

#ONENYC

Our Resilient City

East Side Coastal Resiliency Project
Oct. 29th, 2015 - Gouverneur Gardens

Gouverneur Gardens - Stakeholder Mtg.

Pier 42 Park, South St., and Montgomery St.

1. Presentation - 30 Minutes

2. Breakout Q+A Sessions - 30 Minutes

3. Wrap-Up and Report Back - 15 Minutes

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?

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WHAT HAPPENED DURING SANDY?

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

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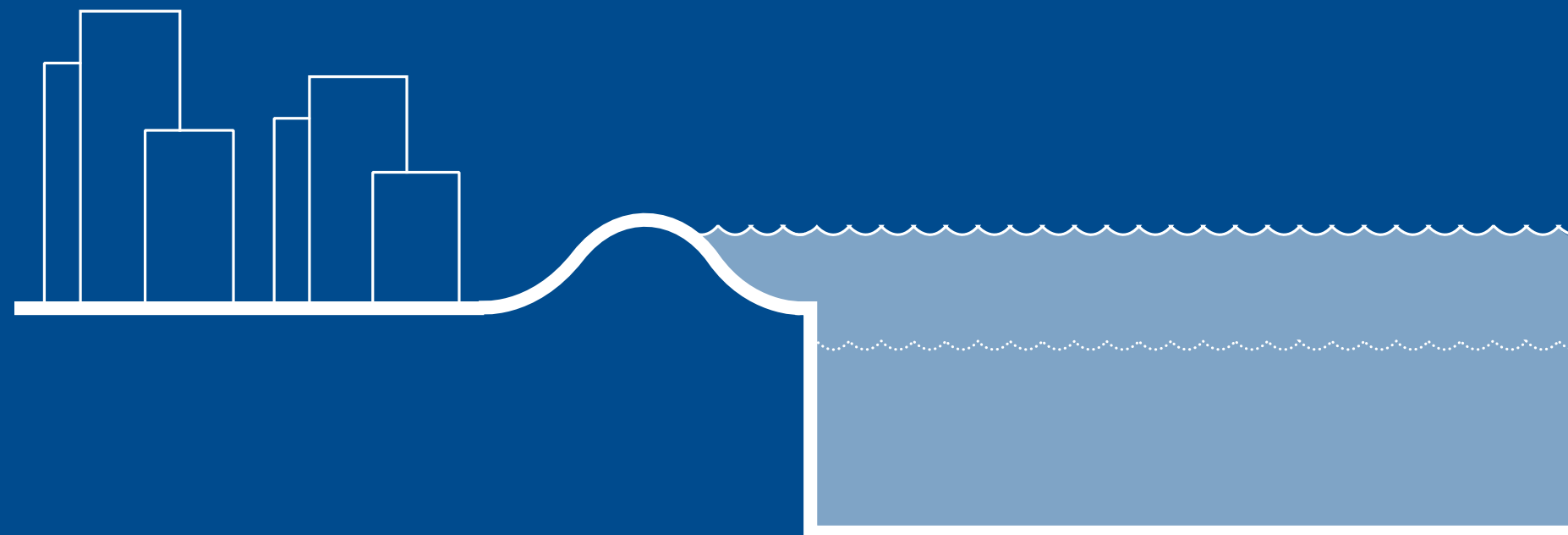


BARRIER

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

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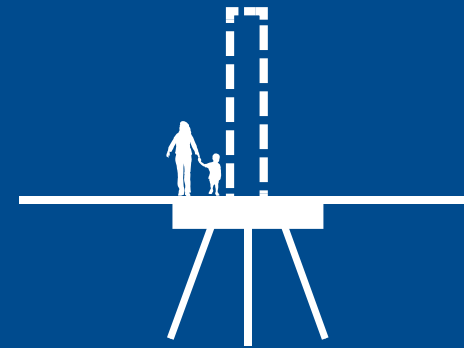


FLOOD PROTECTION

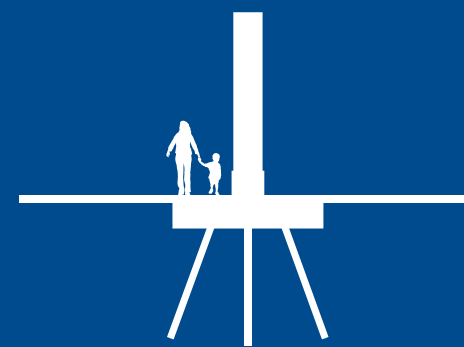
NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

