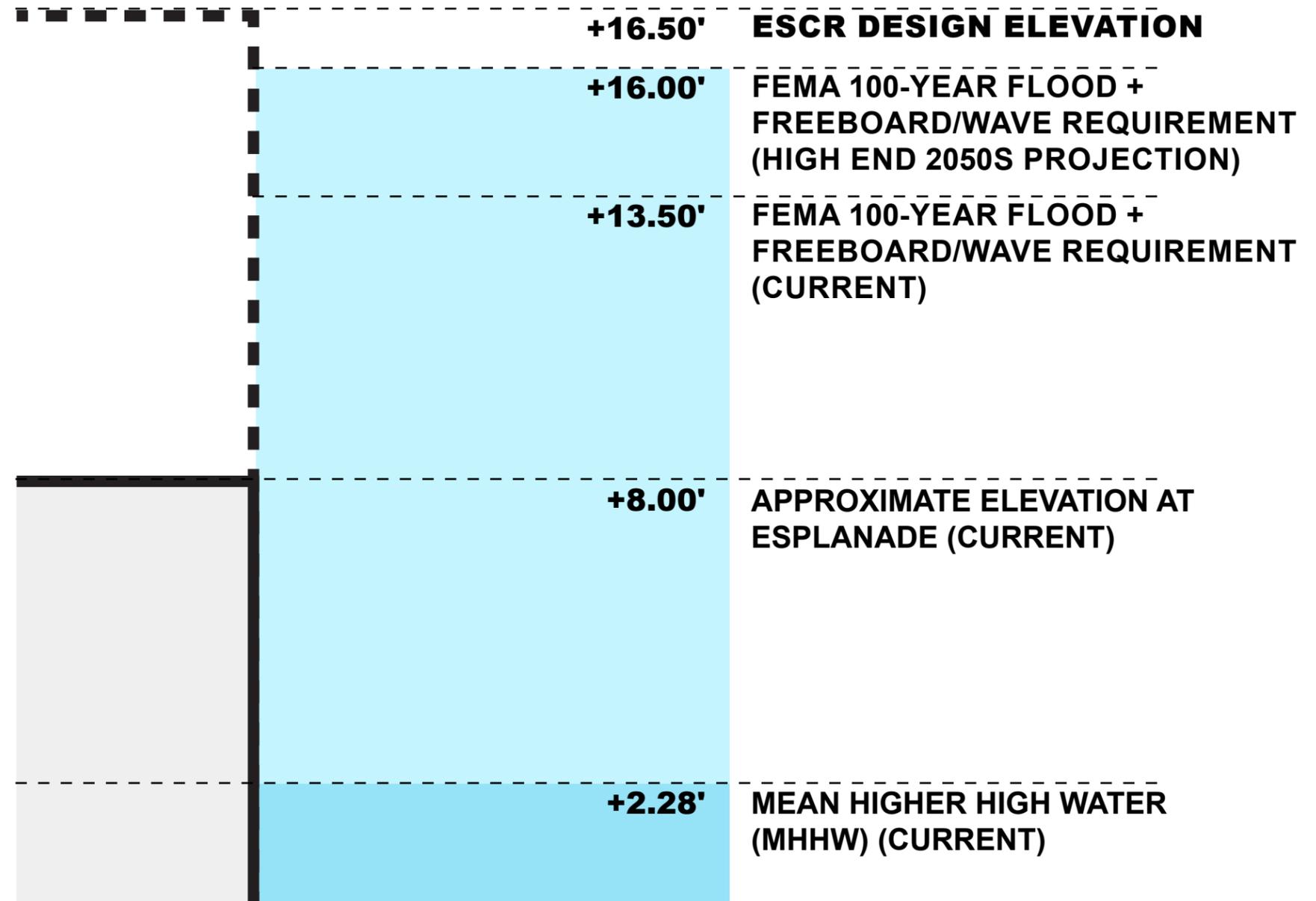
NYCHA HOUSING
ADJACENT TO EAST RIVER PARK

IMPROVED PARK RESILIENCY

FLOOD DESIGN ELEVATIONS

HUD FUNDING REQUIREMENT: THE SYSTEM MUST PURSUE FEMA ACCREDITATION WITH MINIMUM SYSTEM ELEVATION AT CURRENT FEMA 100-YEAR STORM ELEVATION + WAVE ACTION

