

#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
January 31st, 2017

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CB3/CB6 JOINT WATERFRONT TASK FORCE
January 31st, 2017

- 1. Project Status**
- 2. Design Update**
- 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 & deployables.
- Improve waterfront open spaces and access to them
- 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



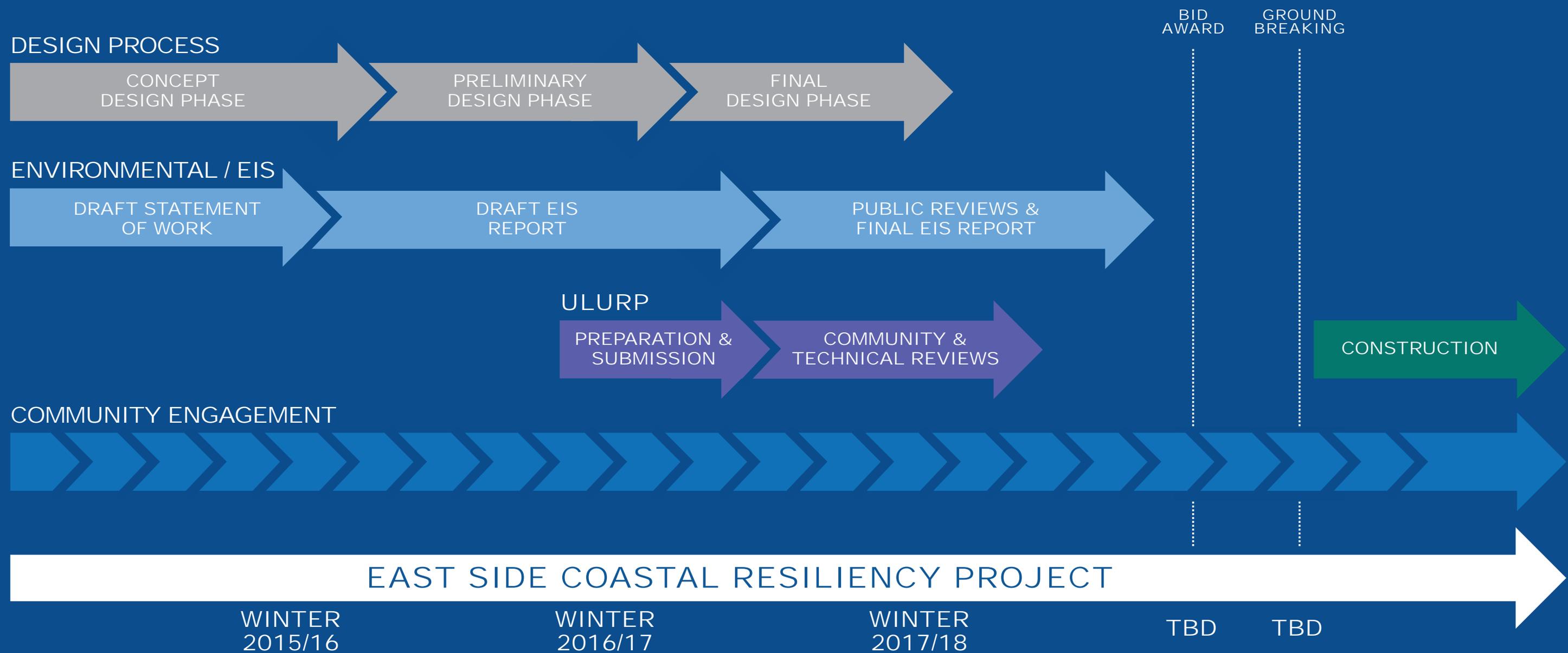
 PEOPLE



 RESILIENCY
INFRASTRUCTURE

ESCR NEXT STEPS

Project Schedule



EAST SIDE COASTAL RESILIENCY

2016 Community Board Meetings

CB3/CB6 JOINT TASK FORCE

How is the project being developed in response to the new constraints?



MAY 23RD



SEPTEMBER 20TH

CB6 PARKS

How has the design of the parks been refined since the initial concept?



OCTOBER 4TH

CB3 PARKS



OCTOBER 13TH

EAST SIDE COASTAL RESILIENCY

2016 Public Workshops

INPUT SESSION

How will the flood protection integrate with the playgrounds?



NOVEMBER 14TH
Asser Levy Playground and
Murphy Brothers Playground

COMMUNITY ENGAGEMENT WORKSHOPS

How have the flood protection alignments and design been updated since last year?



NOVEMBER 28TH
Project Area 2



DECEMBER 1ST
Project Area 1 South



DECEMBER 7TH
Project Area 1 North

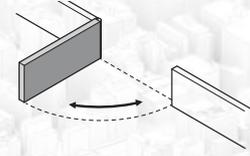


SCALE MODEL
UPDATED CONCEPT

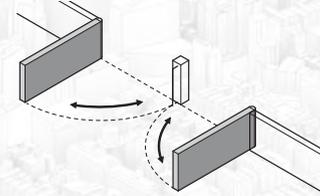
EAST SIDE COASTAL RESILIENCY
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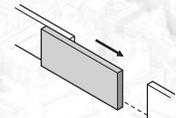
BASELINE FLOOD PROTECTION



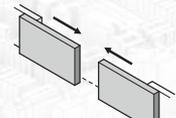
Single Swing Gate (x7)



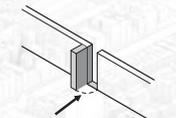
Double Swing Gates (x1)



Single Roller Gates (x5)



Double Roller Gates (x1)



Pedestrian Gates (x4)

*18 Total
Closure Structures

25TH STREET
TIEBACK

MONTGOMERY
STREET TIEBACK

FLOOD GATES ARE LOCATED
ACROSS PEDESTRIAN, CYCLIST,
AND VEHICULAR ACCESS WAYS.

