

#ONENYC



EAST SIDE COASTAL RESILIENCY PROJECT
CB3/CB6 Joint Waterfront Task Force Presentation
September 20, 2016

CB3/CB6 JOINT TASK FORCE UPDATE

September 20, 2016

- 1. Project Overview**
- 2. Updated Schedule**
- 3. Where We Were - Fall 2015 Concept**
- 4. New Inputs and Considerations**
- 5. Updated Design Concept Preview**
- 6. Next Steps**

Questions/Discussion

- 1. Project Overview**
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EAST SIDE COASTAL RESILIENCY

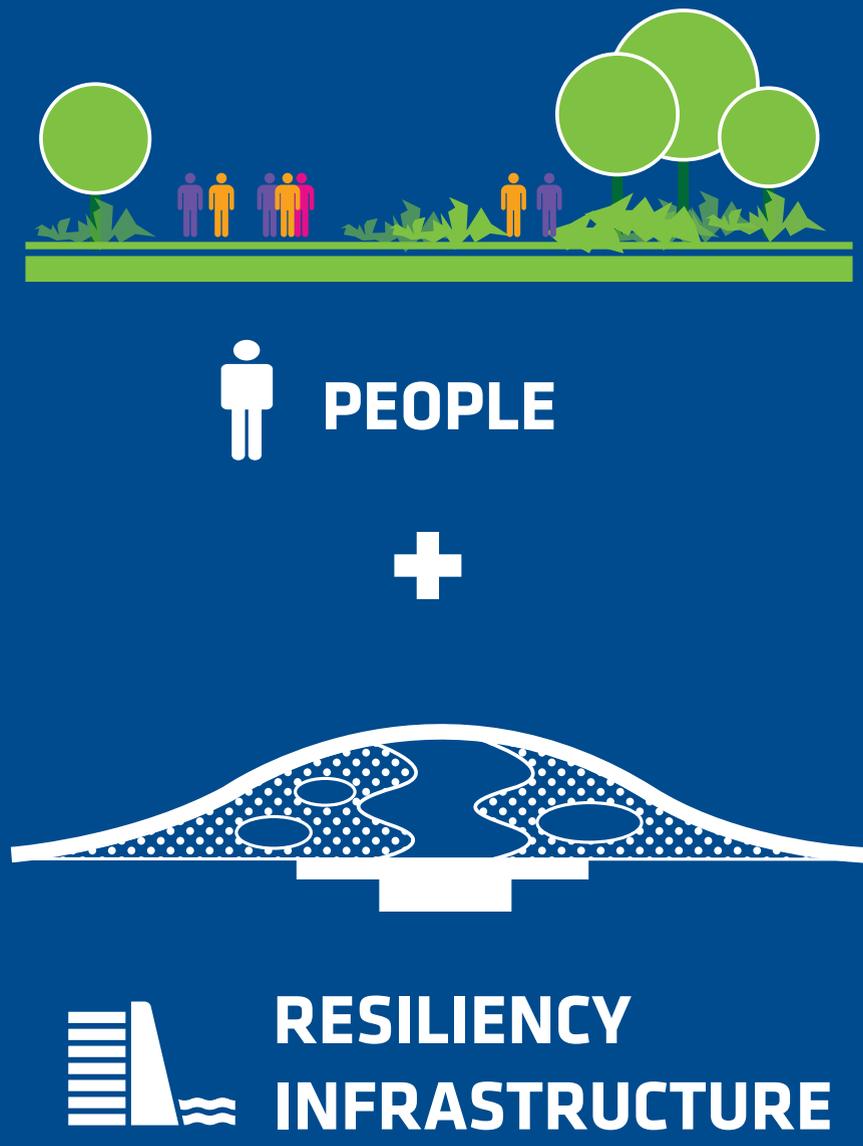
Project Goals

- Provide a reliable, integrated flood protection system; minimize use of closure structures and deployables
- Improve waterfront open spaces and access
- Respond quickly to the urgent need for increased flood protection and resiliency
- Achieve implementation milestones and project funding allocations as established by HUD



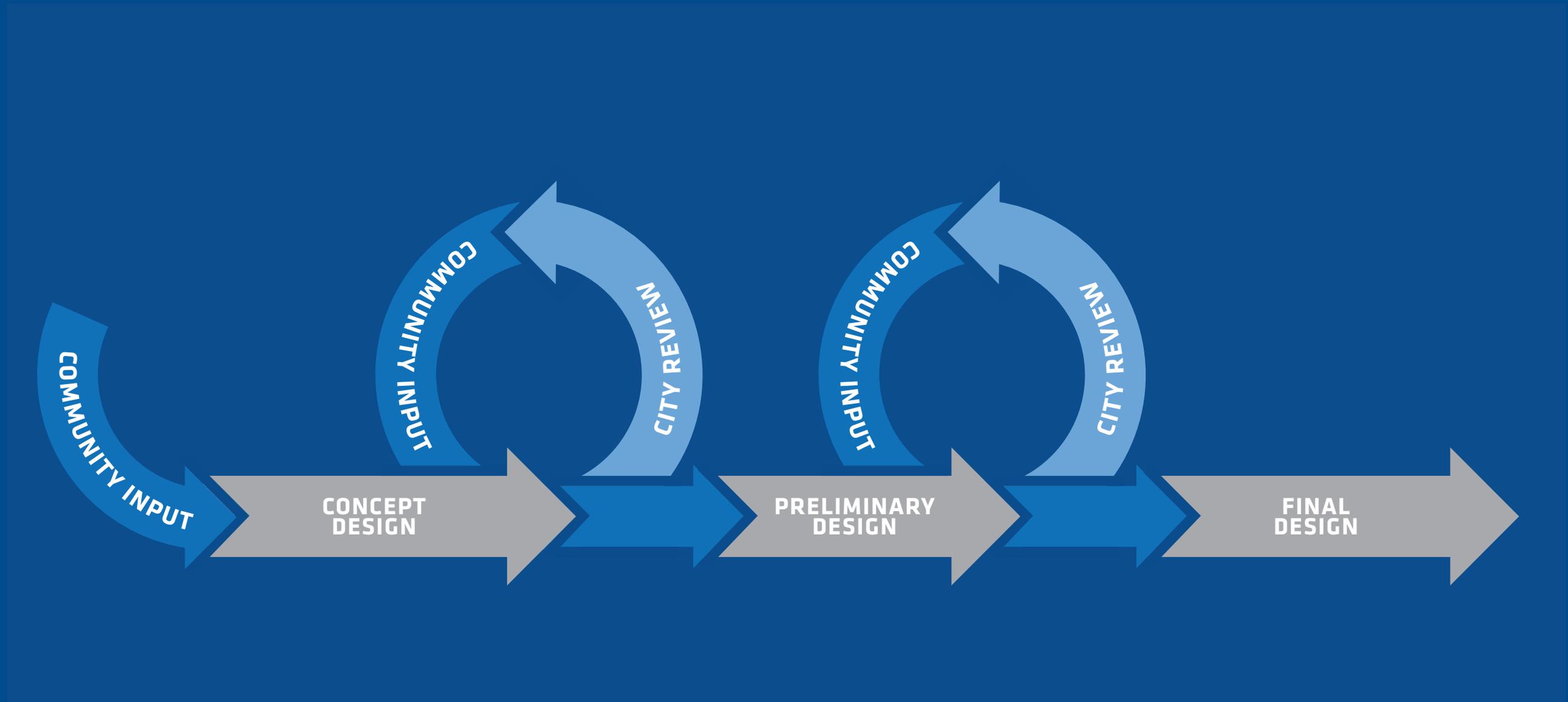
EAST SIDE COASTAL RESILIENCY

Social Infrastructure



EAST SIDE COASTAL RESILIENCY

Iterative Design Process



EAST SIDE COASTAL RESILIENCY

What have we been up to?

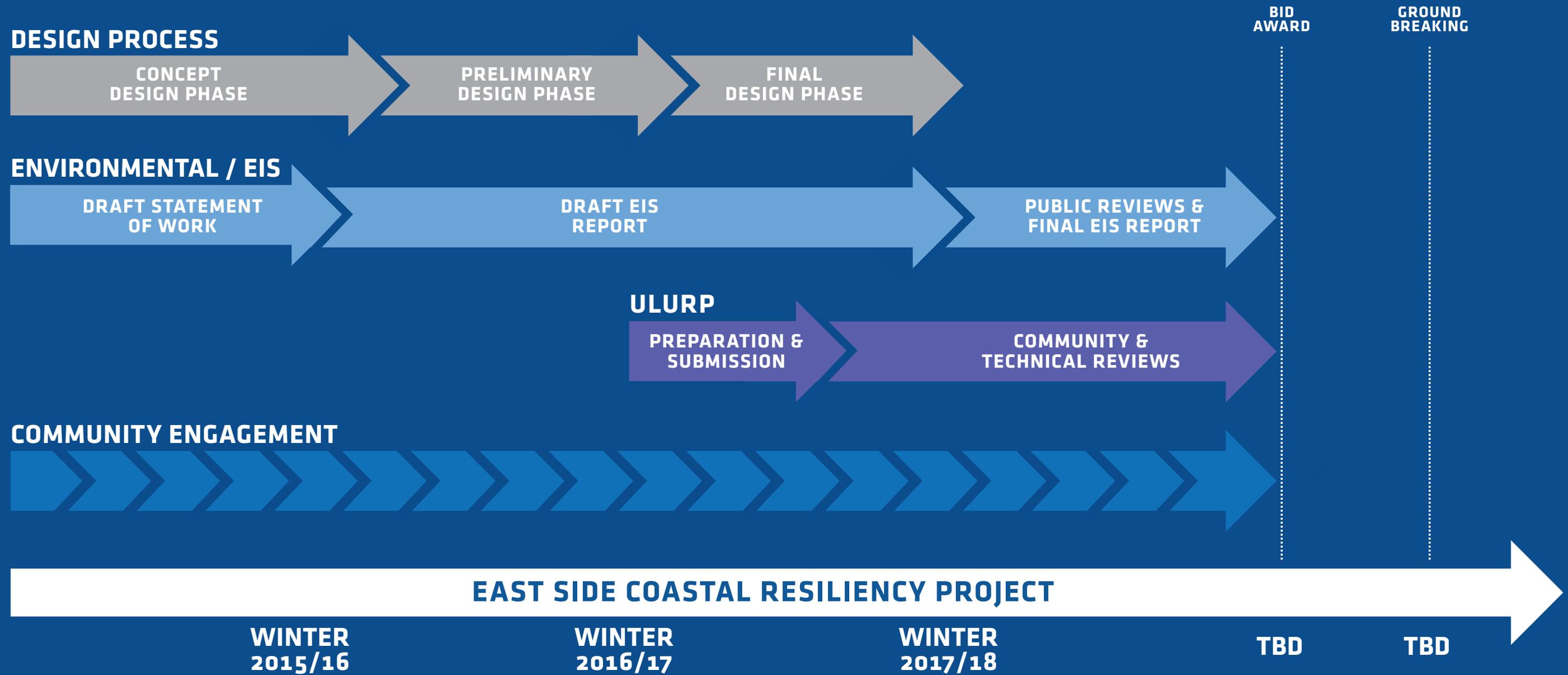
Since Fall/Winter 2015:

- Procuring final design team
- Addressing comments on Draft Scope of Work
- Evaluating Alternatives
- Developing draft Environmental Impact Statement (EIS) and permit applications
- Refining concept design based on:
 - Community input
 - Agency requirements
 - Regulatory concerns
 - Technical constraints
 - New inputs and considerations

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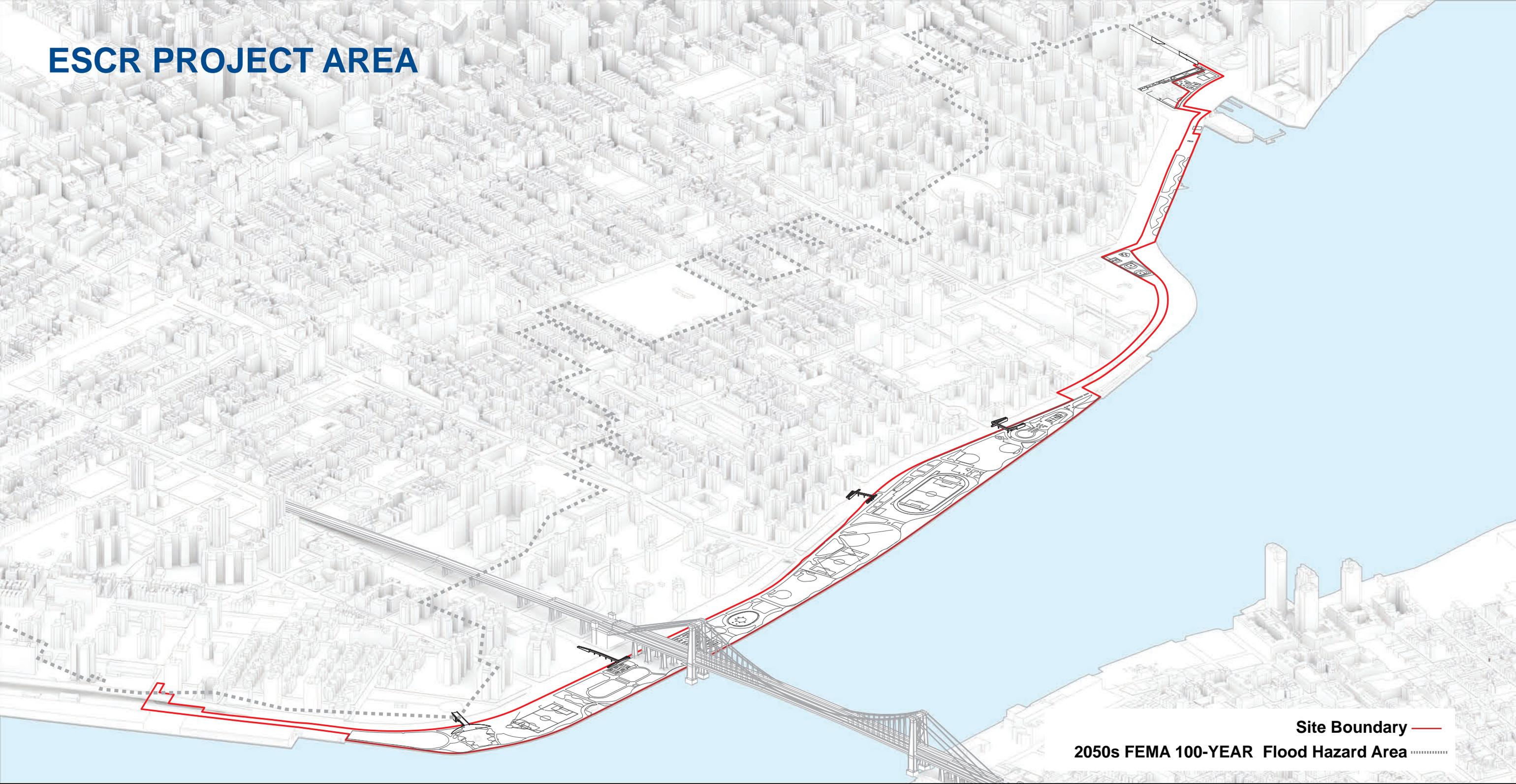
Updated Project Schedule



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PROJECT CONTEXT AND PARAMETERS

ESCR PROJECT AREA



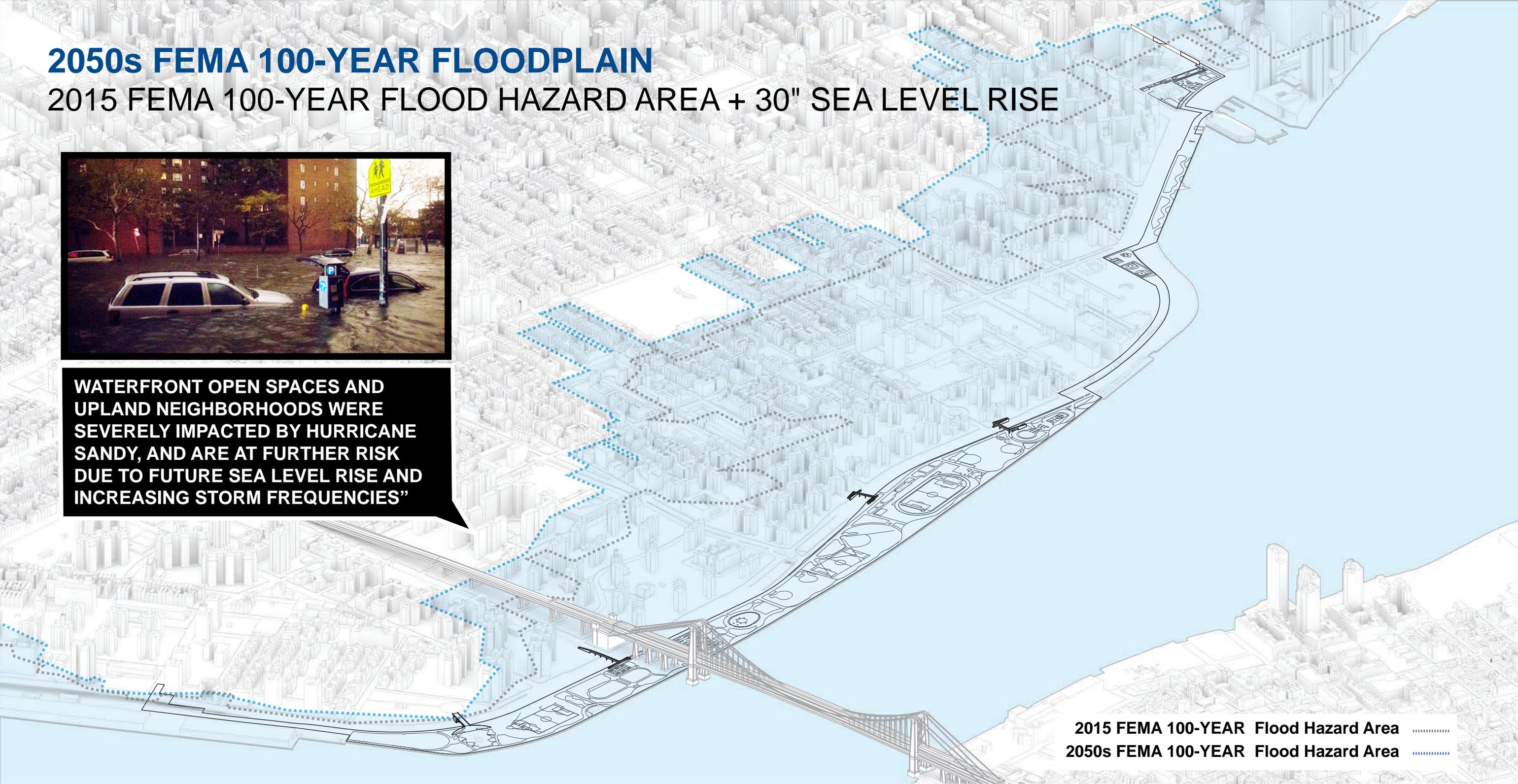
Site Boundary —
2050s FEMA 100-YEAR Flood Hazard Area