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

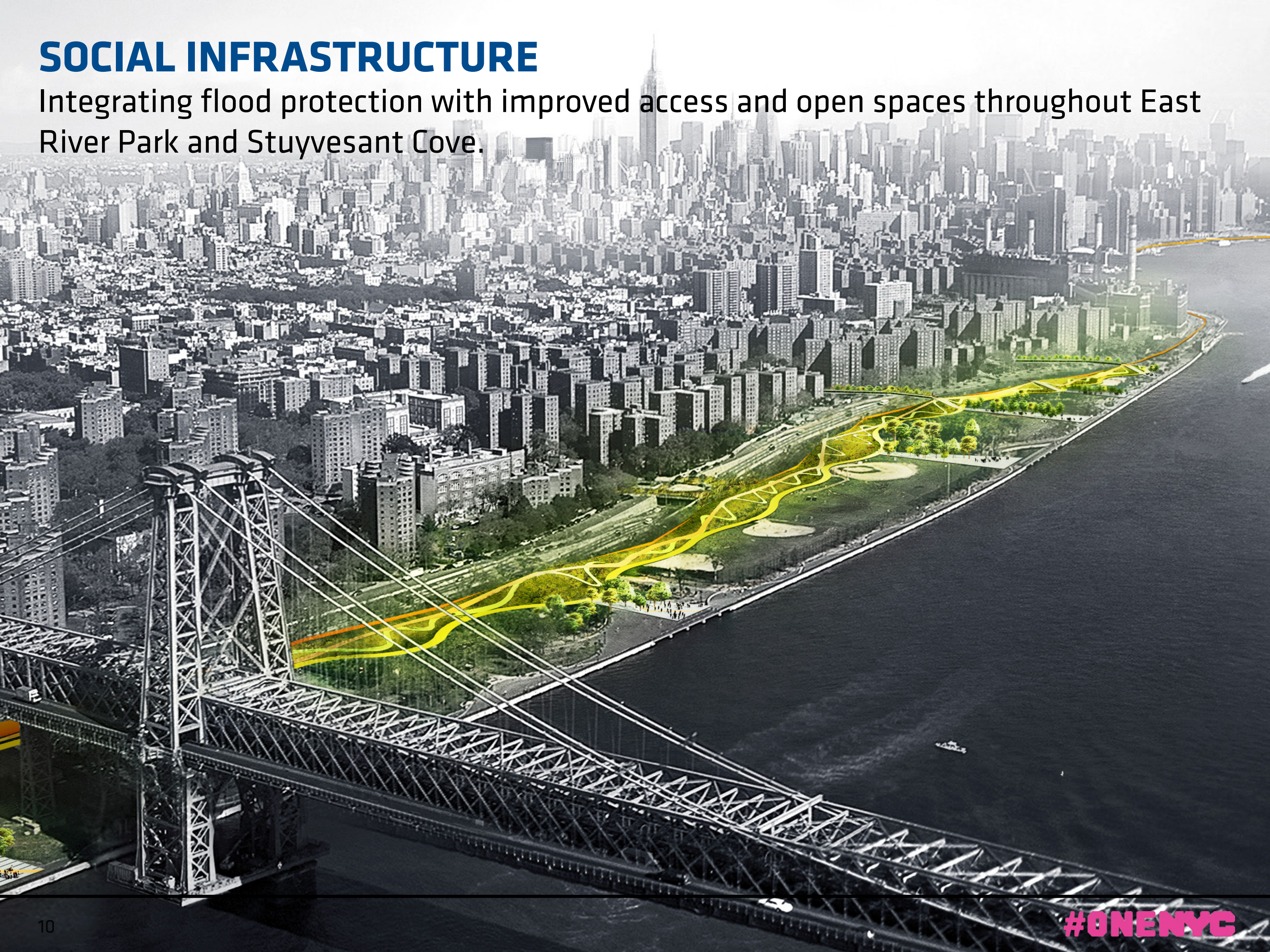
+



 RESILIENCY
INFRASTRUCTURE

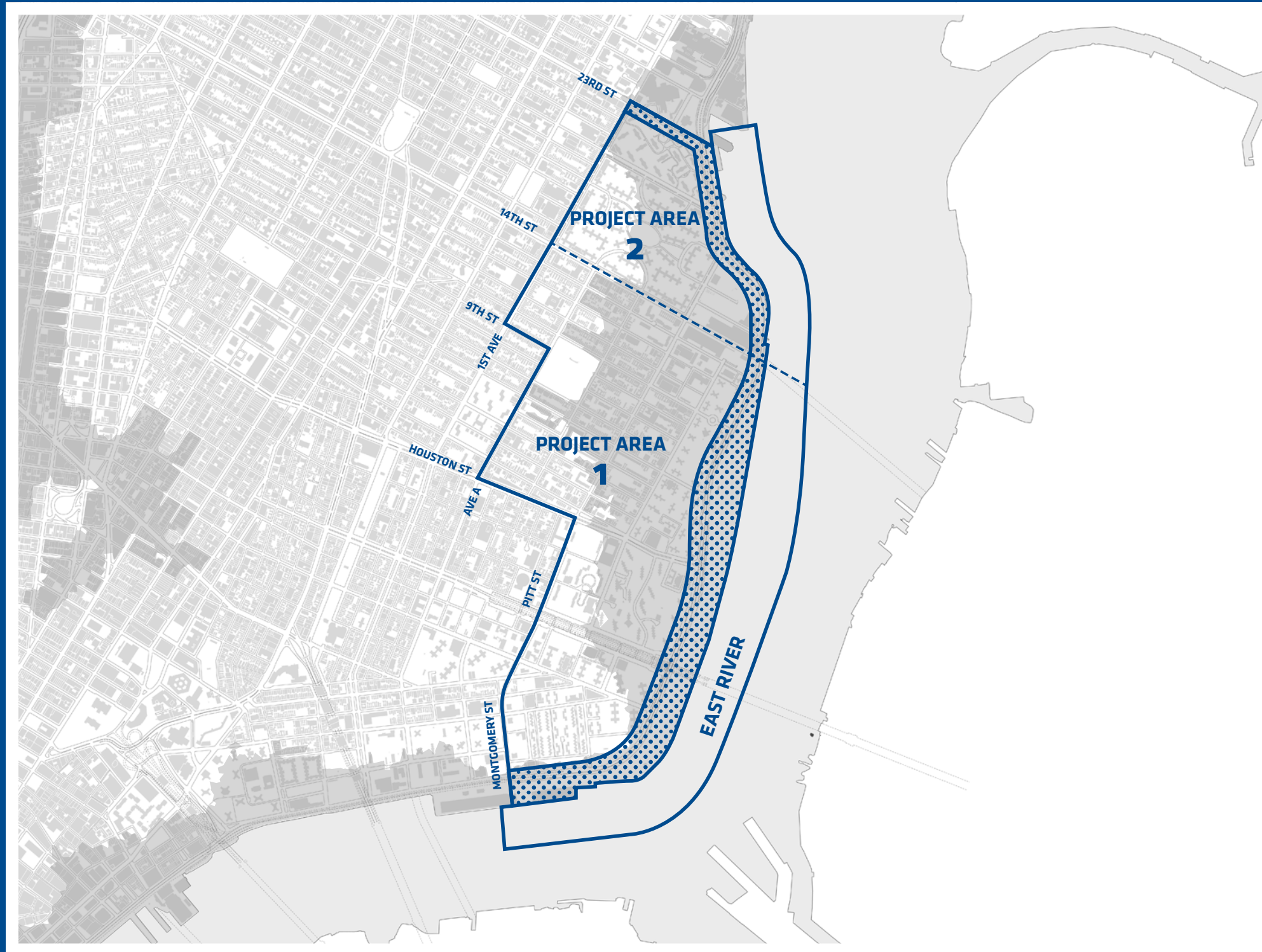
SOCIAL INFRASTRUCTURE

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



ESCR PROJECT SCOPE

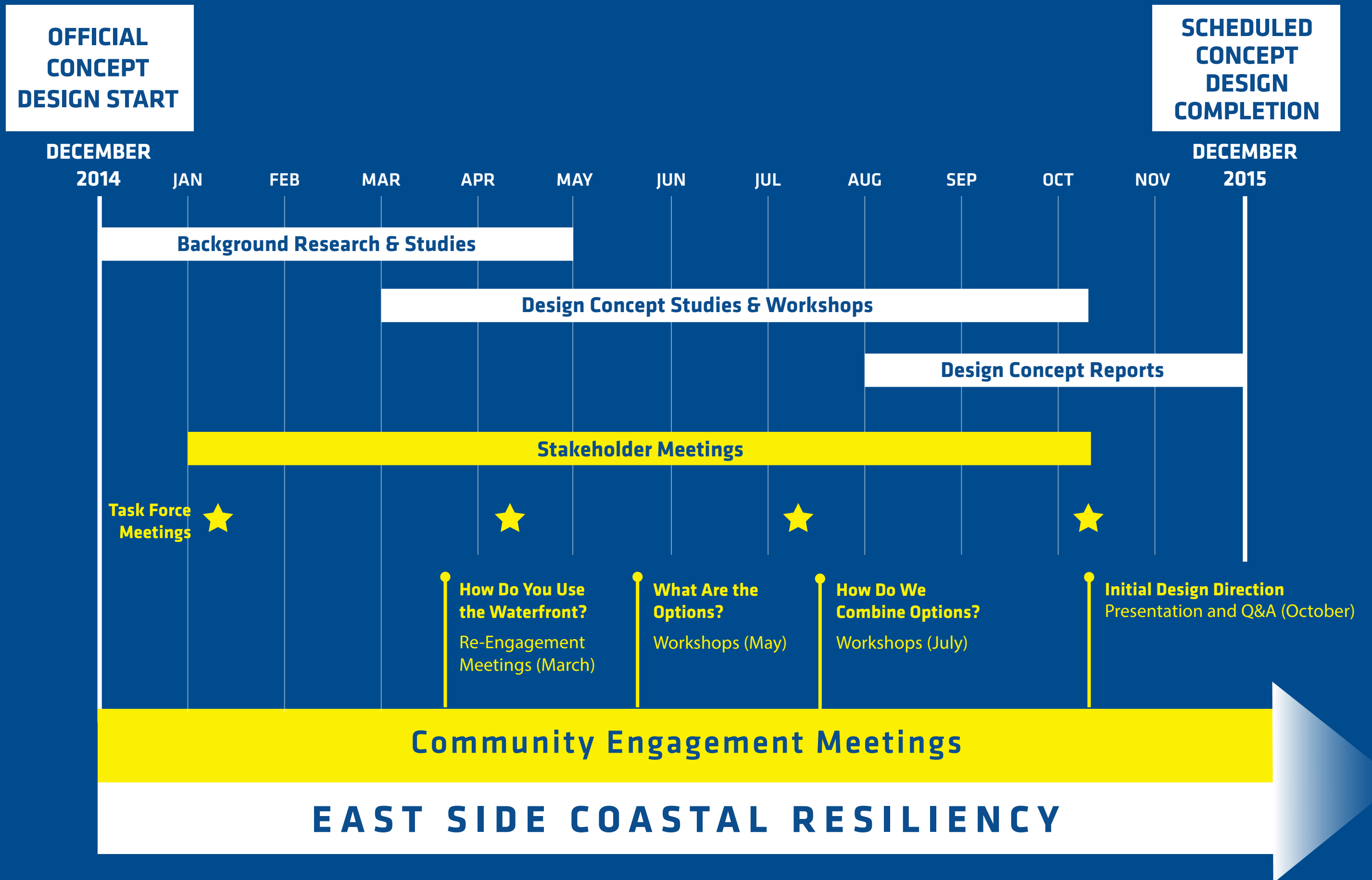
A \$335 million project to implement coastal protection from Montgomery Street to East 23rd Street.



PROJECT SCHEDULE

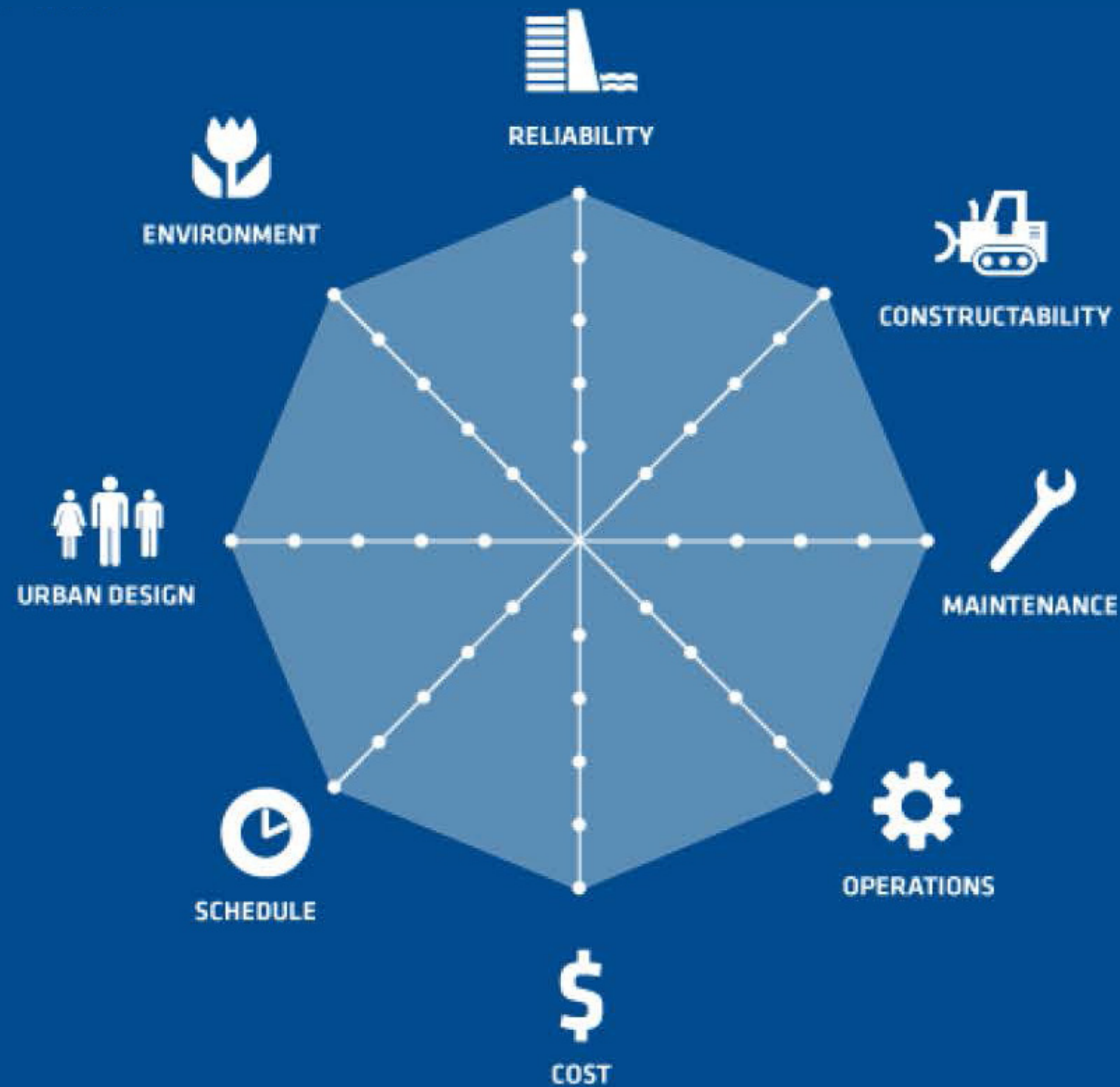
ESCR CONCEPT DESIGN TIMELINE

Project Design Work & Community Engagement



EVALUATION CRITERIA

Alternatives will continue to be evaluated according to eight major criteria:



8 CRITERIA

COMMUNITY FEEDBACK TO DATE

THREE ROUNDS OF PUBLIC WORKSHOPS

ESCR has continued the public engagement process started during Rebuild by Design - holding 9 design workshops over three rounds, with more than 700 participants.

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?

