

East Side Coastal Resiliency

LESReady! Briefing

January 17, 2019

Smith Houses' Tenant Association Room
17 St. James Place





COMMUNITY MEETINGS 12/10 AND 12/11



PRESENTATION AGENDA

Introduction & Goals

East River Park Update

**Design Walk Through
Amphitheater Planning**

Drainage Infrastructure

Project Area 2

Schedule & Next Steps

An aerial, isometric-style illustration of a cityscape. A large bridge spans a body of water, connecting a dense urban area on the left to a waterfront park on the right. The park features green spaces, walking paths, and sports fields. The entire image is overlaid with a semi-transparent teal color.

INTRODUCTION & GOALS

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.

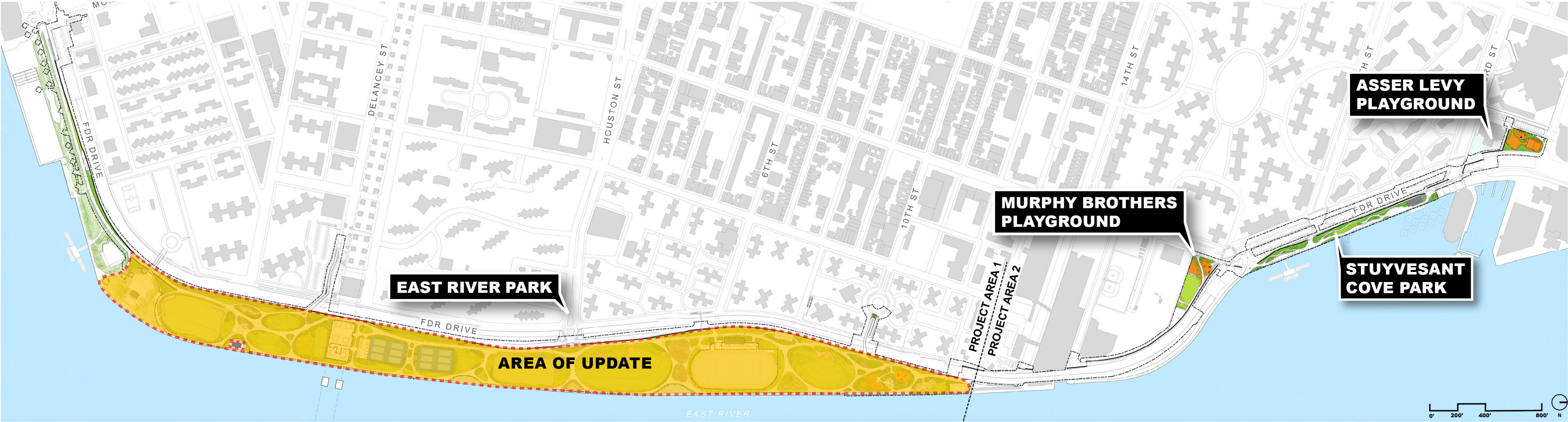


An aerial photograph of East River Park in New York City, featuring a dense urban grid, a suspension bridge, and a waterfront promenade with green spaces and sports fields. The entire image is covered with a semi-transparent teal filter.

EAST RIVER PARK UPDATE

DESIGN APPROACH

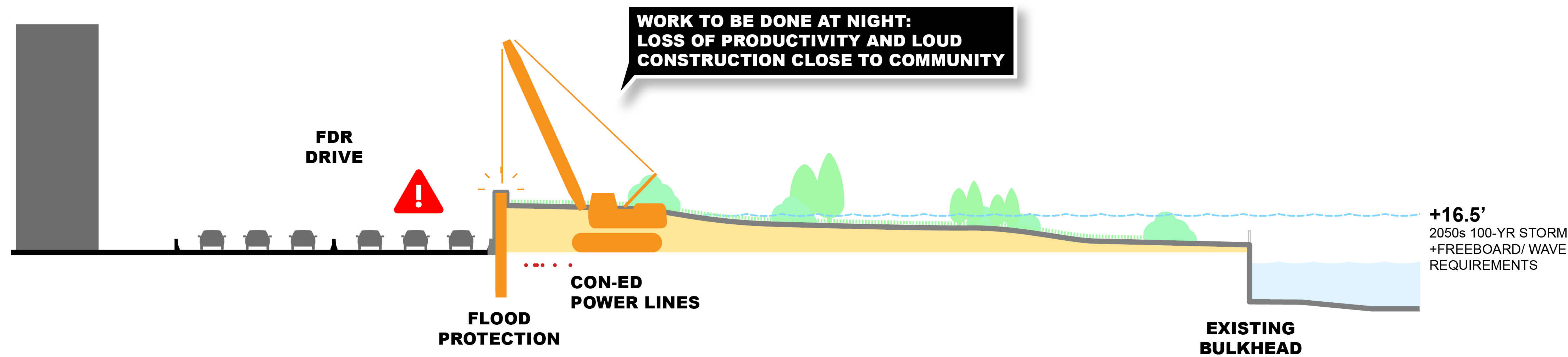
EAST SIDE COASTAL RESILIENCY PROJECT



IMPROVED CONSTRUCTABILITY

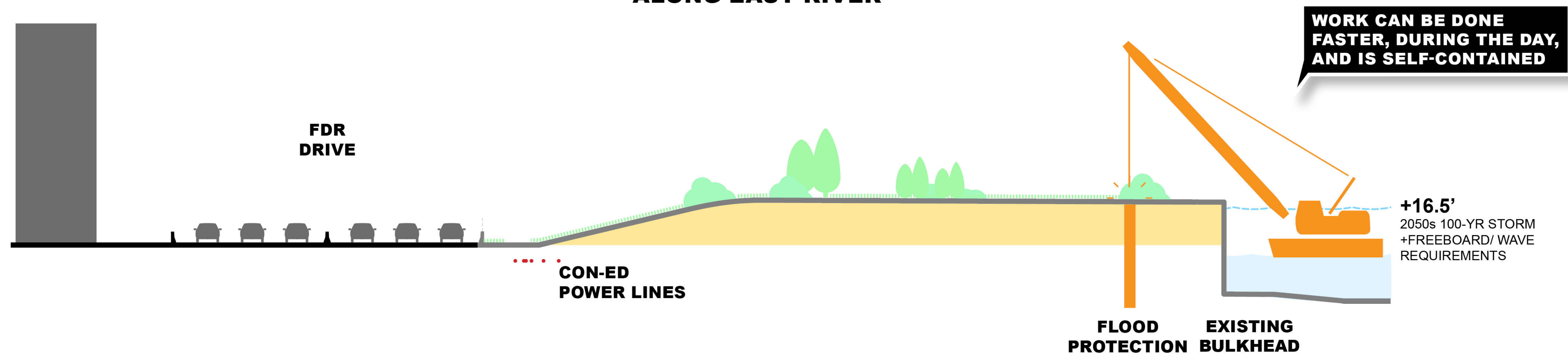
DELIVERY RISK REDUCED BY MINIMIZING FDR WORK

PREVIOUS PLAN:



CURRENT PLAN:

FLOOD PROTECTION ALONG FDR VS. ALONG EAST RIVER



IMPROVED SCHEDULE

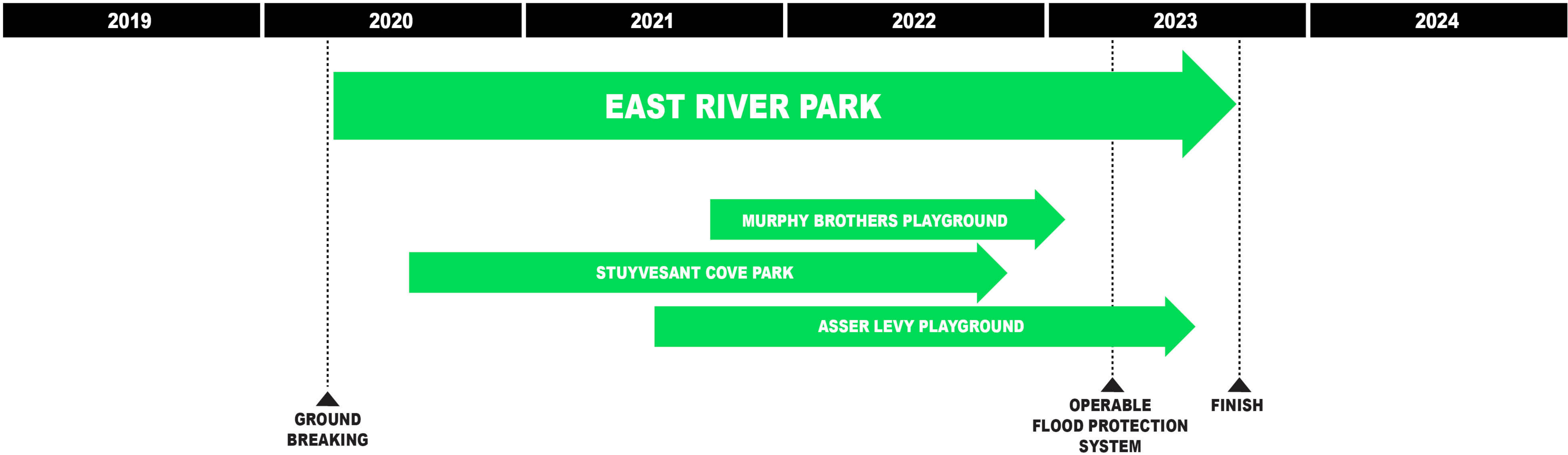
OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON

PREVIOUS PLAN



CURRENT PLAN

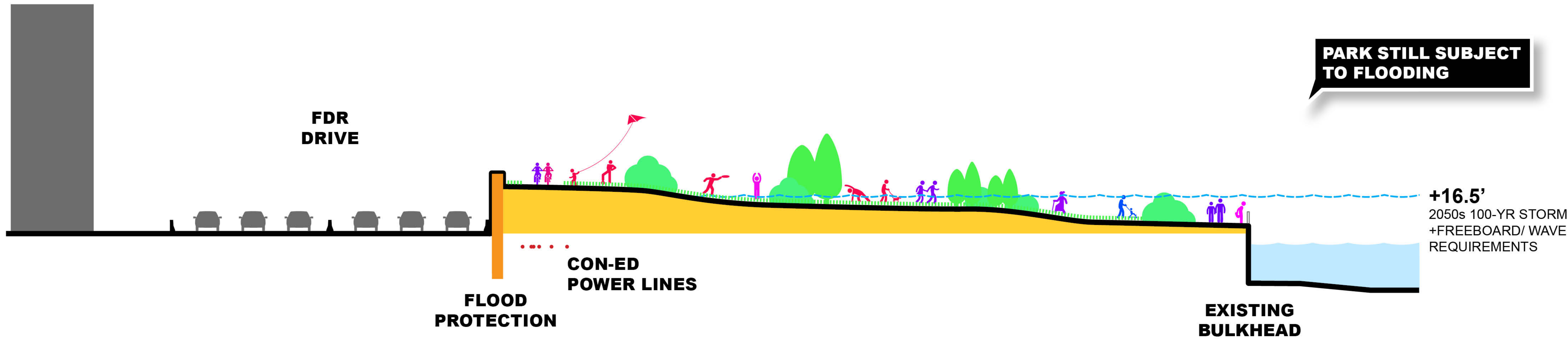
FLOOD PROTECTION BY HURRICANE SEASON 2024
VS.
FLOOD PROTECTION BY HURRICANE SEASON 2023



