

A young boy with brown hair, wearing a white t-shirt and patterned shorts, is running barefoot across a lush green lawn. He is smiling and looking towards the left. In the background, a dense line of tall city buildings is visible under a bright, slightly hazy sky. Other people are scattered across the lawn, some sitting and some standing. The overall atmosphere is one of a sunny day in a park.

#ONENYC

Our Resilient City

East Side Coastal Resiliency Project
September 10th, 2015 - Project Area 1

Community Design Workshop

Project Area One - East River Park

- 1. Project Goals Re-Cap**
- 2. Project Schedule**
- 3. Progress of Technical Studies**
- 4. Community Feedback and Design Studies**
- 5. Frequently Asked Questions / Q+A**
- 6. Table Activity and Report Back**

PROJECT GOALS RE-CAP

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



THE EAST SIDE

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



WHAT HAPPENED DURING SANDY?

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

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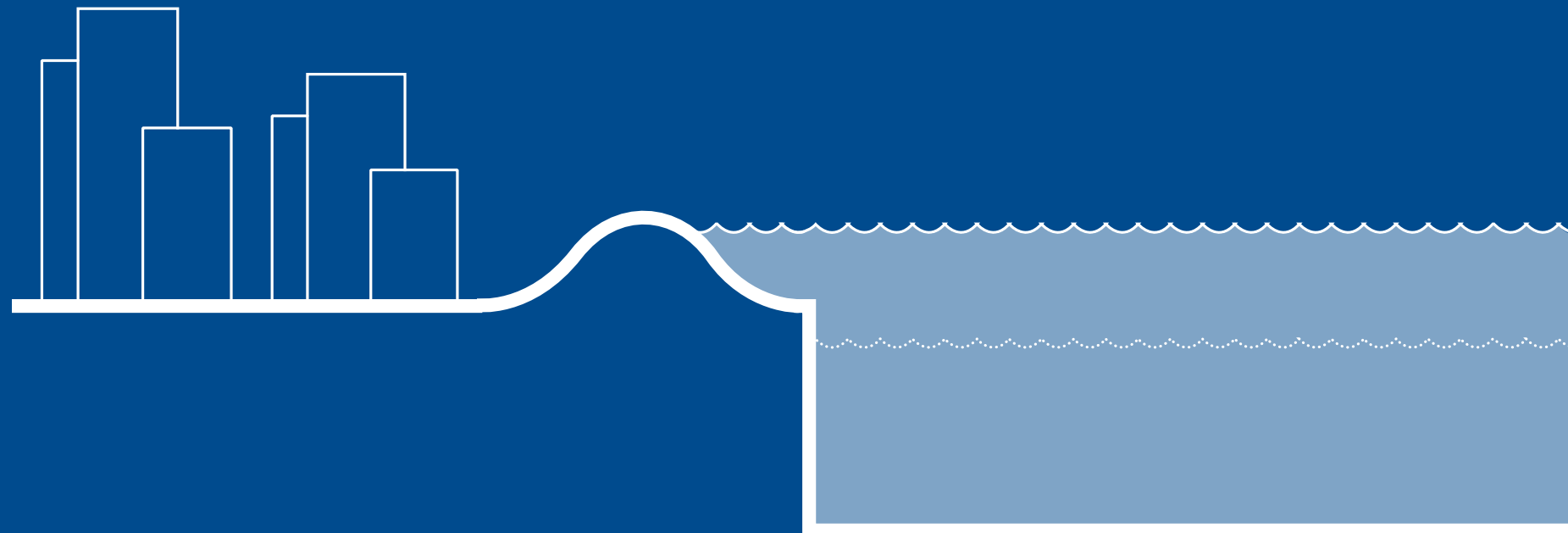


BARRIER

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

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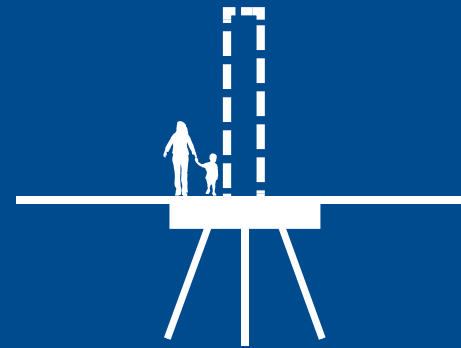


FLOOD PROTECTION

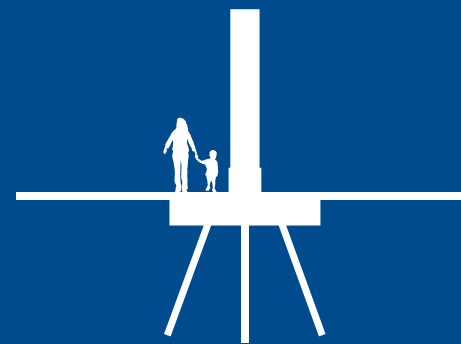
NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

TYPES OF FLOOD MITIGATION

Options for resiliency have varying forms and levels of reliability: from wide and passive earthen levees to narrow and even removable flood walls and deployable elements.



DEPLOYABLE



FLOOD WALL



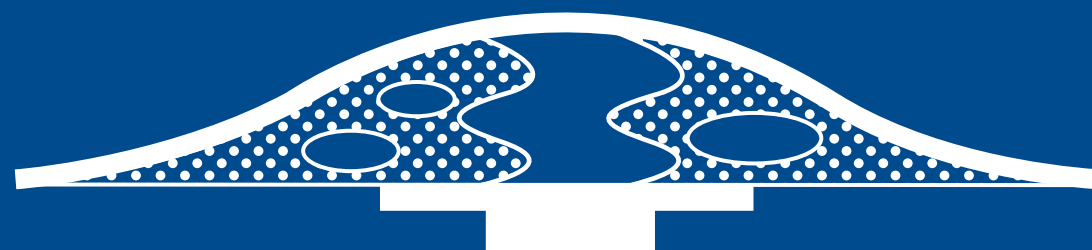
BERM / LEVEE

SOCIAL INFRASTRUCTURE

How can resiliency infrastructure double as places and spaces for people?



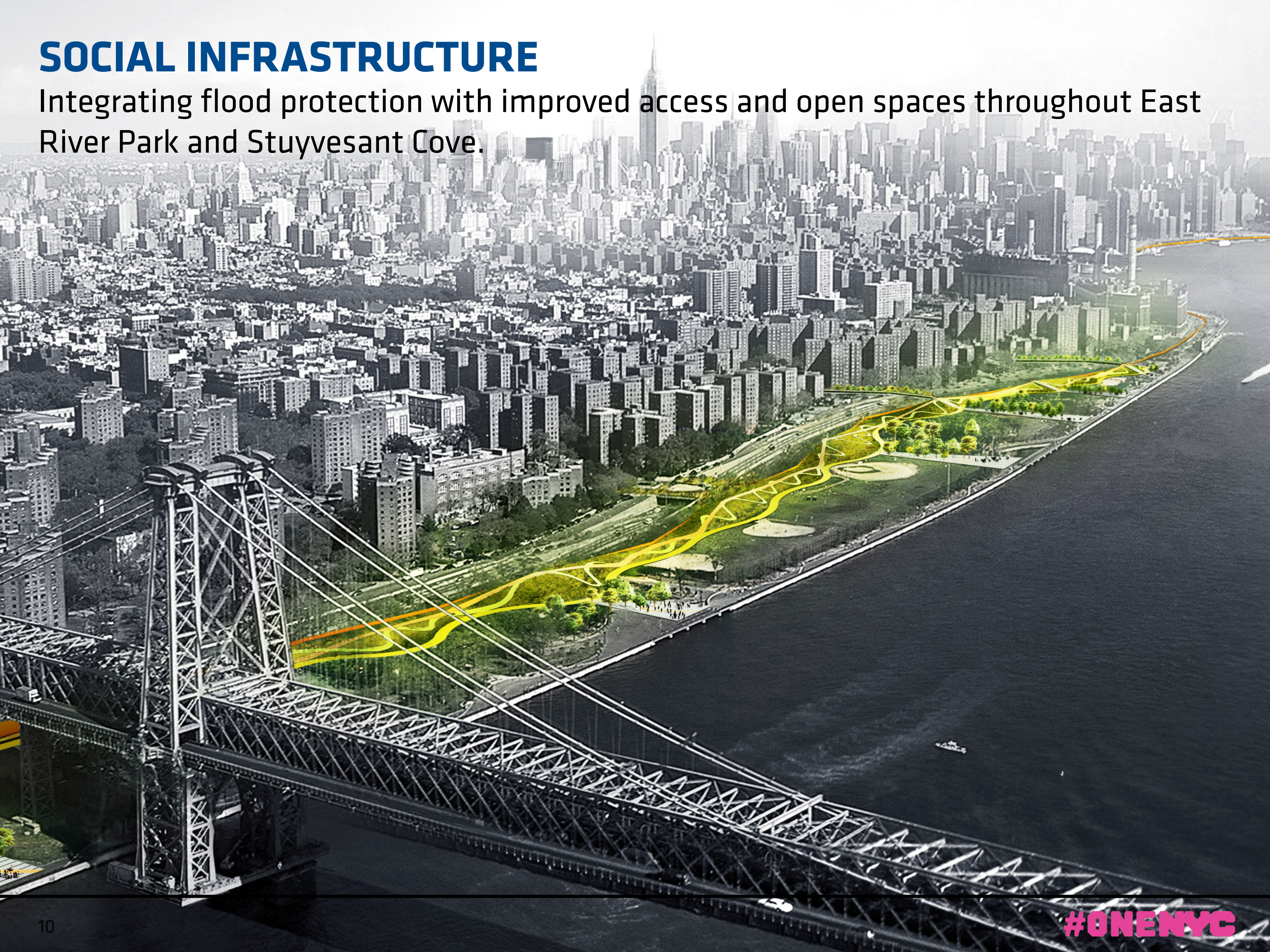
 PEOPLE



 RESILIENCY
INFRASTRUCTURE

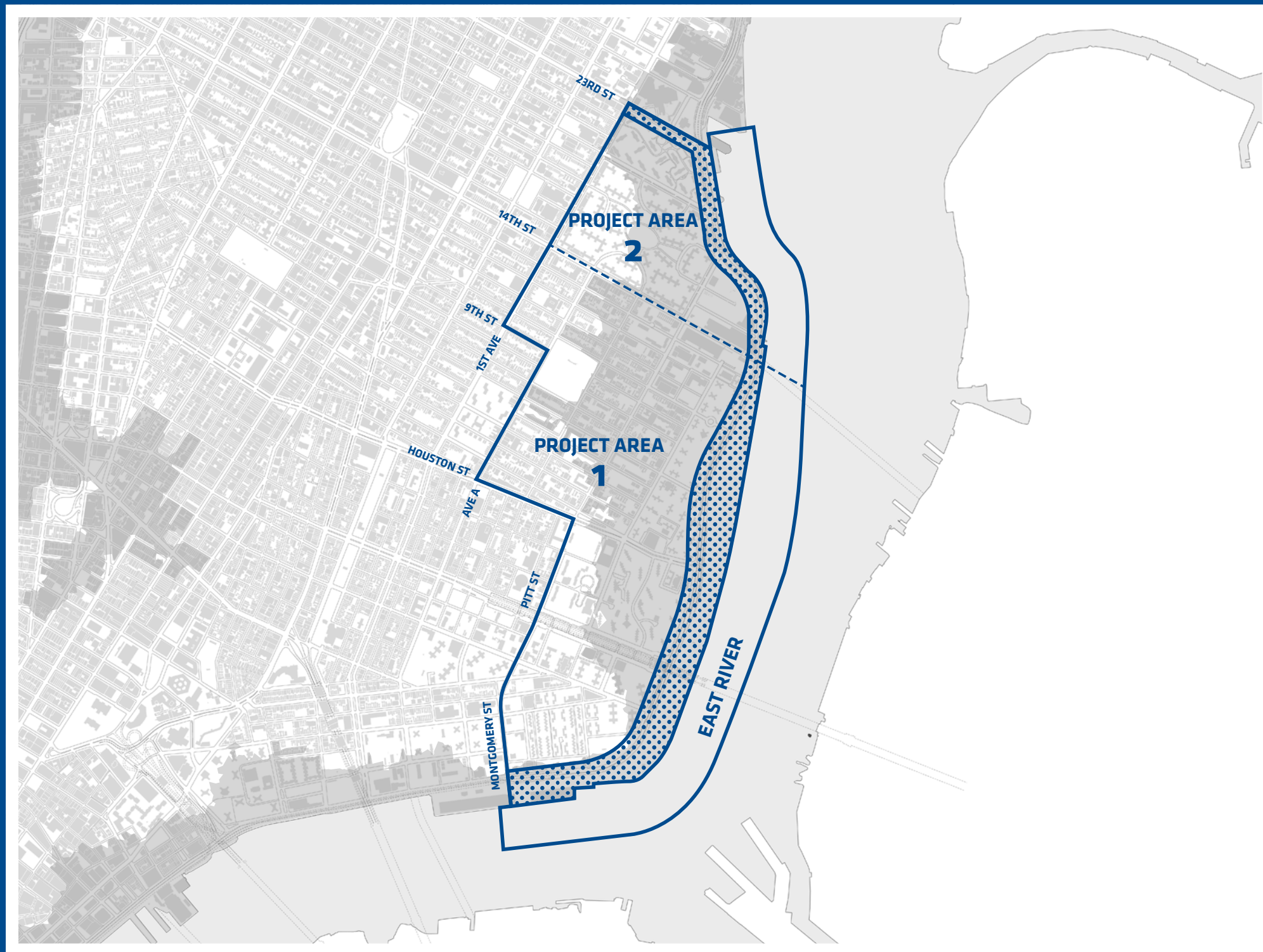
SOCIAL INFRASTRUCTURE

Integrating flood protection with improved access and open spaces throughout East River Park and Stuyvesant Cove.

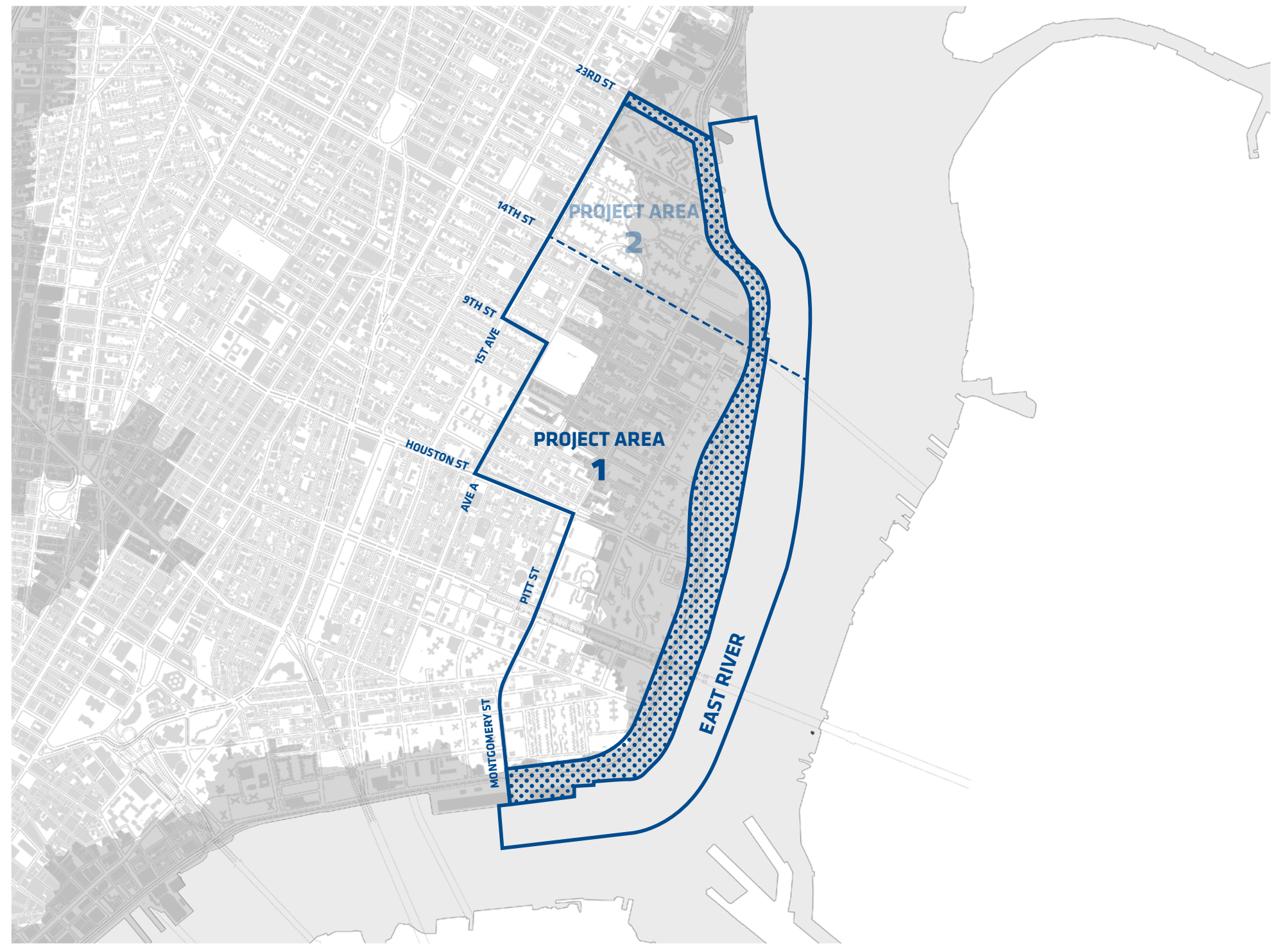


ESCR PROJECT SCOPE

A \$335 million project to implement coastal protection from Montgomery Street to East 23rd Street.



PROJECT AREA 1 - EAST RIVER PARK

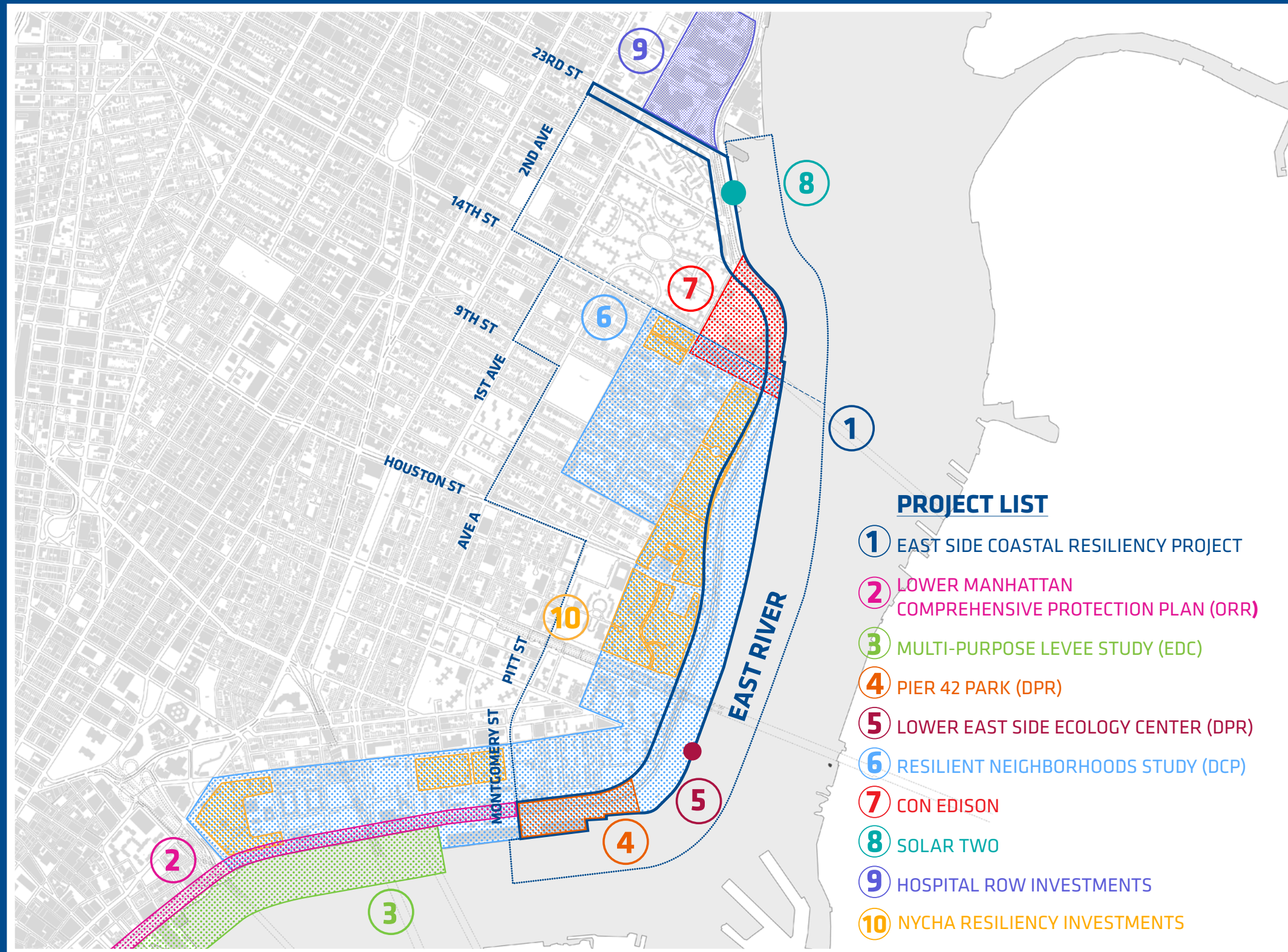


EAST RIVER PARK GOALS AND CHALLENGES:

- PROVIDE ROBUST FLOOD-RISK MITIGATION
- MAINTAIN EXISTING RECREATIONAL USES
- STRENGTHEN CONNECTIONS AND ACCESS TO EAST RIVER PARK
- ENHANCE OPEN SPACE AND ECOLOGY OF THE AREA

COMPLEMENTARY INITIATIVES

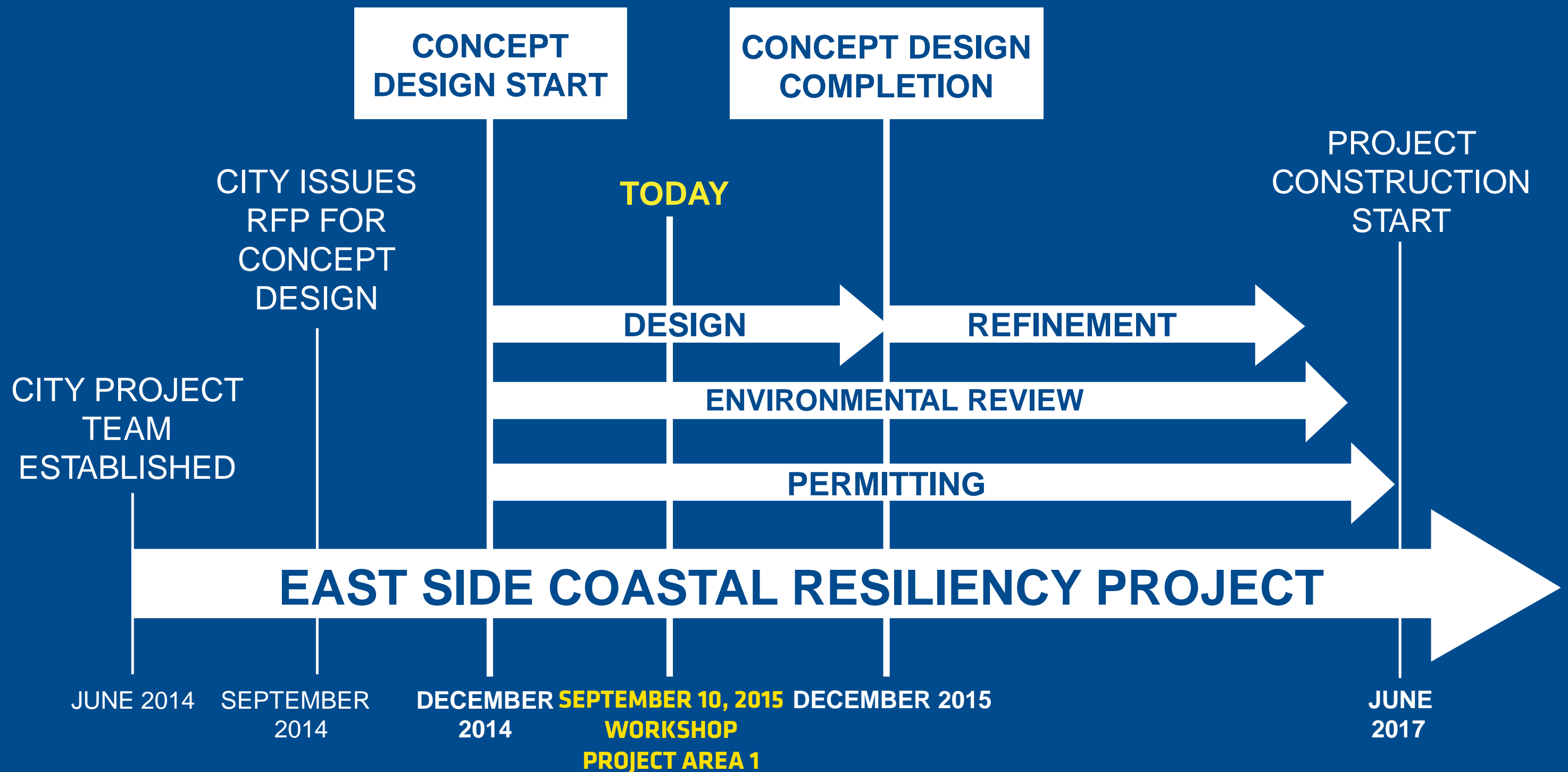
The ESCR Project will be coordinated with other initiatives in the area. City and State funds will be used to advance planning south of Montgomery St.