STAKEHOLDER ENGAGEMENT

In addition to the community engagement workshops and CB3/CB6 Task Force meetings, the ESCR team continues to collect 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

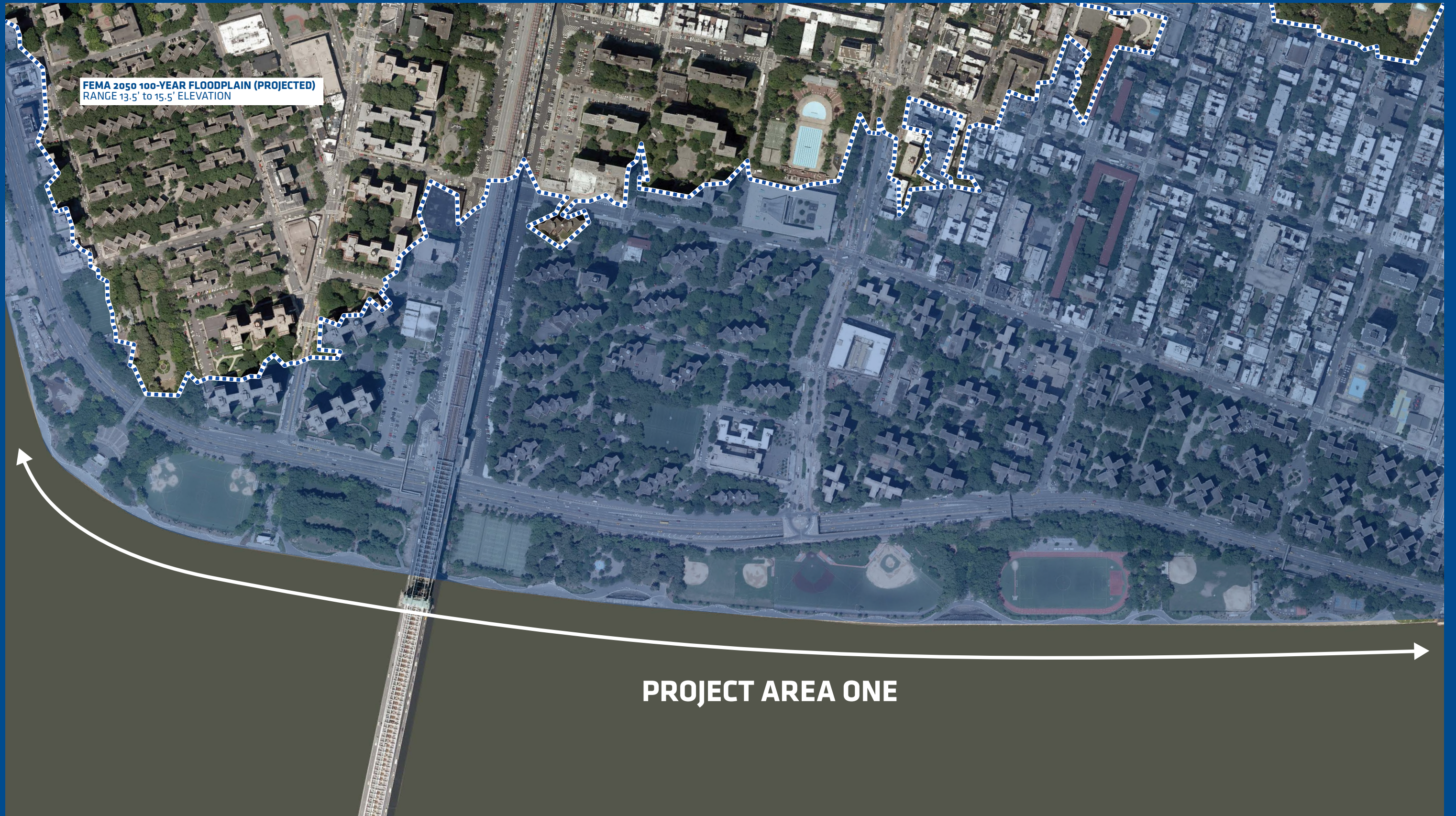
Smith

Vladeck

Wald

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 ”**

ESCR ROUND 1 - 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%



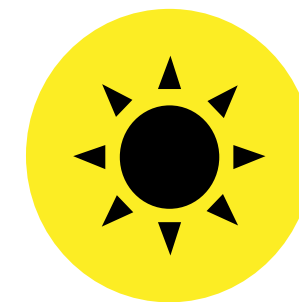
Café

55%



Horticultural displays

52%



Sunbathing

26%



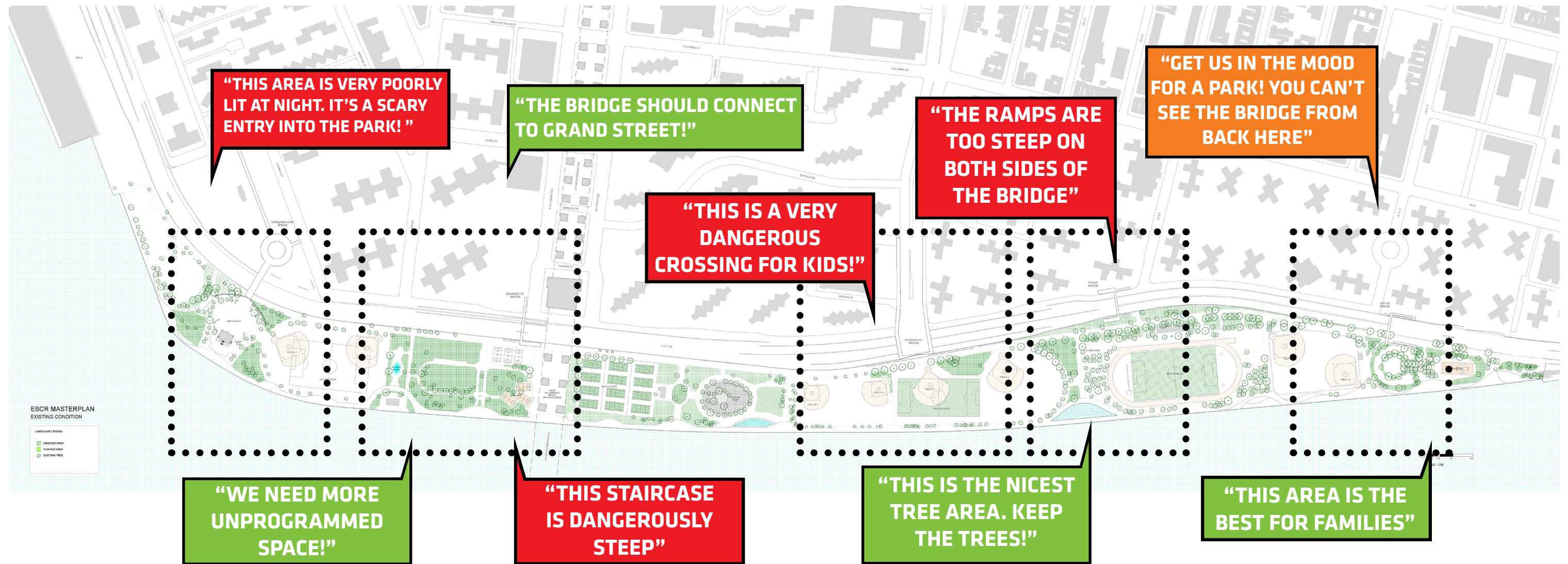
Sports (bocceball,
volleyball, kayak)

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

ESCR ROUND 2 - MAY COMMUNITY ENGAGEMENT FINDINGS

Five connection points were discussed during May design workshops. Concerns, likes, and dislikes were voiced about existing conditions in these areas of the park:

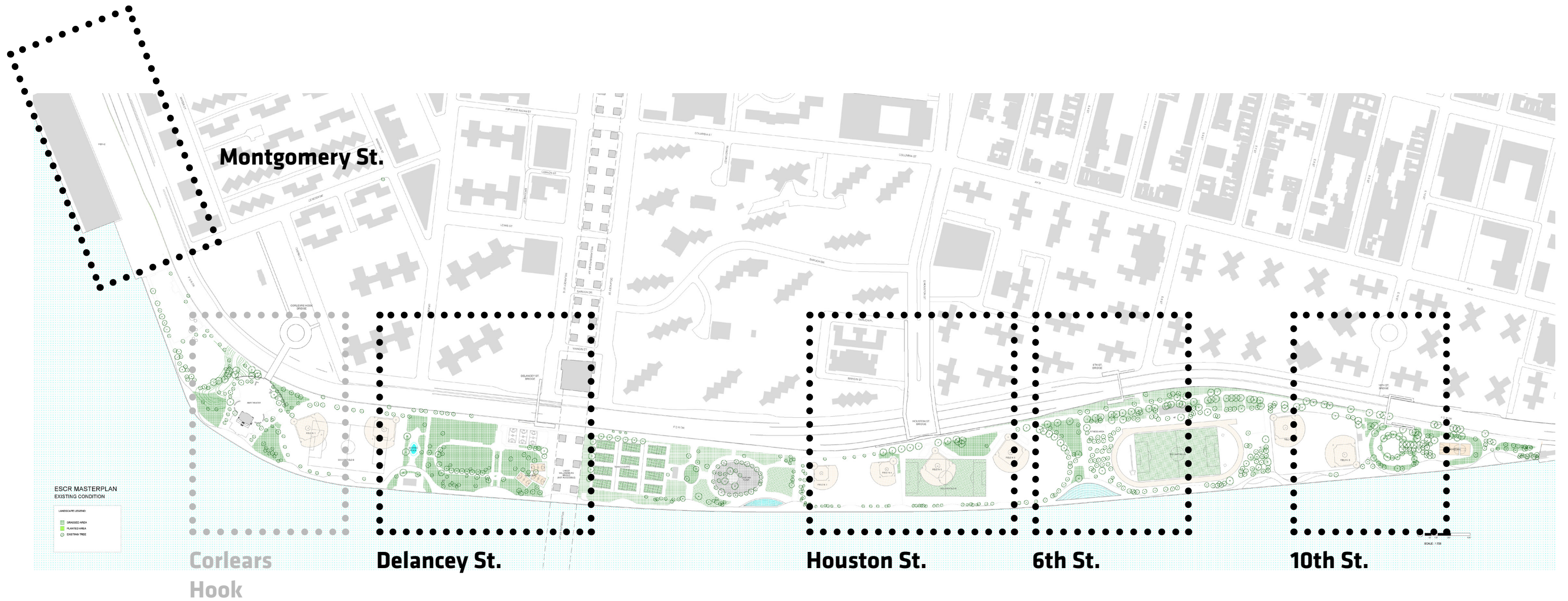


COMMUNITY FEEDBACK

PROJECT AREA ONE
ROUND 3 COMMUNITY ENGAGEMENT
FINDINGS

CONCEPTUAL DESIGN ALTERNATIVES - PA1

Five major areas of East River Park were discussed in terms of flood protection, improvement of access, and enhancement of open space:



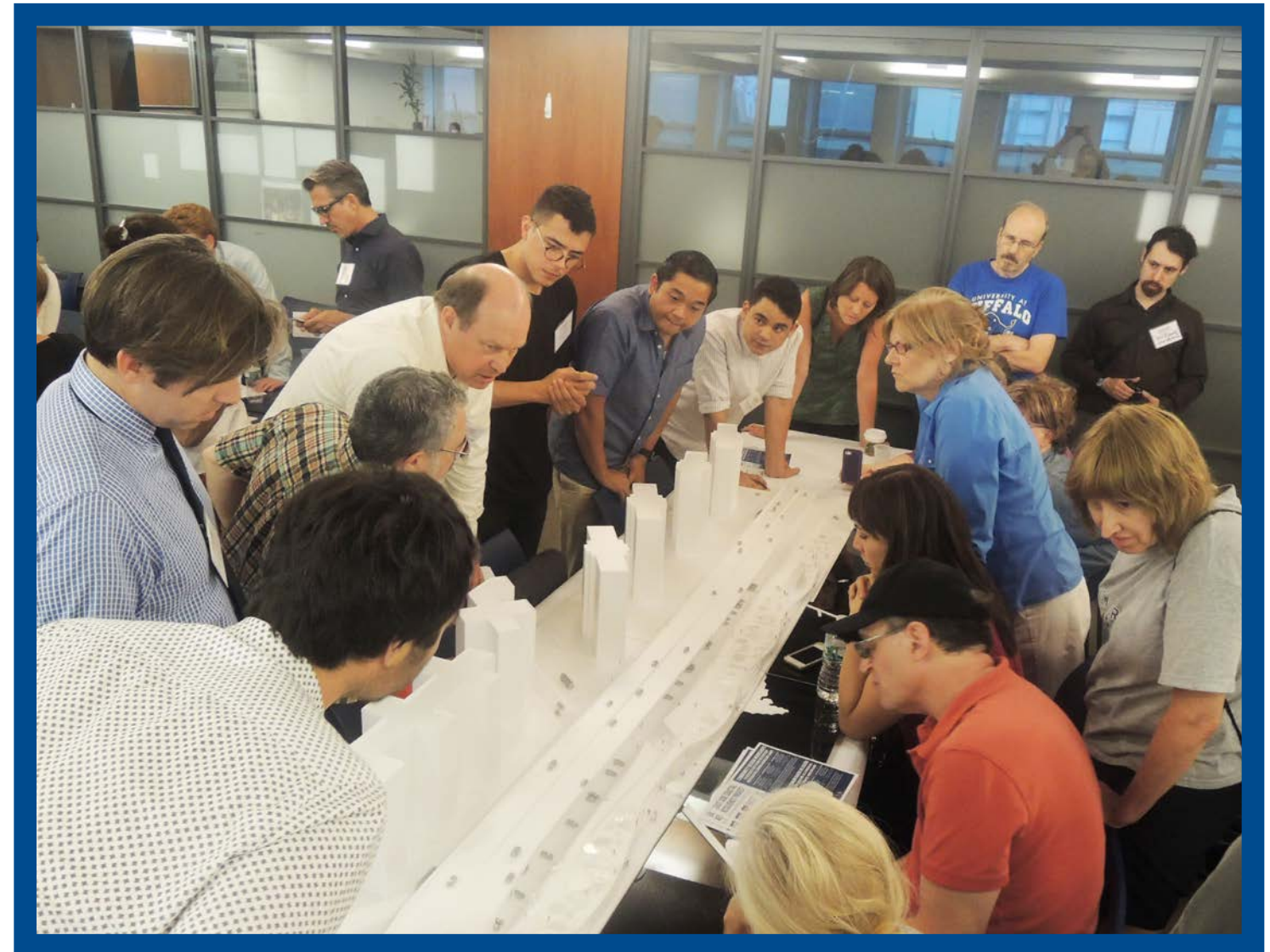
ACCESS POINTS

ROUND 3 - JULY COMMUNITY ENGAGEMENT WORKSHOPS

For its third round, the ESCR team gathered feedback about three conceptual design alternatives for PA1 and PA2, using physical models and drawings. Over 380 residents attended this third round of community engagement workshops on 07/28, 07/29, 07/30, and 09/10.