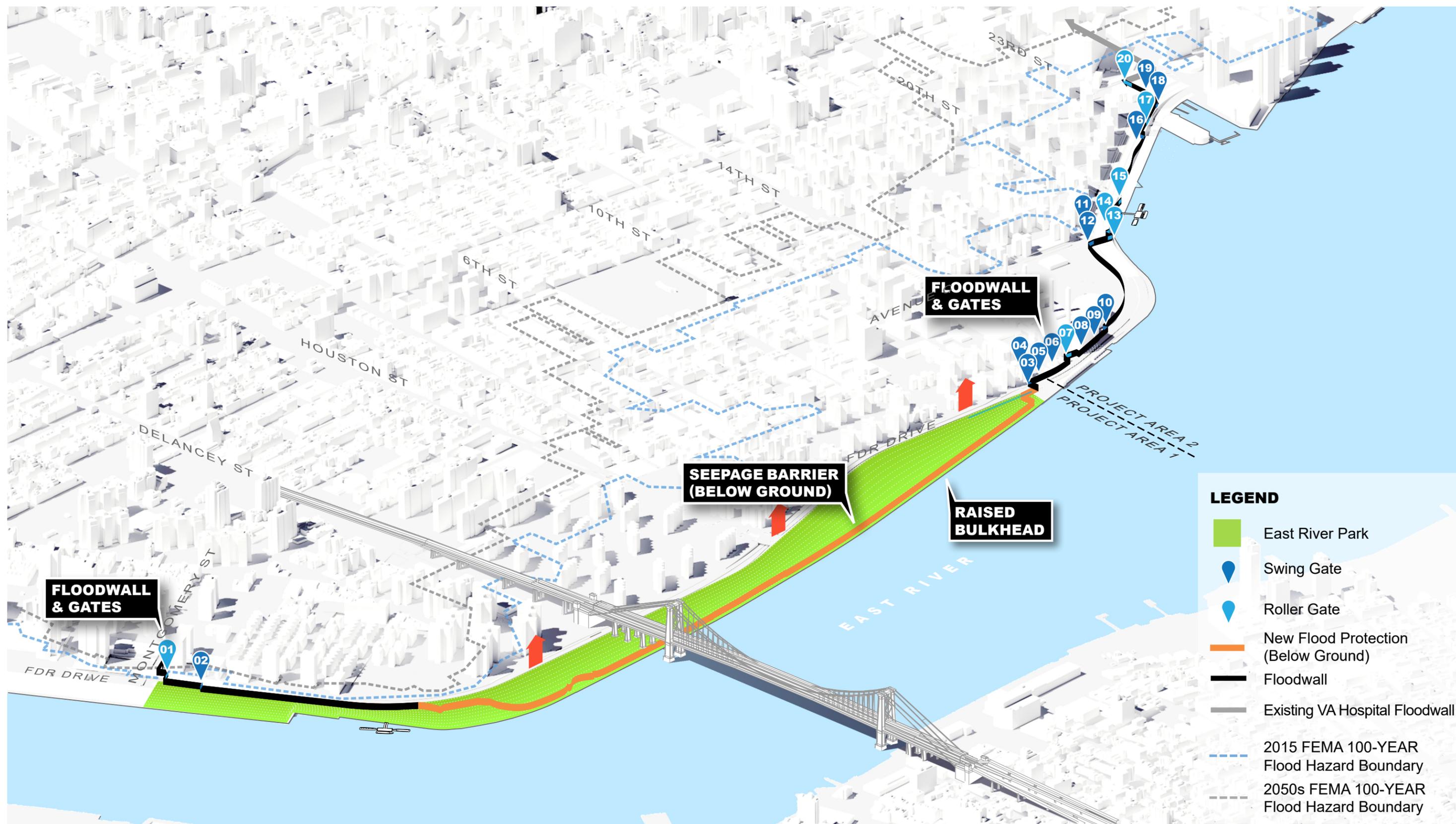
DESIGN HEIGHT: DESIGN HEIGHT DETERMINED BY 2050s 100-YEAR STORM ELEVATION (INCL 30" SEA LEVEL RISE) + WAVE ACTION



NOTE: ALL ELEVATIONS SHOWN IN NAVD88

IMPROVED RESILIENCY

PARK & FLOOD PROTECTION



AGENDA

An aerial, semi-transparent teal overlay of a city waterfront. A suspension bridge spans across a body of water. The city buildings are rendered in a light teal color. Several green spaces, including what appear to be baseball fields and parks, are visible along the waterfront. The overall scene is a high-angle, wide-area view of an urban coastal area.

