

Hearing on East Side Coastal Resiliency

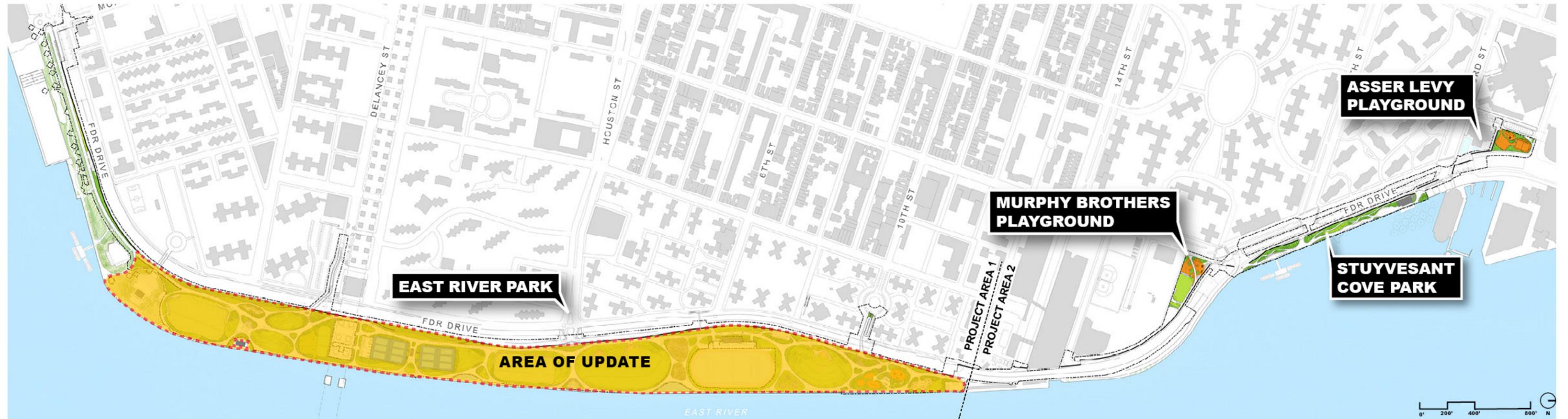
New York City Council Committees on Parks and Recreation
and Environmental Protection

January 23, 2019



PROJECT AREA

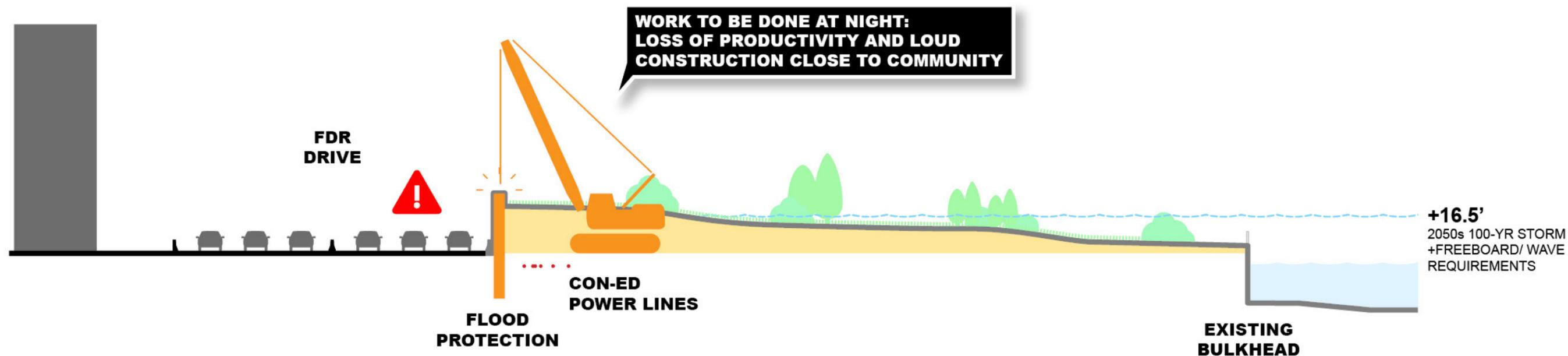
EAST SIDE COASTAL RESILIENCY PROJECT



IMPROVED CONSTRUCTABILITY

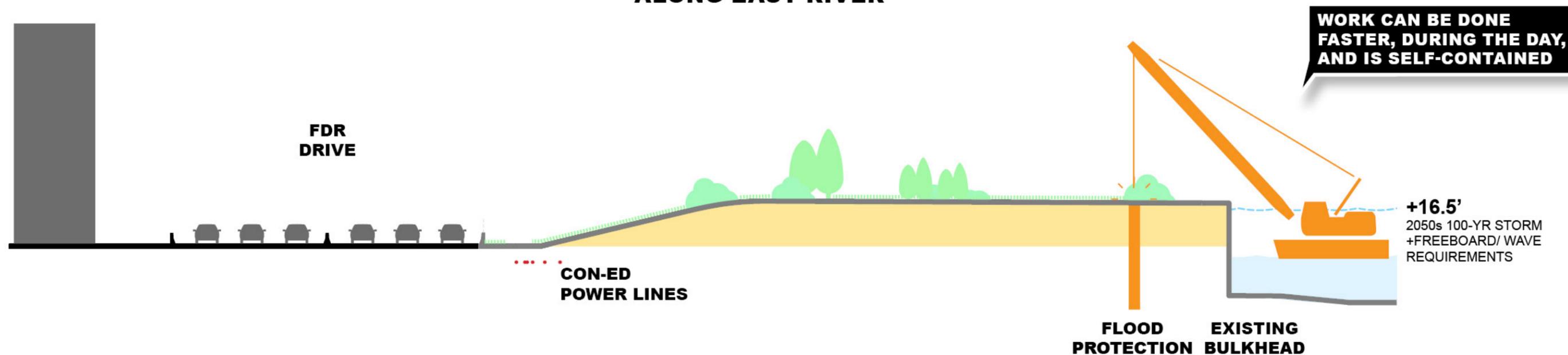
DELIVERY RISK REDUCED BY MINIMIZING FDR WORK