IMPROVED PARK RESILIENCY

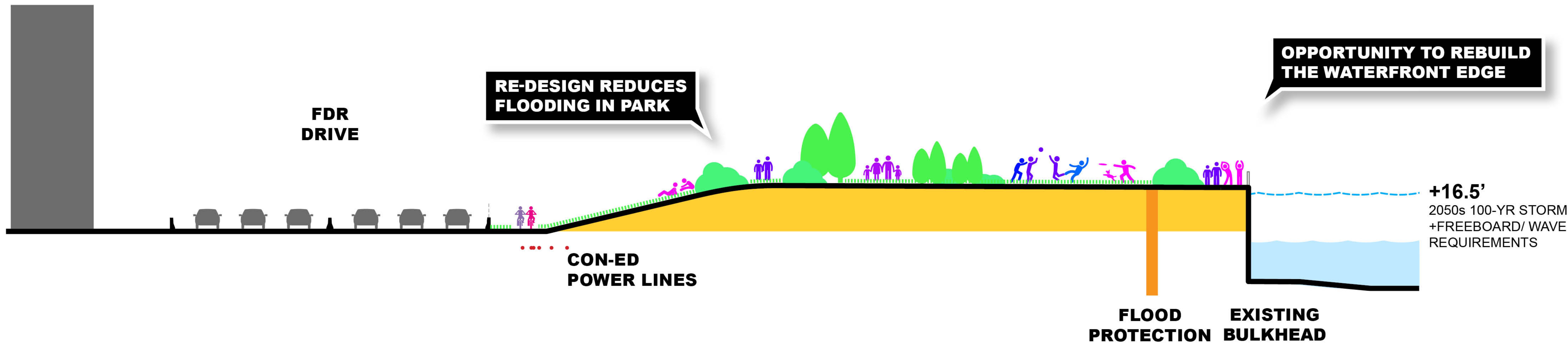
PARK IS ABOVE THE 2050s 100-YEAR FLOODPLAIN

PREVIOUS PLAN



CURRENT PLAN

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



CONSIDERATIONS FOR EAST RIVER PARK



**IMPROVE THE BULKHEAD AND
INCREASE ITS STRUCTURAL
CAPACITY**



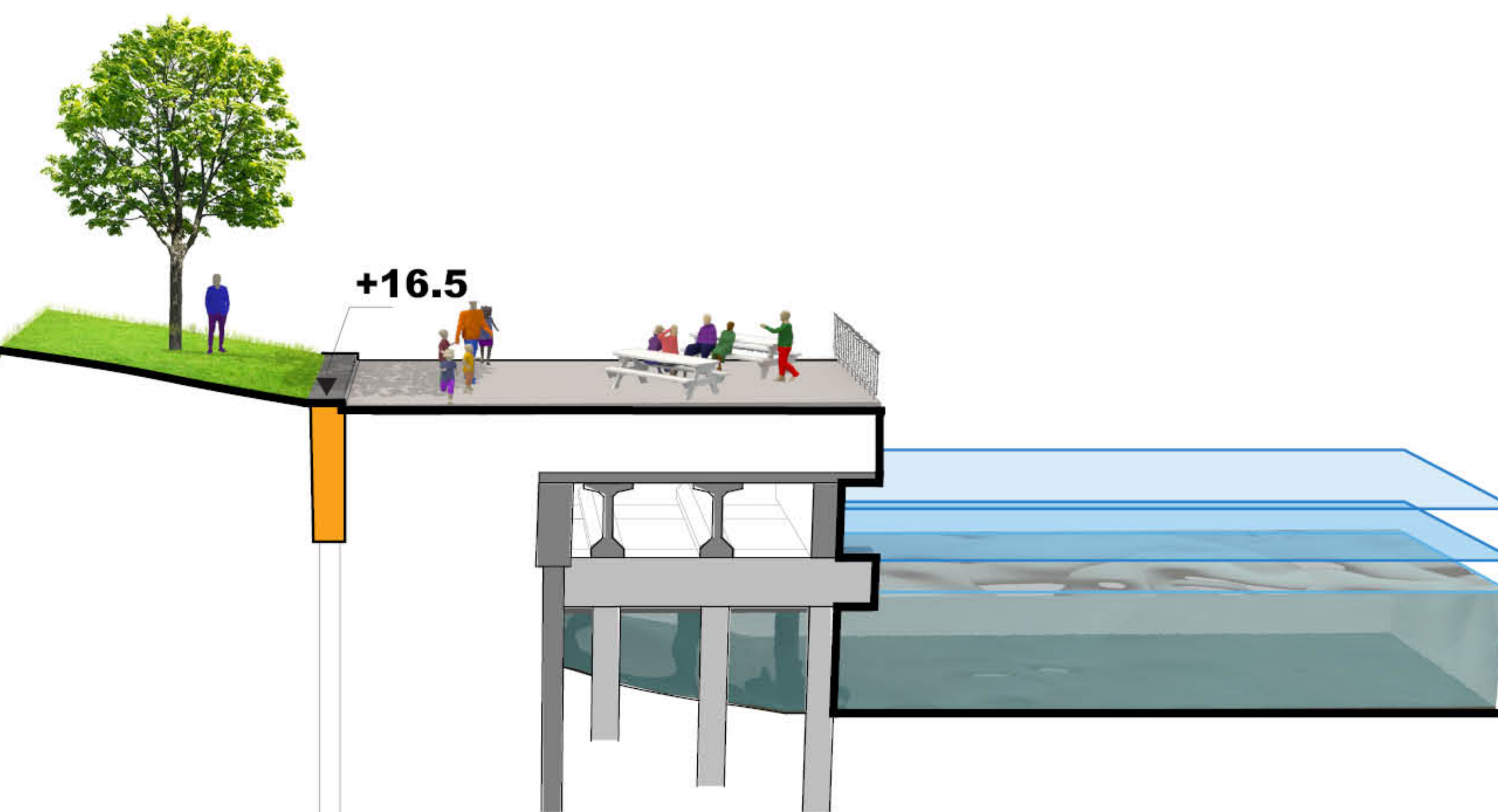
**IMPROVE THE ECOLOGICAL
HEALTH OF THE PARK NOW AND
FOR THE FUTURE**



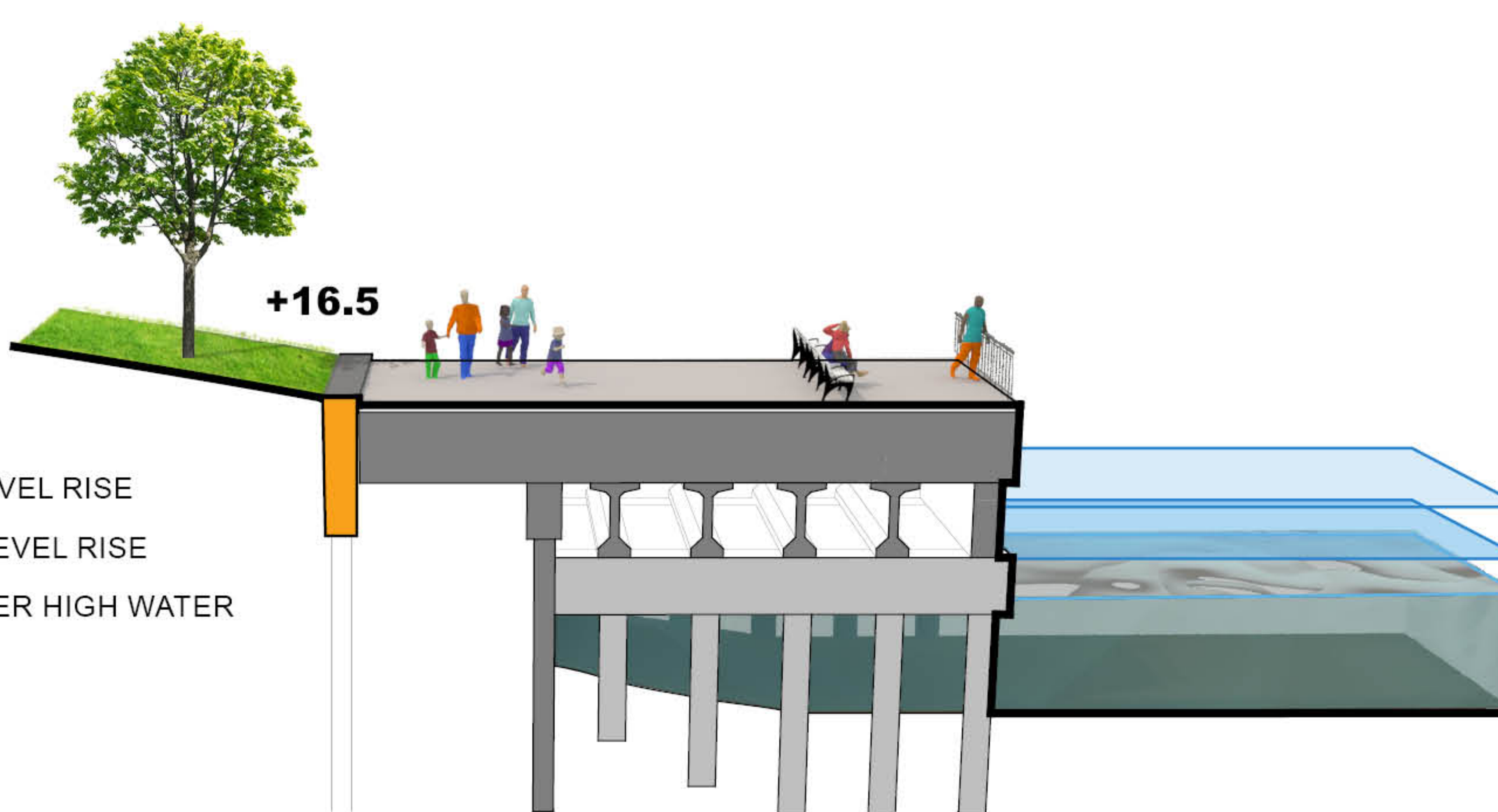
**IMPROVE EQUITABLE ACCESS
TO EAST RIVER PARK AND THE
WATERFRONT**

