

# Hearing on East Side Coastal Resiliency

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

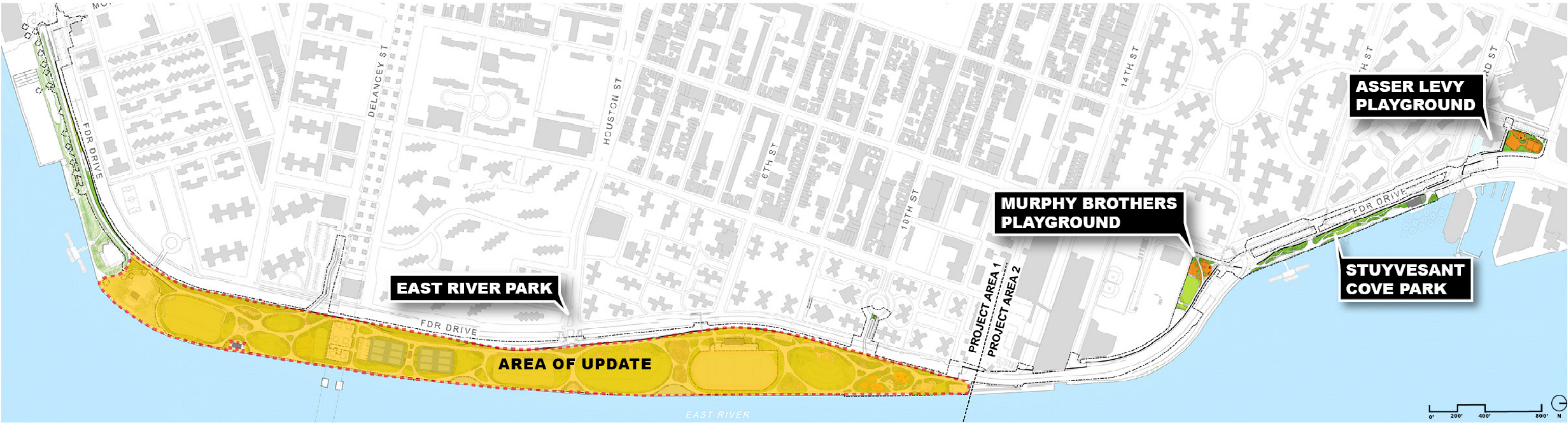
January 23, 2019





# PROJECT AREA

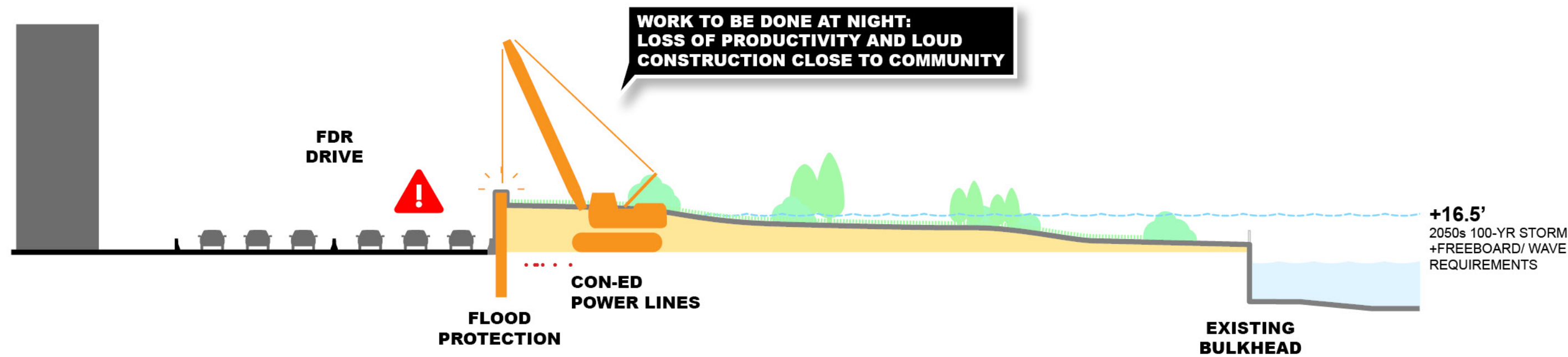
EAST SIDE COASTAL RESILIENCY PROJECT



# IMPROVED CONSTRUCTABILITY

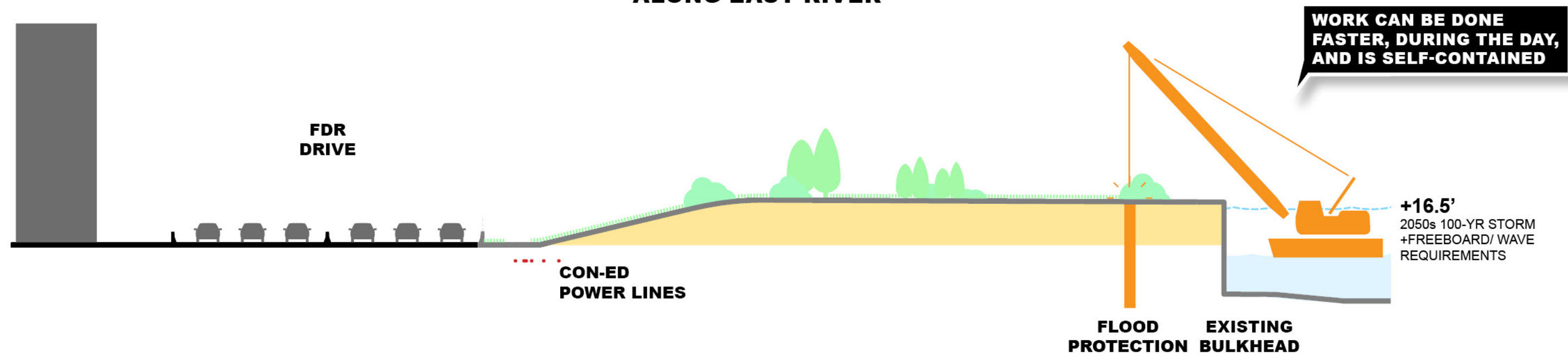
DELIVERY RISK REDUCED BY MINIMIZING FDR WORK