Project Overview

Drainage Improvements

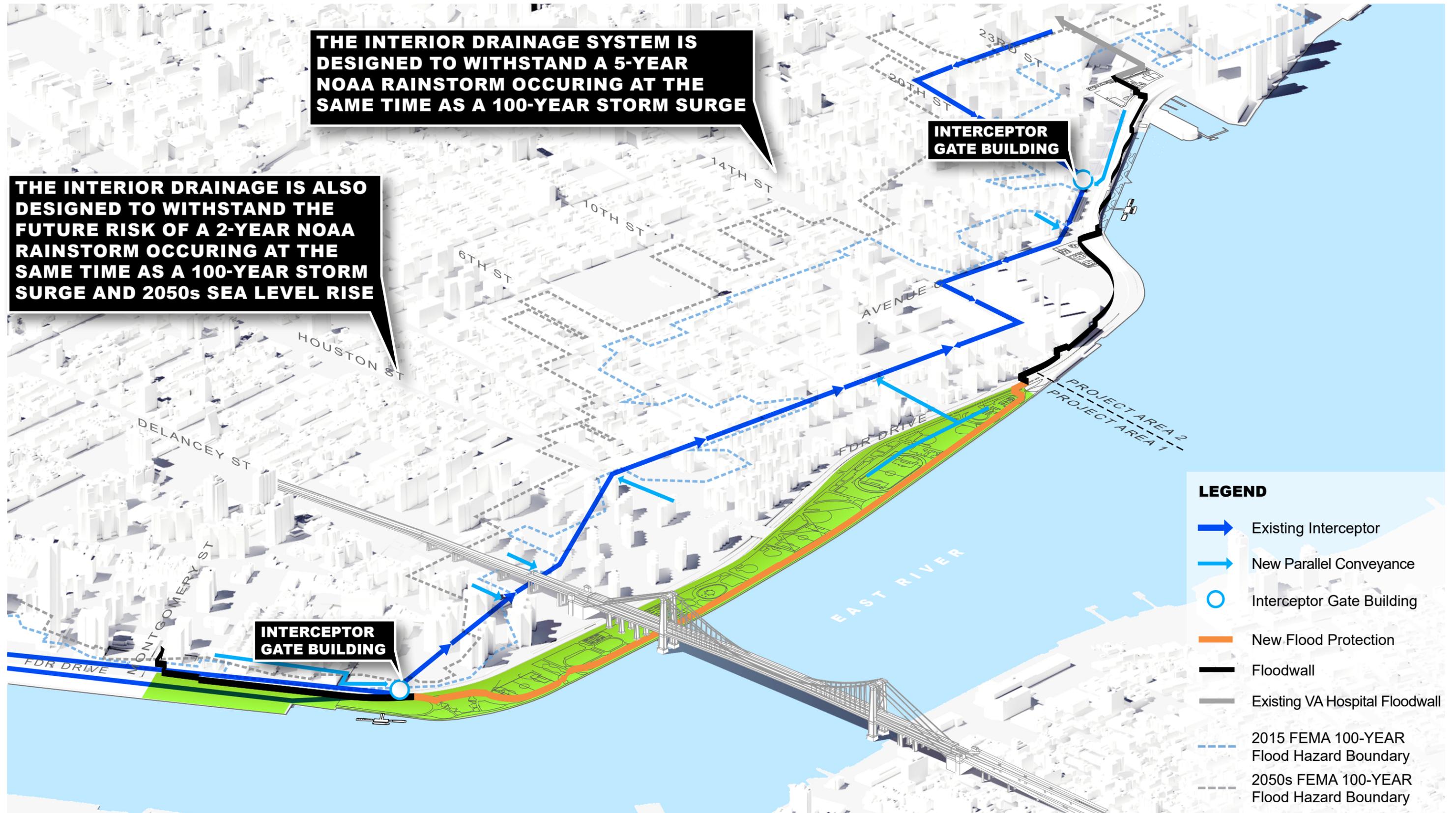
Environmental Review & Approvals

IMPROVED RESILIENCY

ENHANCING DRAINAGE INFRASTRUCTURE THROUGHOUT THE STUDY AREA

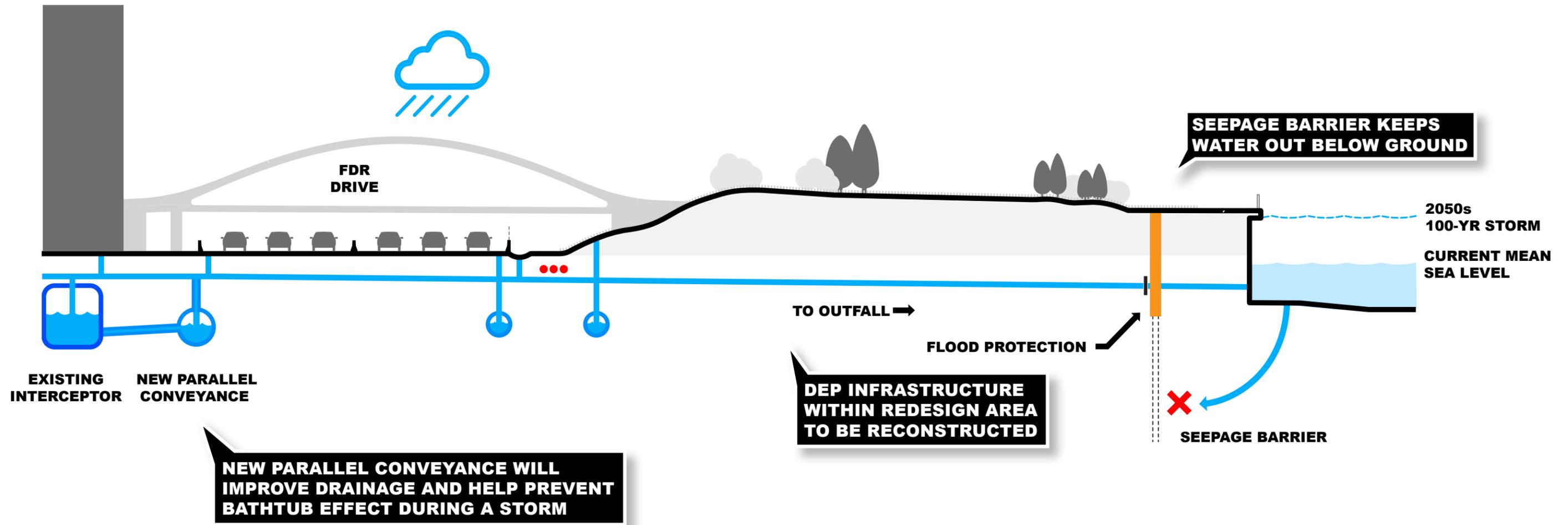
THE INTERIOR DRAINAGE SYSTEM IS DESIGNED TO WITHSTAND A 5-YEAR NOAA RAINSTORM OCCURING AT THE SAME TIME AS A 100-YEAR STORM SURGE

THE INTERIOR DRAINAGE IS ALSO DESIGNED TO WITHSTAND THE FUTURE RISK OF A 2-YEAR NOAA RAINSTORM OCCURING AT THE SAME TIME AS A 100-YEAR STORM SURGE AND 2050s SEA LEVEL RISE