PROJECT SCHEDULE

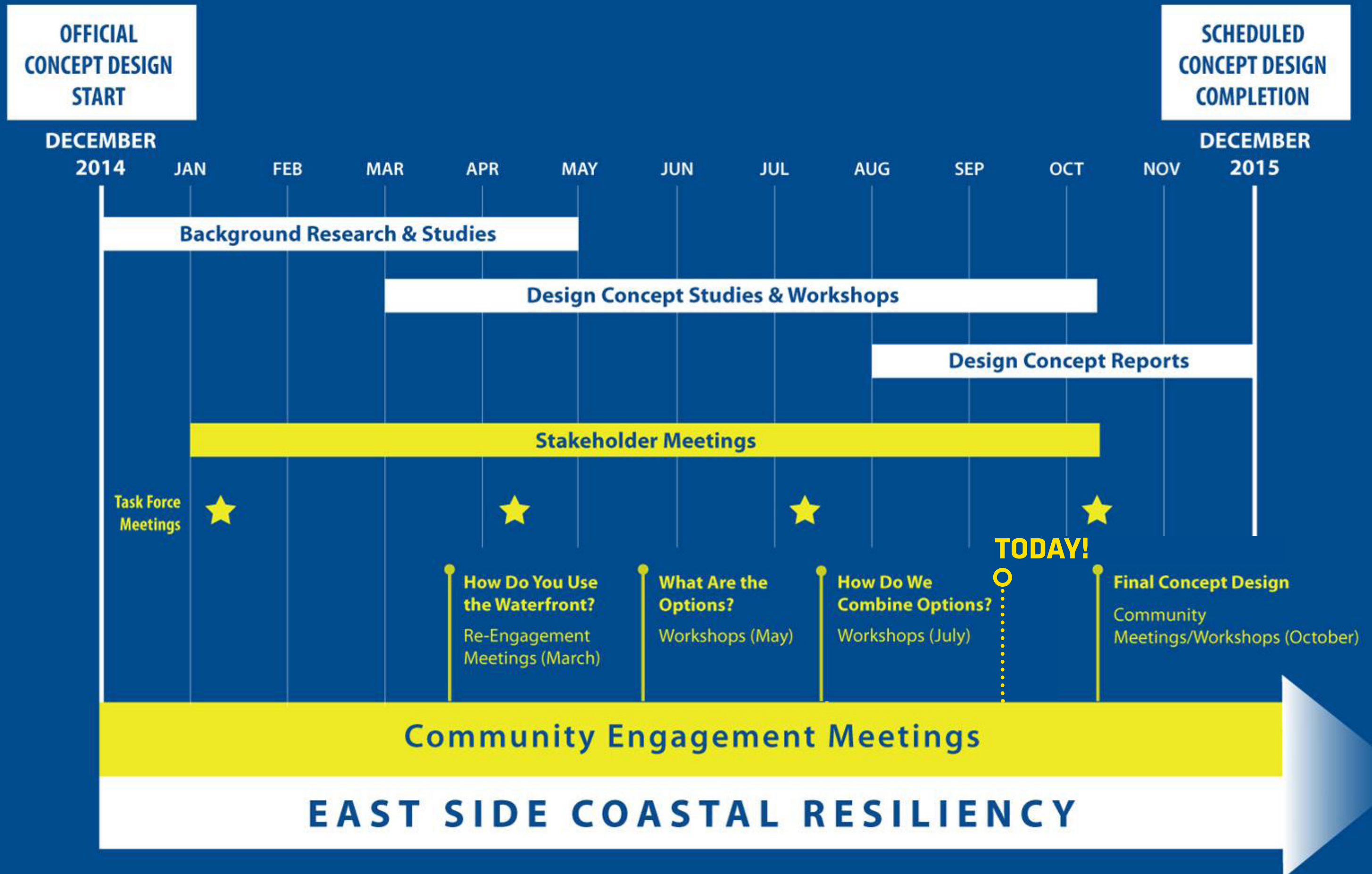
PROJECT TIMELINE

The ESCR Project has an ambitious timeline, now at approximately 2/3 of the way through Concept Design. Construction commencement is anticipated in mid-2017.



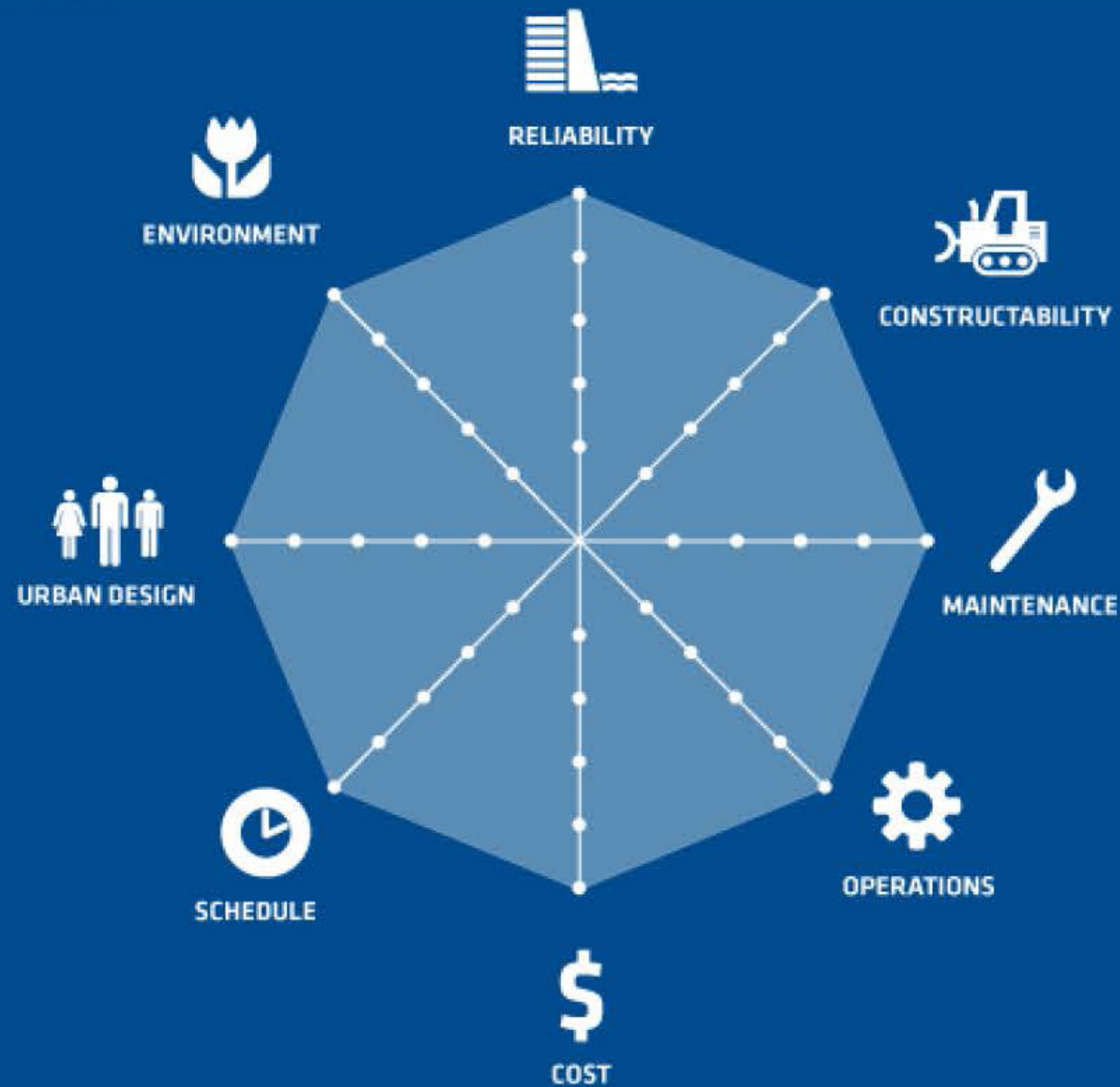
ESCR CONCEPT DESIGN TIMELINE

Project Design Work & Community Engagement - Where are we now?



EVALUATION CRITERIA

Each alternative will be evaluated for eight different criteria.



8 CRITERIA

PROGRESS OF TECHNICAL STUDIES

EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

Sewer Investigations

95% - 100%
APRIL SEPTMEBER



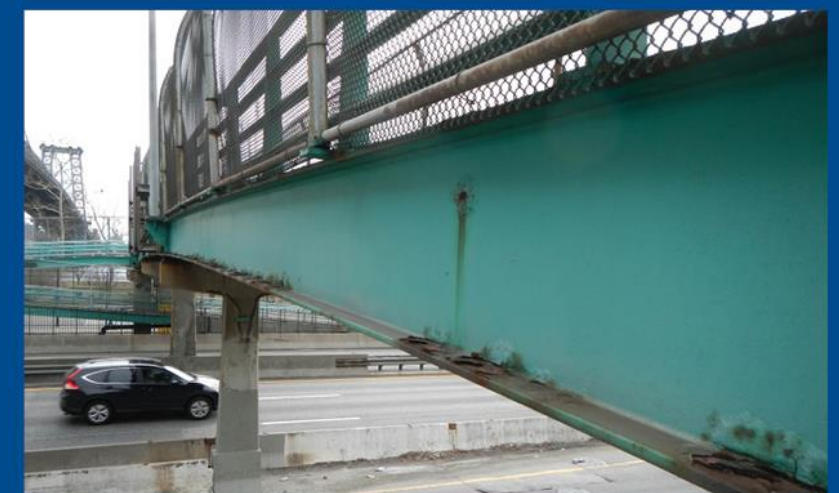
Inspecting Waterfront Structures

60% - 100%
APRIL SEPTMEBER



Inspecting Bridges

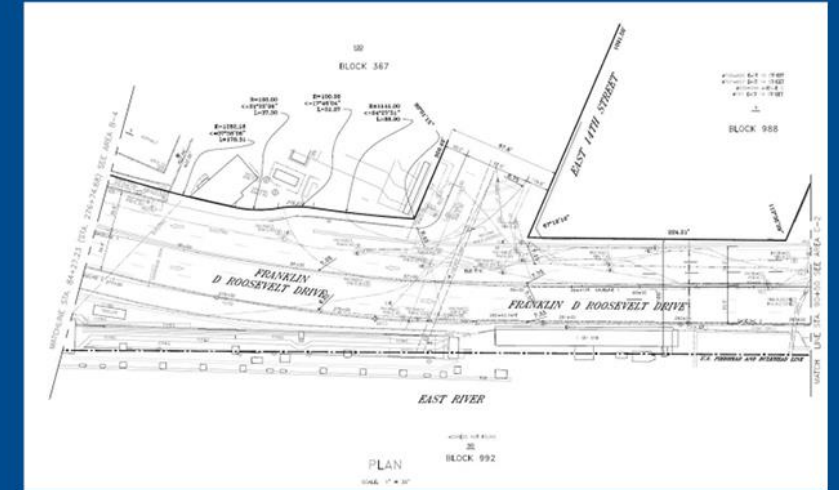
60% - 100%
APRIL SEPTEMBER



EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

Surveying the Land

95% - 100%
APRIL SEPTEMBER



Examining Flood Risk and Water Flow

50% - 90%
APRIL SEPTEMBER



Testing the Soil

10% - 100%
APRIL SEPTEMBER



EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

Studying Pedestrian and Bicycle Usage

5% - 100%
APRIL SEPTEMBER



Making an Inventory of Existing Trees

0% - 100%
APRIL SEPTEMBER



COMMUNITY FEEDBACK

STAKEHOLDER ENGAGEMENT

The ESCR team gathered feedback about connections to East River Park during work-sessions using physical models and drawings. Over 200 residents attended this second round of community engagement workshops on 05/19, 05/20, and 05/28.



PROJECT AREA 1 WORKSHOP: MAY 28TH, CHURCH OF ST. BRIGID



PROJECT AREA 2 WORKSHOP: MAY 19TH, WASHINGTON IRVING HS

STAKEHOLDER ENGAGEMENT

In addition to the community engagement workshops and the CB3/CB6 Task Force meetings, the ESCR team is also collecting input from local CBOs and stakeholders.



OPEN SPACE & RECREATION, TRANSPORTATION

CB3 & CB6

Hester St Collaborative

Lower East Side Ecology Centre

OLS Sparkle Little League

Partnerships for Parks

Solar One

Transportation Alternatives



NYCHA TENANT ASSOCIATIONS

Baruch

Campos Plaza

Riis

Rutgers

Smith

Vladeck

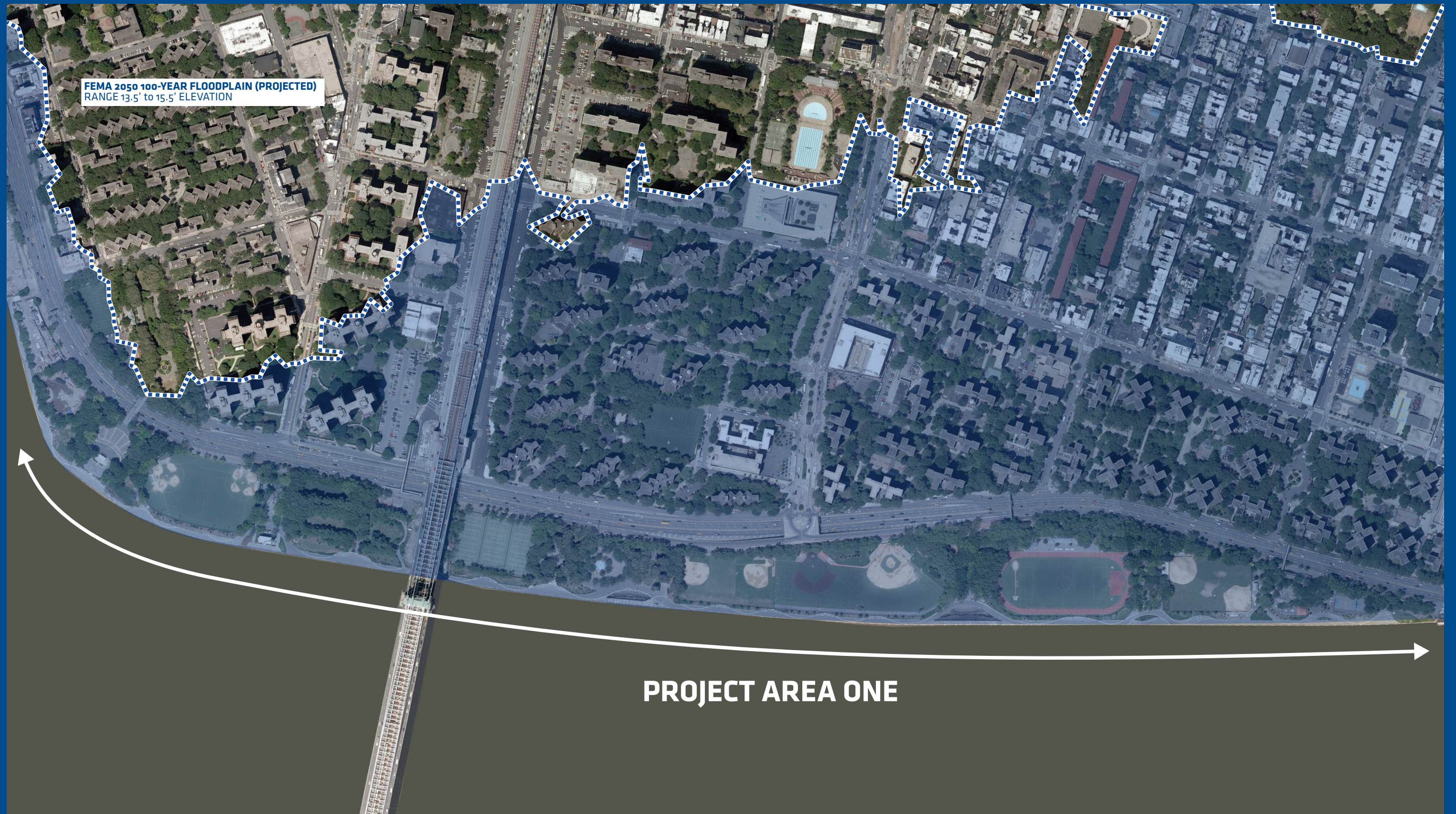
Wald

PROJECT AREA ONE

EAST RIVER PARK

EAST RIVER PARK

Existing Conditions - 2050s 100-year floodplain



EAST RIVER PARK NEEDS

Community Requests

**“ BETTER
ACCESS TO EAST
RIVER PARK ”**

“ FAMILY FRIENDLY ”

**“ FLOOD
PROTECTION ”**

**“ SAFETY AND
SECURITY ”**

REBUILD BY DESIGN + EAST SIDE COASTAL RESILIENCY

**“ CONNECTIONS TO
THE WATER ”**

**“ MORE NATURAL
SPACES ”**

MARCH COMMUNITY ENGAGEMENT FINDINGS

Of 63 respondents, top-rated improvements for East River Park were a nature walk (61%), cafe (55%), and horticultural displays (52%).

What additional services, activities or spaces would you like to see in or near East River Park?