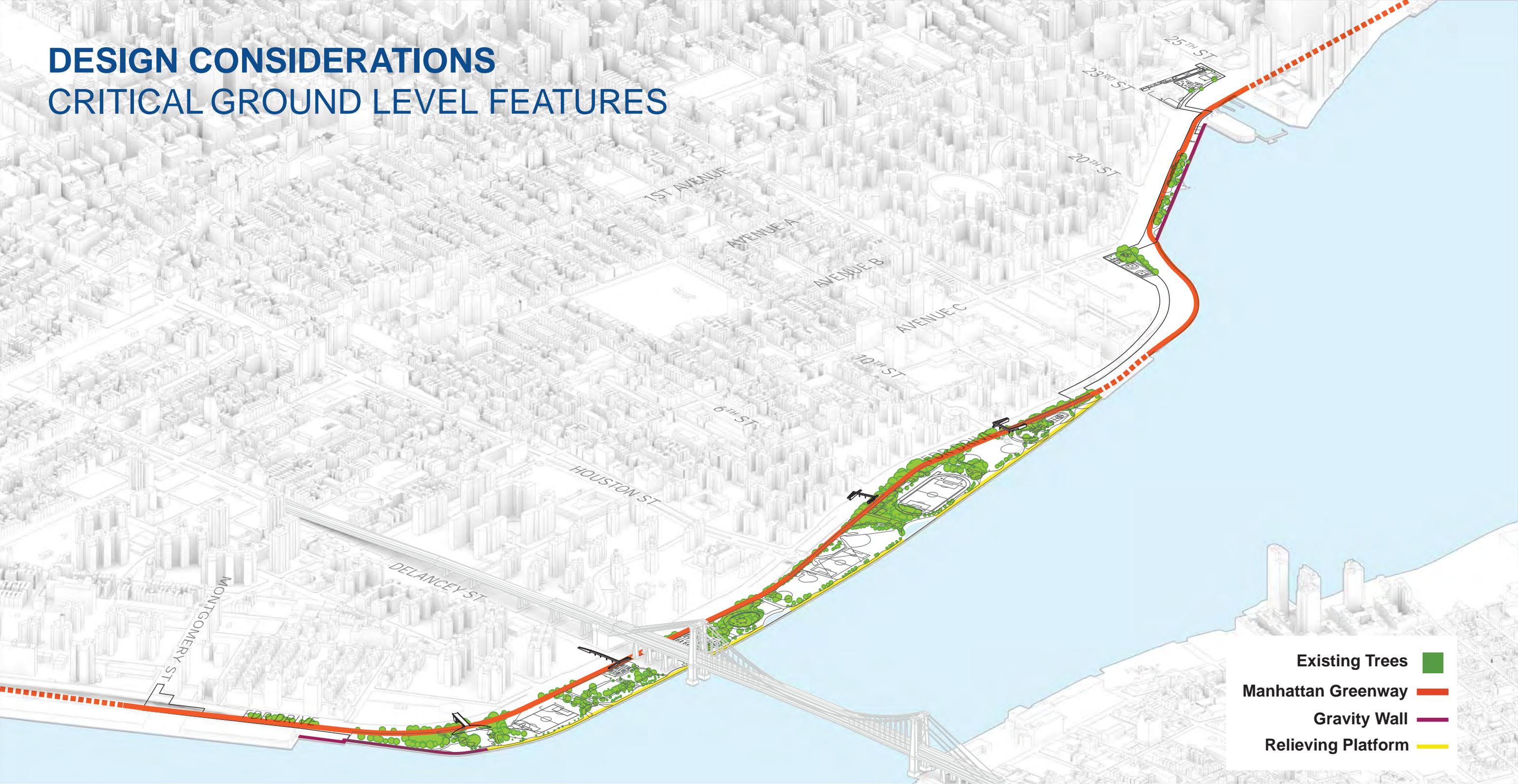
Floodwall/Levee 
Closure Areas 

EXISTING PROGRAM USES ALONG THE WATERFRONT

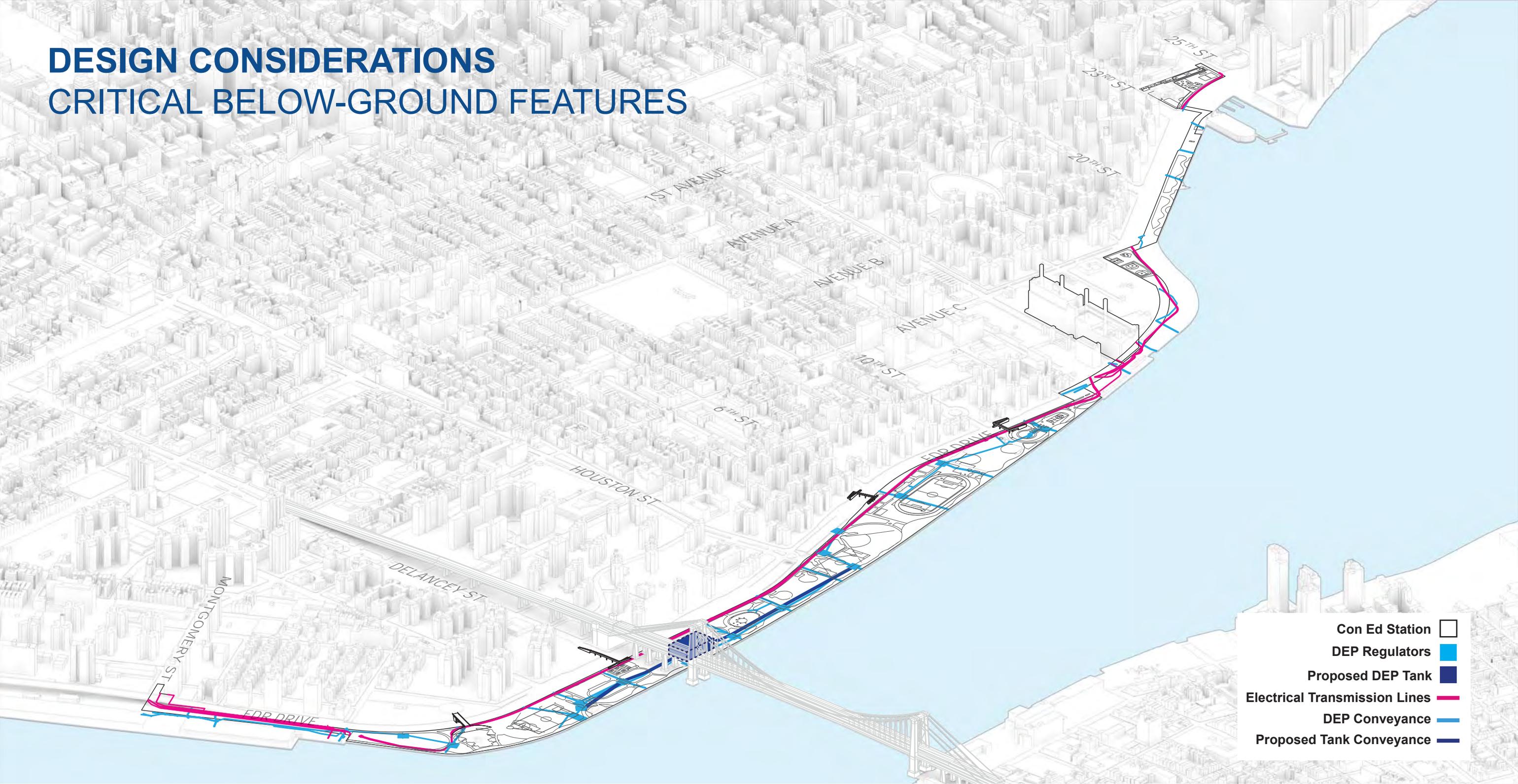


DESIGN CONSIDERATIONS

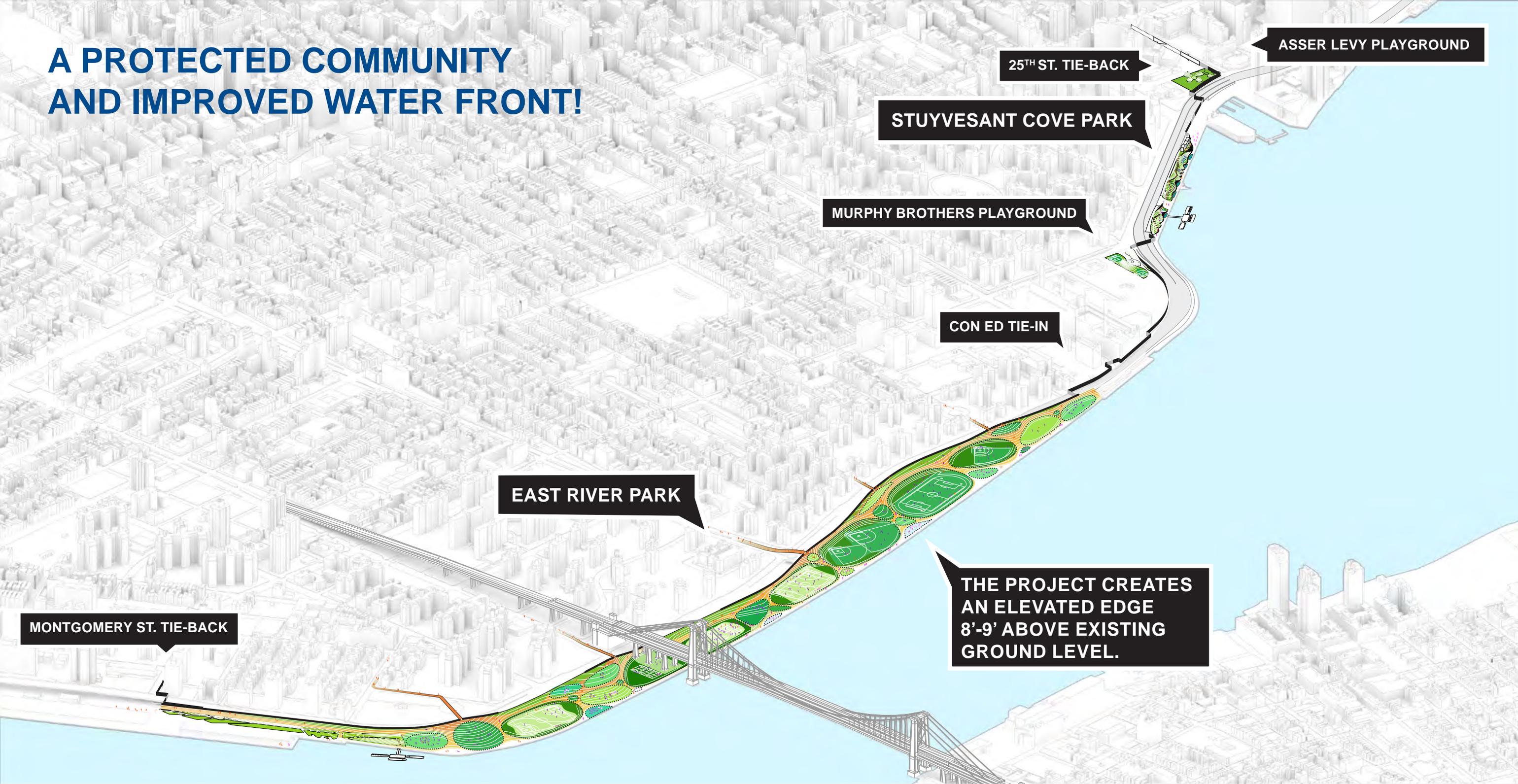
CRITICAL GROUND LEVEL FEATURES



DESIGN CONSIDERATIONS CRITICAL BELOW-GROUND FEATURES



A PROTECTED COMMUNITY AND IMPROVED WATER FRONT!



