#ONENYC











EAST SIDE COASTAL RESILIENCY PROJECT

CB6 Parks, Landmarks & Cultural Affairs Committee Presentation October 4, 2016

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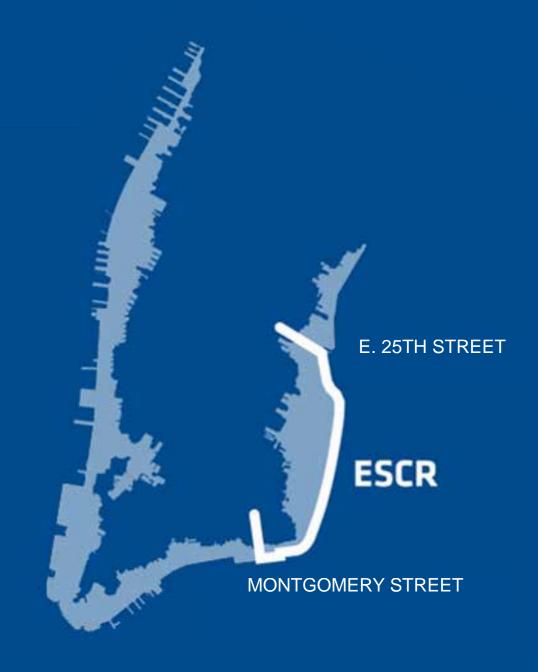
- 1. Project Overview
- 2. Design Inputs and Considerations
- 3. Updated Design Concept Preview
- 4. Next Steps

Questions/Discussion

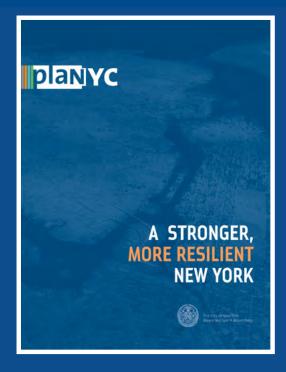
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EAST SIDE COASTAL RESILIENCYProject Goals

- 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



Project Schedule - 2012-2015



The City of New York.
Mayor Bill de Biasio
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Mayor Bill de Biasio

HURRICANE SANDY A STRONGER MORE RESILIENT NEW YORK

HUD FUNDING AWARD ONE NYC

One New York

The Plan for a Strong and Just City

REPORT PREPARATION

OCTOBER WINTER 2012 2012/2013

REBUILD BY DESIGN COMPETITION

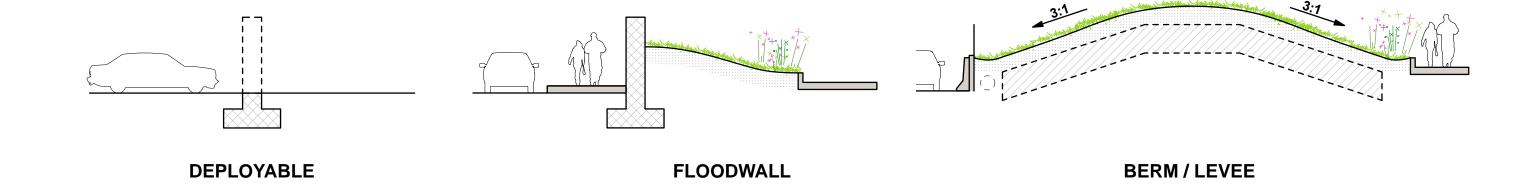
WINTER 2013/2014

ESCR PROJECT SCOPING

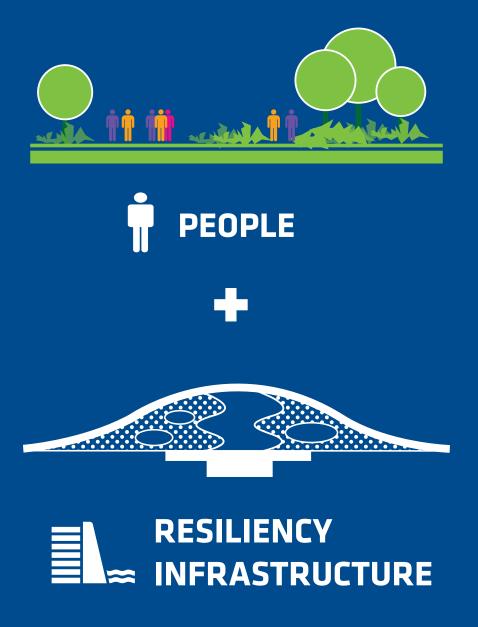
WINTER 2014/2015

ESCR PROJECT AREA

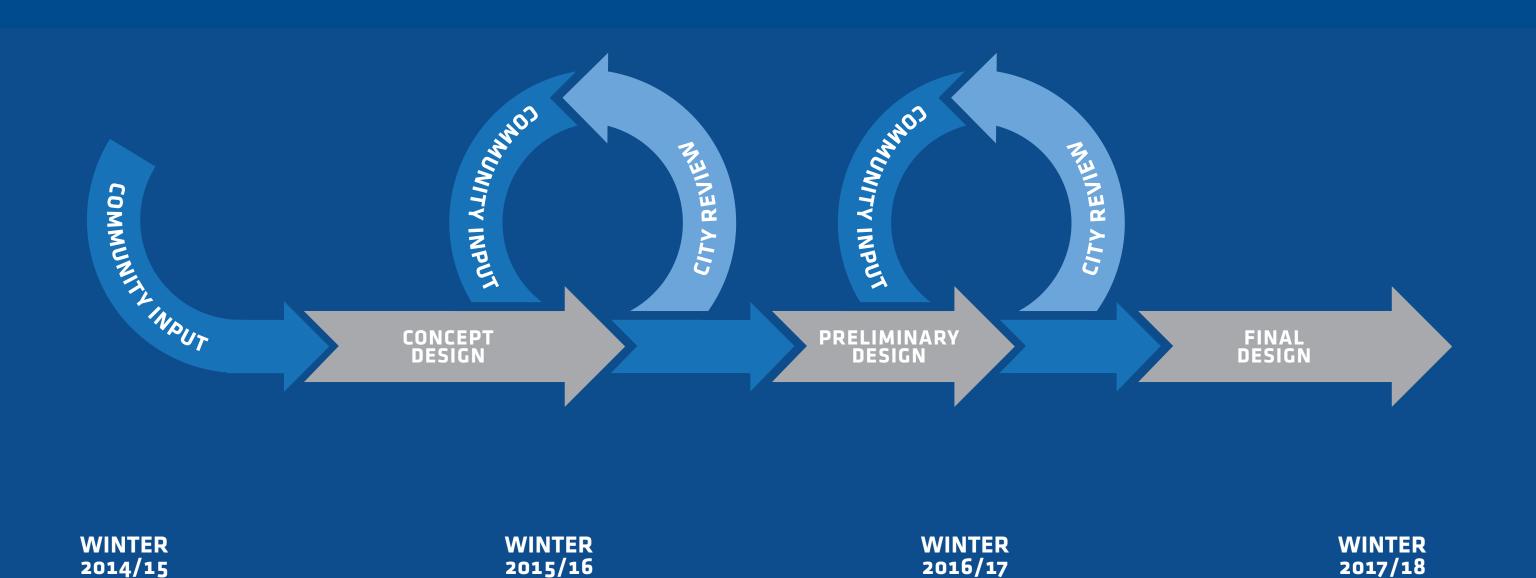
BASELINE FLOOD PROTECTION COMPONENTS



Social Infrastructure



Iterative Design Process

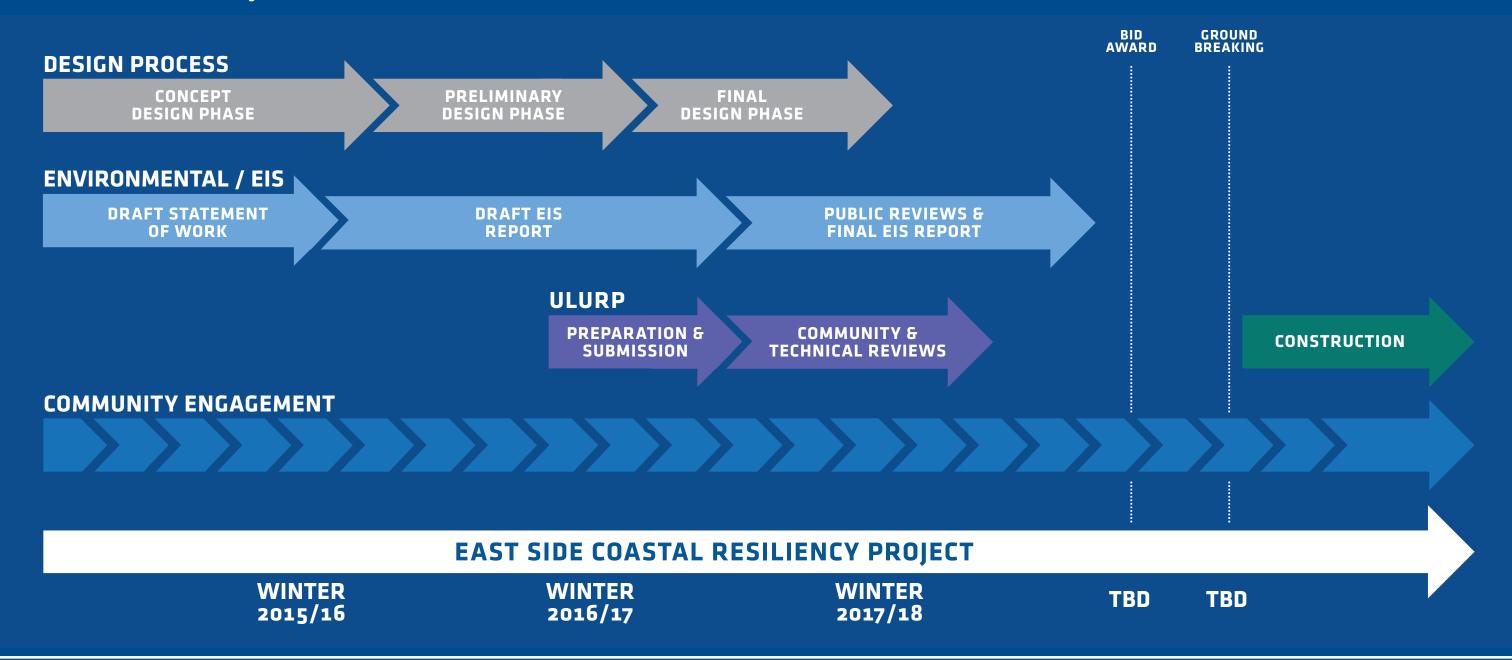


What have we been up to?