Nature Walk

61%



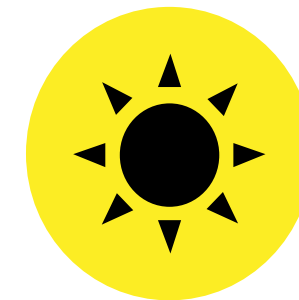
Café

55%



Horticultural displays

52%



Sunbathing

26%

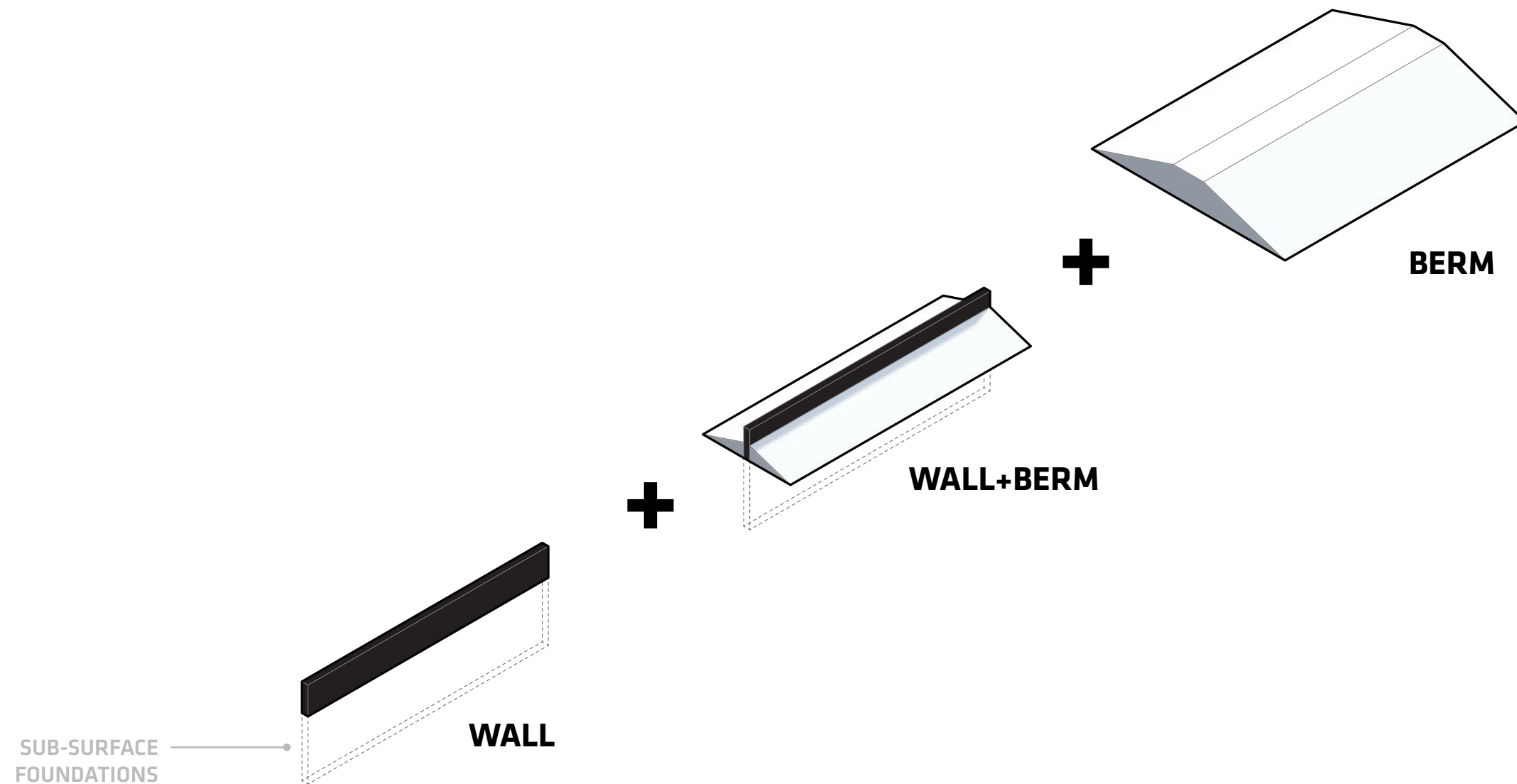


Sports (bocceball,
volleyball, kayak)

26%

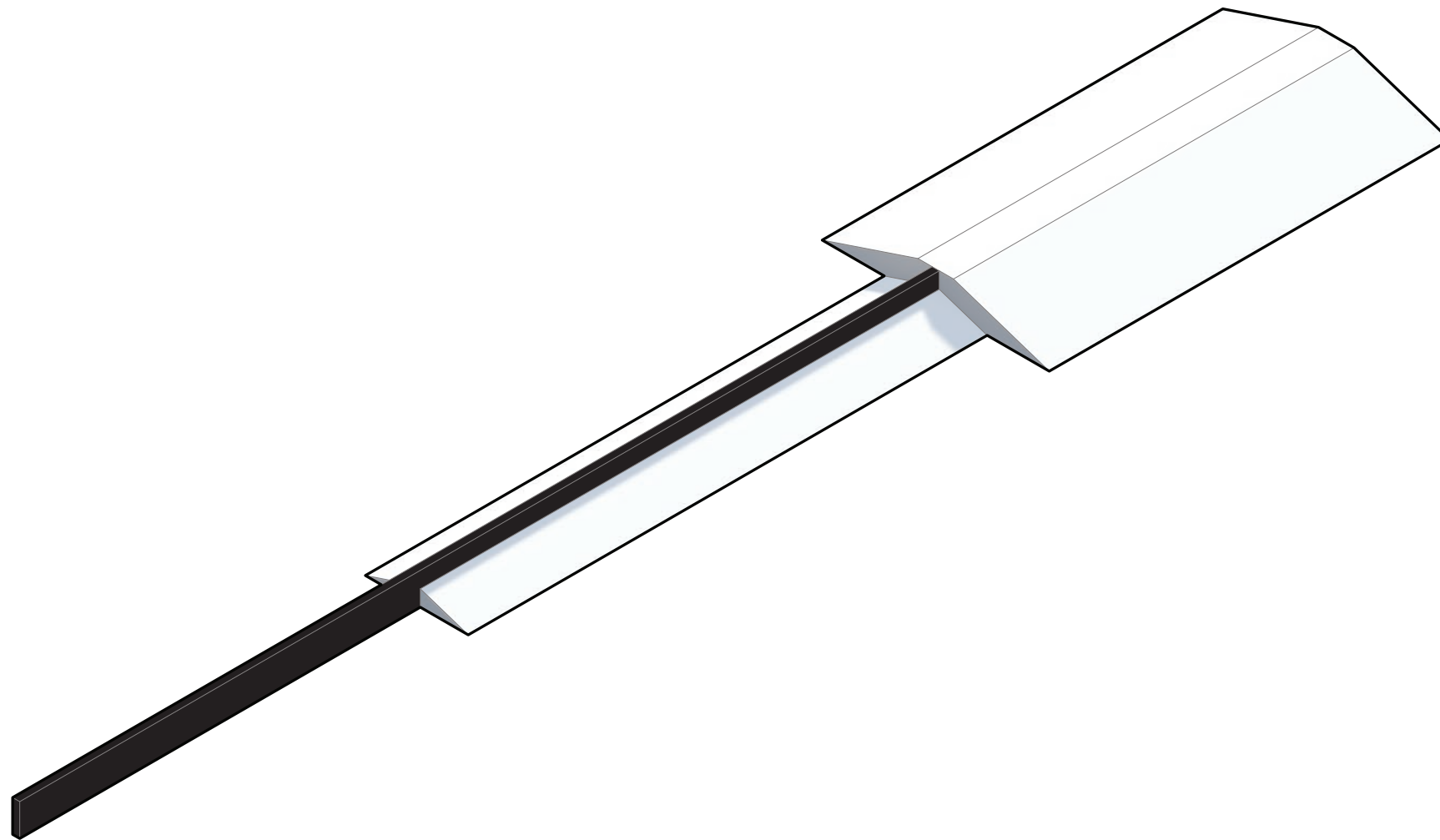
Other suggestions include: a dog run, an ice-skating rink, a bike rental facility, a batting cage, movie nights during the summer months, a beach, ping-pong tables, shade structures, a playground, and an eco-festival