ASSER LEVY PLAYGROUND

25TH ST. TIE-BACK

STUYVESANT COVE PARK

MURPHY BROTHERS PLAYGROUND

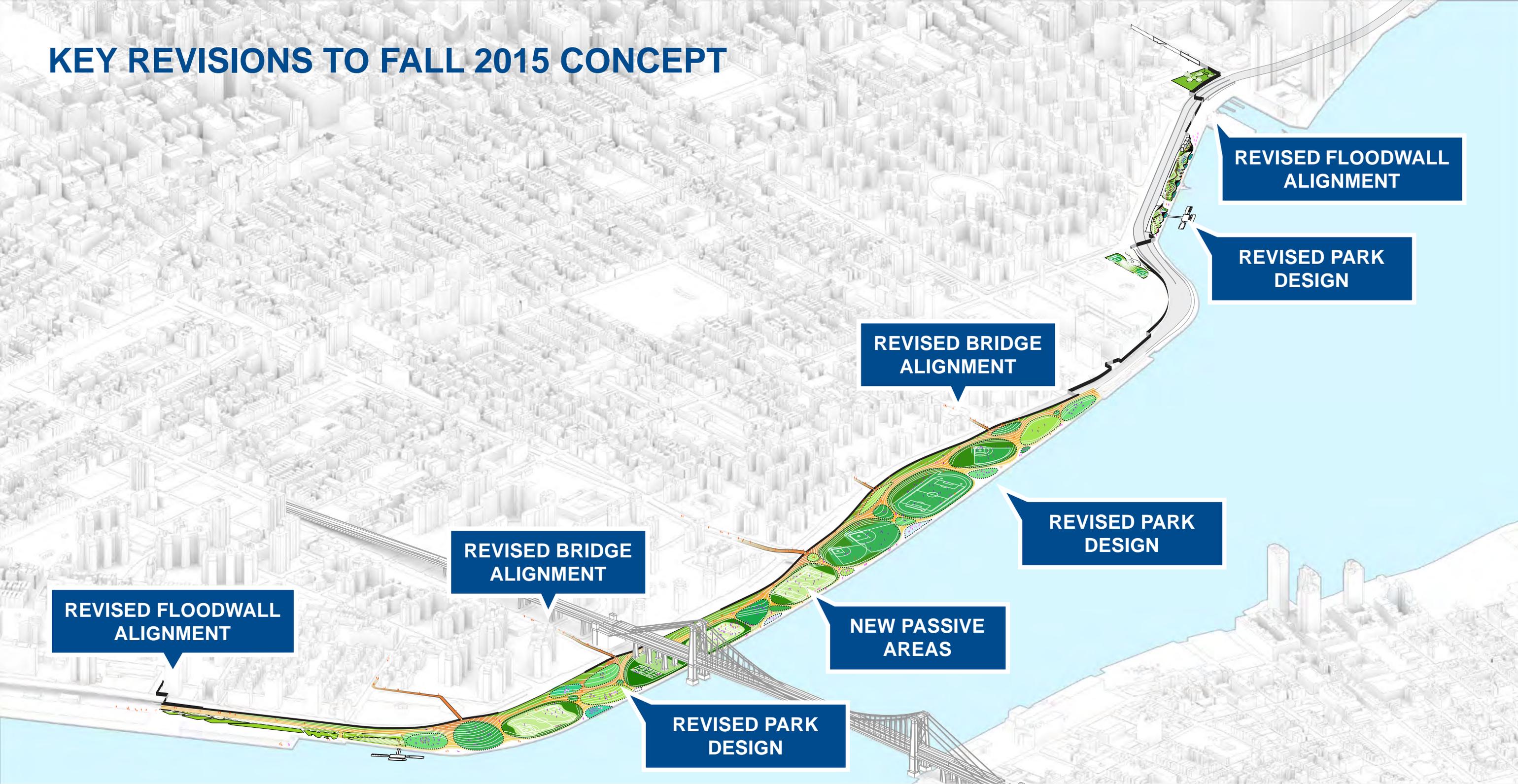
CON ED TIE-IN

EAST RIVER PARK

MONTGOMERY ST. TIE-BACK

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

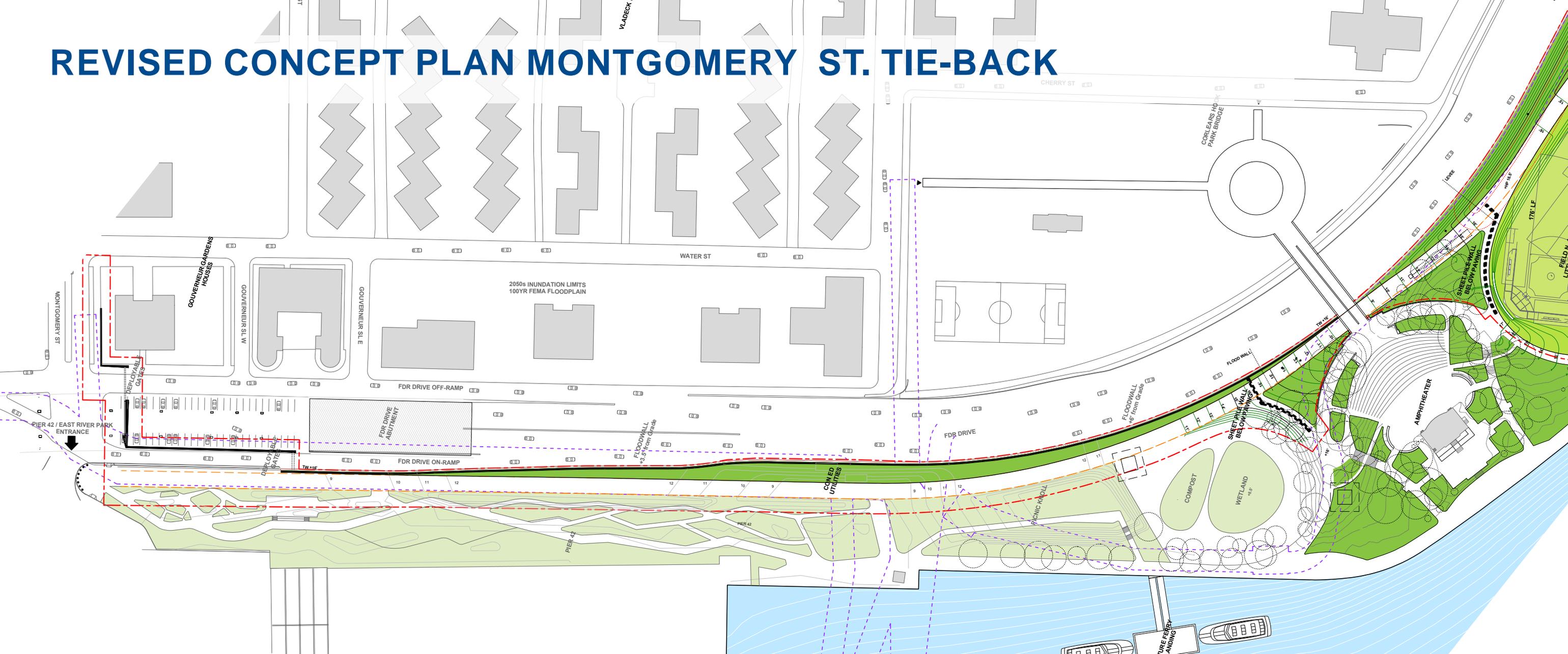
KEY REVISIONS TO FALL 2015 CONCEPT



MONTGOMERY ST. AND PIER 42 AREA

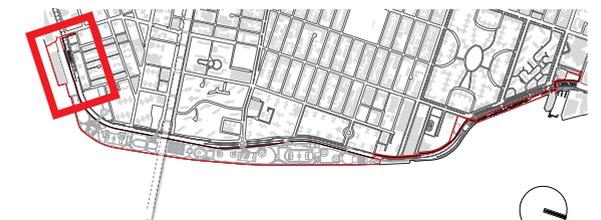


REVISED CONCEPT PLAN MONTGOMERY ST. TIE-BACK



LEGEND

- SPORTS FIELD - SYNTHETIC TURF
- LAWN AREA
- PLANTED AREA
- EXISTING TREES
- FLOODWALL
- FENCE
- CON-ED TUNNEL / TROUGH
- LIMIT OF WORK
- REGULATORS



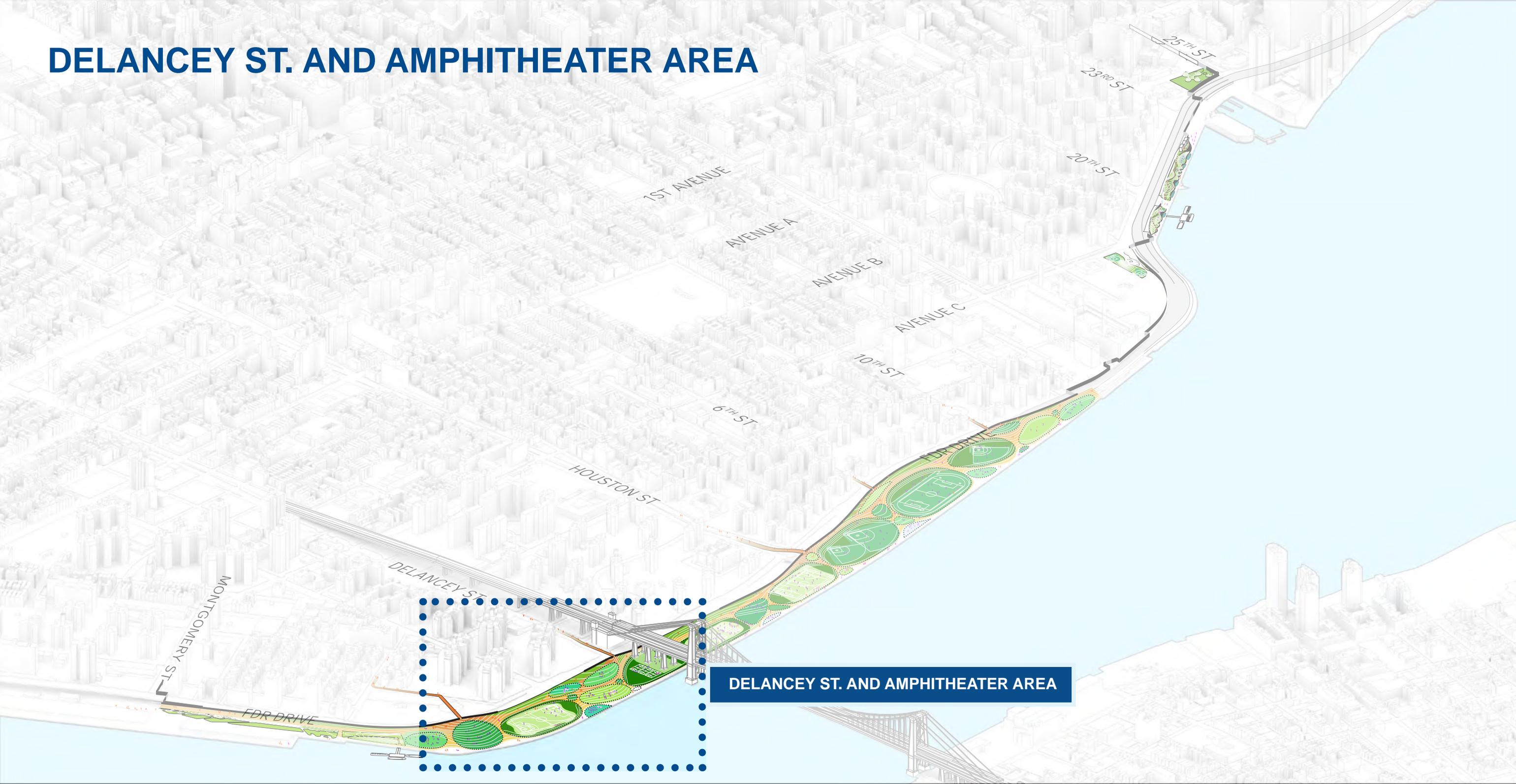
PROPOSED CONDITION - MONTGOMERY ST. TIE-BACK
GATES STORED



PROPOSED CONDITION - MONTGOMERY ST. TIE-BACK
GATES CLOSED



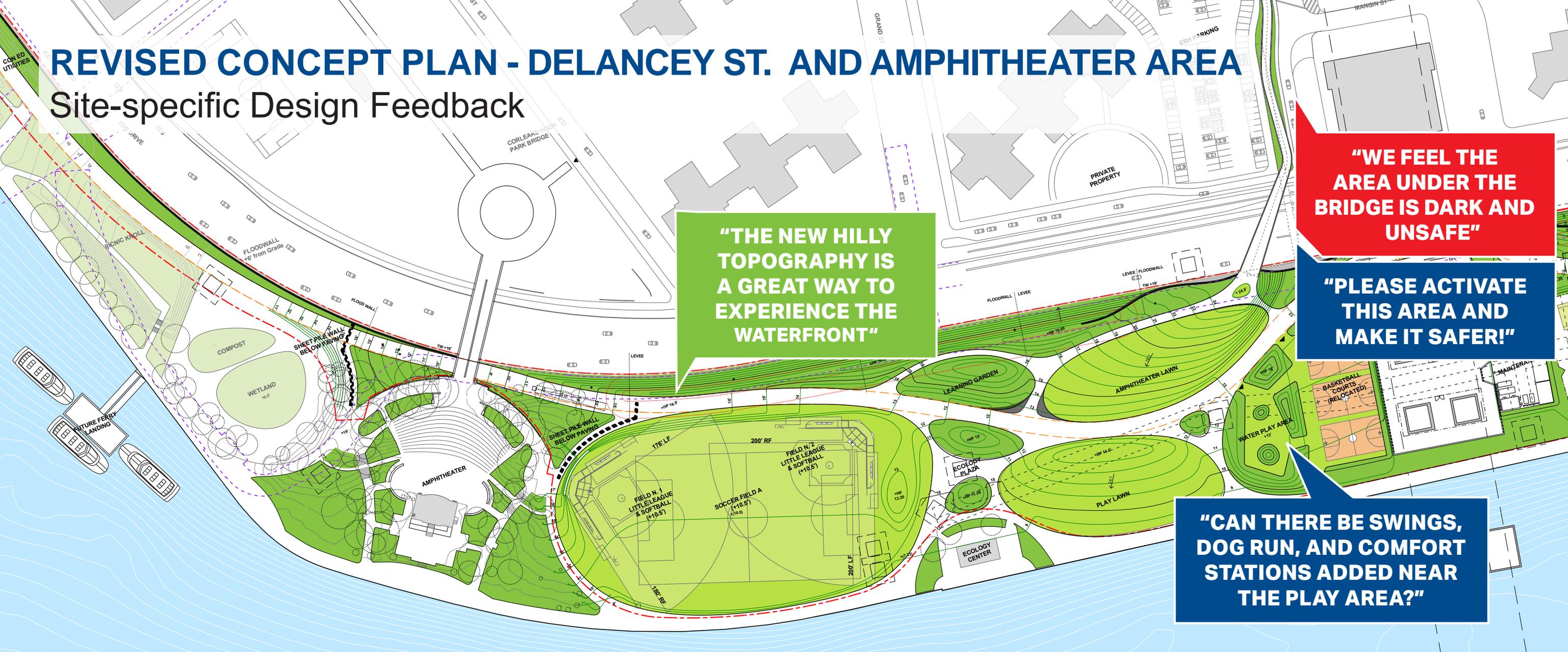
DELANCEY ST. AND AMPHITHEATER AREA



DELANCEY ST. AND AMPHITHEATER AREA

REVISED CONCEPT PLAN - DELANCEY ST. AND AMPHITHEATER AREA

Site-specific Design Feedback



"THE NEW HILLY TOPOGRAPHY IS A GREAT WAY TO EXPERIENCE THE WATERFRONT"