IMPROVED PARK RESILIENCY

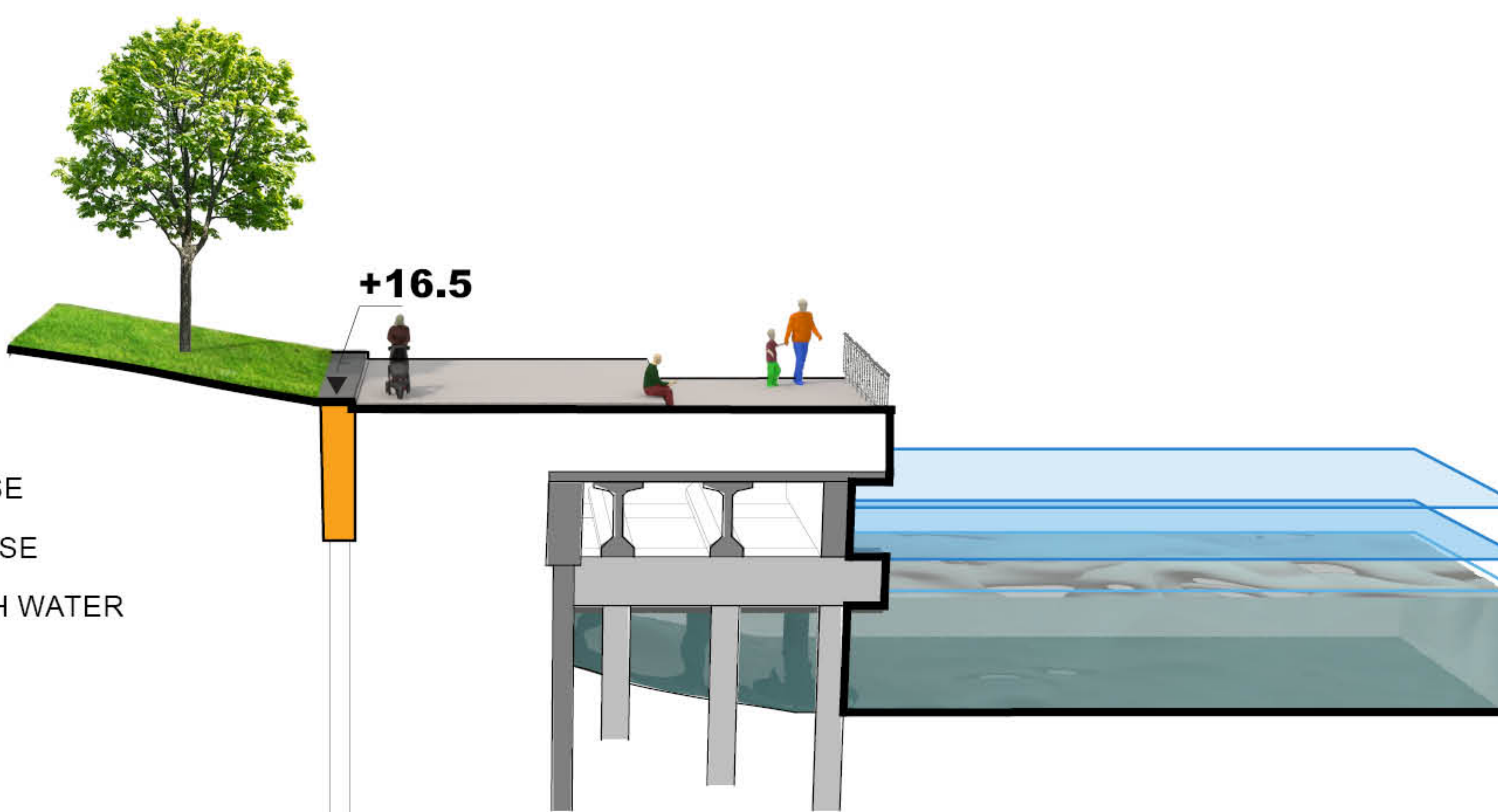
OPTIONS FOR INCORPORATING WATER ACCESS



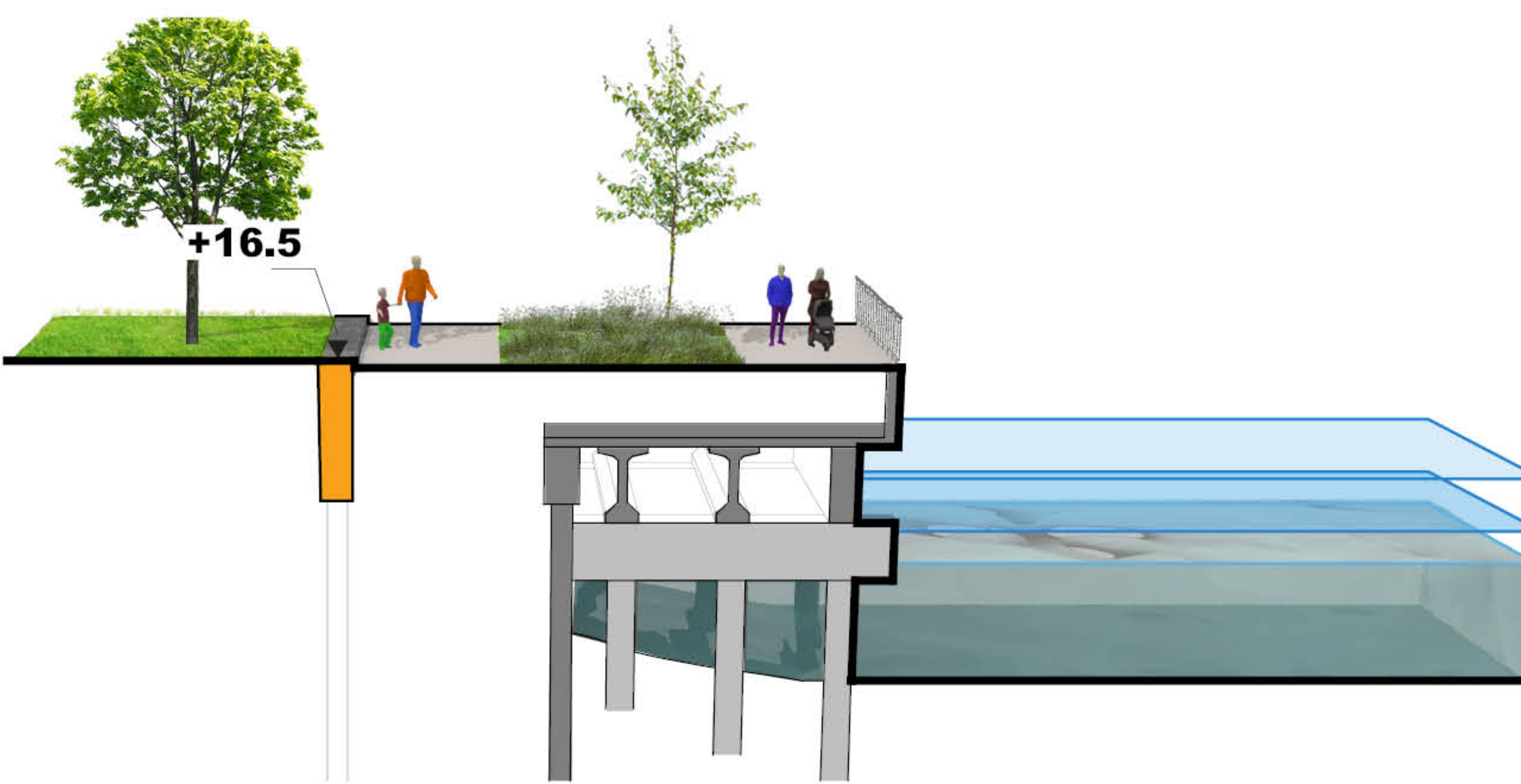
ACTIVE EDGE



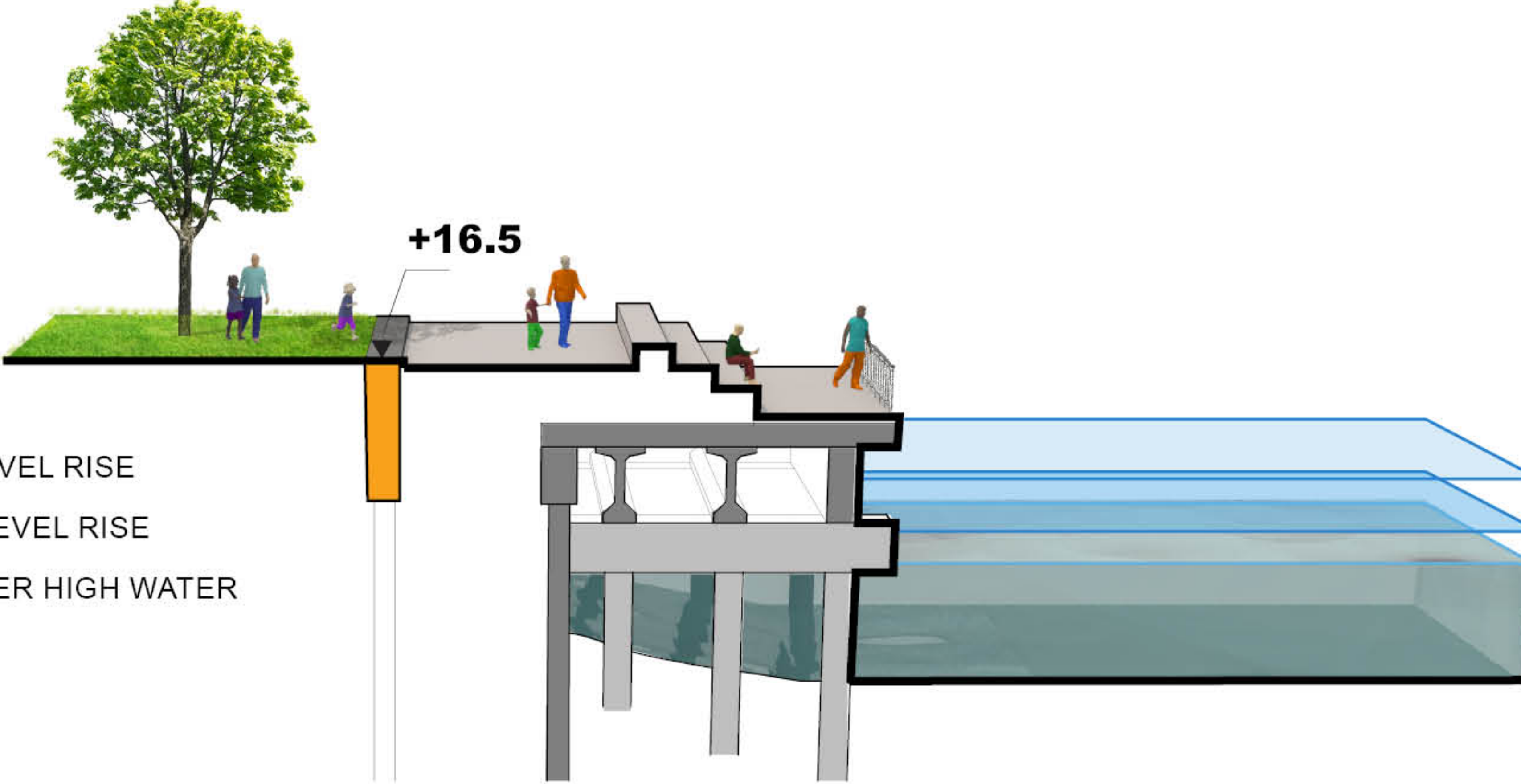
CIVIC PROMENADE



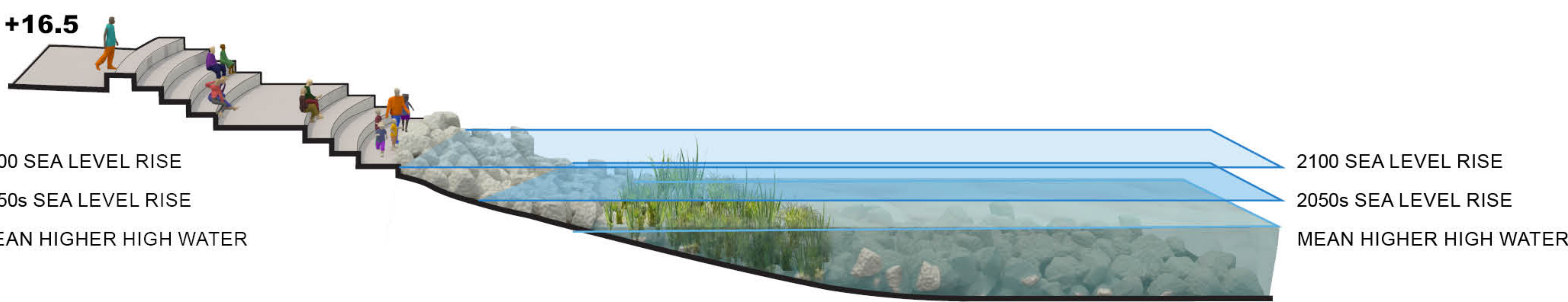
STEP UP



PLANTED EDGE



STEP DOWN



EMBAYMENT

PARK RESILIENCY