FLOOD PROTECTION ELEMENTS

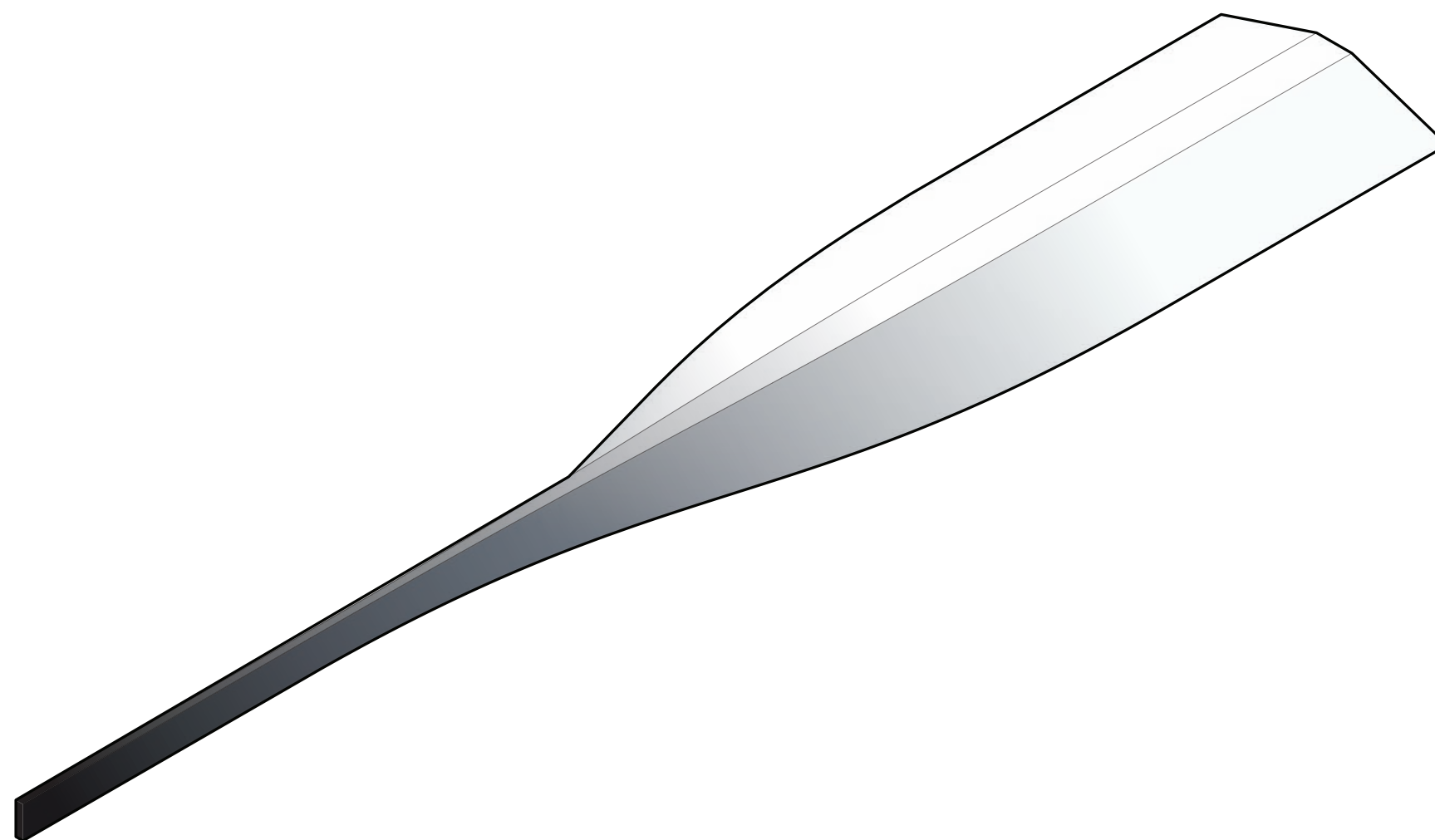


FLOOD PROTECTION ELEMENTS

THREE DIFFERENT ELEMENTS FORM THE TOOLKIT OF FLOOD PROTECTION,
BASED ON PASSIVE SPACE AVAILABLE

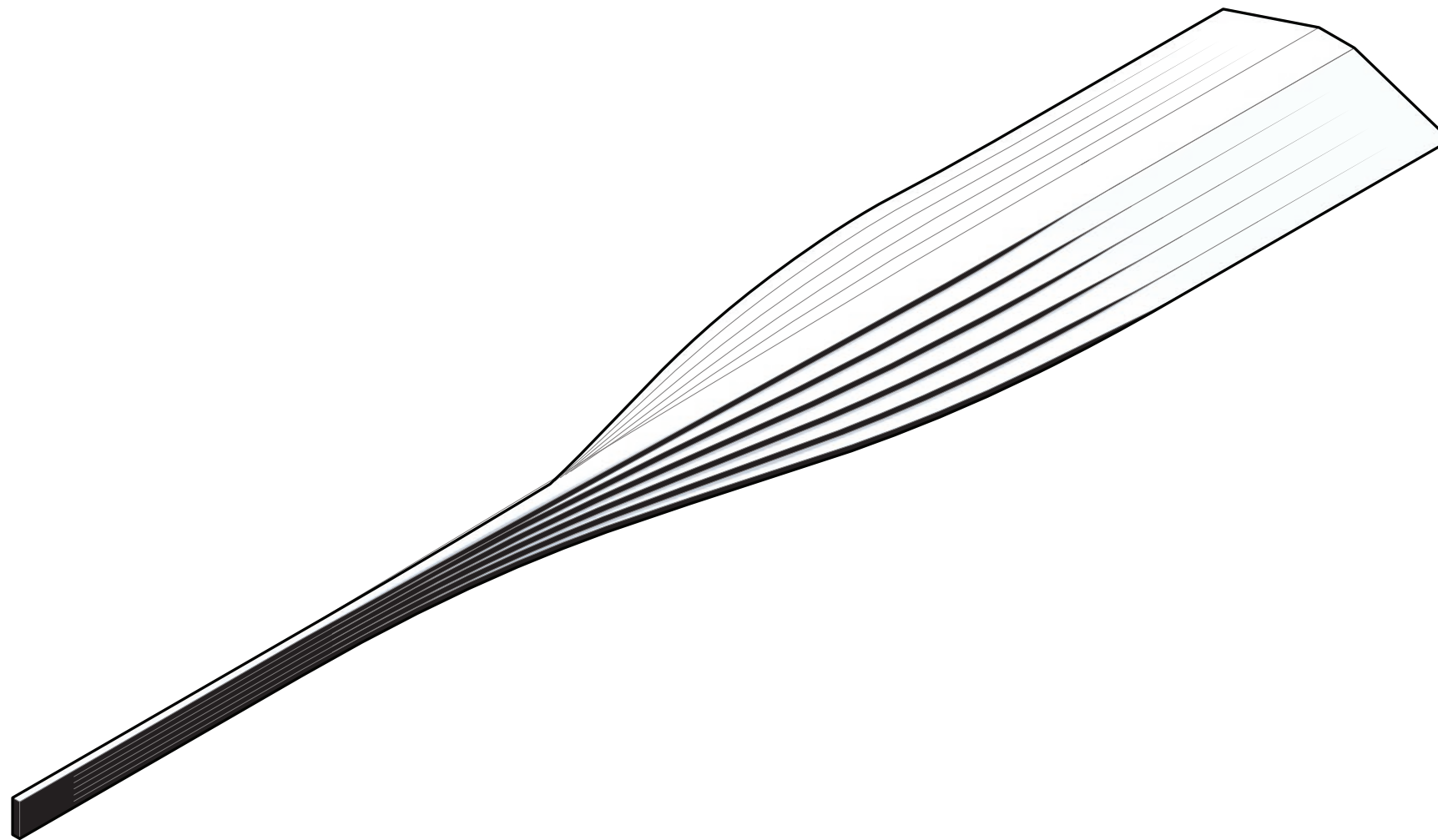


CONNECTING THE ELEMENTS



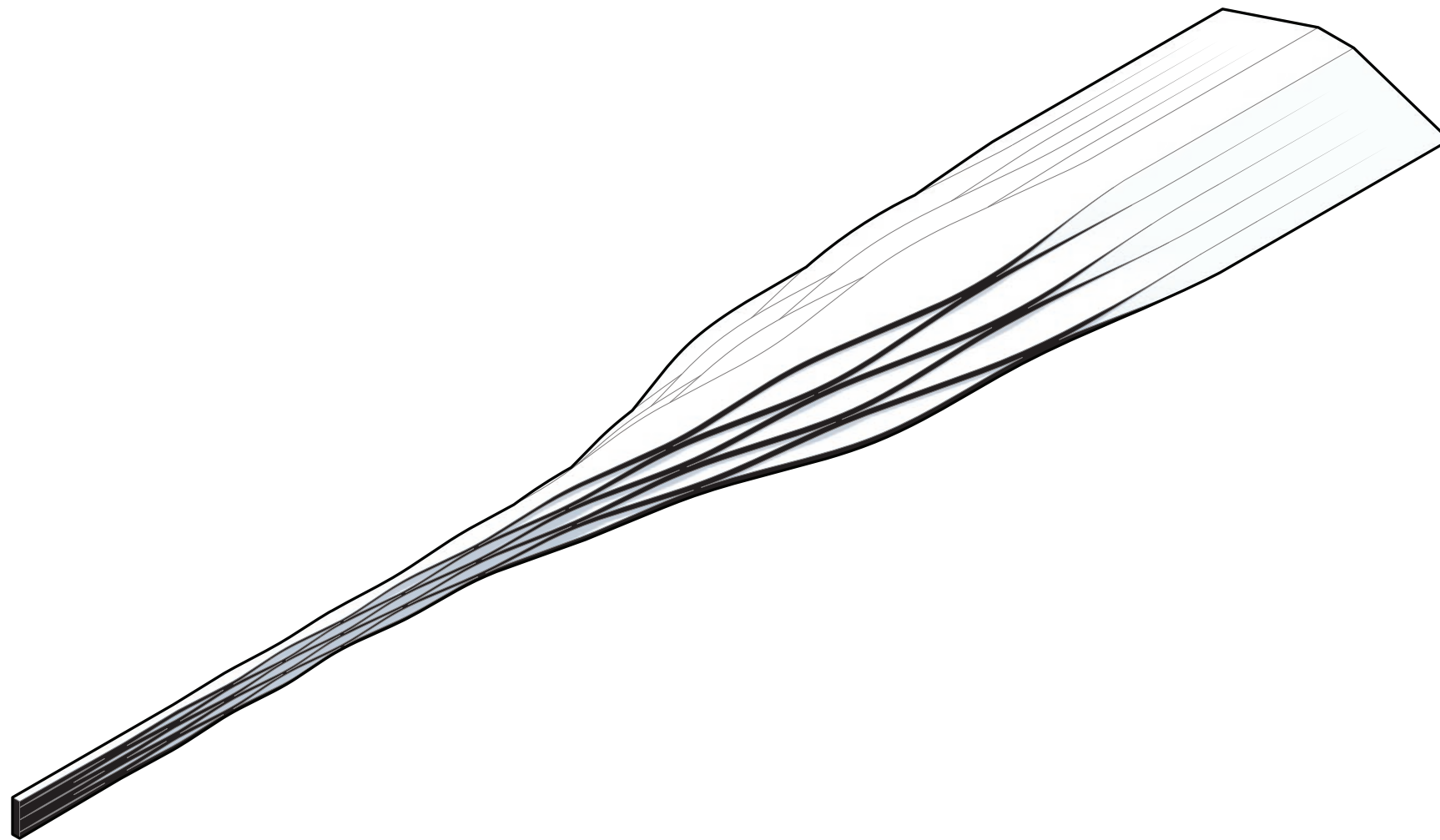
SOFTENING TRANSITIONS

SMOOTHING BETWEEN ELEMENTS



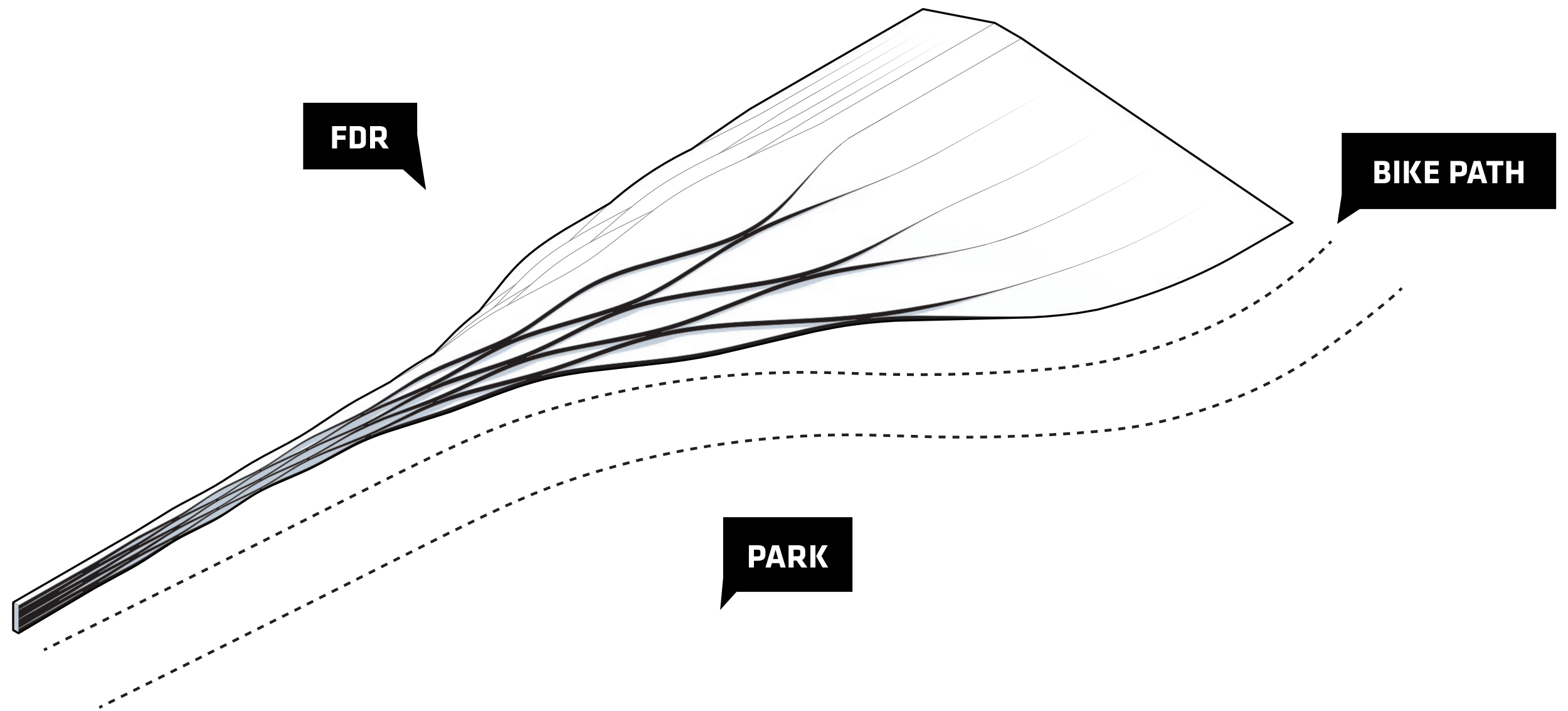
TERRACING

TERRACES STABILIZE THE TERRAIN WHEN SLOPES ARE GREATER THAN 3:1

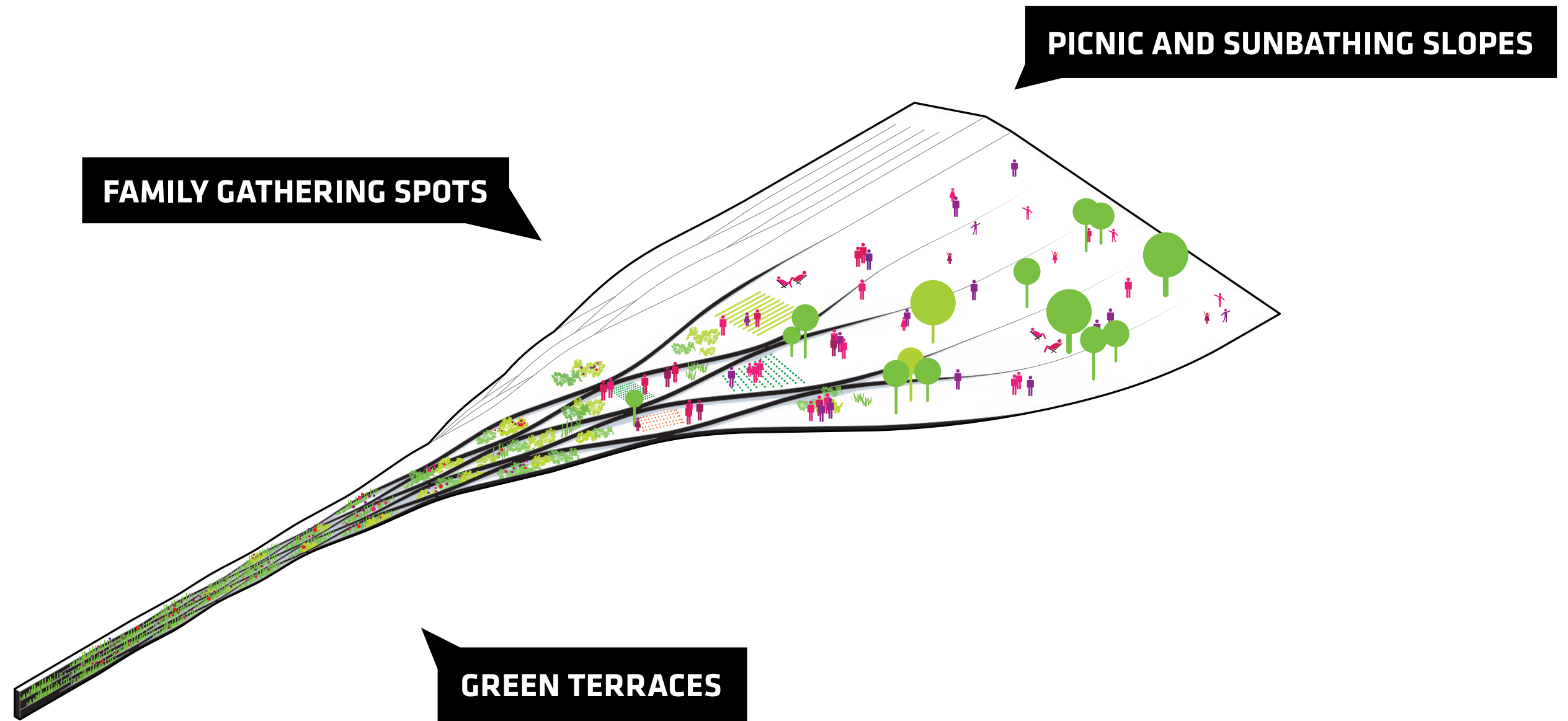


WEAVING

WEAVING CREATES POCKETS AND TERRACES FOR PLANTINGS AND ACTIVITIES



ADAPTING TO SITE CONDITIONS

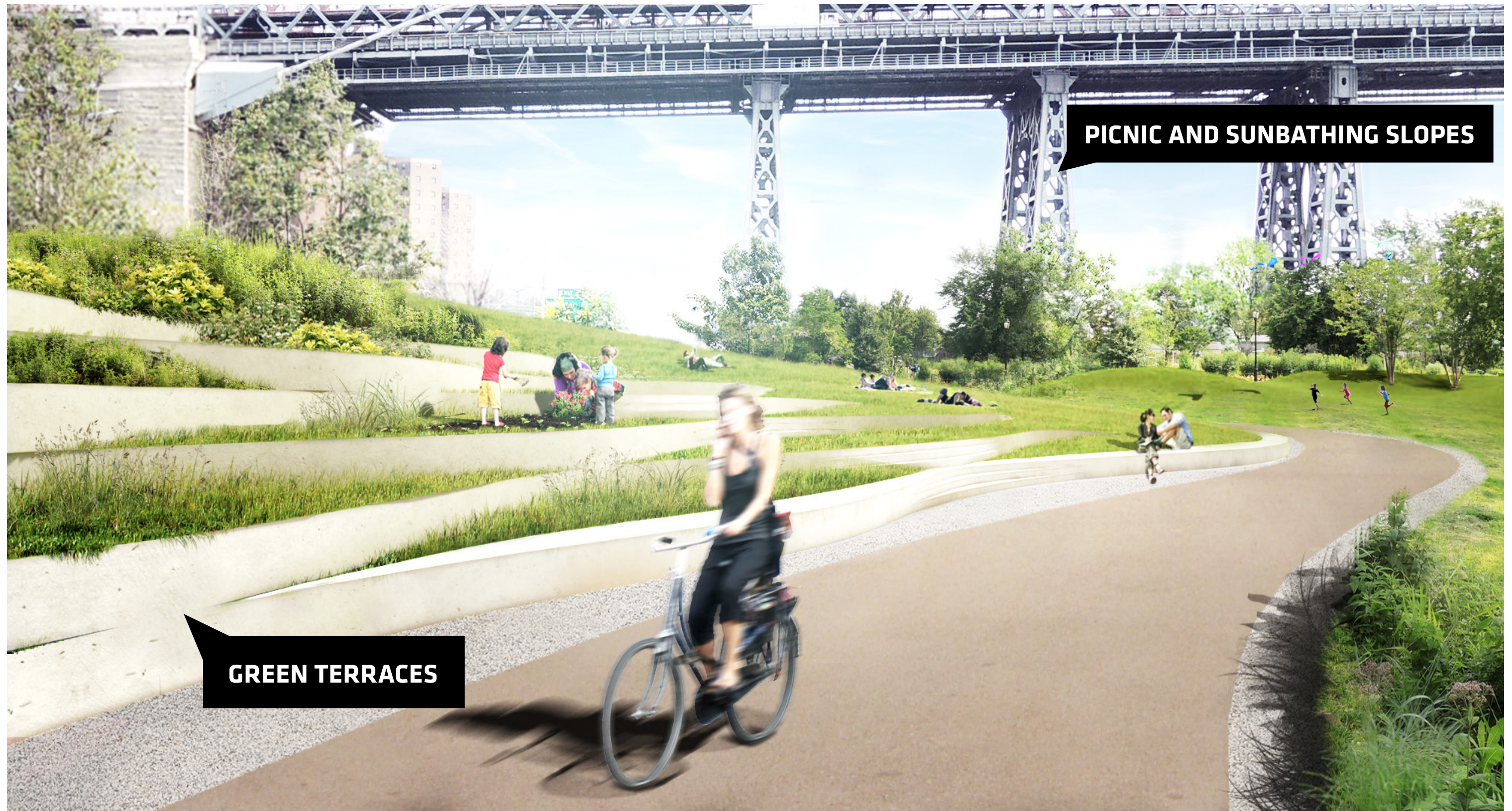


SUPPORTING PARK DIVERSITY

DIFFERENTIATED TERRACES AND SLOPES PROVIDE FOR A DIVERSE AND VIBRANT PARK EXPERIENCE

TRANSITION FROM WALL TO BERM

Moving North, View Towards Williamsburg Bridge



PICNIC AND SUNBATHING SLOPES

GREEN TERRACES

**ACCESS TO EAST RIVER PARK
COMMUNITY ENGAGEMENT FINDINGS**

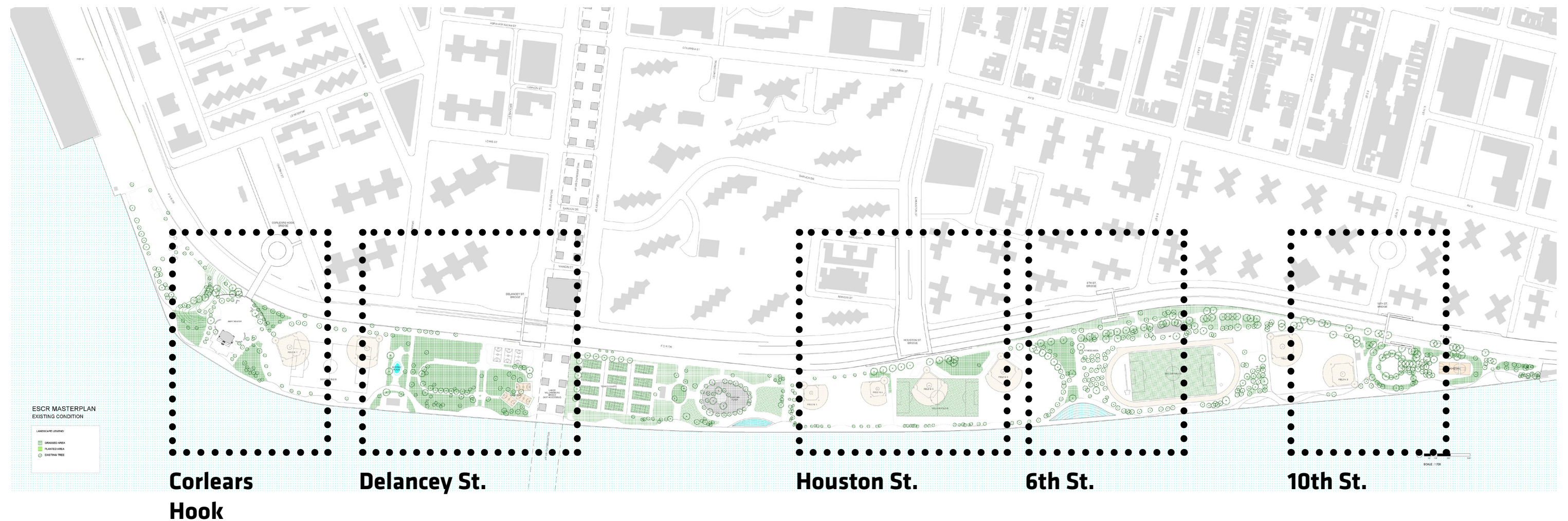
ACCESS TO EAST RIVER PARK

The ESCR team gathered feedback about connections to East River Park during the community engagement workshops on 05/20 and 05/28.



MAY WORKSHOPS

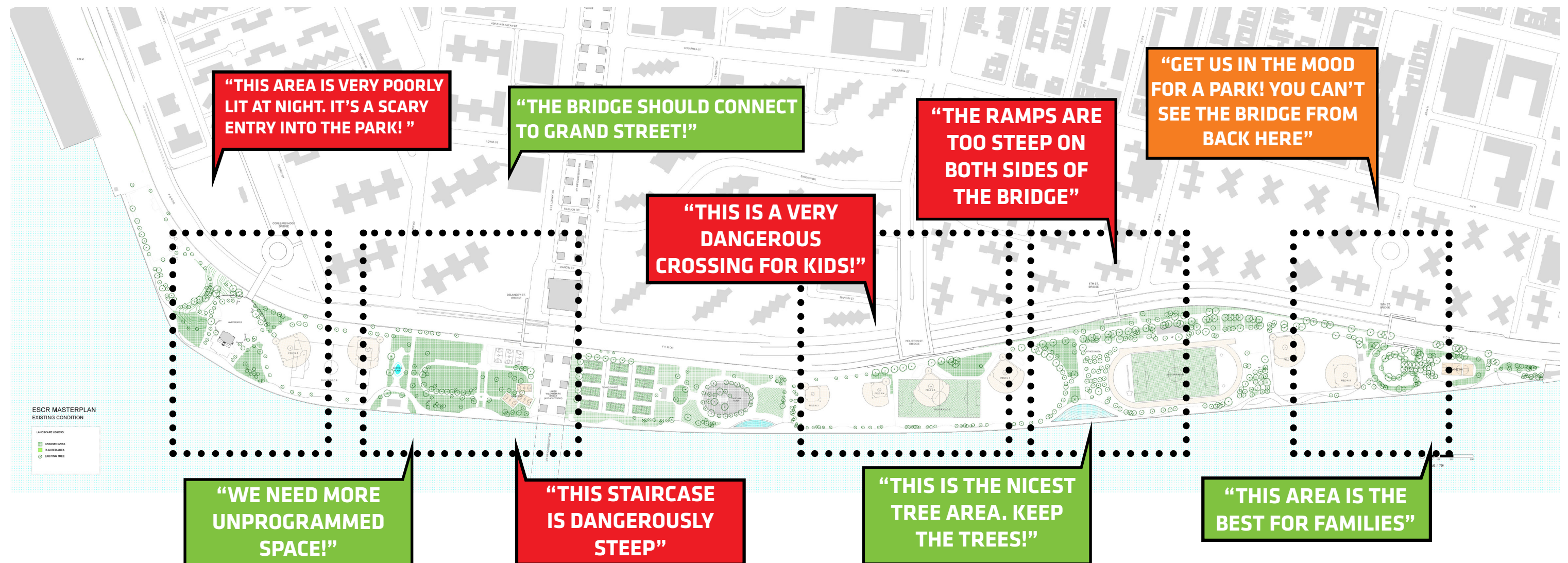
Five connection points were discussed during May design workshops:



ACCESS POINTS

COMMUNITY FEEDBACK

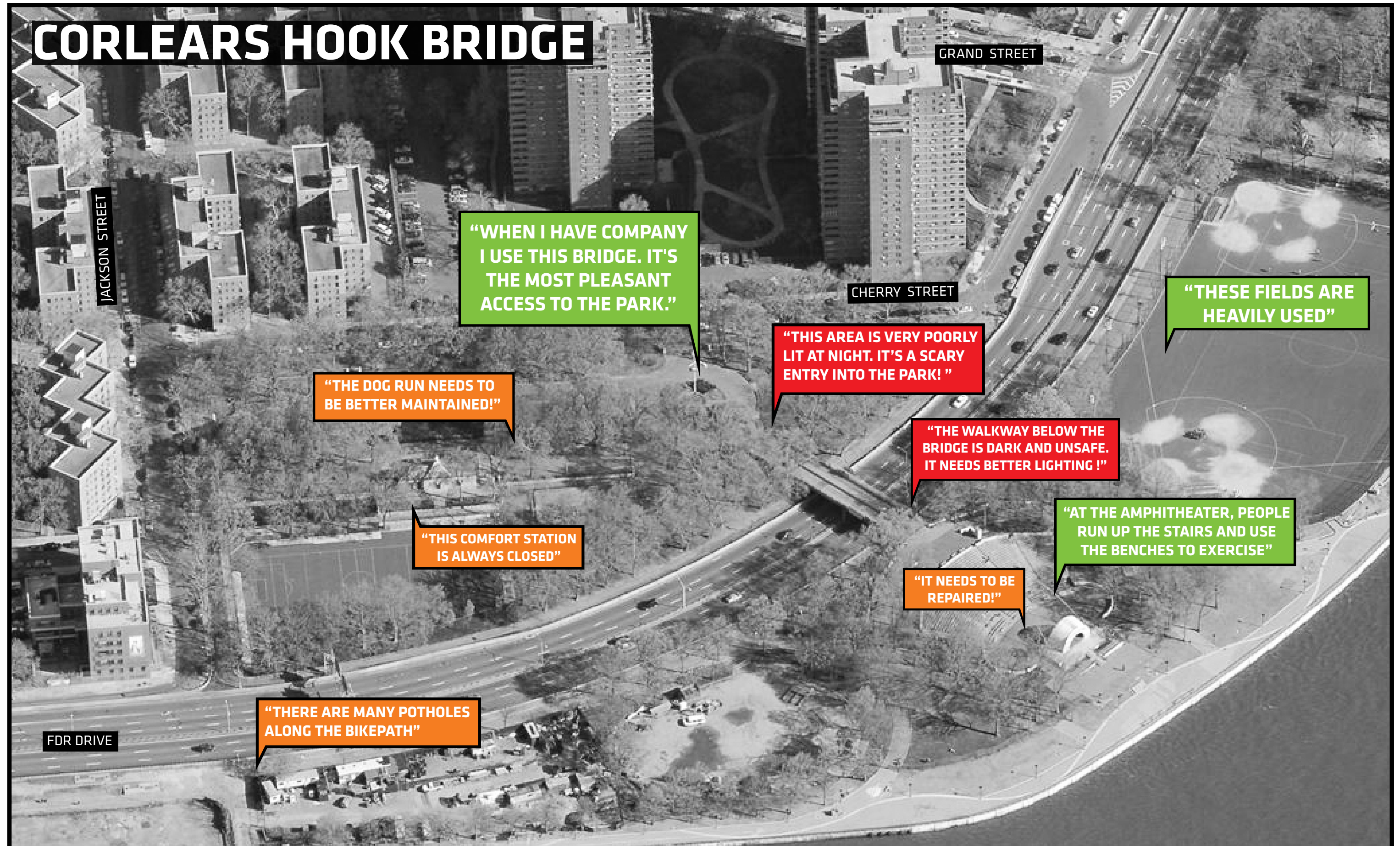
Concerns, likes, and dislikes were voiced about existing conditions in these areas of the park:



COMMUNITY FEEDBACK

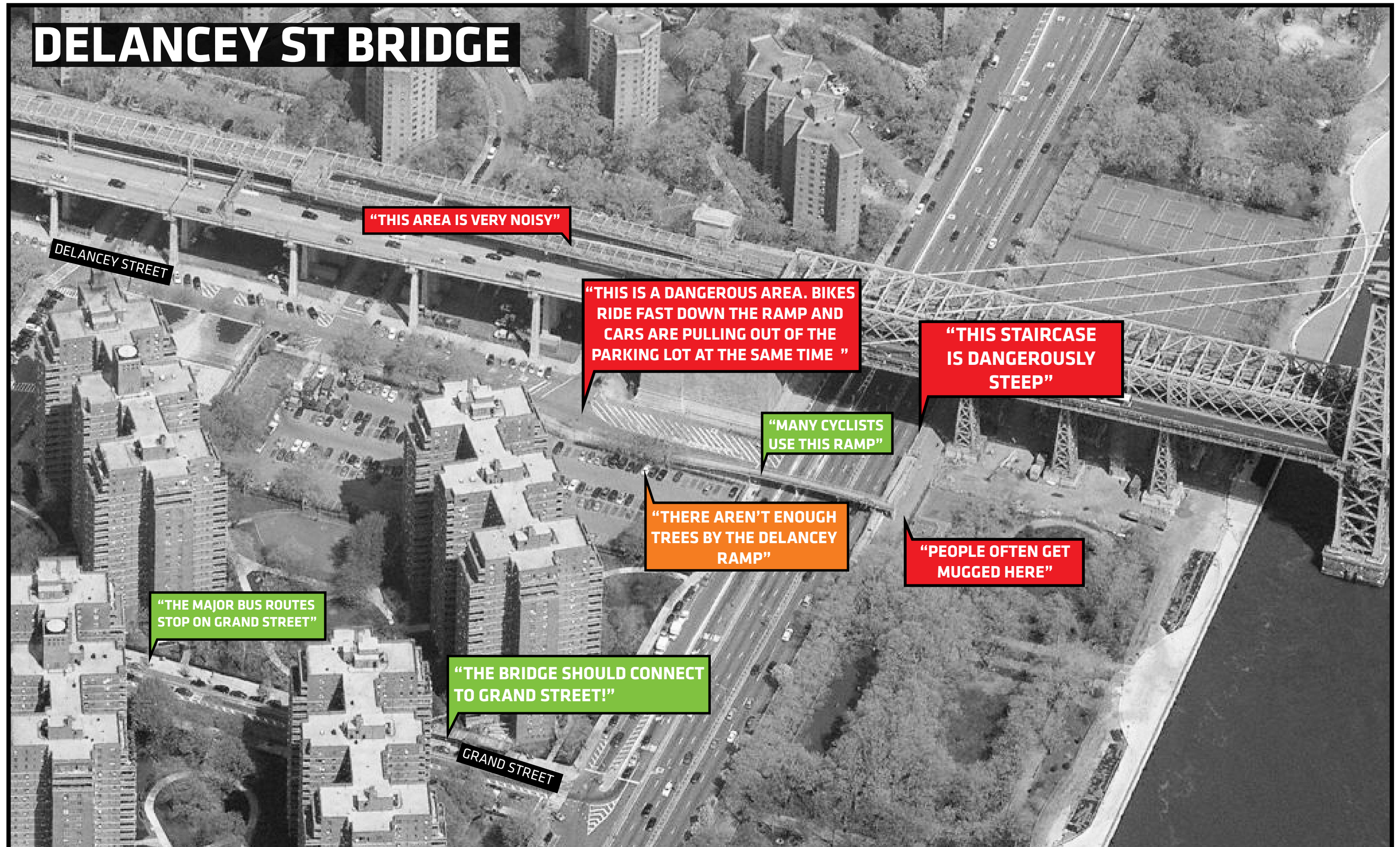
ACCESS TO EAST RIVER PARK

Community feedback on the Corlears Hook bridge



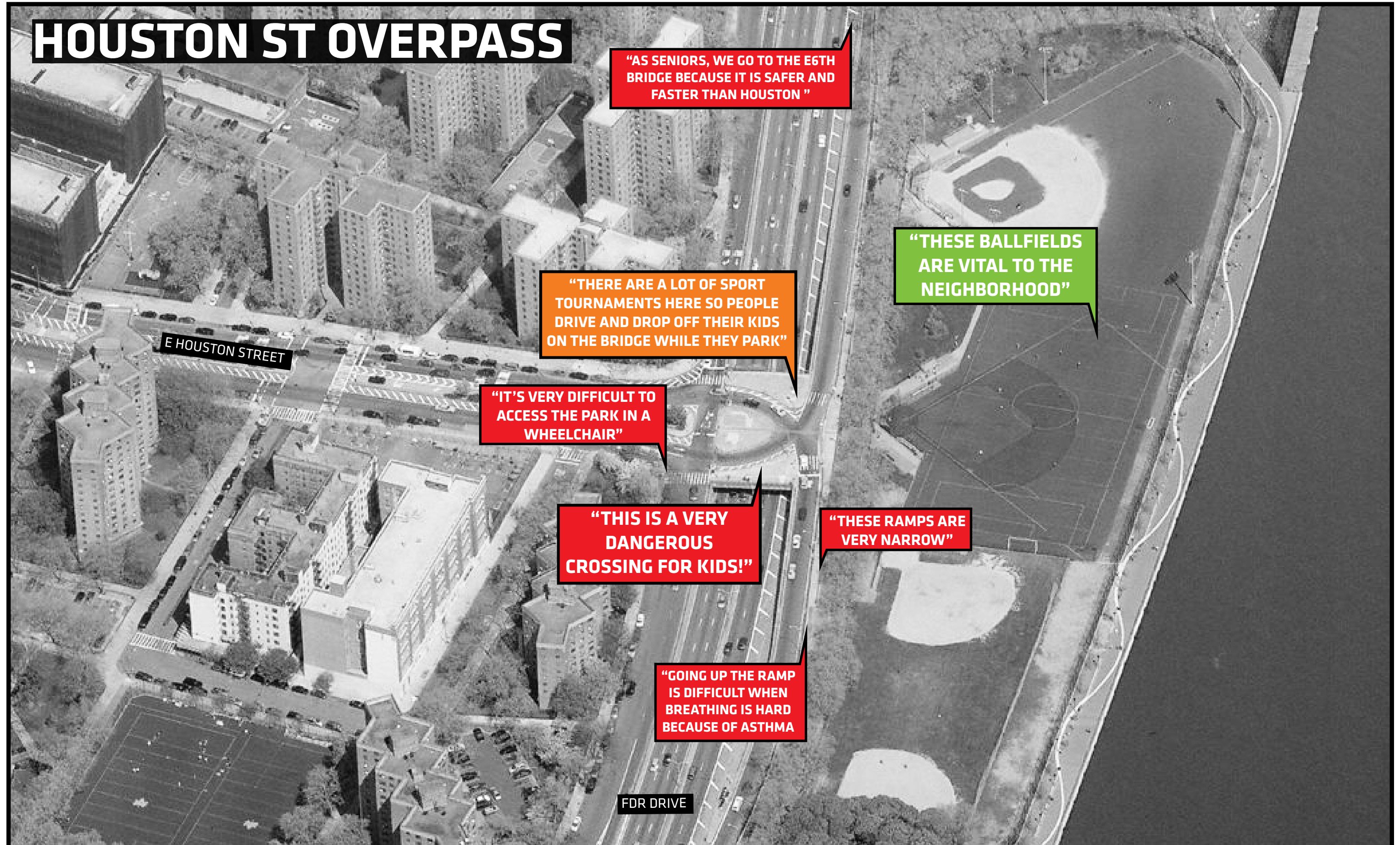
ACCESS TO EAST RIVER PARK

Community feedback on the Delancey St. Bridge



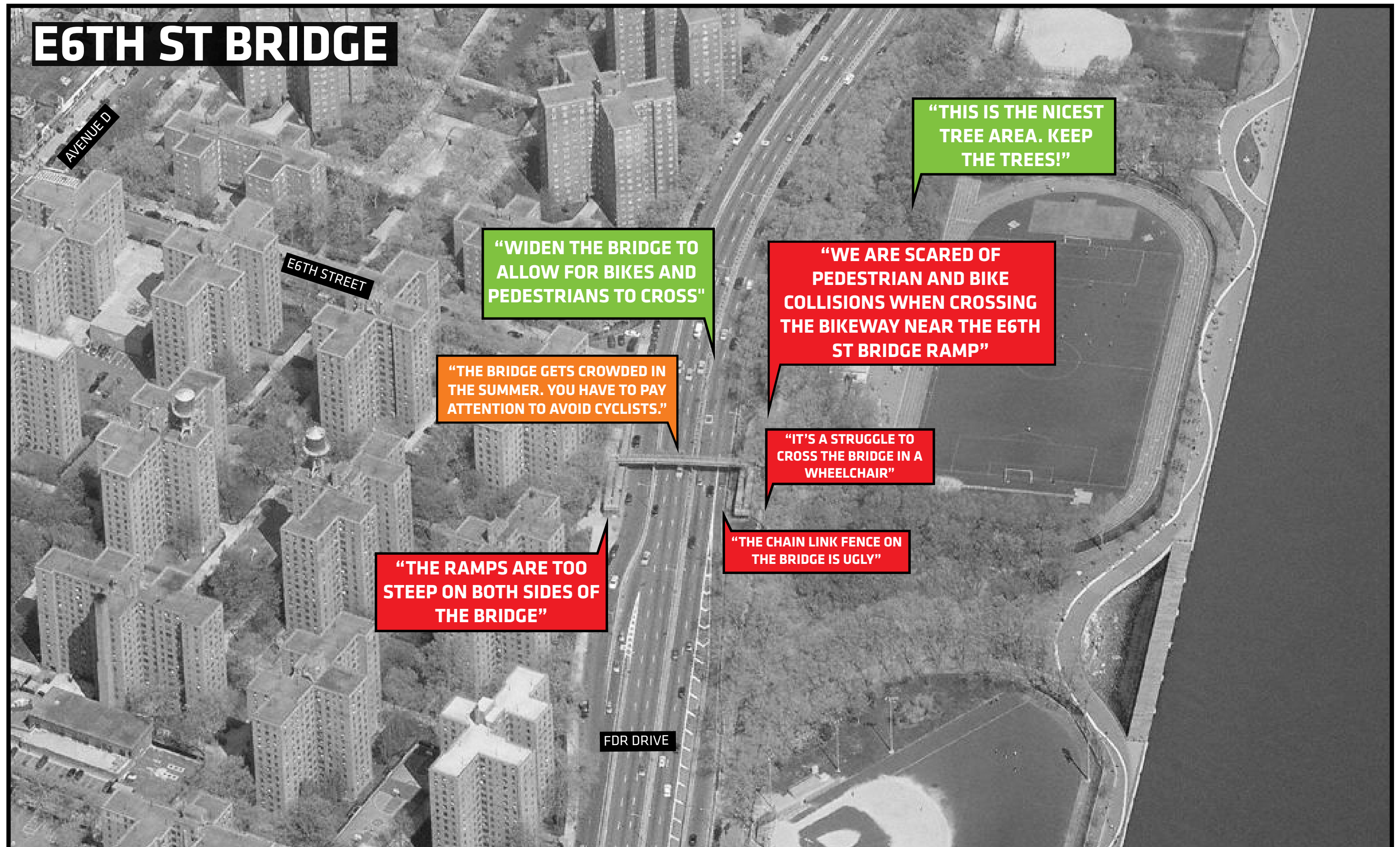
ACCESS TO EAST RIVER PARK

Community feedback on the Houston St. overpass



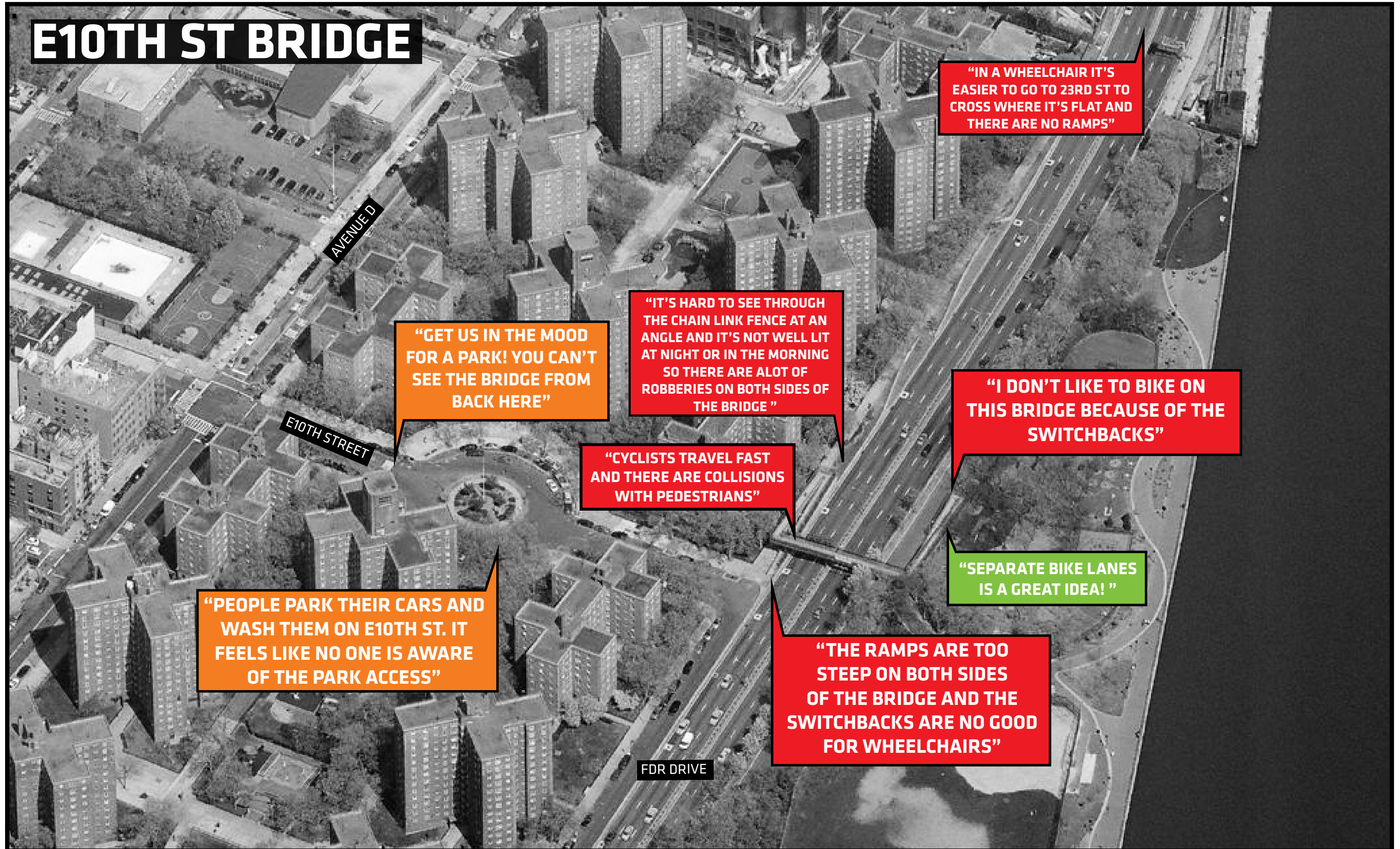
ACCESS TO EAST RIVER PARK

Community feedback on the E. 6th St. Bridge



ACCESS TO EAST RIVER PARK

Community feedback on the E. 10th St. Bridge



ACCESS TO EAST RIVER PARK

Community feedback - Suggestions for improved access to East River Park

COMMUNITY SUGGESTIONS:



1) PROVIDE FLUID ACCESS TO THE PARK VIA GENTLE RAMPS



2) WIDEN THE BRIDGES TO ALLOW FOR SEPARATE BIKE AND PEDESTRIAN CIRCULATION



3) ANNOUNCE ACCESS TO THE PARK THROUGH LANDSCAPING



4) ADDRESS SAFETY CONCERNS BY IMPROVING LIGHTING



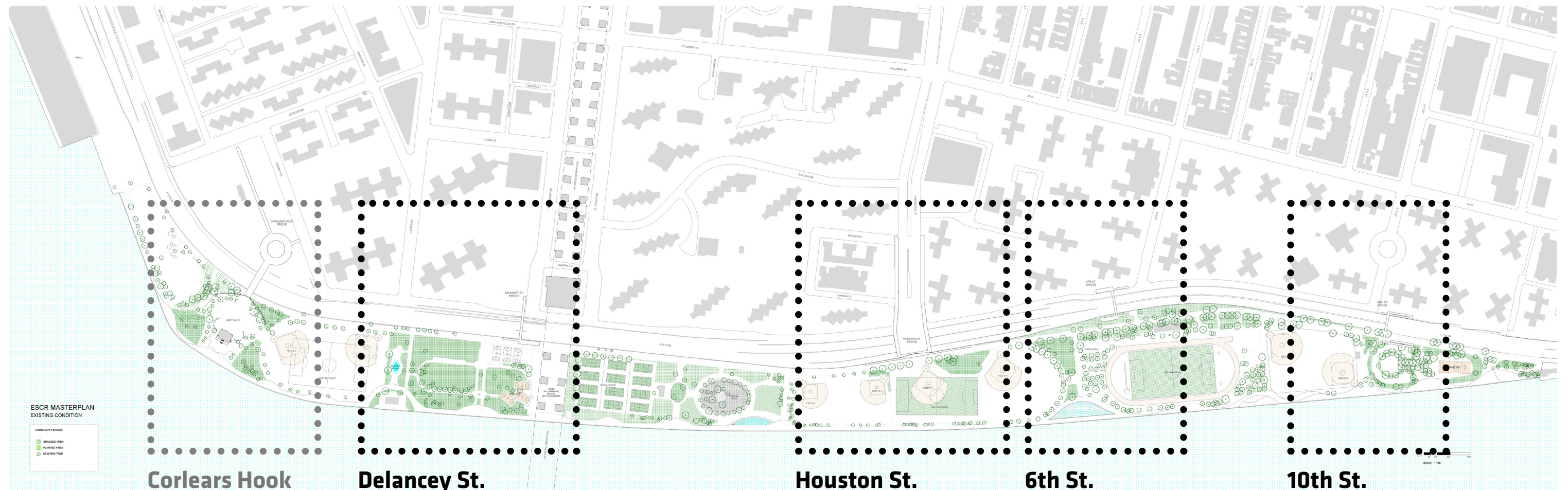
5) INCORPORATE SIGNAGE



6) CONSIDER PROGRAMMING AT ACCESS POINTS

DESIGN OPTIONS

What are the options to integrate better access and open spaces with the flood protection?



WORKSHOP ACTIVITY

DESIGN OPTIONS DISCUSSION

DESIGN OPTIONS

What are the options to integrate better access and open spaces with the flood protection?



WORKSHOP ACTIVITY

DESIGN OPTIONS DISCUSSION

EXAMPLE - 10TH STREET

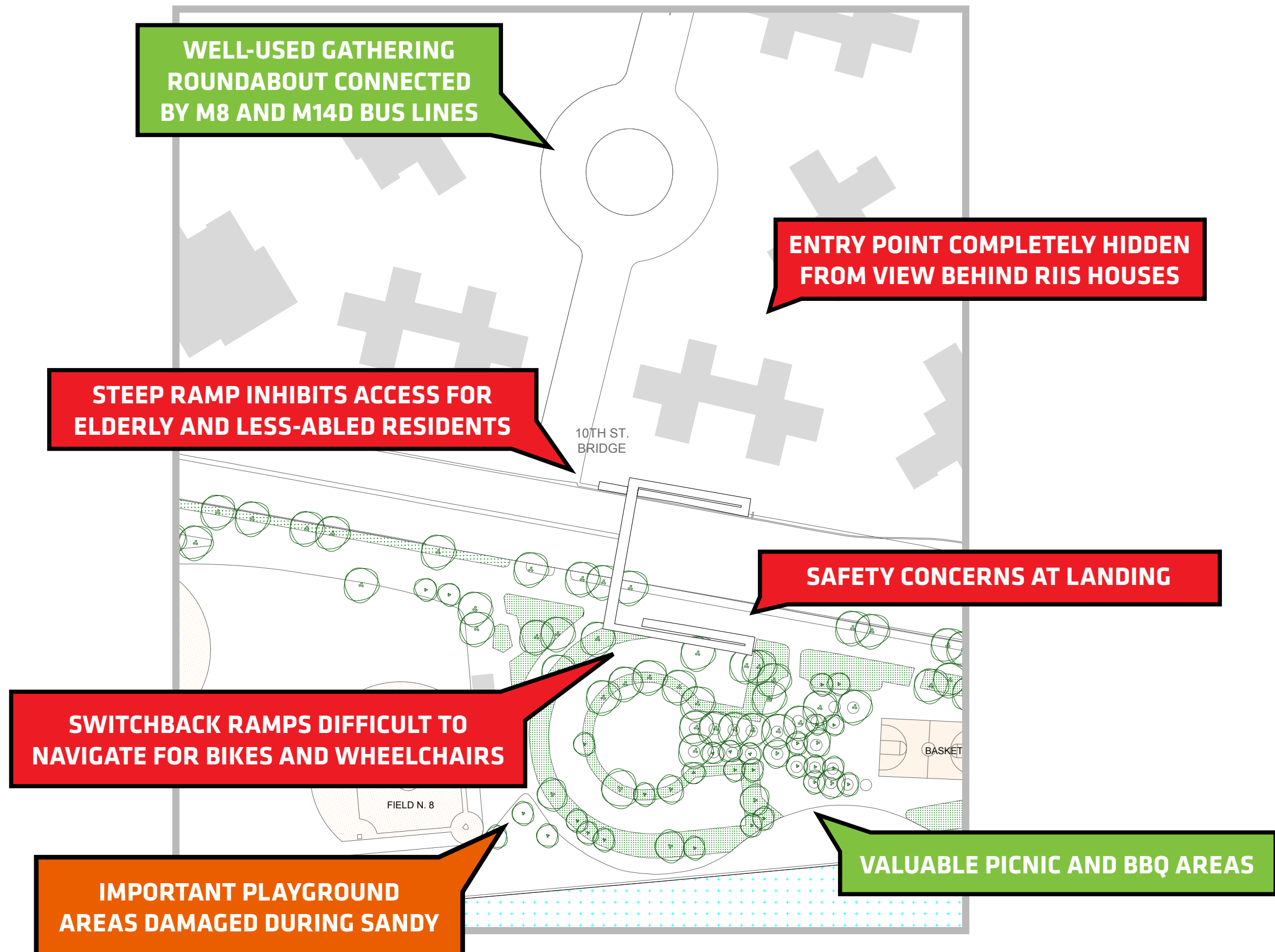
EXISTING CONDITIONS



10TH STREET BRIDGE

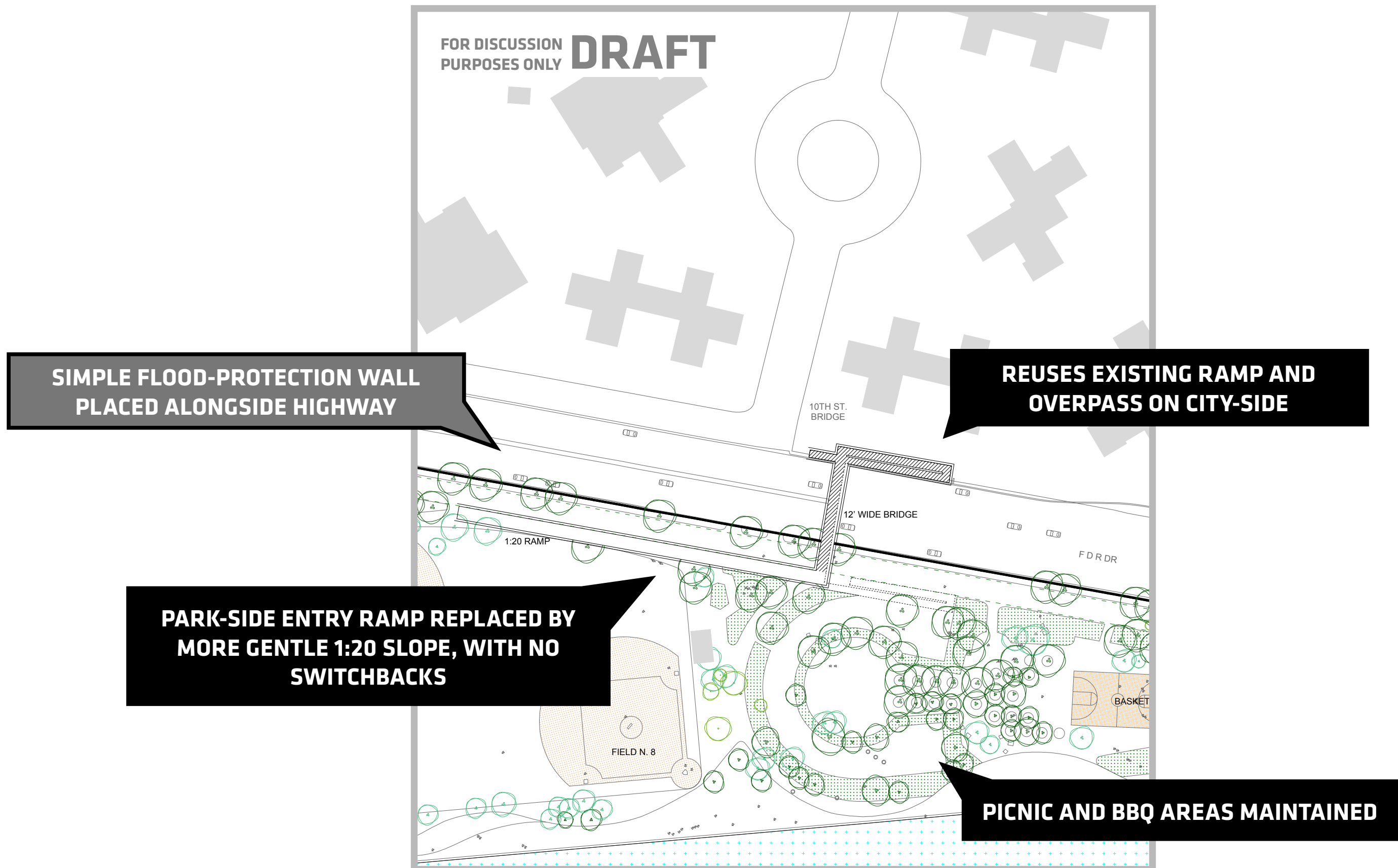
EXAMPLE - 10TH STREET

COMMUNITY FEEDBACK



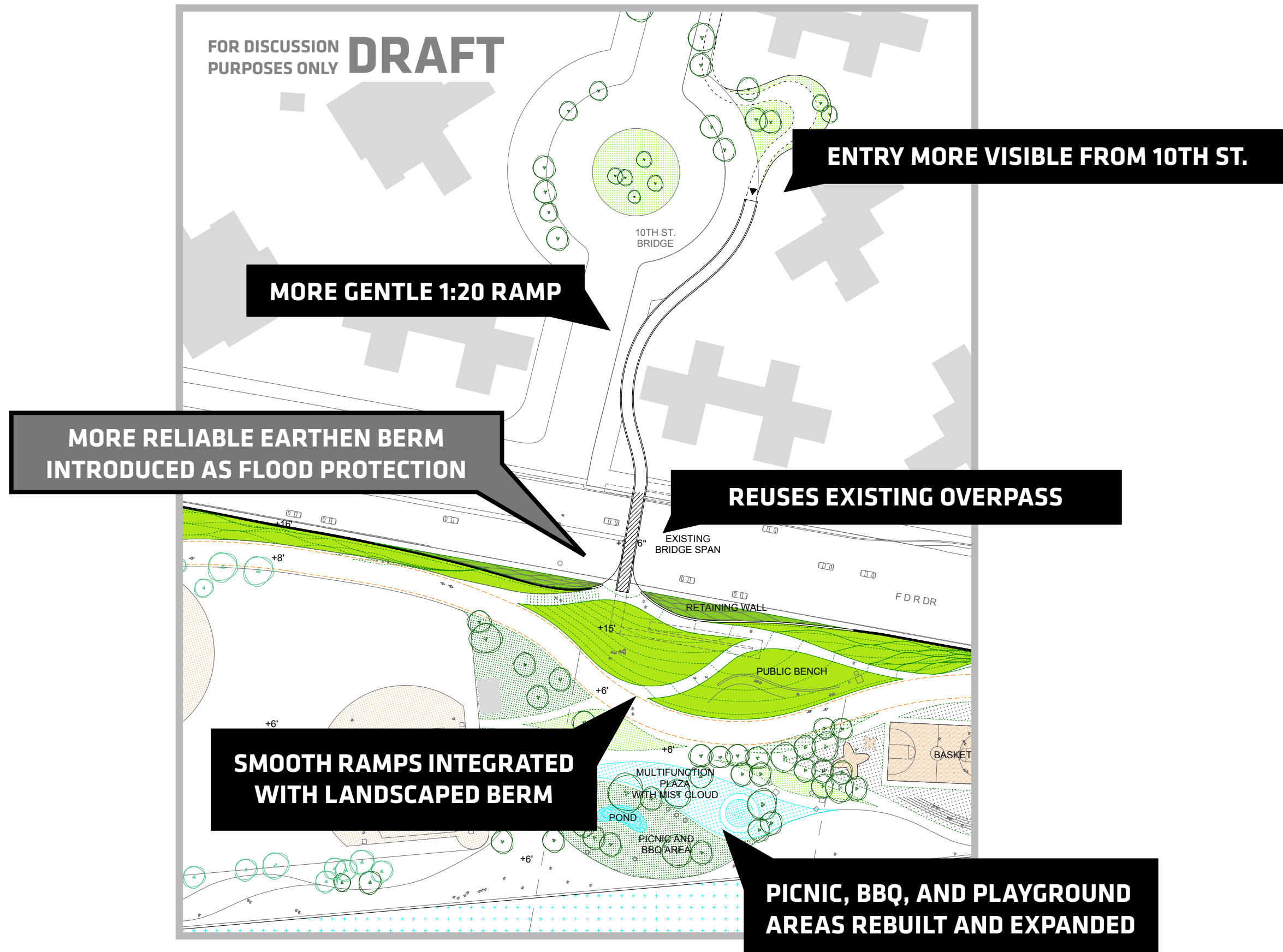
EXAMPLE - 10TH STREET - ALTERNATIVE 1

BASELINE FLOOD PROTECTION



EXAMPLE - 10TH STREET - ALTERNATIVE 2

LEVEL 1 ACCESS AND OPEN SPACE IMPROVEMENTS



EXAMPLE - 10TH STREET - ALTERNATIVE 3

LEVEL 2 ACCESS AND OPEN SPACE IMPROVEMENTS



DESIGN OPTIONS

What are the options to integrate better access and open spaces with the flood protection?