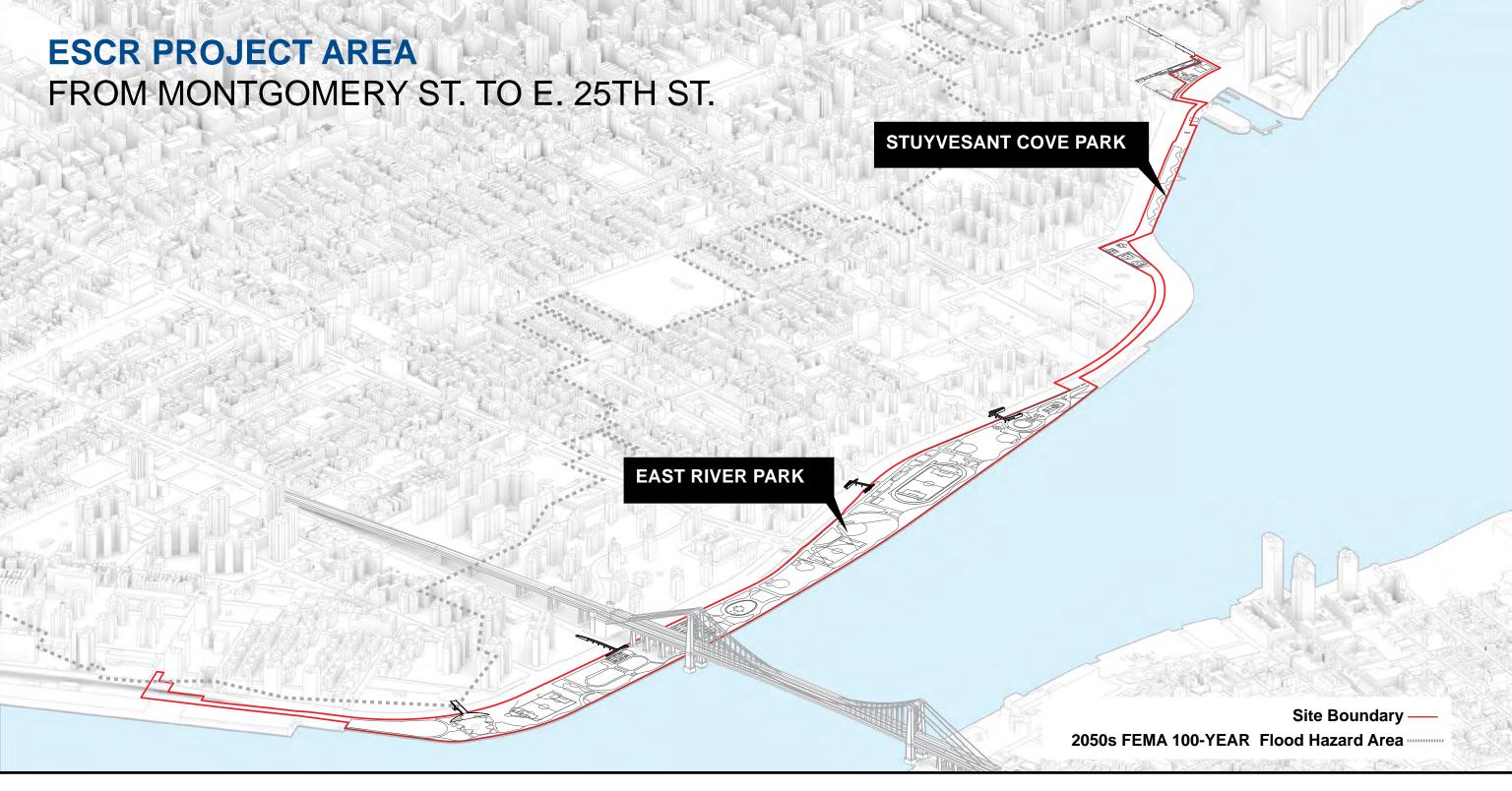
Since Fall/Winter 2015:

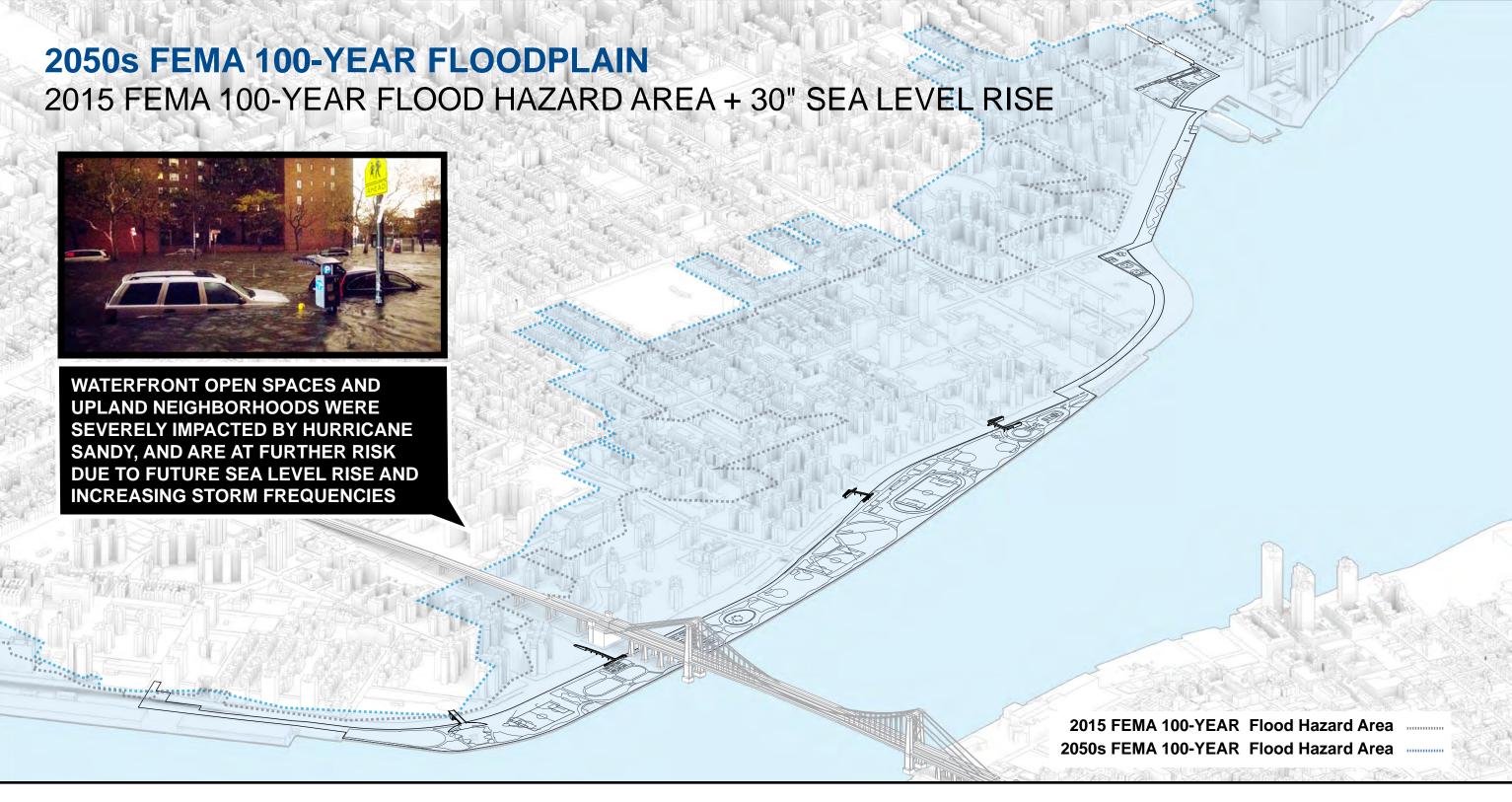
- Procuring final design team
- Addressing comments on Draft Scope of Work
- Evaluating Alternatives
- Developing draft Environmental Impact Statement (EIS) and permit applications
- Refining concept design based on:
 - -Community input
 - -Agency requirements
 - -Regulatory concerns
 - -Technical constraints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