PARK & FDR DRAINAGE

RAINWATER COLLECTED AT MULTIPLE POINTS BETWEEN PARK AND FDR



IMPROVED RESILIENCY

SEWER IMPROVEMENTS TO IMPROVE DRAINAGE IN EAST RIVER PARK



**SOUTH INTERCEPTOR
GATE BUILDING AND
CHAMBER**

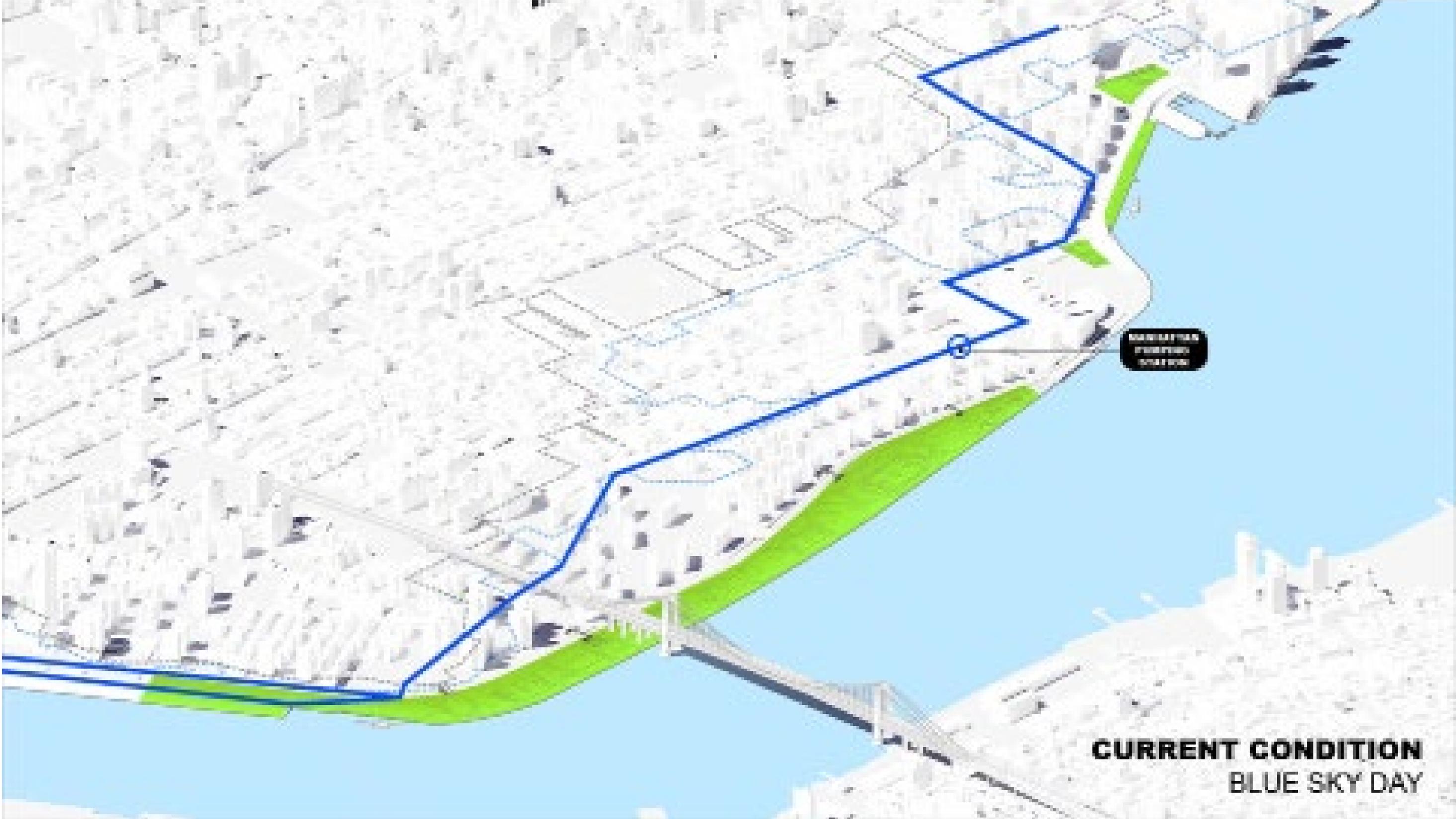
**NORTH INTERCEPTOR
GATE BUILDING AND
CHAMBER (PA2 BEYOND)**

**ALL EXISTING NYCDEP SEWER LINES
AND OUTFALLS WILL BE REPLACED IN
EAST RIVER PARK. RECONSTRUCTED
SEWERS WILL BE SIZED UP FOR
INCREASED CAPACITY.**