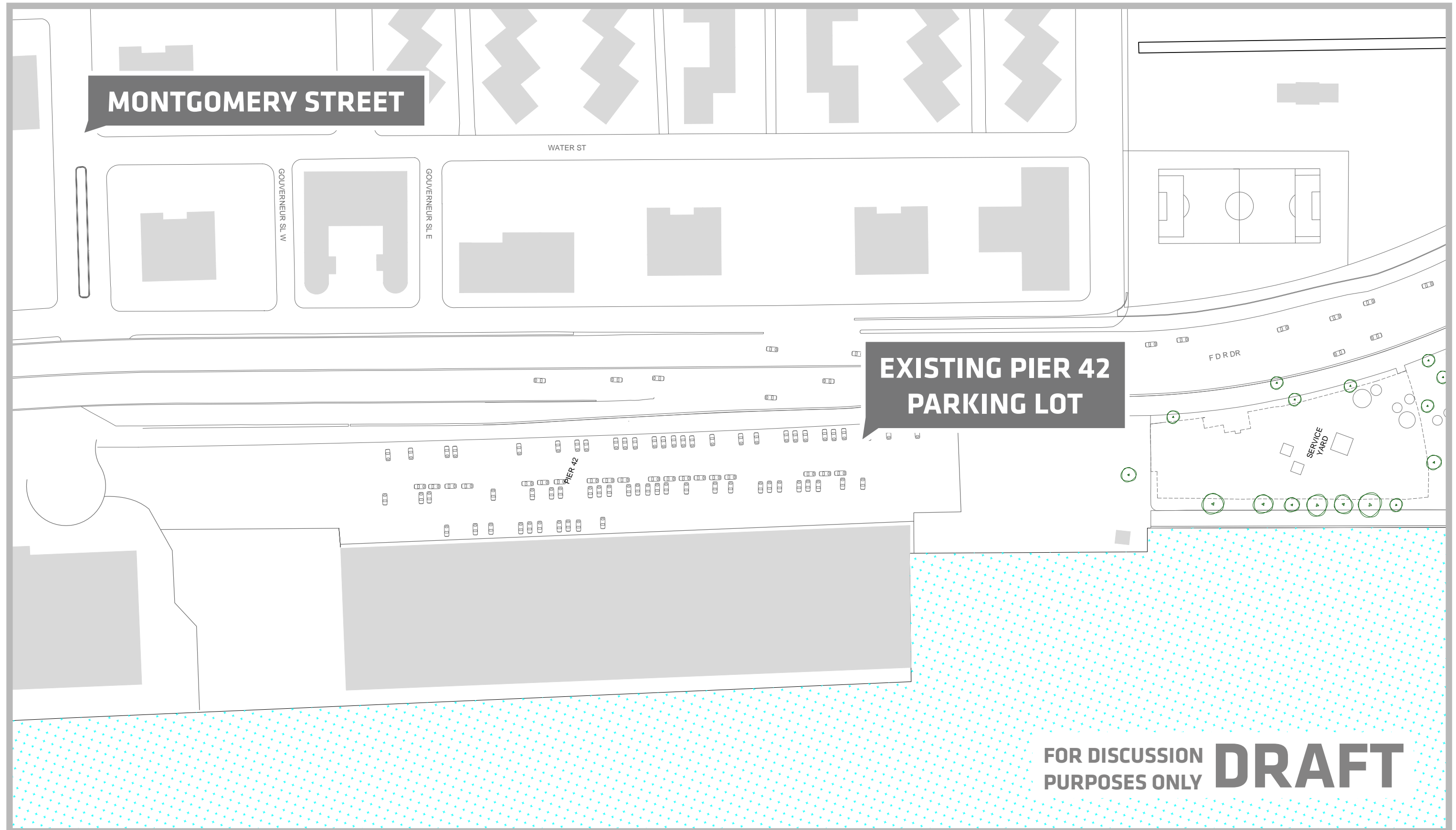


WORKSHOP ACTIVITY

DESIGN OPTIONS DISCUSSION

MONTGOMERY STREET AND PIER 42 AREA

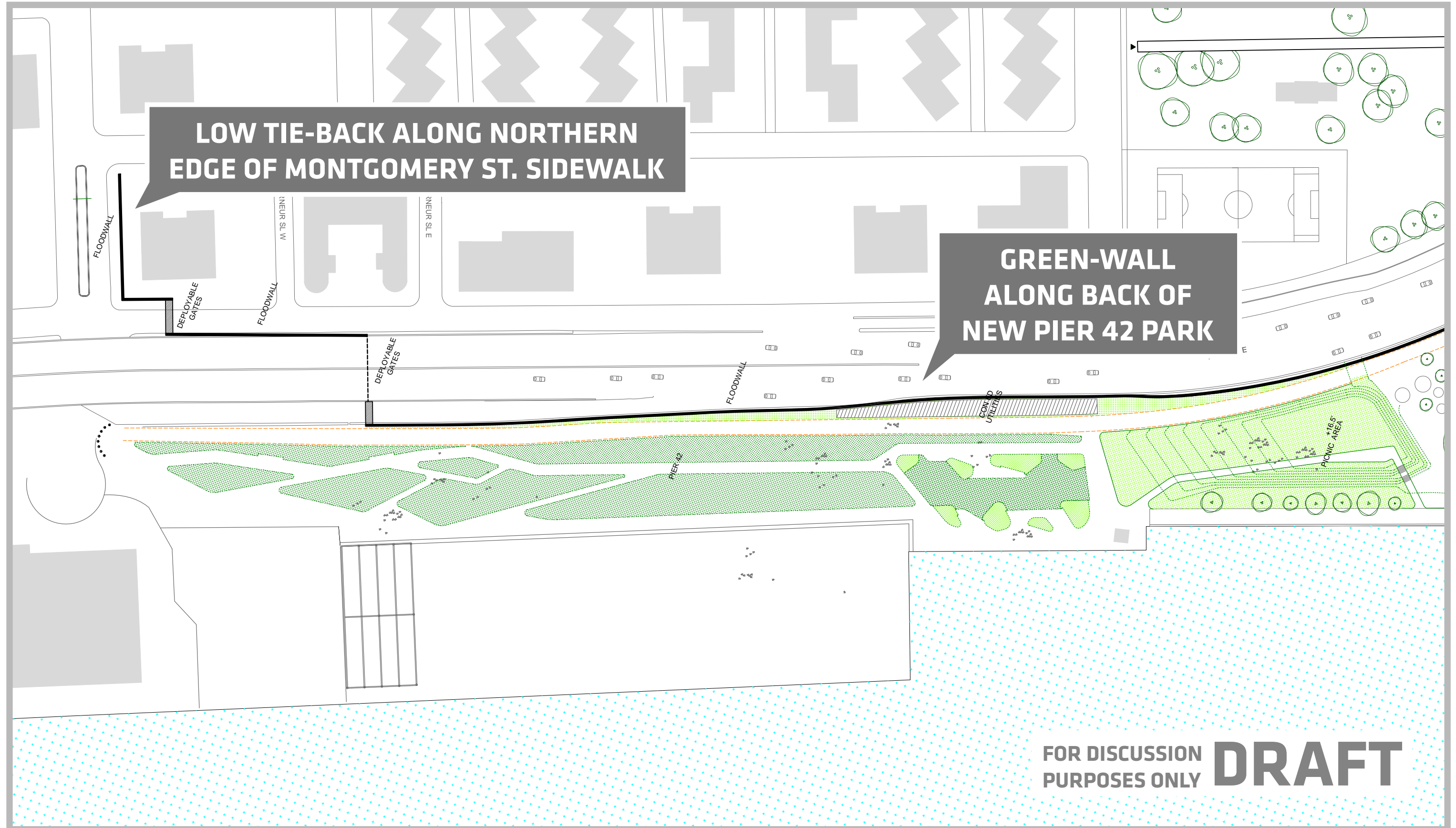
Existing Conditions



MONTGOMERY STREET AND PIER 42 AREA

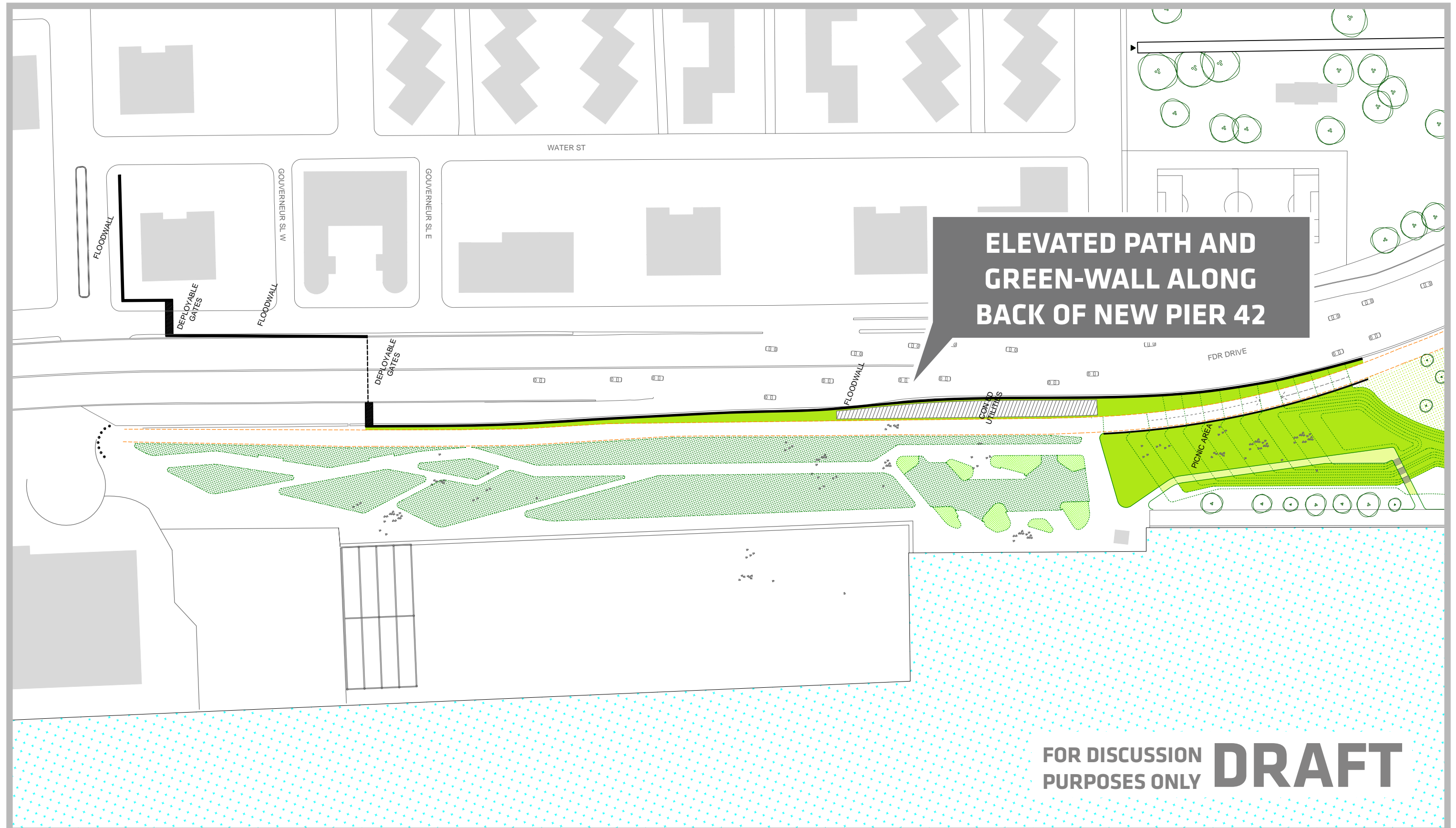
Tie-Back and Anticipated Pier 42 Park

Alternative 1 - Green-Wall Along West Edge of Park



MONTGOMERY STREET AND PIER 42 AREA

Alternative 2 - Green-Wall with Elevated Path Along West Edge of Park, Picnic Knoll as Protective Berm



THE AIM OF THIS EXERCISE IS TO:

GAIN FEEDBACK ABOUT THE COMMUNITY'S PRIORITIES, IN THE CONTEXT OF OVERALL PROJECT BUDGET

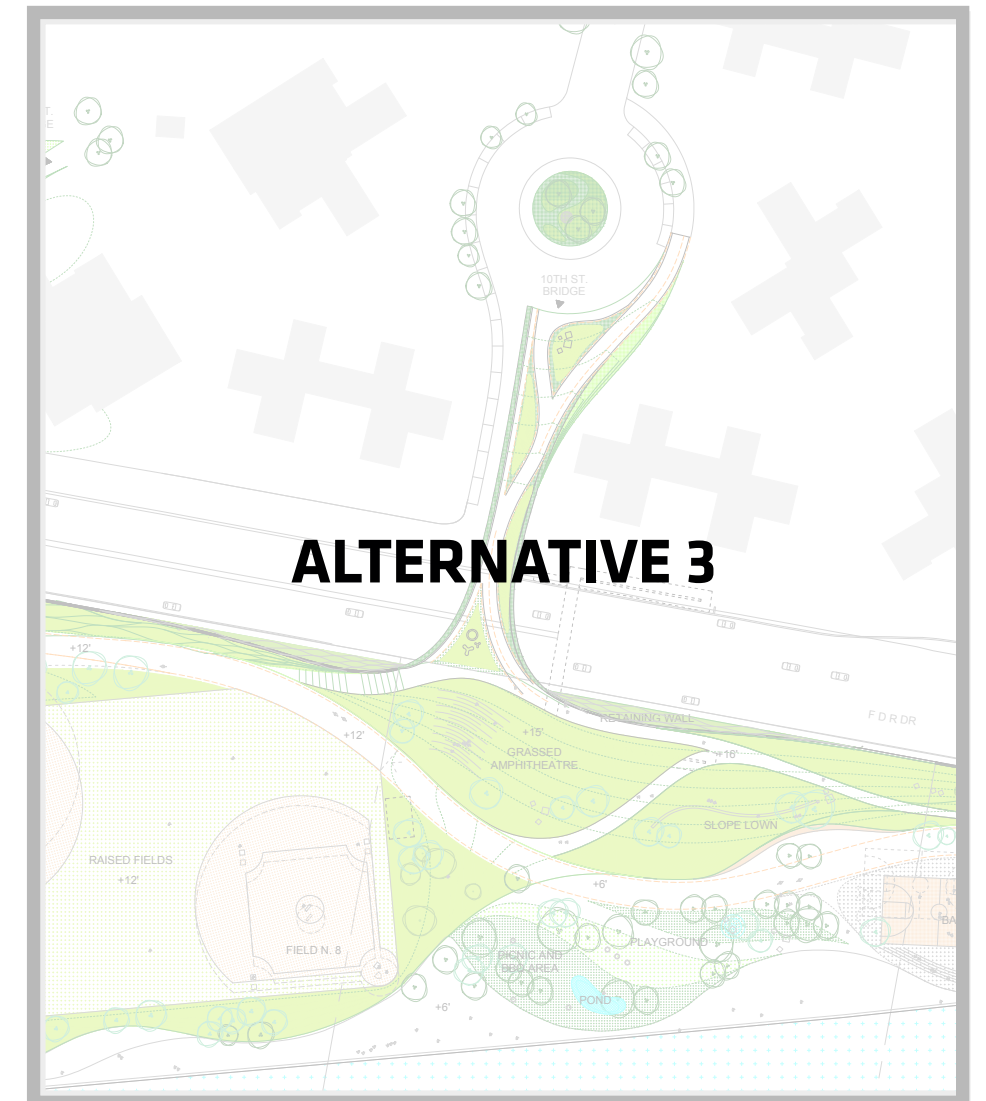
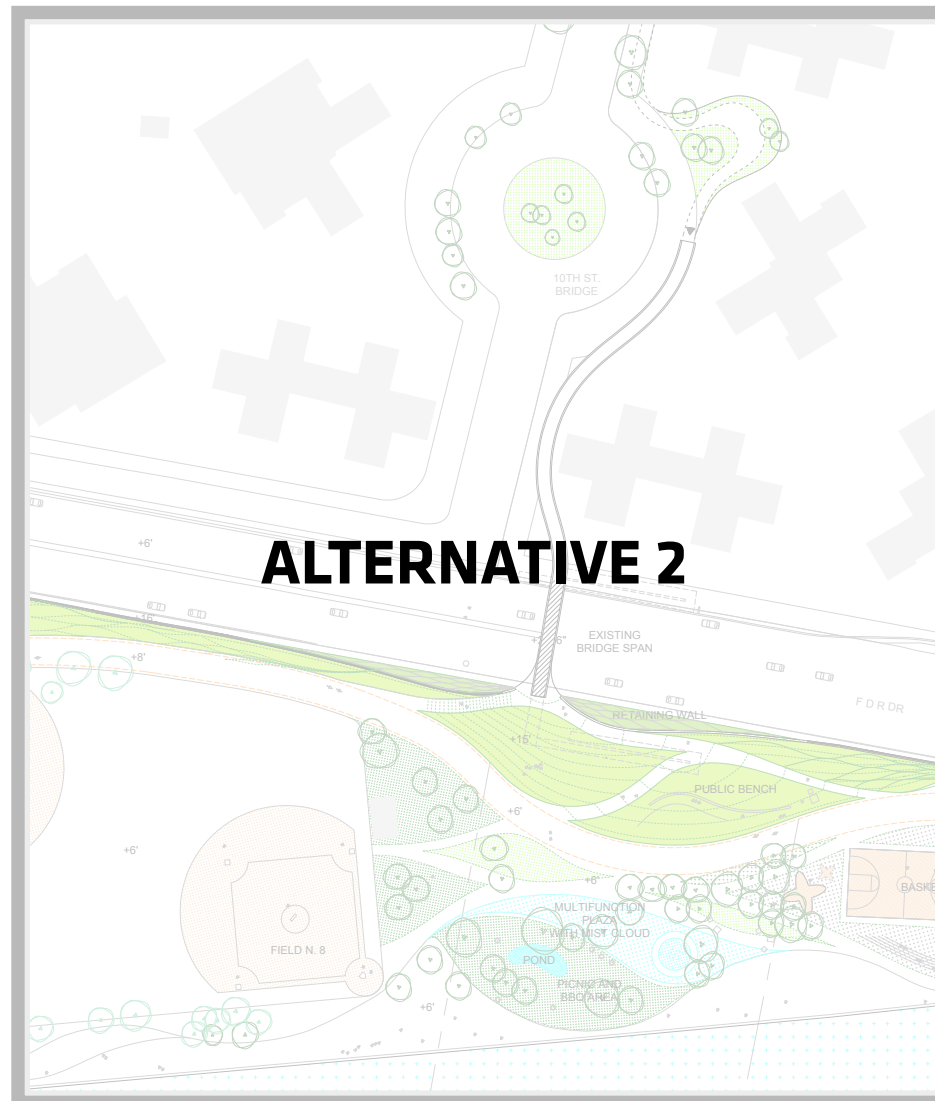
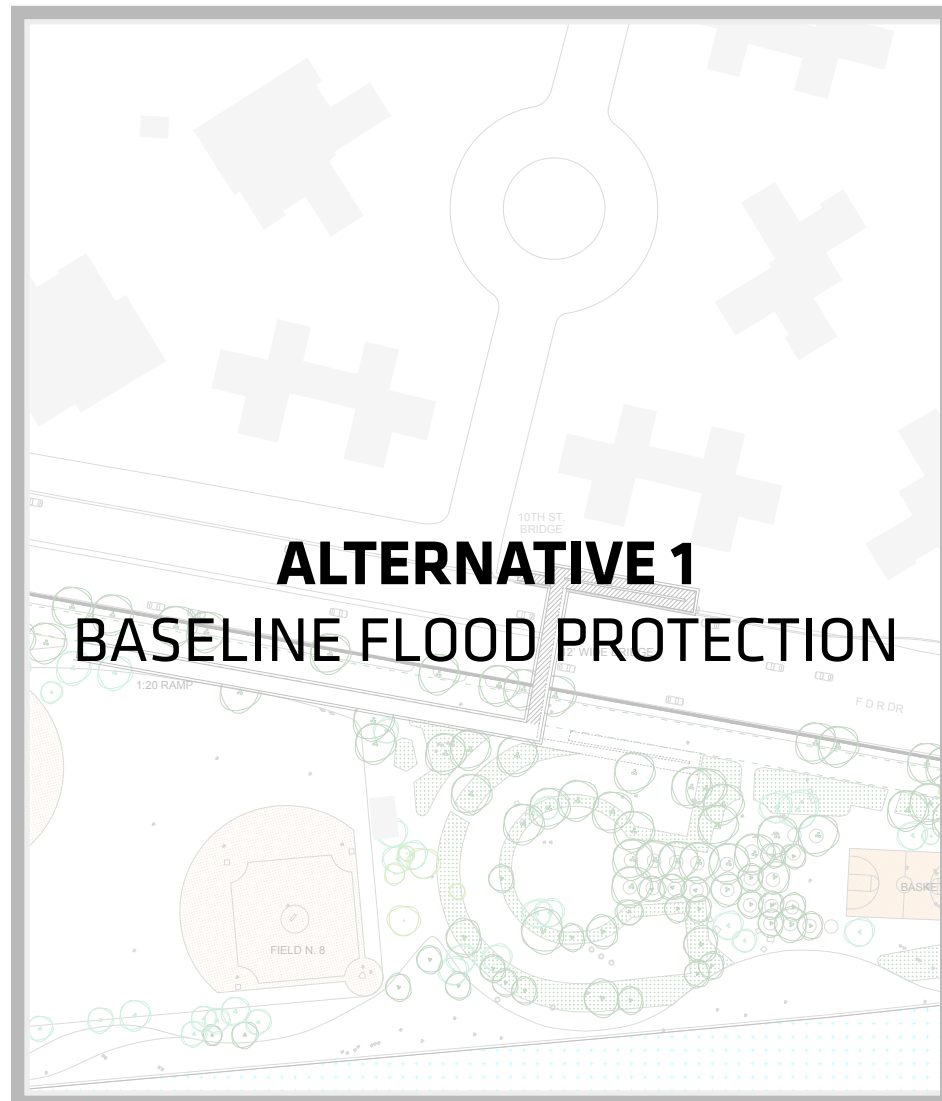
I.E., WHICH OF THESE IMPROVEMENTS WOULD BE THE MOST MEANINGFUL CHANGES TO THE PARK?

-DUE TO LIMITED PROJECT RESOURCES, IT IS ANTICIPATED THAT NOT ALL AREAS WILL BE ABLE TO UNDERGO HIGH OR MID-COST OPEN SPACE/ACCESS IMPROVEMENTS

-COSTS ARE STILL IN DEVELOPMENT, AND WILL BE SHARED WITH THE PUBLIC AT THE NEXT PUBLIC MEETINGS

-BASED ON FEEDBACK RECEIVED HERE, ALTERNATIVES FOR OVERALL PROJECT AREA WILL BE DEVELOPED, FOR FINAL FEEDBACK IN OCTOBER

EVALUATING THE ALTERNATIVES



FOR EACH ACCESS POINT, WE WILL DISCUSS THE FOLLOWING QUESTIONS ABOUT THE OPTIONS:

- WHICH OPTION IS THE BEST FIT FOR THIS AREA?
- WHAT DO YOU LIKE AND DISLIKE ABOUT THIS OPTION?
- WHICH OPTION WOULD PROVIDE THE BEST ACCESS TO THE PARK?
- HOW WOULD THIS OPTION IMPACT YOUR USE OF THE PARK?
- IF YOU COULD ADD OR CHANGE ANYTHING ABOUT THIS OPTION WHAT WOULD IT BE?
- HOW BIG A PRIORITY SHOULD THIS OPTION BE WITHIN THE CONTEXT OF THE ENTIRE PROJECT, AND LIMITED RESOURCES?

