

# East Side Coastal Resiliency

Masaryk Towers Meeting

July 23, 2019

Community Room  
75 Columbia Street





## 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.**





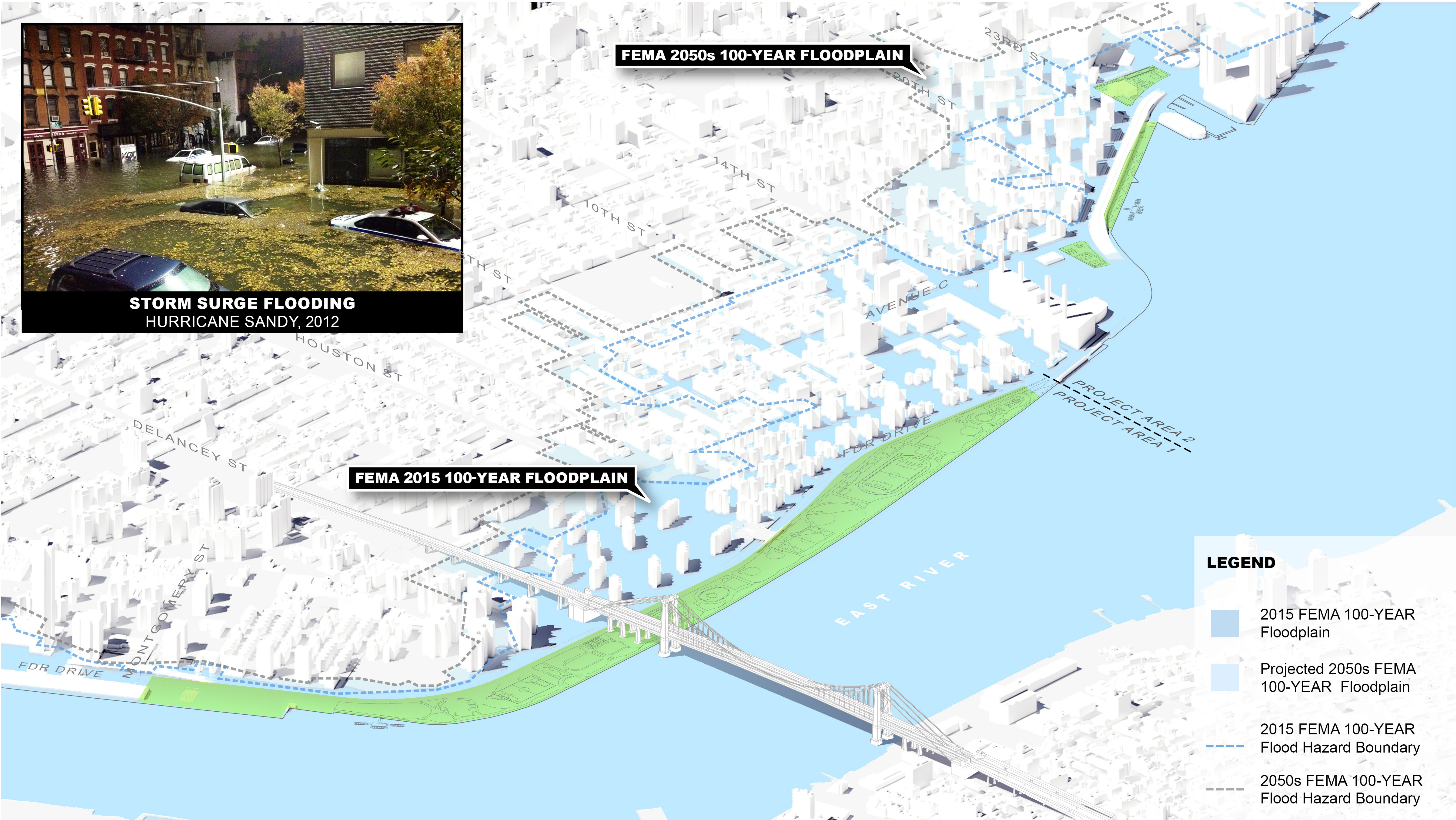


**PROJECT AREA 1 HOUSING COMPLEXES**  
 ADJACENT TO EAST RIVER PARK



# PROTECTING AGAINST FUTURE FLOODING

## CURRENT FLOODPLAIN

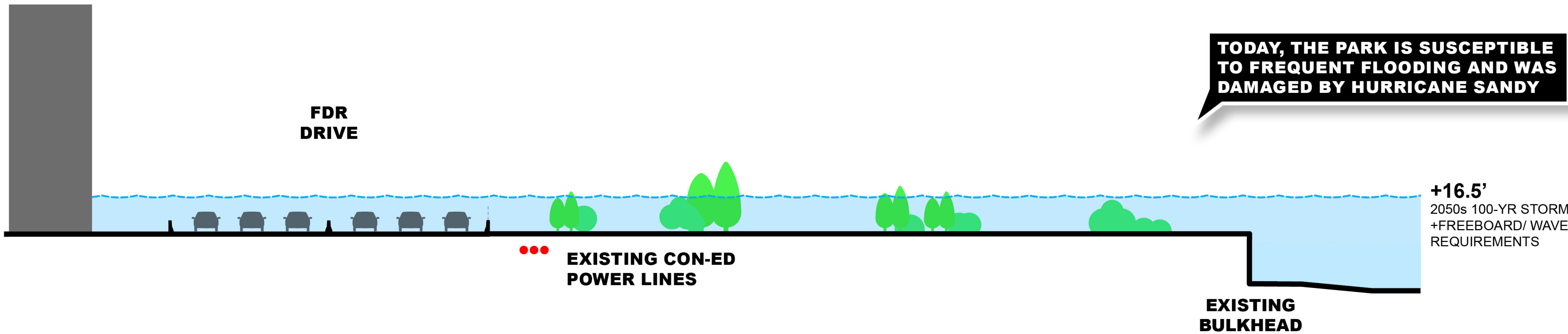




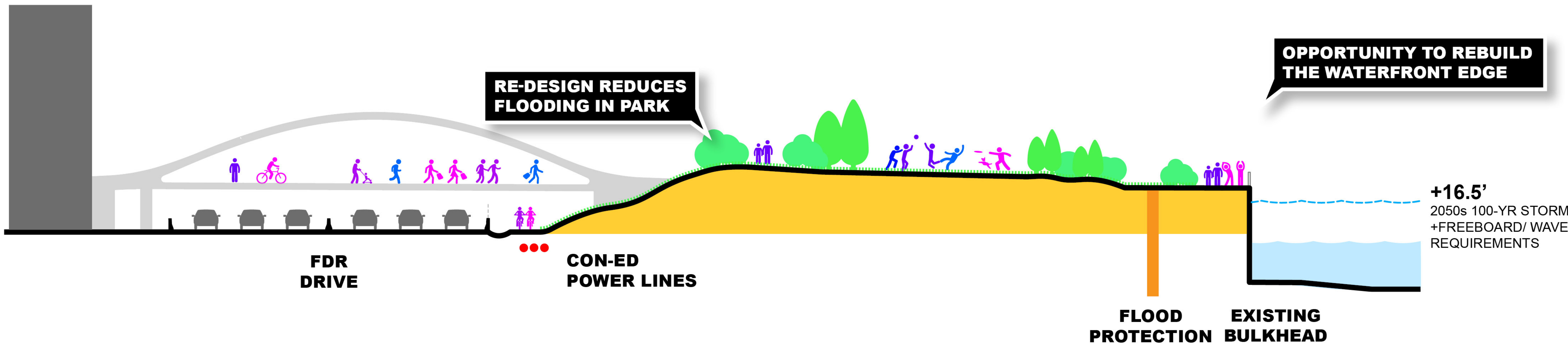
# IMPROVED PARK RESILIENCY

PARK IS ABOVE THE 2050s 100-YEAR FLOODPLAIN

