

#ONENYC

NYC

Mayor's Office of
Recovery and Resiliency

**NYC
DDC**

Department of
Design and
Construction



NYC Parks



NYC

Environmental
Protection

EAST SIDE COASTAL RESILIENCY
CB3/CB6 JOINT WATERFRONT TASK FORCE
November 9th, 2017

EAST SIDE COASTAL RESILIENCY

CB3/CB6 JOINT WATERFRONT TASK FORCE

November 9th, 2017

- 1. Project Overview**
- 2. Project Updates**
- 3. Next Steps**

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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

Project Approach: Designing Social Infrastructure

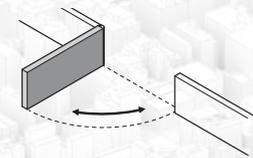


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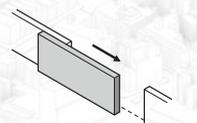


 RESILIENCY
INFRASTRUCTURE

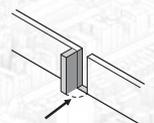
BASELINE FLOOD PROTECTION



Swing Gate



Roller Gates



Pedestrian Gate

MONTGOMERY ST.
TIE-BACK

25TH STREET
TIEBACK

FLOOD GATES ARE LOCATED
ACROSS PEDESTRIAN, CYCLISTS,
AND VEHICULAR ACCESSWAYS.