## PREVIOUS PLAN:



## CURRENT PLAN:

### FLOOD PROTECTION ALONG FDR VS. ALONG EAST RIVER



# IMPROVED SCHEDULE

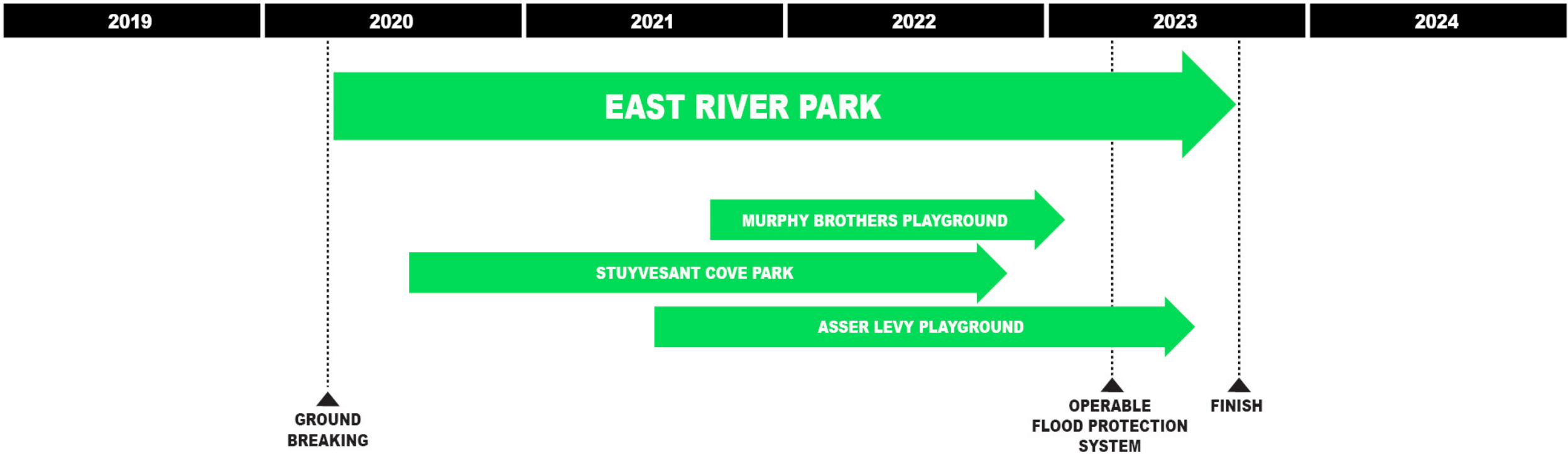
OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON

## PREVIOUS PLAN



## CURRENT PLAN

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

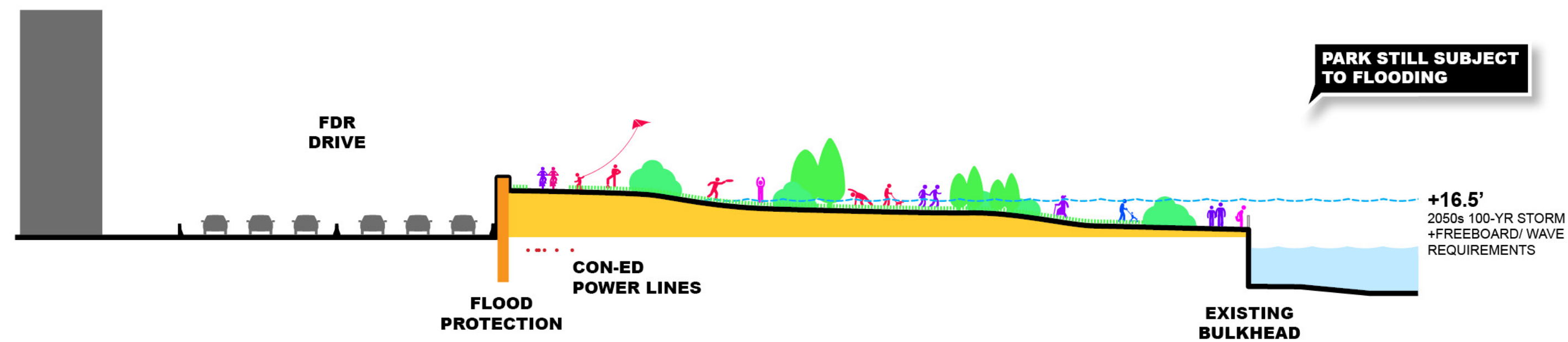




# IMPROVED PARK RESILIENCY

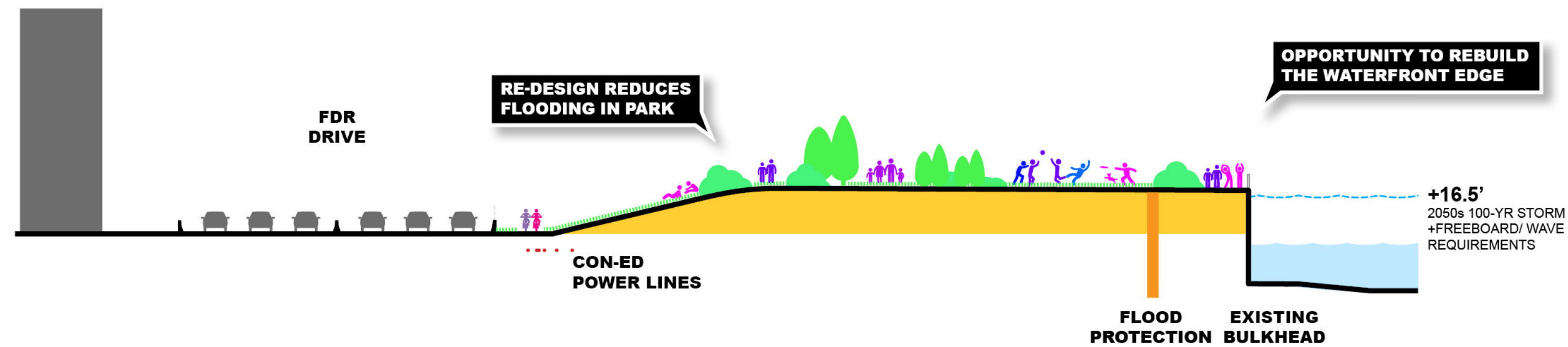
PARK IS ABOVE THE 2050s 100-YEAR FLOODPLAIN

## PREVIOUS PLAN



## CURRENT PLAN

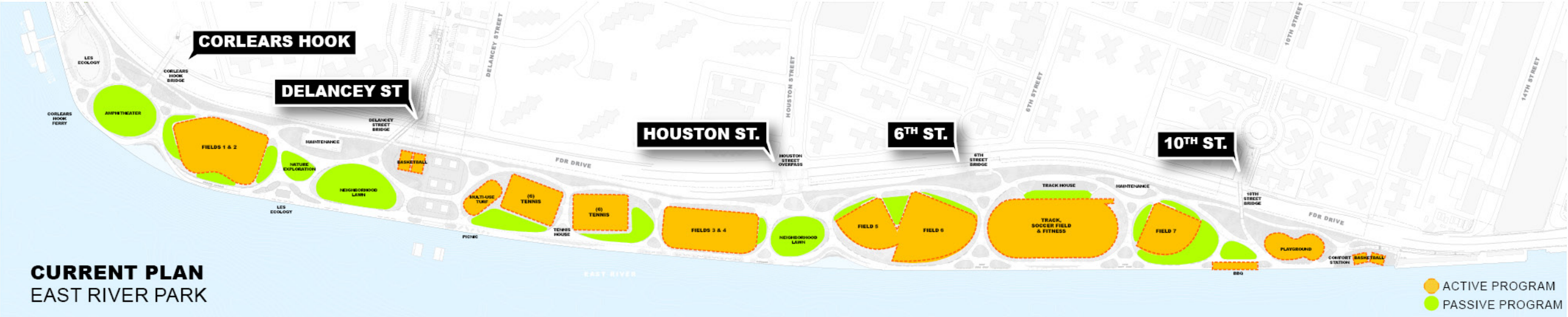
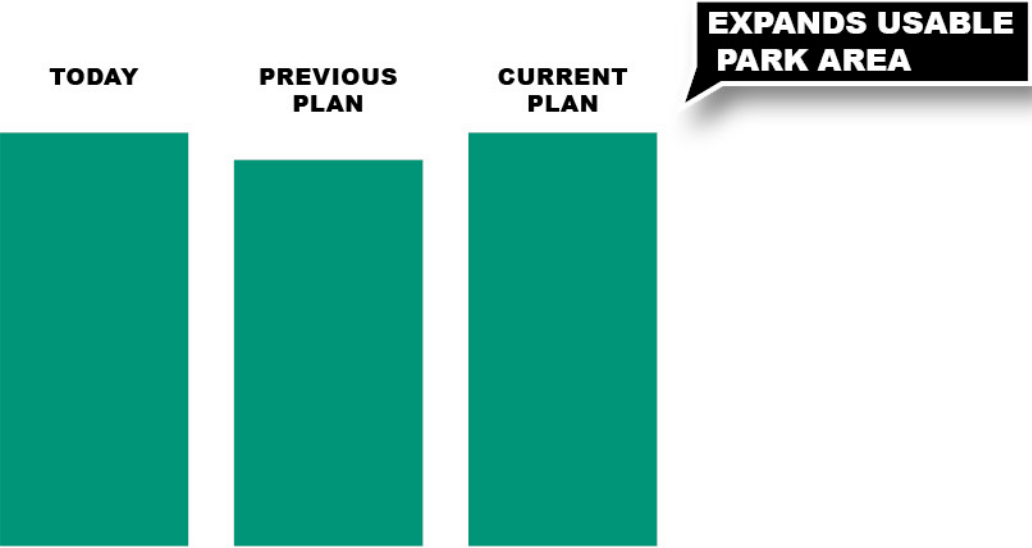
### FLOOD PROTECTION ALONG FDR VS. RAISED & REBUILT EAST RIVER PARK