## EXISTING CONDITIONS



## CURRENT PLAN



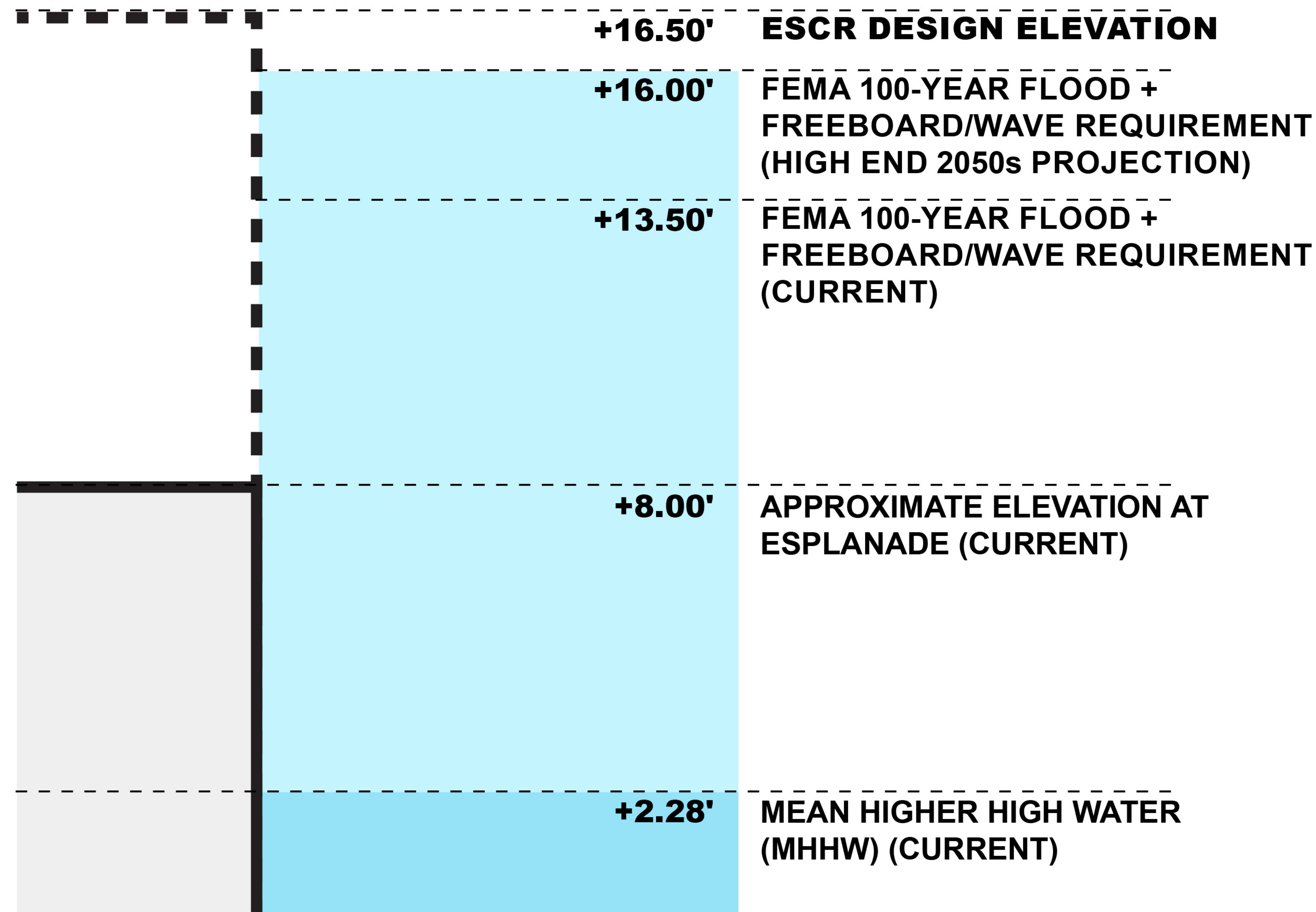


# IMPROVED PARK RESILIENCY

## 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**

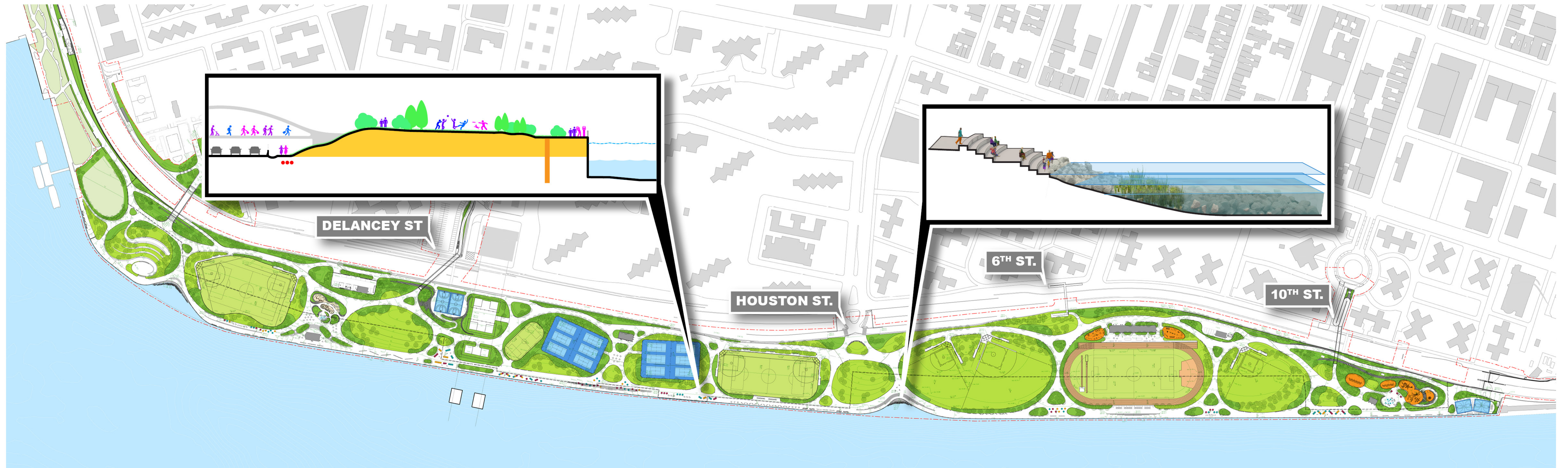


NOTE: ALL ELEVATIONS SHOWN IN NAVD88



# CURRENT PLAN

## PROJECT GOALS



- **INTEGRATE PASSIVE FLOOD PROTECTION**
- **IMPROVE WATERFRONT ACCESS & OPEN SPACES**
- **ACHIEVE TIMELINE & FUNDING MILESTONES**
- **TIMELY DELIVERY OF FLOOD PROTECTION**