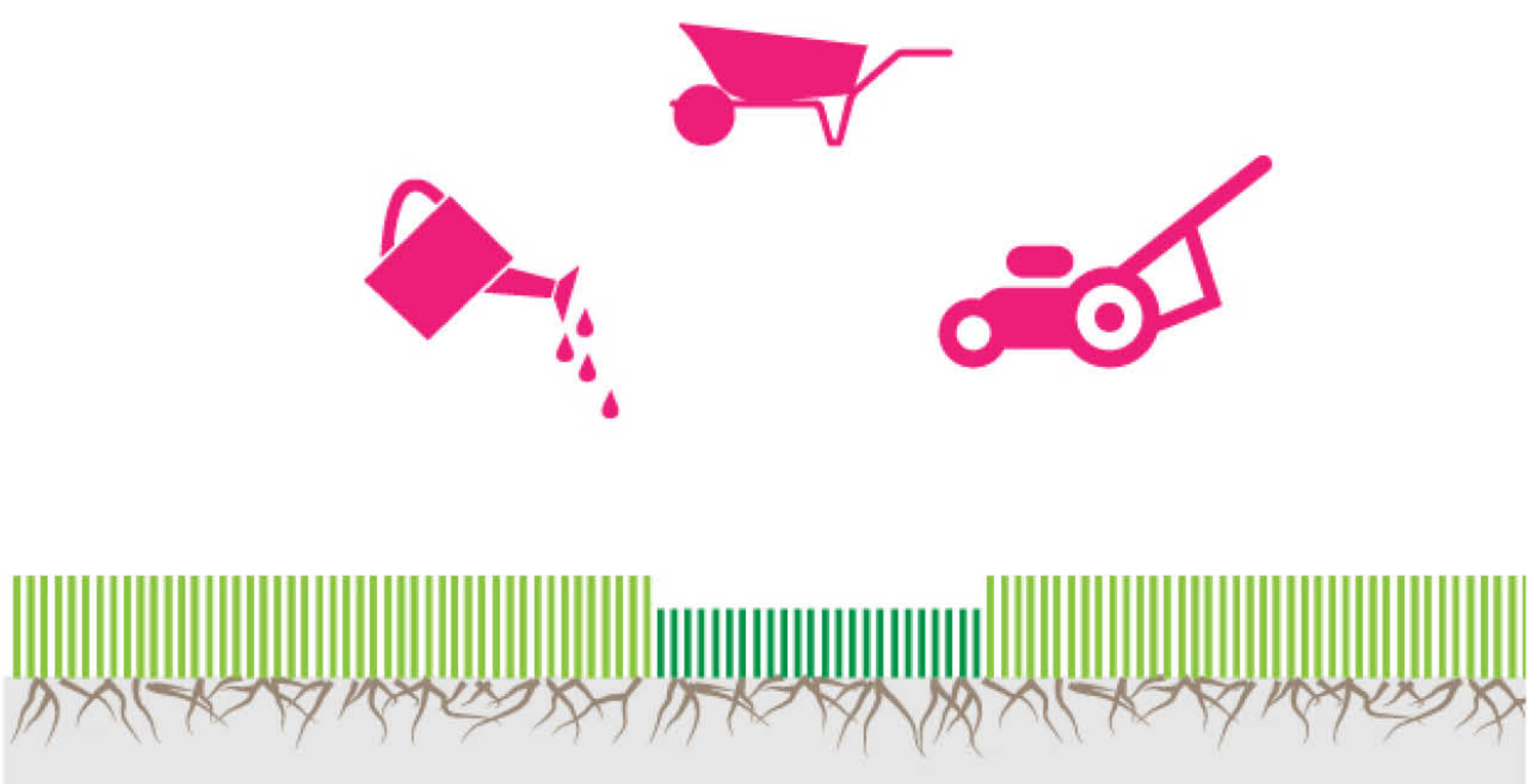
OPPORTUNITY TO IMPROVE ECOLOGICAL HEALTH & BIODIVERSITY



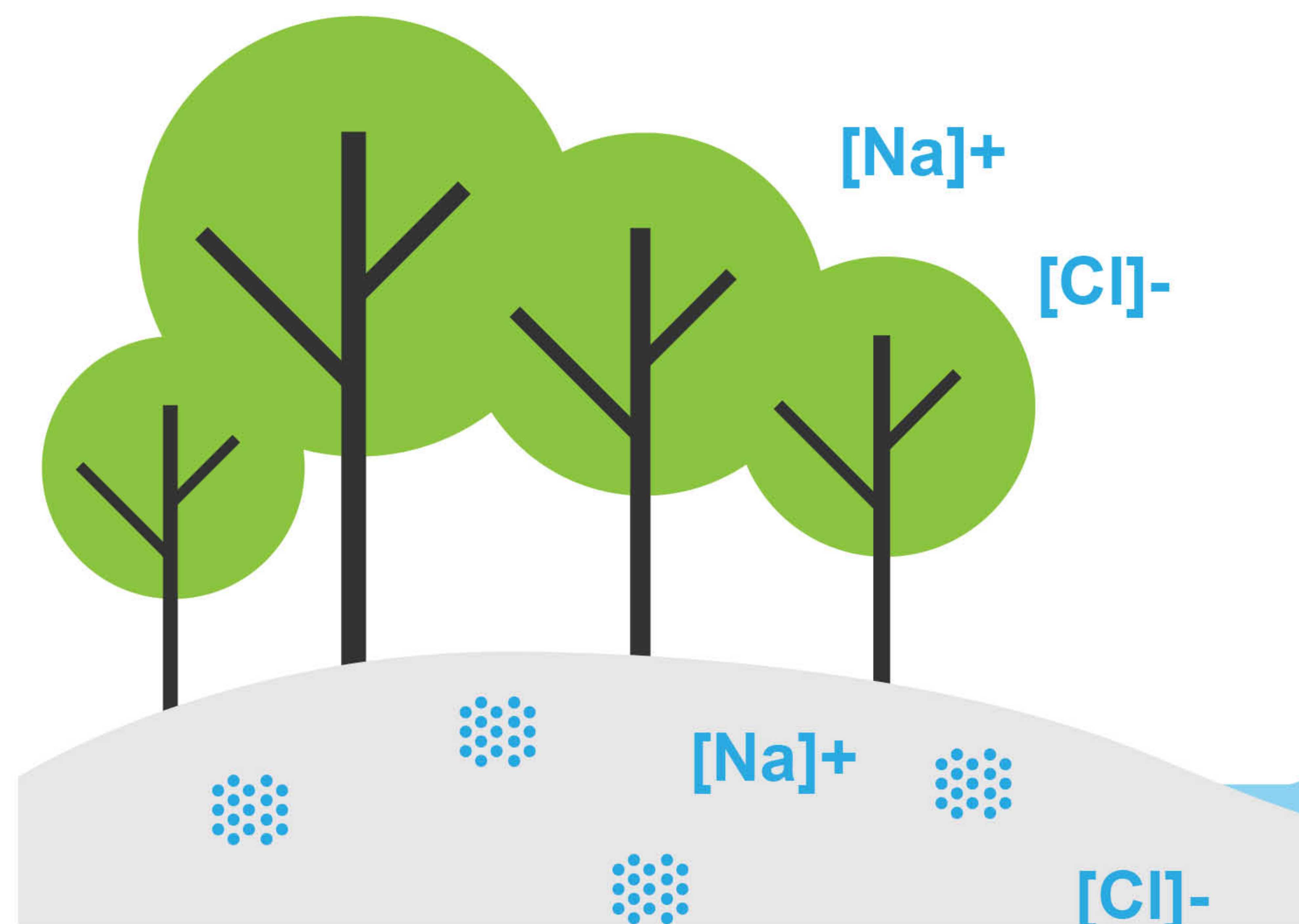
SPECIES DIVERSITY



HABITAT



MAINTENANCE & CARE



SALT SPRAY



WIND



RENDERING DEPICTS 2015 MEAN HIGHER HIGH WATER

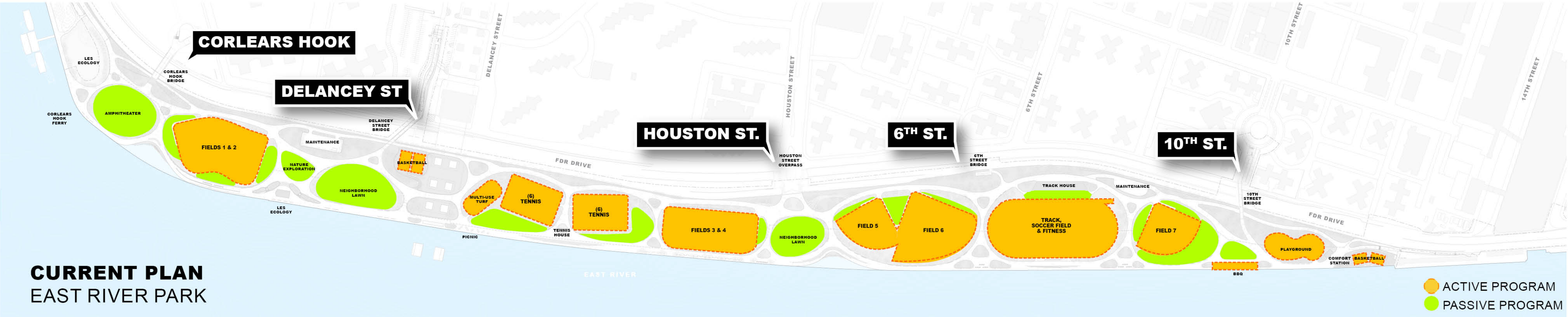
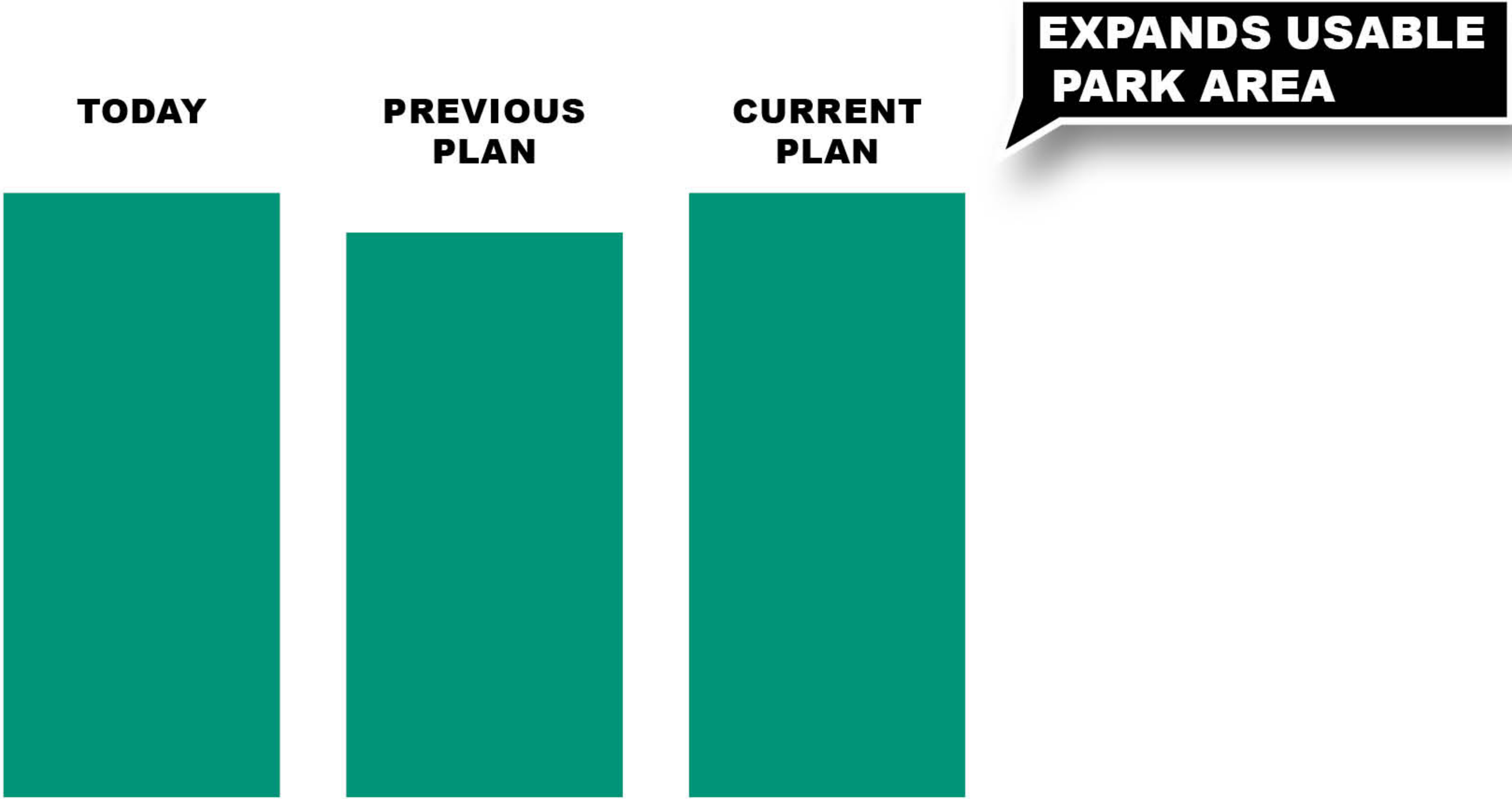
A GREAT WATERFRONT PARK