Floodwall/Levee 

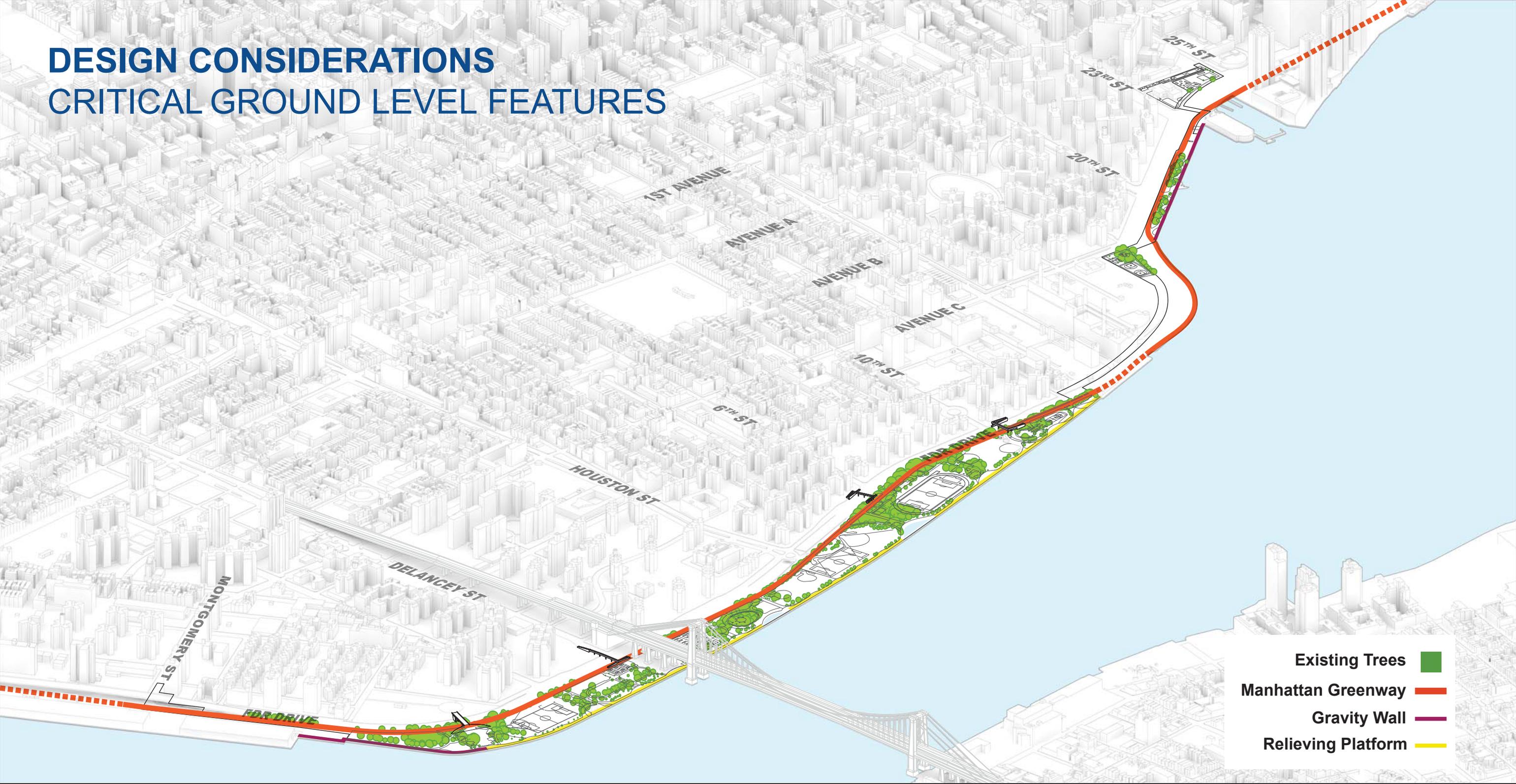
Closure Areas 

EXISTING PROGRAM USES ALONG THE WATERFRONT



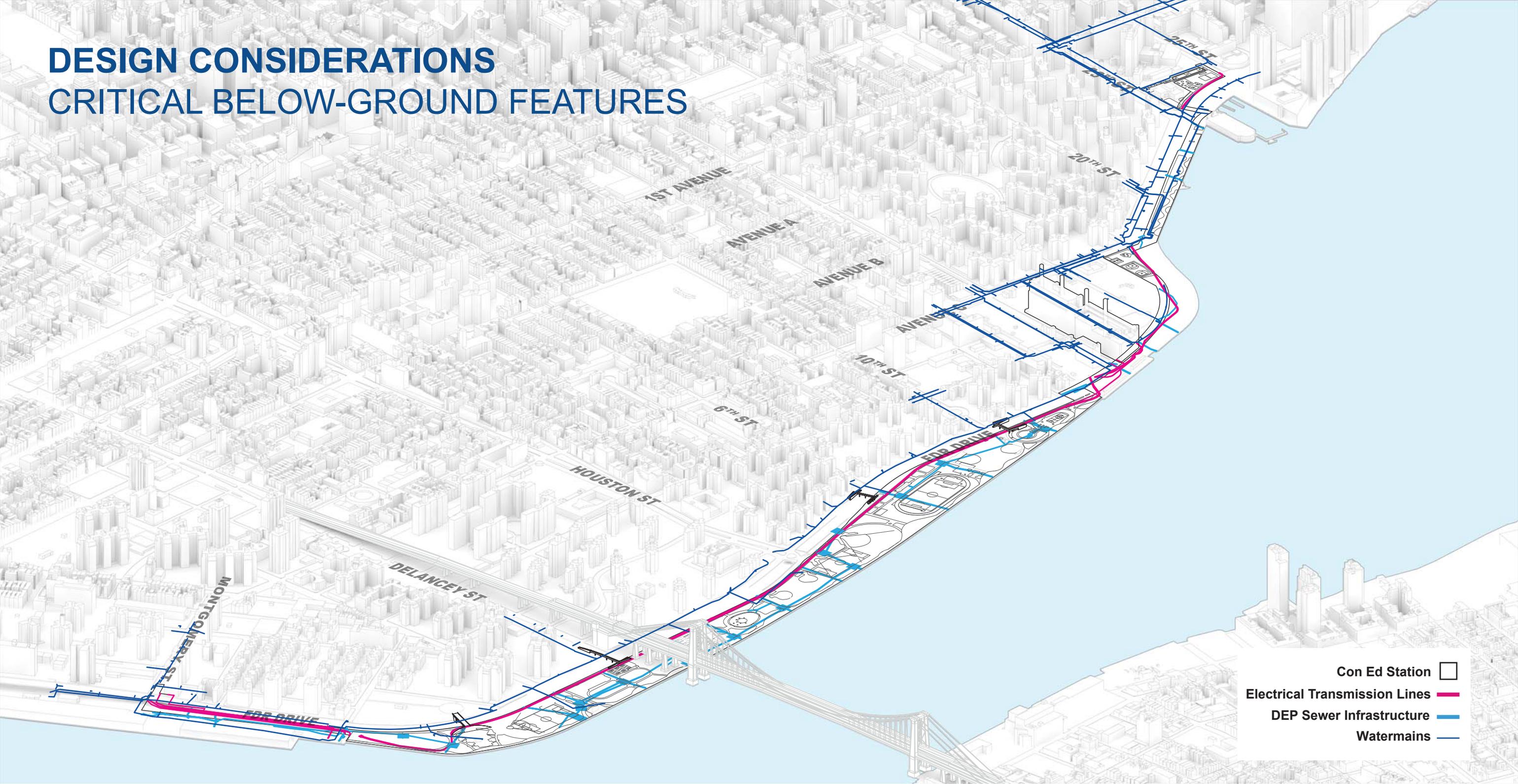
DESIGN CONSIDERATIONS

CRITICAL GROUND LEVEL FEATURES



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

DESIGN CONSIDERATIONS CRITICAL BELOW-GROUND FEATURES



A PROTECTED COMMUNITY AND IMPROVED WATERFRONT!

ASSER LEVY PLAYGROUND

25TH ST. TIE-BACK

STUYVESANT COVE PARK

MURPHY BROTHERS PLAYGROUND

CON ED TIE-IN