PROJECT AREA 1 WORKSHOP: SEPT. 10TH, HENRY ST SETTLEMENT

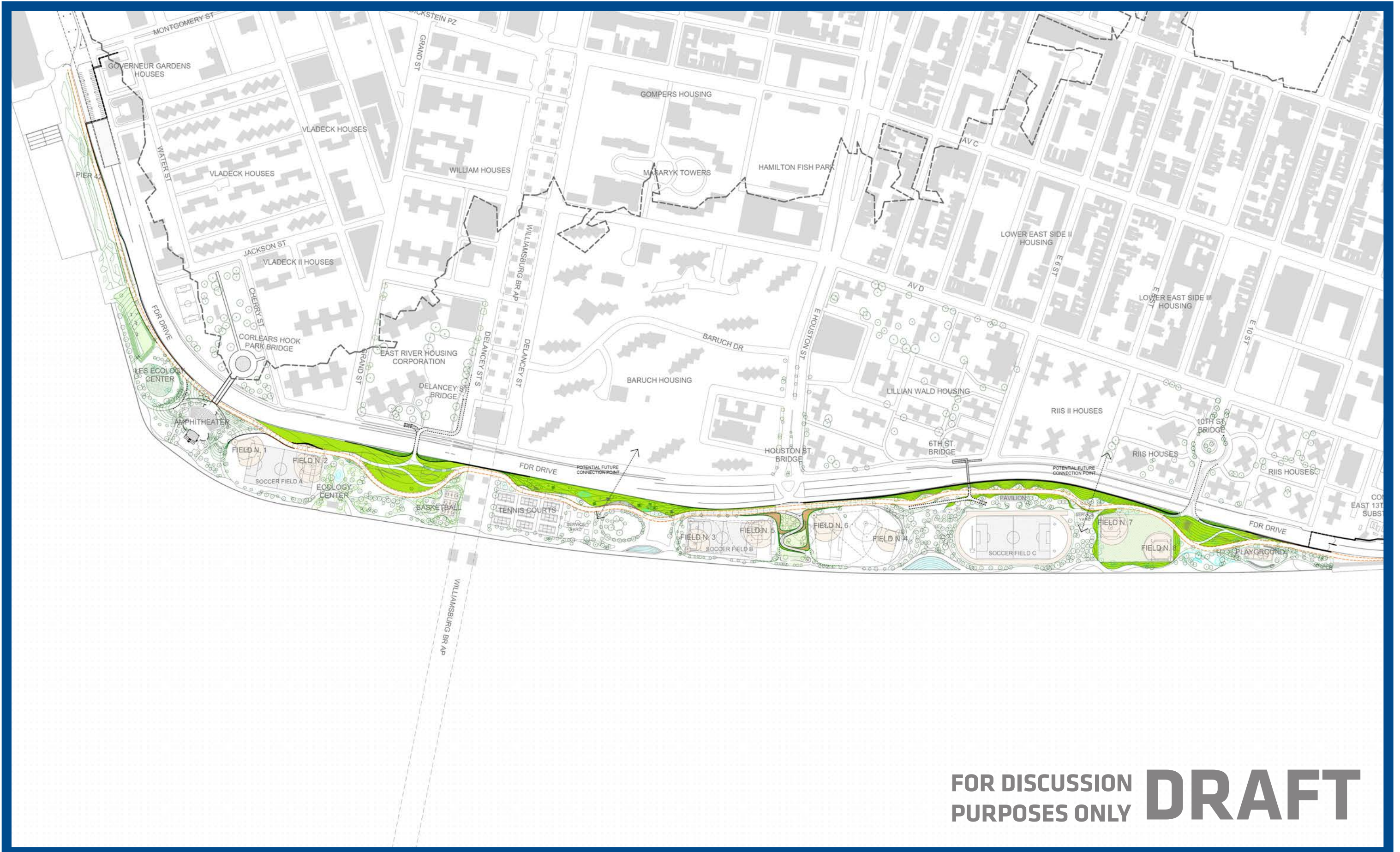


PROJECT AREA 2 WORKSHOP: JULY 28TH, STEIN SENIOR CENTRE

SYNTHESIZING COMMUNITY INPUT
INITIAL DESIGN DIRECTION

INITIAL DESIGN DIRECTION

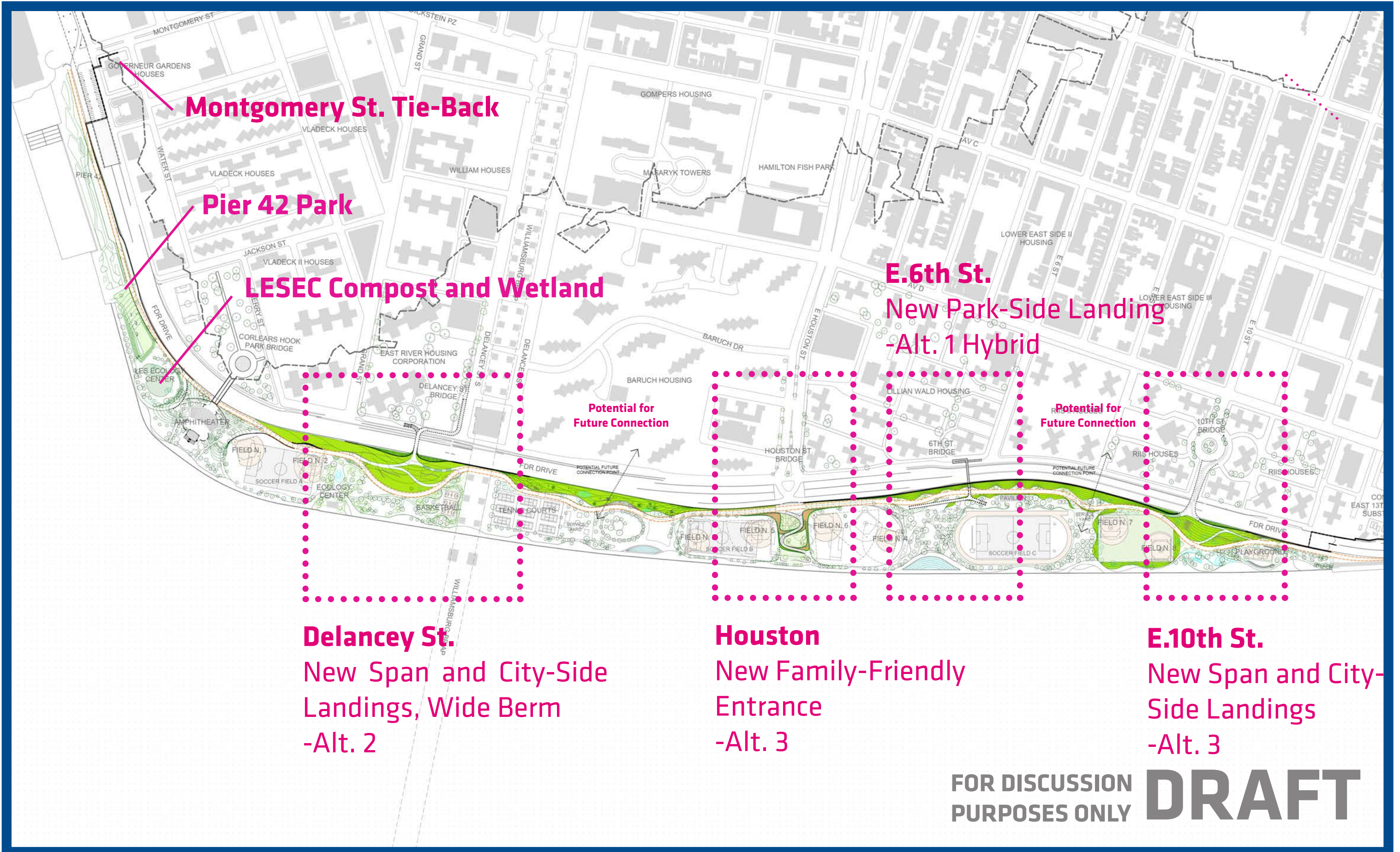
Project Area One



FOR DISCUSSION PURPOSES ONLY **DRAFT**

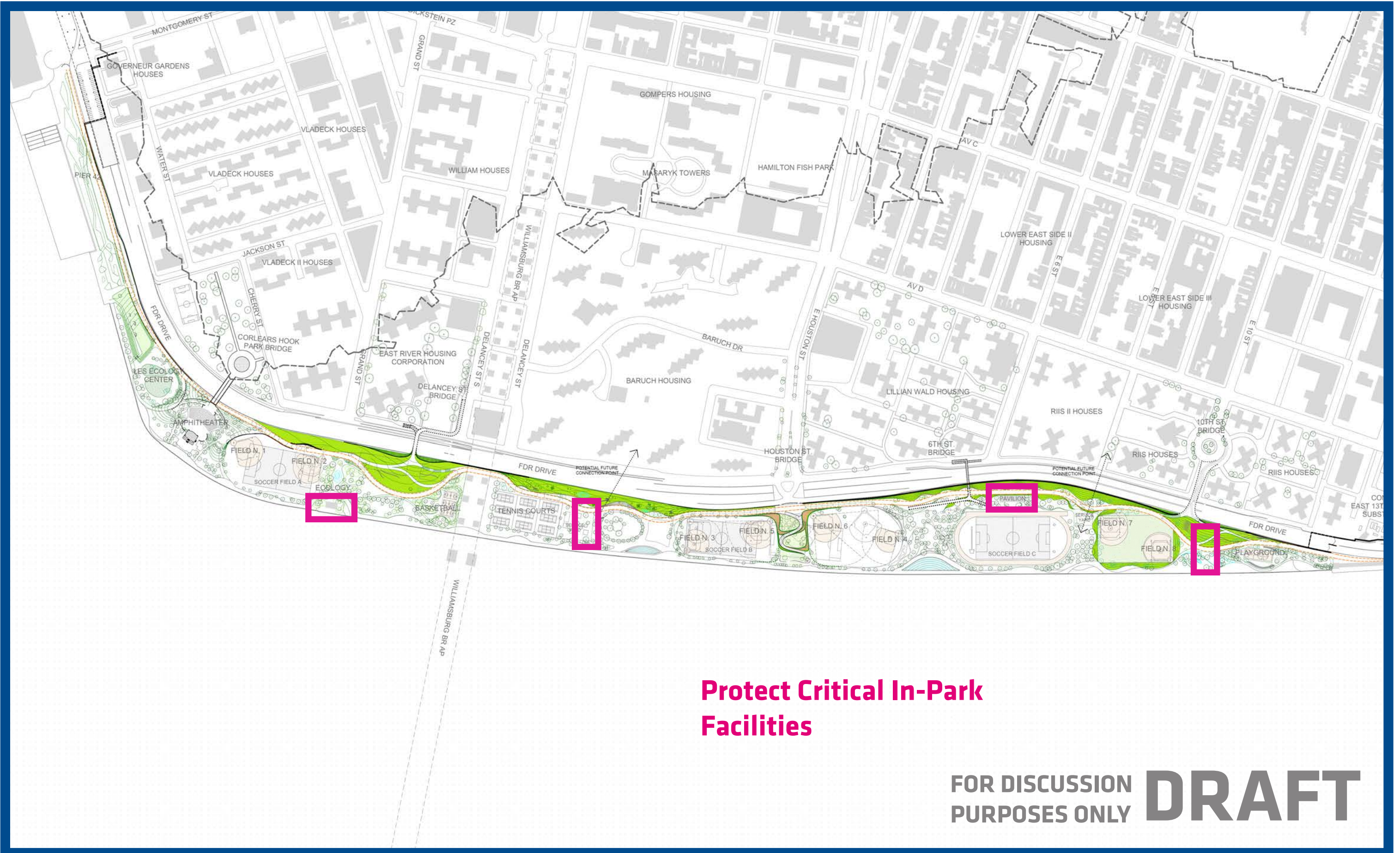
INITIAL DESIGN DIRECTION

Project Area One



INITIAL DESIGN DIRECTION

Project Area One

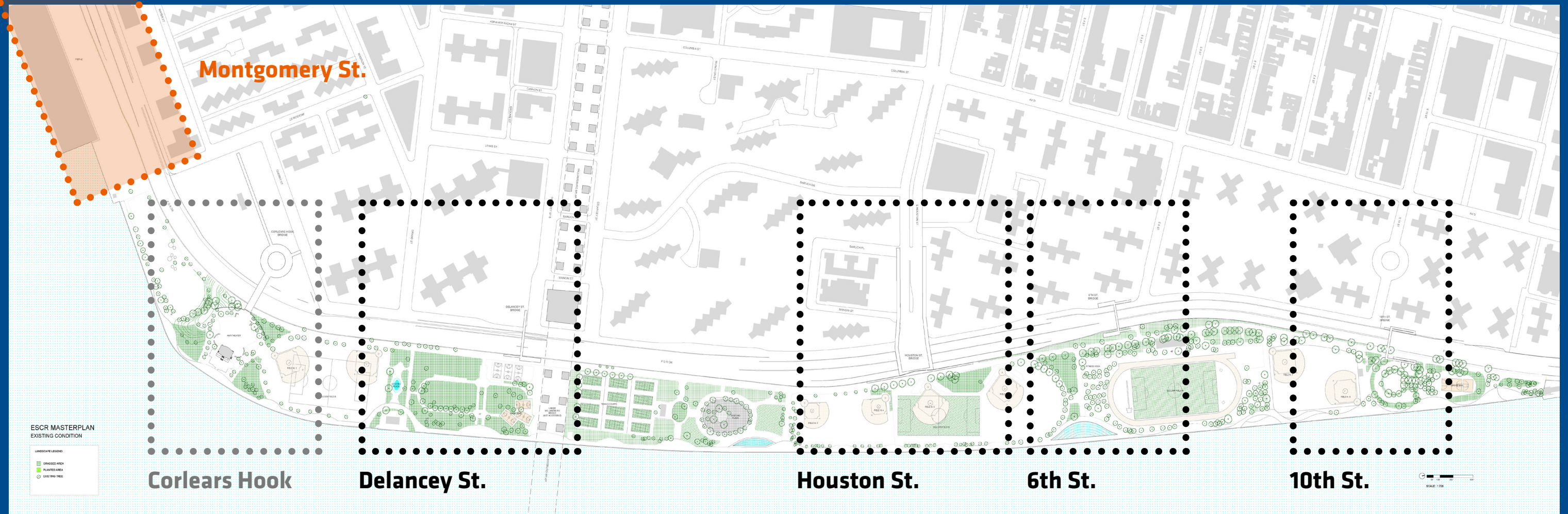


THE BRIDGING BERM

Project Area One



FOCUS AREA



MONTGOMERY STREET

PIER 42

Overview



Pier 42 and East Side Coastal Resiliency Overview for Gouverneur Gardens Meeting October 29, 2015

PIER 42 OVERVIEW

Master Plan



10/21/2014

PIER 42 OVERVIEW

Community Outreach



**ENGAGEMENT WITH SCHOOLS, COMMUNITY BOARDS, COMMUNITY ORGANIZATIONS
JUNE 2012 – MAY 2013**

COMMUNITY OUTREACH

Community Meetings



CB3 MEETING 1
PIER 42 WALKING TOUR W. COMMUNITY
CB3 MEETING 2 - LISTENING PROGRAMMING
CAA AV MEETING
CB3 MEETING 3 - LISTENING PROGRAMMING
SEWARD PARK COOP
LOCAL HIGH SCHOOLS
NYCHA HOUSES
LOWER EAST SIDE ECOLOGY CENTER
BLUEWAY PLAN, WXY ARCHITECTURE
PS 134

JUNE 27, 2012
SEPT. 30, 2012
OCT. 4, 2012
DEC. 16, 2012
JAN. 23, 2013
JAN. 28, 2013
JAN. 31, 2013
FEB. 5, 2013
FEB. 5, 2013
FEB. 15, 2013
FEB. 27, 2013