# PARK PROGRAM

DESIGN APPROACH







**A GREAT WATERFRONT PARK**

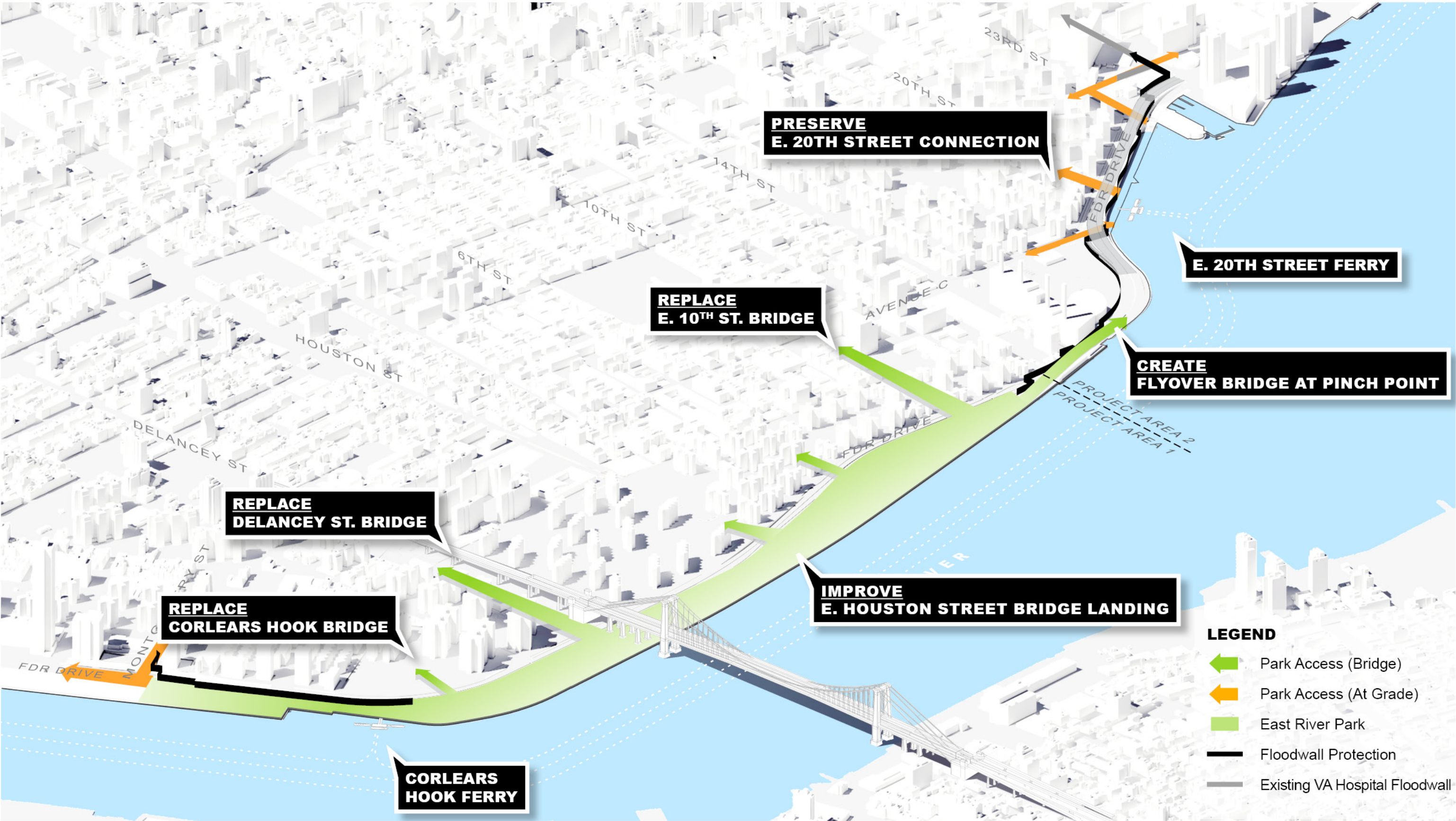






# WATERFRONT OPEN SPACES & ACCESS

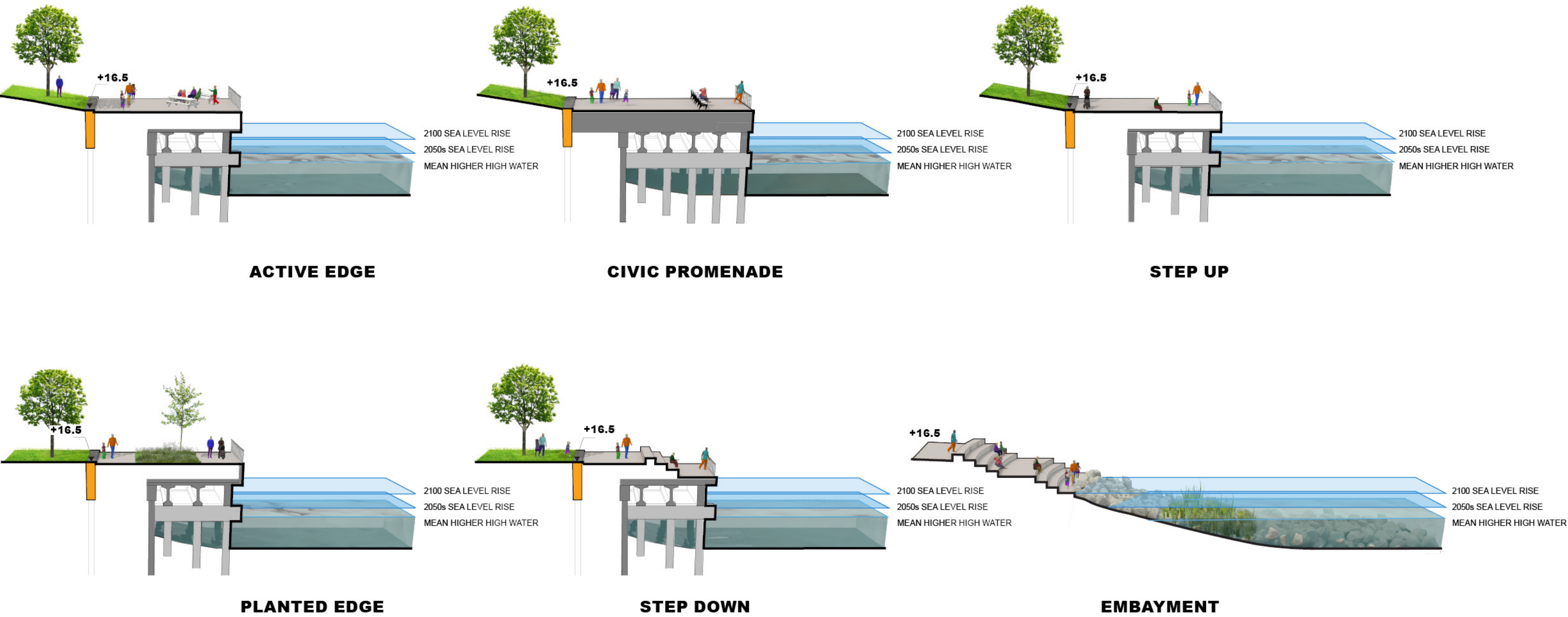
IMPROVING PARK ACCESS





# IMPROVED PARK RESILIENCY

## OPTIONS FOR