# IMPROVED OPEN SPACE

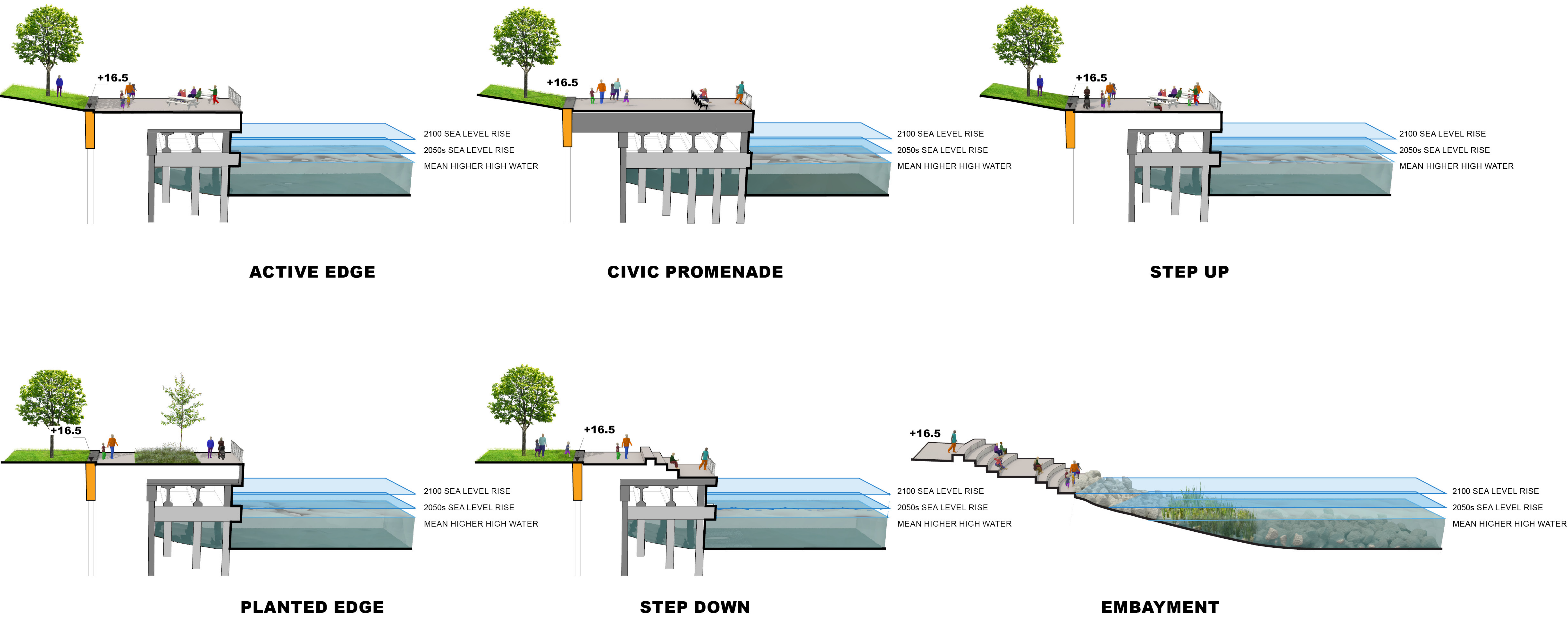
## PARK PROGRAM COMPARISON





# IMPROVED PARK RESILIENCY

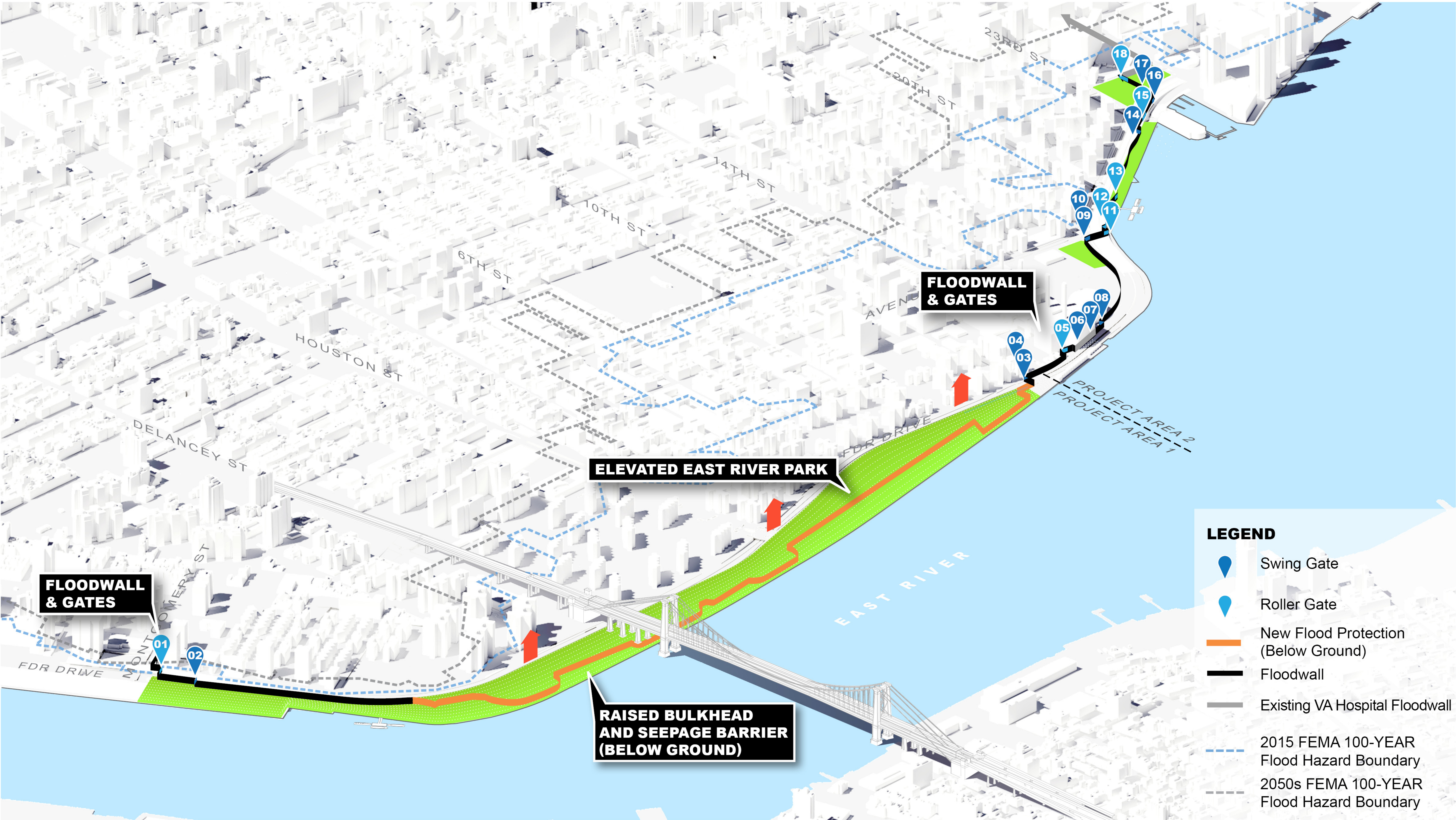
## DIFFERENT EXPERIENCES FOR WATERFRONT ACCESS





# IMPROVED RESILIENCY FOR COMMUNITY

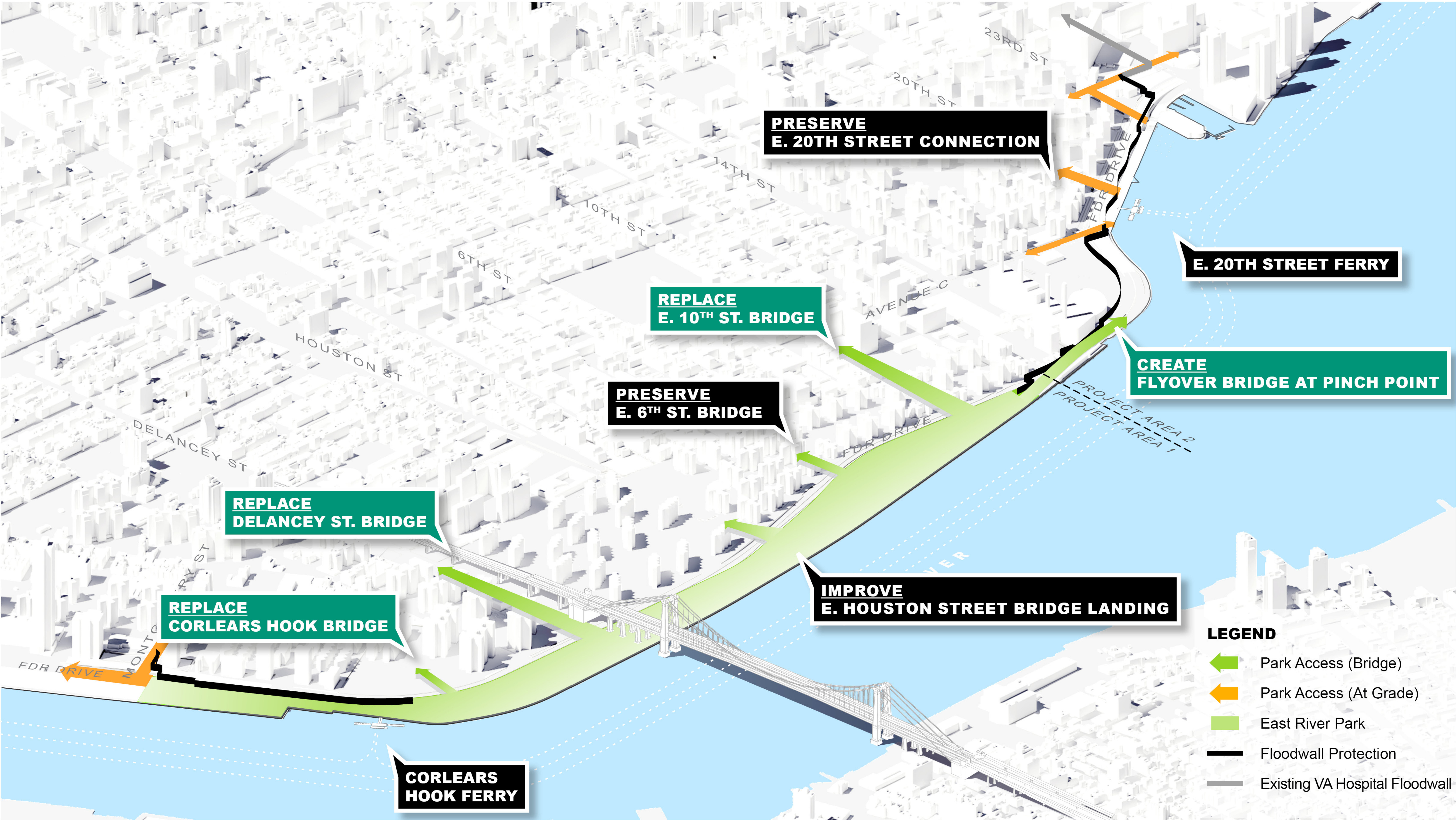
## INTEGRATED FLOOD PROTECTION SYSTEM





# IMPROVED WATERFRONT ACCESS

REPLACING, IMPROVING AND CREATING NEW CONNECTIONS





An aerial photograph of a city, likely New York City, showing a dense urban area with a river and a bridge. The image is overlaid with a teal filter. The text "DRAINAGE IMPROVEMENTS" is centered in white, bold, uppercase letters.