2050s FEMA 100-YEAR FLOODPLAIN

2015 FEMA 100-YEAR FLOOD HAZARD AREA + 30" SEA LEVEL RISE

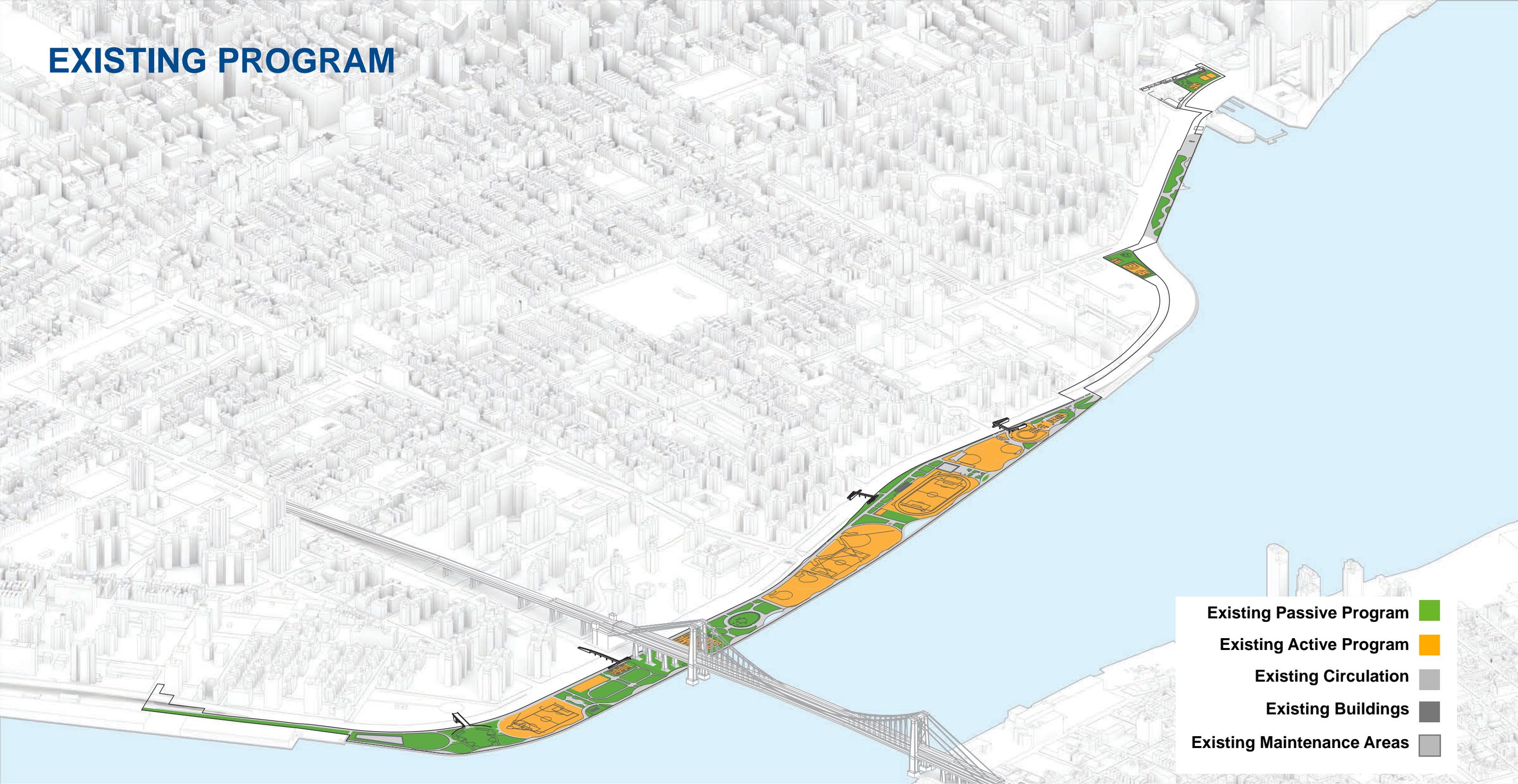


WATERFRONT OPEN SPACES AND UPLAND NEIGHBORHOODS WERE SEVERELY IMPACTED BY HURRICANE SANDY, AND ARE AT FURTHER RISK DUE TO FUTURE SEA LEVEL RISE AND INCREASING STORM FREQUENCIES”

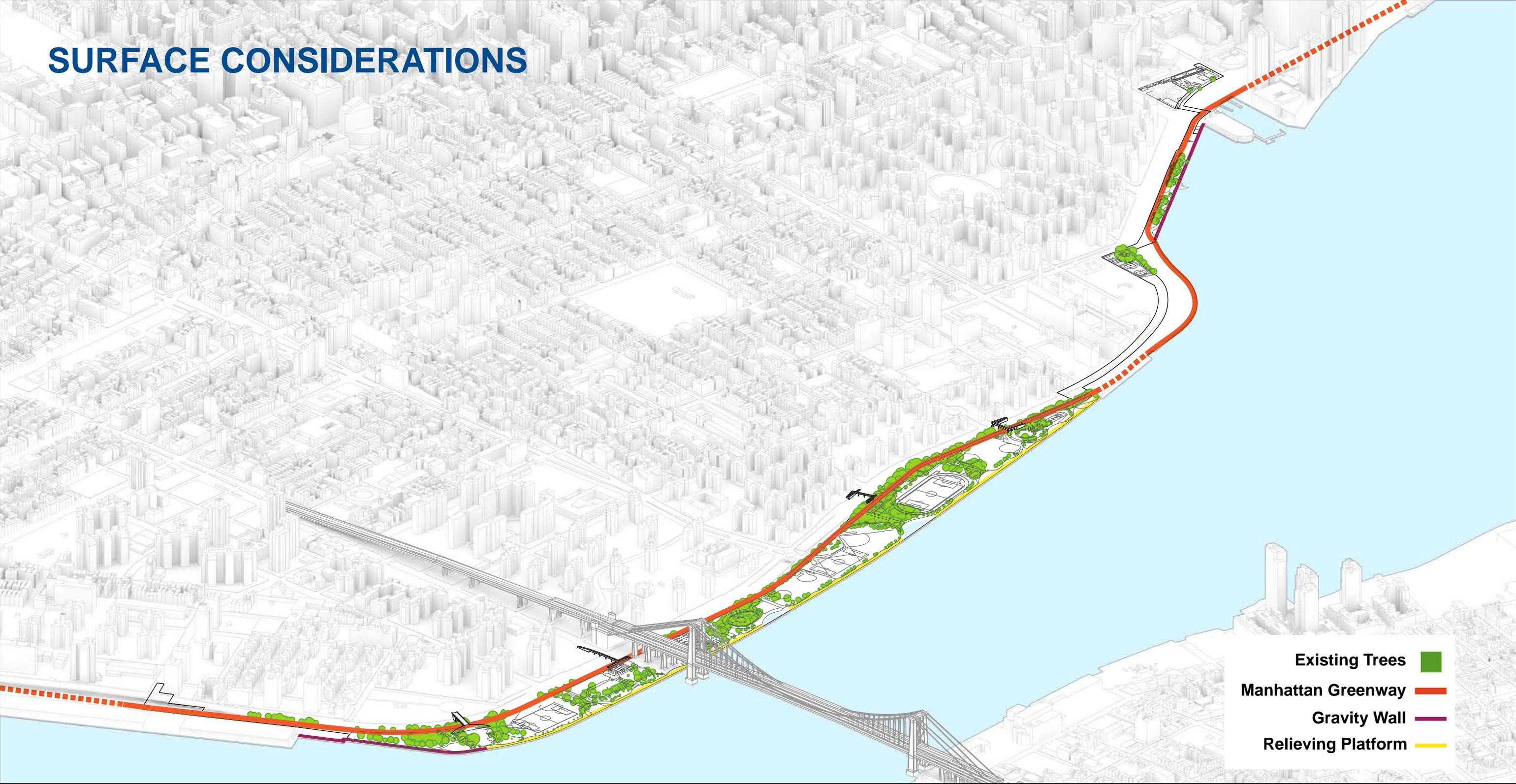


2015 FEMA 100-YEAR Flood Hazard Area
2050s FEMA 100-YEAR Flood Hazard Area

EXISTING PROGRAM



SURFACE CONSIDERATIONS



Existing Trees	■
Manhattan Greenway	■
Gravity Wall	■
Relieving Platform	■

EAST SIDE COASTAL RESILIENCY 2015 Community Engagement Recap

ROUND 1

x2 Meetings



MARCH 19TH + 23RD

How do you use the waterfront?

ROUND 2

x3 Meetings



MAY 18TH, 28TH, 30TH

Access and Flood Protection:
What are the options?

ROUND 3

x4 Meetings



JULY 28TH, 29TH, 30TH + SEPT. 10TH

How do we combine options?

ROUND 4

x2 Meetings



OCTOBER 6TH + 8TH

Initial Design Direction:
Feedback and Discussion



QUARTERLY TASK FORCE MEETINGS

COMMUNITY ENGAGEMENT FEEDBACK

EXTENSIVE COMMUNITY ENGAGEMENT WAS UNDERTAKEN TO DETERMINE HOW FLOOD PROTECTION COULD MEET NEEDS AND DESIRES OF THE COMMUNITY

“MAINTAIN AT GRADE CROSSINGS AT MAJOR JUNCTIONS!”

“INTEGRATE FUTURE DEVELOPMENTS SUCH AS SOLAR 2!”

“WE LIKE THE SEPARATED BIKE LANE! IT’S SAFER FOR BIKES AND PEDESTRIANS.”

“MAXIMIZE PASSIVE PROTECTION!”

“GET US IN THE MOOD FOR A PARK! YOU CAN’T SEE THE BRIDGE FROM BACK HERE”

“THE RAMPS ARE TOO STEEP ON BOTH SIDES OF THE BRIDGE”

“WE NEED MORE PASSIVE SPACE!”

“THIS IS A VERY DANGEROUS CROSSING FOR KIDS!”

“THIS AREA IS THE BEST FOR FAMILIES”

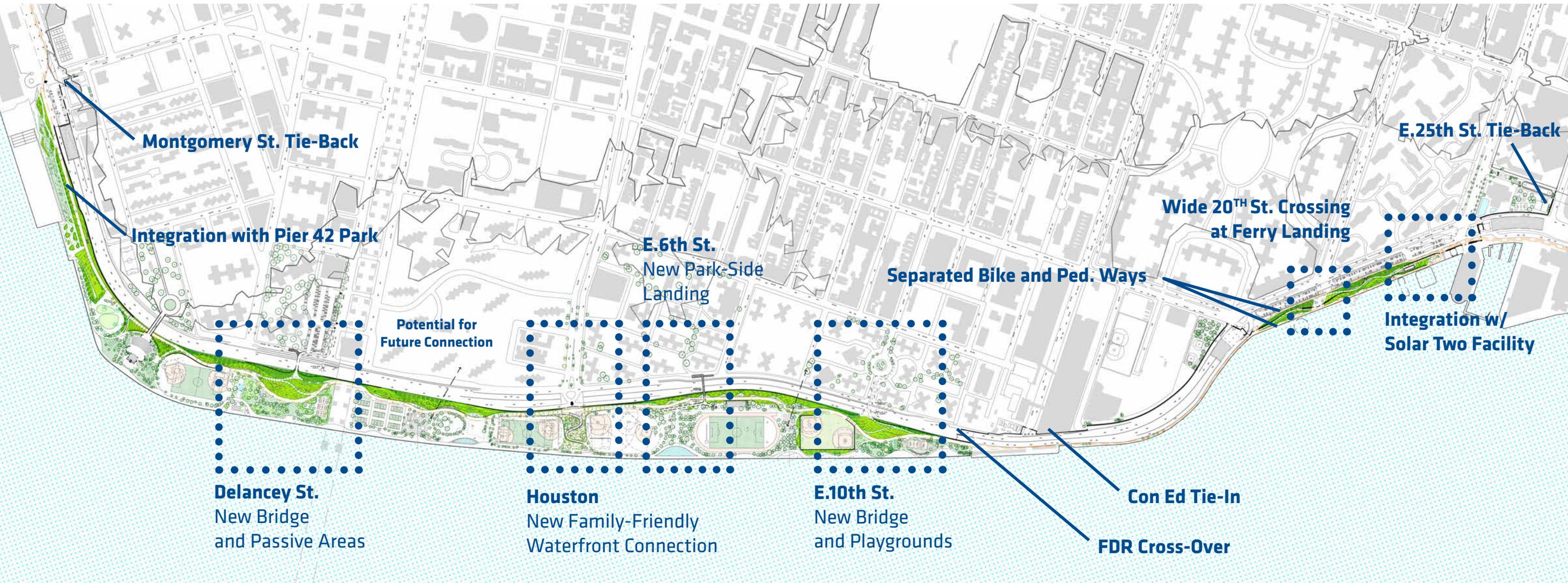
“DELANCEY IS AN IMPORTANT CROSSING INTO THE PARK”

“THIS AREA HAS THE BEST TREES!”