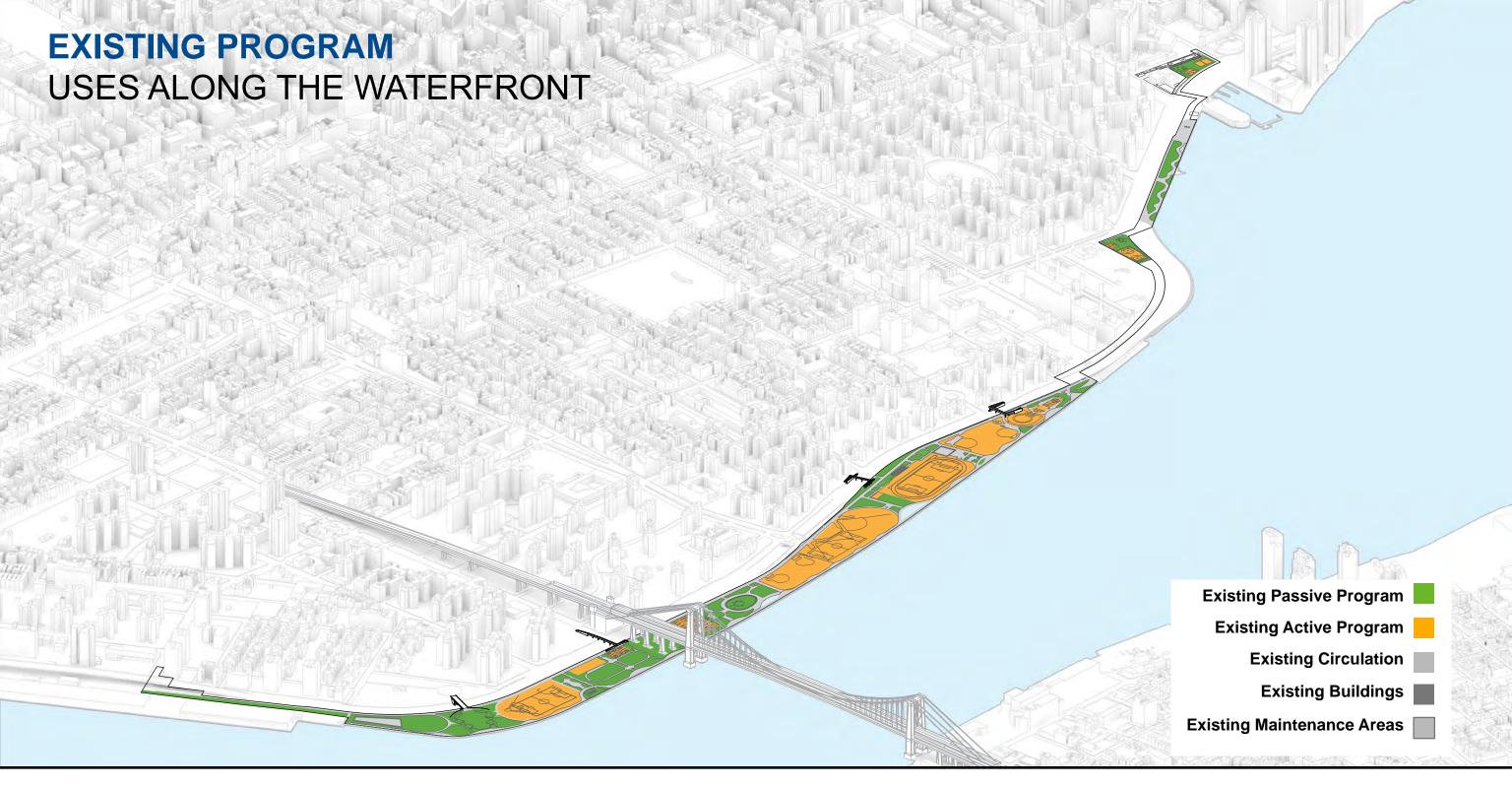
Current Project Schedule

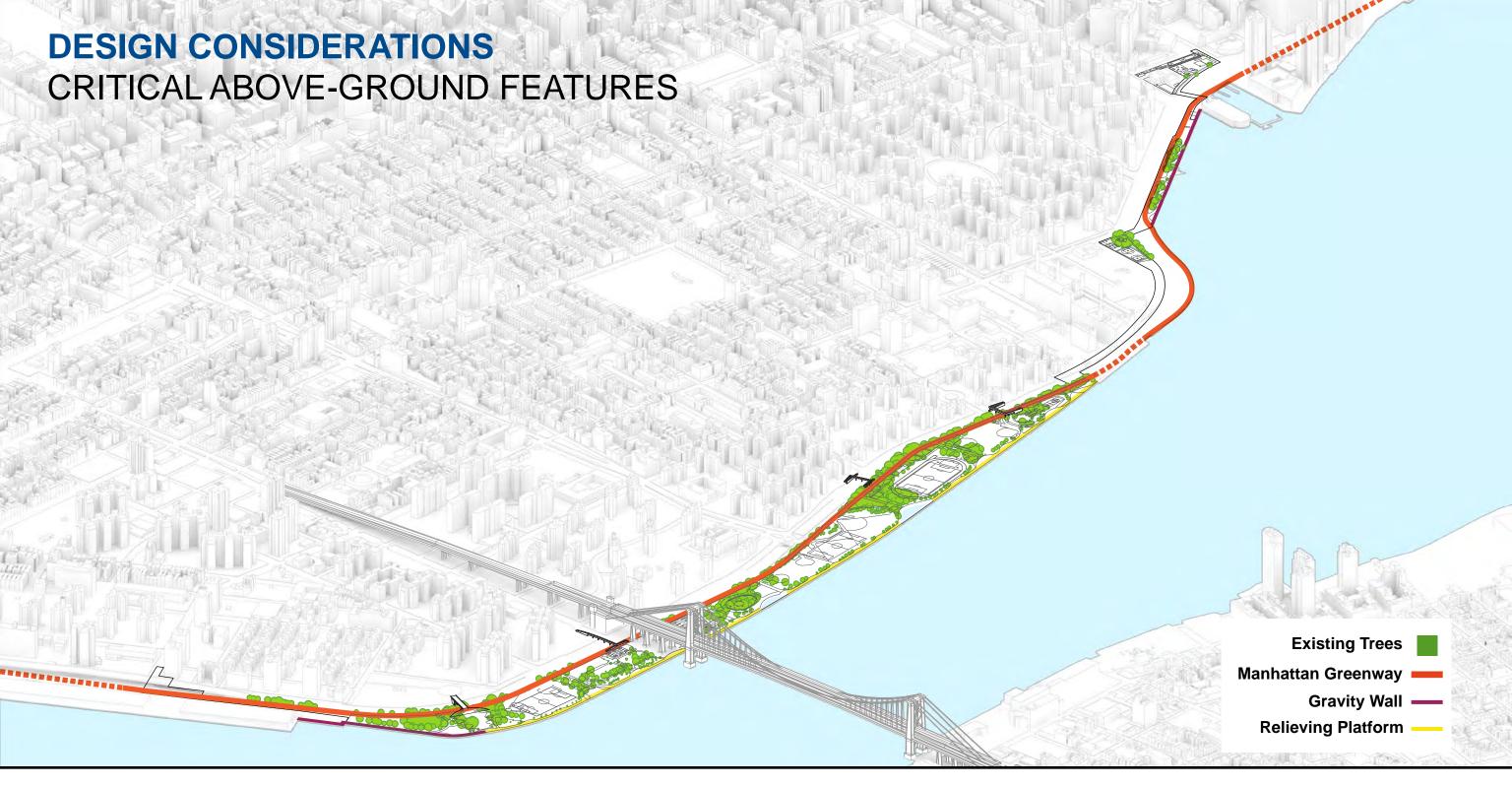


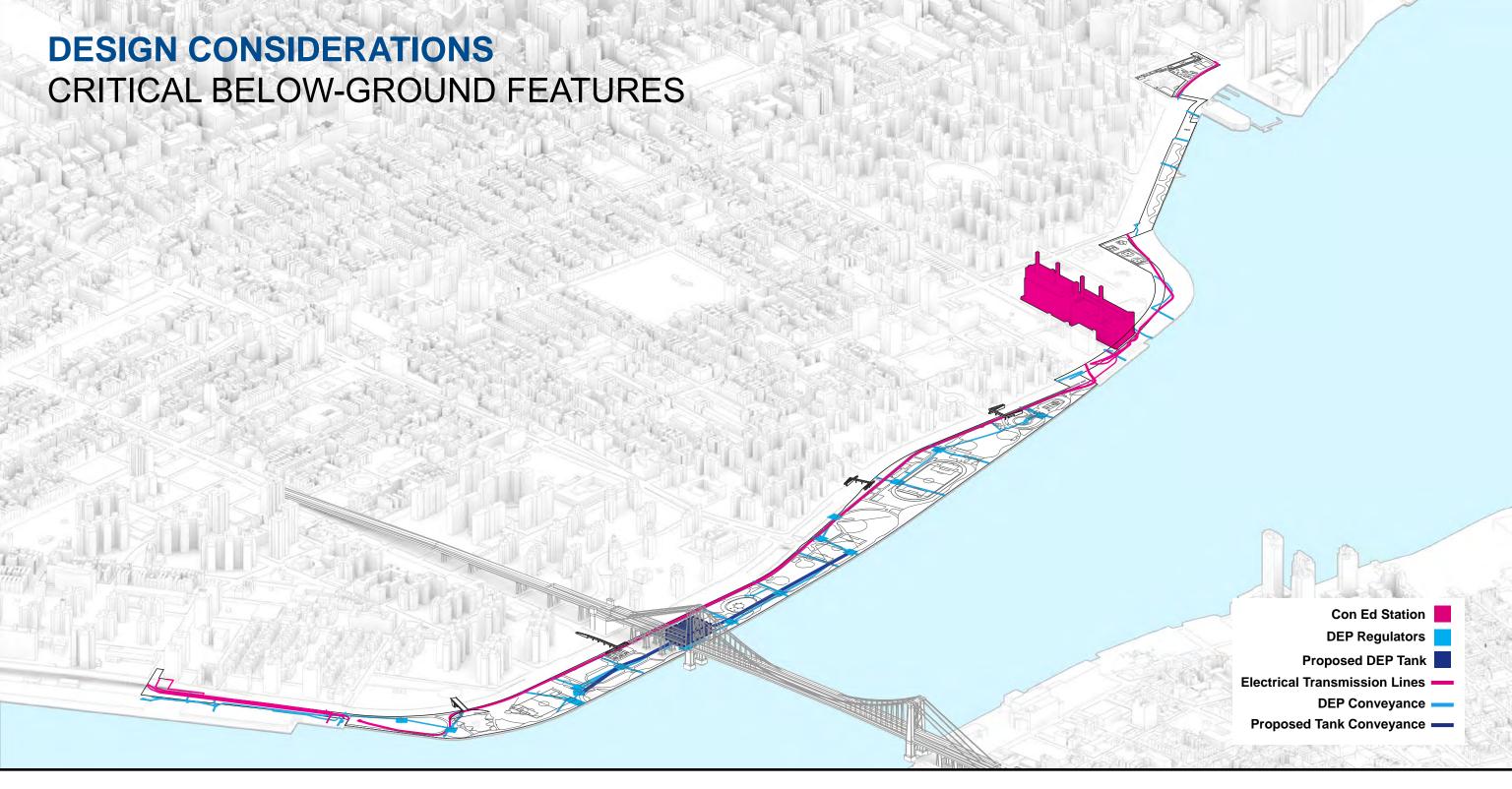
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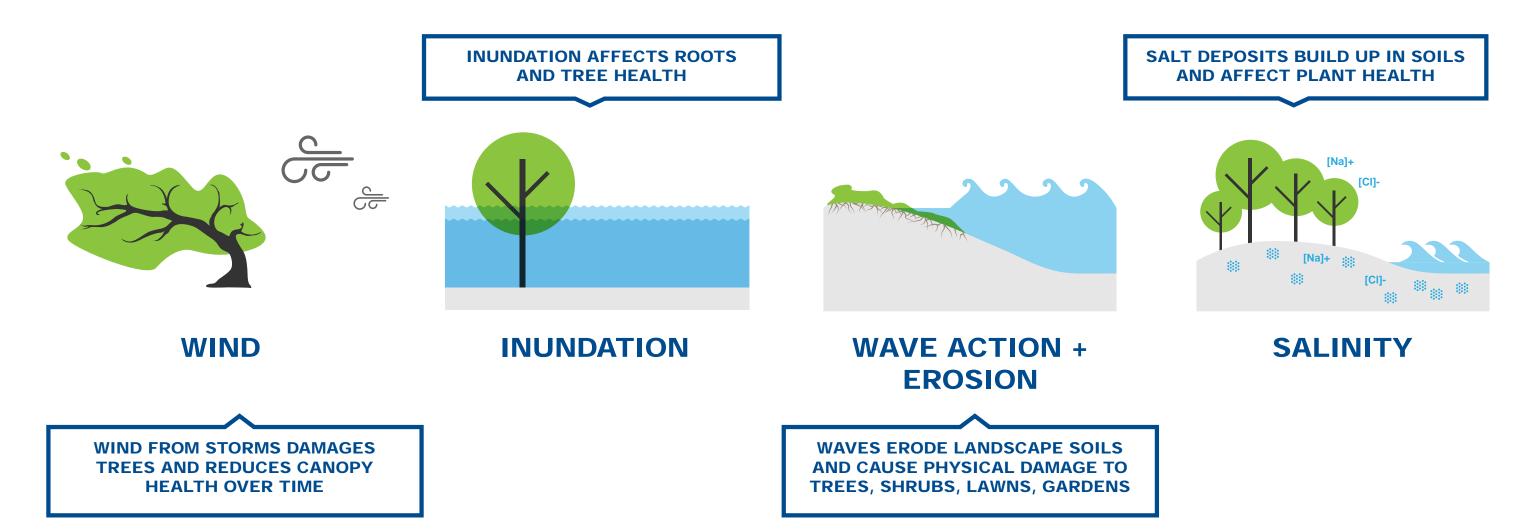


ADDITIONAL DESIGN PARAMETERS

EXPAND AVAILABLE PROGRAMMING BY CREATING **INCORPORATE A NEW STORAGE TANK** MORE FLEXIBLE, CASUAL, IN EAST RIVER PARK TO MANAGE **MULTI-USE AREAS OF PARK COMBINED SEWER OVERFLOW** Y 大多多为后上十八二十六十 4000 PARK RESILIENCY **INTEGRATE CON-ED DIVERSIFY PROGRAM STORAGE TANK INCORPORATE MORE HOLISTIC INCORPORATE CRITICAL CON-RESILIENCE OF WATERFRONT ED TRANSMISSION LINES,** PARKS AND OPEN SPACES WHICH CARRY 16% OF NYC'S **ELECTRICITY**