# DRAINAGE IMPROVEMENTS

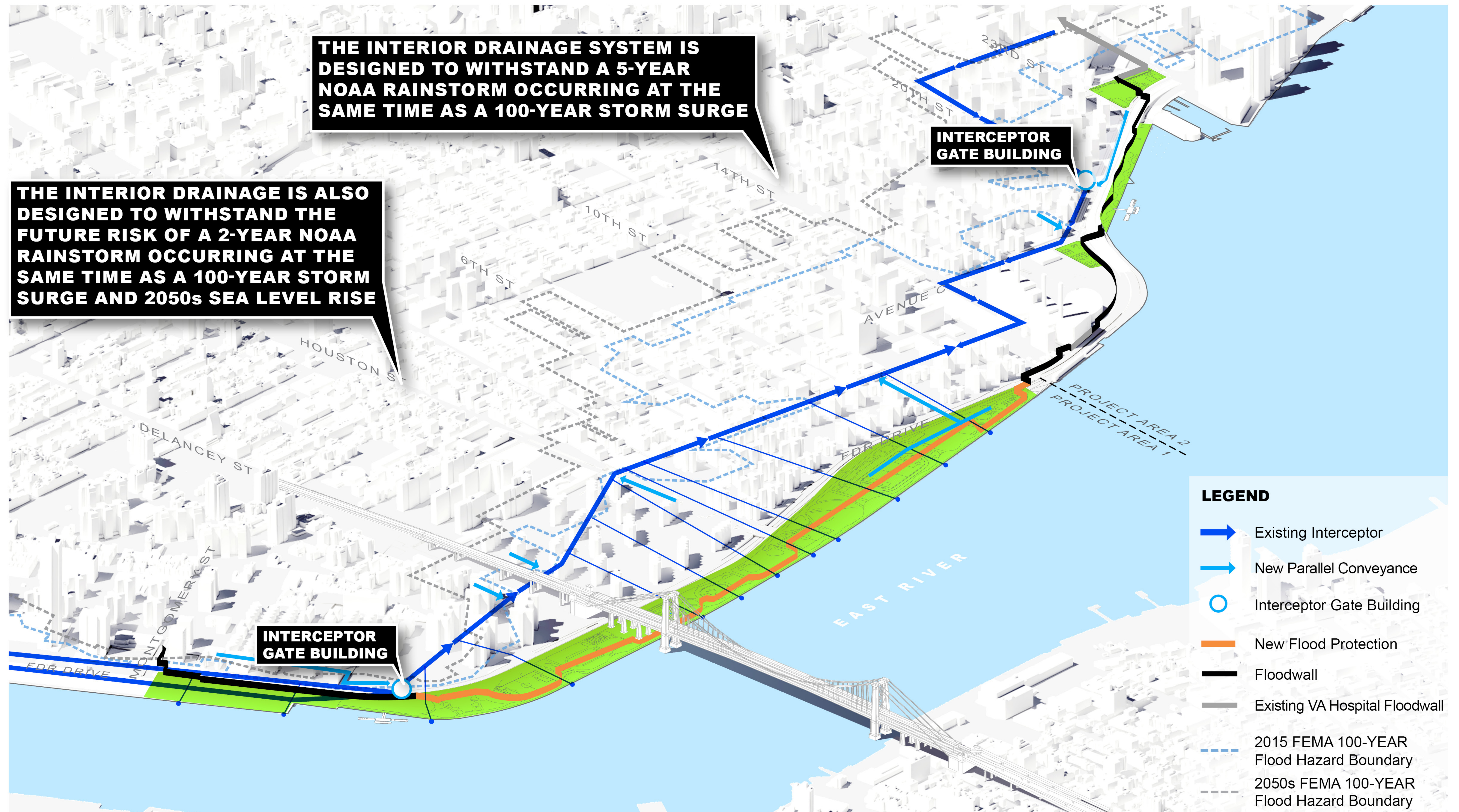


# ENHANCING DRAINAGE INFRASTRUCTURE

## INTERIOR DRAINAGE SYSTEM COMPONENTS AND DESIGN CRITERIA

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

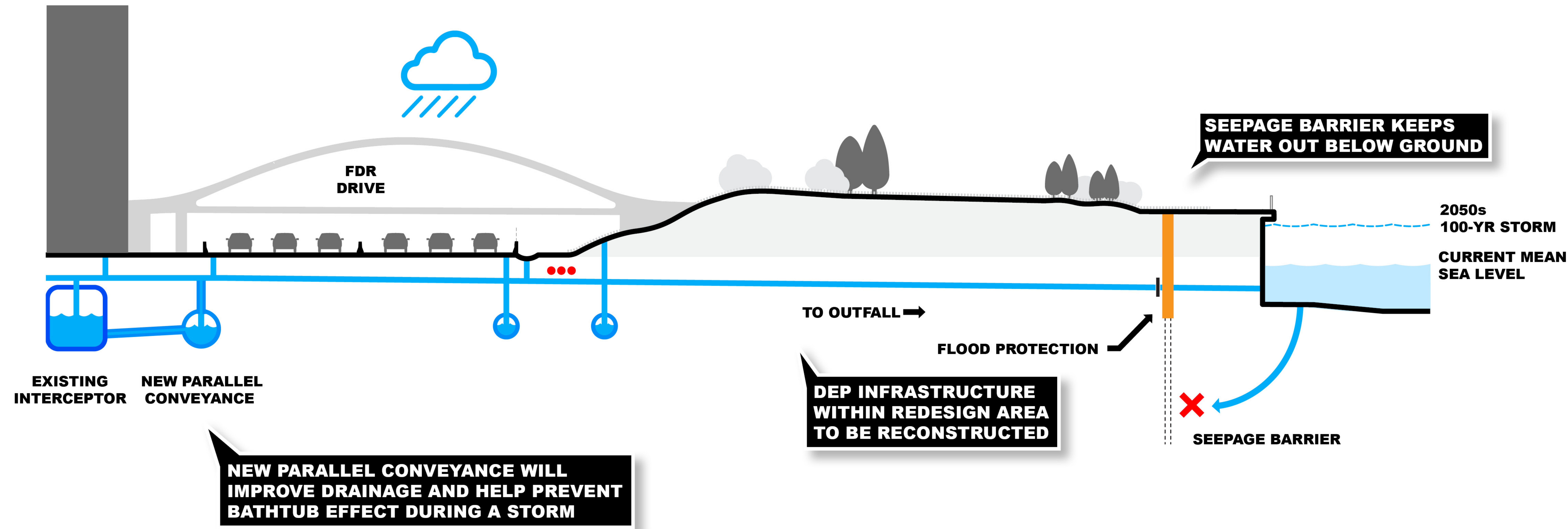
THE INTERIOR DRAINAGE IS ALSO DESIGNED TO WITHSTAND THE FUTURE RISK OF A 2-YEAR NOAA RAINSTORM OCCURRING AT THE SAME TIME AS A 100-YEAR STORM SURGE AND 2050s SEA LEVEL RISE





# PARK & FDR DRAINAGE

RAINWATER COLLECTED AT MULTIPLE POINTS BETWEEN PARK AND FDR





# **IMPROVED 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

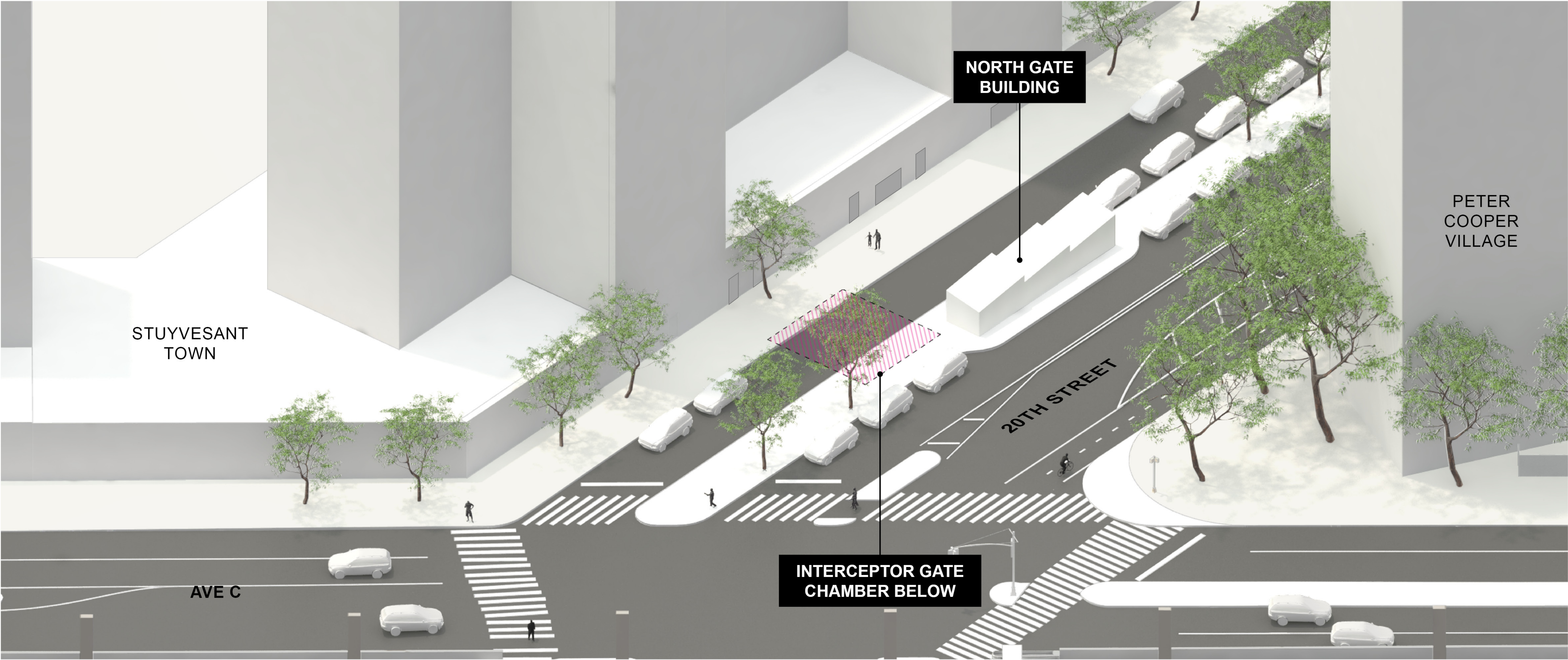
## SOUTH INTERCEPTOR GATE CHAMBER BUILDING