THE PROJECT CREATES AN ELEVATED EDGE 8'-9' ABOVE EXISTING GROUND LEVEL.

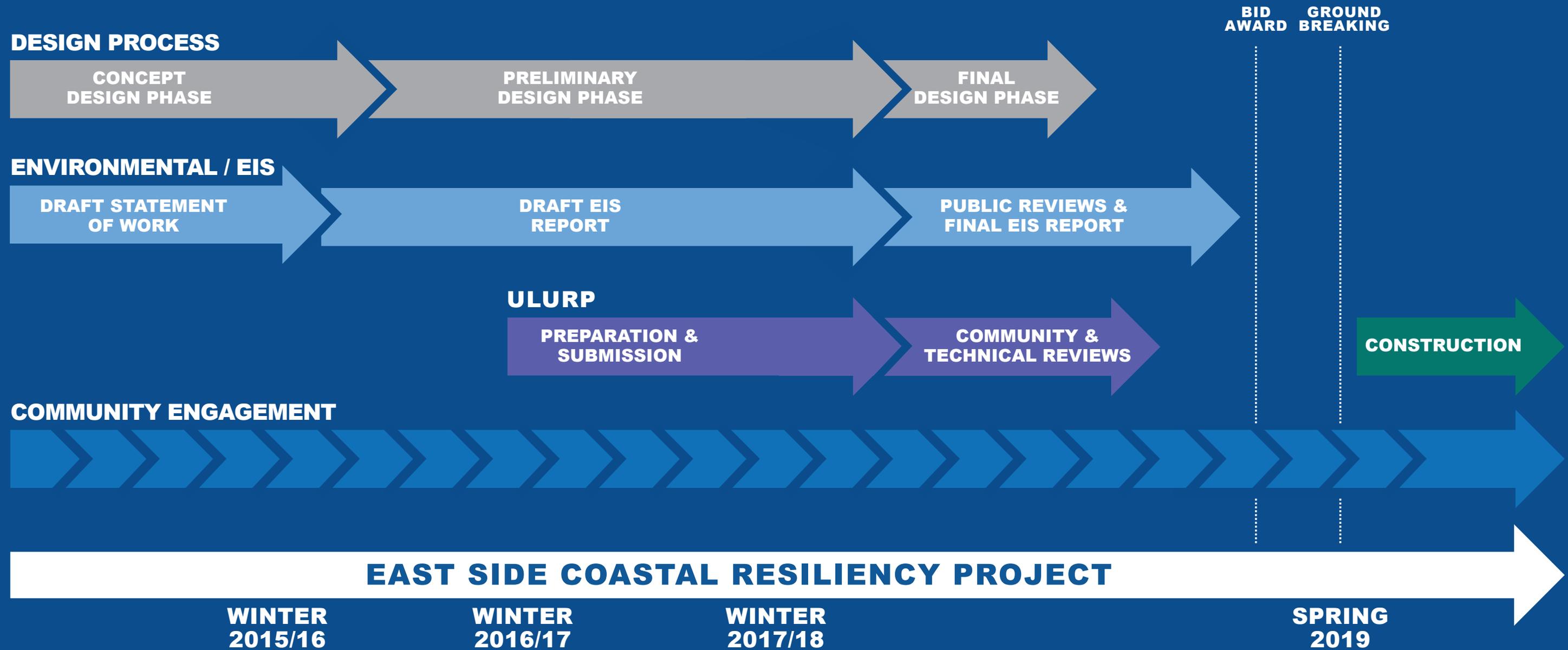
EAST RIVER PARK

MONTGOMERY ST. TIE-BACK

NOTE: FEATURES ARE SUBJECT TO VALUE ENGINEERING

ESCR NEXT STEPS

Current Project Schedule



EAST SIDE COASTAL RESILIENCY

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November 9th, 2017

1. Project Overview

2. Project Updates

- Stakeholder Engagement
- On-going Coordination
- On-going Field Work
- Interior Drainage Analysis
- Action Plan Amendment Approved by HUD