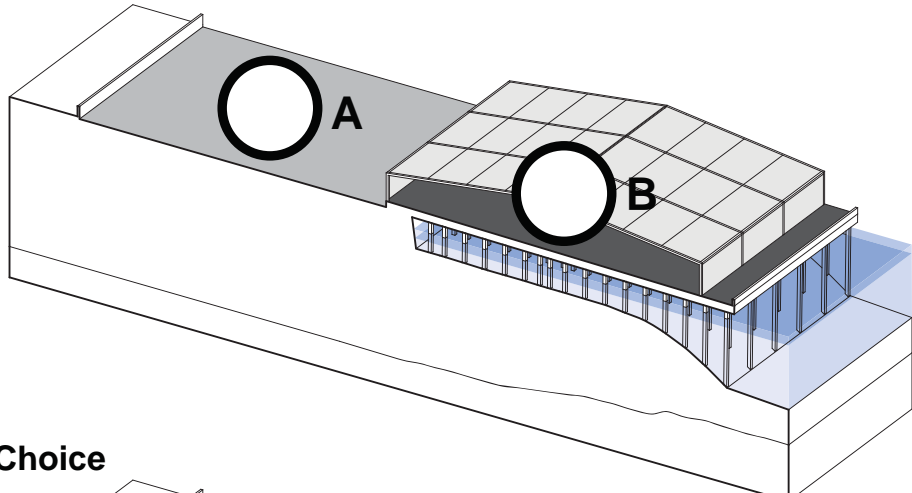
PIER 42 OVERVIEW

Community Outreach

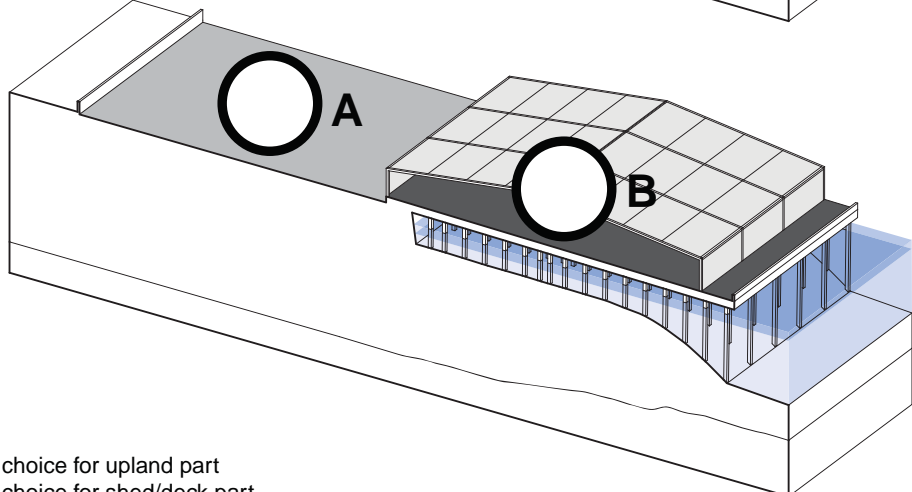
Score Card

Student Listening Session
January 31, 2013

1st Choice



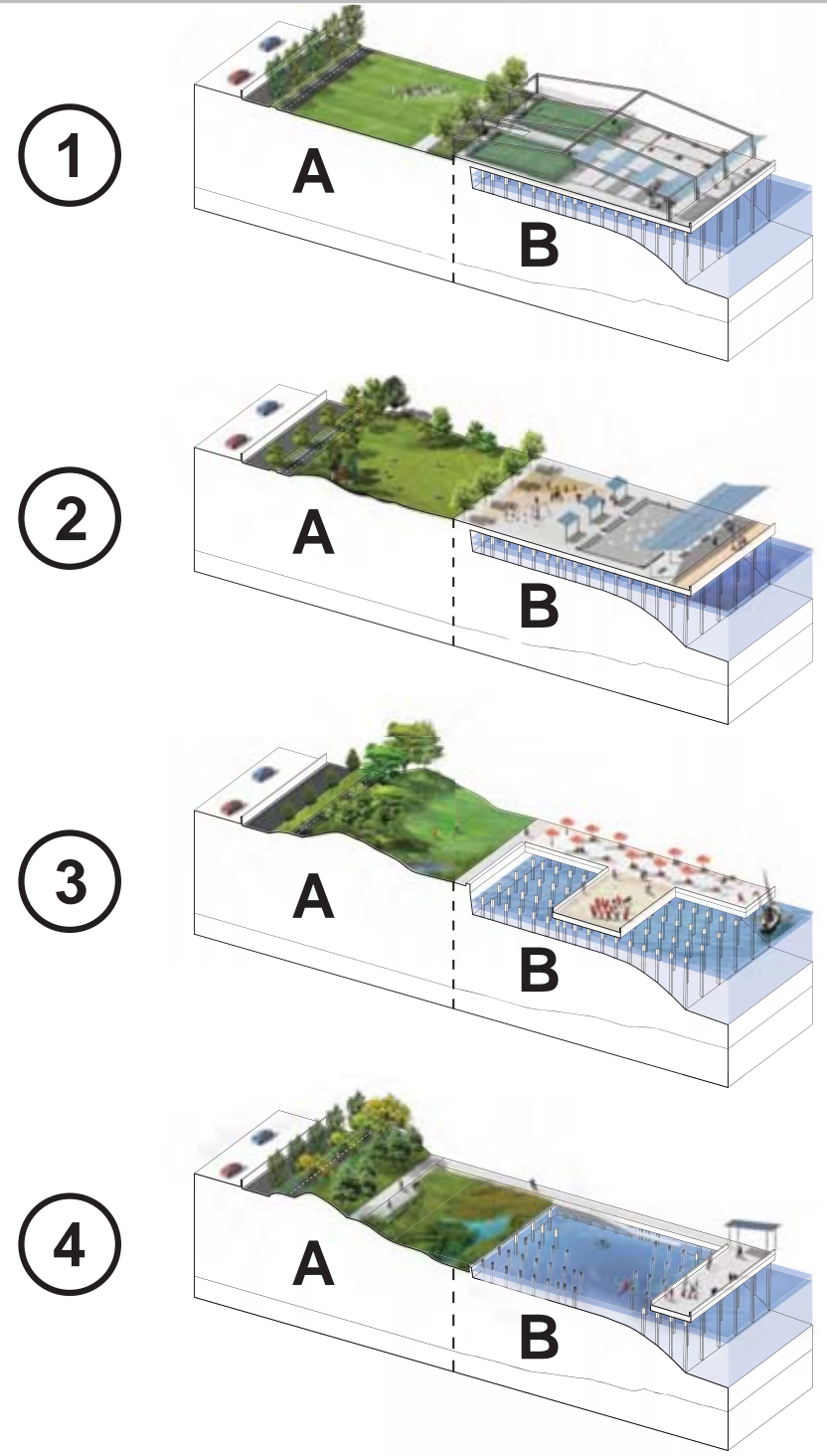
2nd Choice



Notes:
A- your choice for upland part
B- your choice for shed/deck part

Your Age: _____

Comments: _____



①

②

③

④

UPLAND AND PIER PROGRAM BALLOTS

PIER 42 OVERVIEW

Program Diagram



PIER 42 OVERVIEW

Montgomery Street Entrance



PIER 42 OVERVIEW

Habitat Restoration



PIER 42 OVERVIEW

Salt Marsh



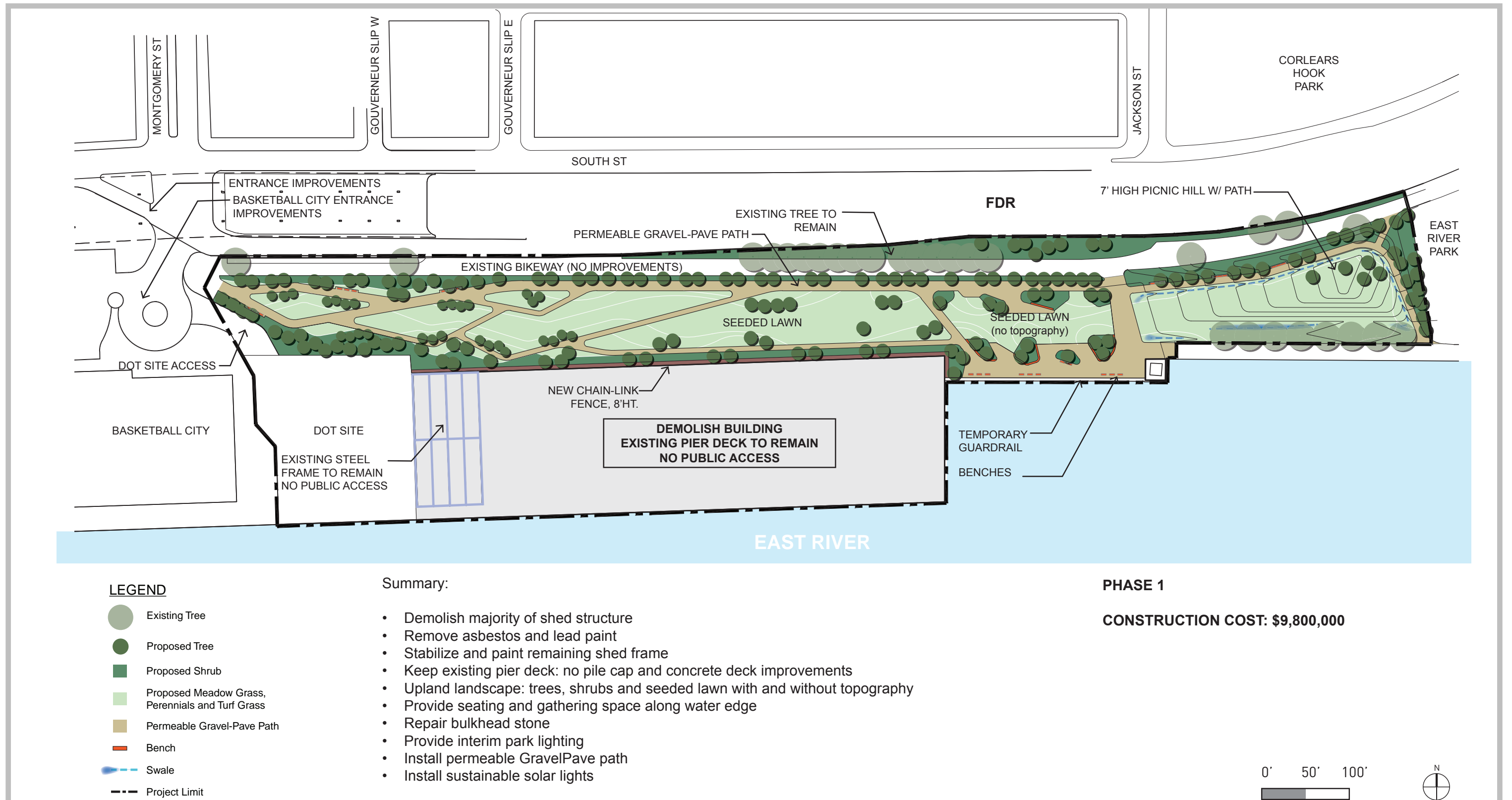
PIER 42 OVERVIEW

Waters Edge



PIER 42 OVERVIEW

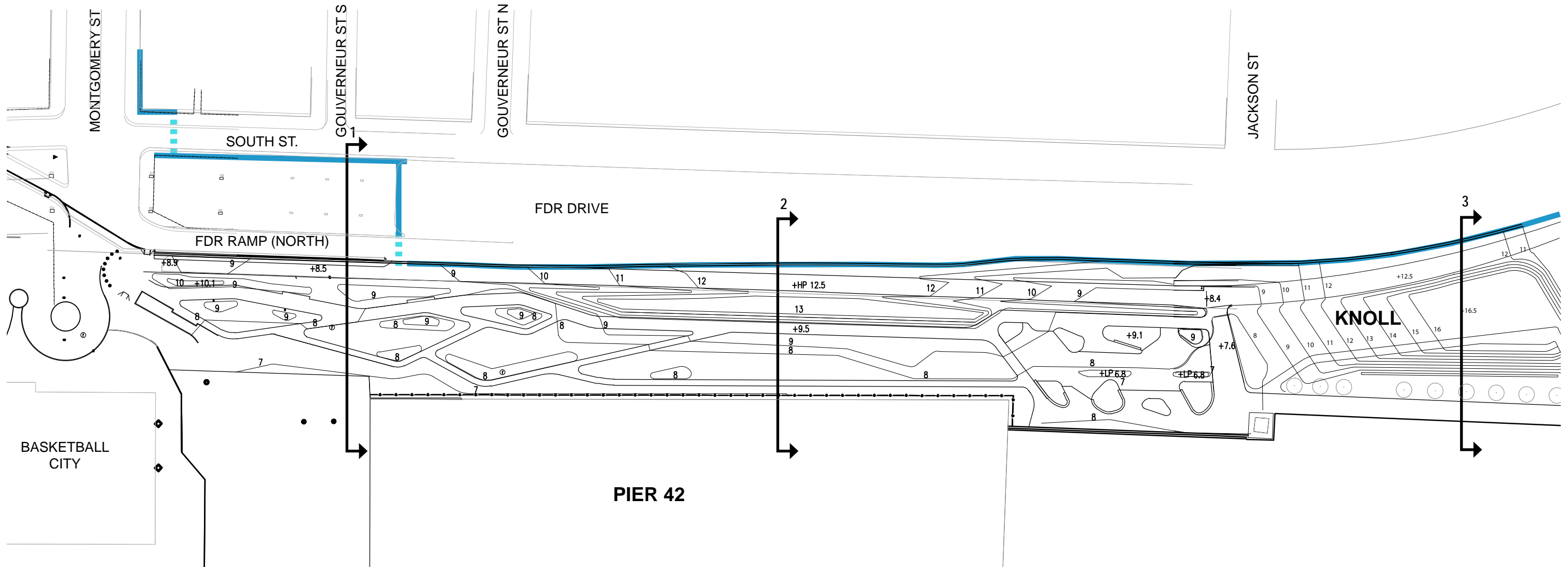
Phase 1



10/21/2014