# IMPROVED DRAINAGE

## NORTH INTERCEPTOR GATE CHAMBER BUILDING





# WHAT WE'VE HEARD - EAST RIVER PARK



PLAN ROLL OUT ON DECEMBER 10<sup>TH</sup>



PLAN ROLL OUT ON DECEMBER 11<sup>TH</sup>







**AREA 4: TRACK & EAST 10<sup>TH</sup> STREET**

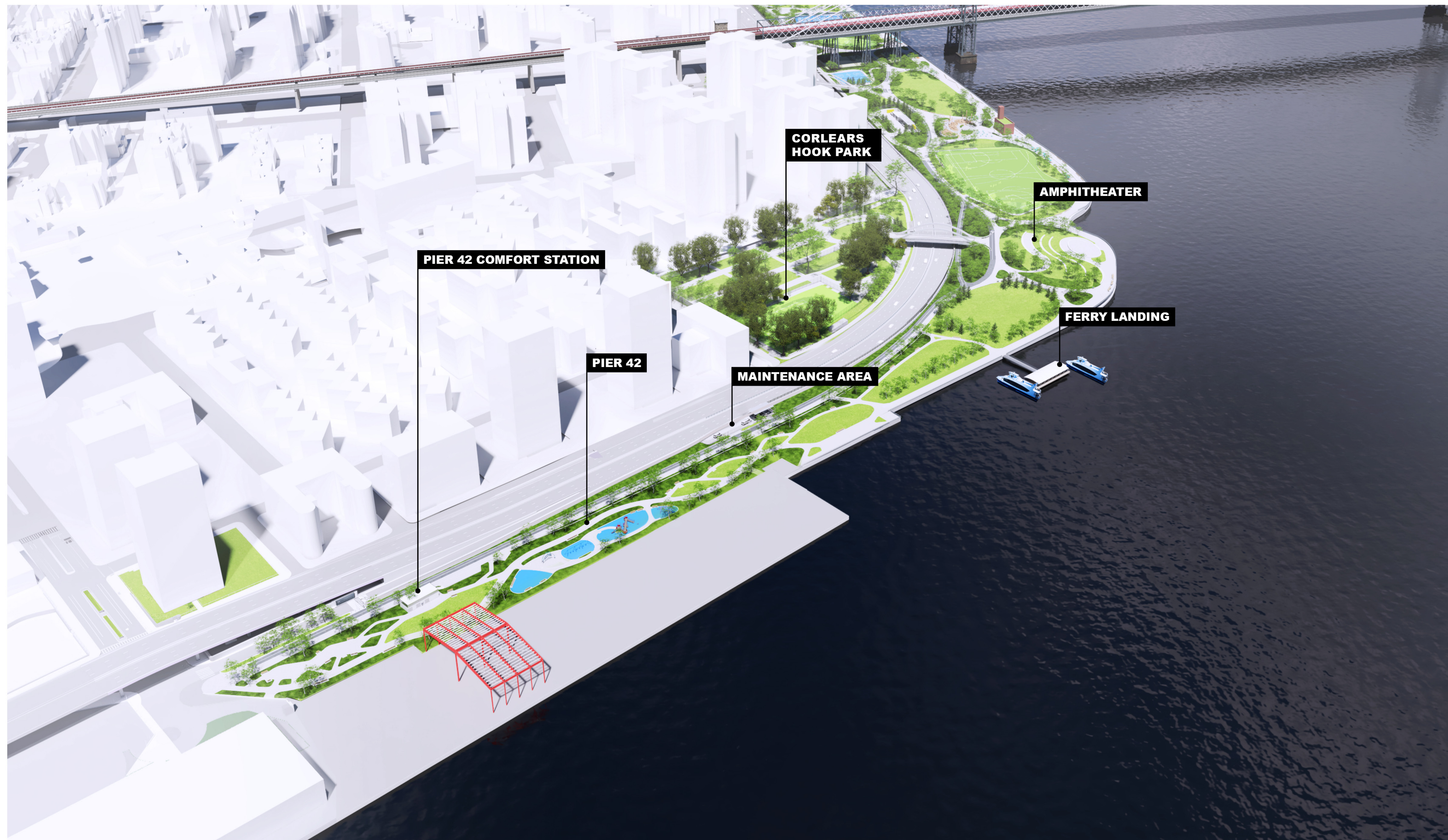
**AREA 3: HOUSTON STREET AREA**

**AREA 2: DELANCEY**

**AREA 1: PIER 42 AREA**







**AREA 1: PIER 42 AREA**  
PRELIMINARY PLAN





**AREA 2: DELANCEY**  
PRELIMINARY PLAN





**DELANCEY OVERLOOK**  
EXISTING CONDITIONS





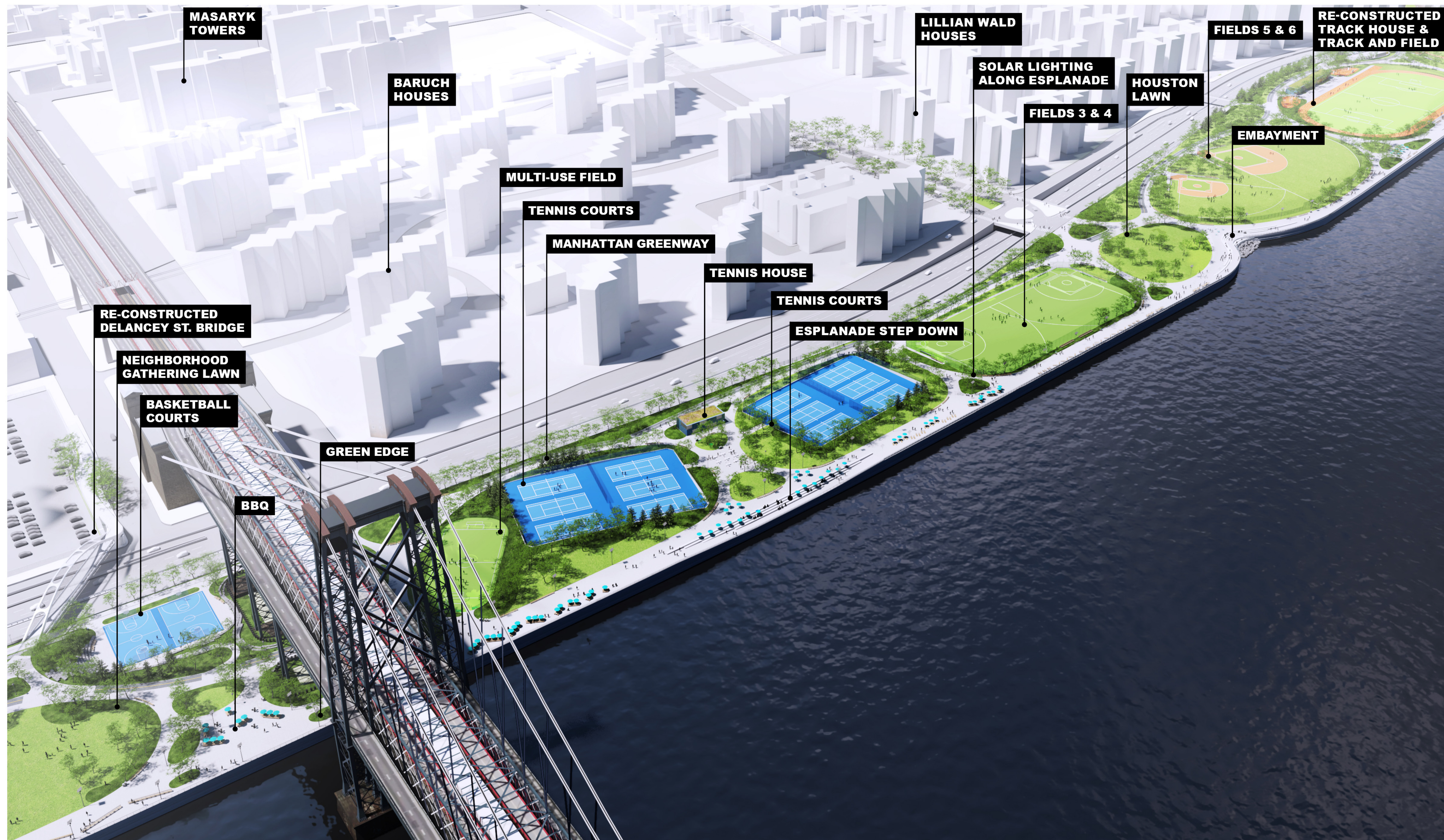
**DELANCEY OVERLOOK**  
PRELIMINARY DESIGN