DESIGN CONSIDERATIONS

STORM CONSIDERATIONS FOR WATERFRONT PARKLAND



2015 Community Engagement Recap

ROUND 1

ROUND 2

ROUND 3

ROUND 4

x2 Meetings

x3 Meetings

x4 Meetings

x2 Meetings



MARCH 19TH + 23RD



MAY 18TH, 28TH, 30TH



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



OCTOBER 6TH + 8TH

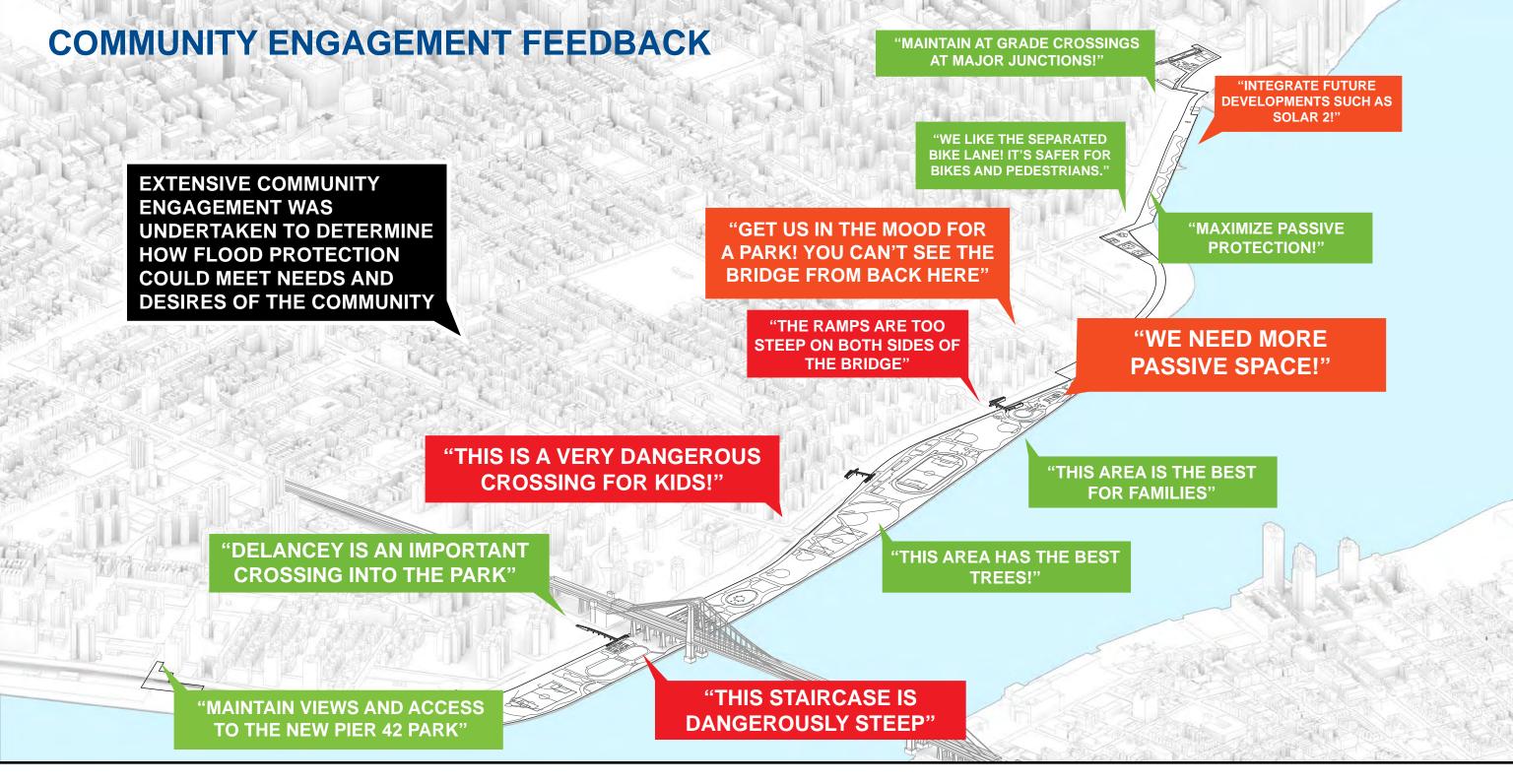
How do you use the waterfront?

Access and Flood Protection: What are the options?

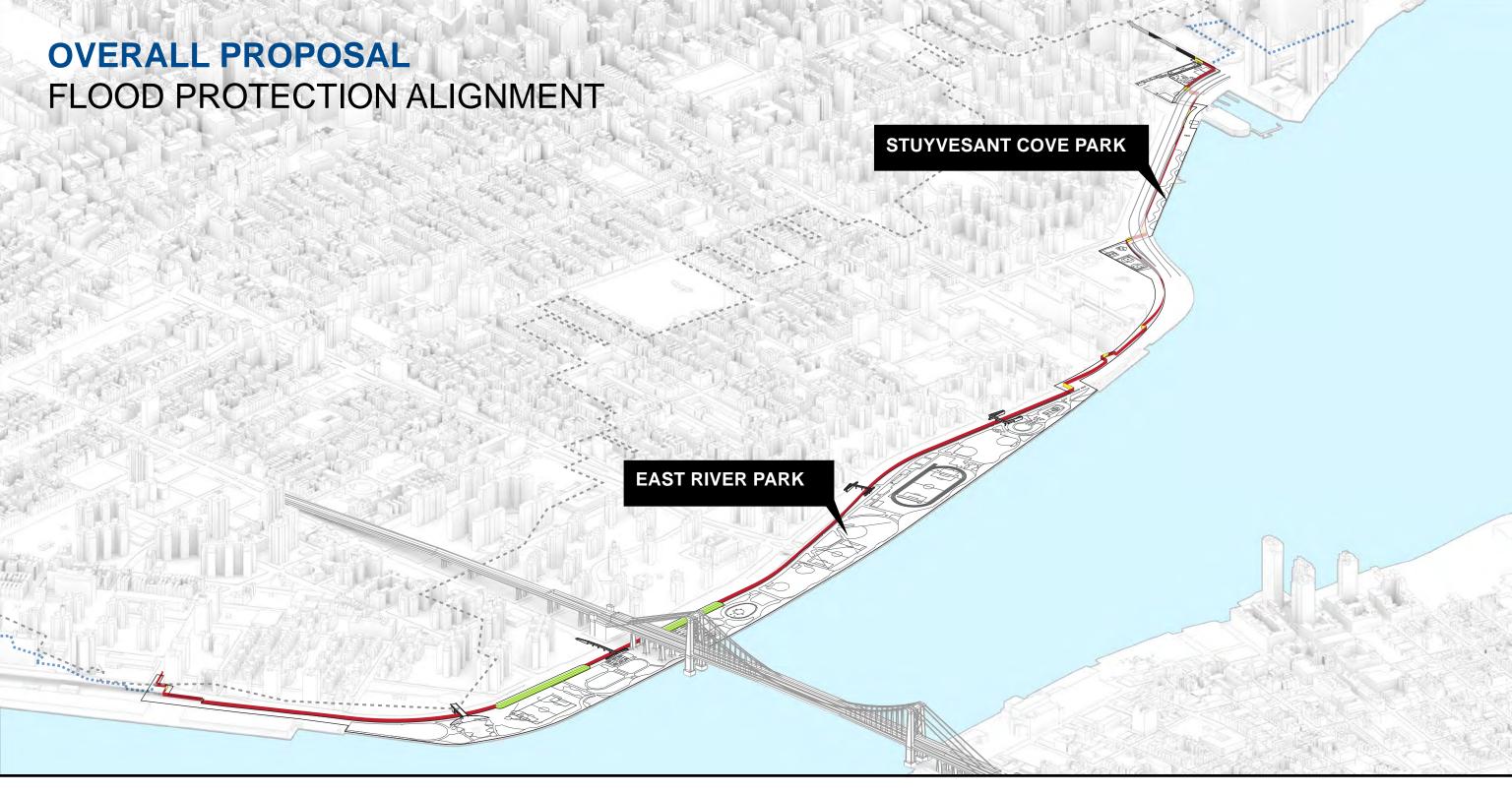
How do we combine options?

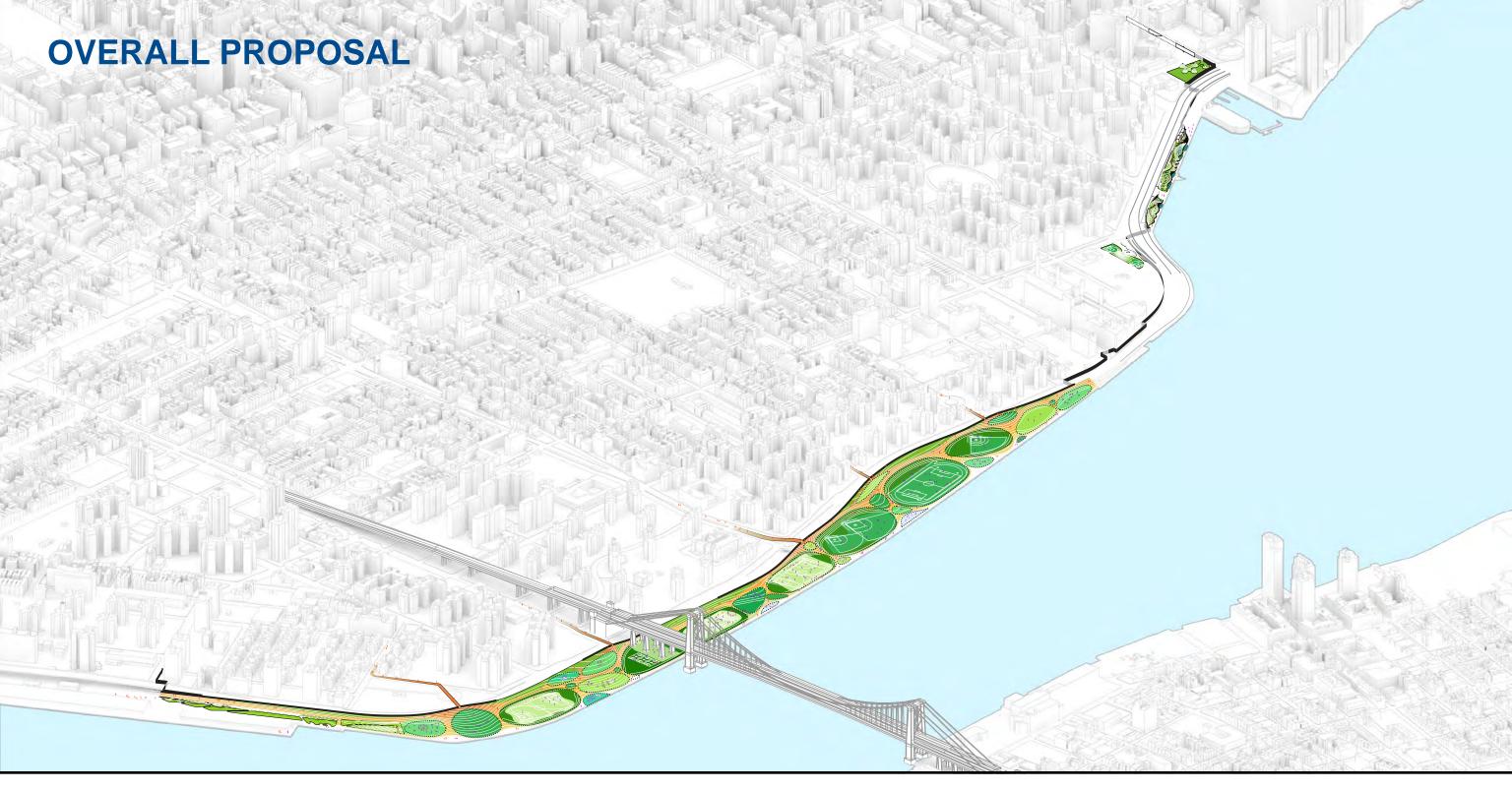
Initial Design Direction: Feedback and Discussion