3. Next Steps

PROJECT UPDATES

Stakeholder Engagement

25TH STREET TIE-BACK



APRIL 25TH

MEETING

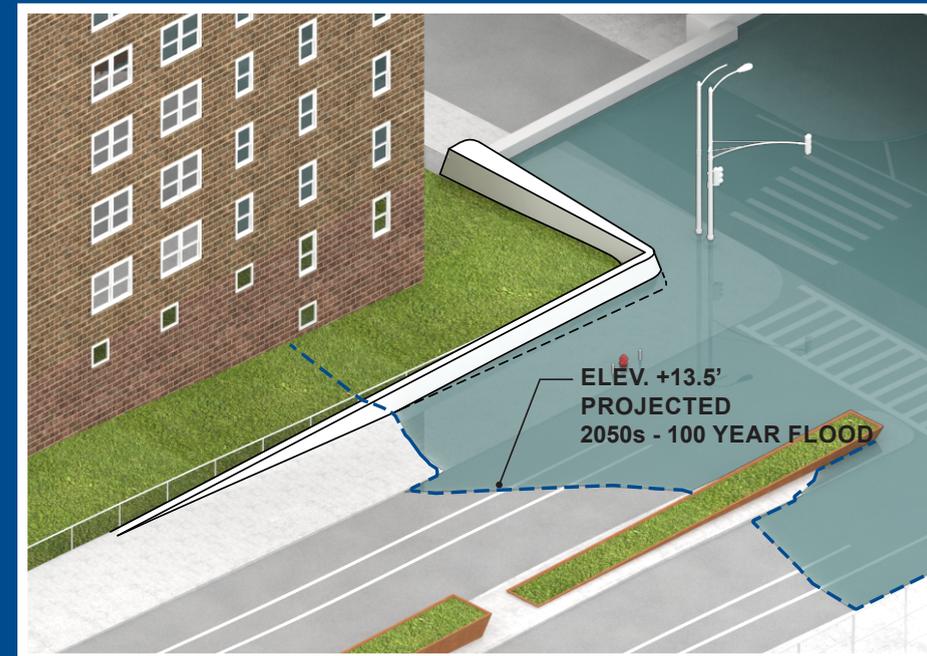
JUNE 15TH

FOLLOW-UP MEETING

JUNE 28TH

SITE WALK

MONTGOMERY ST TIE-BACK



SEPTEMBER 15TH (2016)

BOARD MEETING

JANUARY 17TH

BOARD MEETING

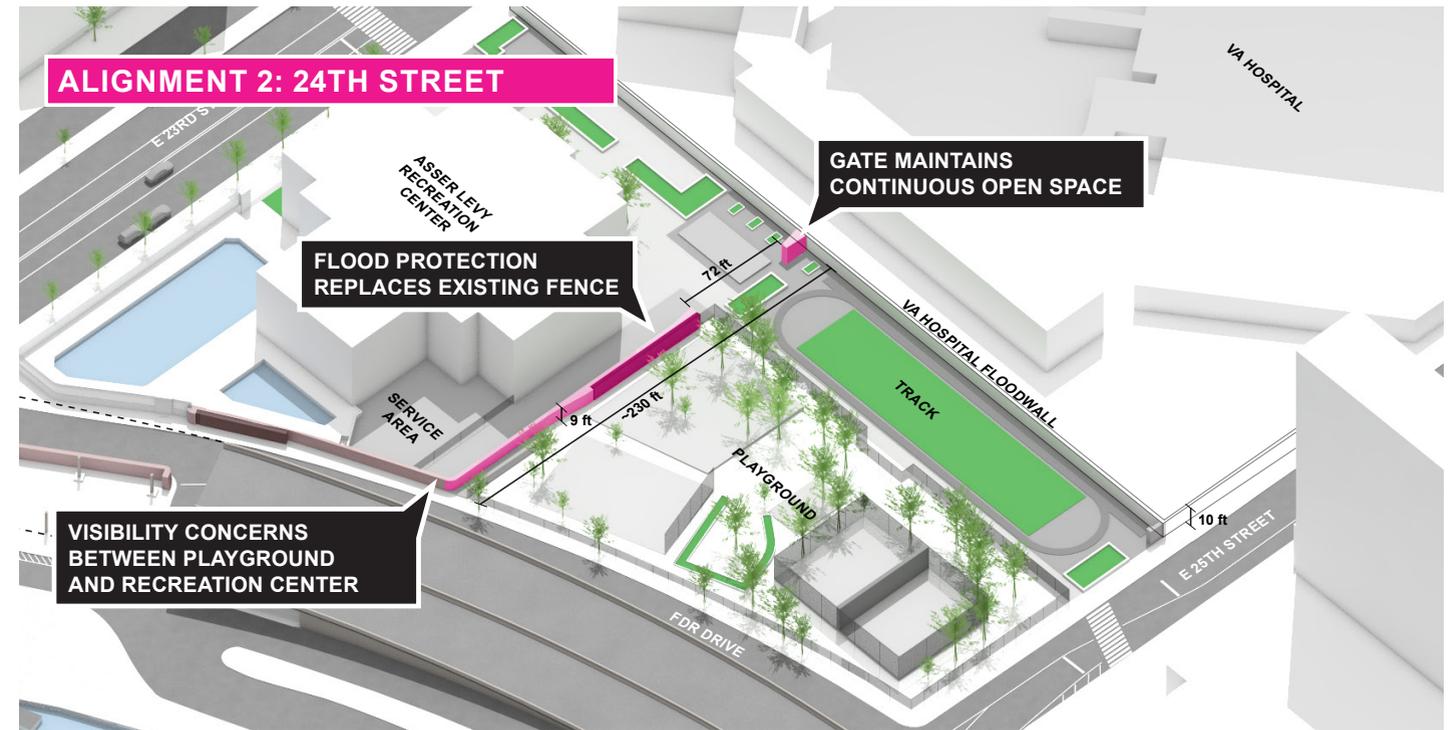
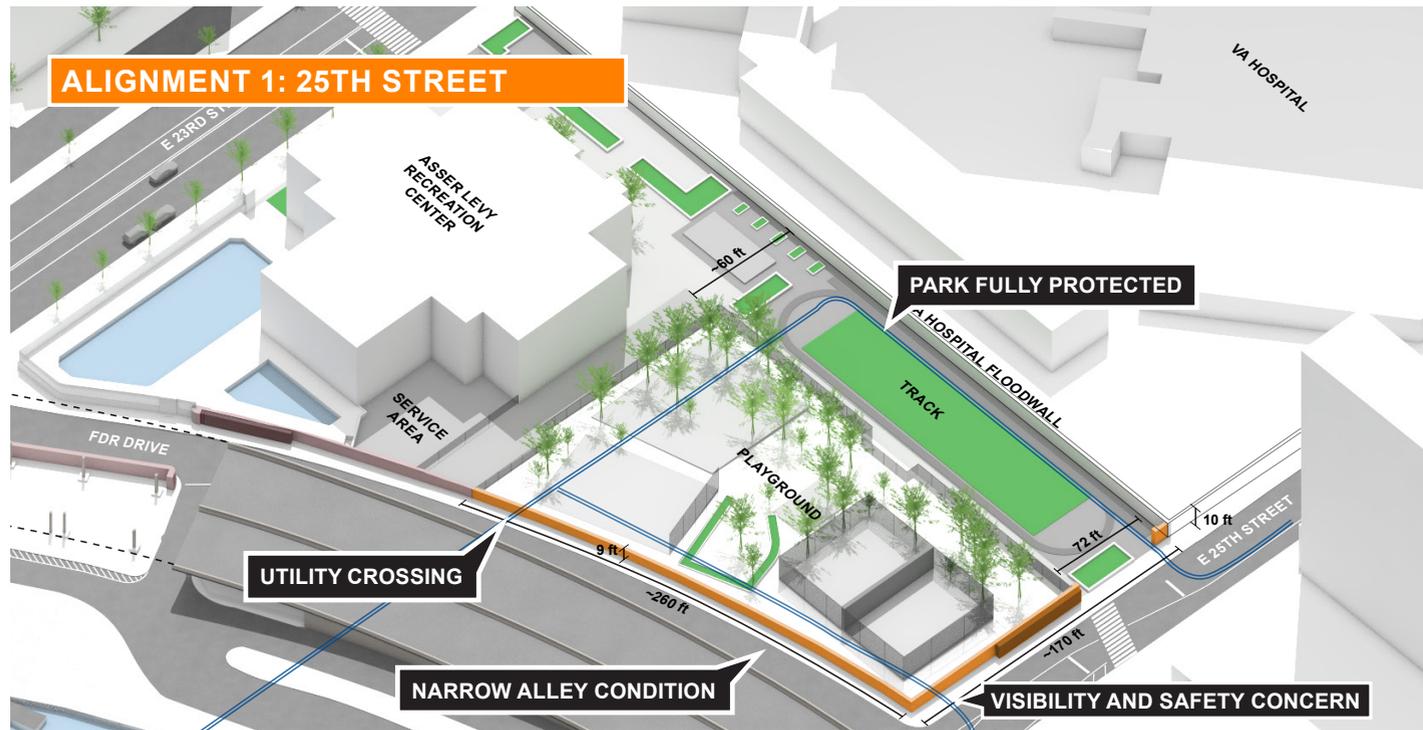
NOVEMBER 6TH