PREVIOUS PLAN:



CURRENT PLAN:

FLOOD PROTECTION ALONG FDR VS. ALONG EAST RIVER



IMPROVED SCHEDULE

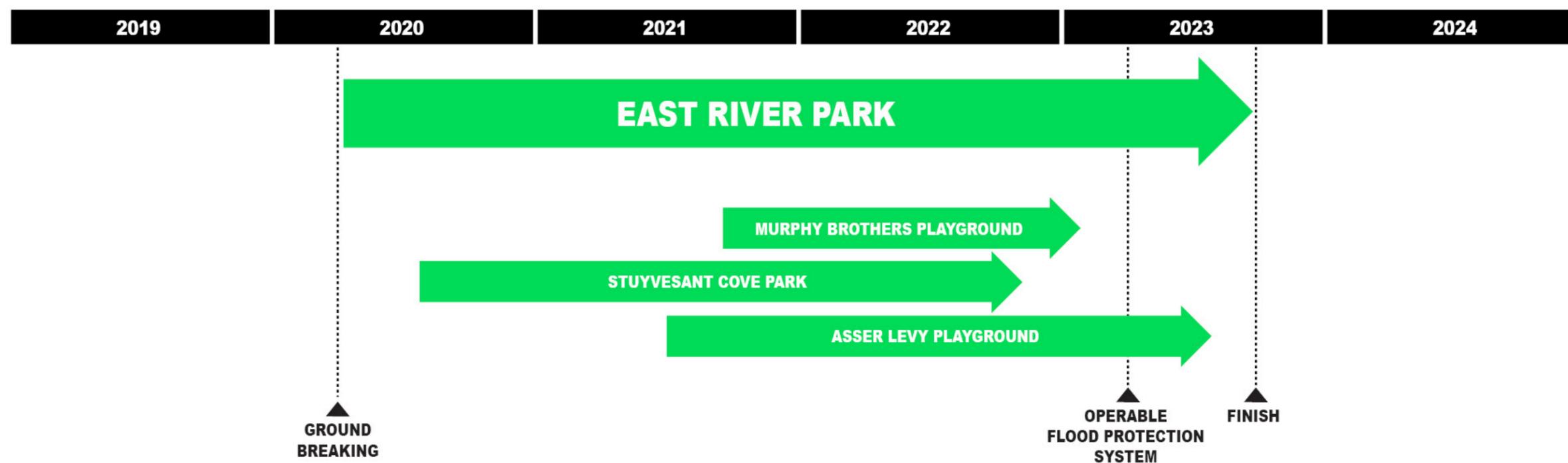
OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON

PREVIOUS PLAN



CURRENT PLAN

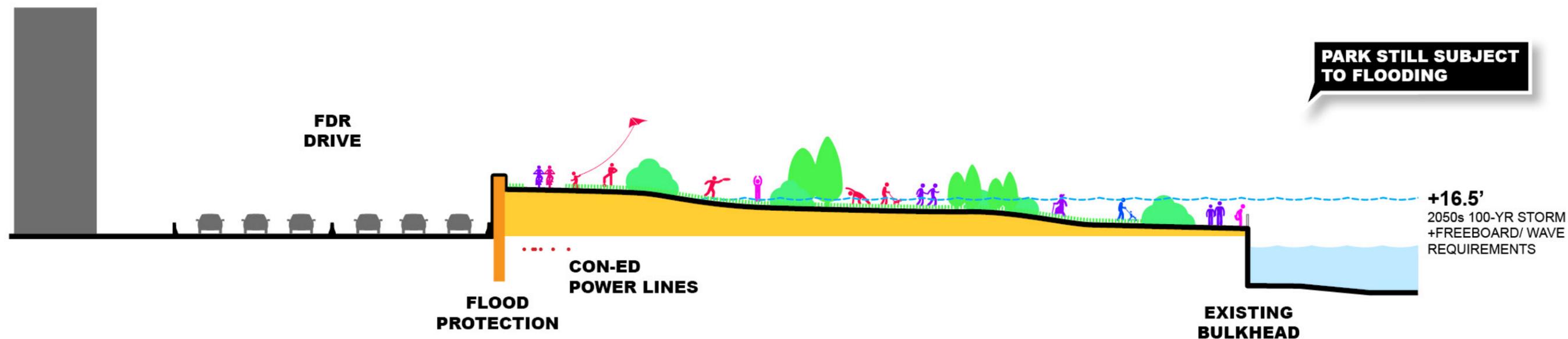
**FLOOD PROTECTION BY HURRICANE SEASON 2024
VS.
FLOOD PROTECTION BY HURRICANE SEASON 2023**



IMPROVED PARK RESILIENCY

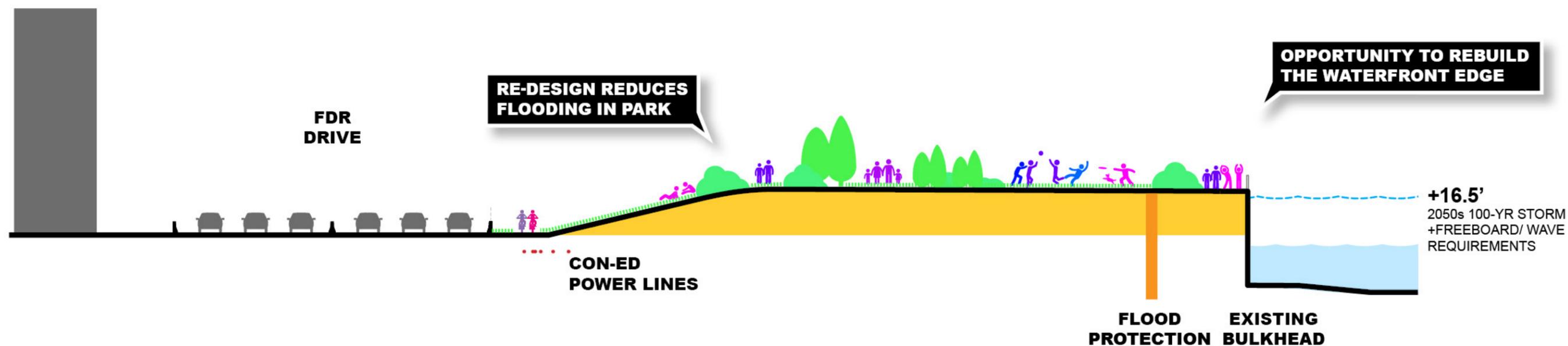
PARK IS ABOVE THE 2050s 100-YEAR FLOODPLAIN