INCORPORATING WATER ACCESS







RENDERING DEPICTS 2015 MEAN HIGHER HIGH WATER

## HOUSTON AREA

CURRENT PLAN





**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

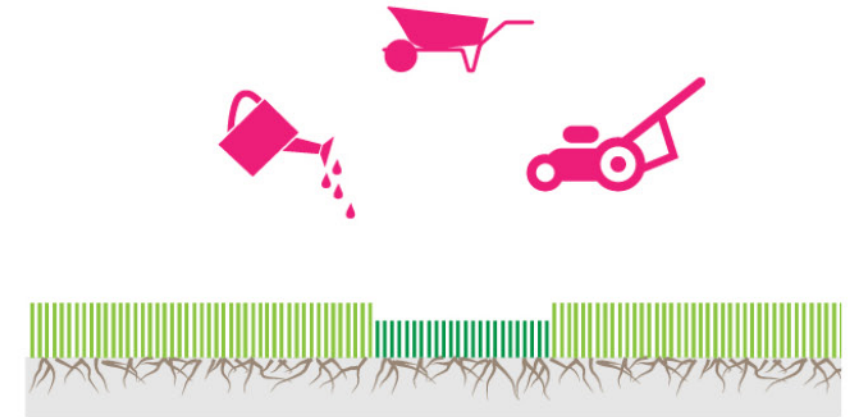
OPPORTUNITY TO IMPROVE ECOLOGICAL HEALTH & BIODIVERSITY