BOARD MEETING

NYC.GOV/ESCR WEBSITE FOR PUBLIC INPUT

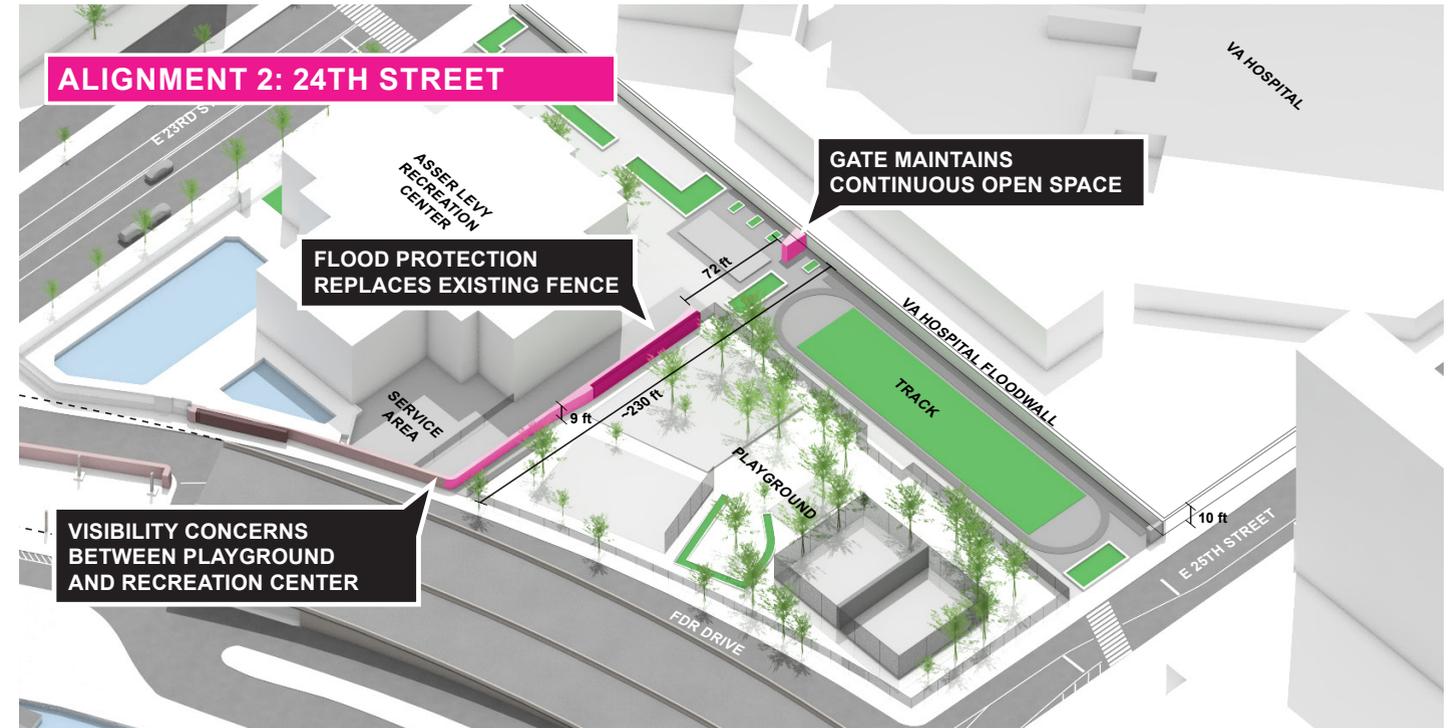
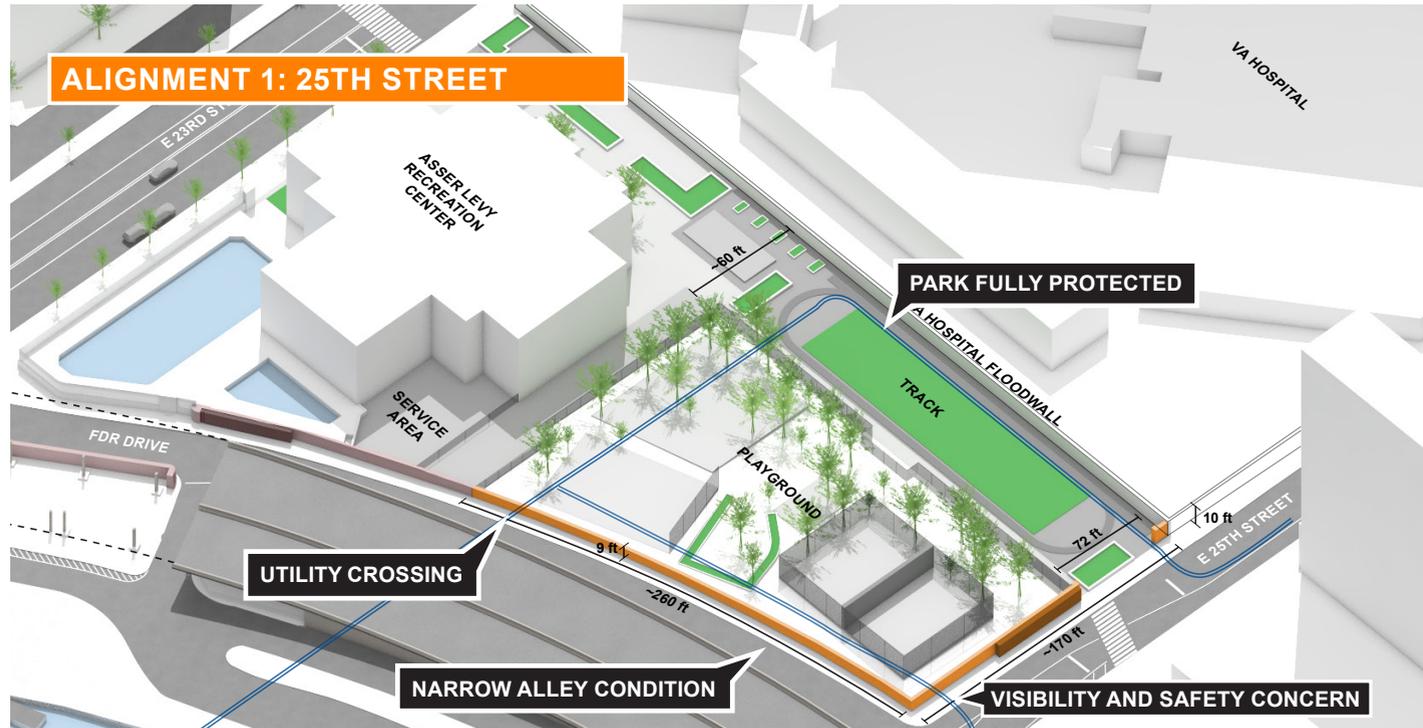
PROJECT UPDATES