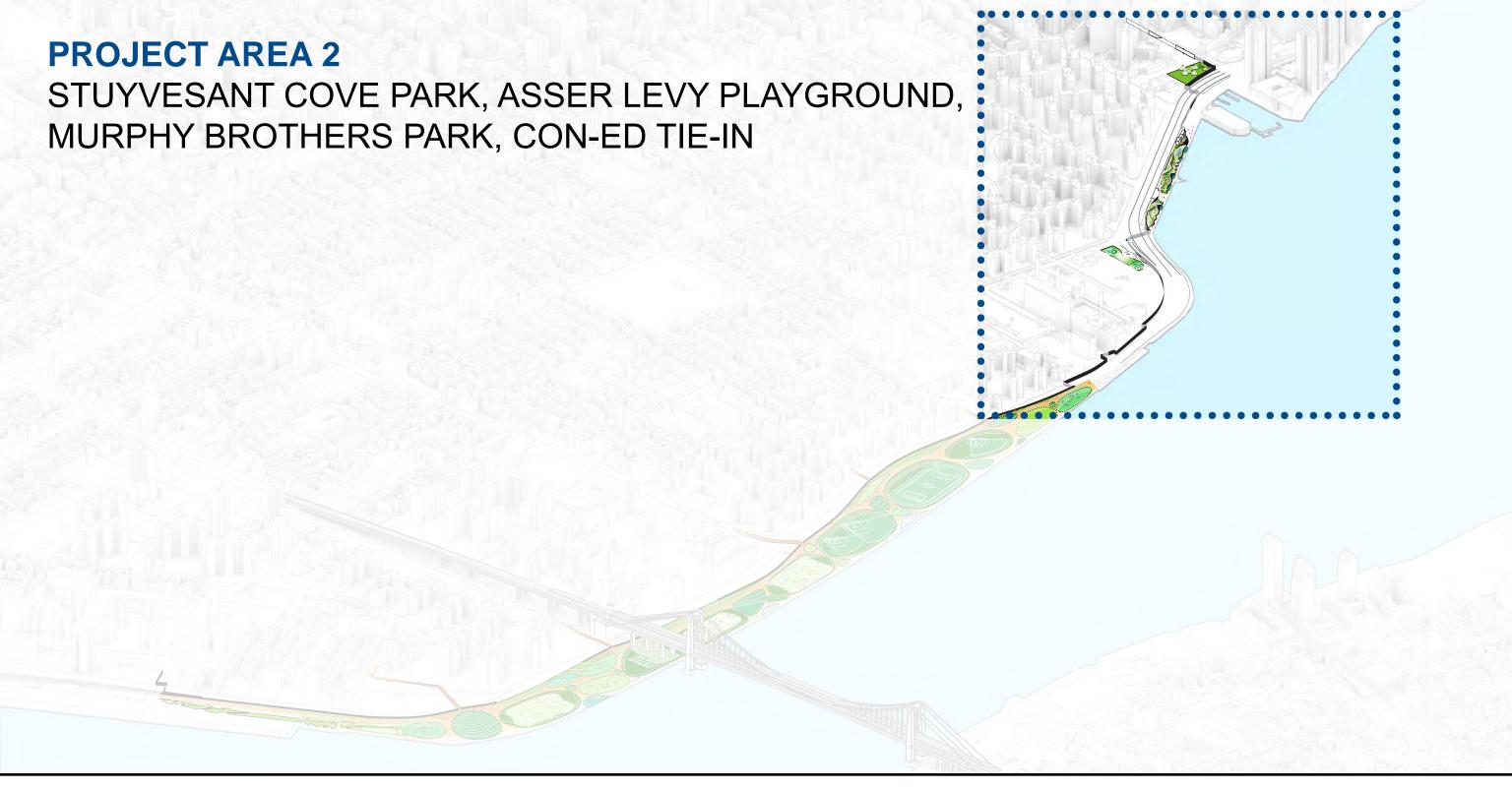


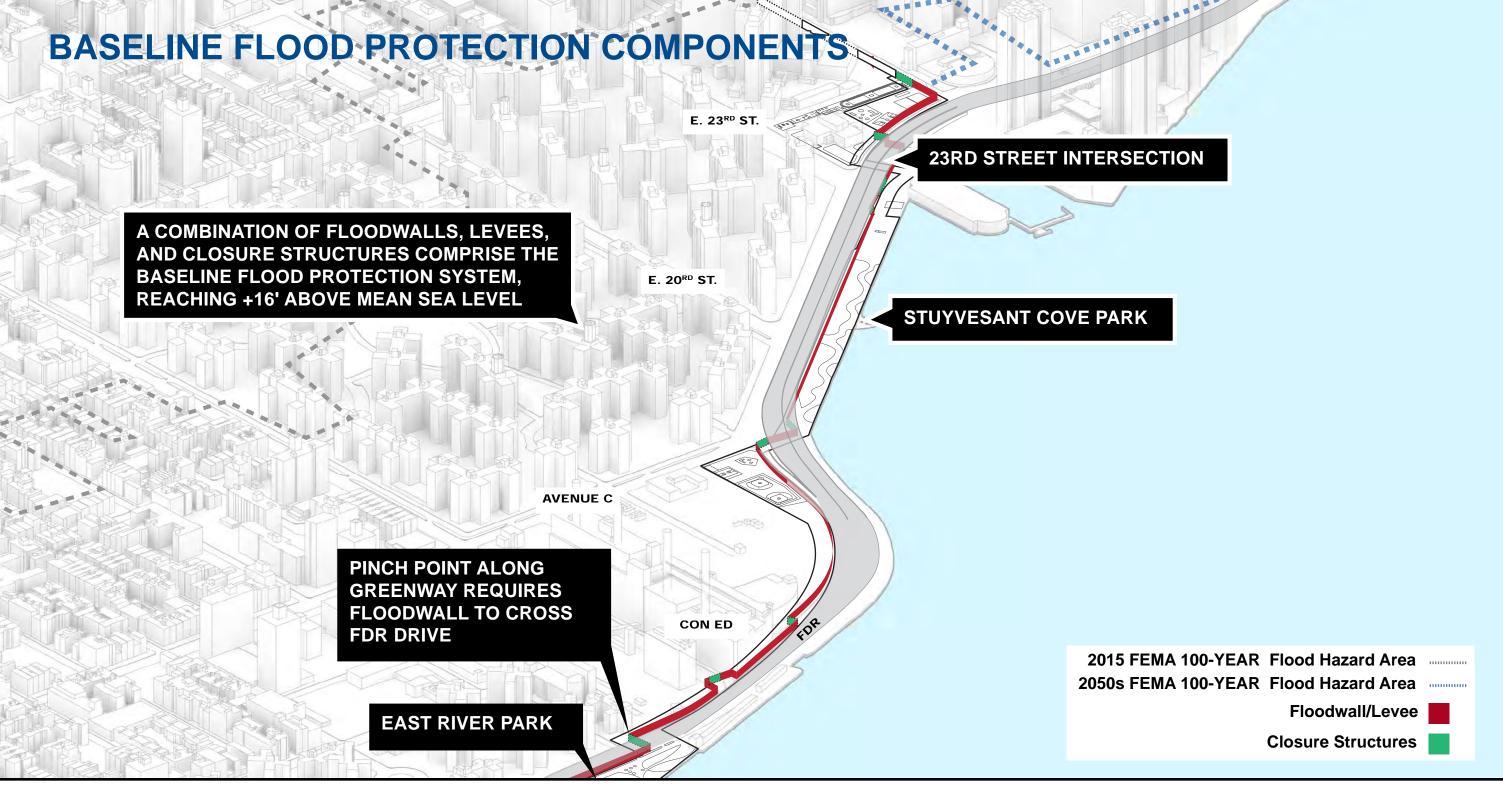


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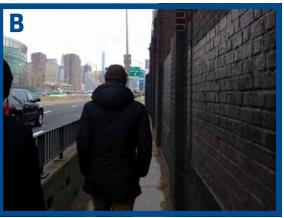


BASELINE FLOOD PROTECTION COMPONENTS

CON ED NARROWS ALONG FDR



FDR





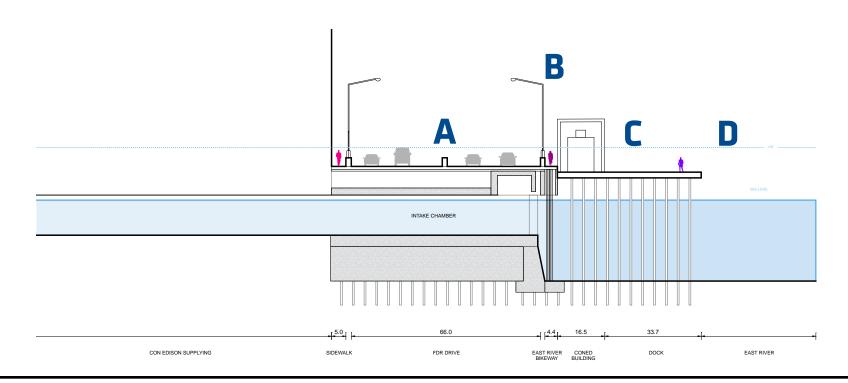


30" NARROWS ALONG

CON-ED HEAD HOUSE

CON-ED RECEIVING PIER

VIEWS ACROSS EAST RIVER



MAY 2015 COMMUNITY ENGAGEMENT FINDINGS - STUYVESANT COVE PARK

Multiple alignments were studied and discussed, with overwhelming preference expressed for the elevated Stuyvesant Cove Park alignment - which provided the most desirable balance of reliability, cost, complexity, and urban design attributes.