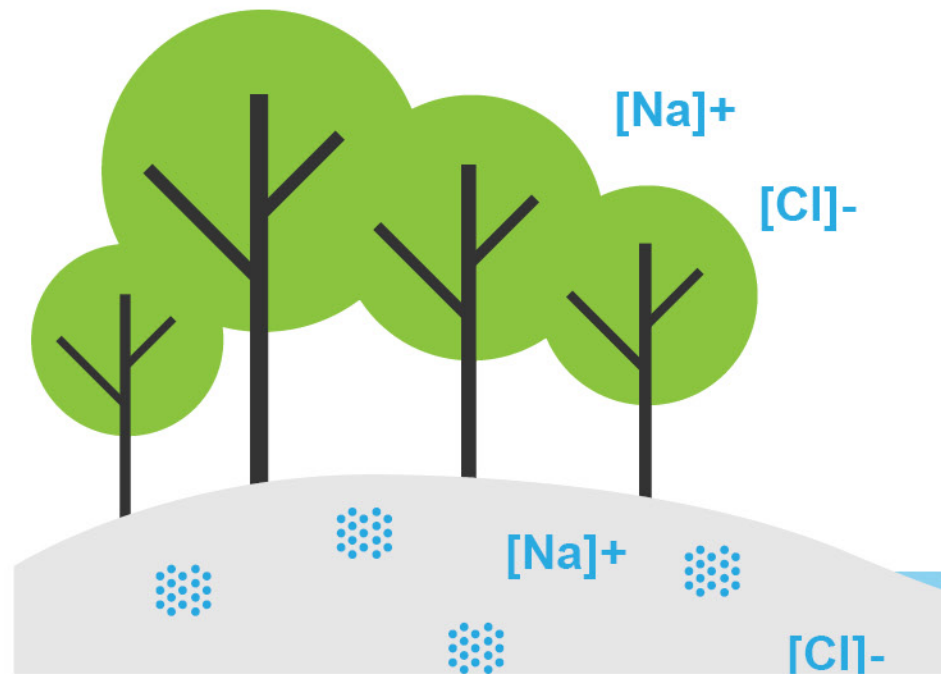
**SPECIES DIVERSITY**



**HABITAT**



**MAINTENANCE & CARE**



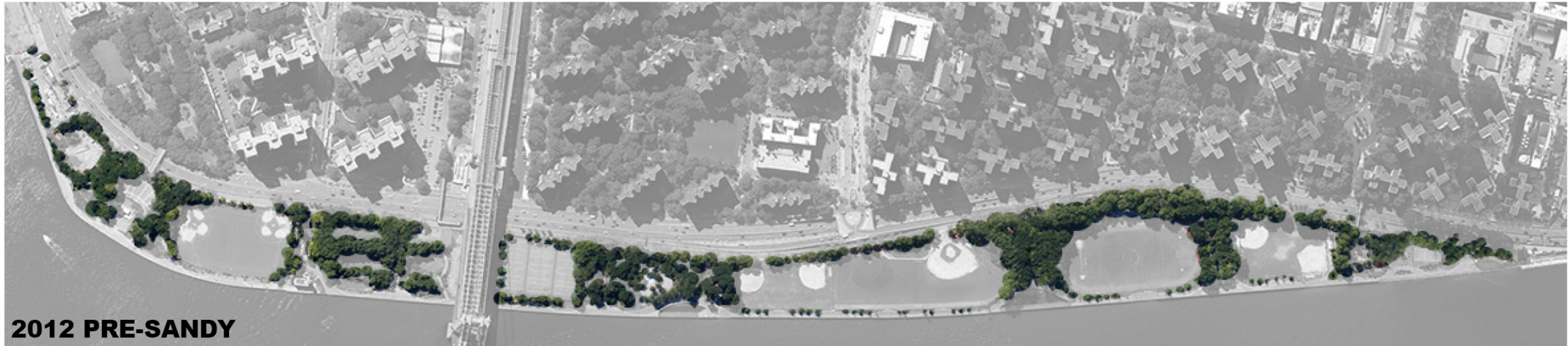
**SALT SPRAY**



**WIND**

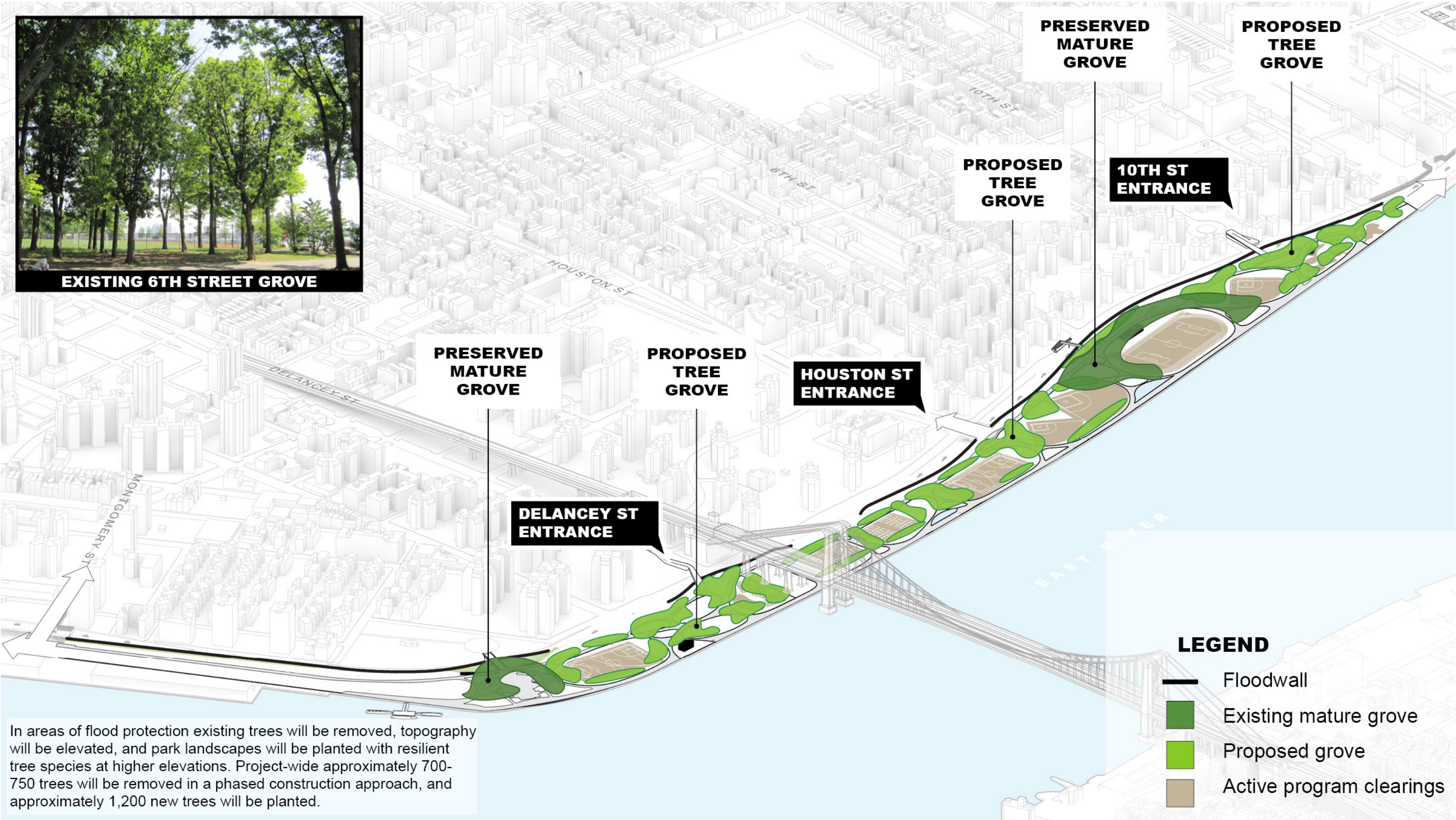


# POST-SANDY CANOPY CHANGE





# 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





An aerial, isometric-style illustration of a city waterfront. A multi-lane highway runs diagonally from the bottom left towards the top right. To the left of the highway is a dense urban area with various building footprints. To the right of the highway is a waterfront area with a park featuring green spaces, trees, and sports fields. Several boats are visible in the water. The entire image has a teal color overlay.