Stakeholder Engagement: 24th/25th Street Alignment



PROJECT UPDATES

Stakeholder Engagement: 24th/25th Street Alignment

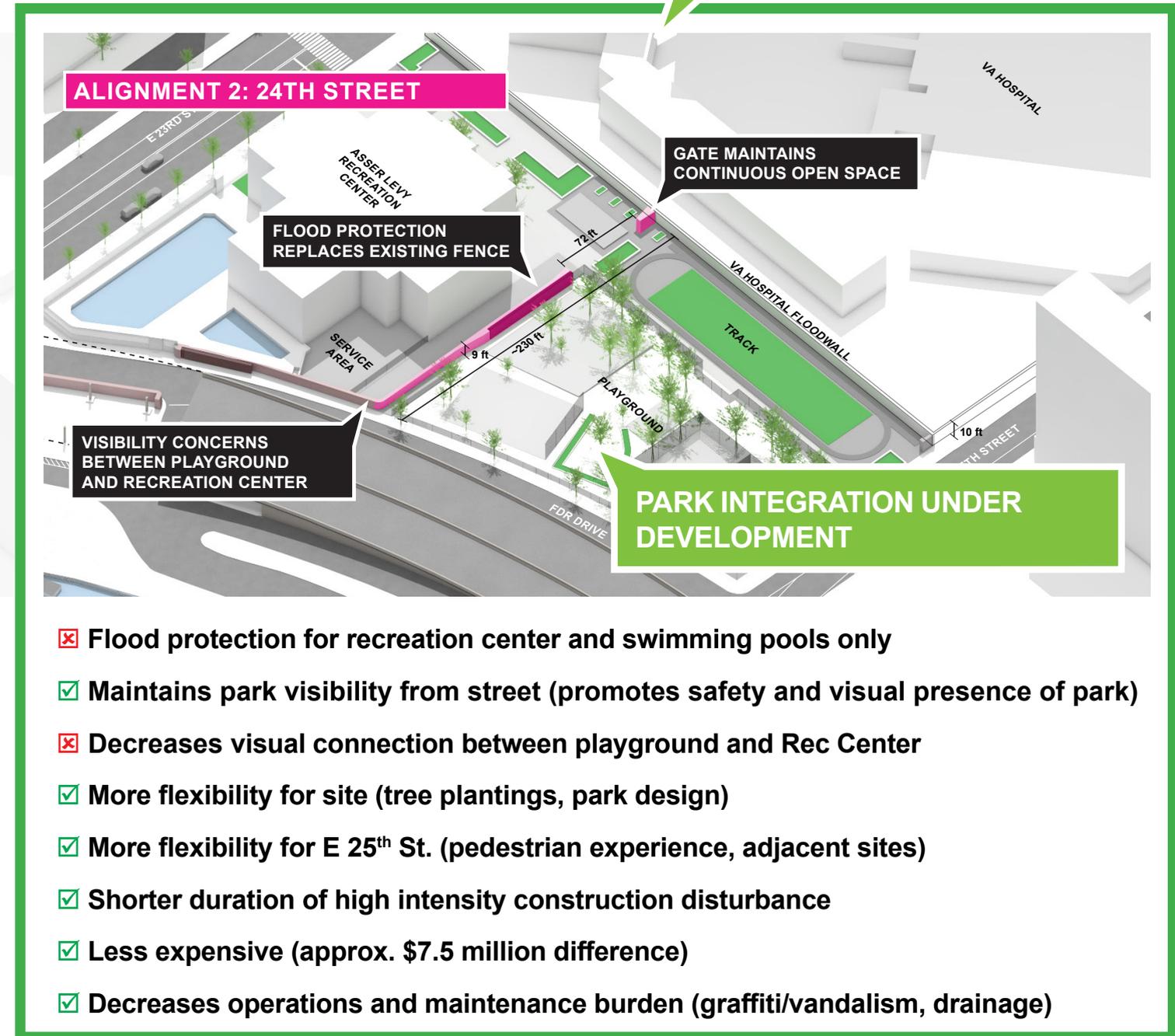
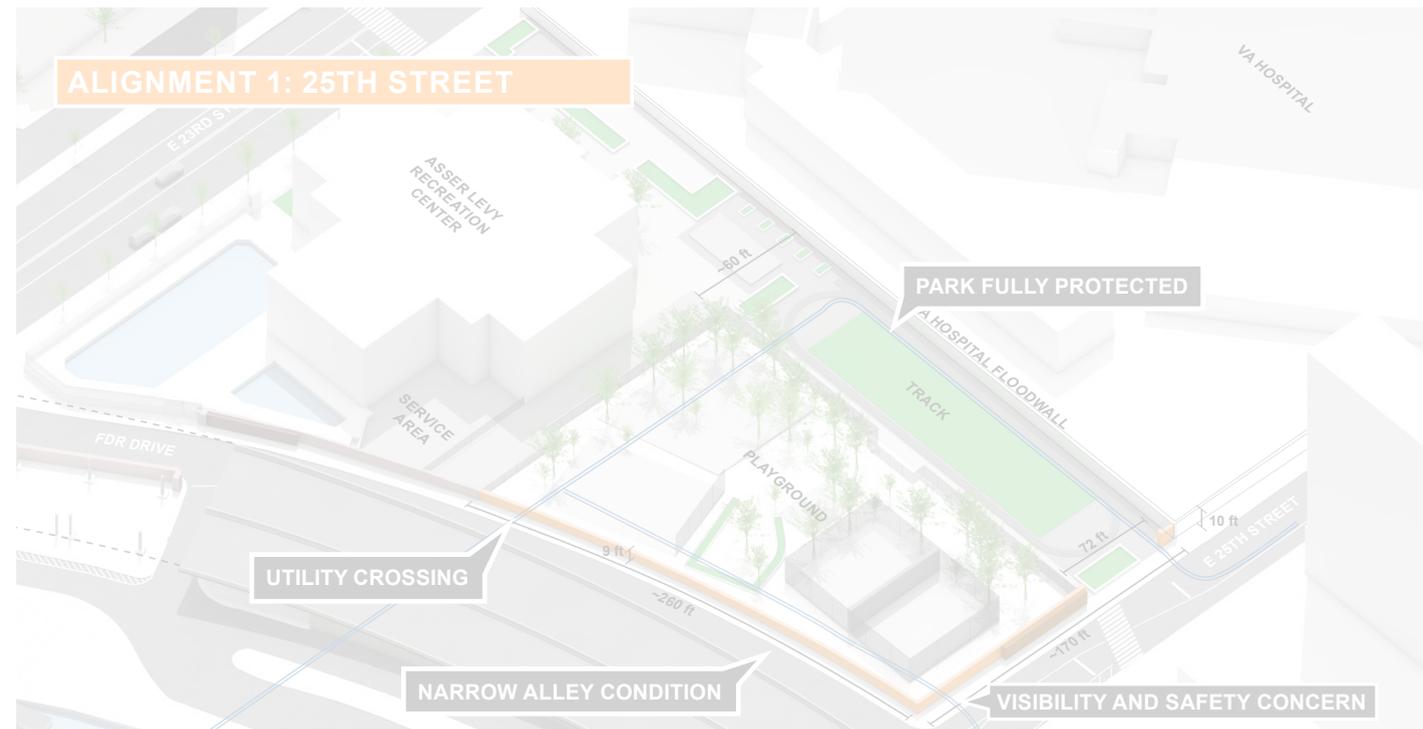


- ✔ Provides flood protection for playground and park
- ✘ Decreases park visibility from street (reduces safety and visual presence of park)
- ✔ Maintains visual connection between playground and Rec Center
- ✘ Greater limitations on future flexibility of site (tree plantings, park design)
- ✘ Greater limitations on future of E 25th St. (pedestrian experience, adjacent sites)
- ✘ Longer duration of high intensity construction disturbance
- ✘ More expensive (approx. \$7.5 million difference)
- ✘ Increases operations and maintenance burden (graffiti/vandalism, drainage)

- ✘ Flood protection for recreation center and swimming pools only
- ✔ Maintains park visibility from street (promotes safety and visual presence of park)
- ✘ Decreases visual connection between playground and Rec Center
- ✔ More flexibility for site (tree plantings, park design)
- ✔ More flexibility for E 25th St. (pedestrian experience, adjacent sites)
- ✔ Shorter duration of high intensity construction disturbance
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PROJECT UPDATES