NEXT STEPS

NEXT STEPS

STAKEHOLDER ENGAGEMENT

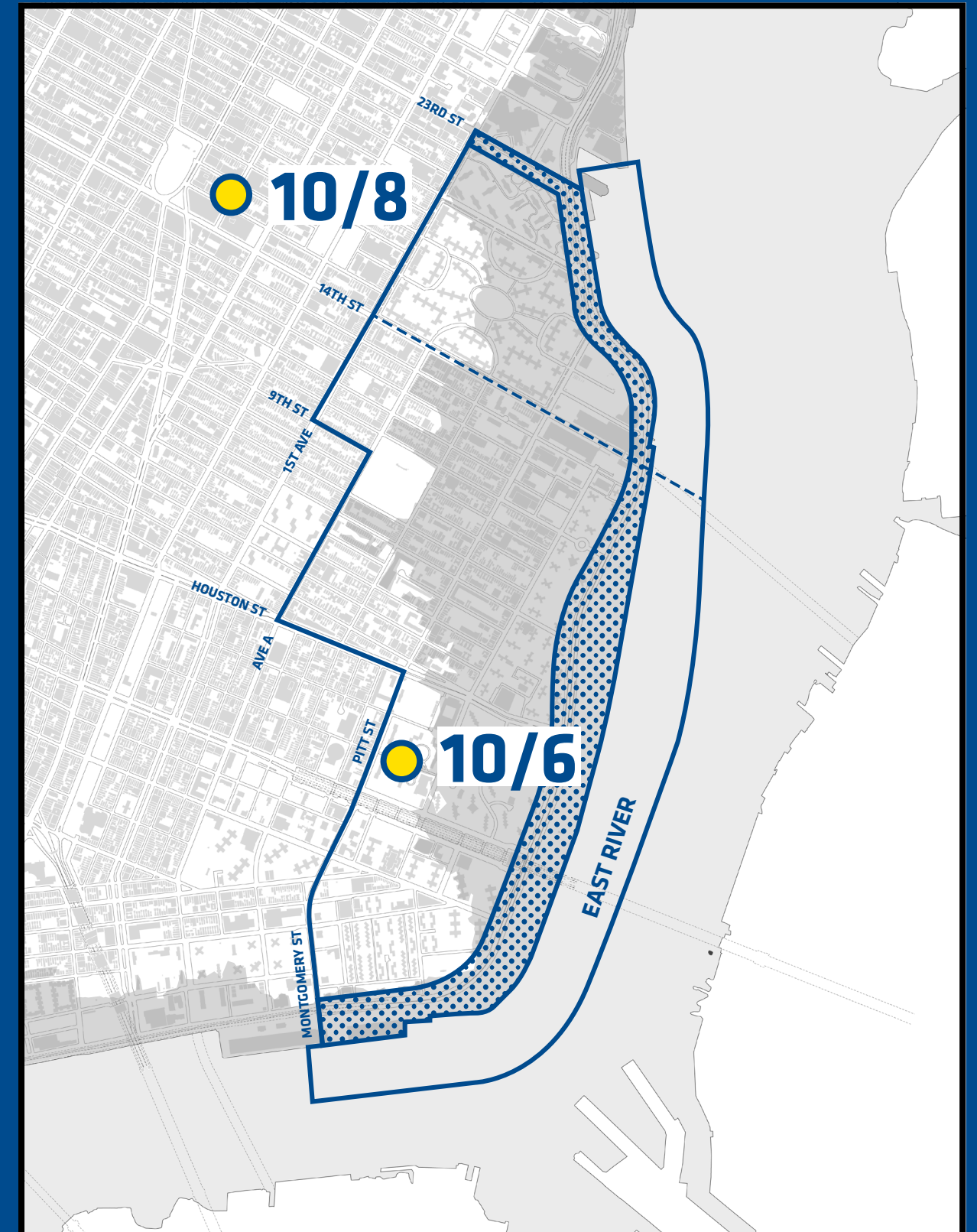
THE NEXT **COMMUNITY BOARD TASK FORCE MEETING** WILL BE HELD:

SEPTEMBER 30TH
TIME AND LOCATION TBC

THE NEXT **COMMUNITY ENGAGEMENT MEETINGS** WILL BE HELD:

OCTOBER 6TH - 6:30PM
GRAND STREET SETTLEMENT
COMMUNITY ROOM
80 PITT STREET

OCTOBER 8TH - 6:30PM
WASHINGTON IRVING HS AUDITORIUM
40 IRVING PLACE





Important Resiliency Update for Lower Manhattan

New York City is applying for funding as part of the U.S. Department of Housing and Urban Development's (HUD) National Disaster Resilience Competition (NDRC) to implement a comprehensive resiliency vision for Lower Manhattan. The proposed projects include:

1. Coastal protection for Lower Manhattan south of Montgomery Street to Battery Park
2. Stormwater management for NYCHA campuses in the Lower East Side and Two Bridges
3. Resiliency upgrades for affordable housing developments in the Lower East Side and Two Bridges

Public Hearing 1: Thursday, September 10, 2015, 7:00PM **Public Hearing 2: Monday, September 21, 2015, 7:00 PM**

Southbridge Towers Community Room
90 Beekman Street (entrance by Squire's Diner)
New York, NY 10038

Public School 2 (PS2)
122 Henry Street
New York, NY 10002

To view and comment on the City's draft application visit nyc.gov/cdbg. The application will be available for download in English, Spanish, Simplified Chinese, and Russian on September 4th.

Interpretation services available | servicios de interpretación disponibles
提供口译服务 | Услуги синхронного перевода

For more information contact: NYCResiliency@cityhall.nyc.gov

A young boy with brown hair, wearing a white t-shirt and patterned shorts, is running barefoot across a lush green lawn. In the background, a dense line of trees separates the park from a city skyline featuring several tall, multi-story buildings. The scene is bathed in the warm, golden light of late afternoon or early evening. Other people are visible in the distance, some sitting on the grass and others walking.

#ONENYC

nyc.gov/resiliency

QUESTIONS/DISCUSSION

E: nycresiliency@cityhall.nyc.gov

Twitter: @NYClimate

FAQ'S

HOW LONG IS CONSTRUCTION EXPECTED TO LAST?

WILL THE ENTIRE PARK/AREA BE UNDER CONSTRUCTION ALL AT ONCE?

WHEN WILL THE ENVIRONMENTAL IMPACT STATEMENT BE PREPARED?

WILL THE PUBLIC BE ABLE TO CONTINUE TO BE INVOLVED AND PROVIDE COMMENTS/SUGGESTIONS AS THE PROJECT MOVES FORWARD?