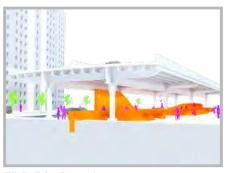
Ave. C Wiggle Wall



Ave. C Flip-Down Canopy



Protective Pavilions



FDR Big Bench



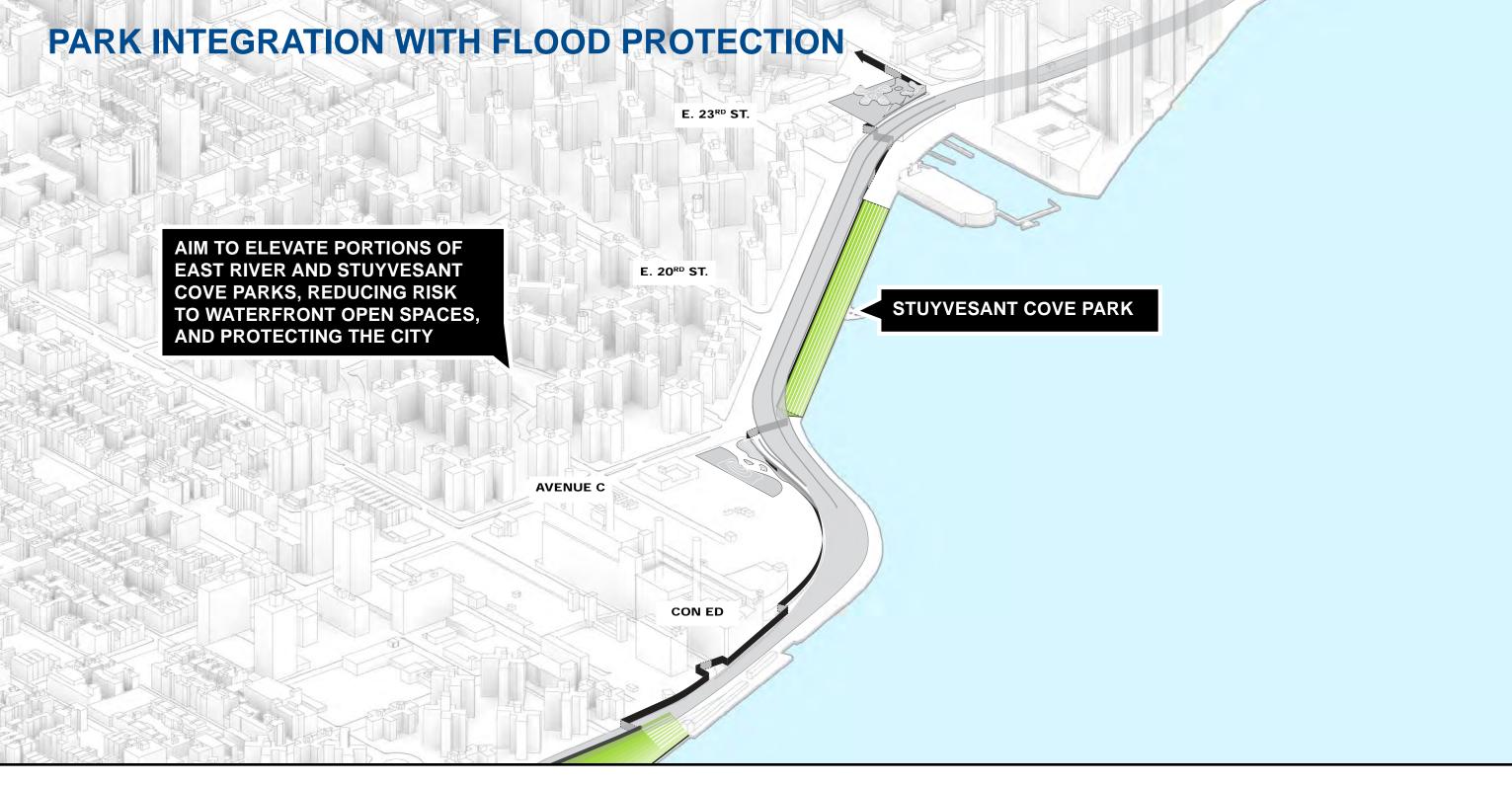
FDR Edge Flip-Down with Bench

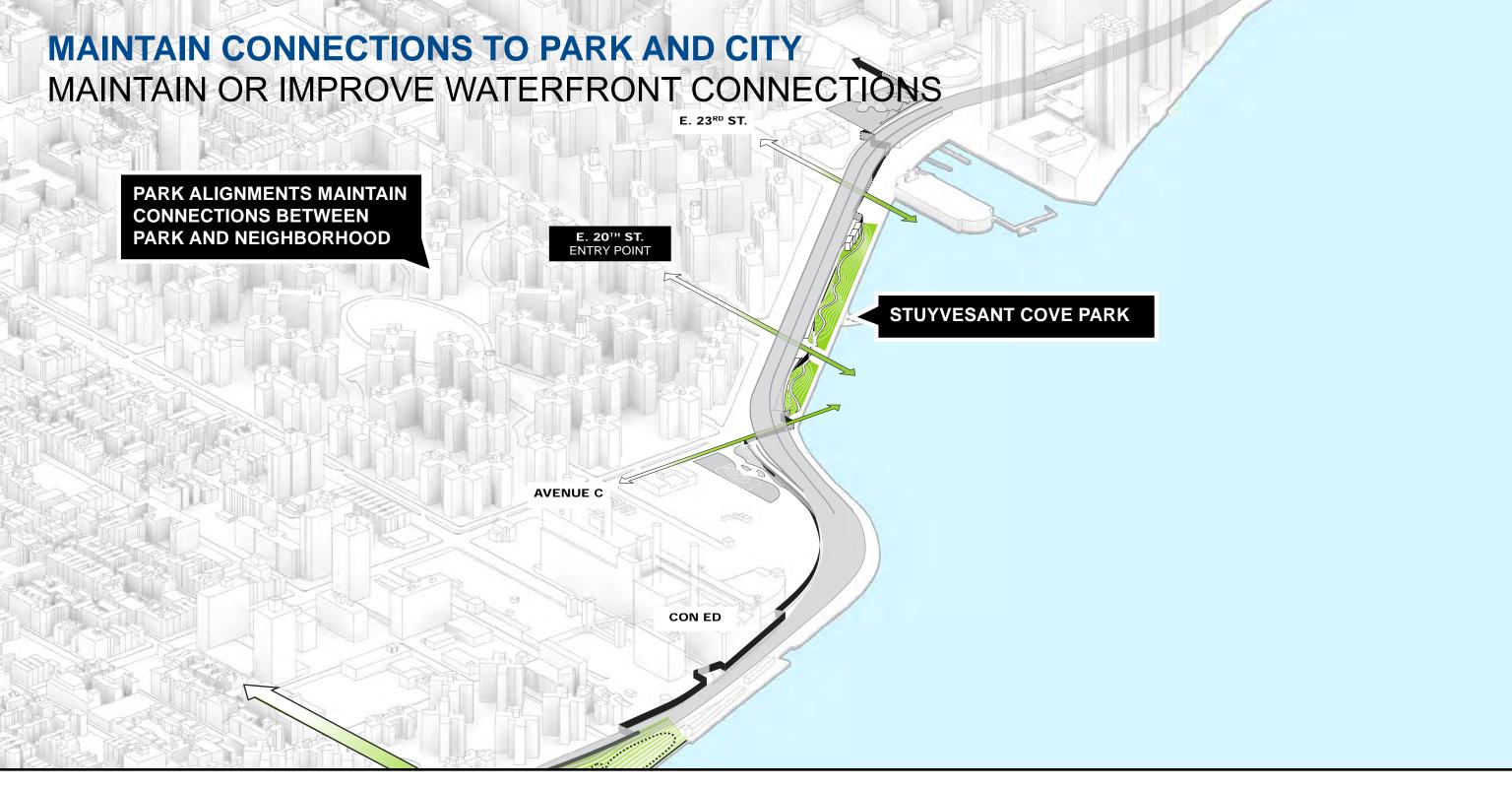


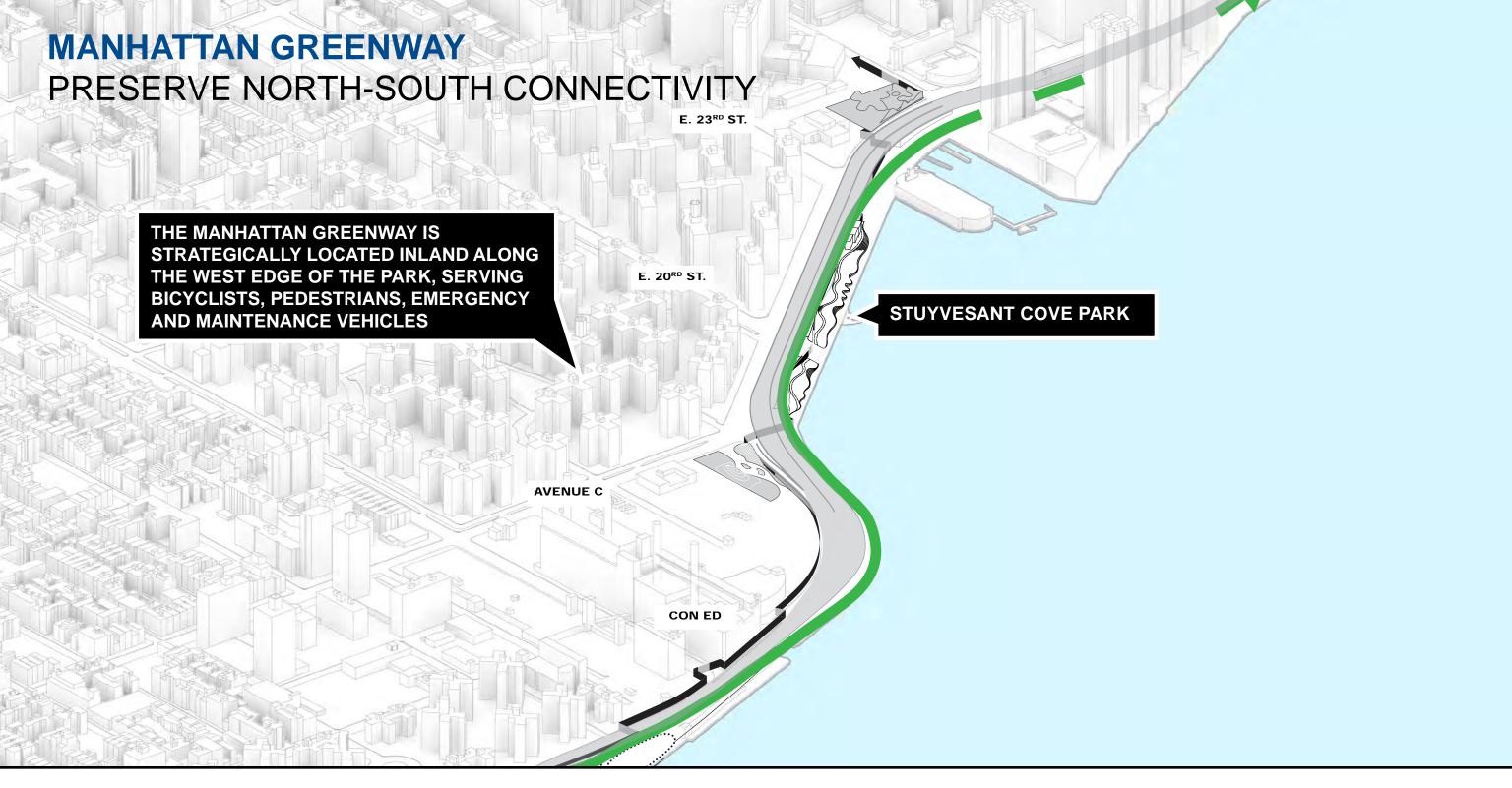
Flip-Down Park Canopy

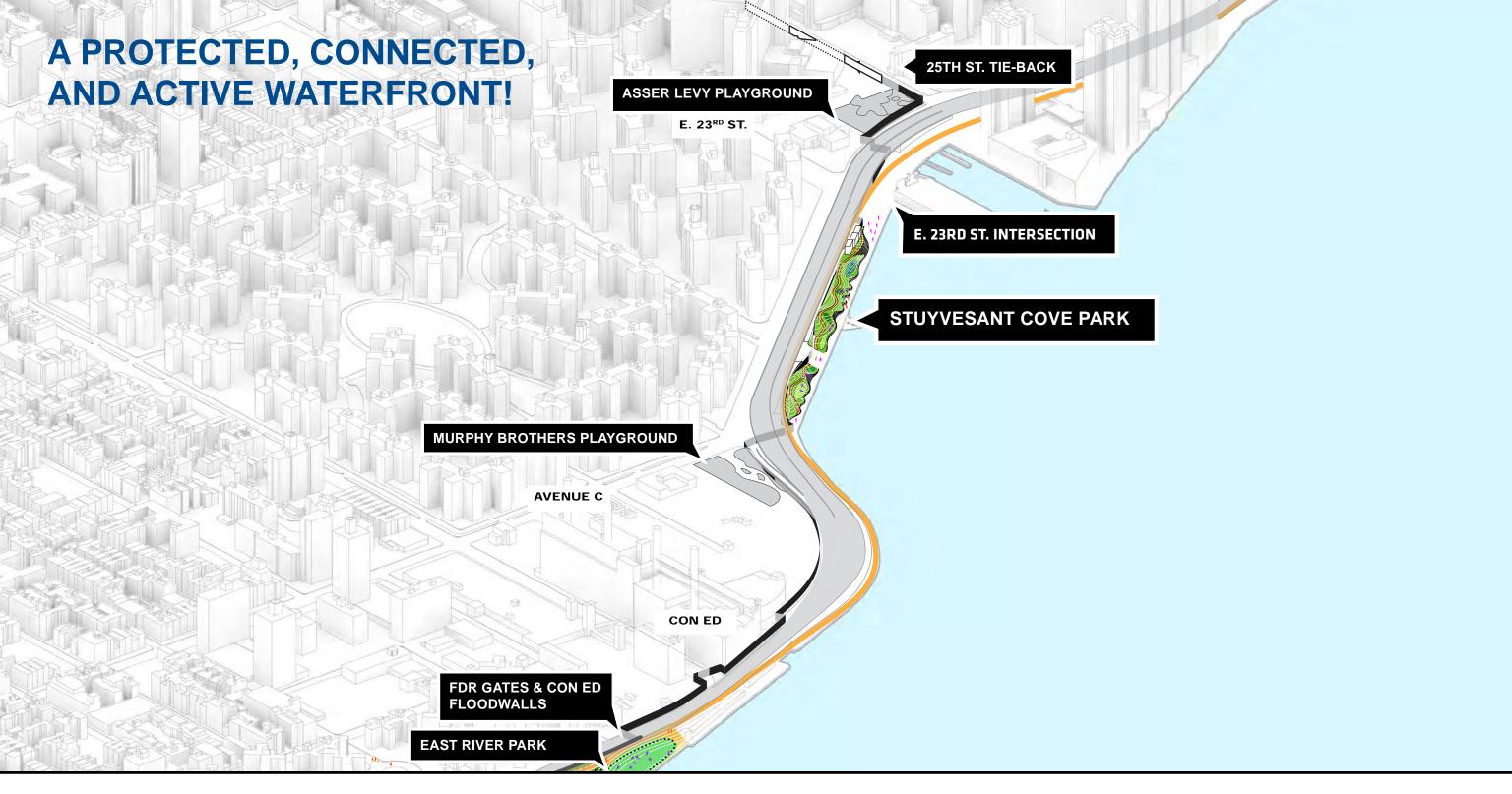


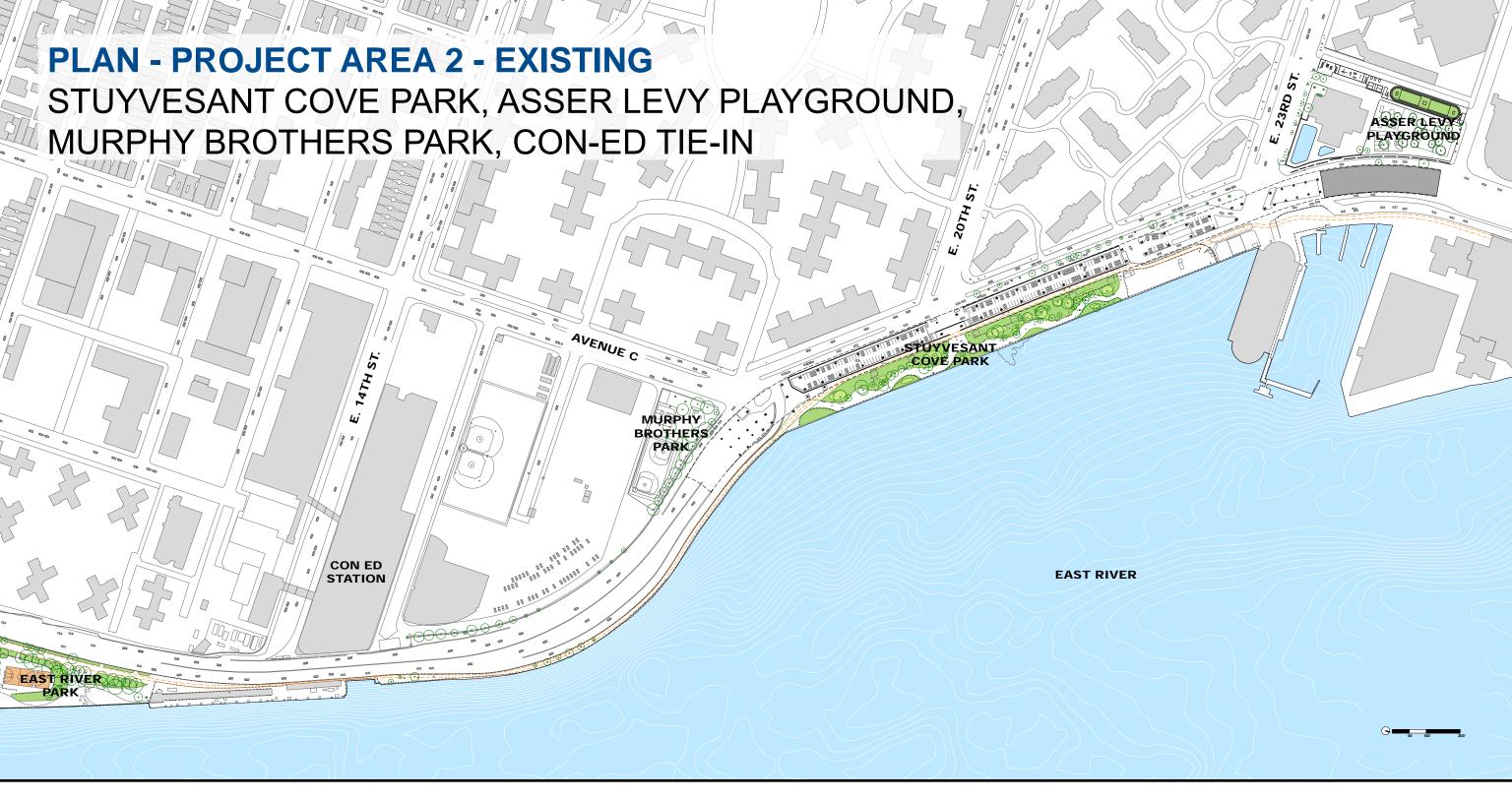
ELEVATED STUYVESANT COVE PARK

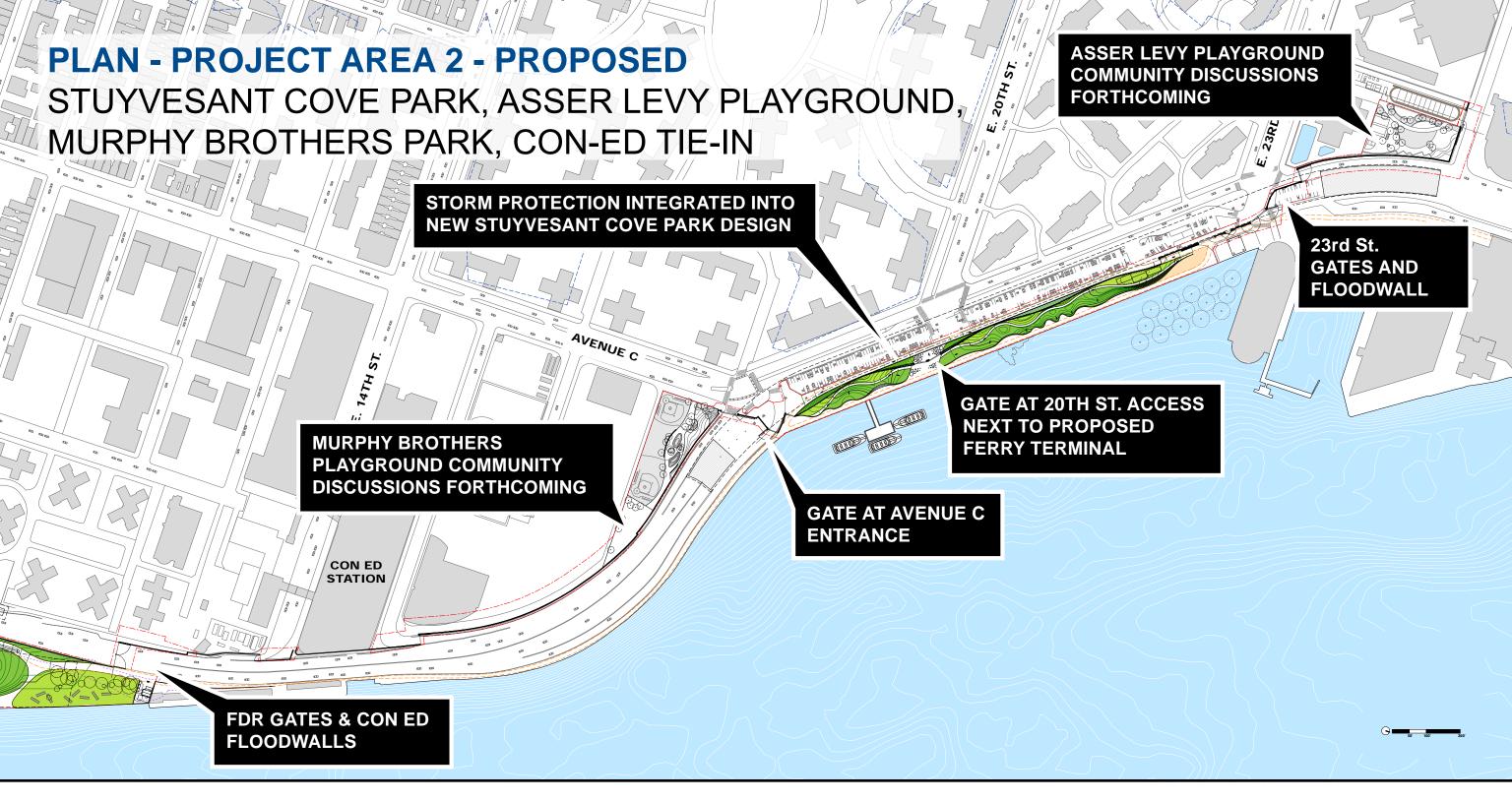






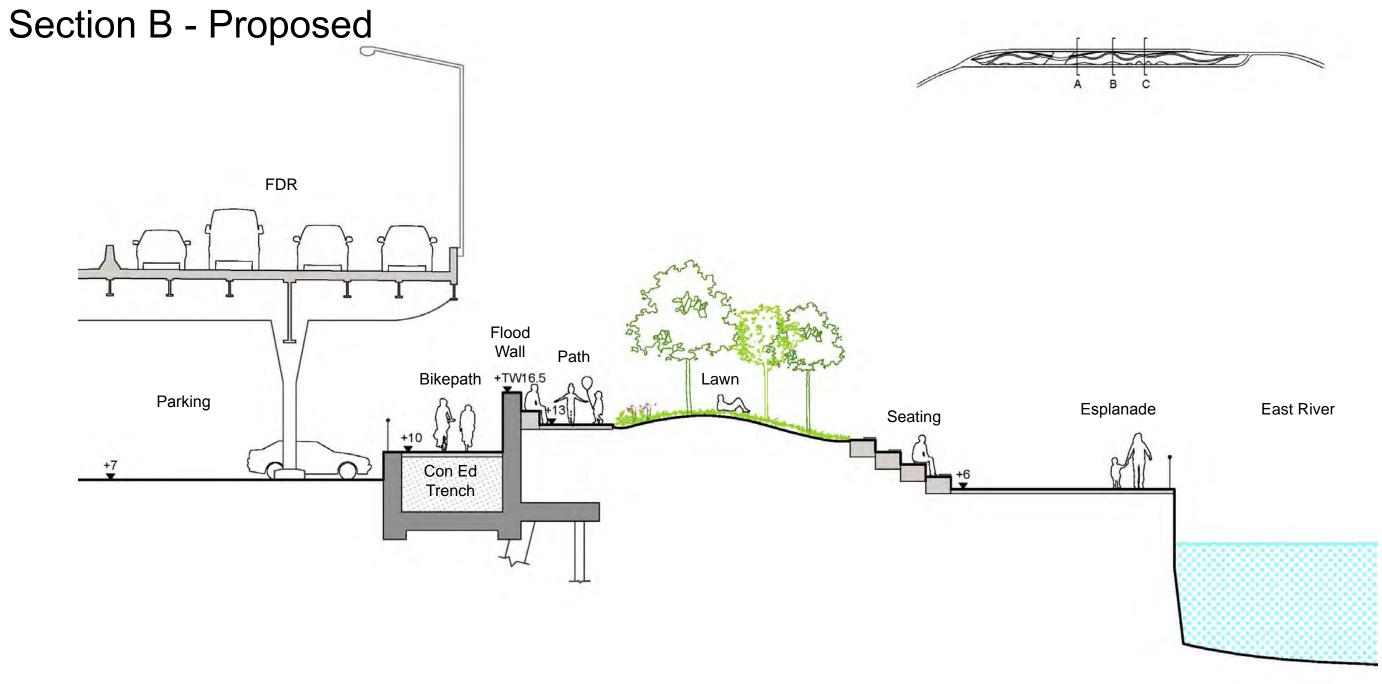


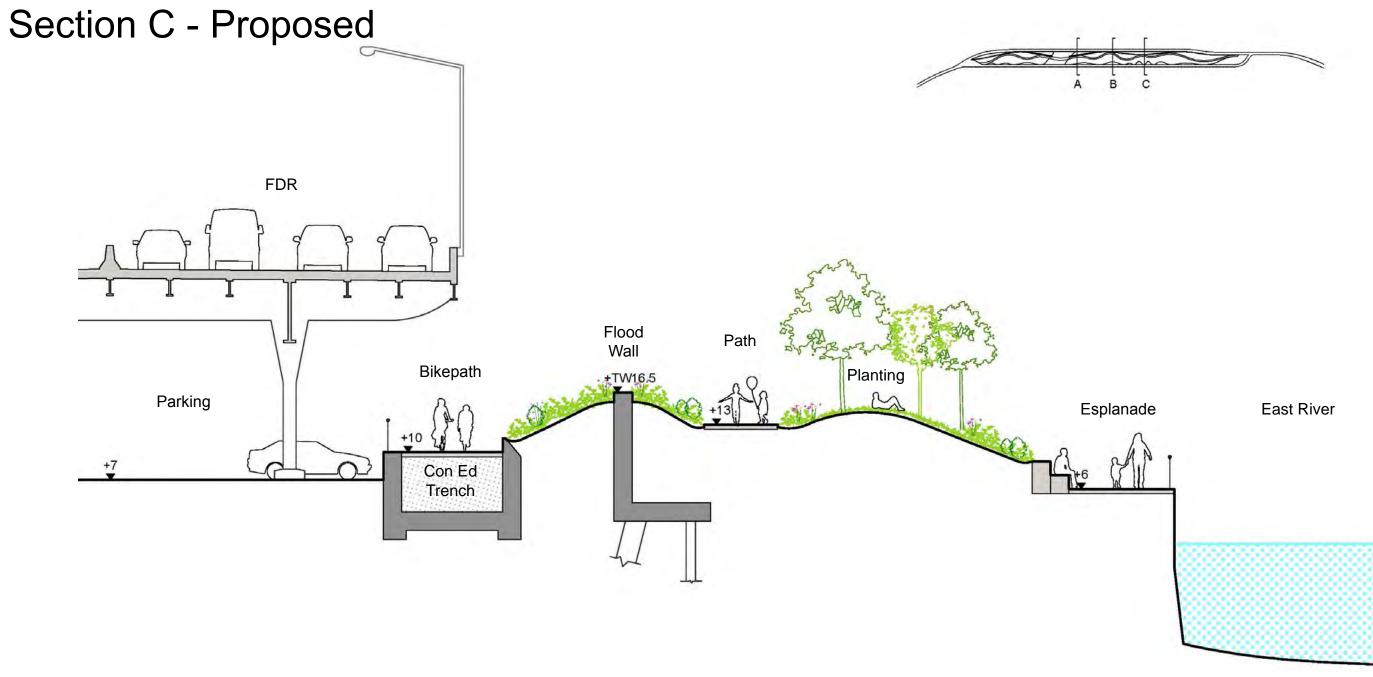