Stakeholder Engagement: 24th/25th Street Alignment



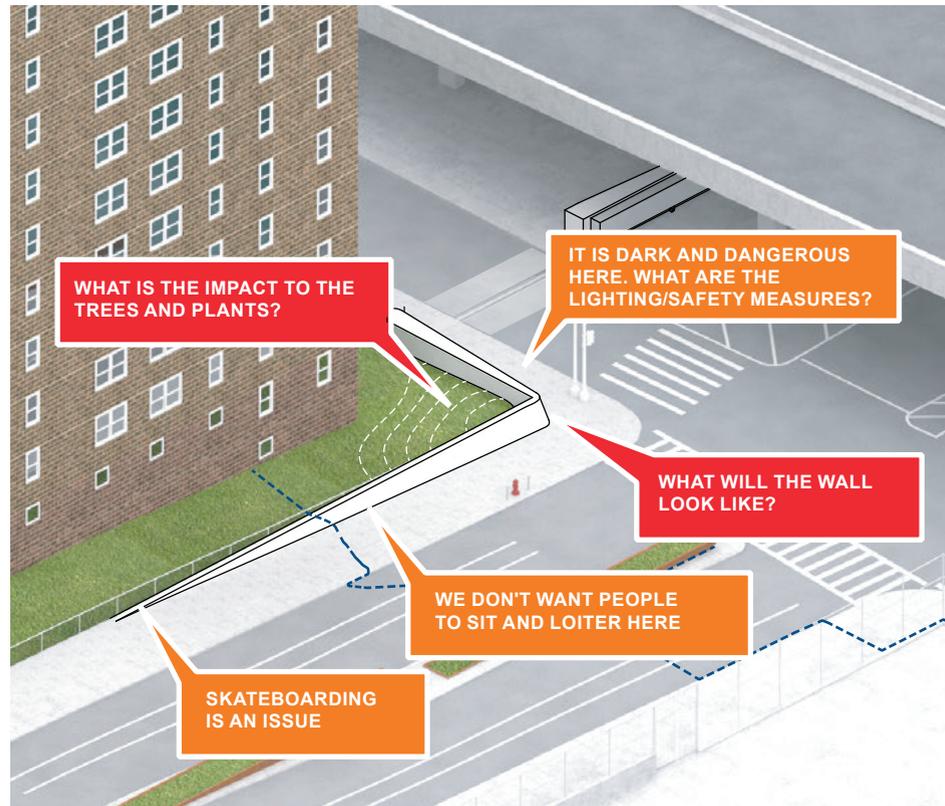
MOVING FORWARD WITH THE 24TH ST ALIGNMENT

- Provides flood protection for playground and park
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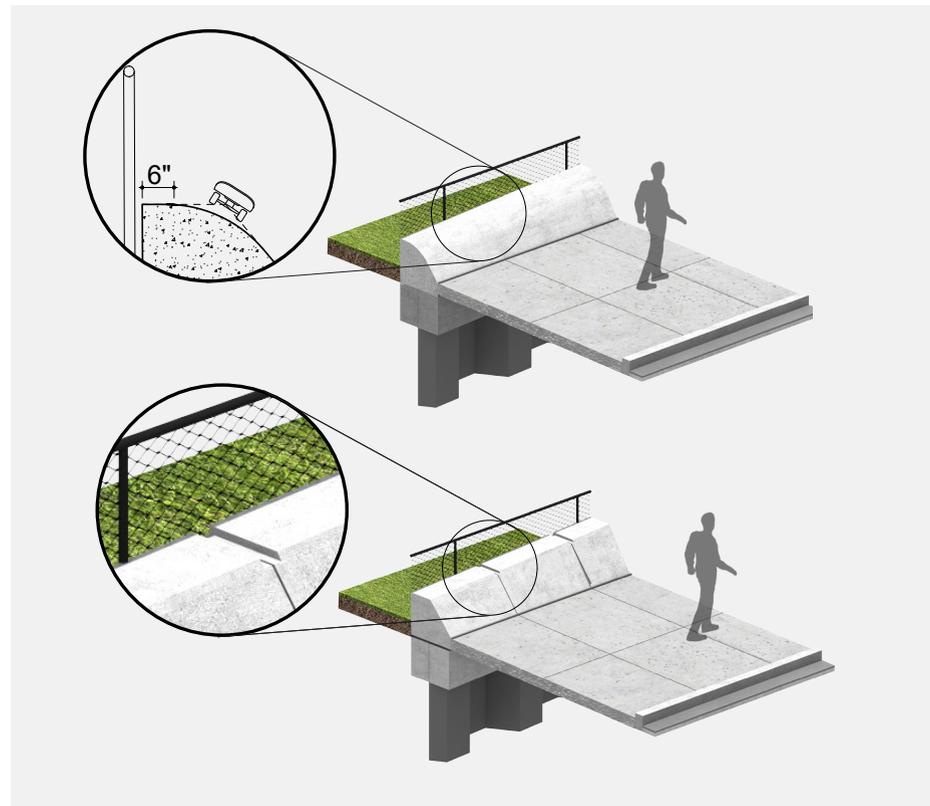
PROJECT UPDATES

Stakeholder Engagement: Montgomery Street Tie-Back



ADDRESSED CONCERNS

- Corner visibility
- Skateboarding and loitering
- Impact on trees and plants



DISCUSSED IDEAS

- Wall design, lighting + safety
- Landscape design opportunities



ON-GOING CONVERSATION

- Wall finish & street lighting design
- Landscape design workshop early next year

PROJECT UPDATES

On-going Coordination

SOLAR TWO: DESIGN INTEGRATION AND PHASING

Solar Two Design Team working closely with ESCR designers to develop construction phasing and seamless design integration.

VA HOSPITAL: FLOOD PROTECTION INTEGRATION

Regular project coordination check-ins with VA Medical Center for flood protection tie-in.

PIER 42: DESIGN AND CONSTRUCTION PHASING

Coordinating with NYC Parks and EDC on design and construction phasing for Pier 42 Phase 1A (Pier shed demolition - Late 2017 to Early 2018) & Phase 1B (Upland Park - Mid 2018 to Early/Mid 2020).

CON EDISON: UTILITIES AND FLOOD PROTECTION INTEGRATION

Partnering with Con Edison throughout project for electric infrastructure and flood protection tie-in.

LES ECOLOGY CENTER: COMPOST FACILITY AND WETLAND PROJECT

Working with NYC Parks and LESEC to ensure coordinated design approach. (Construction from Fall 2018 to Fall 2019)

PROJECT UPDATES

On-going Field Work

- **Geotechnical borings: Investigating subsurface conditions to refine design and costs**
 - Flood protection foundations
 - Pedestrian bridges foundations
 - Sewer & drainage infrastructure
 - FDR Drive