FLOOD PROTECTION AT PIER 42 & MONTGOMERY STREET

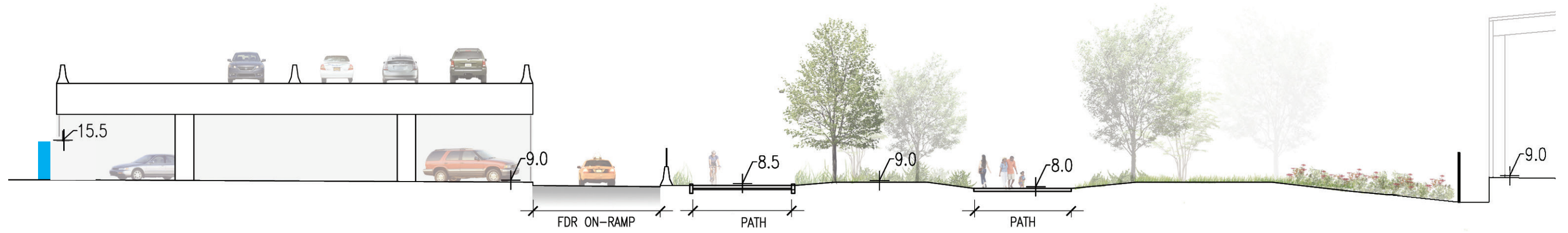
Phase 1 - Plan



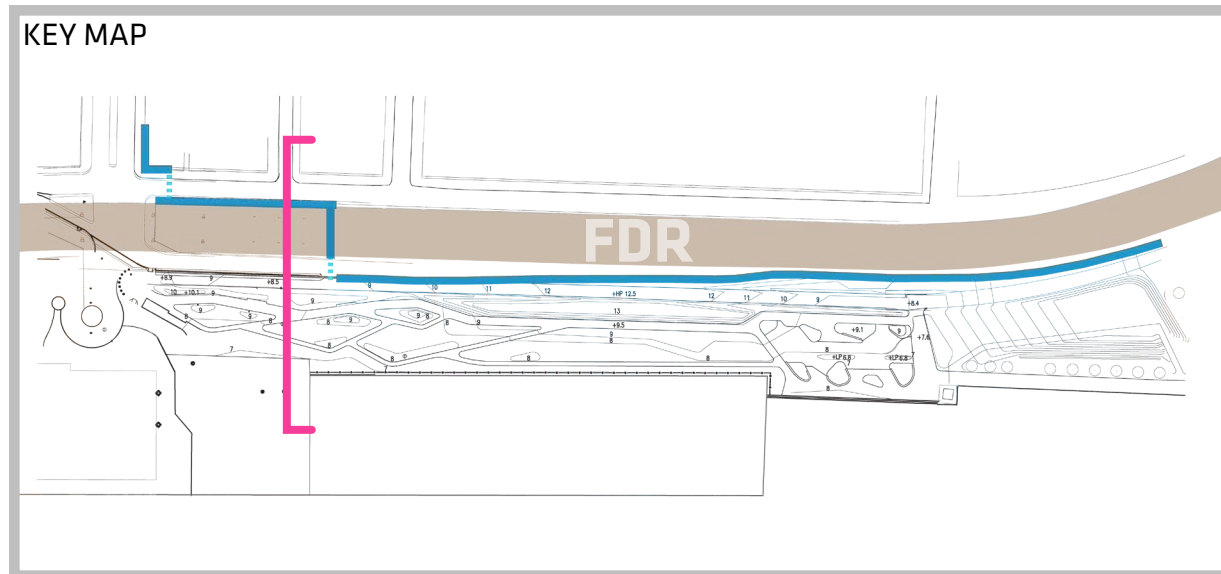
FOR DISCUSSION
PURPOSES ONLY **DRAFT**

FLOOD PROTECTION AT PIER 42

Phase 1 - Section at FDR Ramp



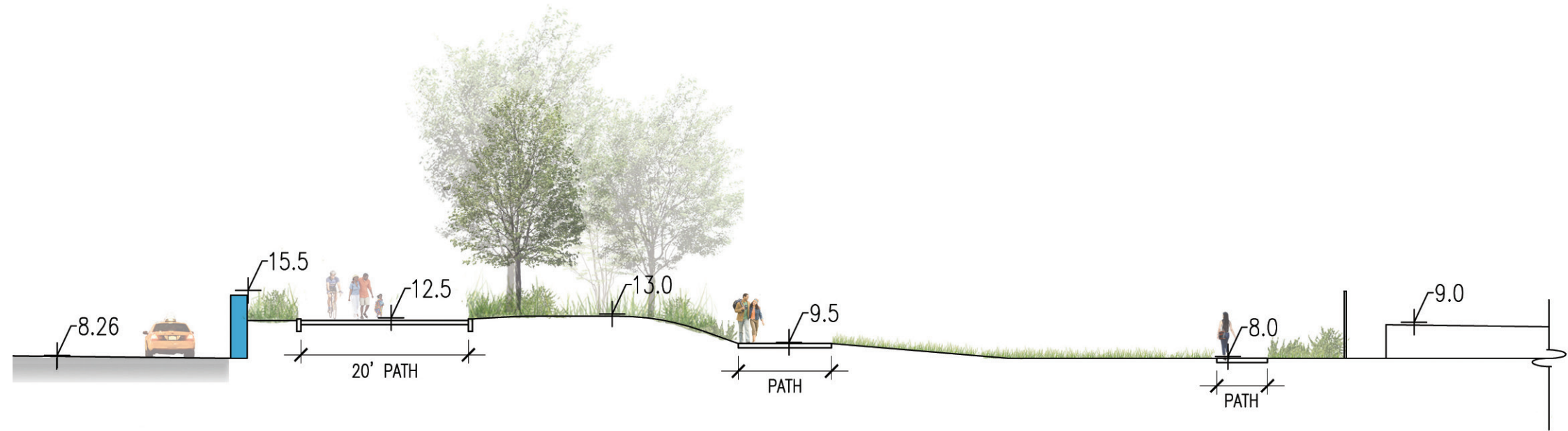
Section 1
Flood Protection under FDR Drive on South Street



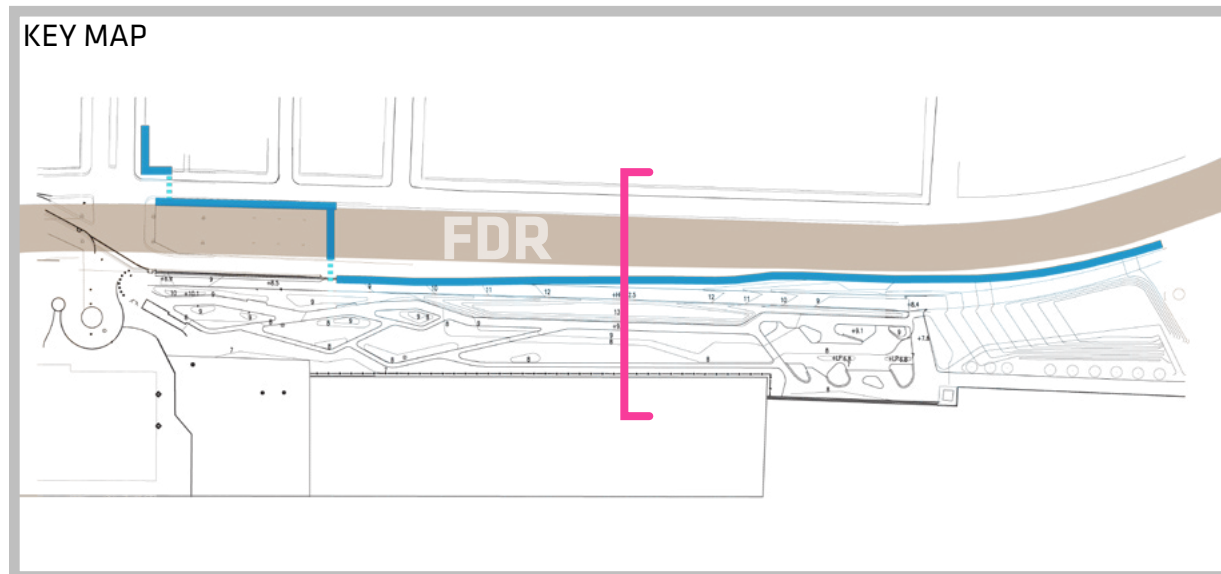
FOR DISCUSSION
PURPOSES ONLY **DRAFT**

FLOOD PROTECTION AT PIER 42

Phase 1 - Section at FDR



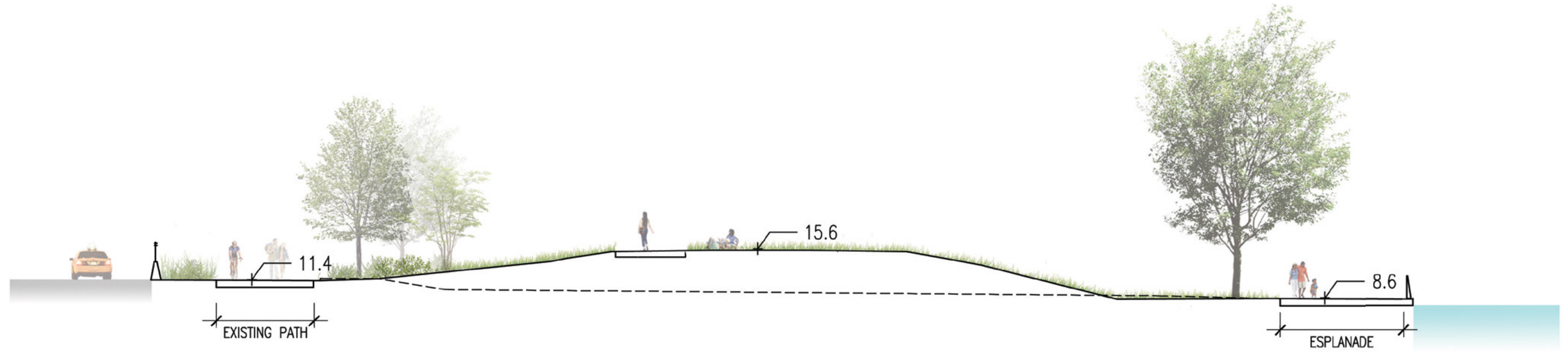
Section 2
Flood Protection at Park Edge



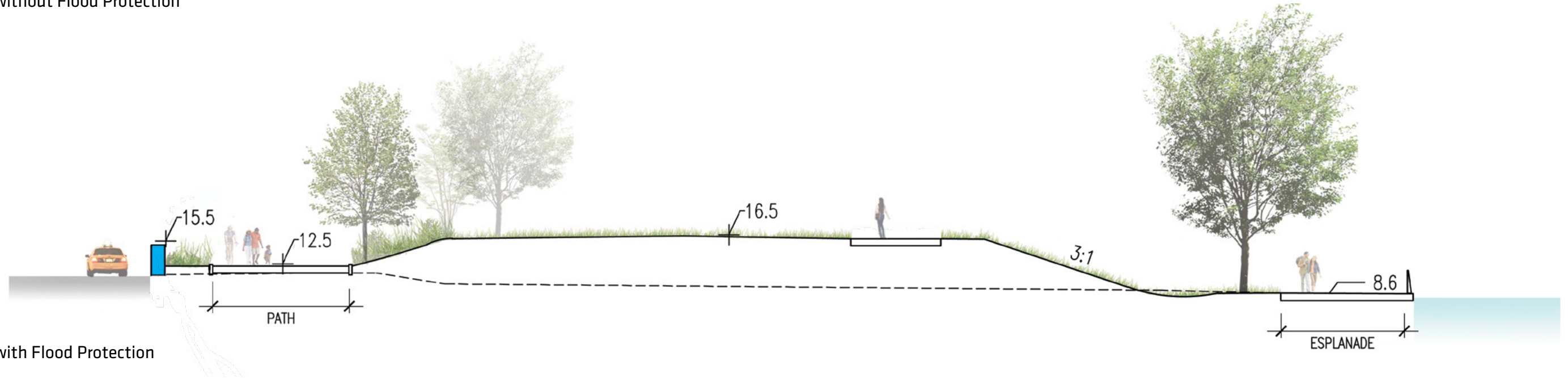
FOR DISCUSSION
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FLOOD PROTECTION AT PIER 42