“MAINTAIN VIEWS AND ACCESS TO THE NEW PIER 42 PARK”

“THIS STAIRCASE IS DANGEROUSLY STEEP”

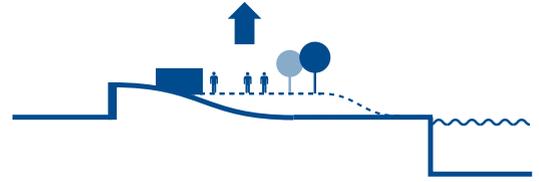
WHERE WE LEFT OFF - FALL 2015 INITIAL DESIGN DIRECTION



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NEW PARAMETERS

EXPAND AVAILABLE PROGRAMMING BY CREATING MORE FLEXIBLE, CASUAL, MULTI-USE AREAS OF PARK



PARK RESILIENCY

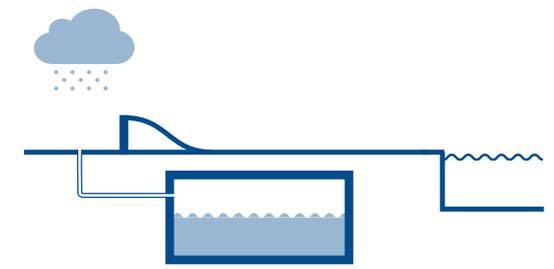


DIVERSIFY PROGRAM



INTEGRATE CON-ED

INCORPORATE A NEW STORAGE TANK TO MANAGE COMBINED SEWER OVERFLOW



STORAGE TANK

INCORPORATE MORE HOLISTIC RESILIENCE OF WATERFRONT PARKS AND OPEN SPACES

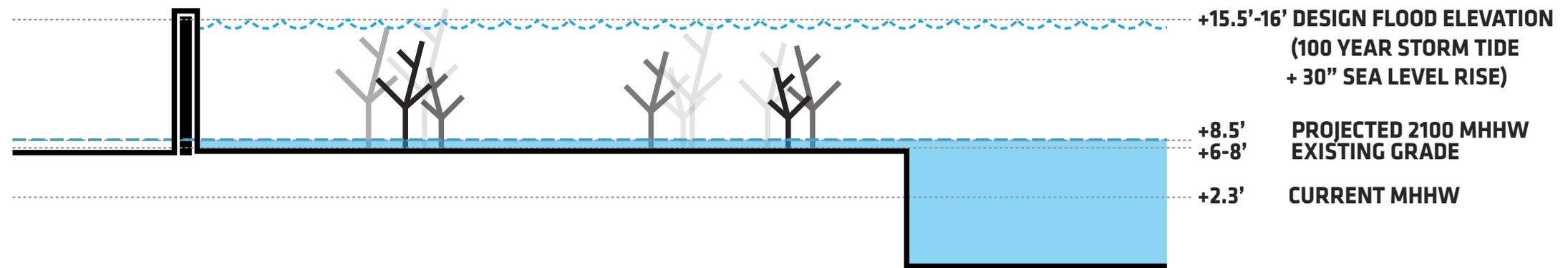
INCORPORATE CRITICAL CON-ED TRANSMISSION LINES, WHICH CARRY 16% OF NYC'S ELECTRICITY

EAST RIVER PARK

BASELINE FLOOD PROTECTION

NOTE: ILLUSTRATIVE DIAGRAM, NOT-TO-SCALE

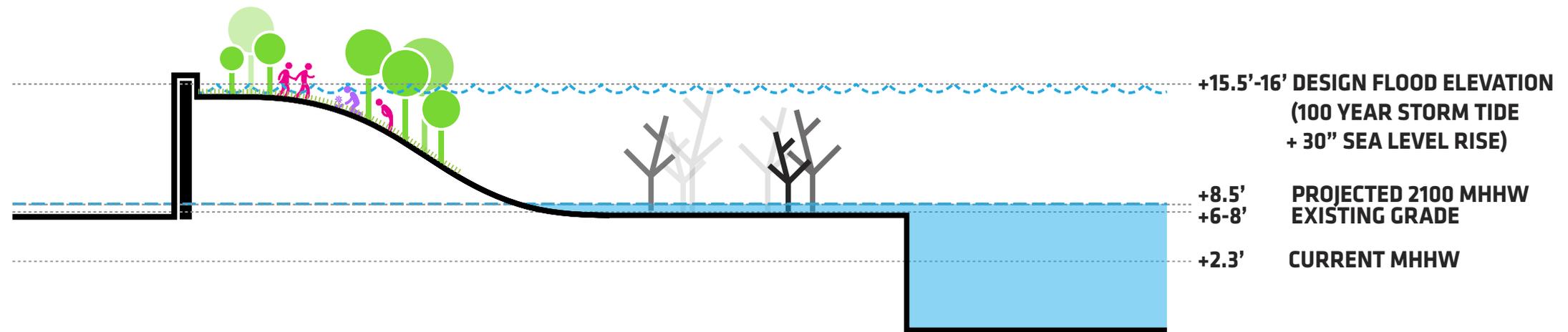
A FLOODWALL ALONG THE BACK EDGE OF THE PARK PROTECTS THE CITY, BUT LEAVES THE PARK OPEN TO DAMAGE FROM FUTURE SEA LEVEL RISE AND HIGHER FREQUENCY STORM EVENTS



INTEGRATED FLOOD PROTECTION FALL 2015 CONCEPT

NOTE: ILLUSTRATIVE DIAGRAM, NOT-TO-SCALE

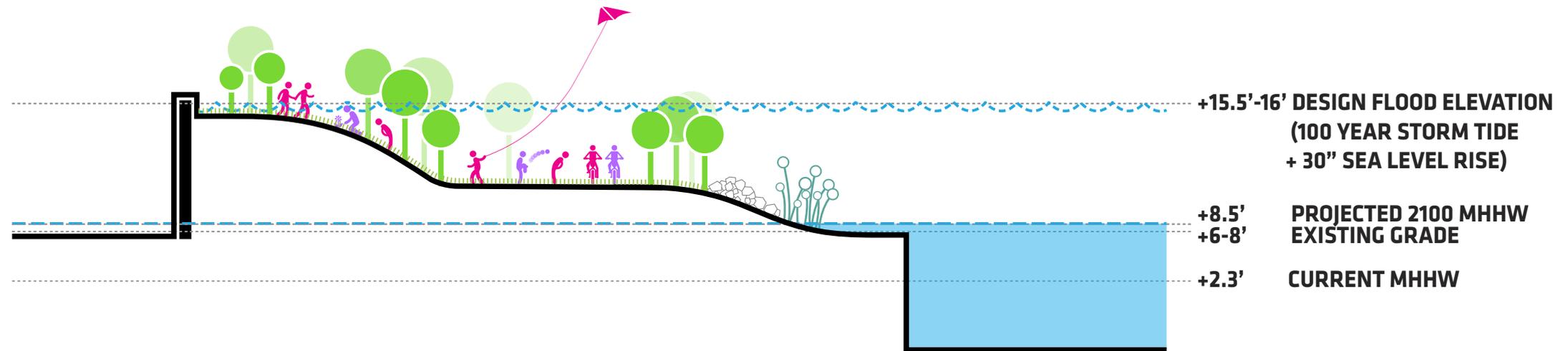
A WALL WITH BERM ELEMENTS
WOULD SOFTEN INTEGRATION
WITH THE PARK, BUT LEAVE LARGE
AREAS OF THE PARK AT RISK



PARK INTEGRATION

NOTE: ILLUSTRATIVE DIAGRAM, NOT-TO-SCALE

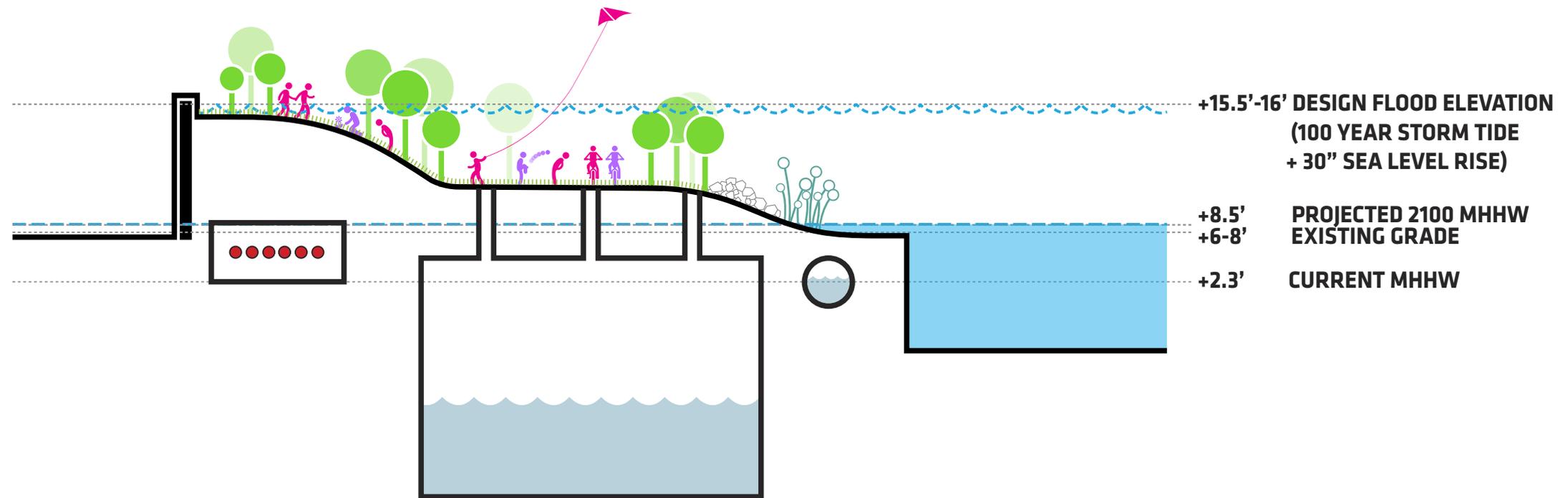
**INTEGRATING AND RAISING
MORE AREAS OF THE
PARK BUILDS OPEN SPACE
RESILIENCY INTO THE FUTURE**