PREVIOUS PLAN



CURRENT PLAN

FLOOD PROTECTION ALONG FDR VS. RAISED & REBUILT EAST RIVER PARK



PARK PROGRAM

DESIGN APPROACH

TODAY

PREVIOUS PLAN

CURRENT PLAN

EXPANDS USABLE PARK AREA



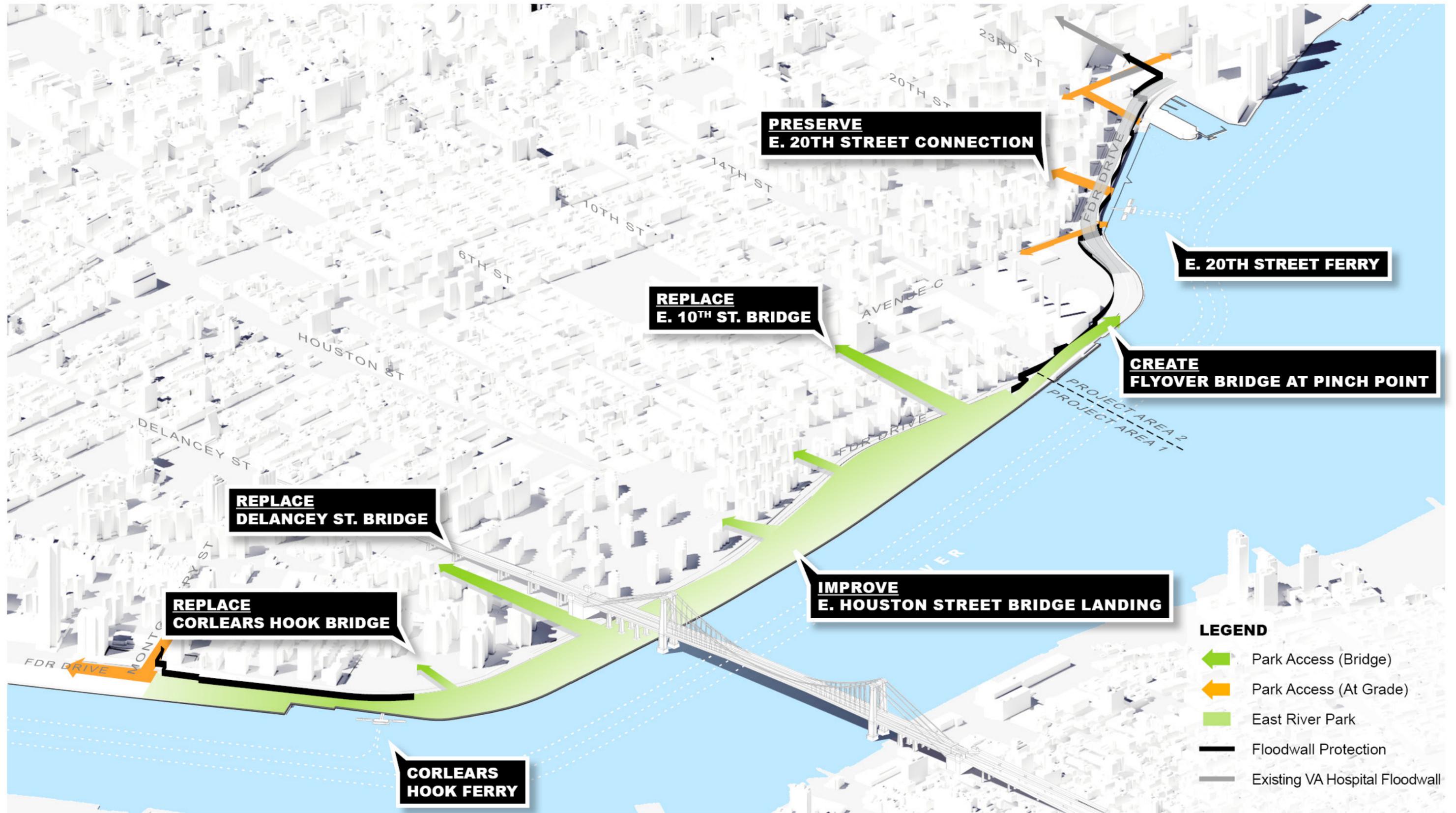


A GREAT WATERFRONT PARK



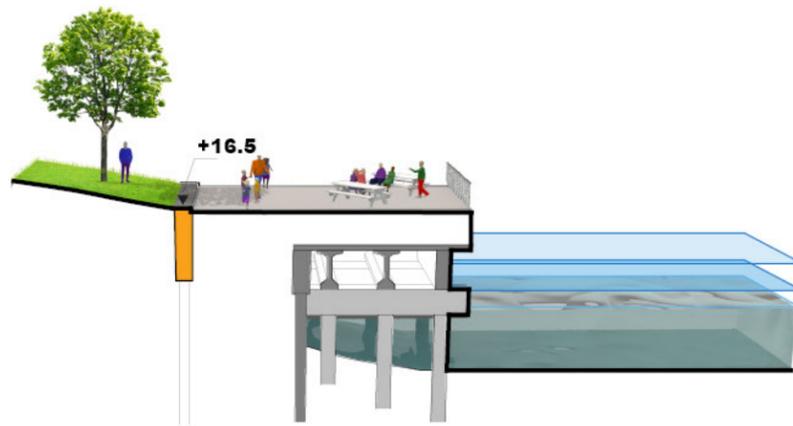
WATERFRONT OPEN SPACES & ACCESS

IMPROVING PARK ACCESS

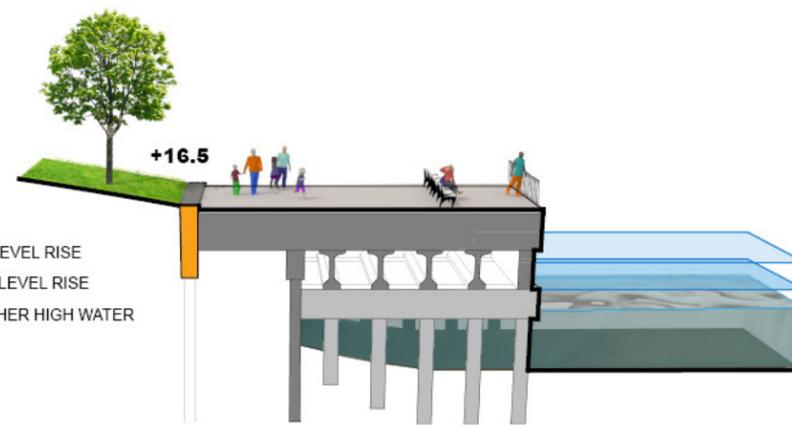


IMPROVED PARK RESILIENCY

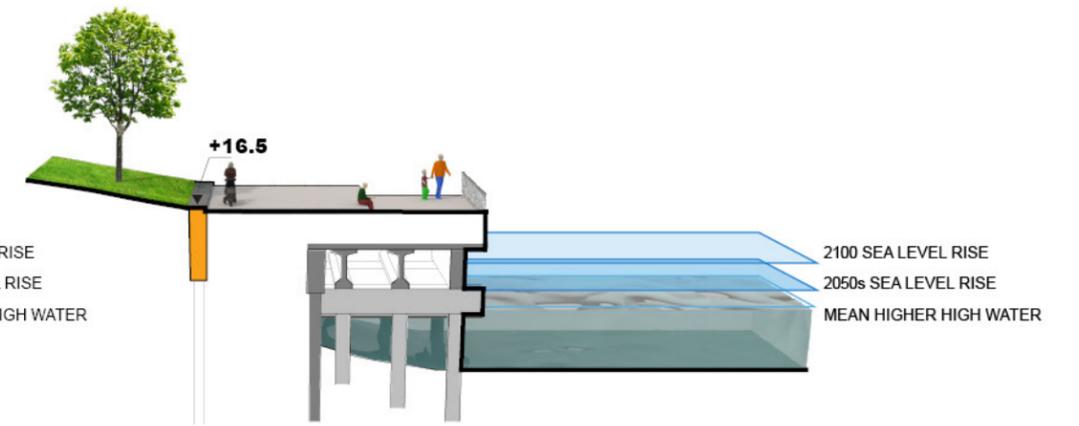
OPTIONS FOR INCORPORATING WATER ACCESS



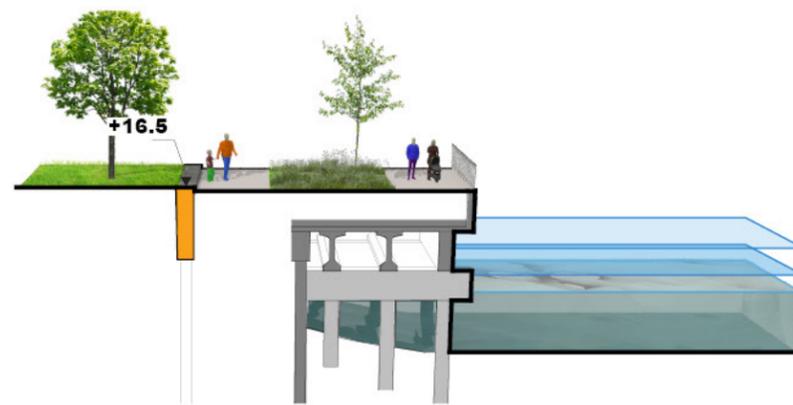