A GREAT WATERFRONT PARK

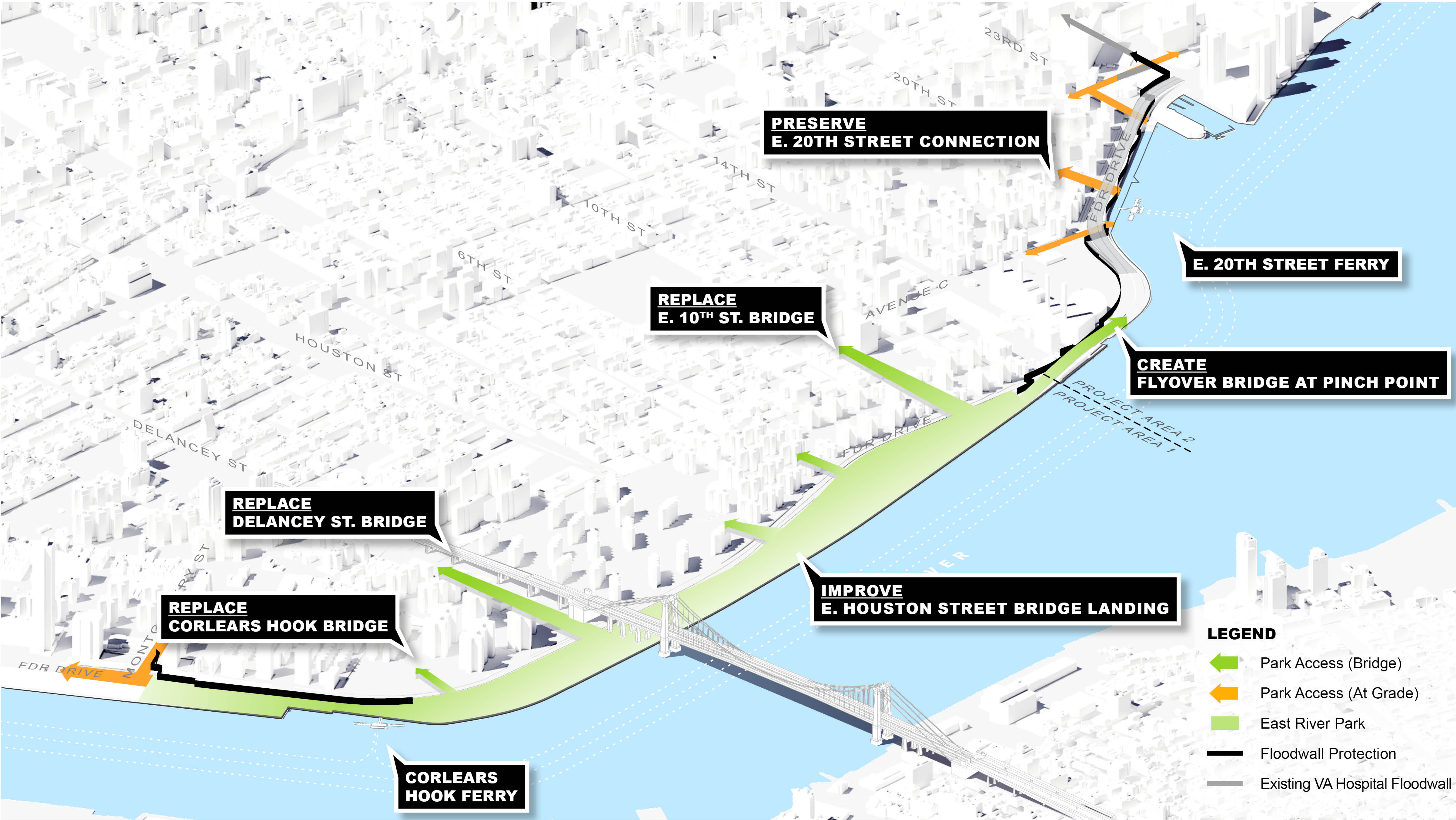
PARK PROGRAM

DESIGN APPROACH



WATERFRONT OPEN SPACES & ACCESS

IMPROVING PARK ACCESS

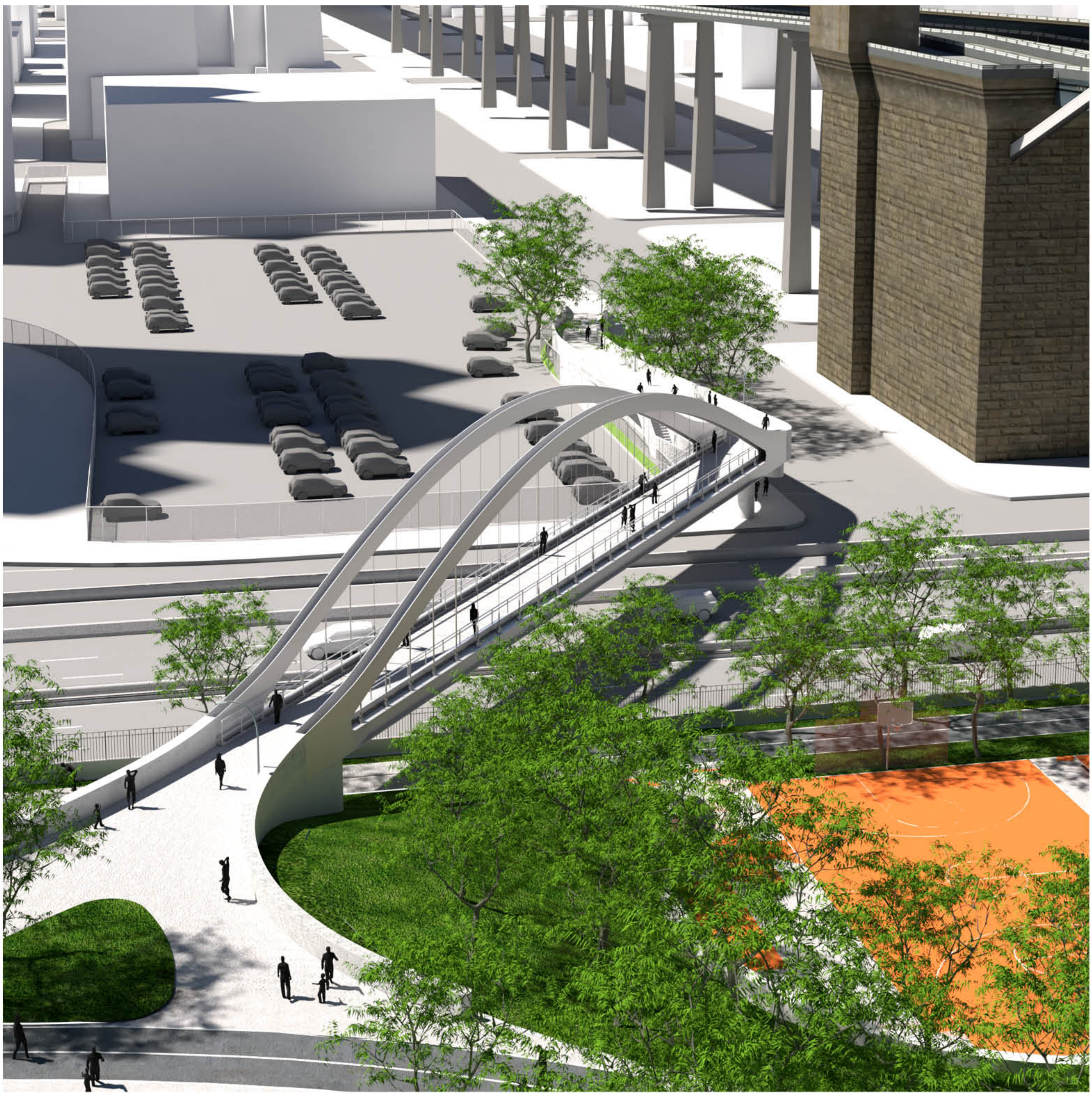


WATERFRONT OPEN SPACES & ACCESS

IMPROVING PEDESTRIAN BRIDGE CONNECTIONS



CORLEARS HOOK BRIDGE
LOWER EAST RIVER PARK



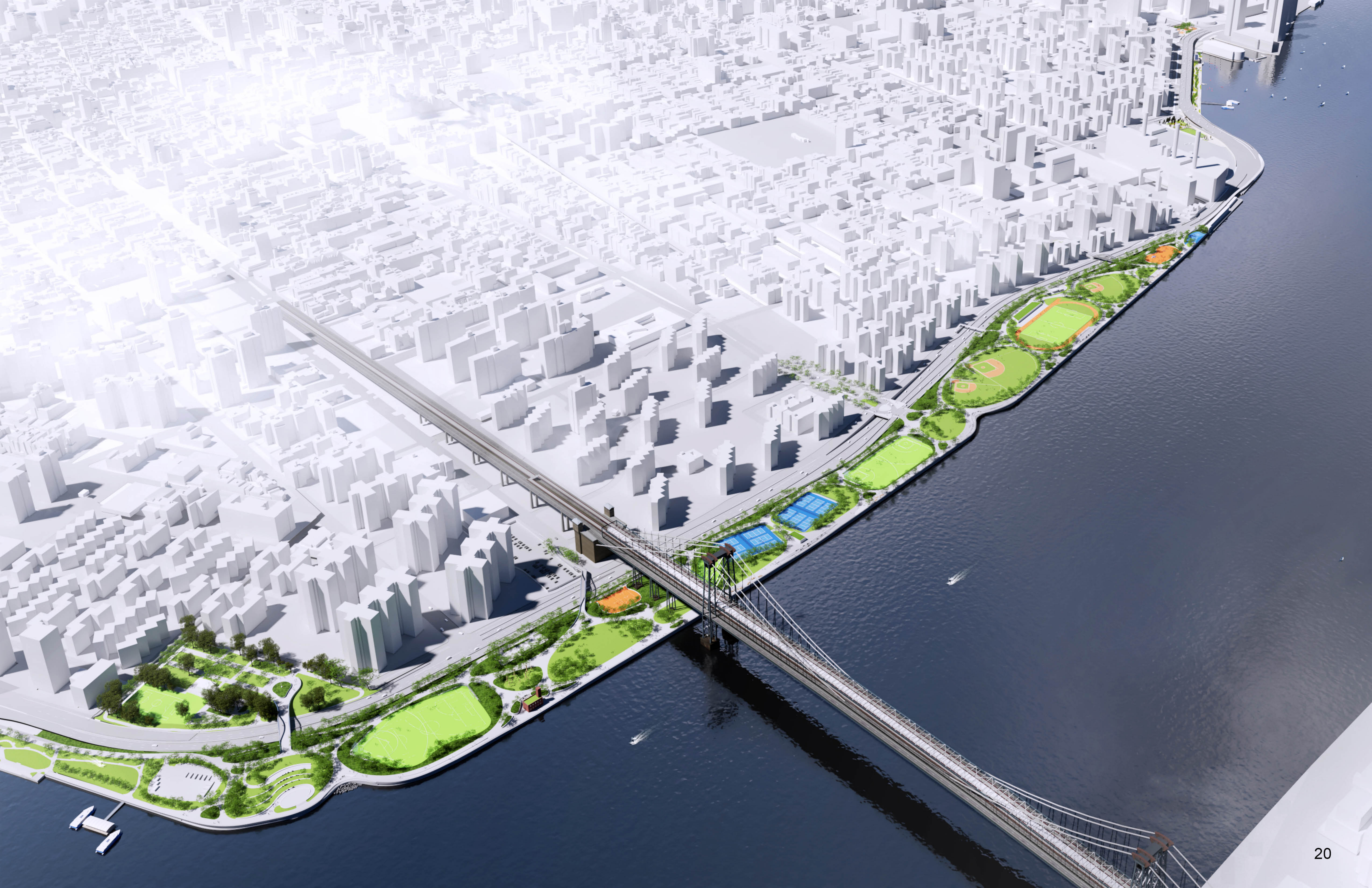
DELANCEY STREET BRIDGE
CENTRAL EAST RIVER PARK



EAST 10TH STREET BRIDGE
UPPER EAST RIVER PARK

An aerial photograph of a city, likely New York City, showing a dense urban grid, a river, and a suspension bridge. The image is overlaid with a semi-transparent teal gradient. The text "DESIGN WALK THROUGH" is centered in white, bold, sans-serif capital letters.