REPORT BACK

REPORT BACK

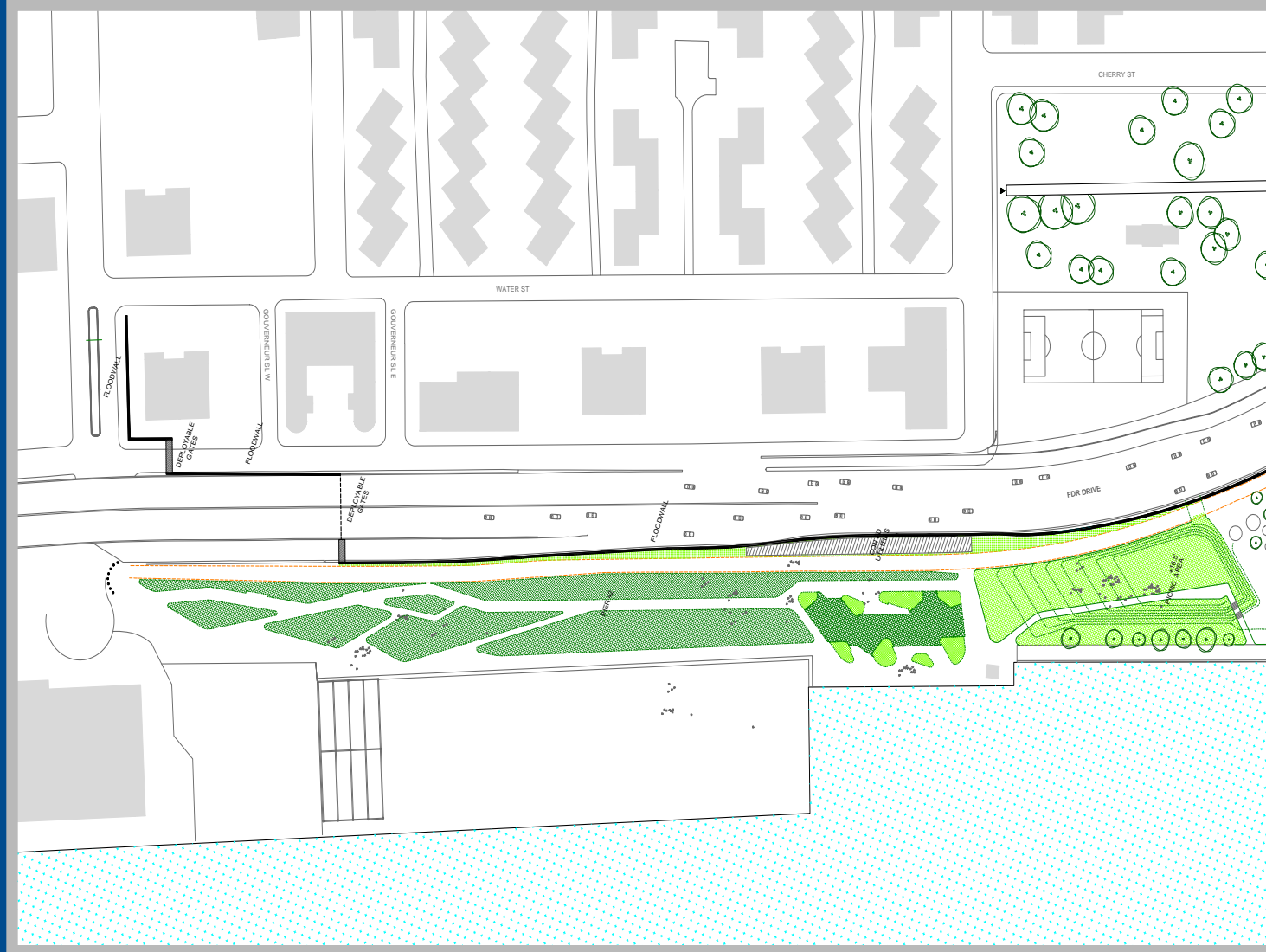
DESIGN ALTERNATIVES



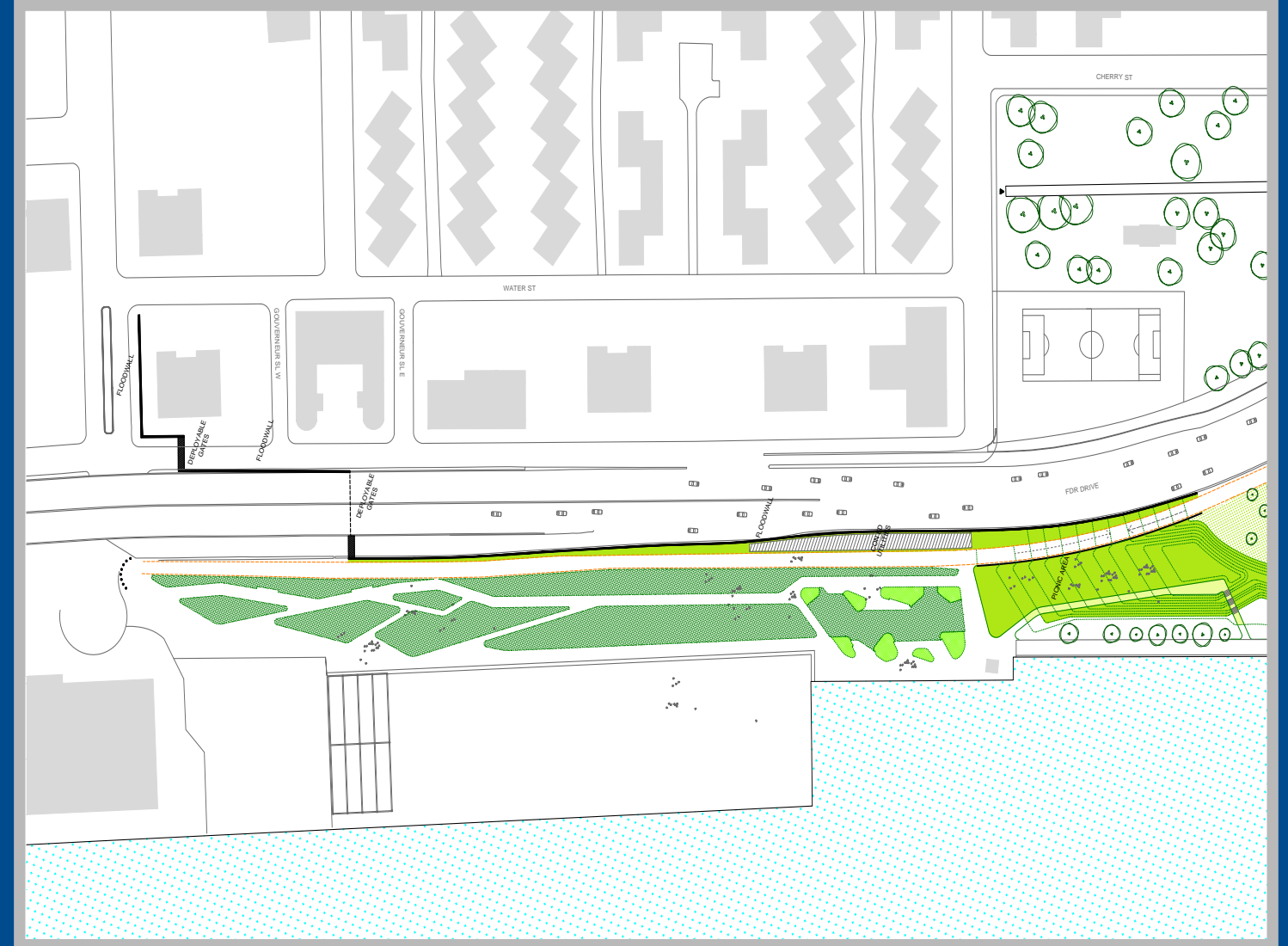
MONTGOMERY STREET

REPORT BACK

DESIGN ALTERNATIVES



ALTERNATIVE 1

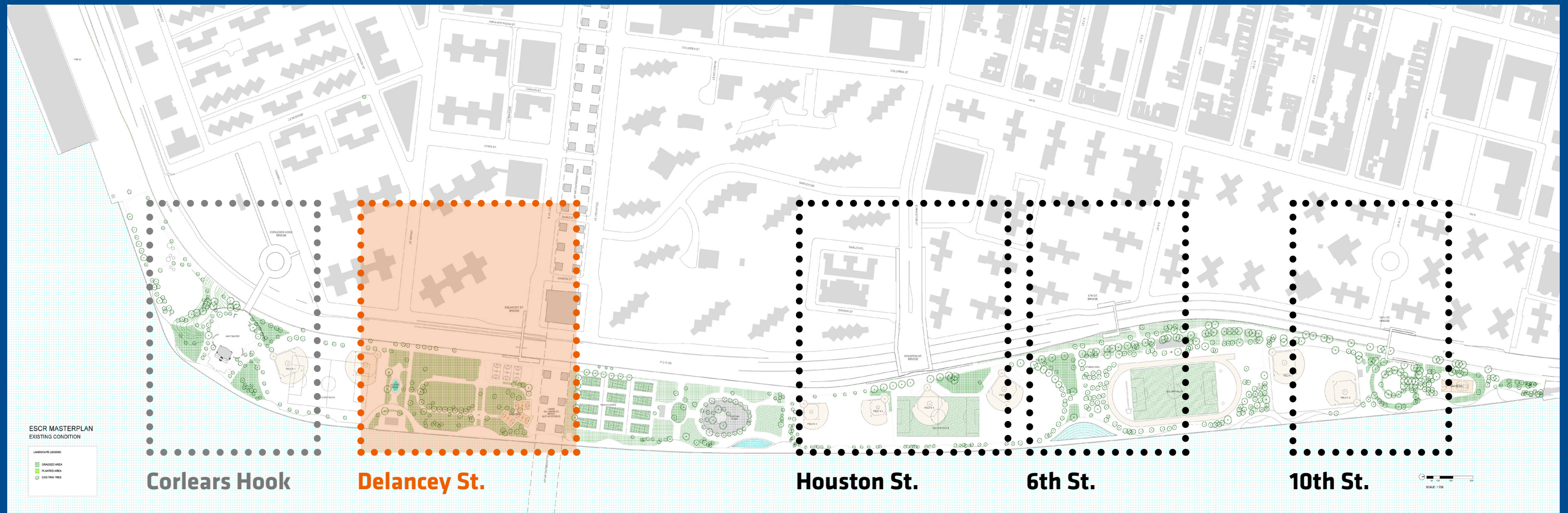


ALTERNATIVE 2

MONTGOMERY STREET

REPORT BACK

DESIGN ALTERNATIVES



DELANCEY STREET

REPORT BACK

DESIGN ALTERNATIVES



ALTERNATIVE 1
BASELINE FLOOD PROTECTION



ALTERNATIVE 2

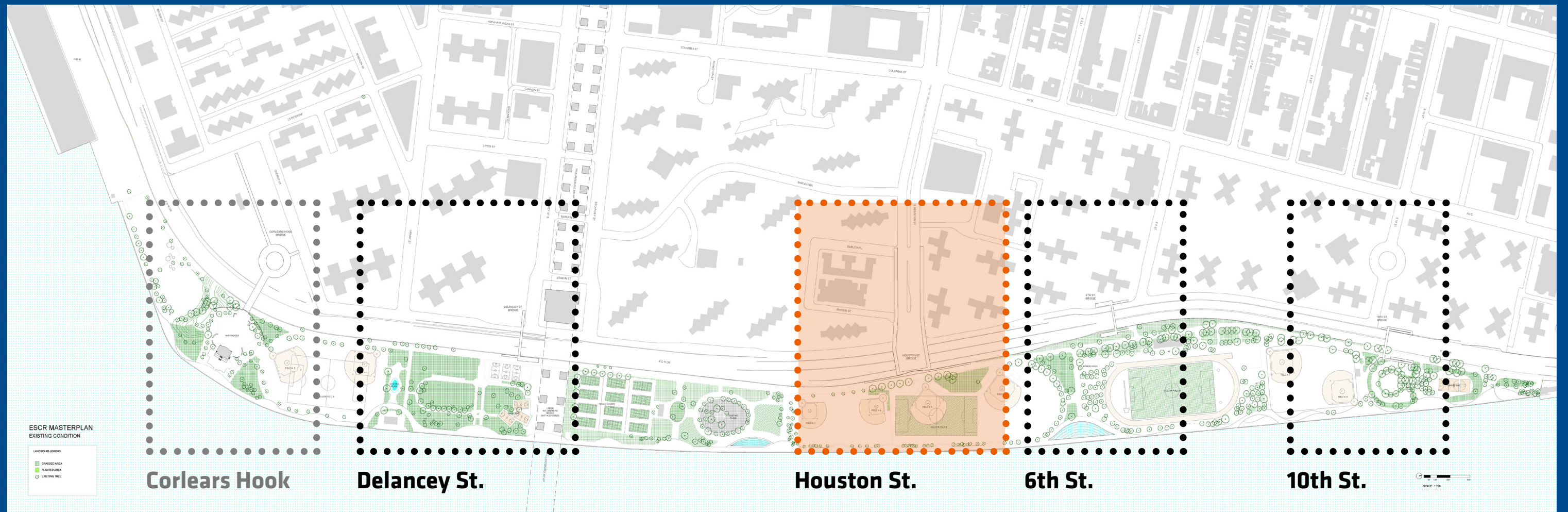


ALTERNATIVE 3

DELANCEY STREET

REPORT BACK

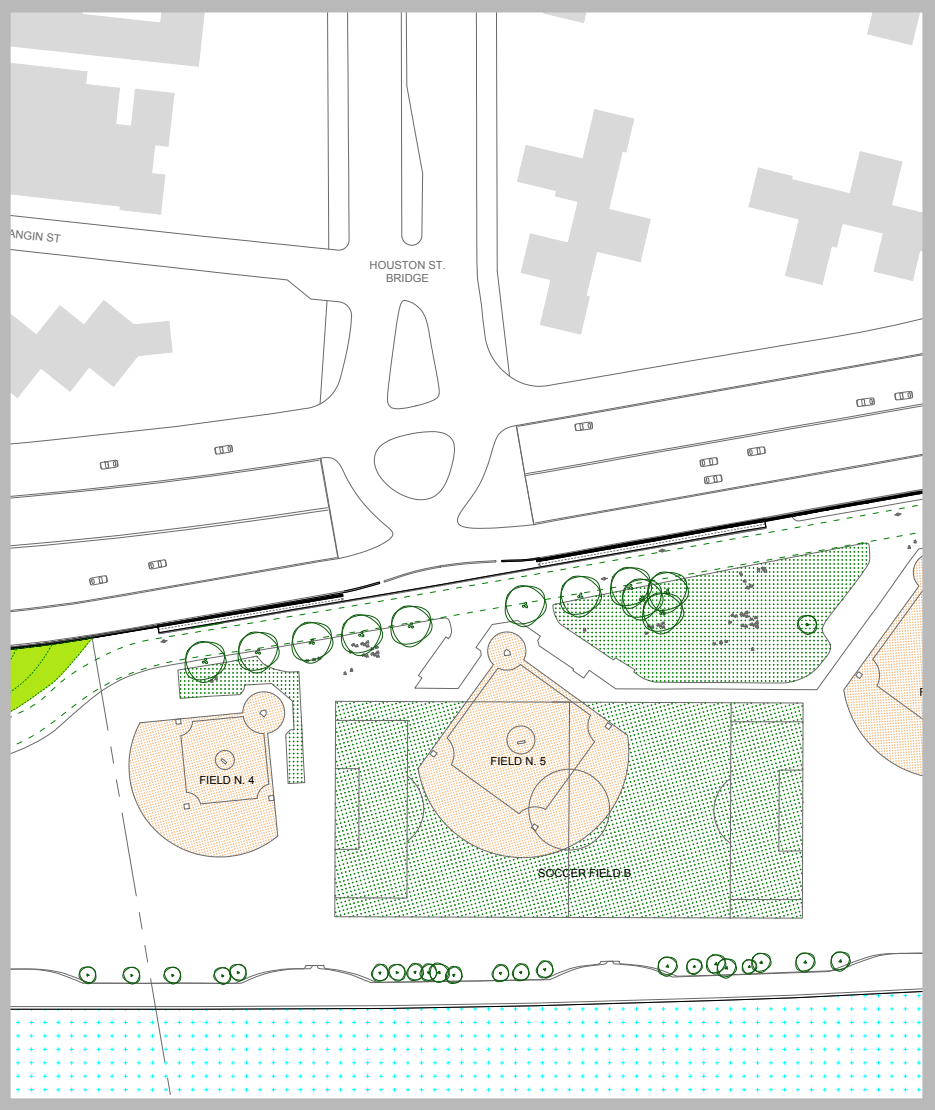
DESIGN ALTERNATIVES



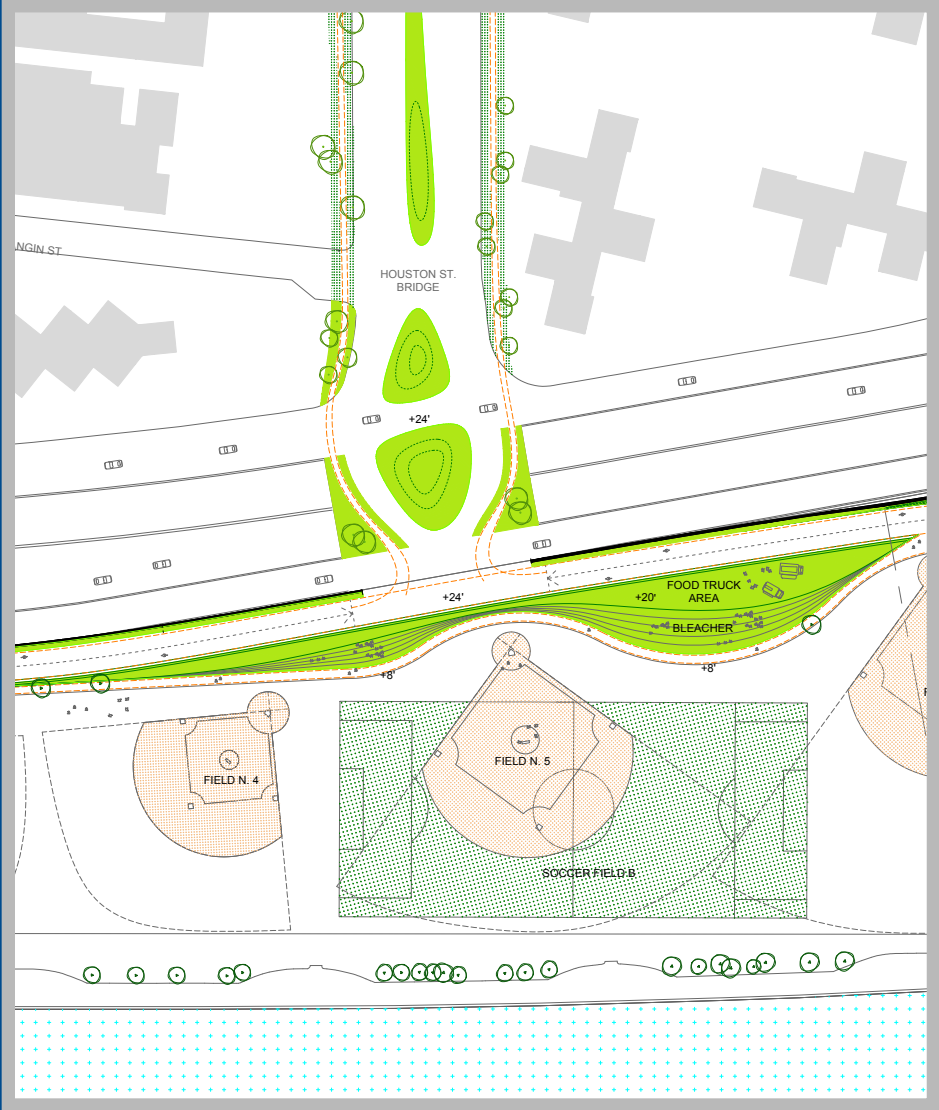
HOUSTON STREET

REPORT BACK

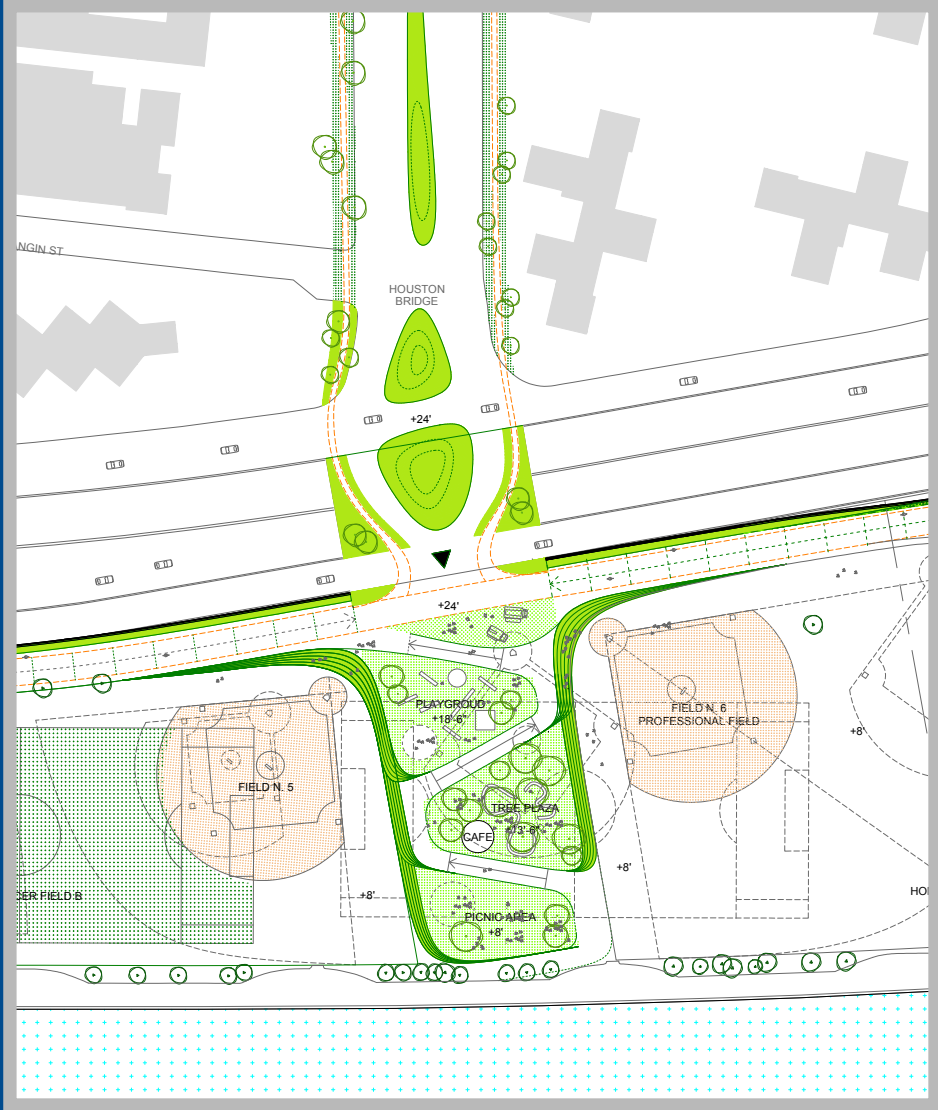
DESIGN ALTERNATIVES



ALTERNATIVE 1
BASELINE FLOOD PROTECTION



ALTERNATIVE 2

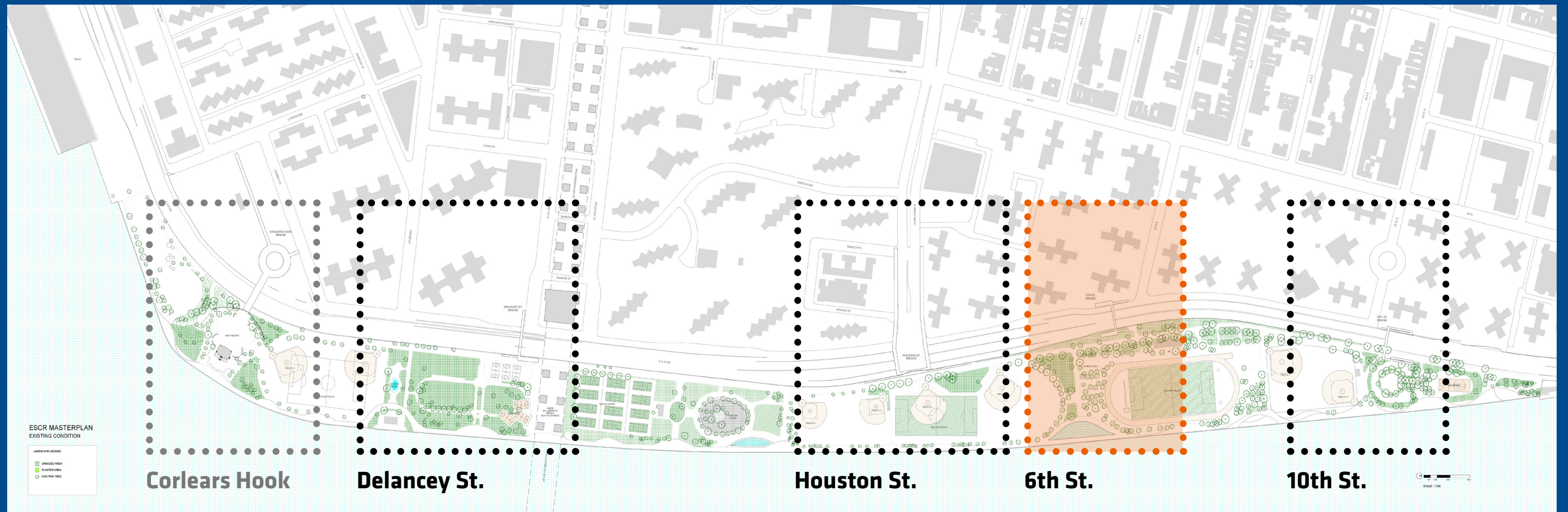


ALTERNATIVE 3

HOUSTON STREET

REPORT BACK

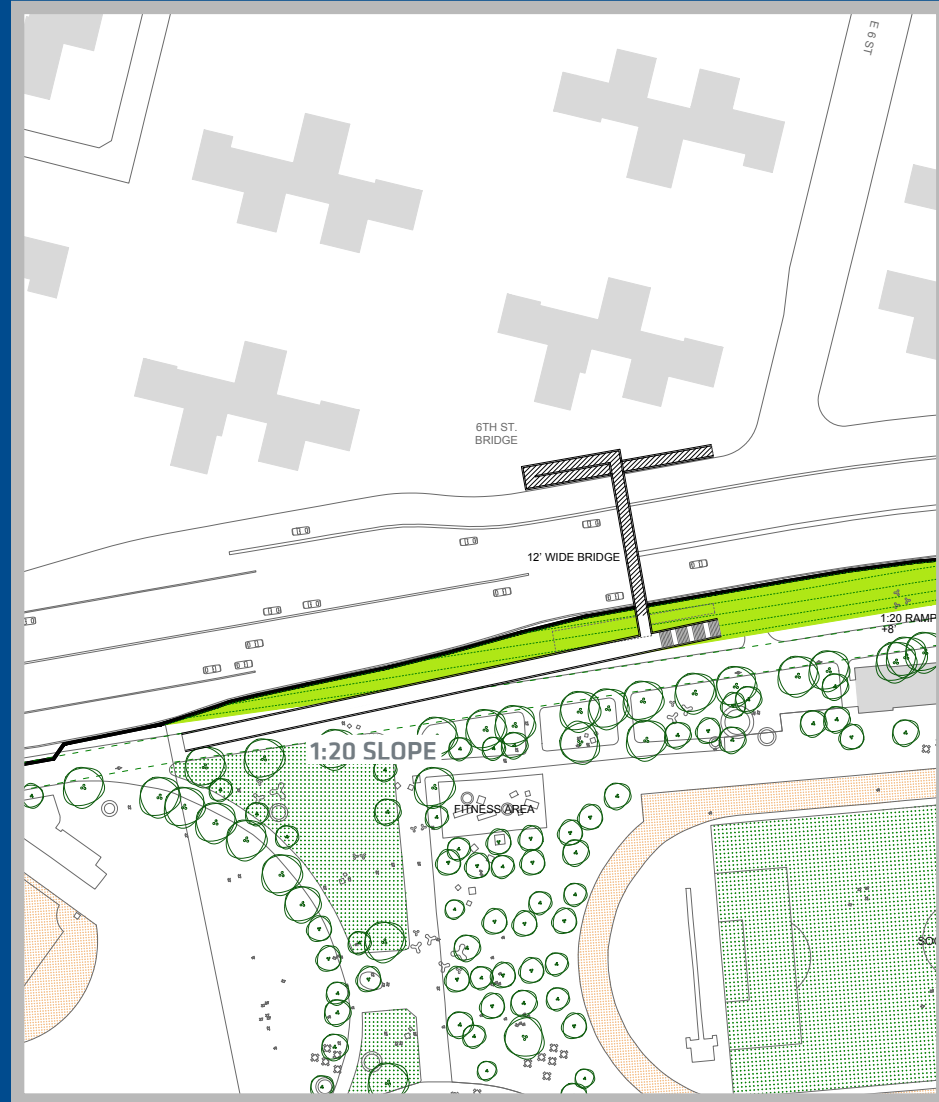
DESIGN ALTERNATIVES



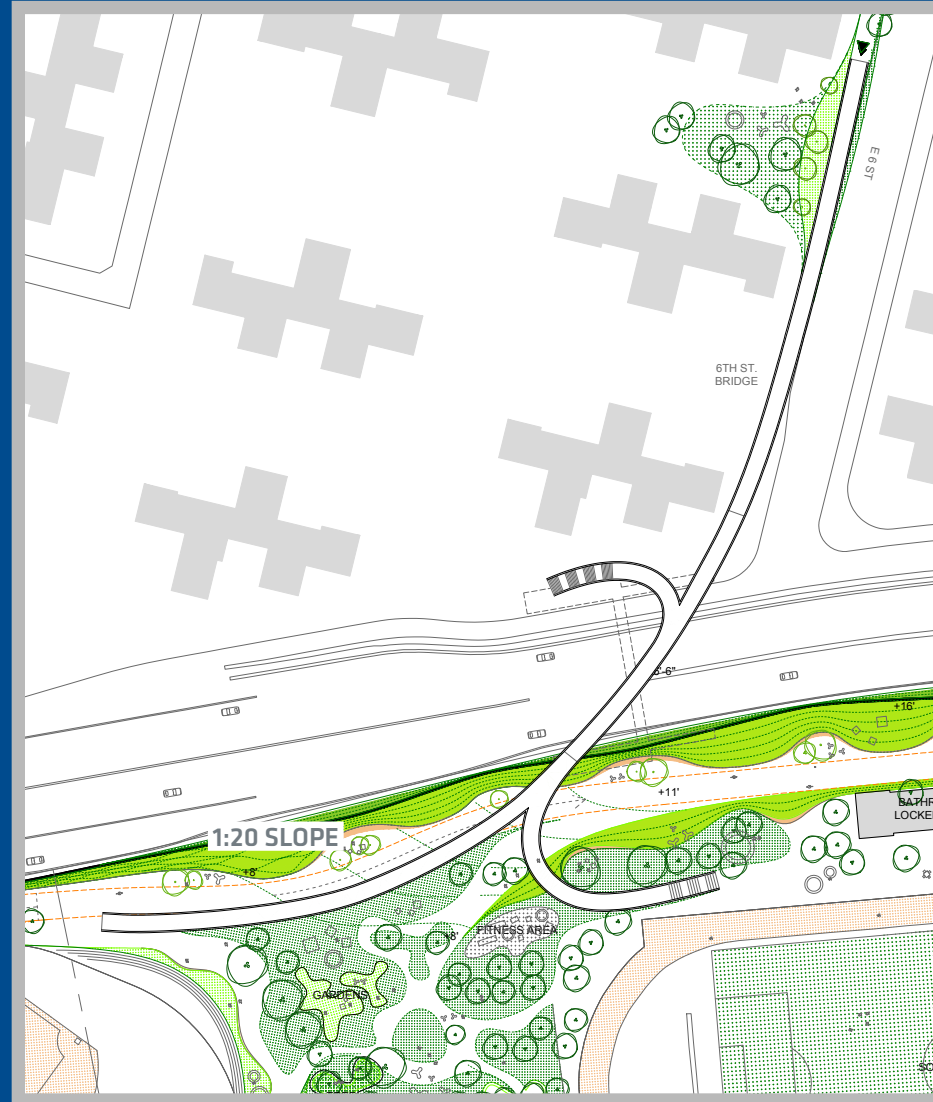
6TH STREET

REPORT BACK

DESIGN ALTERNATIVES



ALTERNATIVE 1
BASELINE FLOOD PROTECTION



ALTERNATIVE 2

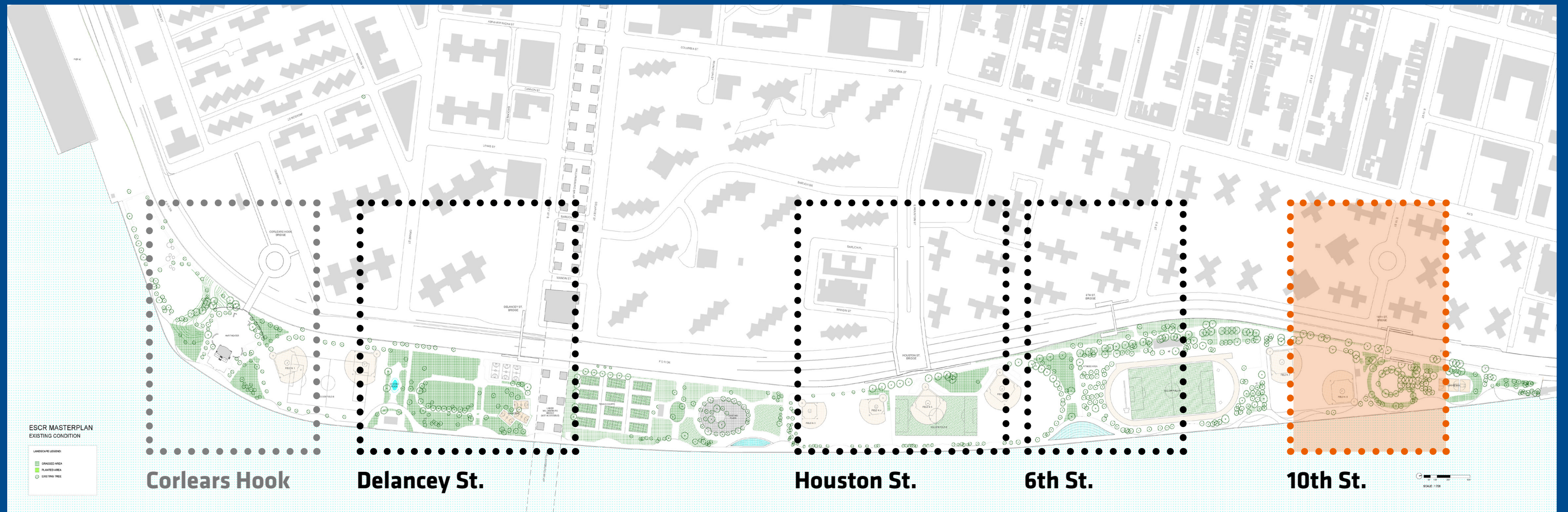


ALTERNATIVE 3

6TH STREET

REPORT BACK

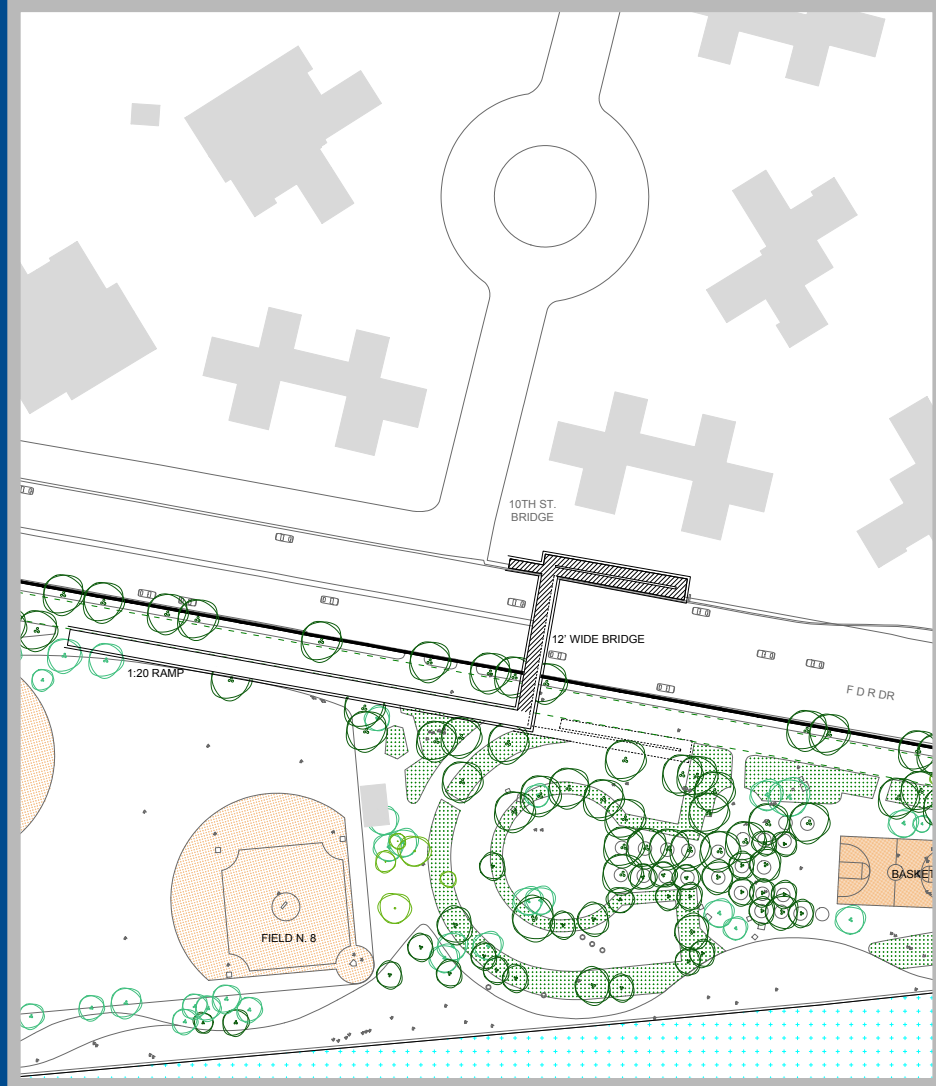
DESIGN ALTERNATIVES



10TH STREET

REPORT BACK

DESIGN ALTERNATIVES



ALTERNATIVE 1
BASELINE FLOOD PROTECTION



ALTERNATIVE 2



ALTERNATIVE 3

10TH STREET