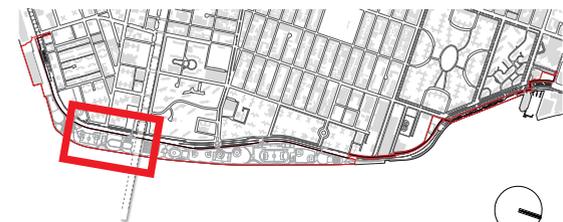
"WE FEEL THE AREA UNDER THE BRIDGE IS DARK AND UNSAFE"

"PLEASE ACTIVATE THIS AREA AND MAKE IT SAFER!"

"CAN THERE BE SWINGS, DOG RUN, AND COMFORT STATIONS ADDED NEAR THE PLAY AREA?"

LEGEND

- | | | | |
|-------------------------------|------------------------|------------|-------------------------------|
| SPORTS FIELD - SYNTHETIC TURF | FLOODWALL | REGULATORS | Critical issues or complaints |
| LAWN AREA | FENCE | | Suggestions |
| PLANTED AREA | CON-ED TUNNEL / TROUGH | | Positive feedback |
| EXISTING TREES | LIMIT OF WORK | | |



PROPOSED CONDITION - DELANCEY STREET BRIDGE



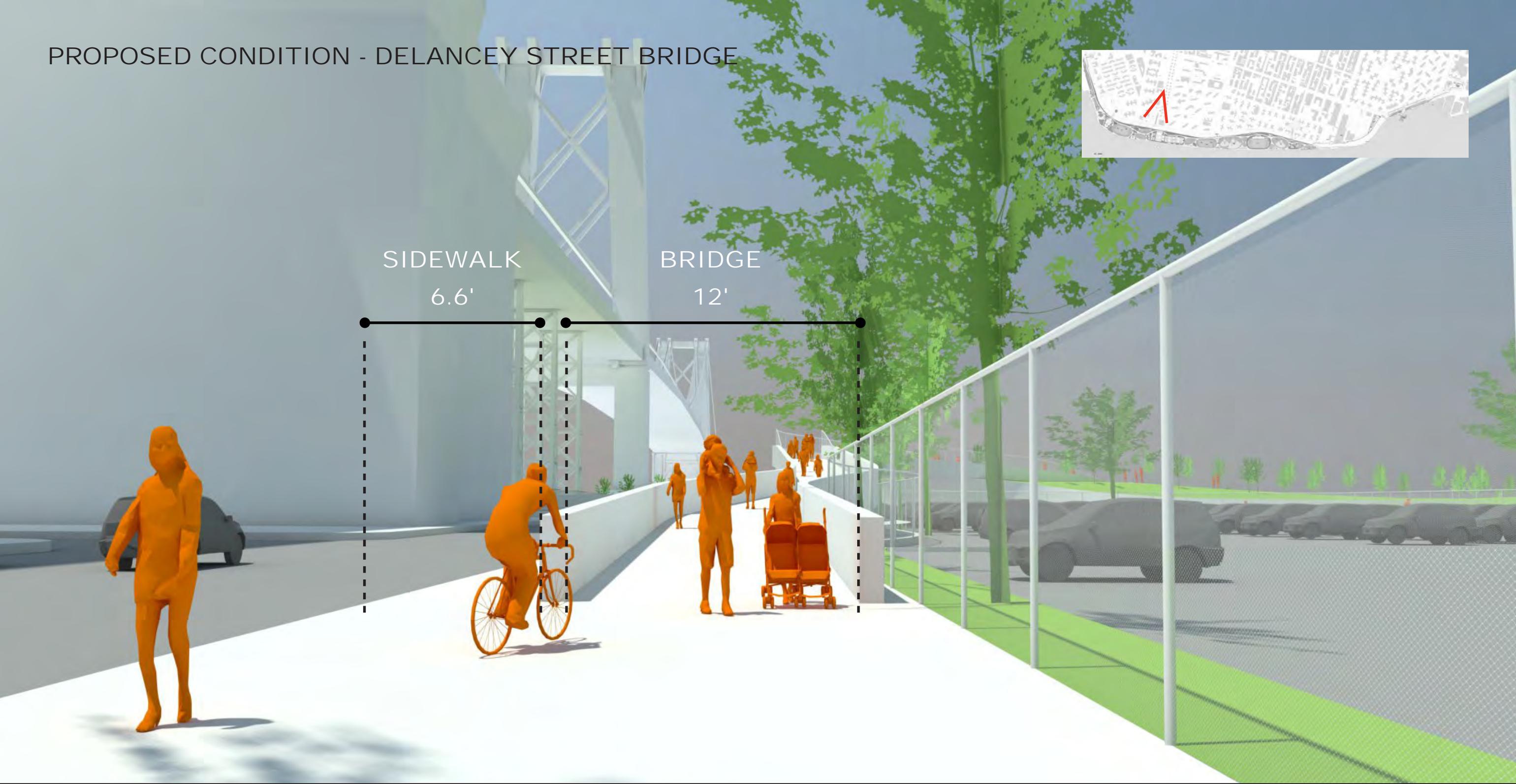
DESIGN UNDER DEVELOPMENT. EXTERIOR CLADDING AND FINISH TO BE STUDIED

PROPOSED CONDITION - DELANCEY STREET BRIDGE



SIDEWALK
6.6'

BRIDGE
12'



PROPOSED CONDITION - DELANCEY STREET ENTRANCE



Note: Rendering depicts condition 15 years post-completion.



PROPOSED CONDITION - DELANCEY STREET ENTRANCE



Note: Rendering depicts condition 15 years post-completion in a storm scenario.



PROPOSED CONDITION - DELANCEY STREET ENTRANCE



Note: Rendering depicts condition 15 years post-completion.



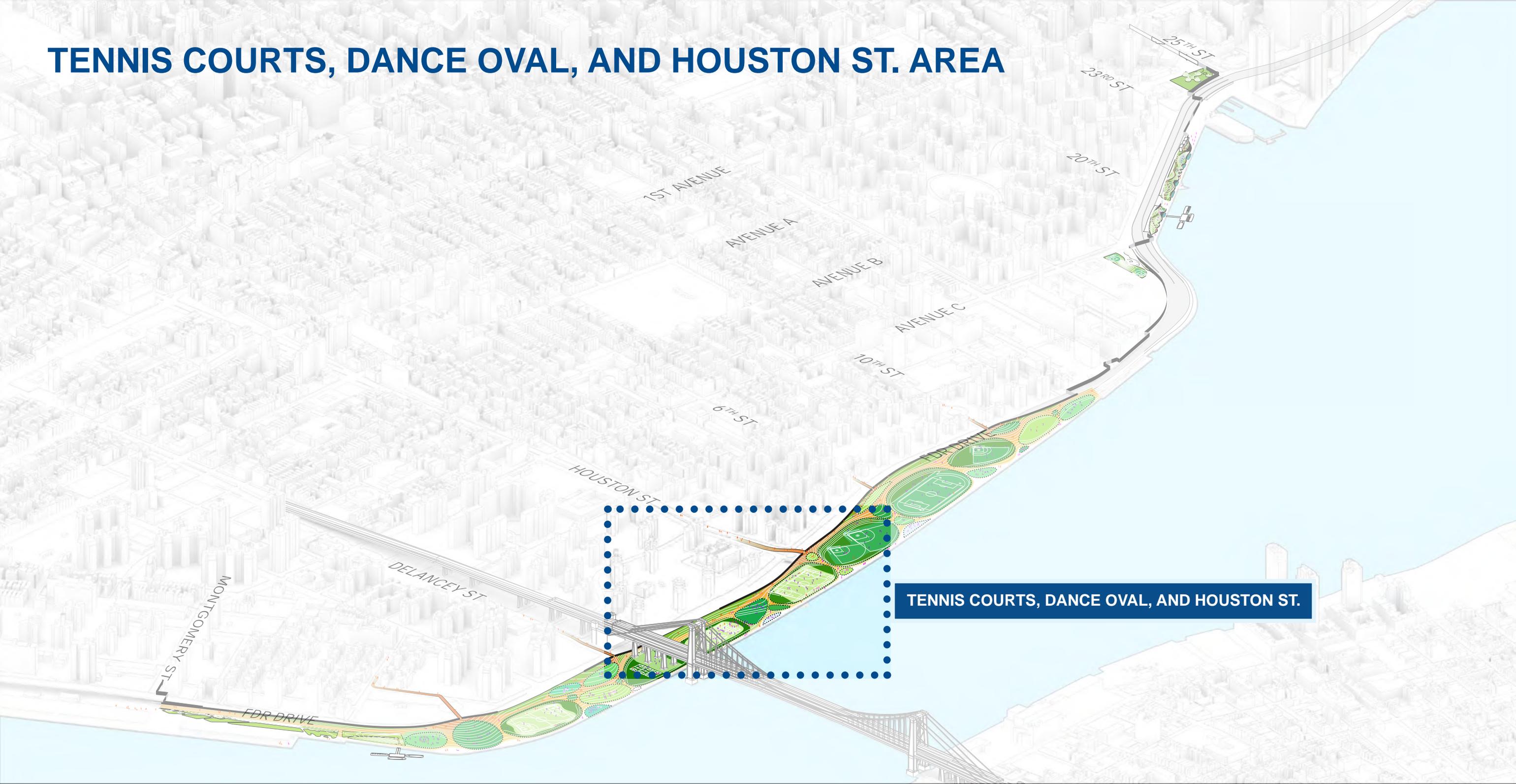
PROPOSED CONDITION SOUTH OF WILLIAMSBURG BRIDGE



Note: Rendering depicts condition 15 years post-completion.