DESIGN WALK THROUGH





MONTGOMERY ST. TIE-BACK
EXISTING CONDITIONS



MONTGOMERY ST. TIE-BACK
PRELIMINARY DESIGN (UNCHANGED)



MONTGOMERY ST. TIE-BACK
PRELIMINARY DESIGN (UNCHANGED)



MANHATTAN GREENWAY
PRELIMINARY DESIGN (UNCHANGED)



CORLEARS HOOK PARK AREA
CONCEPT RE-DESIGN



DELANCEY AREA
CURRENT PLAN



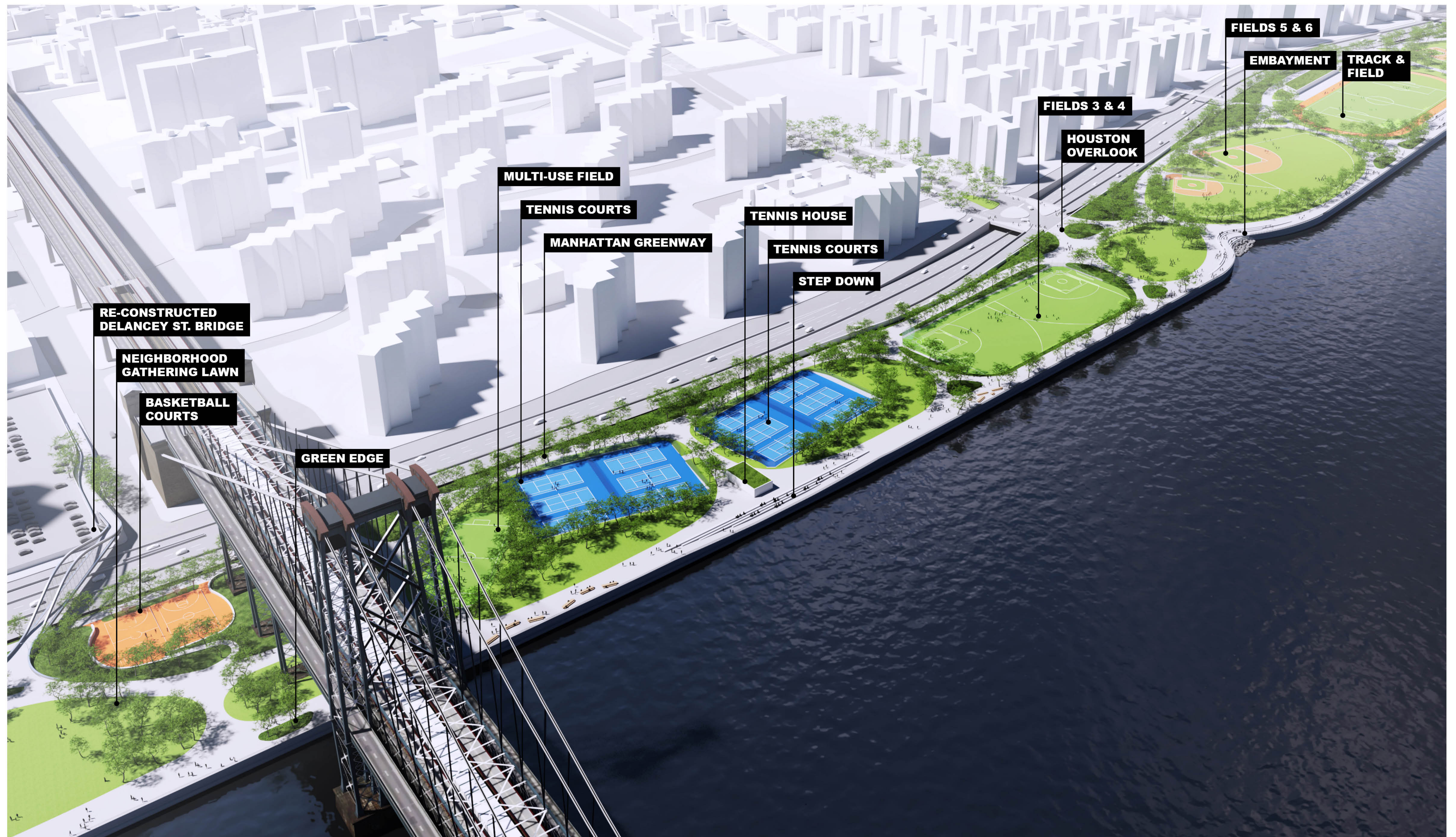
DELANCEY OVERLOOK
EXISTING CONDITIONS



DELANCEY OVERLOOK
CURRENT PLAN



DELANCEY OVERLOOK
CURRENT PLAN - STORM CONDITIONS



BARUCH HOUSES AREA
CURRENT PLAN



RENDERING DEPICTS 2015 MEAN HIGHER HIGH WATER

HOUSTON AREA
CURRENT PLAN



RENDERING DEPICTS 2050 MEAN HIGHER HIGH WATER

HOUSTON AREA
CURRENT PLAN



TRACK & E. 10TH ST. AREA
CURRENT PLAN



FDR GATES - OPEN
CURRENT PLAN



FDR GATES - CLOSED
CURRENT PLAN - STORM CONDITIONS

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

AMPHITHEATER PLANNING

AMPHITHEATER - SUMMARY OF WHAT WE HEARD (DEC. 2018)

INCLUDE SEATING WITH BACKS

PROVIDE A MIX OF FIXED SEATING AND LAWNS SEATING

ACCOMMODATE ALTERNATIVE EVENTS - SUCH AS DANCING

CREATE A SPACE WITH VIEWS TO THE WATER

PRESERVE THE EXISTING AMPHITHEATER

MOVE THE AMPHITHEATER AWAY FROM HOMES

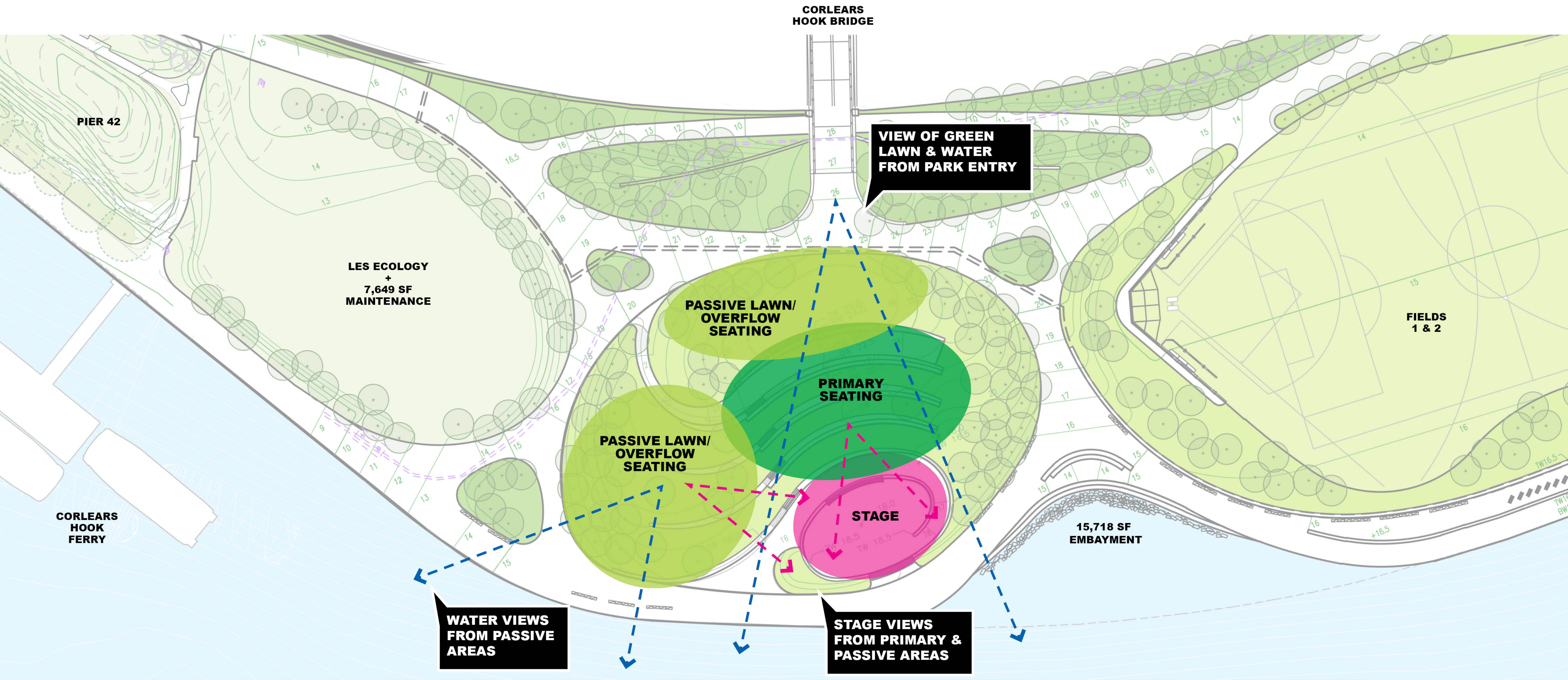
INCLUDE STAIR RUNNING/ FITNESS OPPORTUNITIES

MAKE THE SPACE AS GREEN AS POSSIBLE

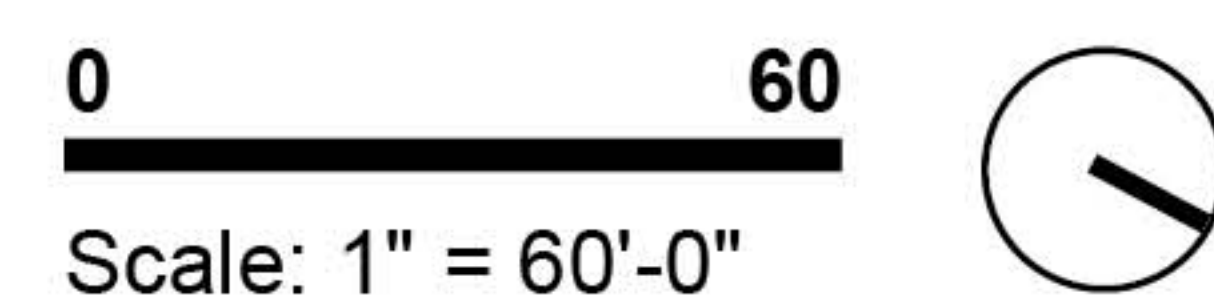
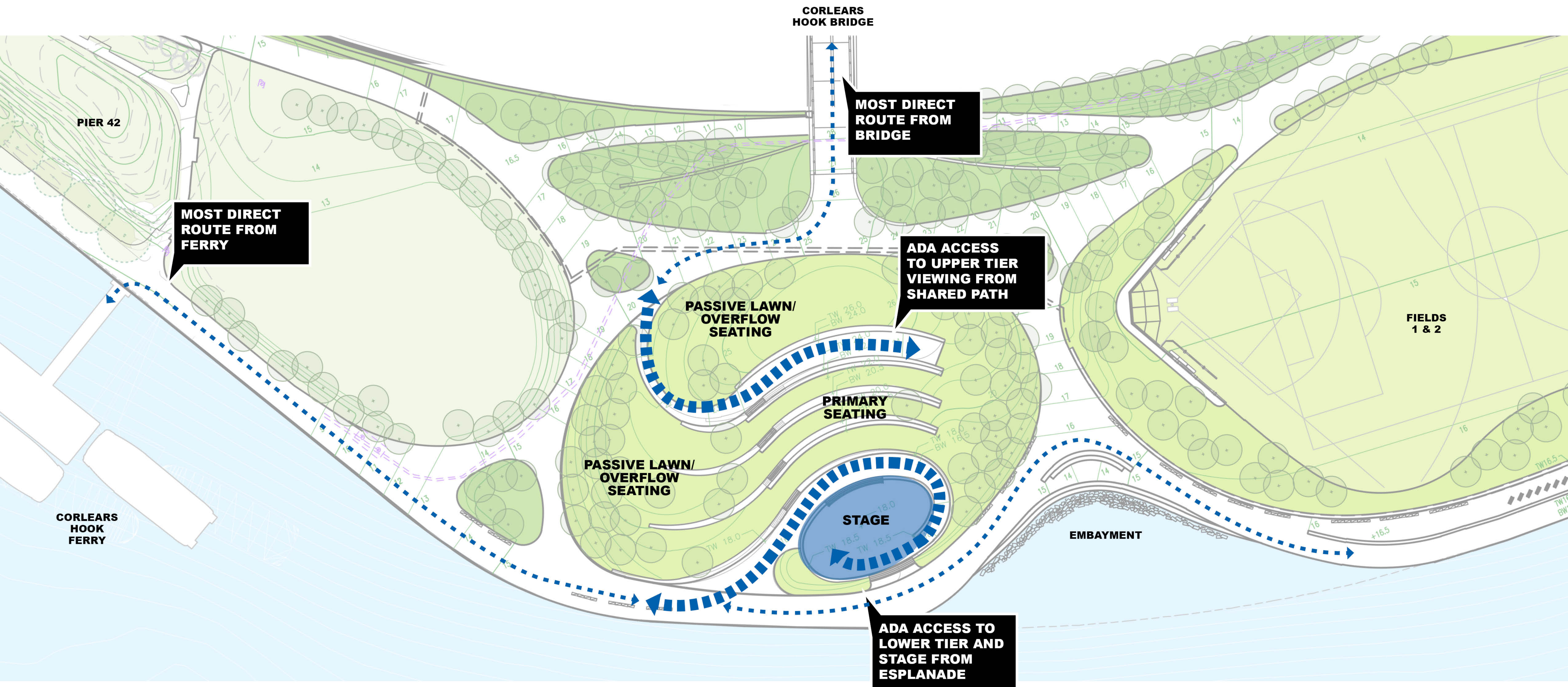
AMPHITHEATER - EXISTING CONDITIONS