**DELANCEY OVERLOOK**  
PRELIMINARY DESIGN - STORM CONDITIONS





### AREA 3: HOUSTON STREET AREA

PRELIMINARY DESIGN





**RENDERING DEPICTS 2015 MEAN HIGHER HIGH WATER**

**HOUSTON AREA**  
PRELIMINARY DESIGN





**RENDERING DEPICTS 2050 MEAN HIGHER HIGH WATER**

**HOUSTON AREA**  
PRELIMINARY DESIGN





**HOUSTON AREA**  
PRELIMINARY DESIGN





**AREA 4: TRACK & E. 10<sup>TH</sup> ST.**  
PRELIMINARY DESIGN





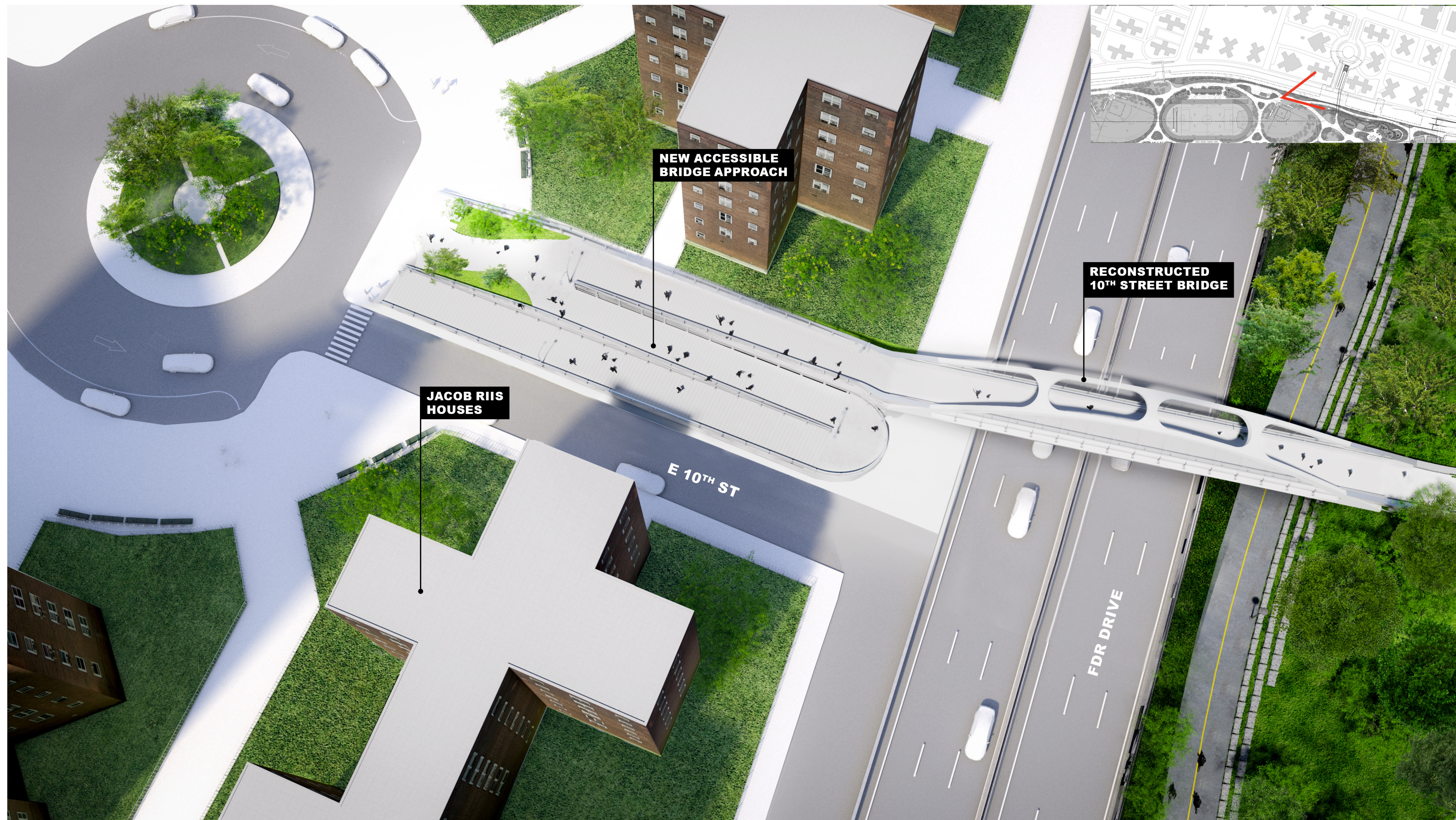
**TRACK & FIELD AREA**  
PRELIMINARY DESIGN





**TRACK & FIELD AREA**  
PRELIMINARY DESIGN - STORM CONDITIONS





**E 10<sup>TH</sup> STREET BRIDGE**  
PRELIMINARY DESIGN





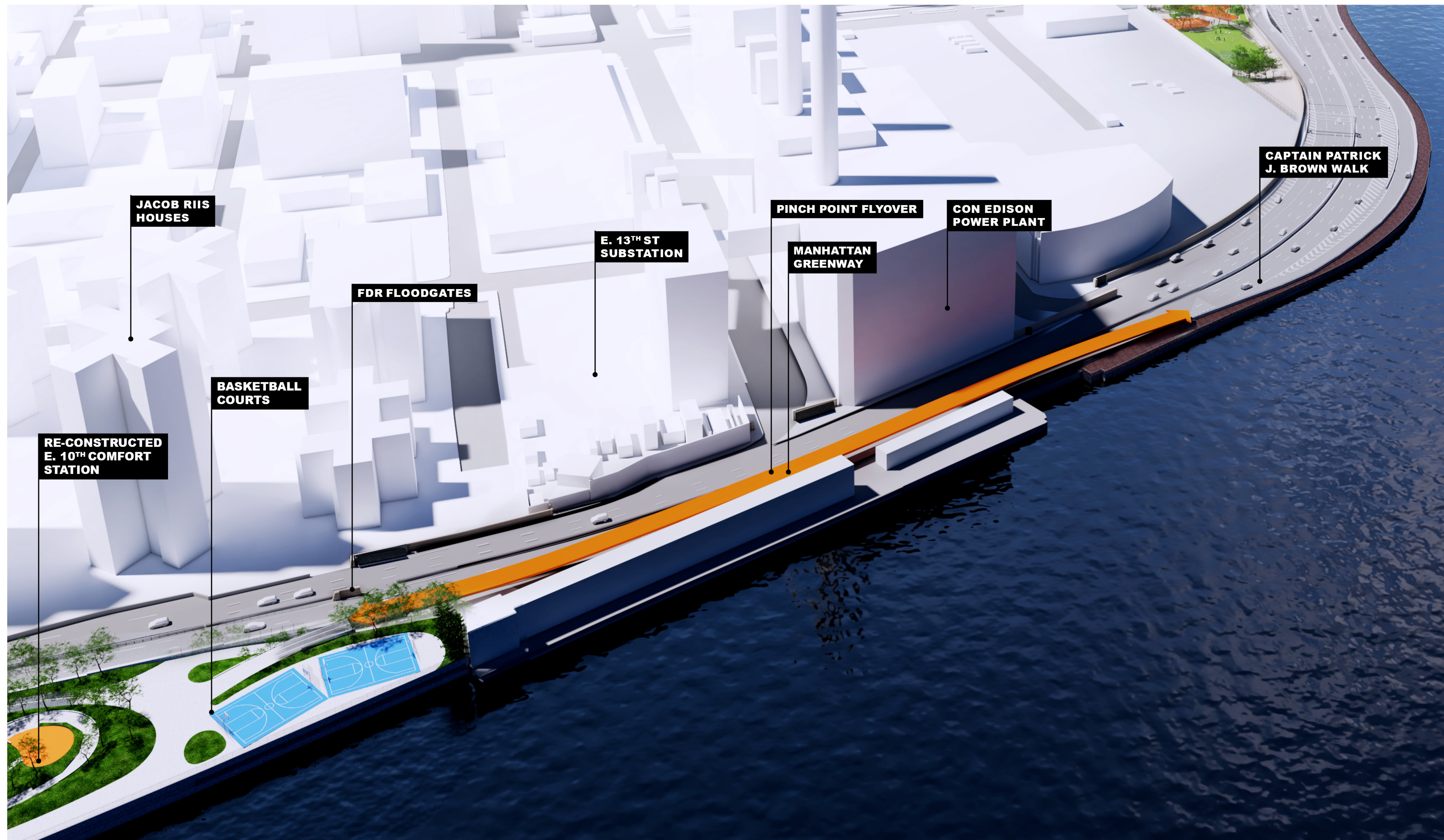
**E 10<sup>TH</sup> STREET BRIDGE**  
PRELIMINARY DESIGN