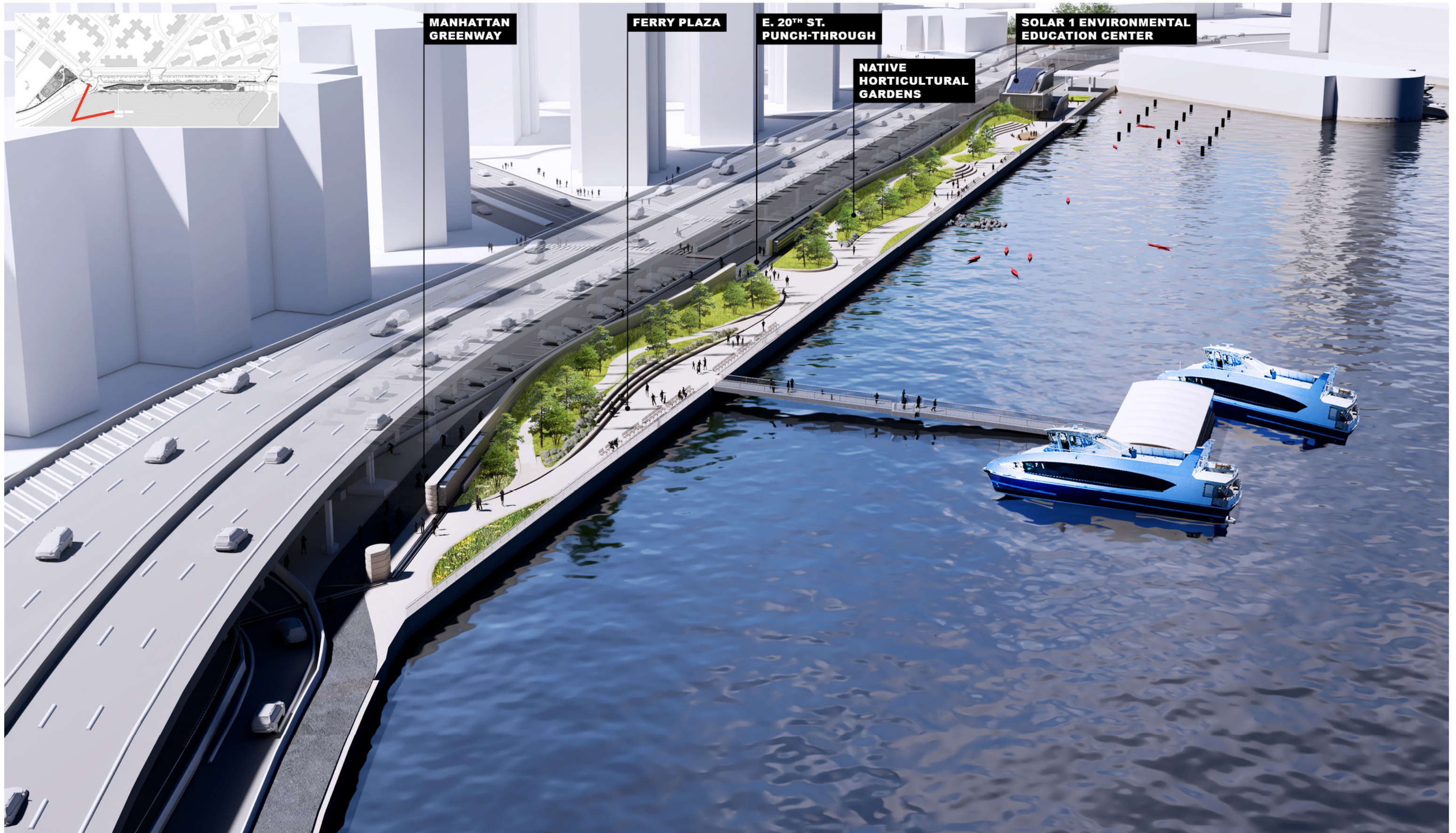
# PROJECT AREA 2





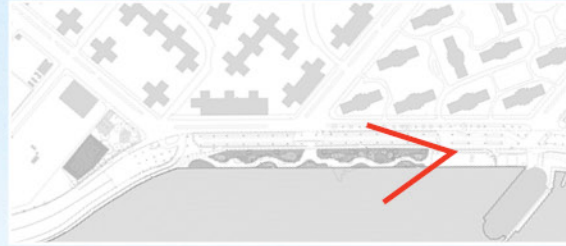
**PROJECT AREA 2 PARKS**  
PRELIMINARY DESIGN