AMPHITHEATER - PRELIMINARY CONCEPT PROGRAM



AMPHITHEATER - PRELIMINARY CIRCULATION & ACCESSIBILITY

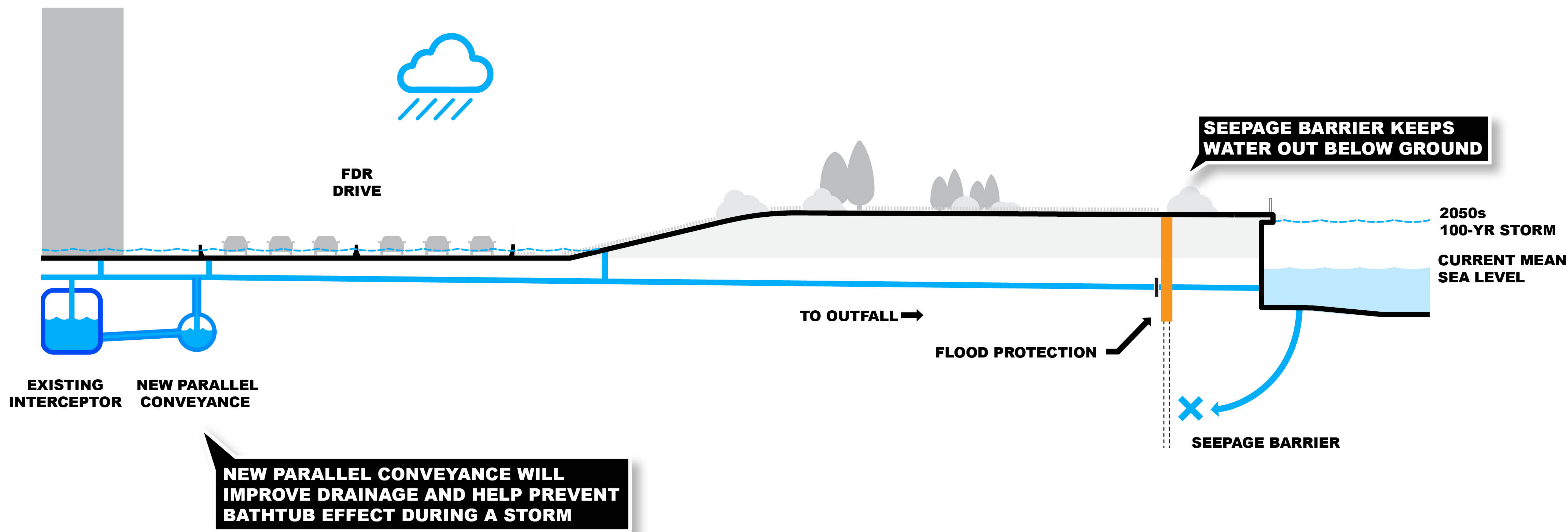


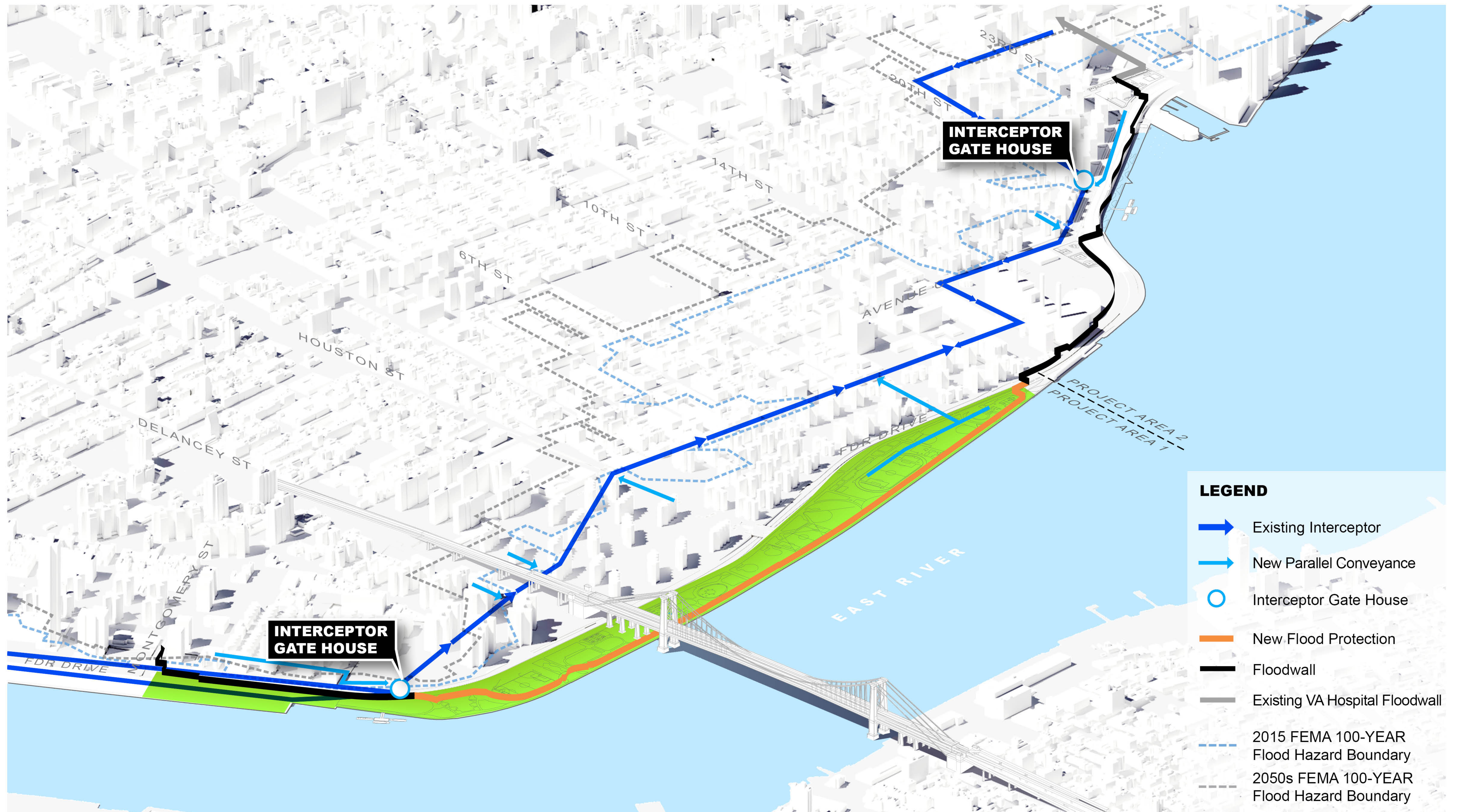
An aerial photograph of a city, likely New York City, showing a dense urban landscape with a river and a bridge. The image is overlaid with a teal filter. The text "DRAINAGE INFRASTRUCTURE" is centered in white, bold, uppercase letters.

DRAINAGE INFRASTRUCTURE

IMPROVED DRAINAGE

OPPORTUNITY TO IMPROVE DRAINAGE INFRASTRUCTURE IN STUDY AREA

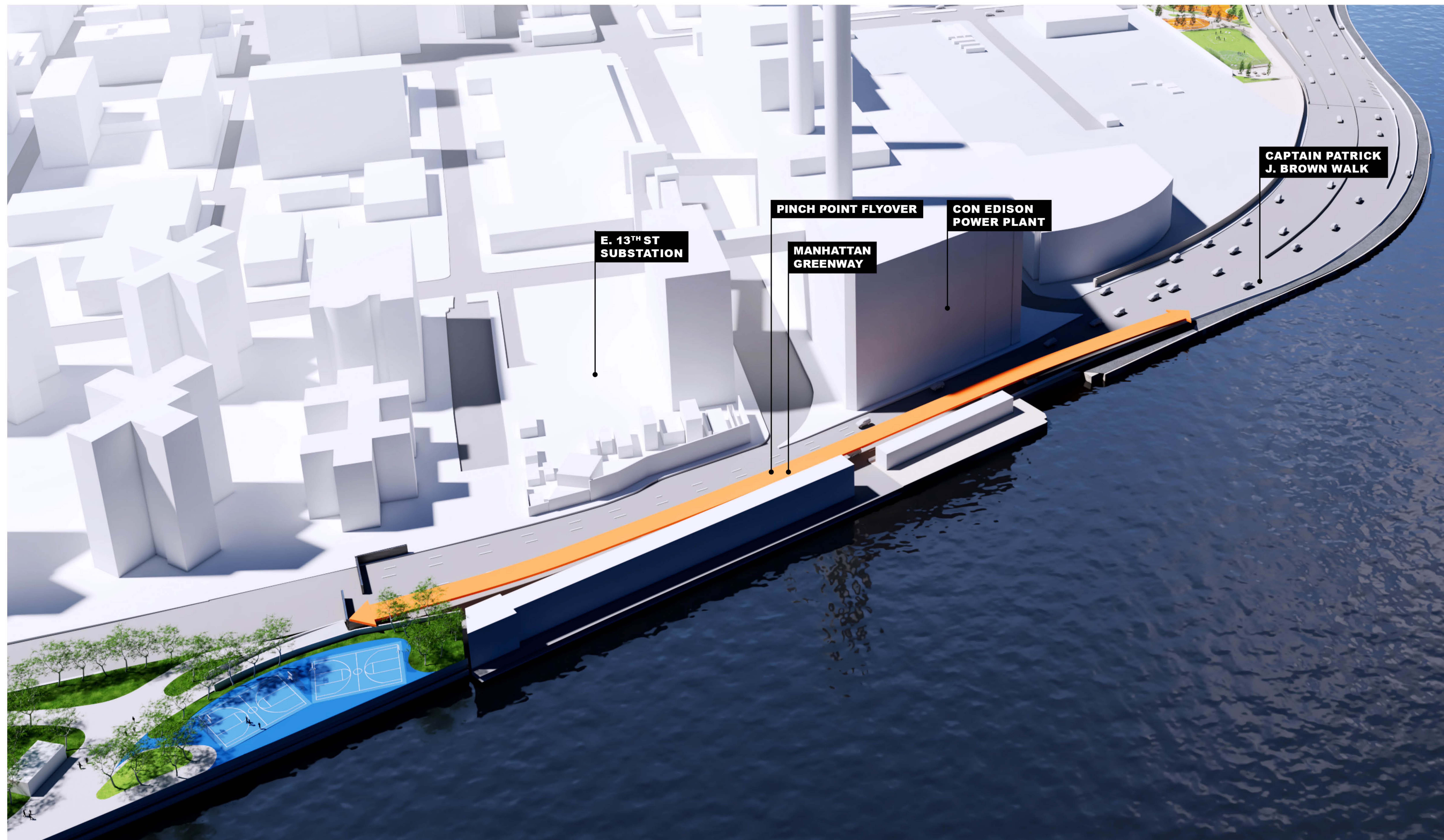




STORMWATER DRAINAGE SITE STRATEGY

An aerial photograph of a city waterfront, overlaid with a semi-transparent teal filter. 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 featuring a park with green fields, trees, and a small sports field. Several boats are visible in the water. The text 'PROJECT AREA 2' is centered in white, bold, sans-serif font.