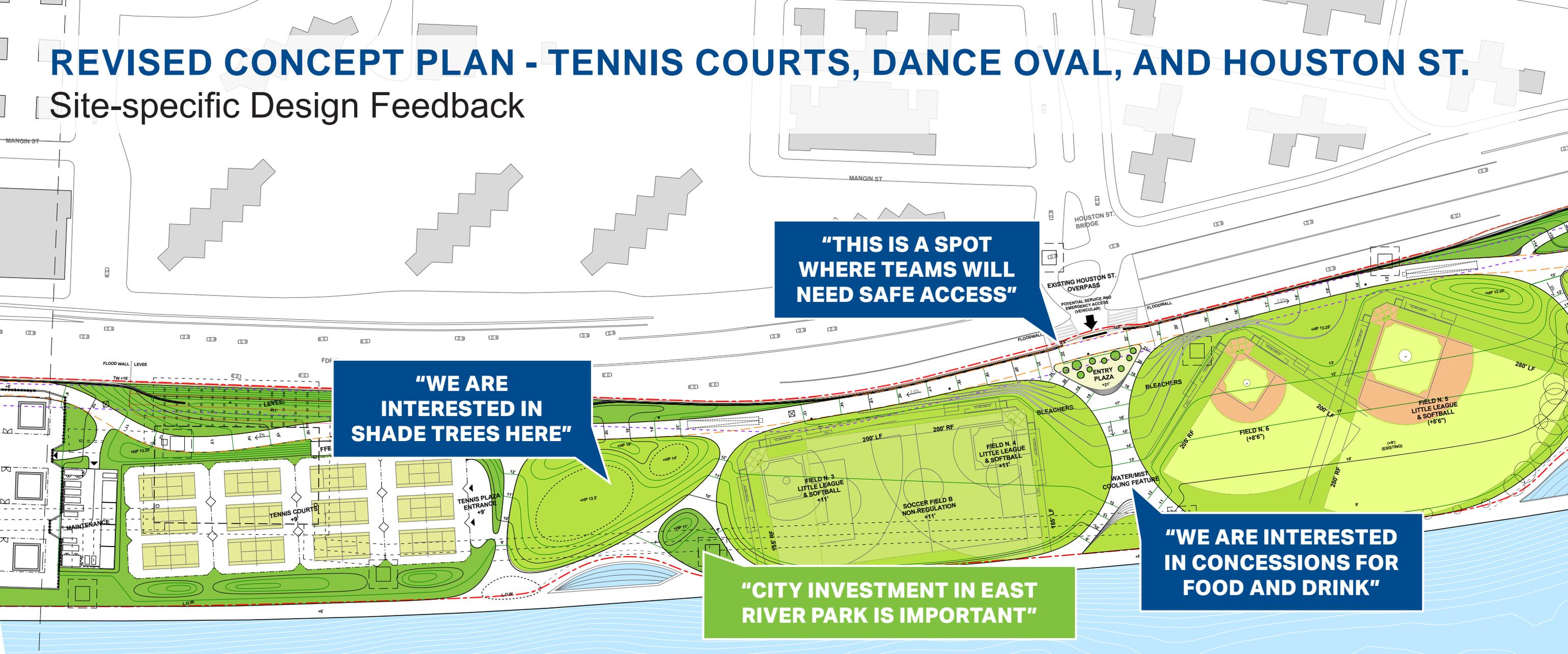
TENNIS COURTS, DANCE OVAL, AND HOUSTON ST. AREA



TENNIS COURTS, DANCE OVAL, AND HOUSTON ST.

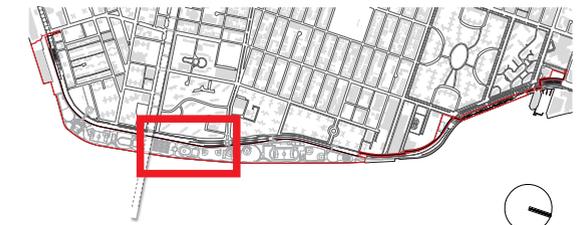
REVISED CONCEPT PLAN - TENNIS COURTS, DANCE OVAL, AND HOUSTON ST.

Site-specific Design Feedback



LEGEND

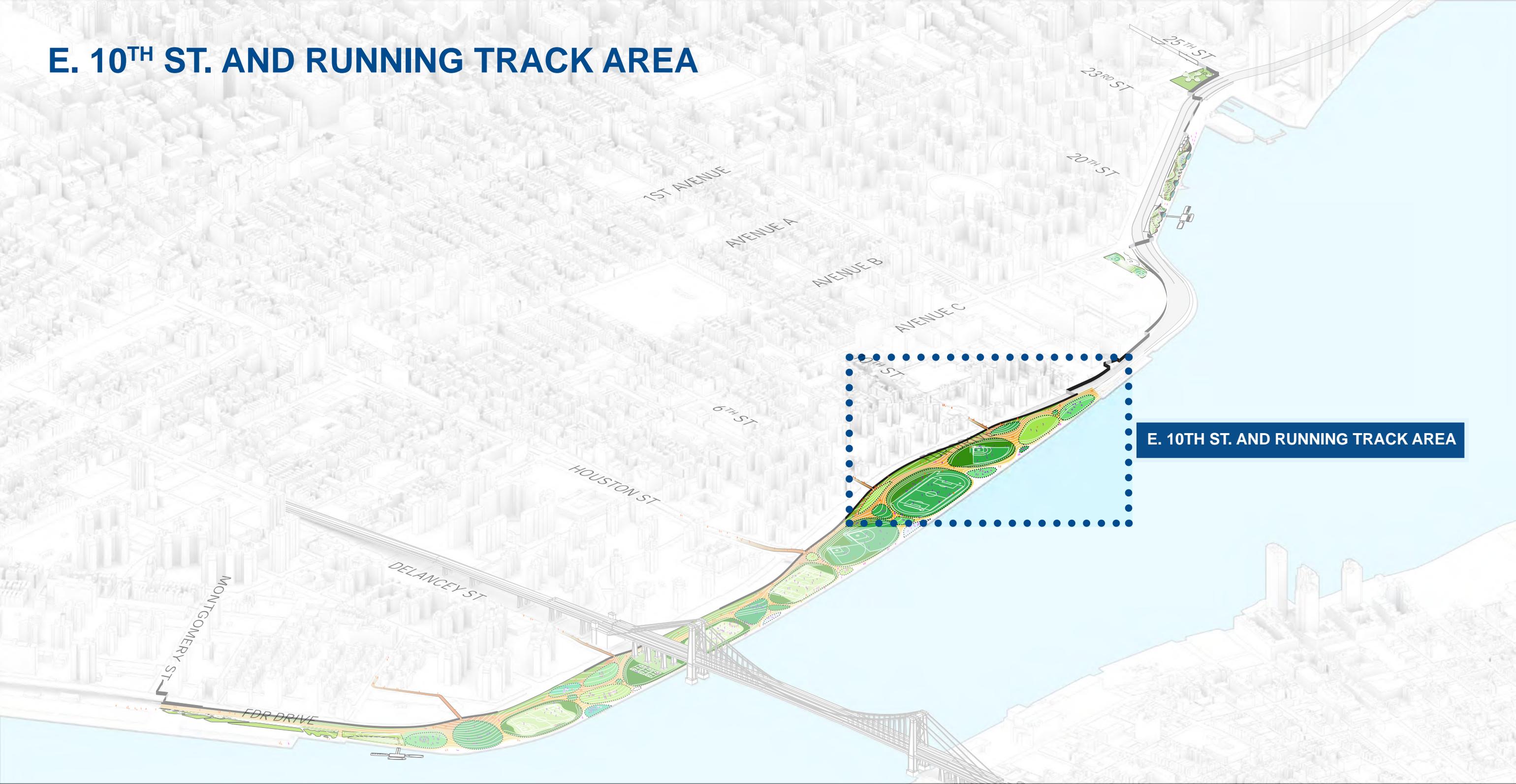
- | | | | |
|-------------------------------|------------------------|------------|-------------------------------|
| SPORTS FIELD - SYNTHETIC TURF | FLOODWALL | REGULATORS | Critical issues or complaints |
| LAWN AREA | FENCE | | Suggestions |
| PLANTED AREA | CON-ED TUNNEL / TROUGH | | Positive feedback |
| EXISTING TREES | LIMIT OF WORK | | |



PROPOSED CONDITIONS - VIEW FROM BARUCH HOUSING GROUND FLOOR



E. 10TH ST. AND RUNNING TRACK AREA



E. 10TH ST. AND RUNNING TRACK AREA

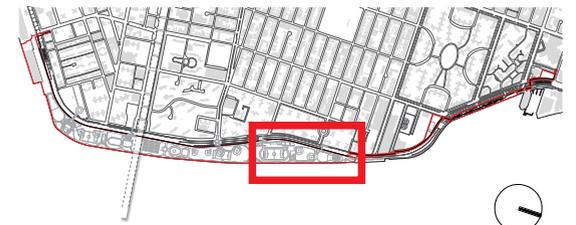
REVISED CONCEPT PLAN - E. 10TH ST. AND RUNNING TRACK AREA

Site-specific Design Feedback



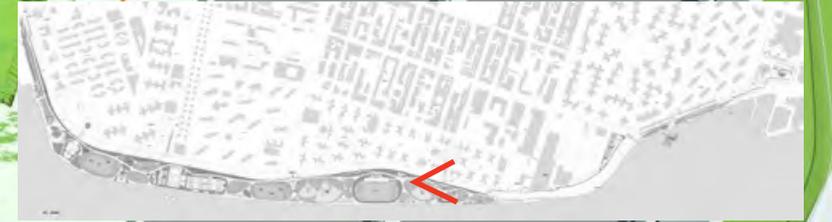
LEGEND

- | | | | |
|-------------------------------|------------------------|------------|-------------------------------|
| SPORTS FIELD - SYNTHETIC TURF | FLOODWALL | REGULATORS | Critical issues or complaints |
| LAWN AREA | FENCE | | Suggestions |
| PLANTED AREA | CON-ED TUNNEL / TROUGH | | Positive feedback |
| EXISTING TREES | LIMIT OF WORK | | |