SUB-SURFACE INFRASTRUCTURE

NOTE: ILLUSTRATIVE DIAGRAM, NOT-TO-SCALE

**INCREASED LIMIT OF WORK
ALSO ALLOWS DESIGN TO
ACCOMMODATE NEW RESILIENT
SUB-SURFACE INFRASTRUCTURE**



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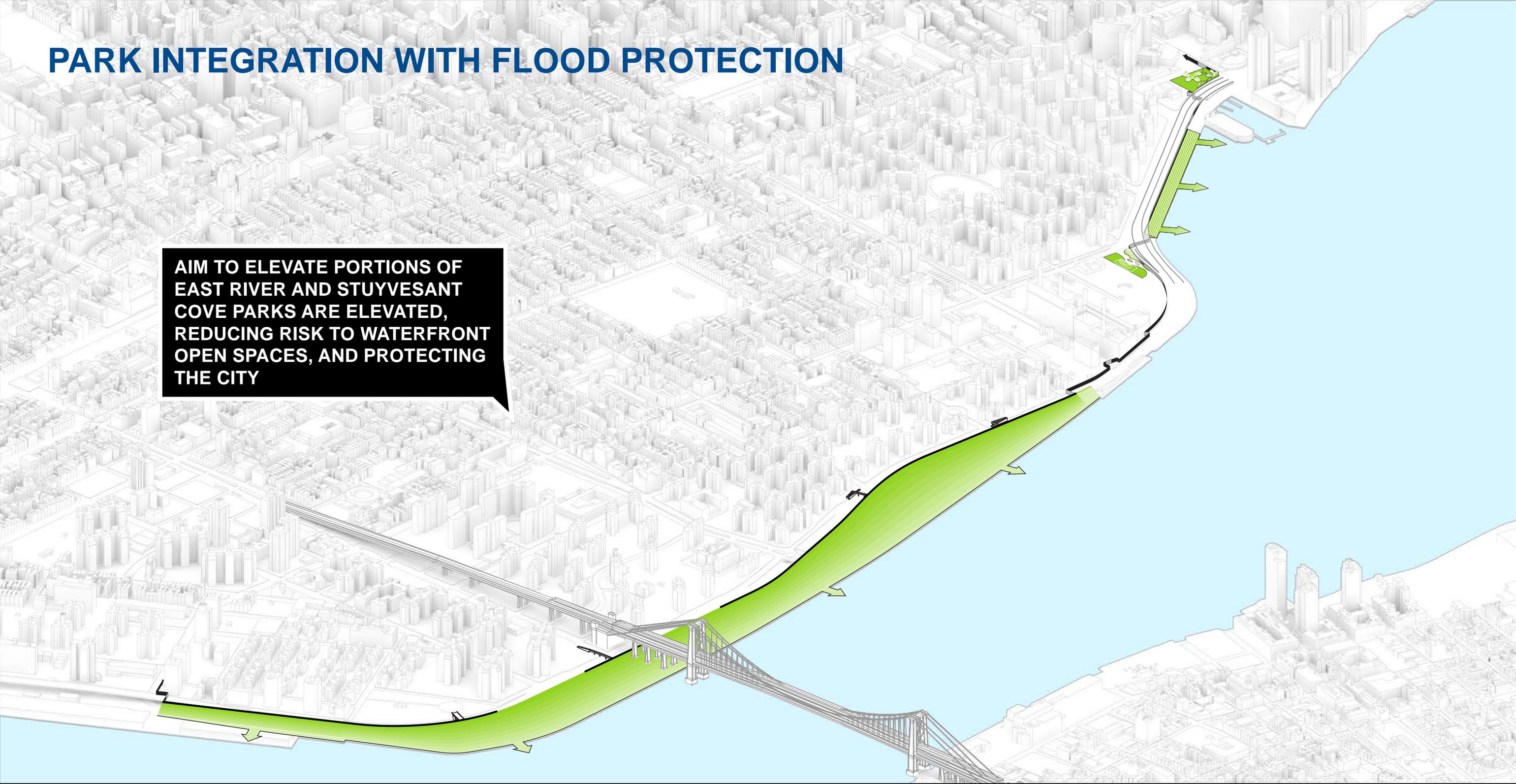
BASELINE FLOOD PROTECTION COMPONENTS

A COMBINATION OF FLOODWALLS, LEVEES, AND CLOSURE STRUCTURES COMPRISE THE BASELINE FLOOD PROTECTION SYSTEM, REACHING +16' ABOVE MEAN SEA LEVEL

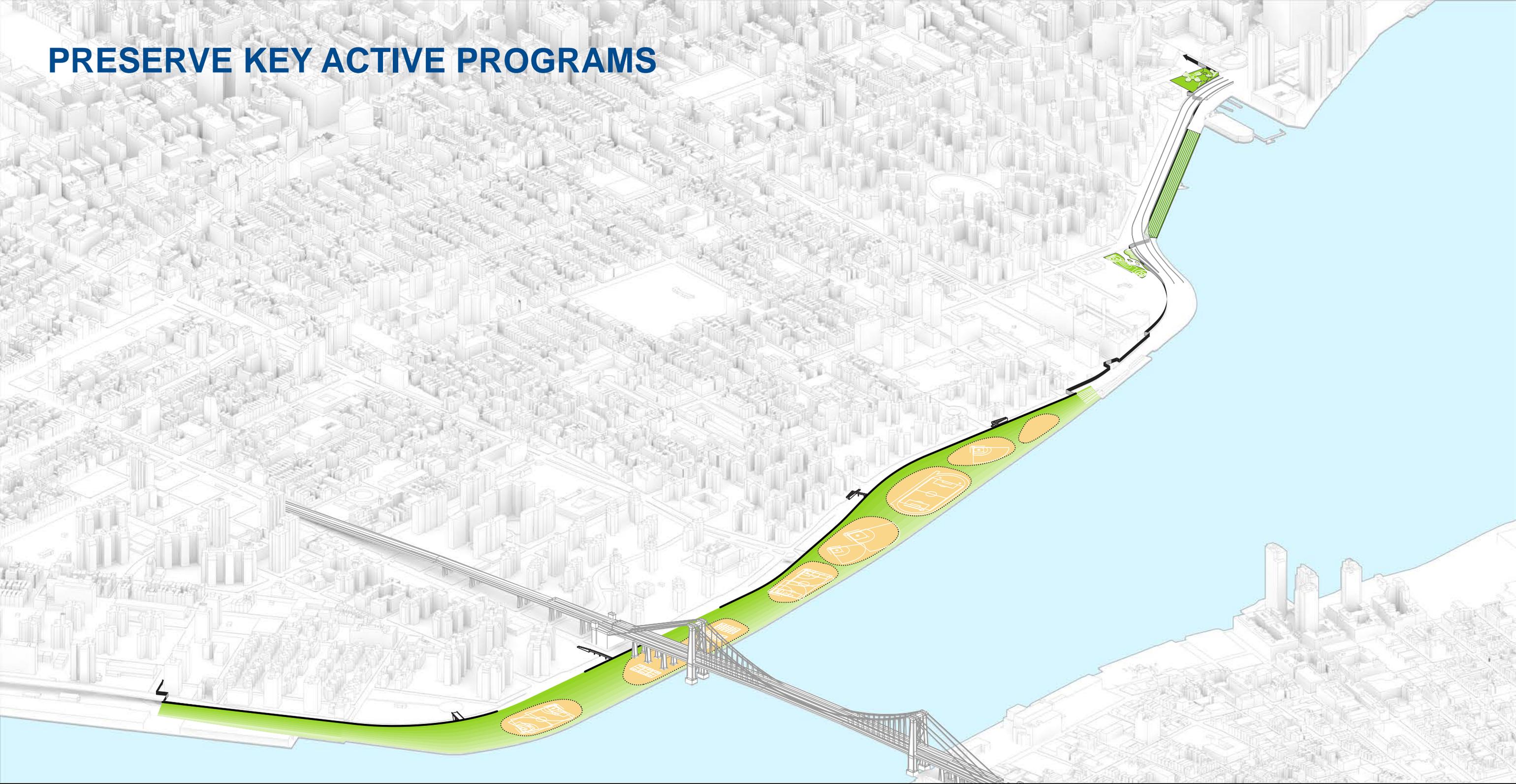
Floodwall/Levee ■
Closure Structures ■

PARK INTEGRATION WITH FLOOD PROTECTION

AIM TO ELEVATE PORTIONS OF EAST RIVER AND STUYVESANT COVE PARKS ARE ELEVATED, REDUCING RISK TO WATERFRONT OPEN SPACES, AND PROTECTING THE CITY