**E 10<sup>TH</sup> STREET BRIDGE**  
BRIDGE VIEW

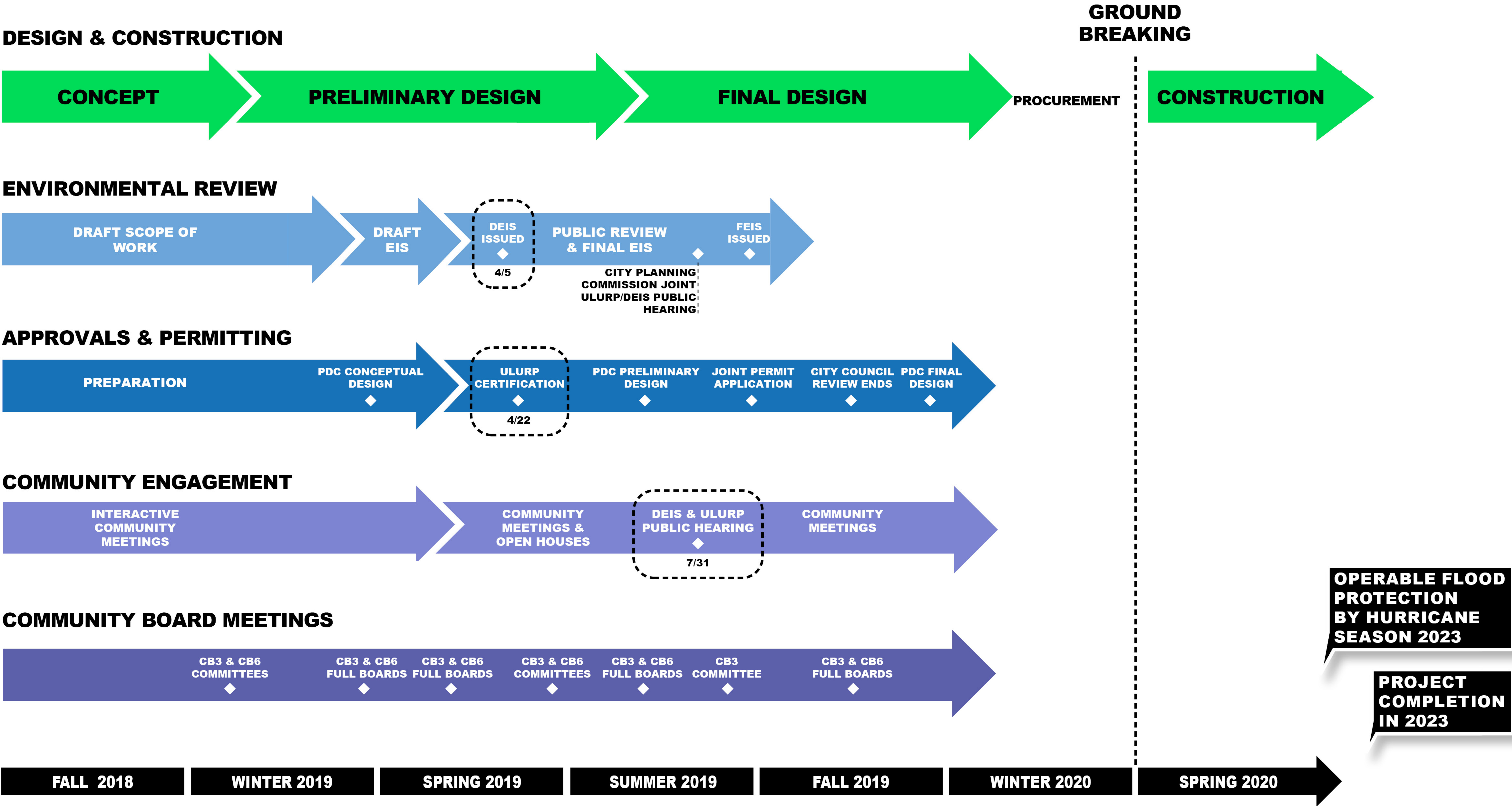




**PINCH POINT FLYOVER BRIDGE**  
 PRELIMINARY DESIGN



# PROJECT SCHEDULE OVERVIEW







**COMMUNITY MEETINGS**



**NYCHA RESIDENTS MEETINGS**



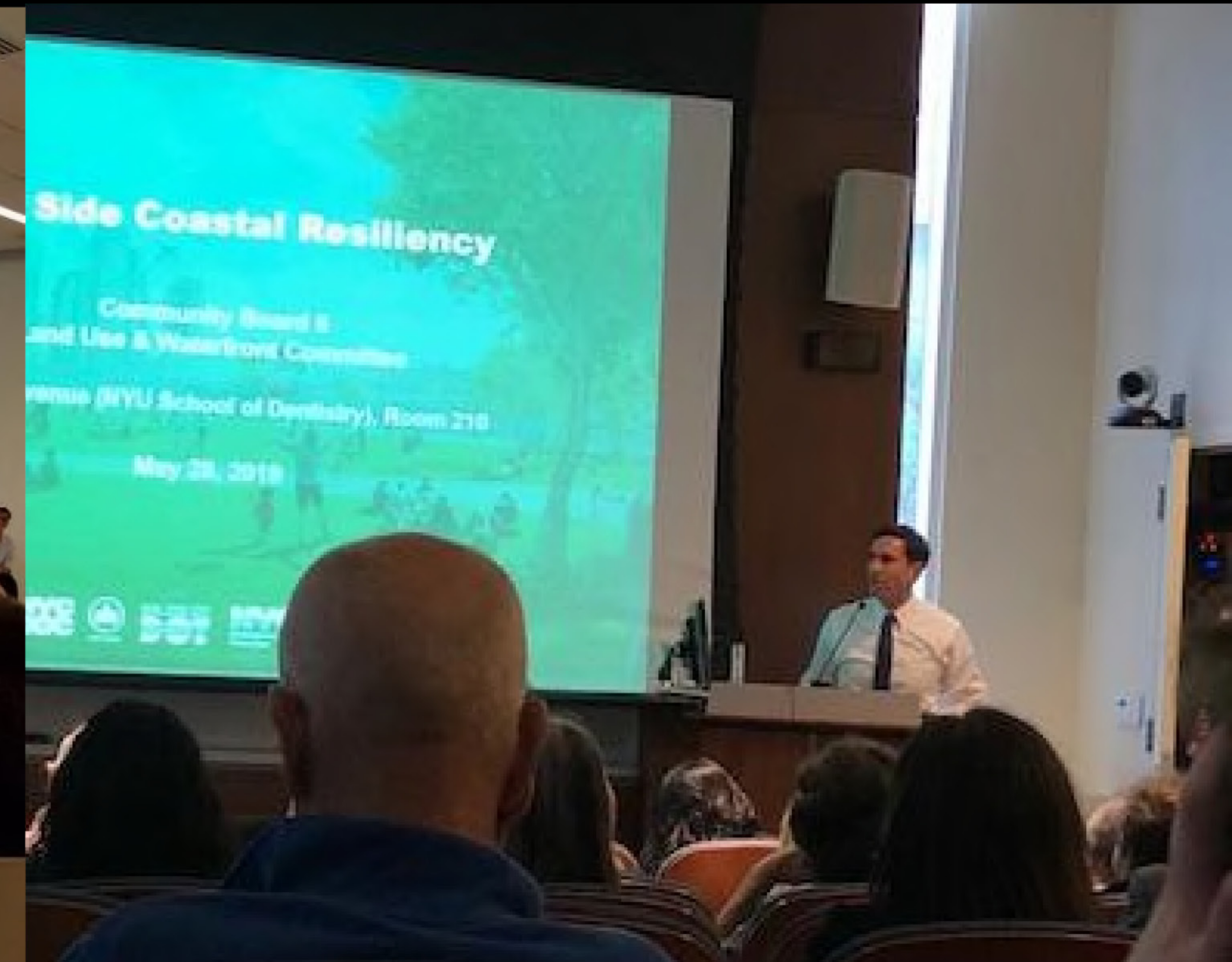
**CB3 MEETINGS**



**OPEN HOUSES**



**COMMUNITY BASED ORGANIZATIONS**



**CB6 MEETINGS**



# STAKEHOLDER & COMMUNITY ENGAGEMENT

## MEETINGS TO DATE

### STAKEHOLDER

- LUNGS
- LES READY!
- NYCHA Resident Association Leadership
- New Yorkers for Parks
- Lower East Side Power Partnership
- Regional Plan Association
- Gouverneur Gardens Co-Op Residents
- NYCHA Riis Residents
- NYCHA Baruch Residents
- NYCHA Vladeck Houses Tenants Association
- NYCHA Smith Houses Tenants Association
- NYCHA LaGuardia Houses Tenants Association
- East River Housing Corp, Board & Residents
- NYCHA LES II, V & Bracetti Plaza Residents
- East River Alliance
- Friends of Corlears Hook Park
- NYCHA Lillian Wald Residents
- GOLES
- LES Ecology Center
- Public School Athletic League (PSAL)
- Peter Stuyvesant Little League
- Waterside Plaza Tenants Association Leadership
- Waterside Plaza Management
- Stuyvesant Town- Peter Cooper Village Tenants Association
- Knickerbocker Village
- Waterfront Alliance
- Solar One
- Peter Cooper Village
- Stuyvesant Town
- Stuyvesant Town-Peter Cooper Village Management
- Design and Programming workshops for Murphy Brothers and Asser Levy Playgrounds
- Multiple Asser Levy Alignment Meetings
- VA Hospital
- NYU Langone
- Masaryk Towers Residents

### STAKEHOLDER (continued)

- Large-scale Public Engagement Meetings: Most recent meetings held 12/10/2018; 12/11/2018
- Project Open Houses 05/14/2019 & 05/15/2019
- Grand Street - Town Hall 06/03/19
- Project Open Houses 06/05/19 & 06/06/19
- Various other targeted Stakeholder Meetings

### ELECTED OFFICIAL AND COMMUNITY BOARD MEETINGS

- Borough President Brewer
- Council Member Chin
- Council Member Rivera
- Council Member Powers
- Council Speaker Johnson
- Assembly Member Niou
- Assembly Member Epstein
- Assembly Speaker Heastie
- Senator Hoylman
- Senator Kavanaugh
- Representative Maloney
- Representative Velazquez
- City Council Parks and Recreation Committee Public Hearing
- CB3 Parks/Waterfront Committee
- CB3 Full Board
- CB6 Land Use/Waterfront Committee
- CB6 Parks Committee
- CB6 Full Board
- CB6 Working Group
- CB3/CB6 Joint Waterfront Task Force
- B.P. Brewer ULURP Hearing



An aerial photograph of a city, likely New York City, showing a dense urban area with a river and a bridge. The image is overlaid with a teal gradient. The text "ENVIRONMENTAL REVIEW & APPROVALS" is centered in white, bold, sans-serif font.

# ENVIRONMENTAL REVIEW & APPROVALS



# ENVIRONMENTAL REVIEW

## STANDARDS AND EIS ALTERNATIVES

### COORDINATED ENVIRONMENTAL REVIEW UNDER 3 STATUTES:

*Environmental Impact Statement (EIS) will satisfy requirements of all three statutes*

- **National Environmental Policy Act (NEPA)**
- **State Environmental Quality Review Act (SEQRA)**
- **City Environmental Quality Review (CEQR)**

### LEAD AGENCIES:

*Environmental review coordinated by head agencies, with cooperating, involved and interested Federal, State and City agencies*

- **NEPA - NYC Office of Management and Budget**
- **SEQRA/CEQR - Department of Parks & Recreation**

### EIS ALTERNATIVES:

#### **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**


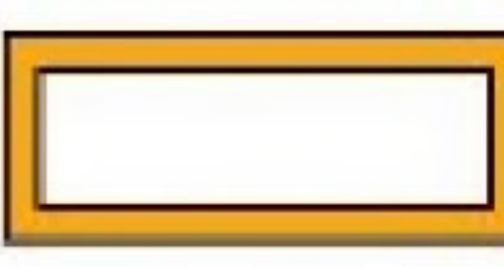


# UNIFORM LAND USE REVIEW PROCEDURE

## PROPOSED ACTIONS



Source: Aerial Image - NYS

-  Project Area One
-  Project Area Two



# DEIS IMPACT ANALYSIS OVERVIEW

## DEIS OPERATIONAL ANALYSES

- Land Use, Zoning, and Public Policy (Ch. 5.1)
- Socioeconomics (Ch. 5.2)
- Open Space (Ch. 5.3)
- Historic and Cultural Resources (Ch. 5.4)
- ***Urban Design & Visual Resources (Views)\*\**** (Ch. 5.5)
- Natural Resources (Ch. 5.6)
- Hazardous Materials (Ch. 5.7)
- Water & Sewer Infrastructure (Ch. 5.8)
- Transportation (Ch. 5.9)
- Neighborhood Character (Ch. 5.10)
- Environmental Justice (Ch. 5.11)