PROPOSED CONDITIONS - EAST 10TH ST. BRIDGE

DESIGN UNDER DEVELOPMENT.
EXTERIOR CLADDING AND FINISH TO BE STUDIED



FDR CROSSING AND CON EDISON TIE-IN



FDR CROSSING & CON EDISON TIE-IN

FDR DRIVE GATE CROSSING
JULY 2016 CONCEPT DESIGN: GATES OPEN

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



FDR DRIVE GATE CROSSING
JULY 2016 CONCEPT DESIGN: GATES CLOSING

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



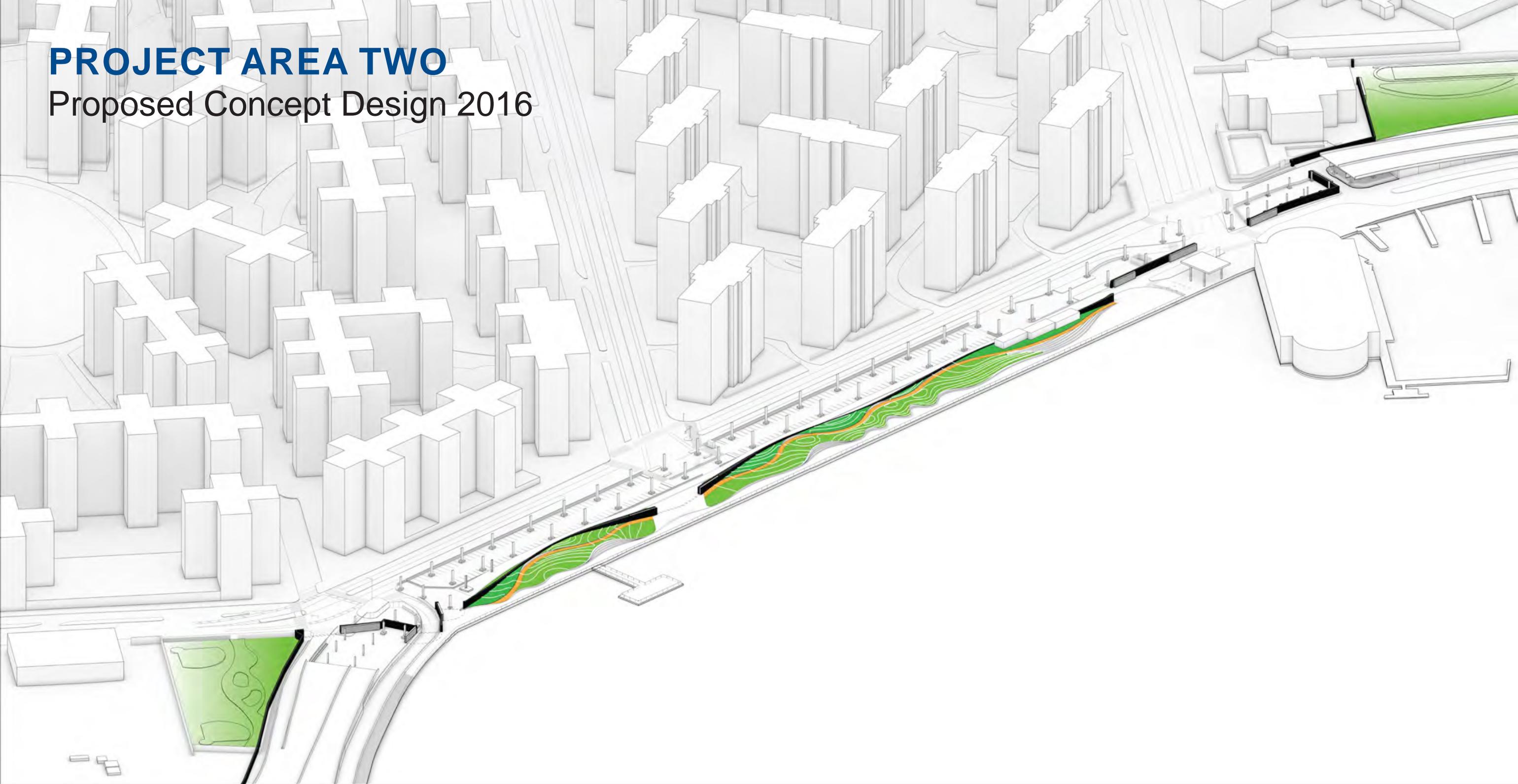
FDR DRIVE GATE CROSSING
JULY 2016 CONCEPT DESIGN: GATES CLOSED

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



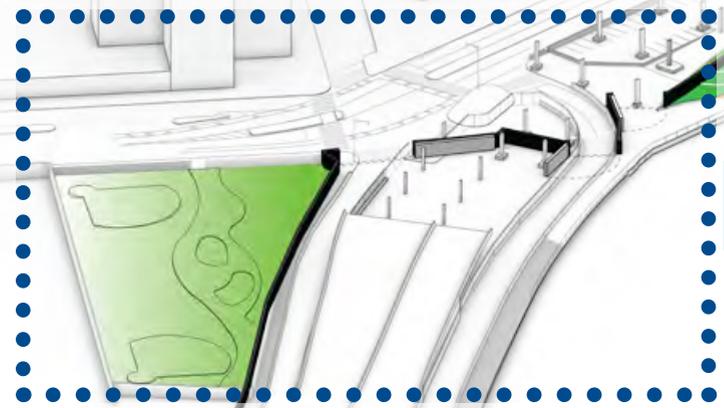
PROJECT AREA TWO

Proposed Concept Design 2016



AVENUE C LOOP

Murphy's Brothers Playground



MURPHY'S BROTHERS PLAYGROUND

MURPHY BROTHERS PLAYGROUND

First Public Input Session - November 14th, 2016

• Multi-generational space
 • Shady seating → space for seniors!
 • place-making
 • Swings!
 • St. Vartan Park - good example
 • rotate ballfield

Programming suggestions:



Skateboard Area



Comfort Station



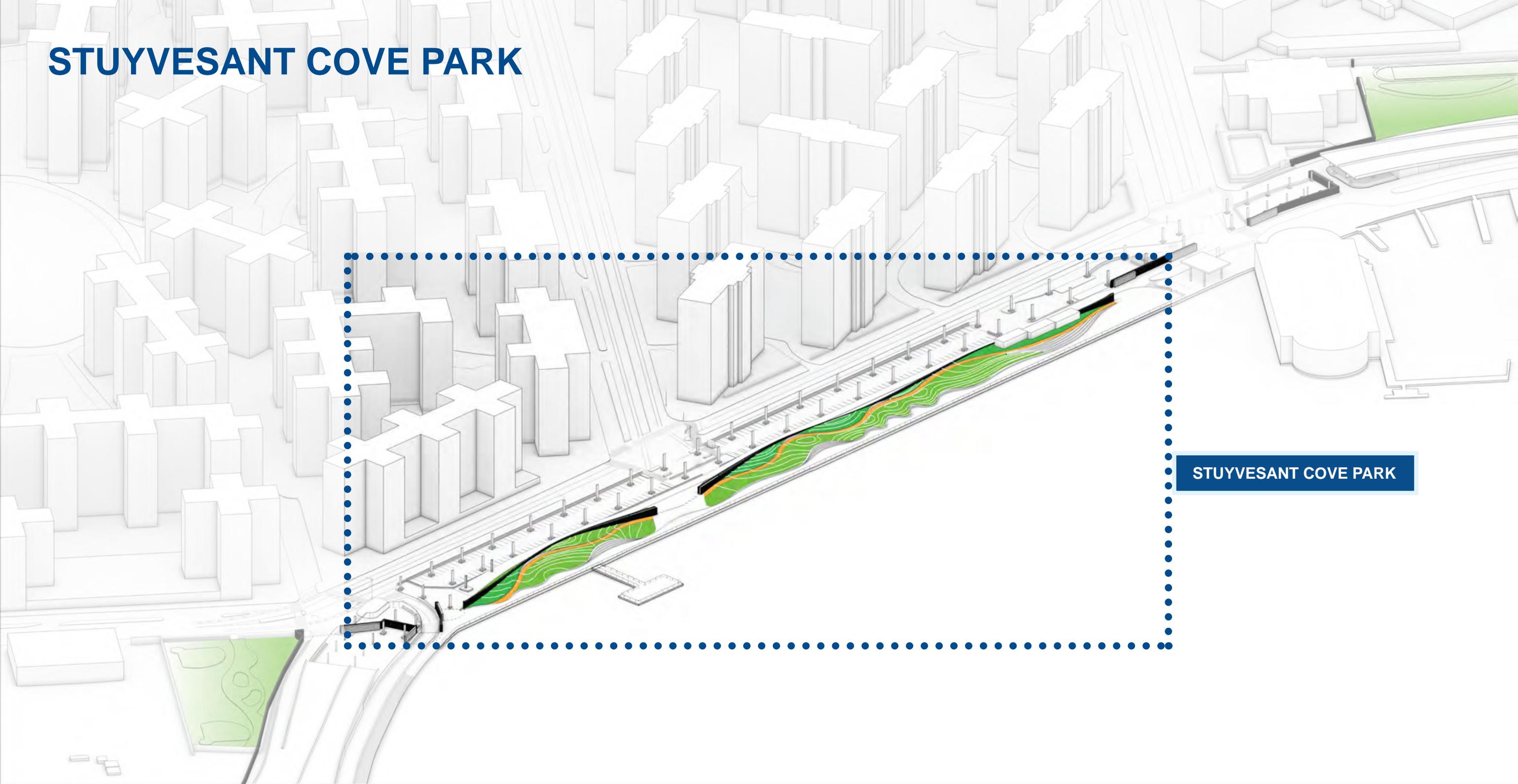
Dog Run



Senior Programming



STUYVESANT COVE PARK



STUYVESANT COVE PARK

FINAL CONCEPT DESIGN (2016)

Stuyvesant Cove Park: Community Feedback

"LIGHTING SHOULD BE IMPROVED UNDER THE FDR AND FOR THE PEDESTRIAN CROSSINGS"

"PLEASE IMPROVE THE DESIGN AND SAFETY OF THE 20TH ST ENTRANCE"

"ONCE YOU GET IN TO THE PARK, THE NEW DESIGN IS GREAT"

"STORAGE NEEDS TO BE CONSIDERED"

"A MEANDERING PROMENADE PATH MAY BE SAFER FOR PEDESTRIANS"

"WE WOULD LIKE MORE SHADE TREES"

"THE COORDINATION WITH SOLAR ONE IS IMPORTANT"