**STUYVESANT COVE PARK**  
PRELIMINARY DESIGN

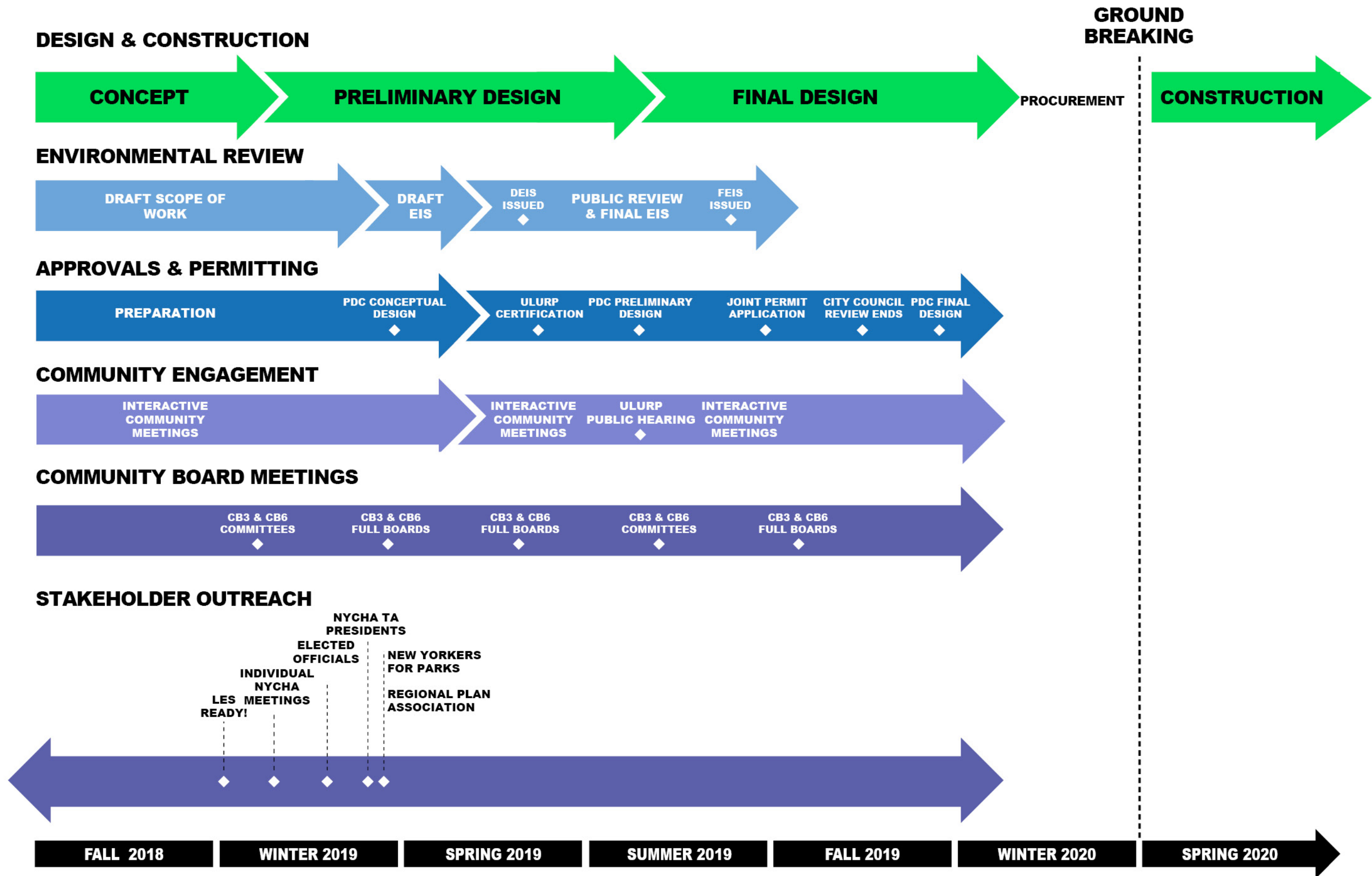




**STUYVESANT COVE PARK**  
PRELIMINARY DESIGN

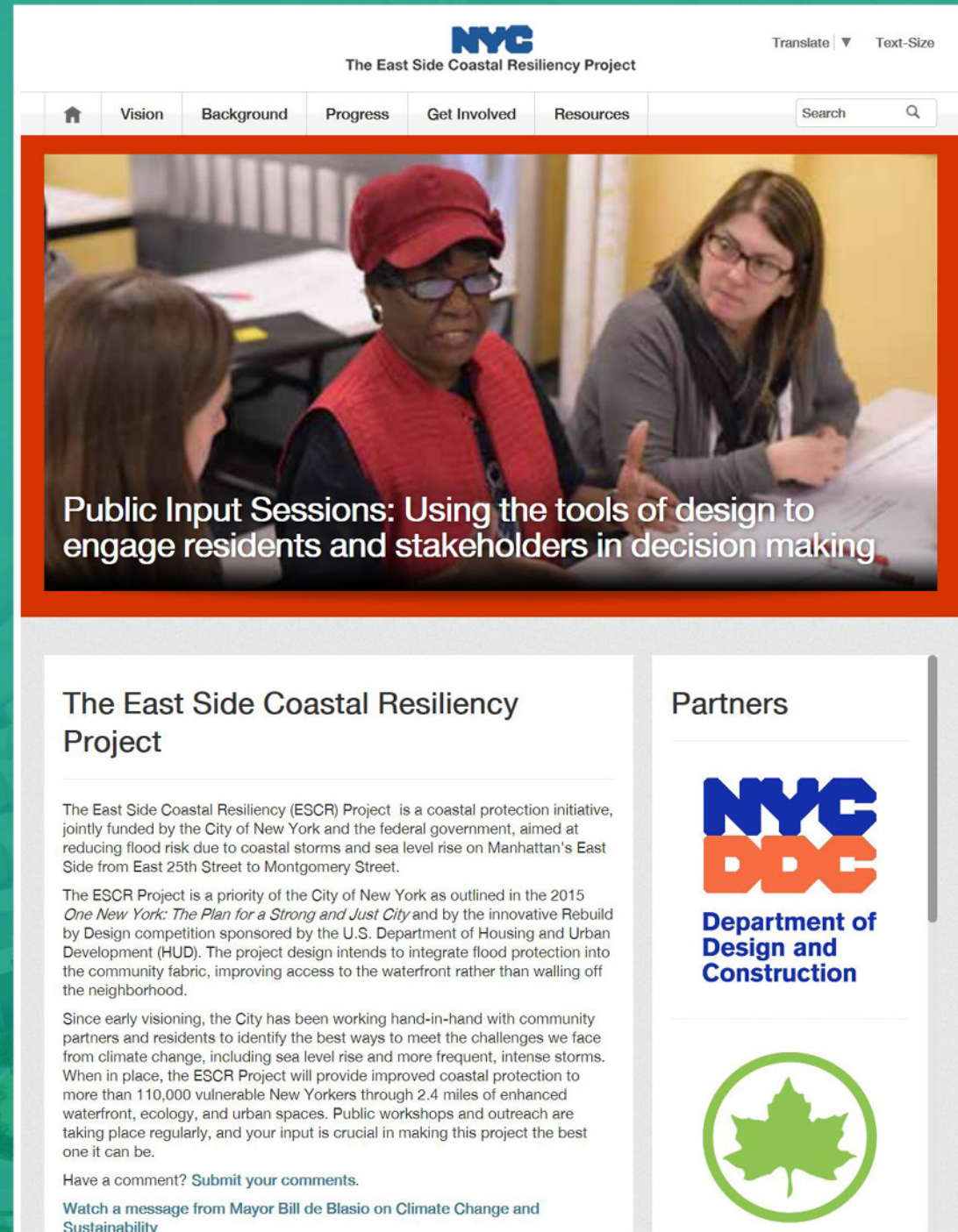


# SCHEDULE & NEXT STEPS





## Website



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