PRESERVE KEY ACTIVE PROGRAMS



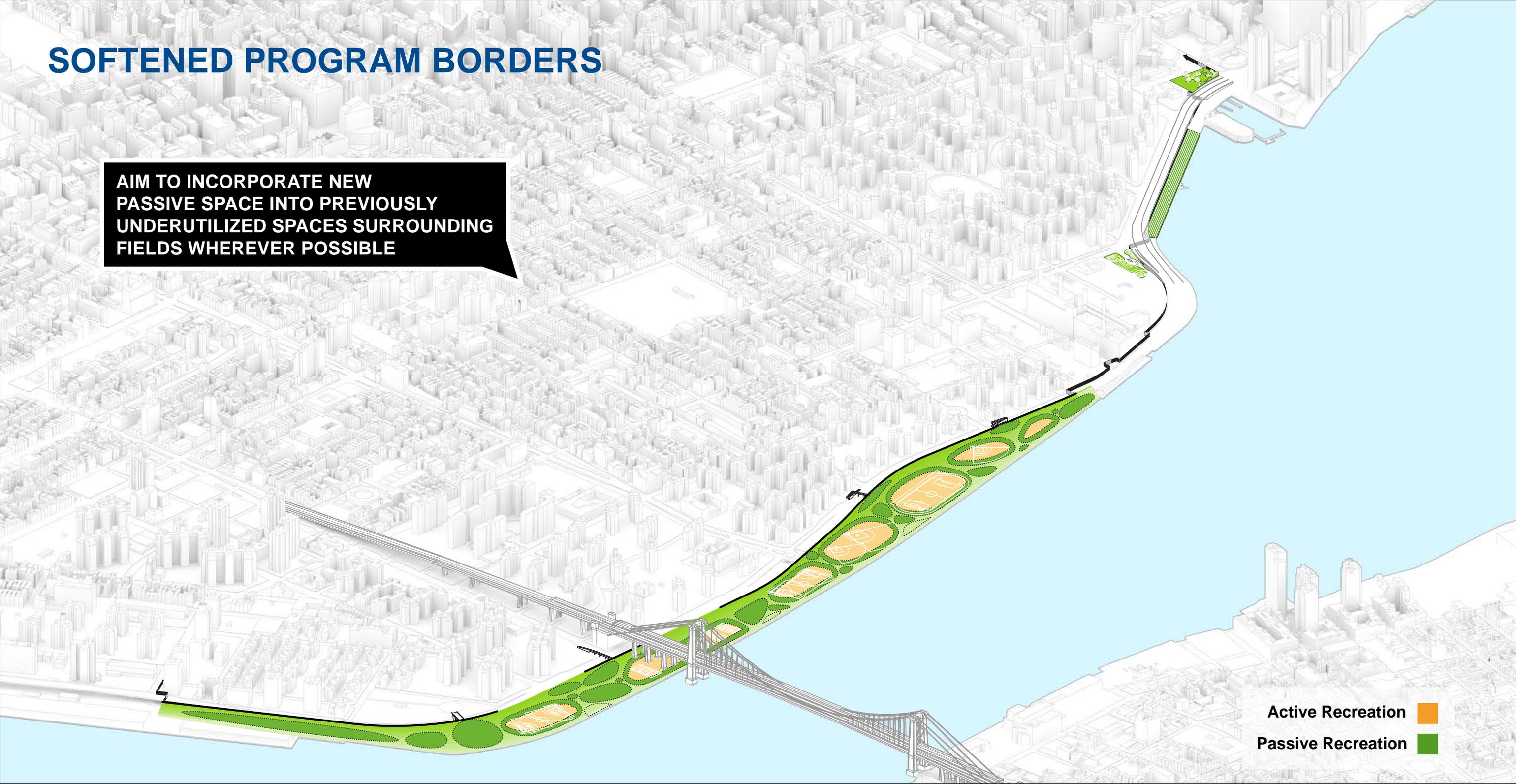
NEW PASSIVE RECREATION AREAS

LEAVING ROOM FOR IMPROVED PASSIVE SPACE THROUGHOUT THE REST OF THE PARK!

Active Recreation 
Passive Recreation 

SOFTENED PROGRAM BORDERS

AIM TO INCORPORATE NEW
PASSIVE SPACE INTO PREVIOUSLY
UNDERUTILIZED SPACES SURROUNDING
FIELDS WHEREVER POSSIBLE

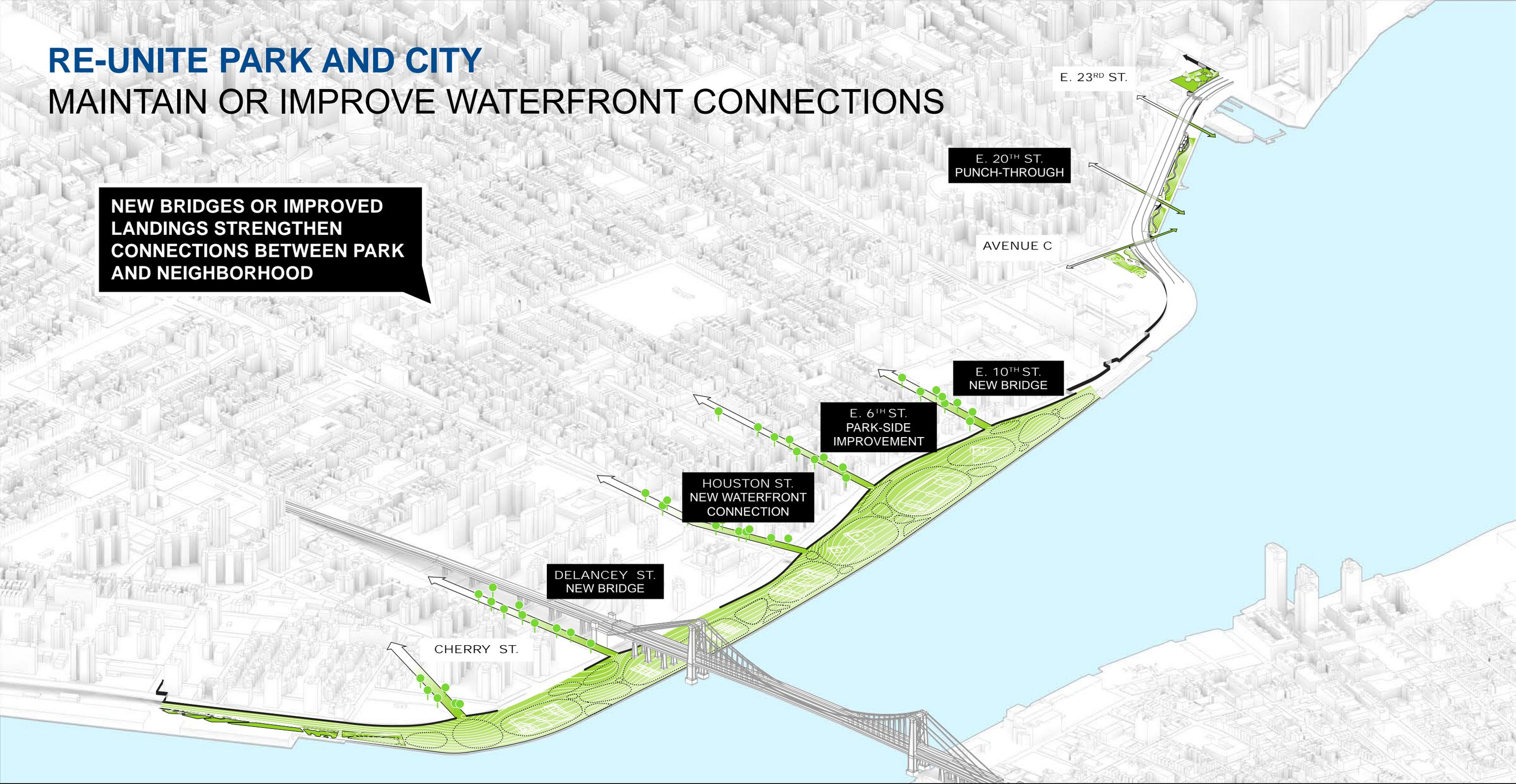


Active Recreation 
Passive Recreation 

RE-UNITE PARK AND CITY

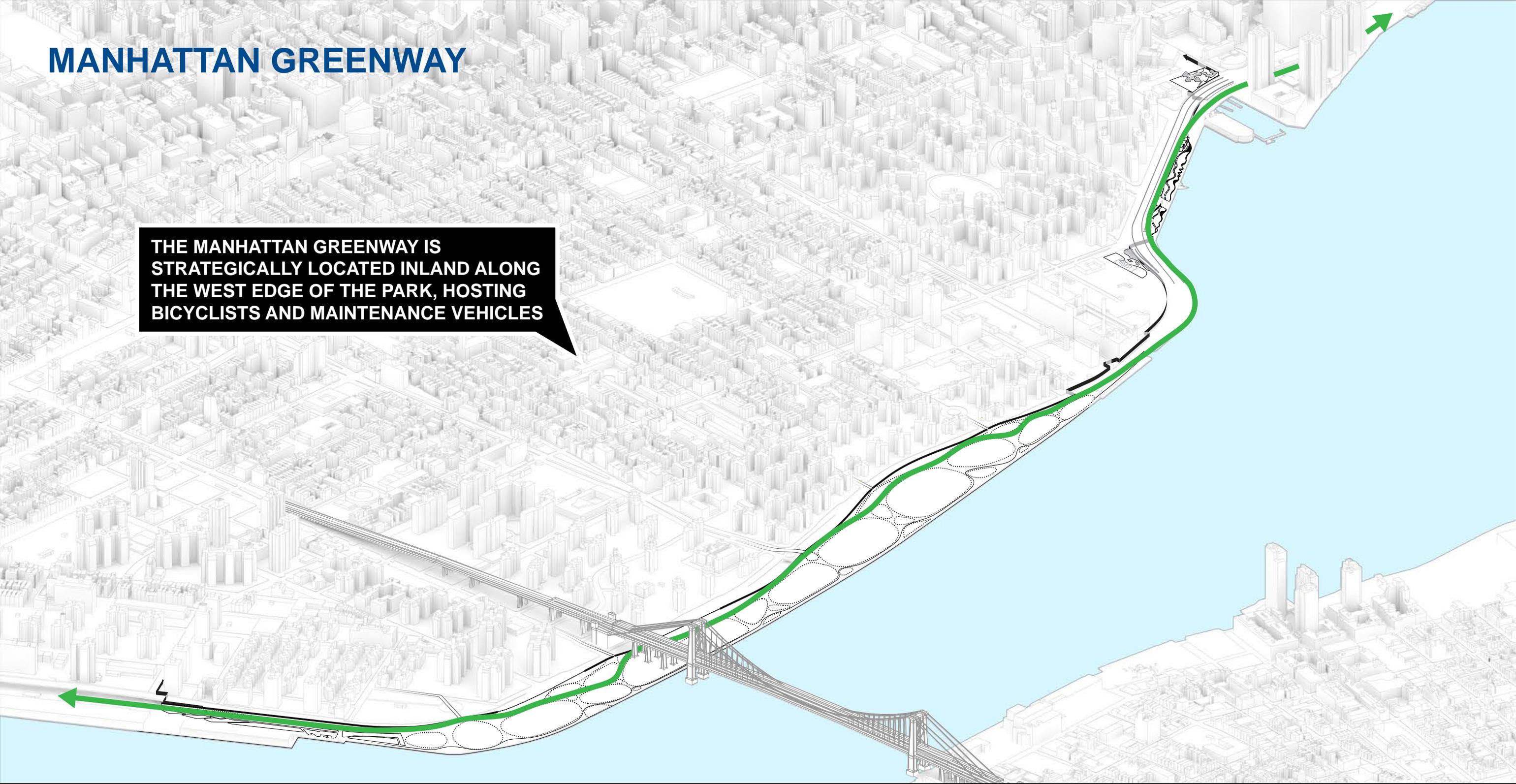
MAINTAIN OR IMPROVE WATERFRONT CONNECTIONS