ACTIVE EDGE



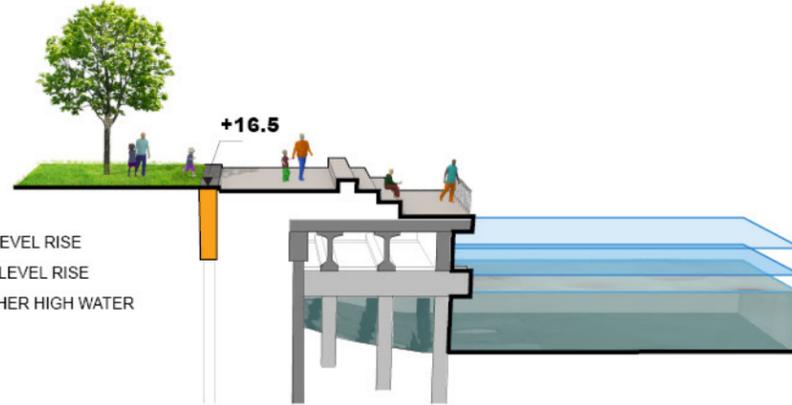
CIVIC PROMENADE



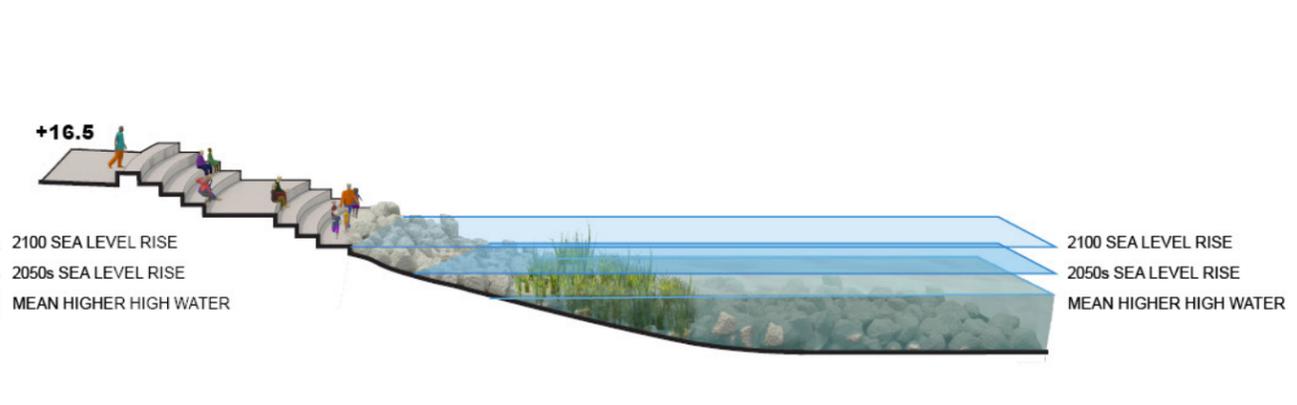
STEP UP



PLANTED EDGE



STEP DOWN



EMBAYMENT



RENDERING DEPICTS 2015 MEAN HIGHER HIGH WATER

HOUSTON AREA
CURRENT PLAN



RENDERING DEPICTS 2050 MEAN HIGHER HIGH WATER

HOUSTON AREA
CURRENT PLAN



NYCHA HOUSING
ADJACENT TO EAST RIVER PARK



TRACK & FIELD AREA
PREVIOUS DESIGN



TRACK & FIELD AREA
PREVIOUS DESIGN - STORM CONDITIONS



TRACK & FIELD AREA
CURRENT PLAN



TRACK & FIELD AREA
CURRENT PLAN - STORM CONDITIONS



DELANCEY OVERLOOK