*\*Potential for Significant Adverse Effects*

*\*\*Unavoidable*

## DEIS CONSTRUCTIONAL ANALYSES

- Socioeconomics (Ch. 6.1)
- ***Open Space\*\**** (Ch. 6.2)
- Historic & Cultural Resources (Ch. 6.3)
- Urban Design & Visual Resources (views) (Ch. 6.4)
- Natural Resources (Ch. 6.5)
- Hazardous Materials (Ch. 6.6)
- Water & Sewer Infrastructure (Ch. 6.7)
- Energy (Ch. 6.8)
- ***Transportation\**** (Ch. 6.9)
- Air Quality (Ch. 6.10)
- Greenhouse Gas Emissions (Ch. 6.11)
- ***Noise & Vibration\*\**** (Ch. 6.12)
- Public Health (Ch. 6.13)



# NYC PARKS ANTICIPATED NEIGHBORHOOD IMPROVEMENTS

## PARK UPGRADES



SPORTS COATING



RAIN GARDENS



TREE PLANTING



PAINTING



ASPHALT TO TURF



SOLAR FIELD LIGHTS



# NYC PARKS ANTICIPATED NEIGHBORHOOD IMPROVEMENTS

MORE PROGRAMMING AND NEW PARK SPACES



ACCOMMODATING FIELD USERS



LAGUARDIA BATH HOUSE



MORE RECREATIONAL PROGRAMMING



PIER 42 PHASE 1: UPLAND PARK



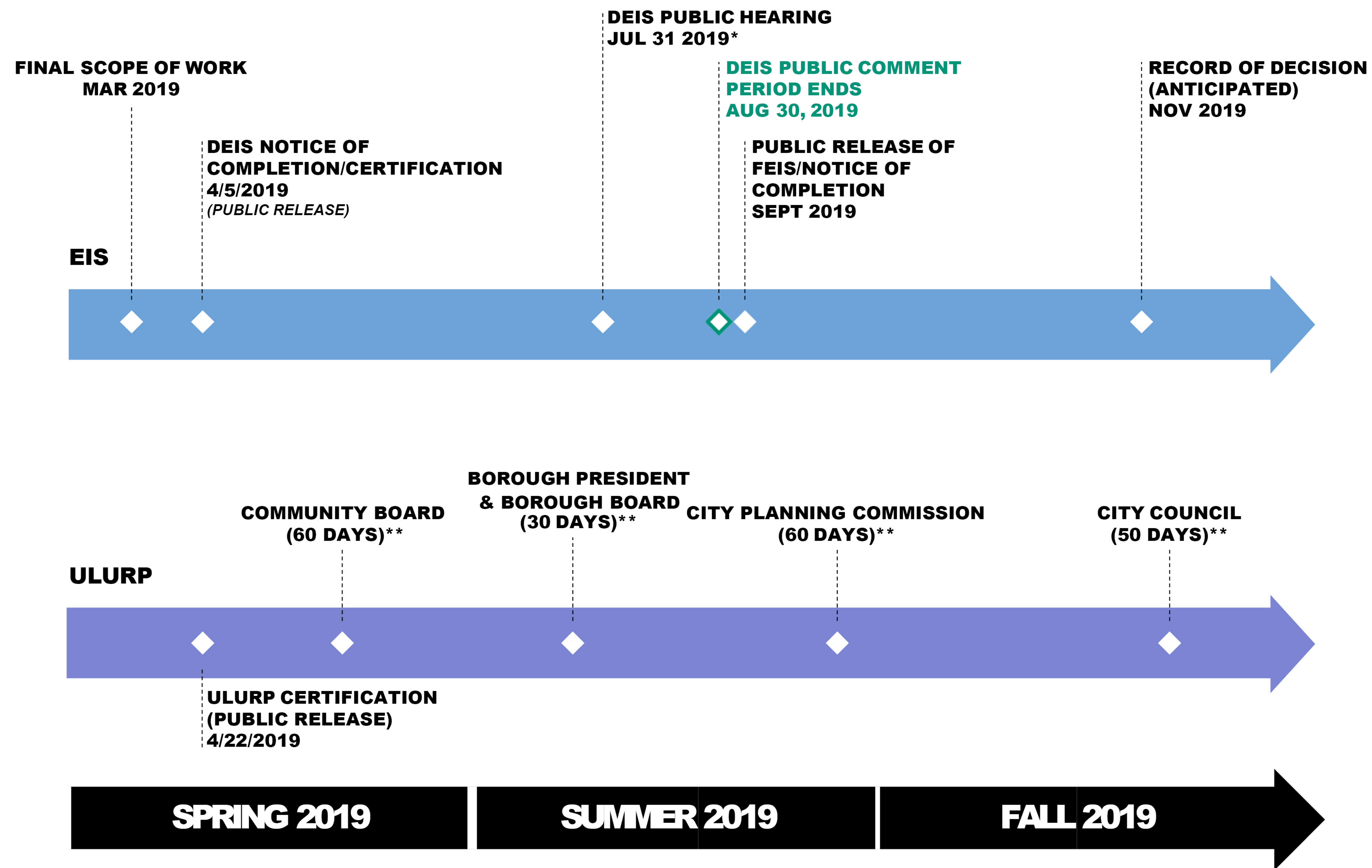
MORE NEIGHBORHOOD PARK STAFF



PIER 35



# NEXT STEPS: PUBLIC INPUT TO THE EIS/ULURP PROCESSES



\* DEIS COMMENT PERIOD EXTENDS 15 DAYS AFTER PUBLIC HEARING  
\*\* INCLUDES PUBLIC HEARING



# 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

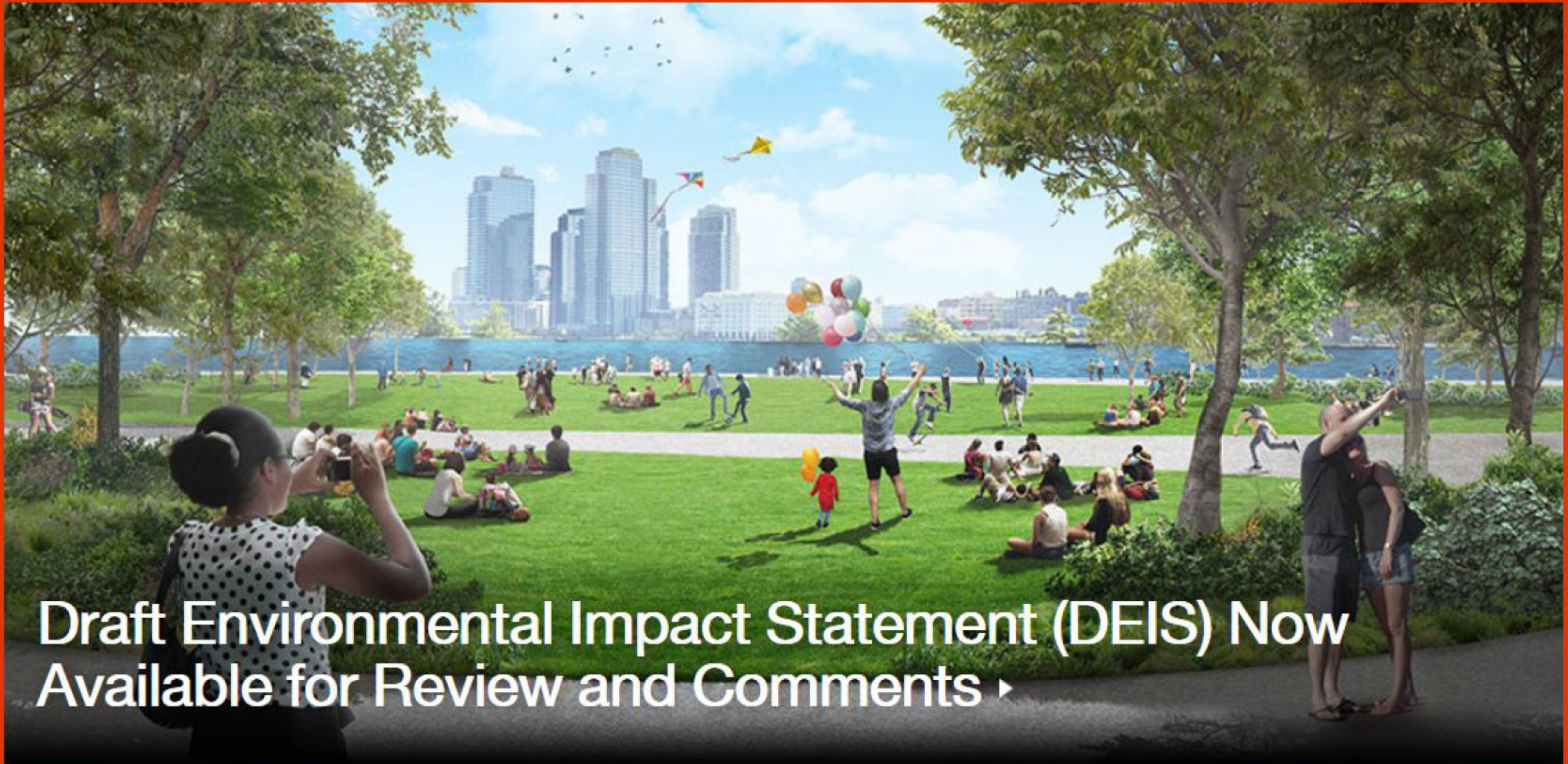
Background

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.

Since early visioning, the City has been working hand in hand with community

Partners



Department of Design and Construction

Visit Us!  
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