NEW BRIDGES OR IMPROVED LANDINGS STRENGTHEN CONNECTIONS BETWEEN PARK AND NEIGHBORHOOD

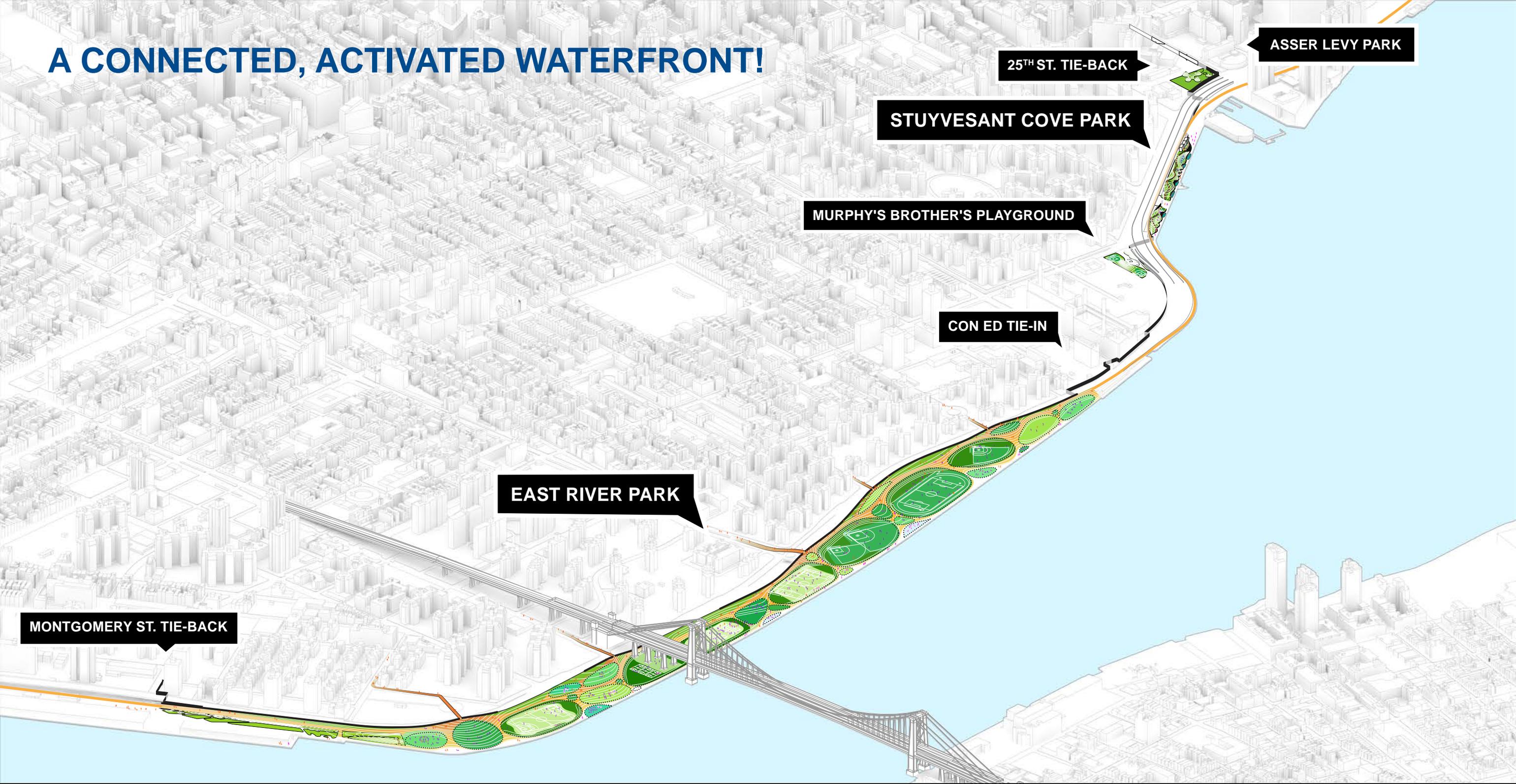


MANHATTAN GREENWAY

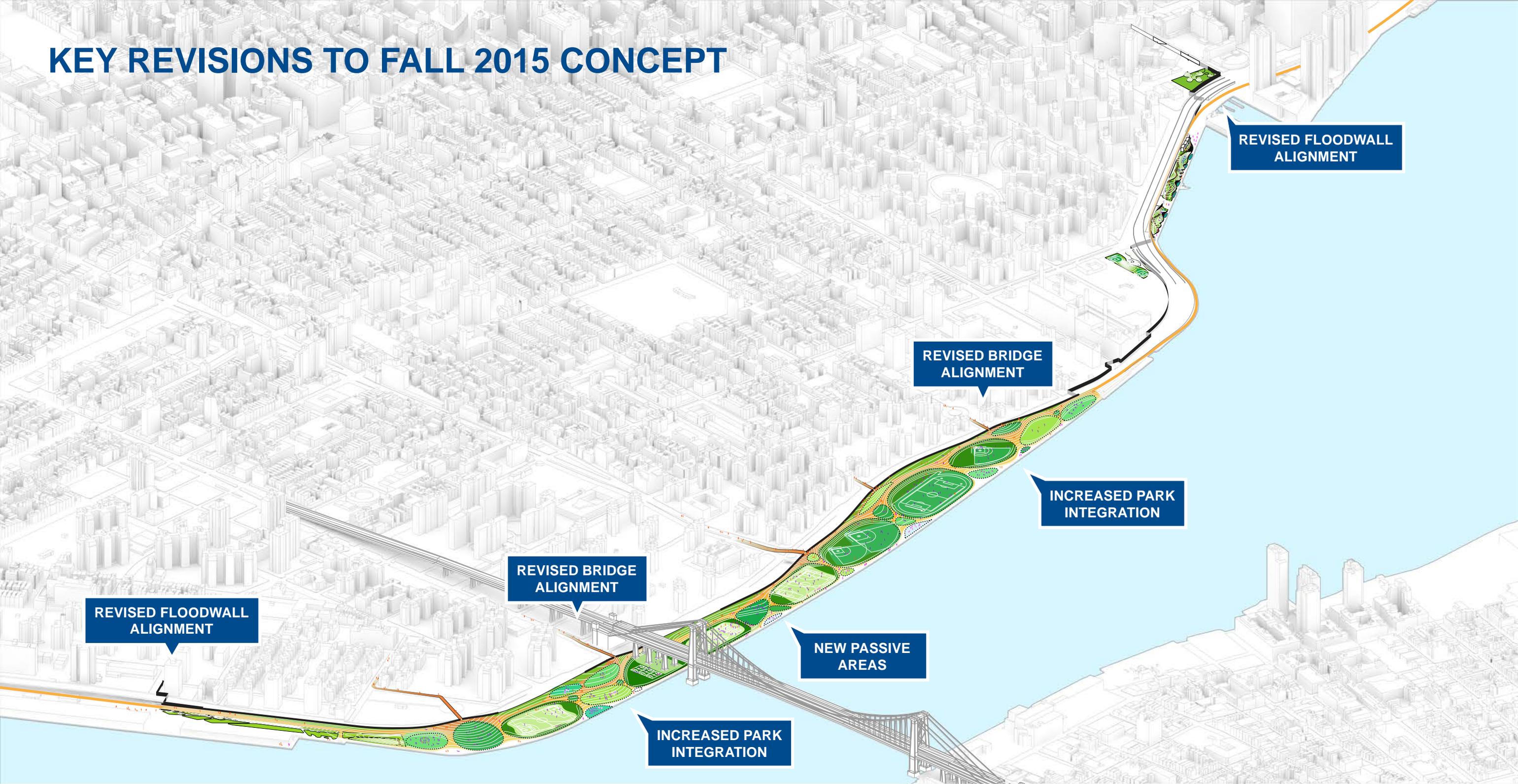
THE MANHATTAN GREENWAY IS STRATEGICALLY LOCATED INLAND ALONG THE WEST EDGE OF THE PARK, HOSTING BICYCLISTS AND MAINTENANCE VEHICLES



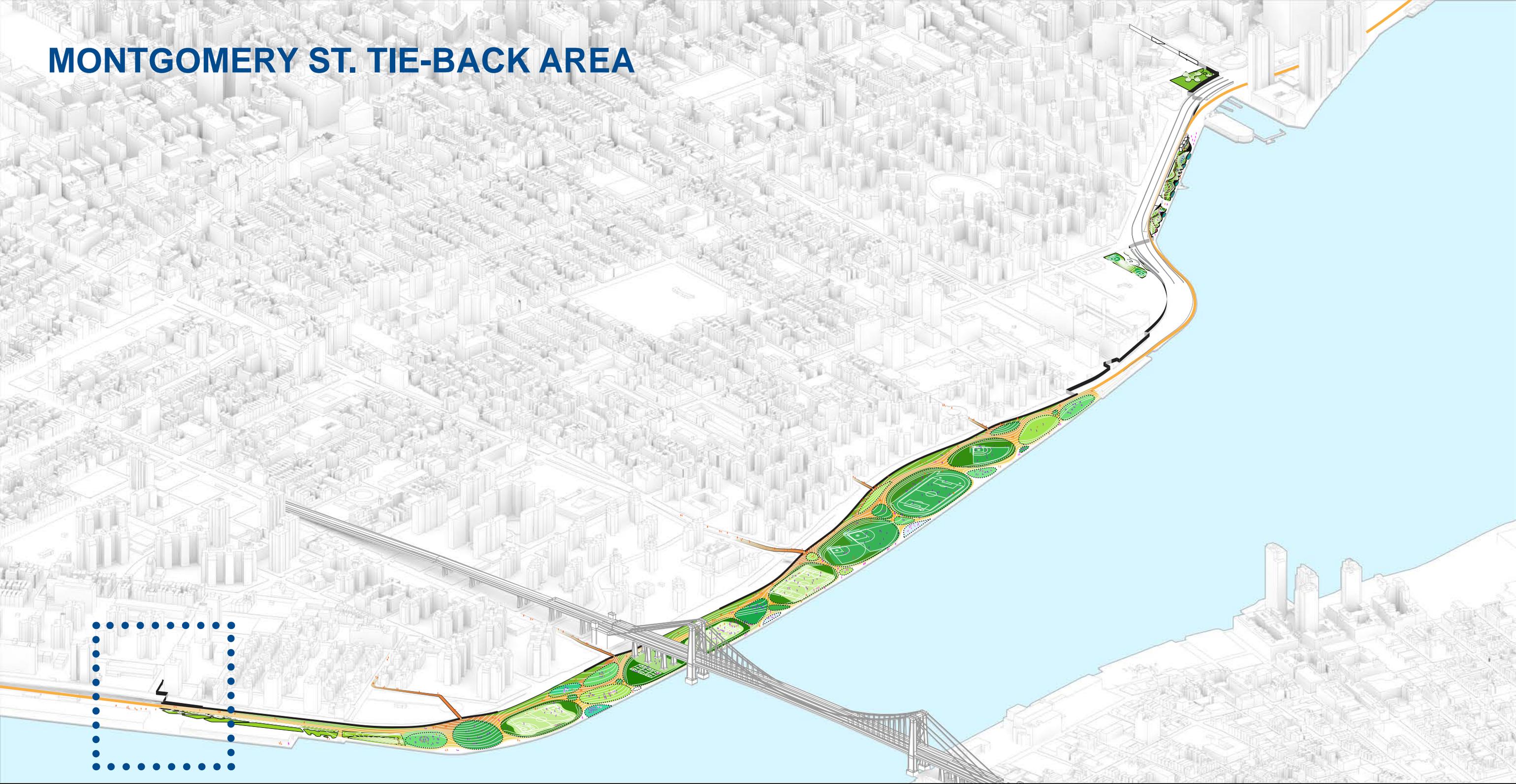
A CONNECTED, ACTIVATED WATERFRONT!