- Critical issues or complaints
- Suggestions
- Positive feedback



STUYVESANT COVE PARK JULY 2016 CONCEPT DESIGN: DAILY CONDITION

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



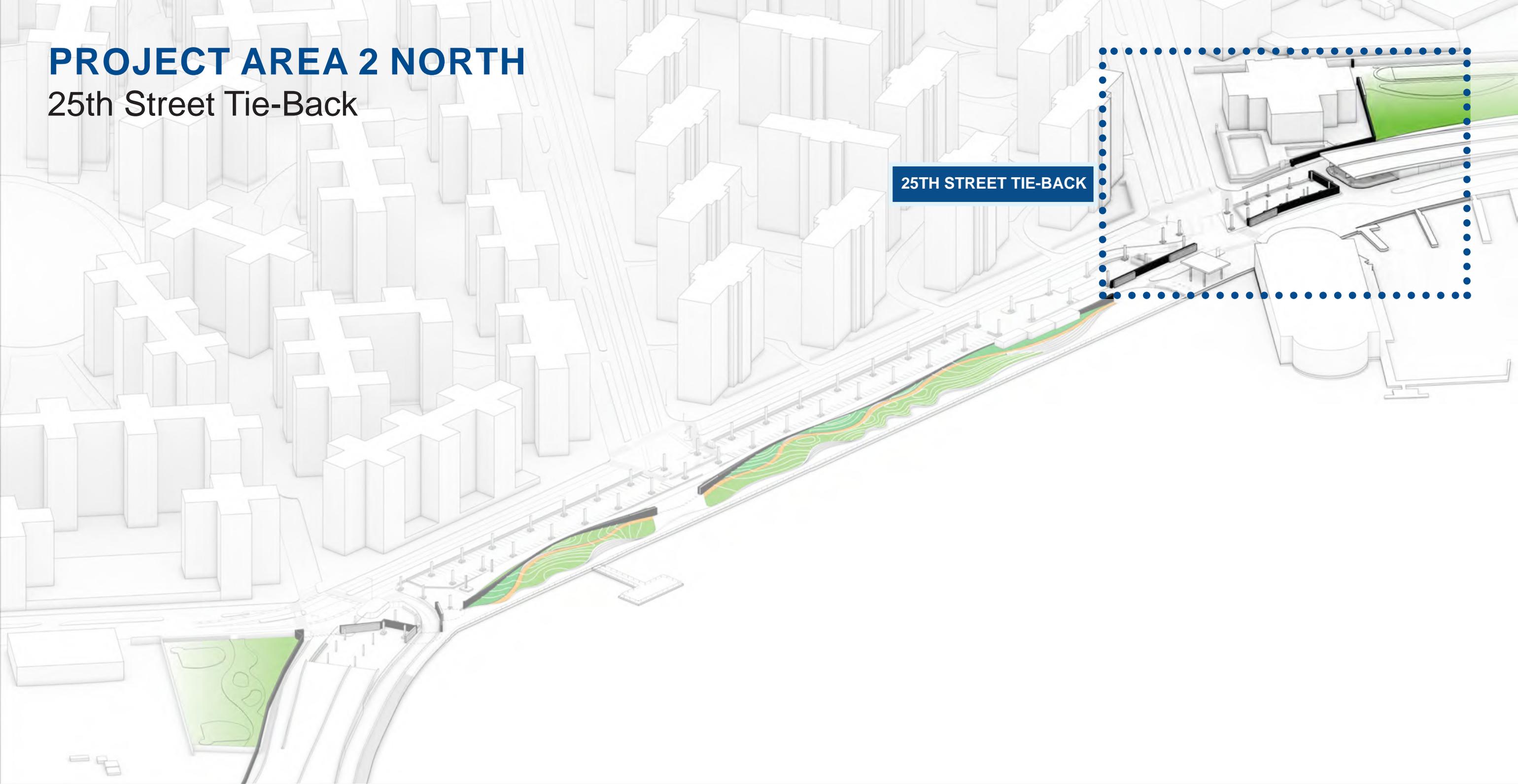
STUYVESANT COVE PARK
JULY 2016 CONCEPT DESIGN: DURING FLOOD EVENT

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



PROJECT AREA 2 NORTH

25th Street Tie-Back



25TH STREET TIE-BACK

23RD STREET & AVENUE C
EXISTING CONDITION

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN

Asser Levy

FDR Off-ramp

Existing
Traffic
Barriers

BP Gas
Station

23RD STREET & AVENUE C
EXISTING CONDITION

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



Asser Levy

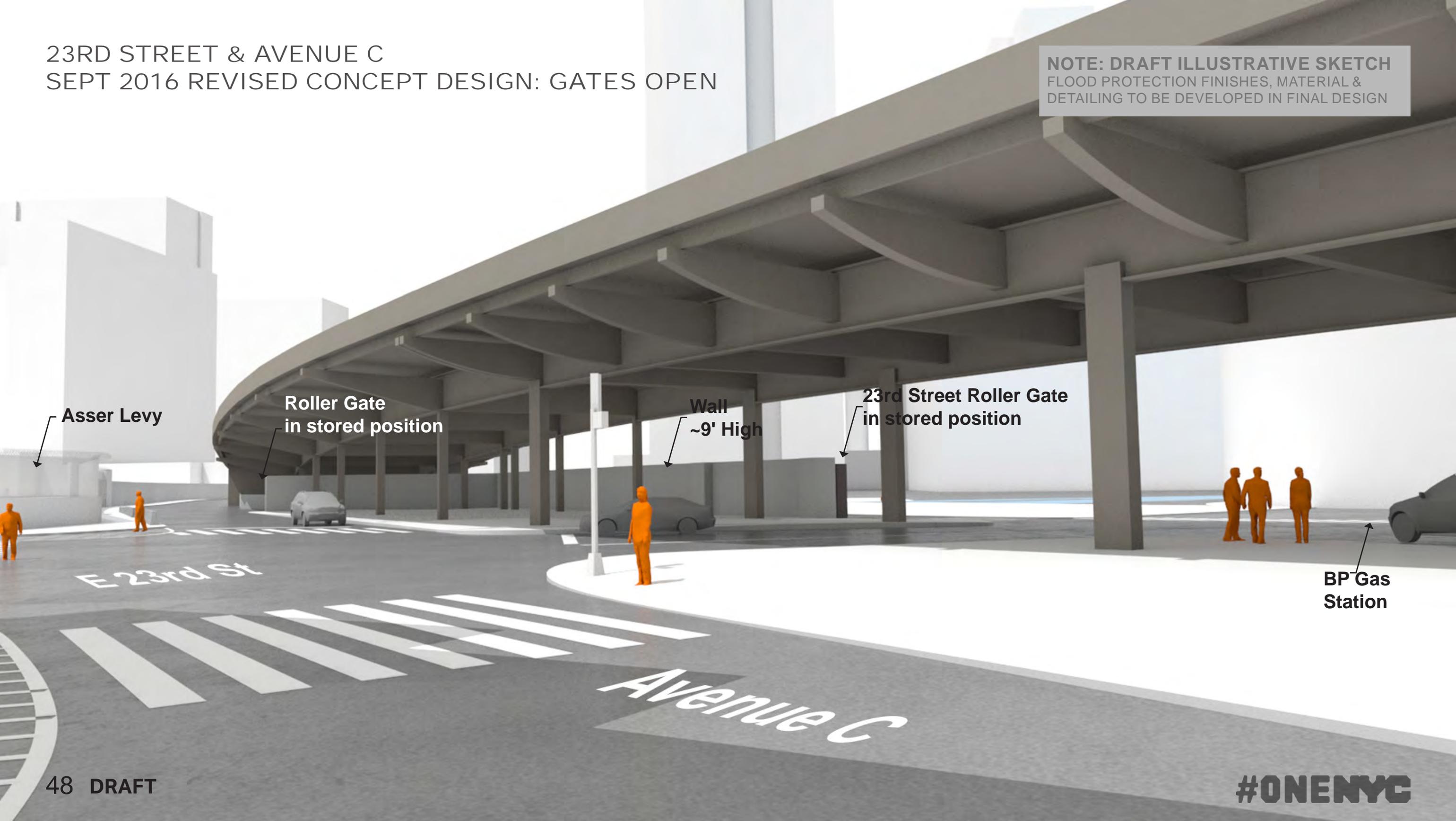
FDR Off-ramp

Existing
Traffic
Barriers

BP Gas
Station

23RD STREET & AVENUE C
SEPT 2016 REVISED CONCEPT DESIGN: GATES OPEN

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



Asser Levy

Roller Gate
in stored position

Wall
~9' High

23rd Street Roller Gate
in stored position

BP Gas
Station

23RD STREET & AVENUE C
SEPT 2016 REVISED CONCEPT DESIGN: GATES CLOSED

NOTE: DRAFT ILLUSTRATIVE SKETCH
FLOOD PROTECTION FINISHES, MATERIAL &
DETAILING TO BE DEVELOPED IN FINAL DESIGN



Roller Gate in place

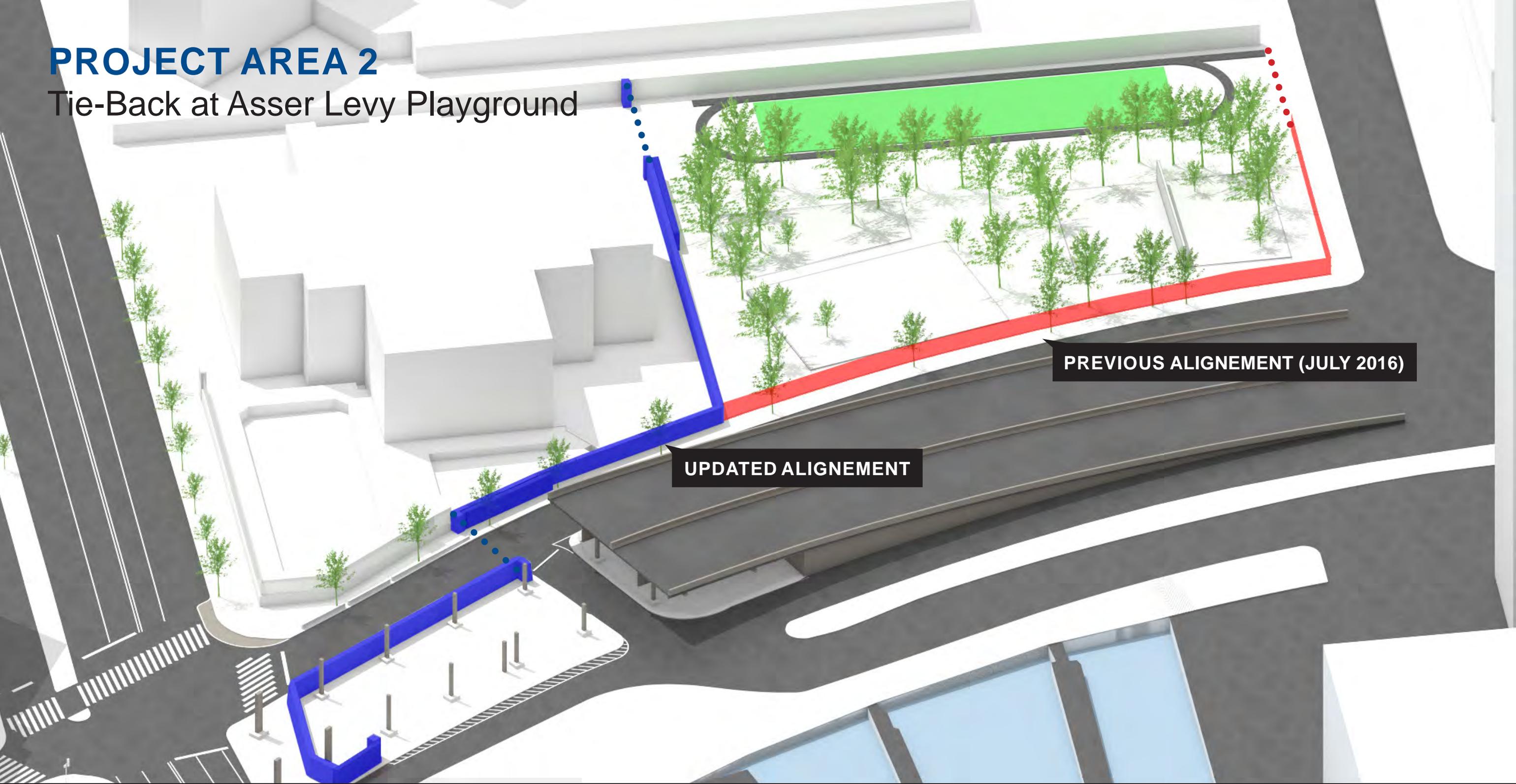
Wall
~9' High

23rd Street Roller
Gates in place

FDR Off-ramp

PROJECT AREA 2

Tie-Back at Asser Levy Playground



PREVIOUS ALIGNMENT (JULY 2016)