- RECONSTRUCTED DEP SEWER + 15' TREE PLANTING OFFSET
- DEP SEWER OUTFALLS

CURRENT CONDITION

BLUE SKY DAY



CURRENT CONDITION
BLUE SKY DAY

CURRENT CONDITION

RAIN EVENT



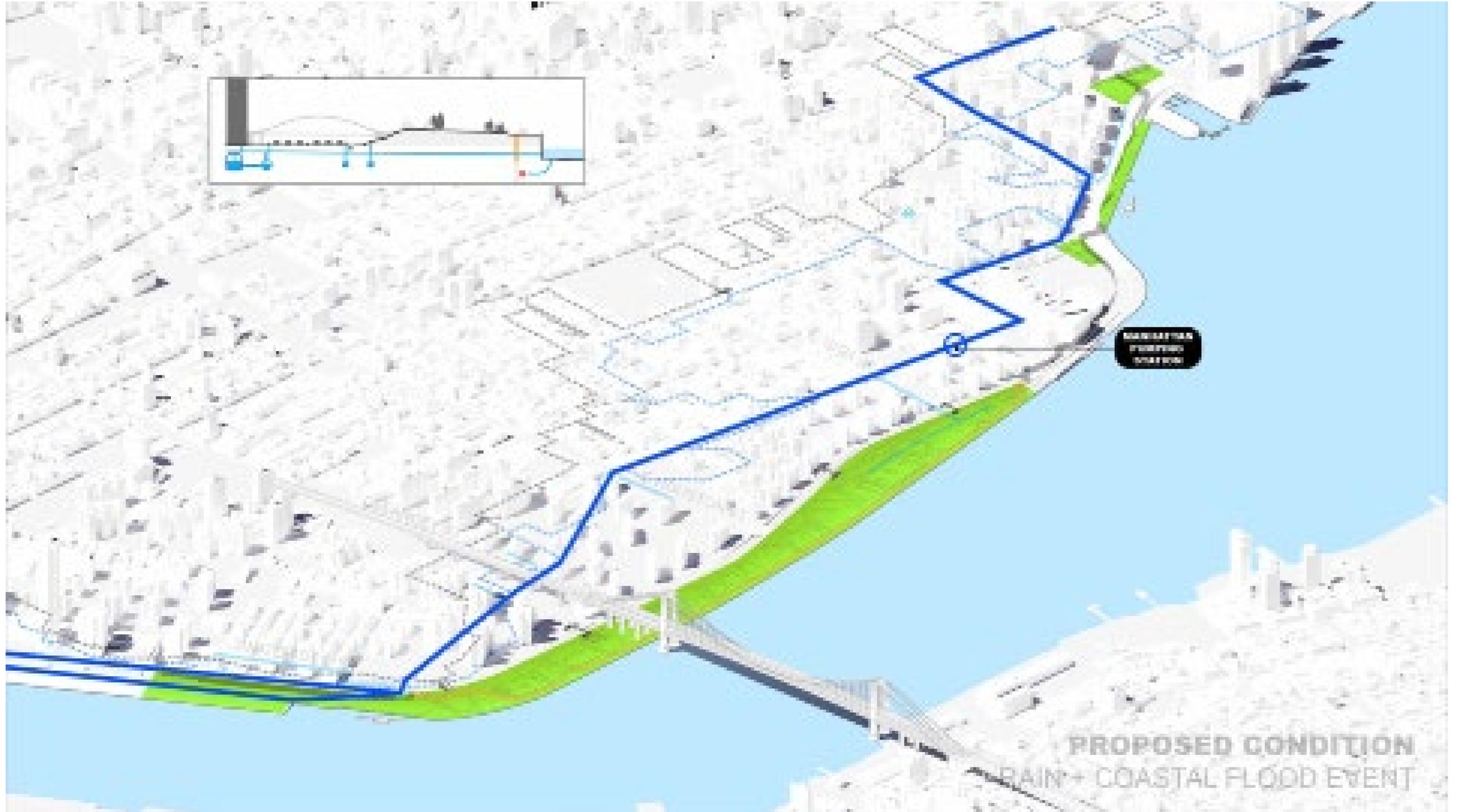
CURRENT CONDITION

RAIN & COASTAL FLOOD EVENT



PROPOSED CONDITION

RAIN & COASTAL FLOOD EVENT



IMPROVED DRAINAGE

INTERCEPTOR GATE AND BUILDING SITING DESIGN CRITERIA

Design Criteria for Below Grade Interceptor Gate

- **Must be located inline with the existing interceptor sewer**
- **Sufficient vertical clearance above the interceptor to grade**
- **Sufficient space near chamber for an above grade building**
- **Must be upstream of any connections from protected area and downstream of any connections from unprotected area**

Design Criteria for Building

- **Located near the Interceptor Gate, as building contains electrical, hydraulic, and mechanical support system for the interceptor gate**
- **Located above grade so that it can be accessed easily by DEP operations personnel on a regular basis**
- **Sufficient area for operations and maintenance vehicle access**