EXISTING CONDITIONS



DELANCEY OVERLOOK
PREVIOUS PRELIMINARY DESIGN



DELANCEY OVERLOOK
PREVIOUS PRELIMINARY DESIGN - STORM CONDITIONS



DELANCEY OVERLOOK
CURRENT PLAN



DELANCEY OVERLOOK
CURRENT PLAN - STORM CONDITIONS

PARK RESILIENCY

OPPORTUNITY TO IMPROVE ECOLOGICAL HEALTH & BIODIVERSITY



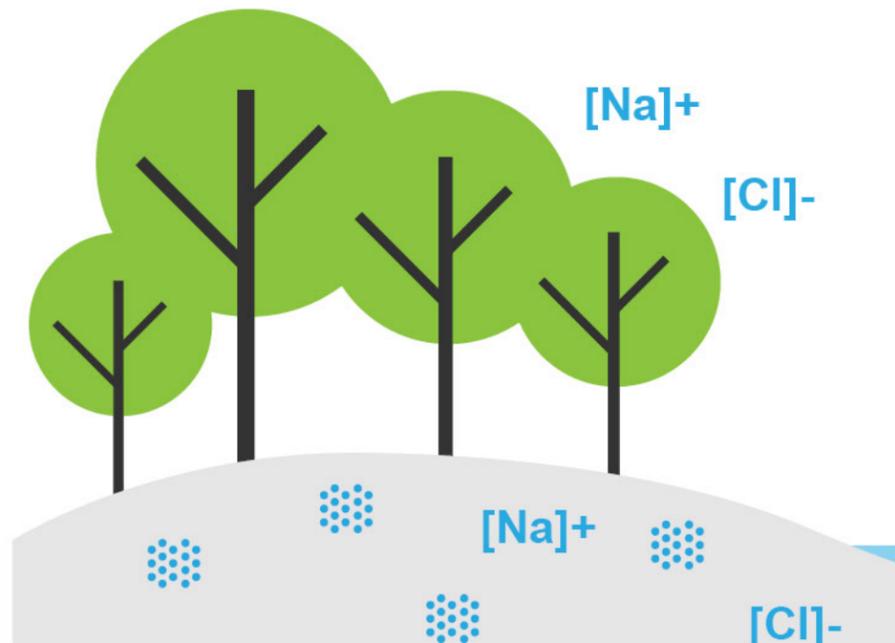
SPECIES DIVERSITY



HABITAT



MAINTENANCE & CARE

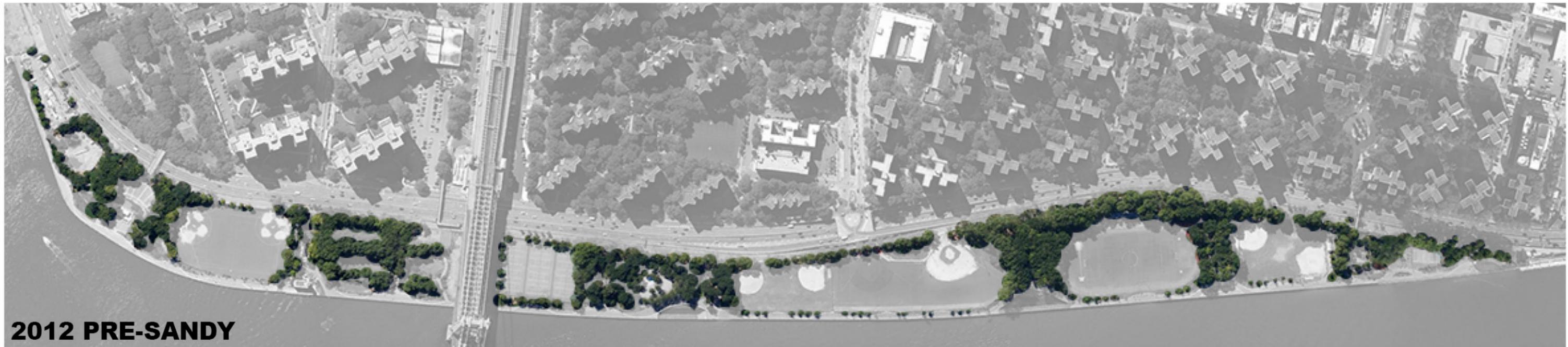


SALT SPRAY

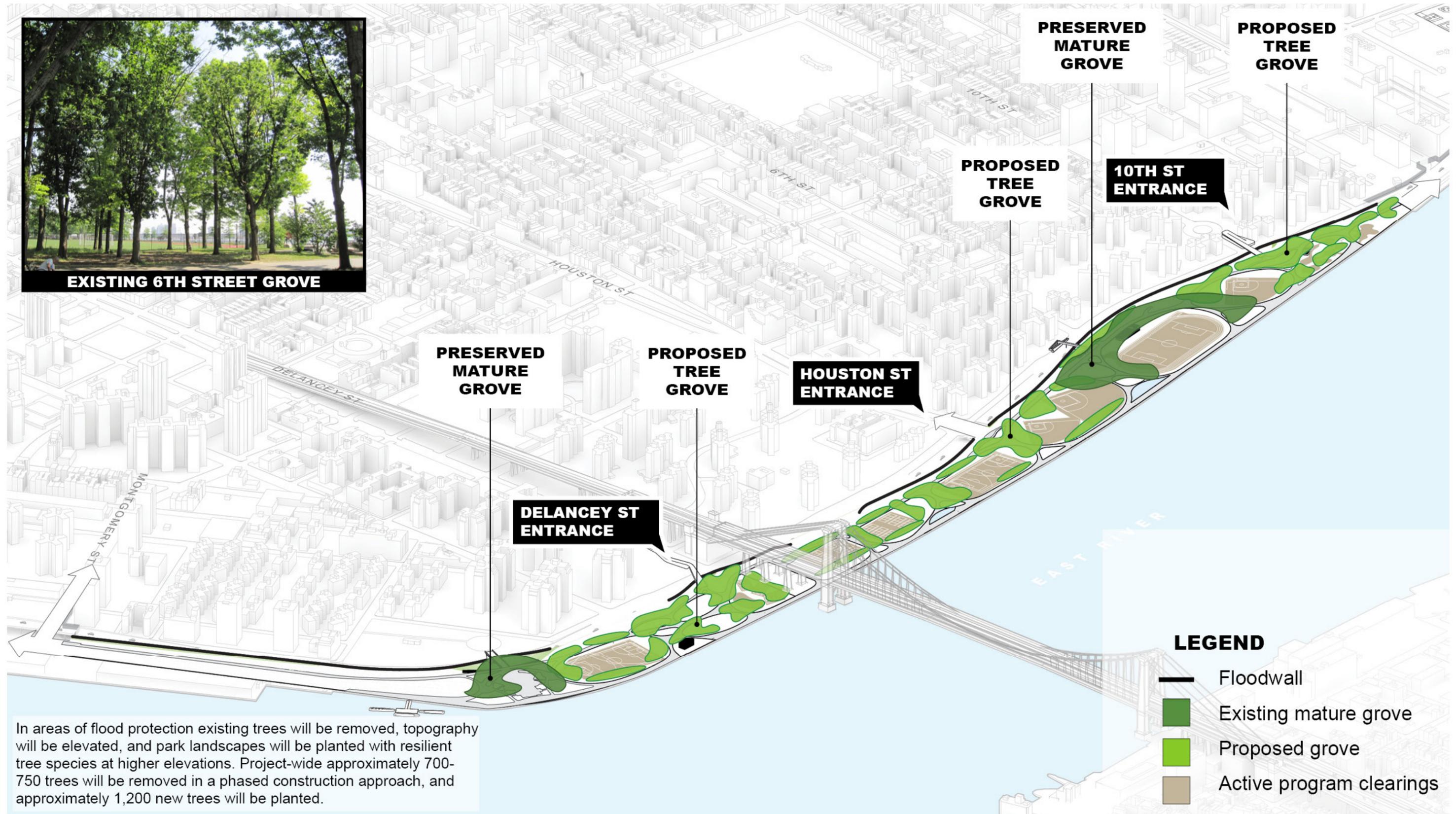


WIND

POST-SANDY CANOPY CHANGE



PRIOR PLANTING CONCEPT - MARCH 2018



In areas of flood protection existing trees will be removed, topography will be elevated, and park landscapes will be planted with resilient tree species at higher elevations. Project-wide approximately 700-750 trees will be removed in a phased construction approach, and approximately 1,200 new trees will be planted.

PLANTING CONCEPT



LAYERED GROVE

PASTORAL GROVE

INFORMAL GROVES OF TREES WILL BE PLANTED WITH A DIVERSE MIX OF TREE SPECIES FOR ECOLOGY, SHADE, AND RESILIENCY. BETWEEN 1,100 TO 1,300 TREES ARE ANTICIPATED TO BE PLANTED IN THE PARK