UPDATED ALIGNMENT

ASSER LEVY PLAYGROUND

First Public Input Session - November 14th, 2016

GARDEN BEDS
 DECORATIVE LIGHTING
 ALL SEASONS - PROGRAM
 EXERCISE EQUIPMENT
 ENHANCE CIRCULATION

Programming suggestions:



Skateboard Area



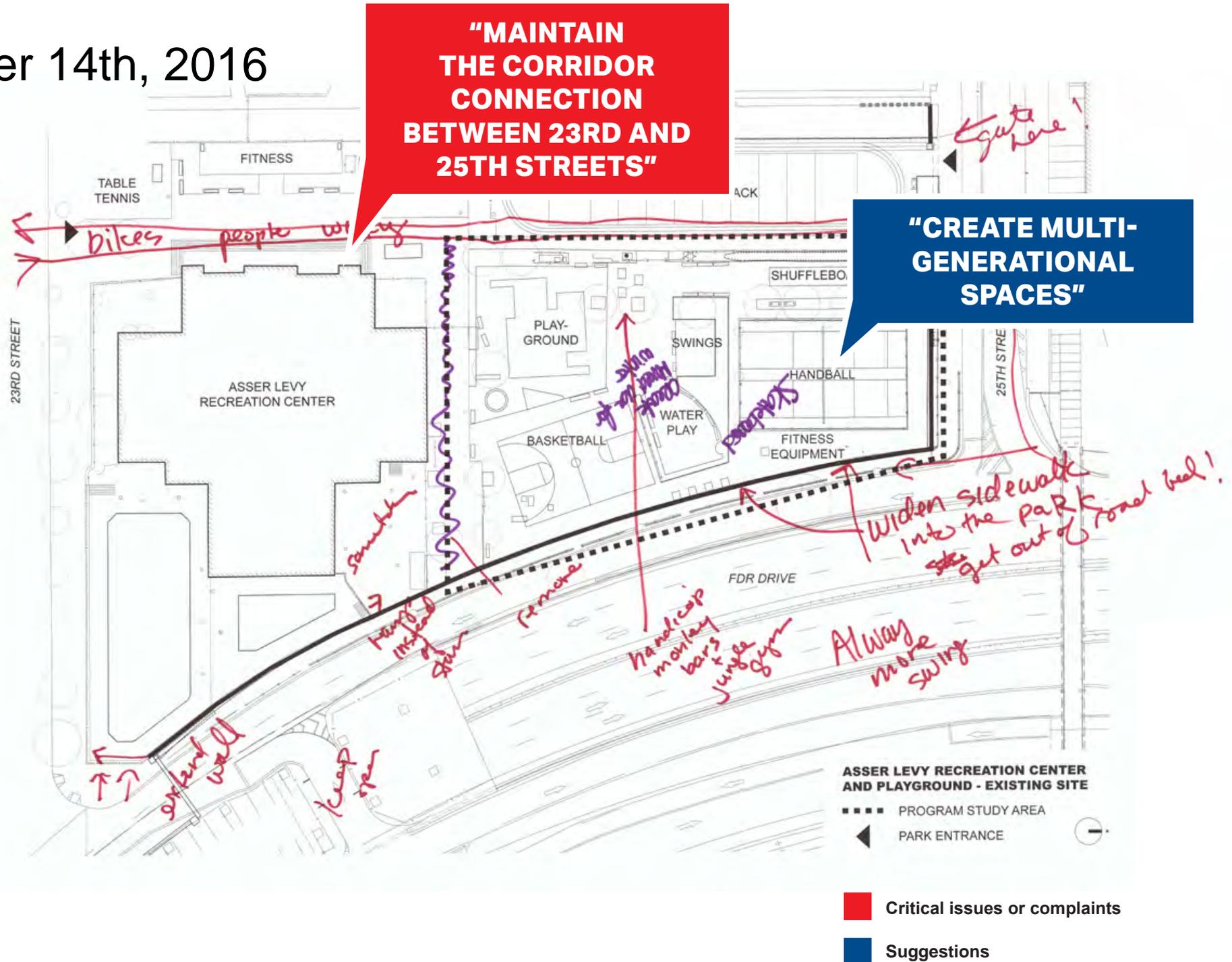
Accessible Features



Water Play



Senior Programming



EAST SIDE COASTAL RESILIENCY
CB3/CB6 JOINT WATERFRONT TASK FORCE
January 31st, 2017

1. Project Status
2. Design Update
- 3. Next Steps**

ESCR NEXT STEPS

Project Progress



- 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

COMMUNITY ENGAGEMENT

Look Ahead

Asser Levy and Murphy Brothers Playgrounds Public Input

February 16th 2017, 6:30PM

VA Medical Center: 423 East 23rd Street - ATRIUM (East of 1st Avenue)

Community Board Meeting(s) – Related to PDC Design Review

Late-Winter/Early-Spring (Date/Time/Location, TBD)

CB3/CB6 Waterfront Task Force Meeting

Spring 2017 (Date/Time/Location, TBD)

Ongoing Stakeholder Outreach/Meetings

Winter/Spring 2017 (Date/Time/Location, TBD)

Action Plan Amendment hearing

Date/Time/Location, TBD

EIS Hearing/ ULURP

Date/Time/Location, TBD

HOW WILL COMMUNITY ENGAGEMENT BE DIFFERENT IN 2017?

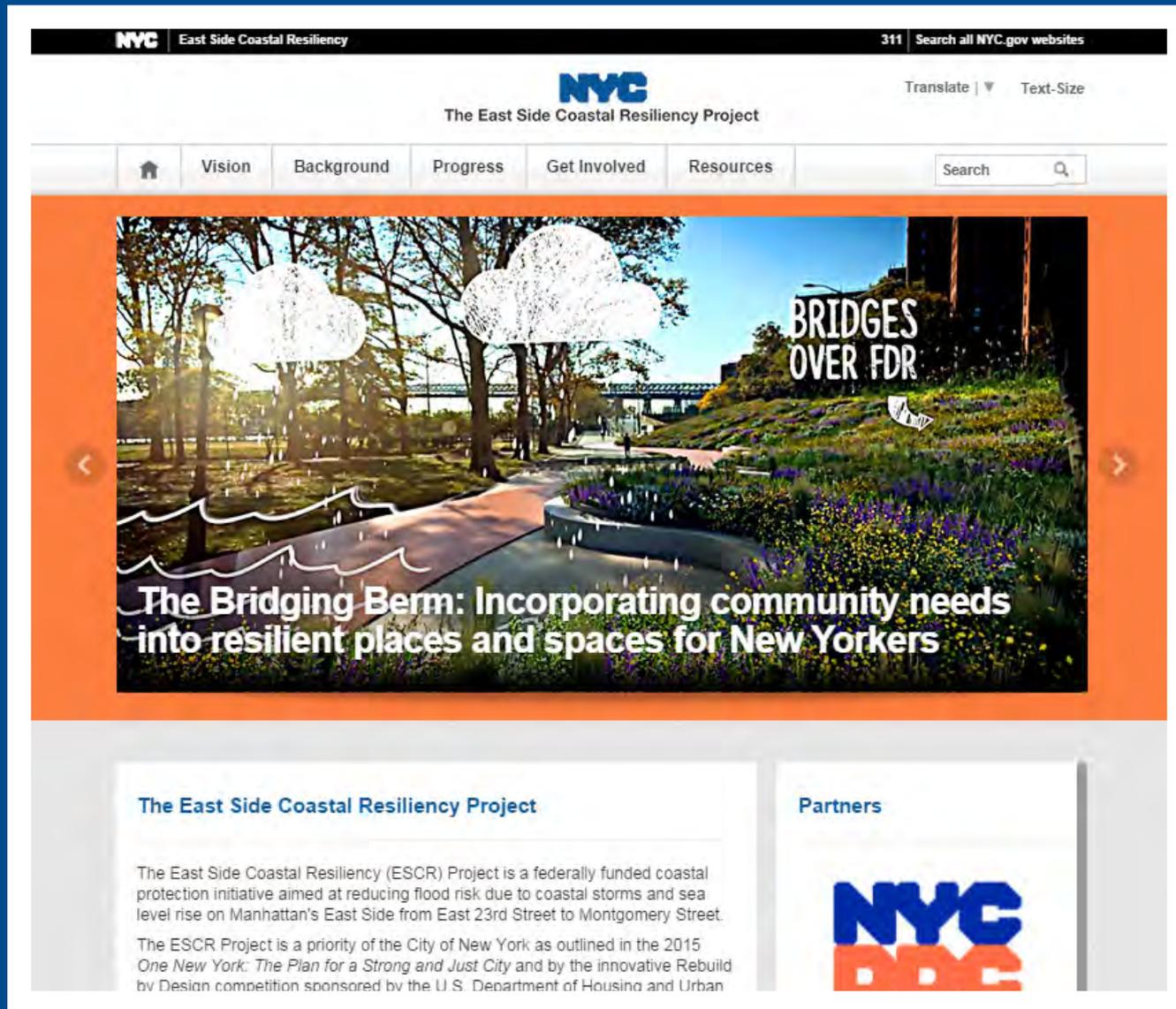
New Phase of The Project Means New Phase of Community Engagement!

Feedback From 2016 Workshops

- Good comprehensive overview with a lot of information, but...
- The presentations were very long
- Limited interactivity for residents
- Engagement of additional stakeholders and Park users is needed

Ideas For 2017 Workshops

- Shorter general presentations, focused on updates
- Break into Focus Groups by local geographic area
- Science Fair-style tables with focused discussions on different topics of interest (flood protection, walls, park landscape, playgrounds, etc.)
- Other ideas?



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