KEY REVISIONS TO FALL 2015 CONCEPT



MONTGOMERY ST. TIE-BACK AREA



EXISTING - MONTGOMERY ST. TIE-BACK AREA



PROPOSED MONTGOMERY ST. TIE-BACK AREA

DRAFT

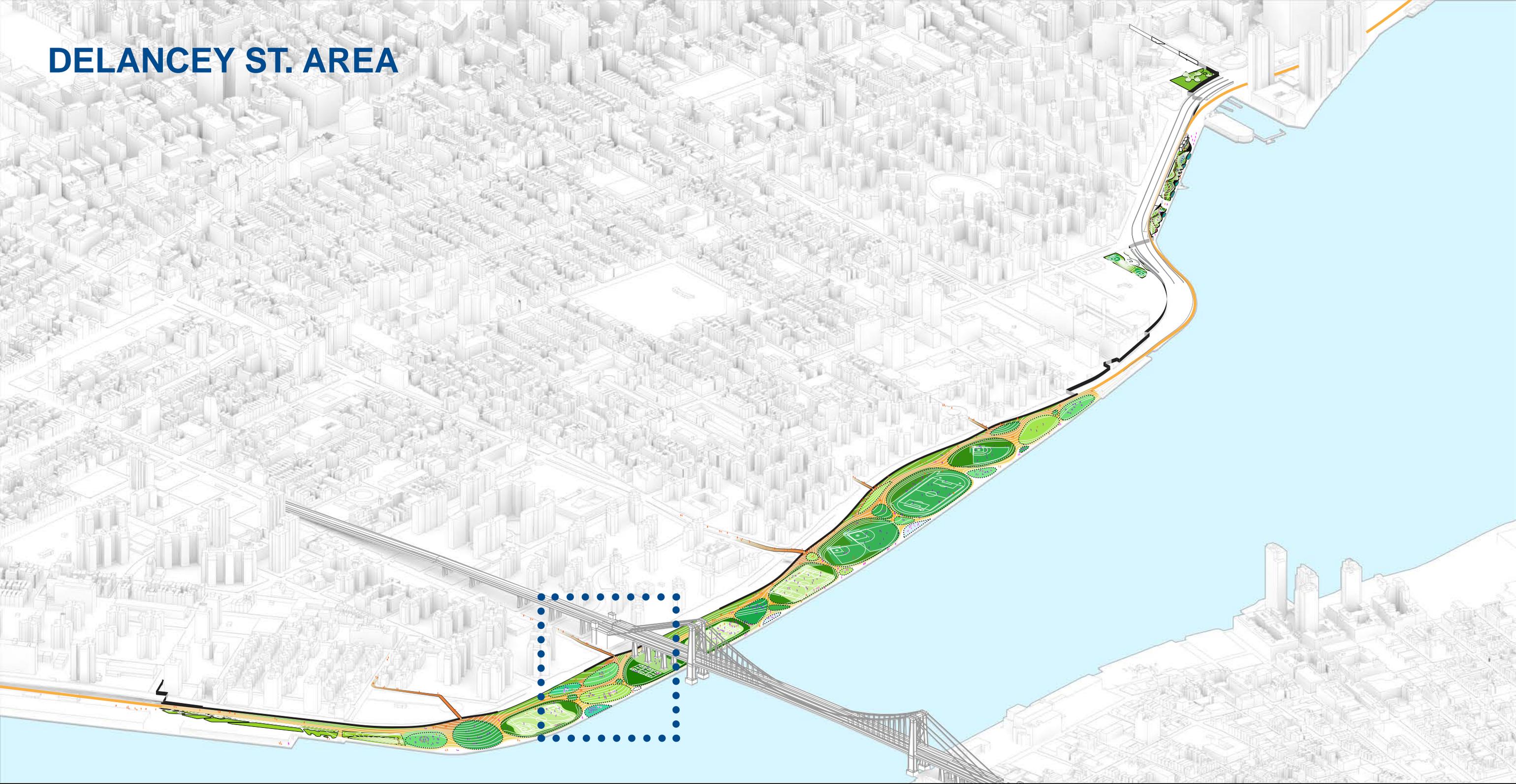


PROPOSED MONTGOMERY ST. TIE-BACK AREA

DRAFT



DELANCEY ST. AREA



EXISTING - PERSPECTIVE FROM DELANCEY BRIDGE ARRIVAL



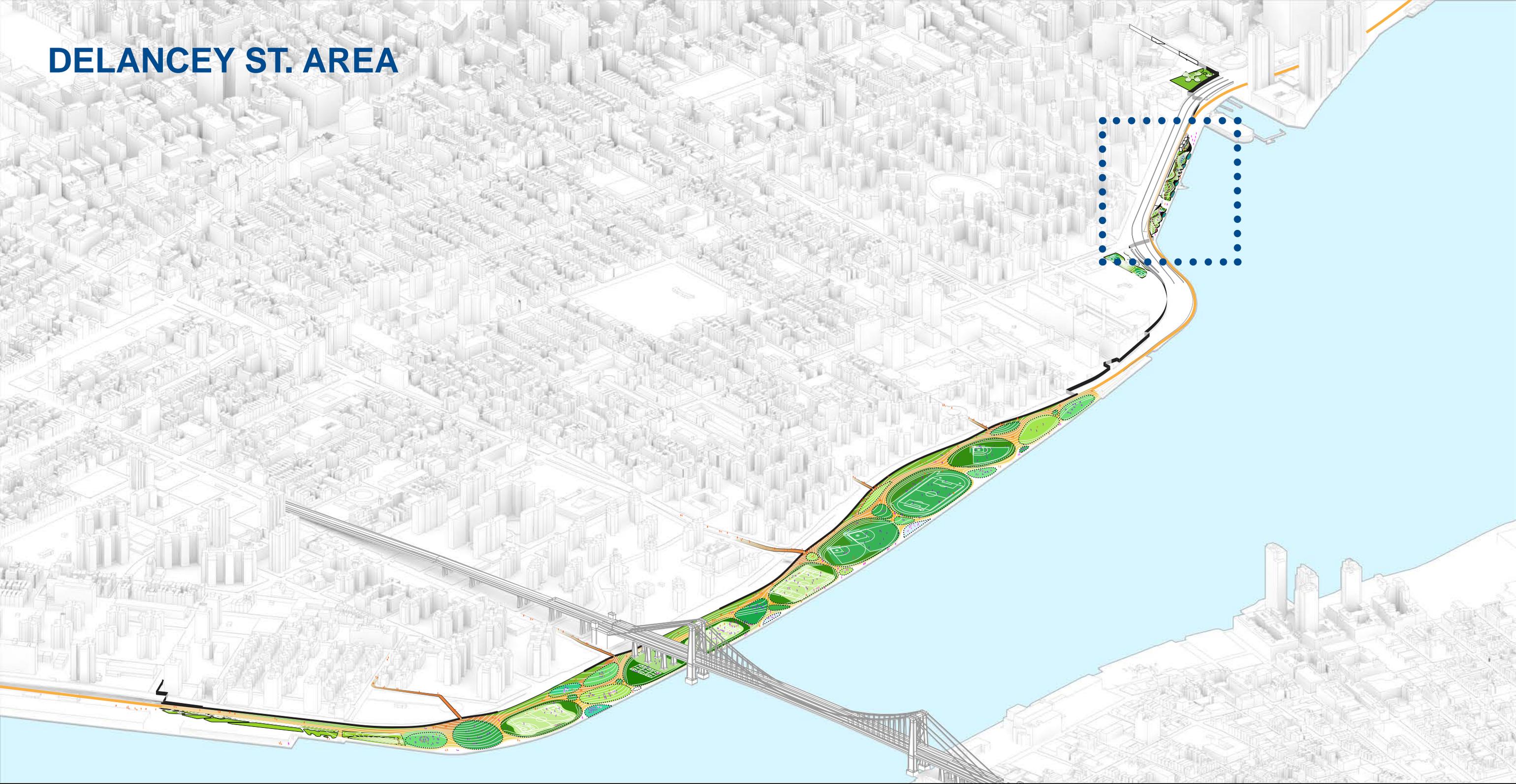
Park closes at midnight

PROPOSED PERSPECTIVE FROM DELANCEY BRIDGE ARRIVAL

DRAFT



DELANCEY ST. AREA



EXISTING - STUYVESANT COVE PARK



PROPOSED - STUYVESANT COVE PARK

DRAFT



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NEXT STEPS

Community Engagement and Revised Concept Roll-Out

TASK FORCE MEETINGS - MAY, SEPT, DEC 2016

PROJECT AREA ONE

MONTGOMERY STREET TIE-BACK - FOCUSED STAKEHOLDER MEETING(S); SEPT, TBD

DELANCEY STREET BRIDGE LANDING - FOCUSED STAKEHOLDER MEETING(S); AUG, TBD

10TH STREET BRIDGE LANDING - FOCUSED STAKEHOLDER MEETING(S); TBD

PDC CONCEPTUAL SUBMISSION OVERVIEW - CB3 PARKS COMMITTEE; OCT

PROJECT AREA ONE NORTH - COMMUNITY UPDATE SESSION; TBD

PROJECT AREA ONE SOUTH - COMMUNITY UPDATE SESSION; TBD

PROJECT AREA TWO

EAST 25TH STREET TIE-BACK - FOCUSED STAKEHOLDER MEETING(S); TBD

PDC CONCEPTUAL SUBMISSION OVERVIEW - CB6 PARKS, LANDMARKS, AND CULTURAL AFFAIRS COMMITTEE; OCT

MURPHY'S BROTHER'S AND ASSER LEVY PARKS - COMMUNITY INPUT SESSION; TBD

PROJECT AREA TWO - COMMUNITY UPDATE SESSION - TBD

NEXT STEPS

Preliminary Design



- Plan Refinement
- Detailed Planting Strategy
- Materiality, Paving, and Furnishing
- Design of Park Amenities
- Detailed Park Design
- Detailed Wall and Tie-Back Design
- Detailed Bridge Design
- Detailed M+O Strategy
- Construction Sequencing

Questions/Discussion