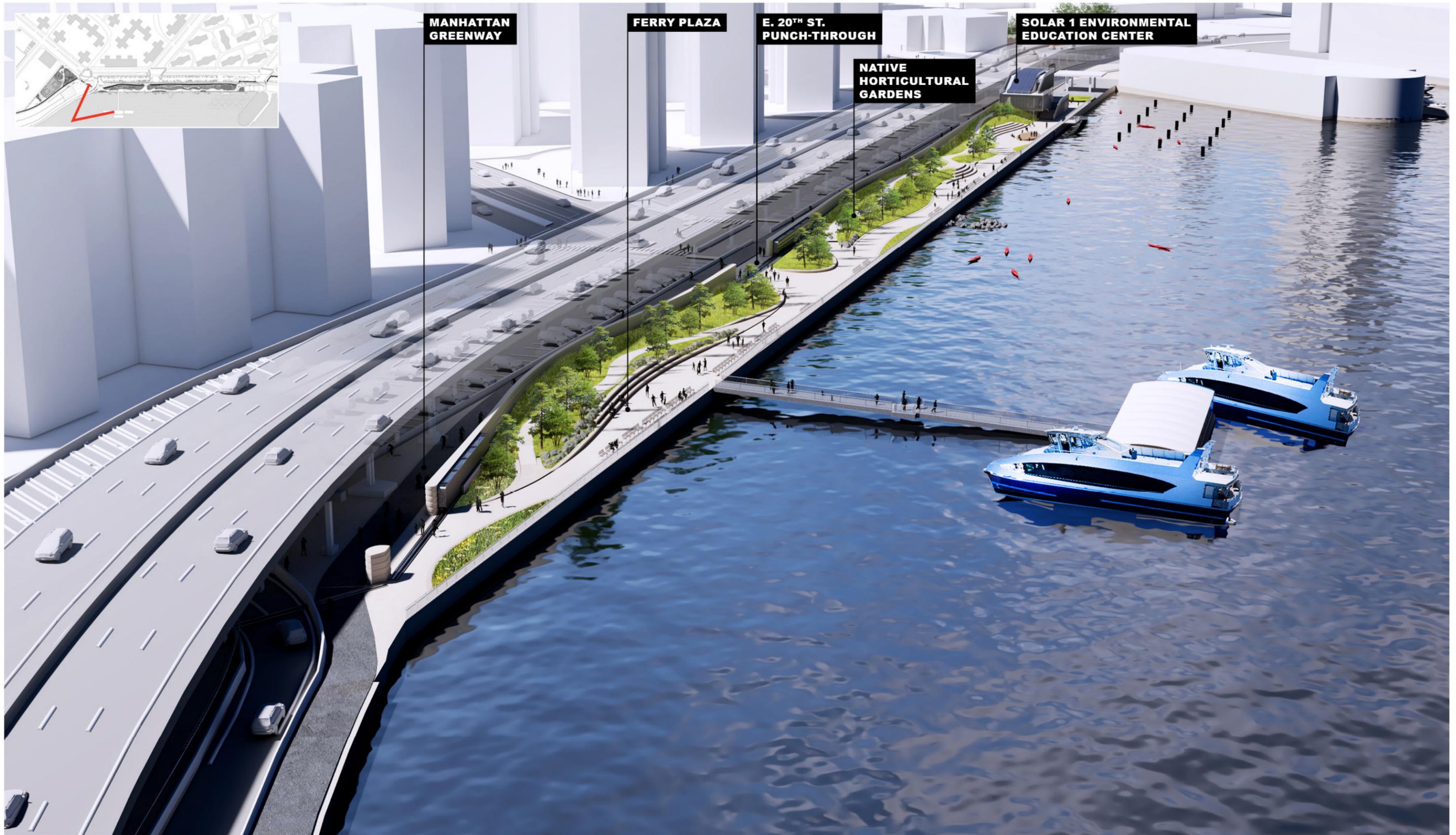
RENDERING DEPICTS VARIANCE IN TREE SPECIES GROWTH RATES. TREES ARE REPRESENTED WITH 10-20 YEARS OF GROWTH

An aerial, teal-tinted rendering of a city waterfront project. A multi-lane highway curves along the water's edge. To the left of the highway is a park area with green fields, trees, and a building. To the right is a body of water with several boats and a pier. The background shows a dense urban grid of buildings.