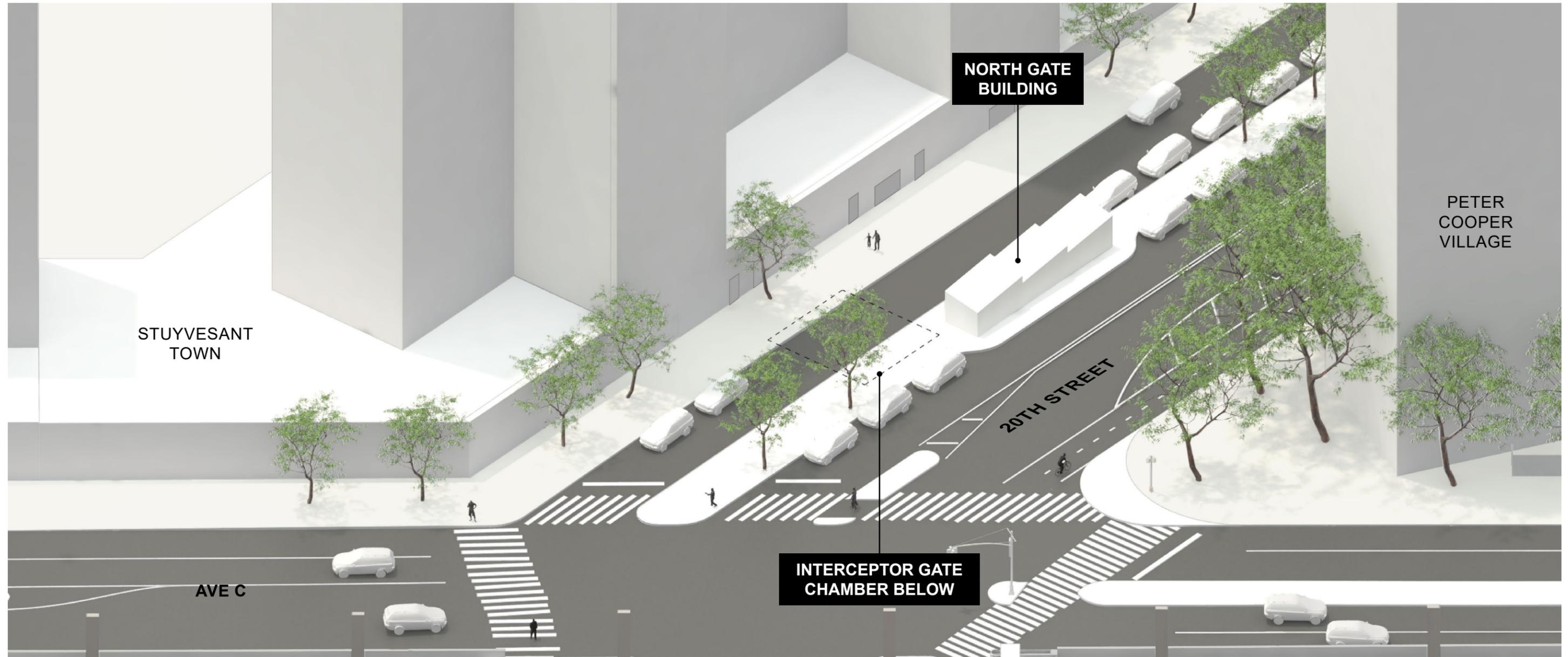
IMPROVED DRAINAGE

SOUTH INTERCEPTOR GATE CHAMBER BUILDING



IMPROVED DRAINAGE

NORTH INTERCEPTOR GATE CHAMBER BUILDING



AGENDA

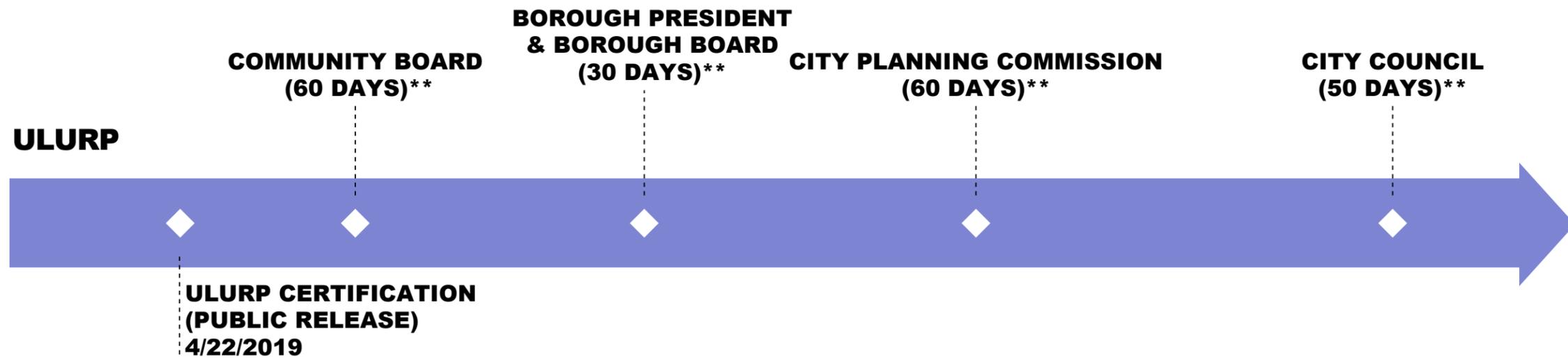
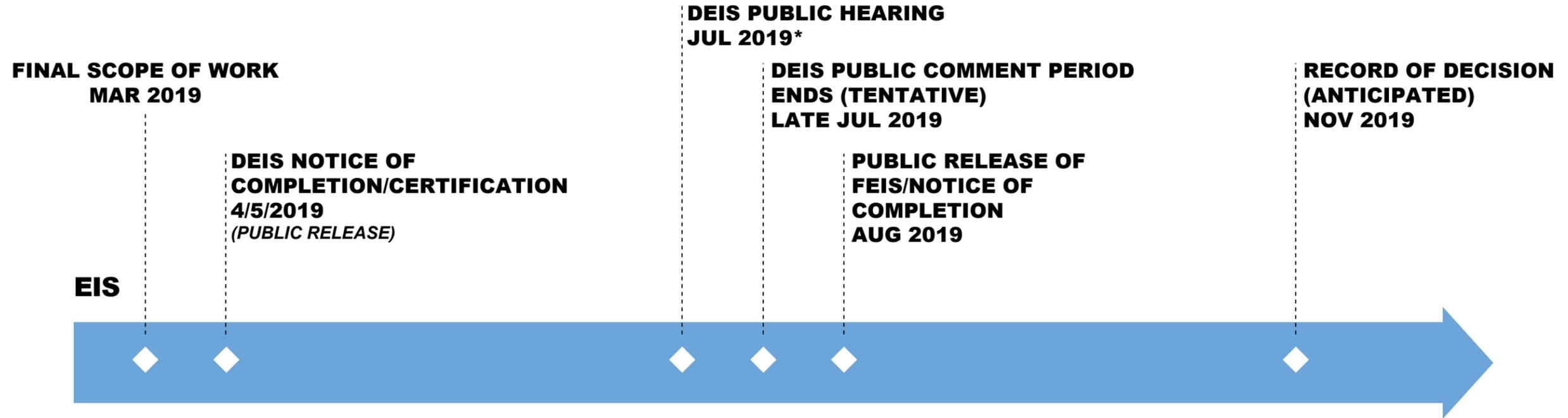
An aerial, semi-transparent teal overlay of a city waterfront. A suspension bridge spans across a body of water. The city buildings are rendered in a light teal color. Several green spaces, including what appear to be baseball fields and parks, are visible along the waterfront. The overall scene is a 3D architectural rendering.