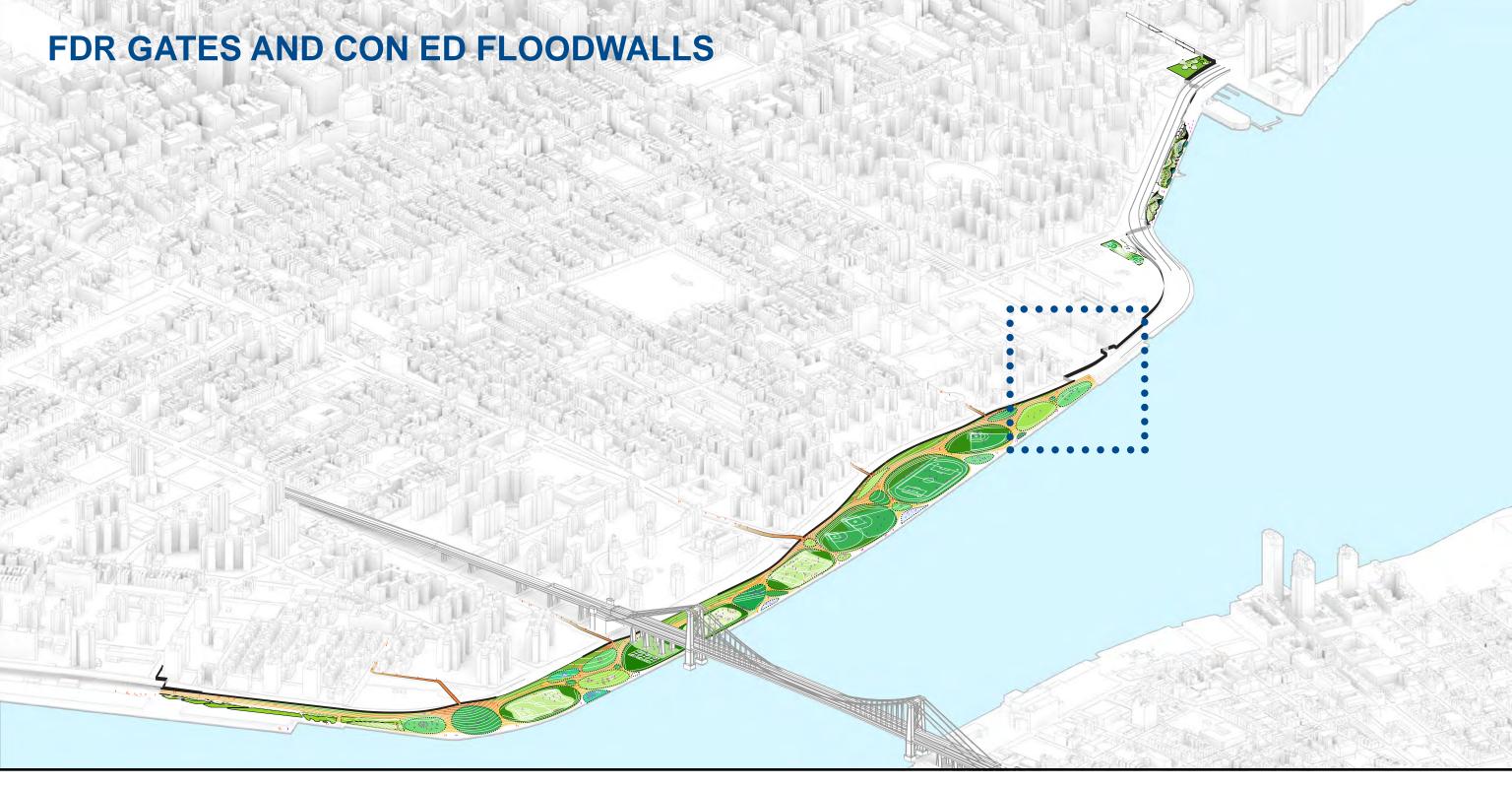


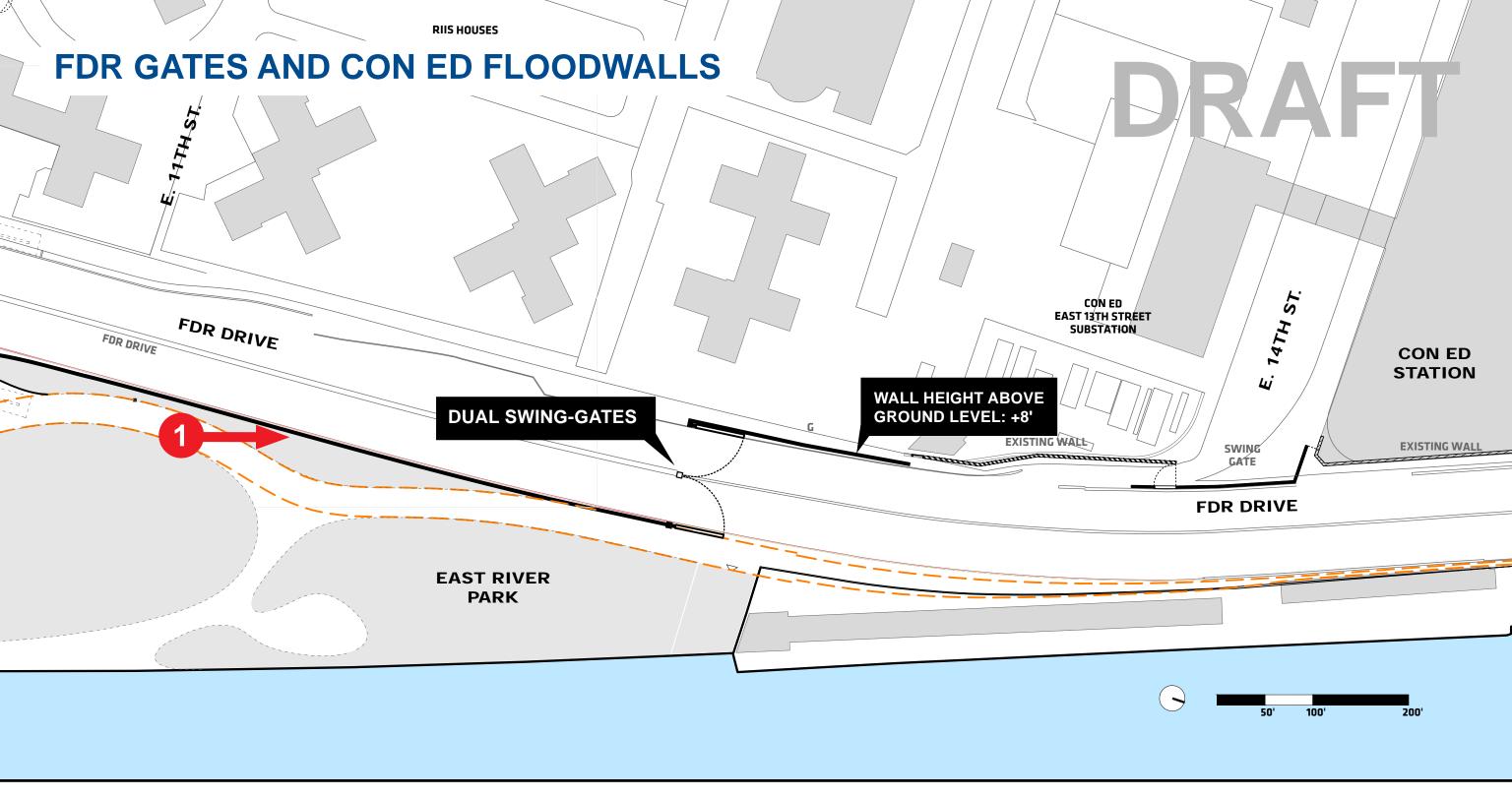
Typical Section - Existing Conditions FDR Parking Bikepath Esplanade East River

Section A - Proposed FDR Flood Wall +TW16.5 Parking Bikepath Planting Lawn Esplanade East River Con Ed Trench

















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NEXT STEPS

Community Engagement and Revised Concept Roll-Out

OCT - DEC 2016

Asser Levy and Murphy Brothers' Playgrounds Stuyvesant Cove Park/23rd Street Intersection Project Area Two Overview

Project Area One Concept Preview Project Area One North & South Overviews

Overall Concept Plan

-Community Input Session, TBD

-Community Input Session, TBD

-Community Update Session, TBD

-CB3 Parks Committee

-Community Update Sessions, TBD

-PDC Presentation, Nov

-CB3/6 Joint Task Force Meeting, Dec

NEXT STEPS

Preliminary Design



WE ARE HERE

Concept Design

Concept Revision

Preliminary Design

Final Design

Dec. 2014 - Dec. 2015

May 2016 - August 2016

September 2016 - February 2017

March 2017 - October 2017

- -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