PROJECT AREA 2



PINCH POINT FLYOVER BRIDGE
CURRENT PLAN



PROJECT AREA 2 PARKS
EXISTING CONDITIONS



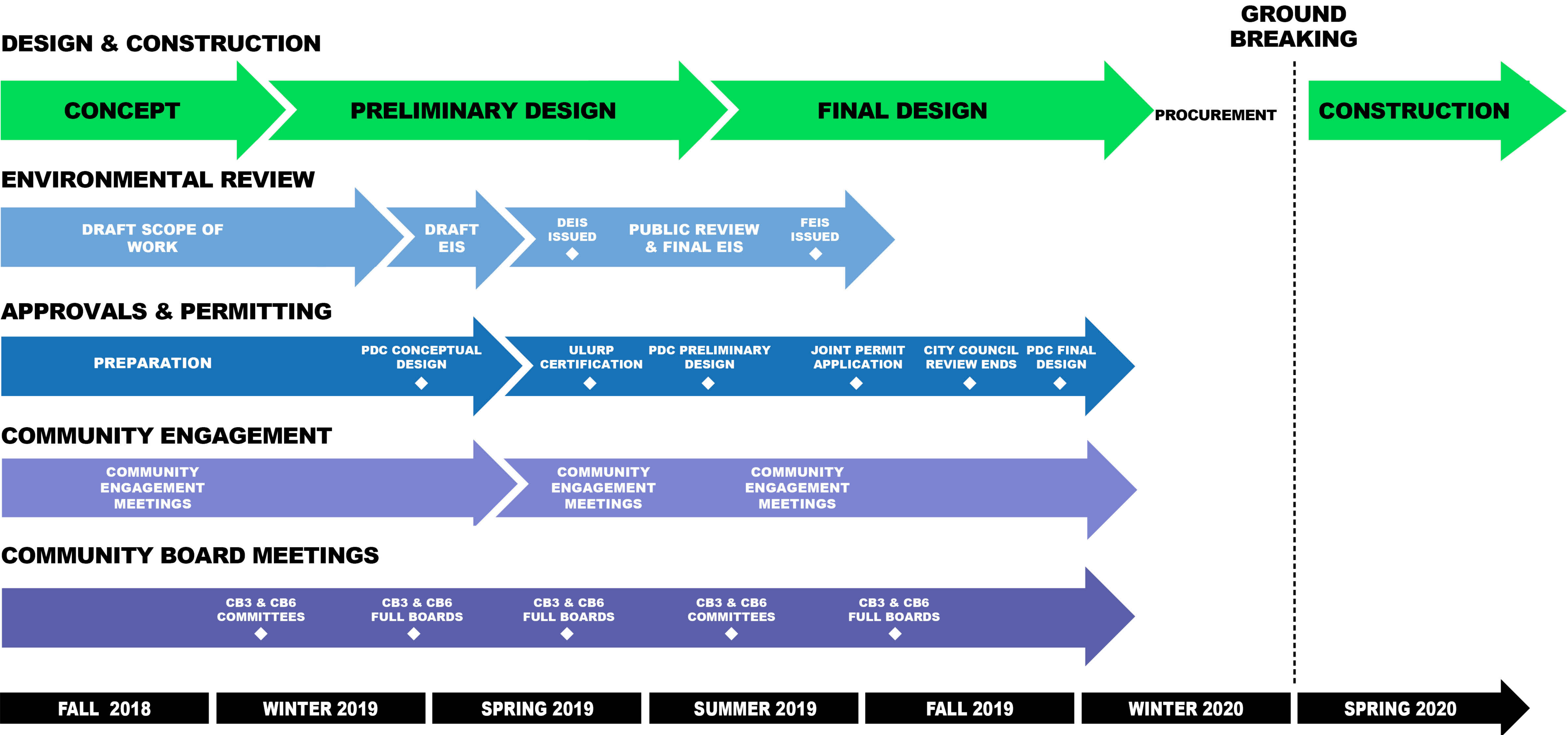
PROJECT AREA 2 PARKS
PRELIMINARY DESIGN

An aerial photograph of a city, likely New York City, showing a dense urban grid, a river, and a suspension bridge. The image is overlaid with a semi-transparent teal filter. The text "SCHEDULE & NEXT STEPS" is centered in white, bold, sans-serif font.

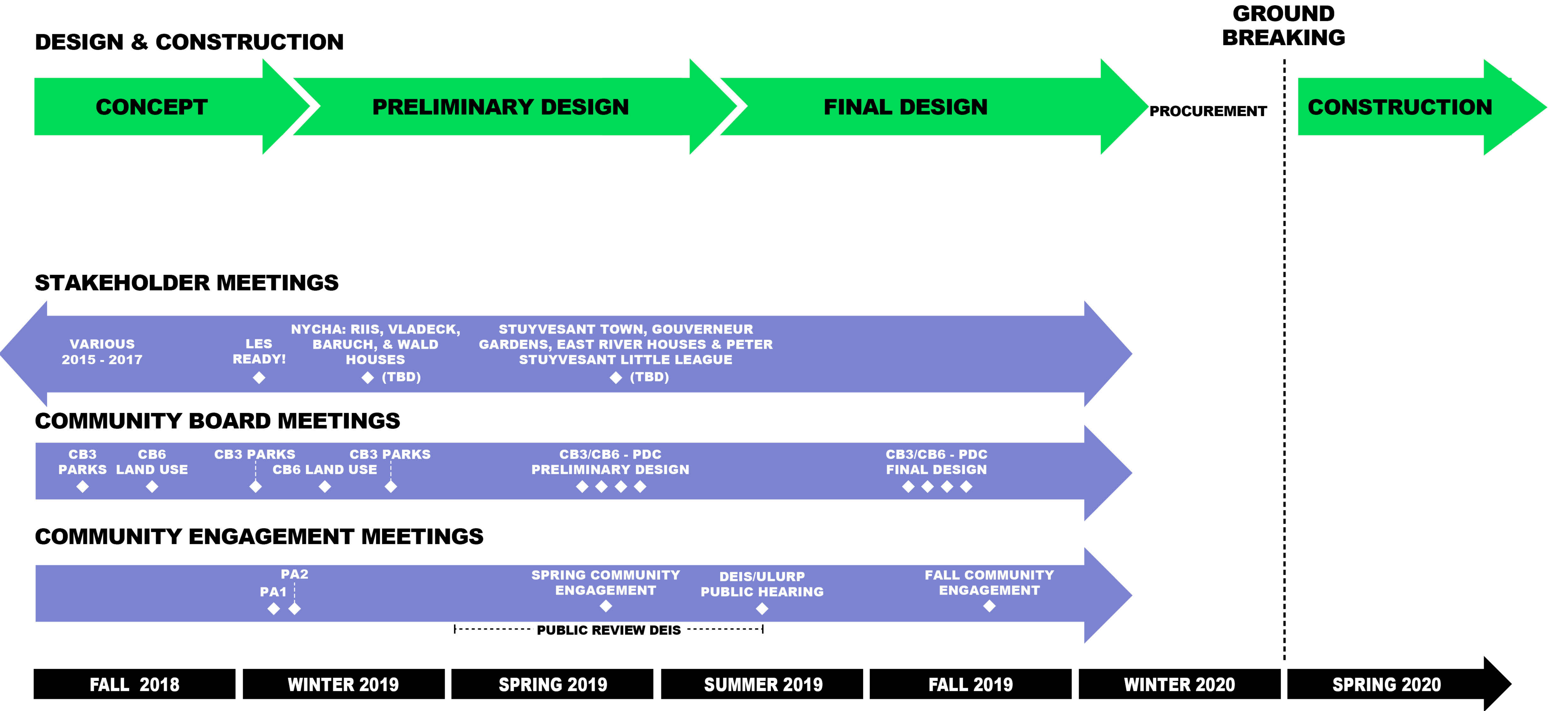
SCHEDULE & NEXT STEPS

IMPROVED SCHEDULE

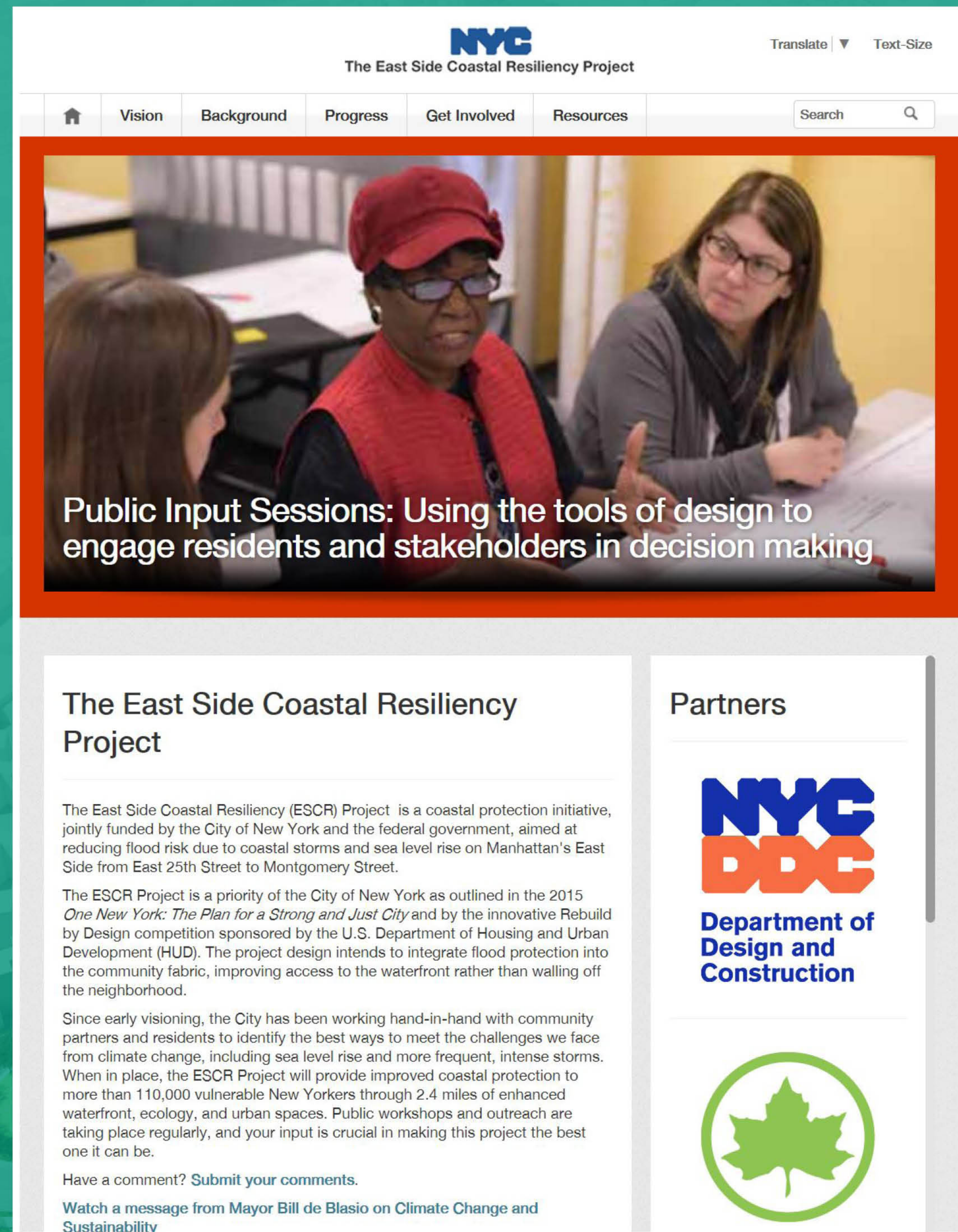
OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON



COMMUNITY ENGAGEMENT SCHEDULE



Website



Visit Us!
www.nyc.gov/escr
Twitter: **@NYClimate**

An aerial photograph of a city, likely New York City, showing a dense urban grid, a river, and a suspension bridge. The image is overlaid with a semi-transparent teal color. The text "Q+A" is centered in the middle of the image.

Q+A