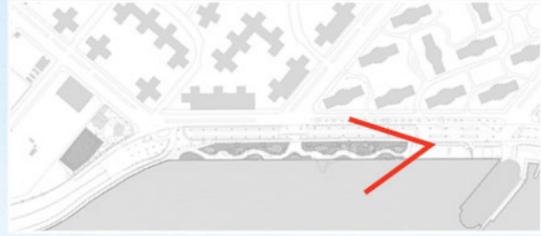
PROJECT AREA 2



PROJECT AREA 2 PARKS
PRELIMINARY DESIGN

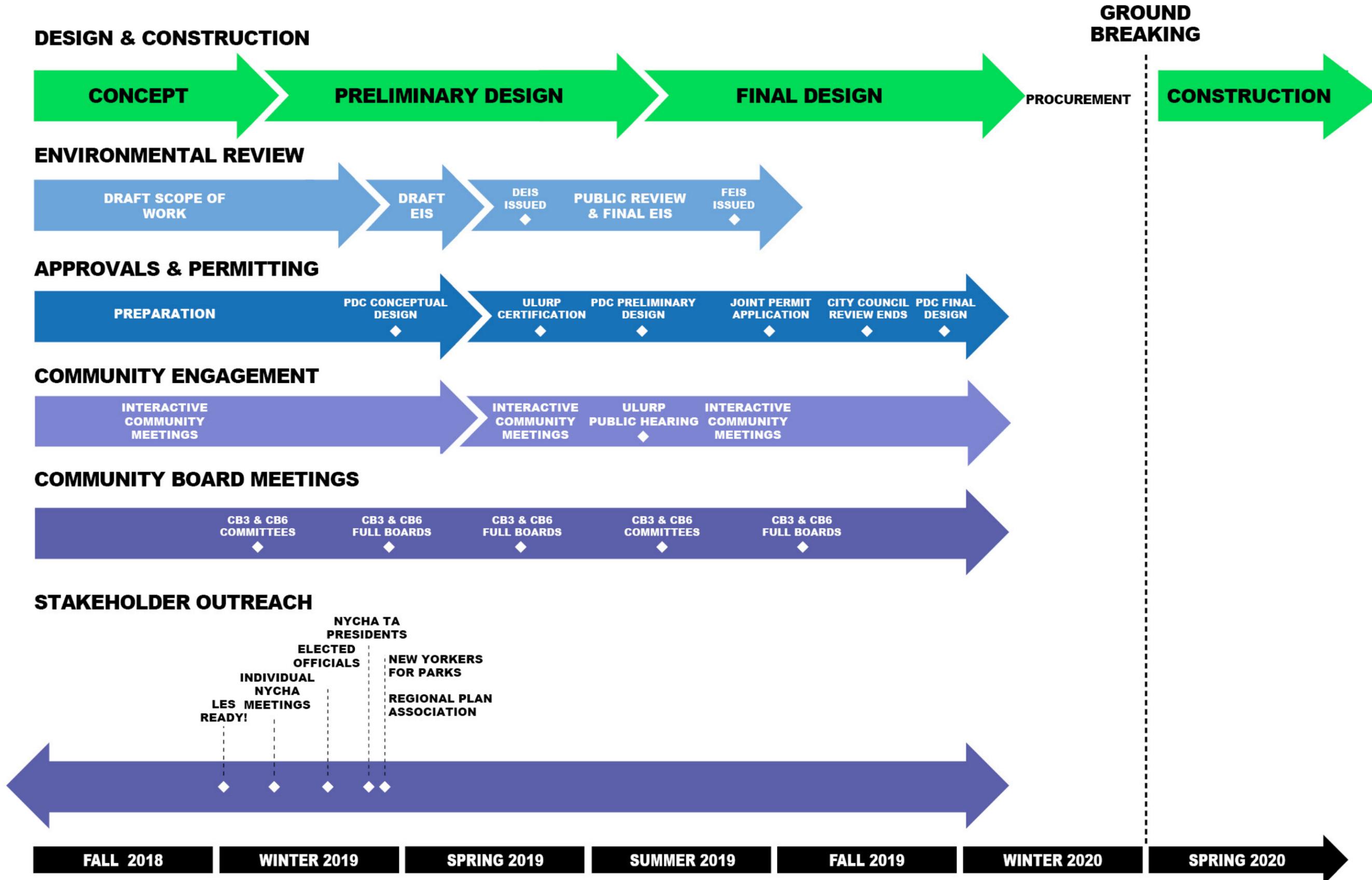


STUYVESANT COVE PARK
PRELIMINARY DESIGN

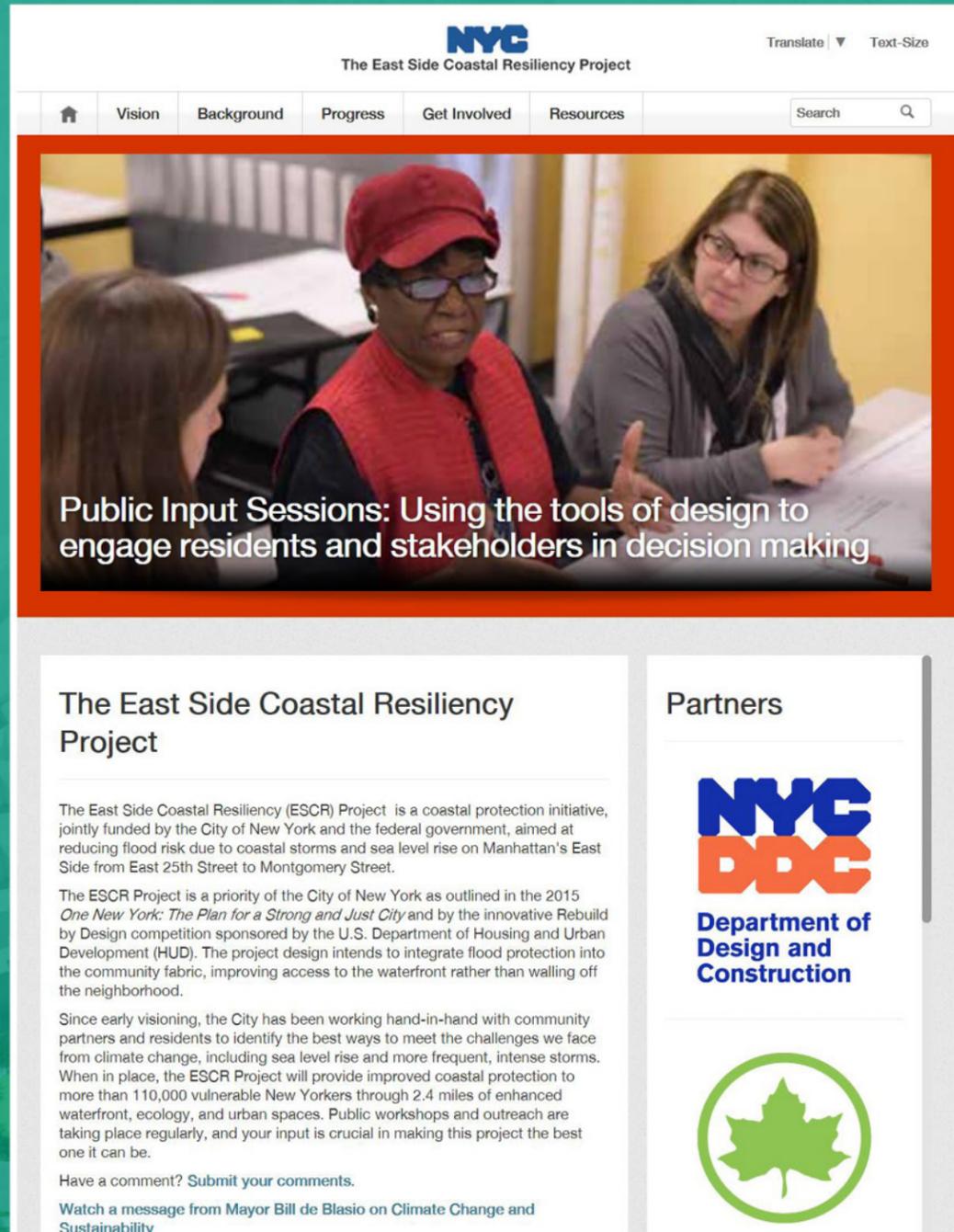


STUYVESANT COVE PARK
PRELIMINARY DESIGN

SCHEDULE & NEXT STEPS



Website



NYC
The East Side Coastal Resiliency Project

Translate | Text-Size

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Public Input Sessions: Using the tools of design to engage residents and stakeholders in decision making

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 and residents to identify the best ways to meet the challenges we face from climate change, including sea level rise and more frequent, intense storms. When in place, the ESCR Project will provide improved coastal protection to more than 110,000 vulnerable New Yorkers through 2.4 miles of enhanced waterfront, ecology, and urban spaces. Public workshops and outreach are taking place regularly, and your input is crucial in making this project the best one it can be.

Have a comment? [Submit your comments.](#)

Watch a message from Mayor Bill de Blasio on Climate Change and Sustainability

Partners



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