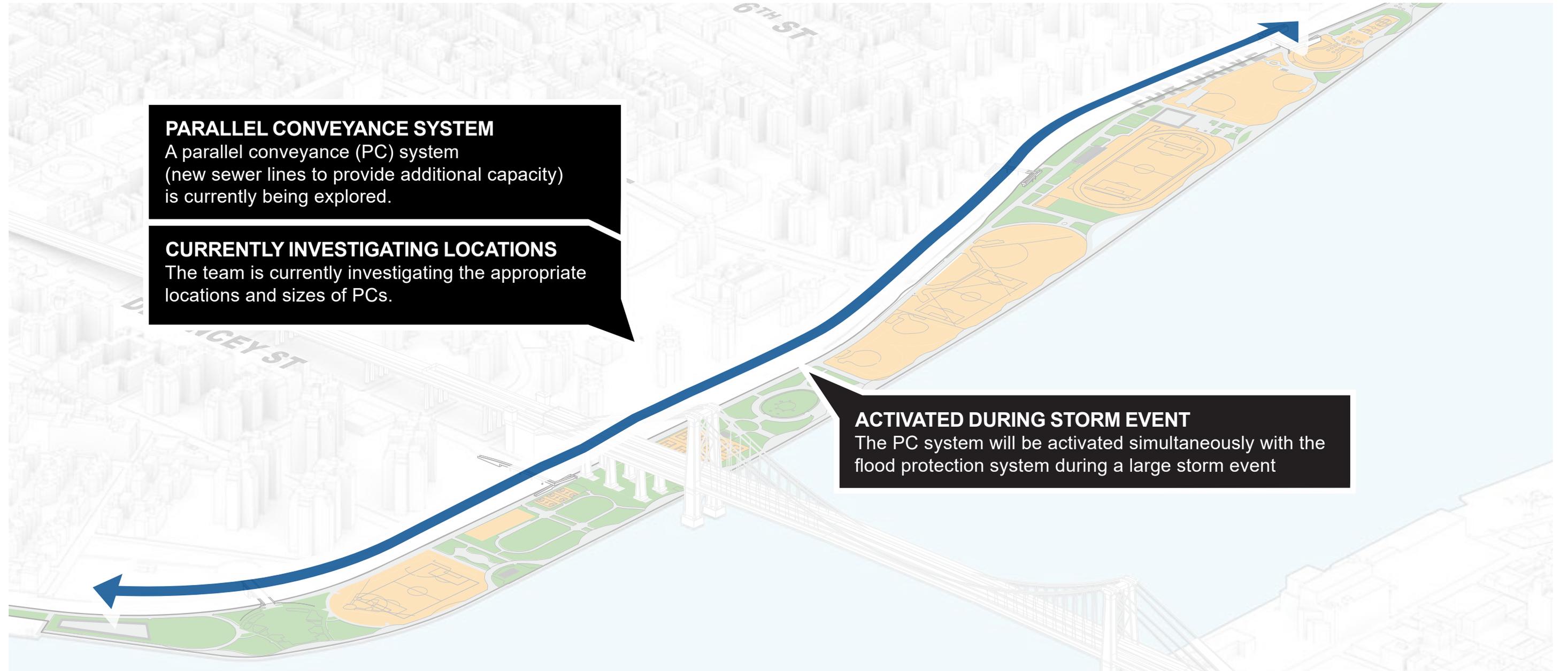
PROJECT UPDATES

Interior Drainage Analysis



PROJECT UPDATES

Interior Drainage Analysis



PROJECT UPDATES

Action Plan Amendment approved by HUD

- Published online March 24th, 2017
- Received public comments (oral and written)
- City responded to comments and submitted to HUD on May 12, 2017
- HUD approved Action Plan Amendment on July 14, 2017

Substantial Action Plan Amendment, including responses to comments, is available online:

http://www.nyc.gov/html/cdbg/downloads/pdf/ActionPlan_BCA_Compiled.pdf



EAST SIDE COASTAL RESILIENCY

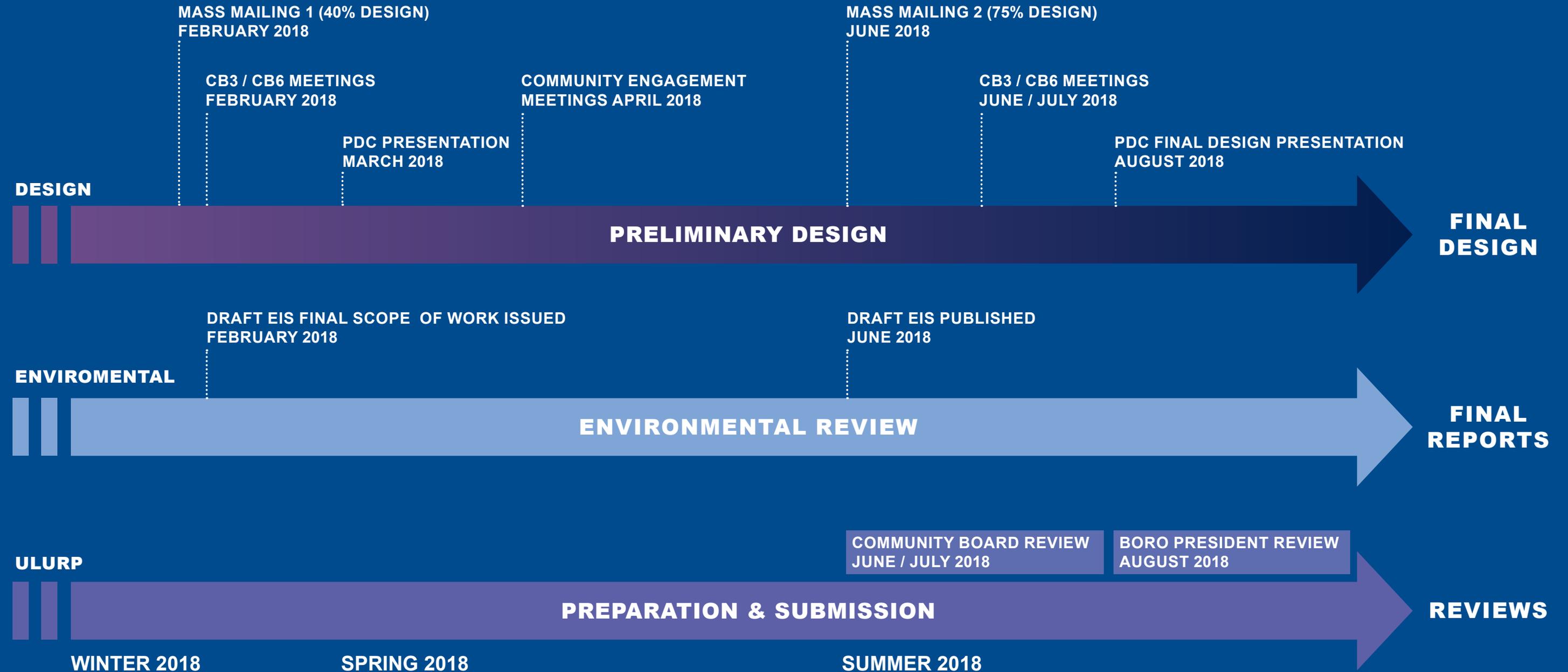
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ESCR NEXT STEPS

Anticipated 2018 Schedule



ESCR NEXT STEPS

Anticipated 2018-2019 Schedule





Visit Us!
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E-Mail: nycresiliency@cityhall.nyc.gov
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