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PRELIMINARY ENVIRONMENTAL REVIEW SCHEDULE



* DEIS COMMENT PERIOD EXTENDS 15 DAYS AFTER PUBLIC HEARING

** INCLUDES PUBLIC HEARING

ENVIRONMENTAL REVIEW STANDARDS

PROJECT REVIEW BEING CONDUCTED UNDER 3 STATUTES:

- **National Environmental Policy Act (NEPA)**
- **State Environmental Quality Review Act (SEQRA)**
- **City Environmental Quality Review (CEQR)**
(Environmental Impact Statement (EIS) will satisfy requirements of all three statutes.)

COORDINATED ENVIRONMENTAL REVIEW PROCESS

LEAD AGENCIES:

- **NEPA - NYC Office of Management and Budget (OMB)**
- **SEQRA/CEQR - Department of Parks & Recreation**
(Environmental review coordinated by head agencies, with cooperating, involved and interested Federal, State and City agencies.)

ALTERNATIVES ANALYZED IN THE DEIS

ALTERNATIVE 1: No Action Alternative

ALTERNATIVE 2: Flood Protection System on the West Side of East River Park – Baseline

ALTERNATIVE 3: Flood Protection System on the West Side of East River Park – Enhanced Park and Access

**ALTERNATIVE 4: Flood Protection System with a Raised East River Park
(Preferred Alternative)**

ALTERNATIVE 5: Flood Protection System East of FDR Drive

UNIFORM LAND USE REVIEW PROCEDURE (ULURP)

PRELIMINARY PROPOSED ACTIONS

Acquisitions (Easements) Needed

- Gouverneur Gardens Cooperative
- East River Housing Corporation
- NYCHA (Riis Houses and Baruch Houses)
- Con Edison
- Captain Patrick J Brown Walk (NYSDOT)
- VA Medical Center

In addition, a zoning text amendment is necessary to acknowledge compliance of the proposed design with the City's Waterfront Zoning regulations for a portion of the project area

City map change (anticipated at a later date) for the reconstruction of pedestrian bridges.

Website

NYC East Side Coastal Resiliency 311 Search all NYC.gov websites

NYC
The East Side Coastal Resiliency Project

Italiano Translate Text-Size

Home Vision Background Progress Get Involved Resources Search

Draft Environmental Impact Statement (DEIS) Now Available for Review and Comments

The East Side Coastal Resiliency Project

The East Side Coastal Resiliency (ESCR) Project is a coastal protection initiative, jointly funded by the City of New York and the federal government, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East 25th Street to Montgomery Street.

The ESCR Project is a priority of the City of New York as outlined in the 2015 *One New York: The Plan for a Strong and Just City* and by the innovative Rebuild by Design competition sponsored by the U.S. Department of Housing and Urban Development (HUD). The project design intends to integrate flood protection into the community fabric, improving access to the waterfront rather than walling off the neighborhood.

Partners

NYC DDC
Department of Design and Construction

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www.nyc.gov/escr
Twitter: [@NYClimate](https://twitter.com/NYClimate)