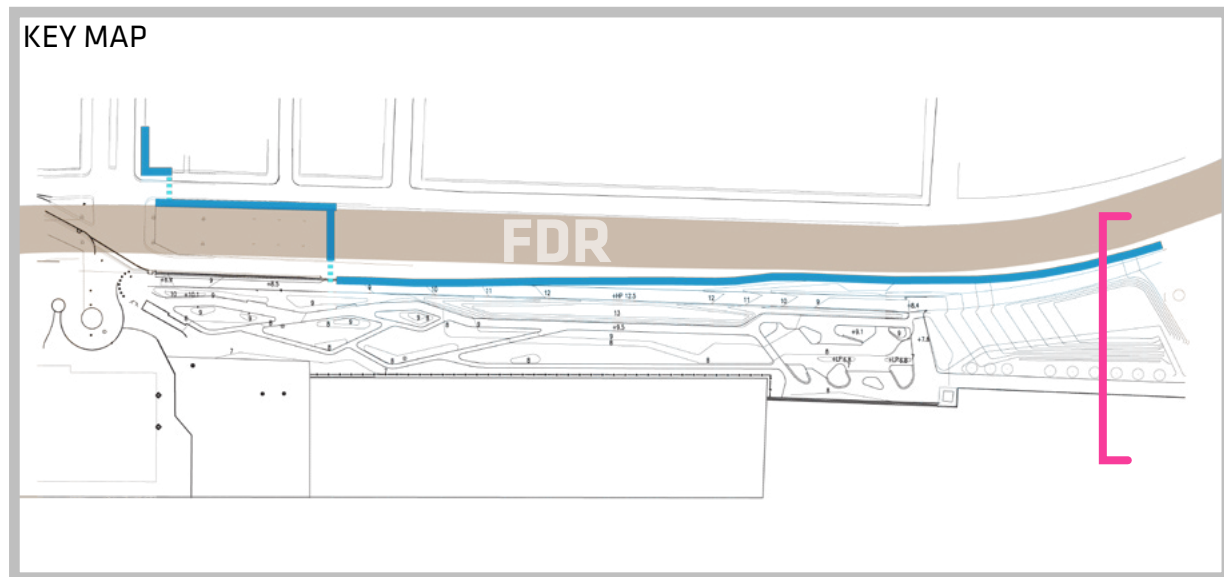
Phase 1 - Sections at Picnic Knoll



Section 3A
Pier 42 Picnic Knoll without Flood Protection



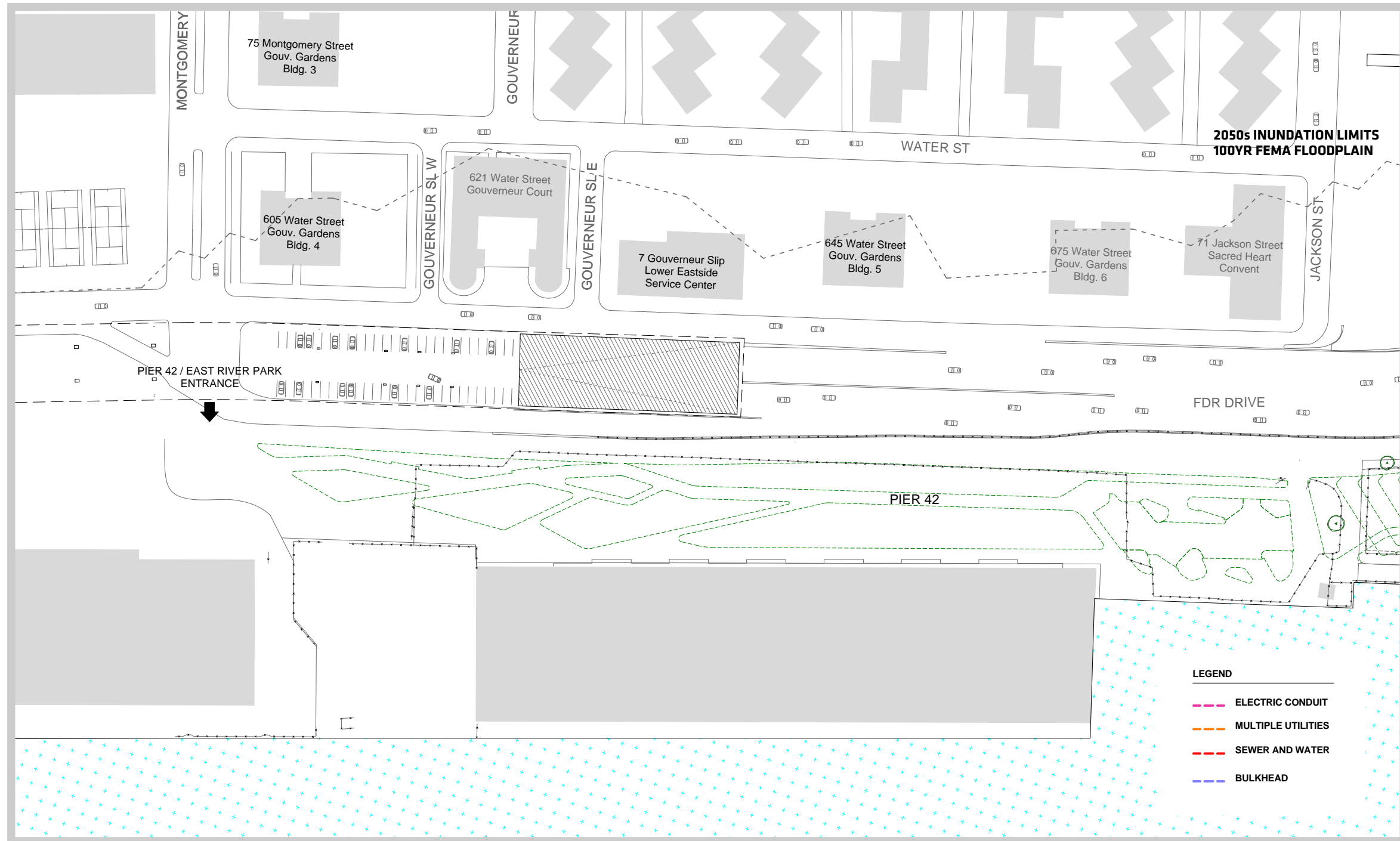
Section 3B
Pier 42 Picnic Knoll with Flood Protection



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MONTGOMERY STREET AND PIER 42 PARK AREA

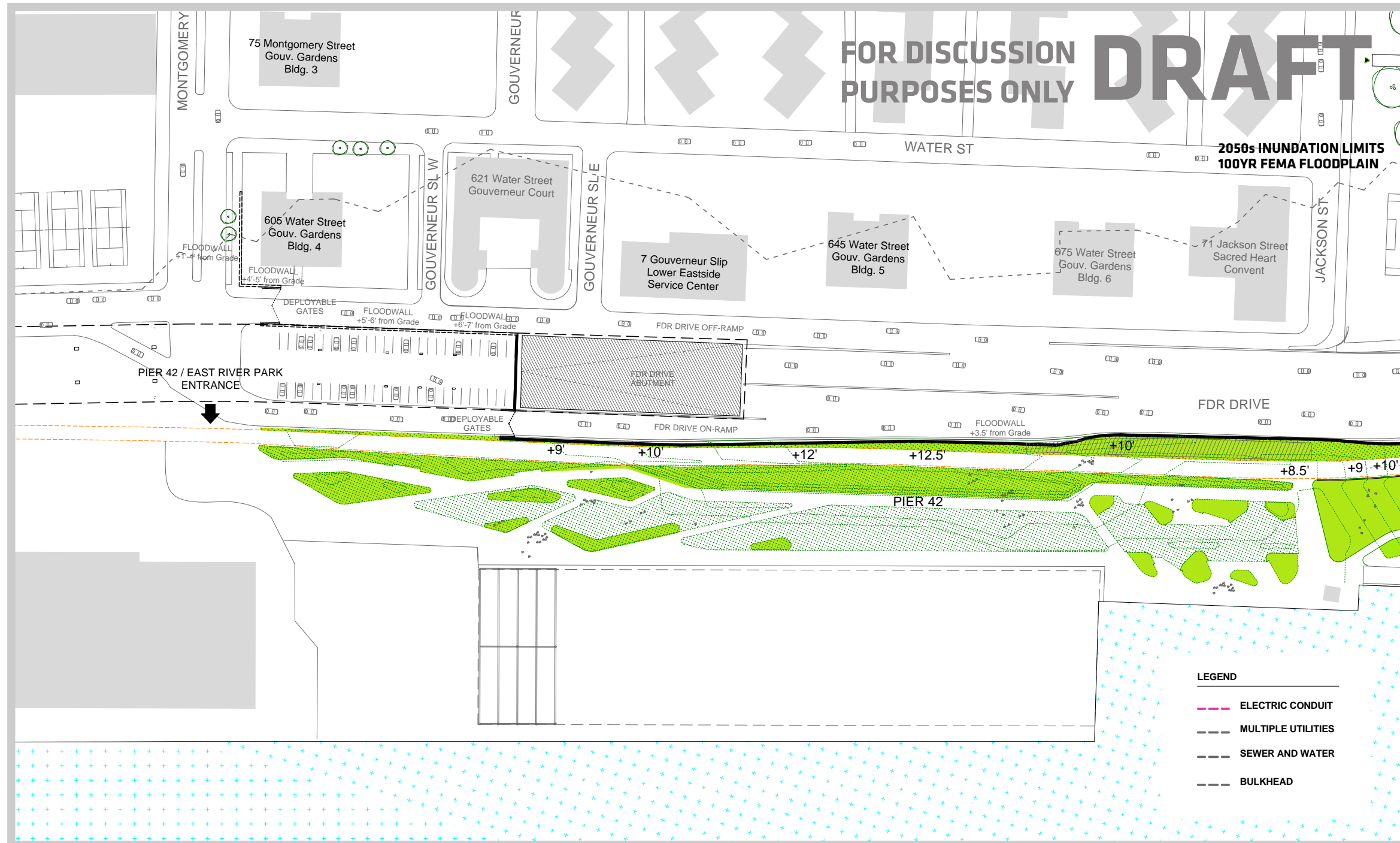
Initial Design Direction



EXISTING CONDITIONS

MONTGOMERY STREET AND PIER 42 PARK AREA

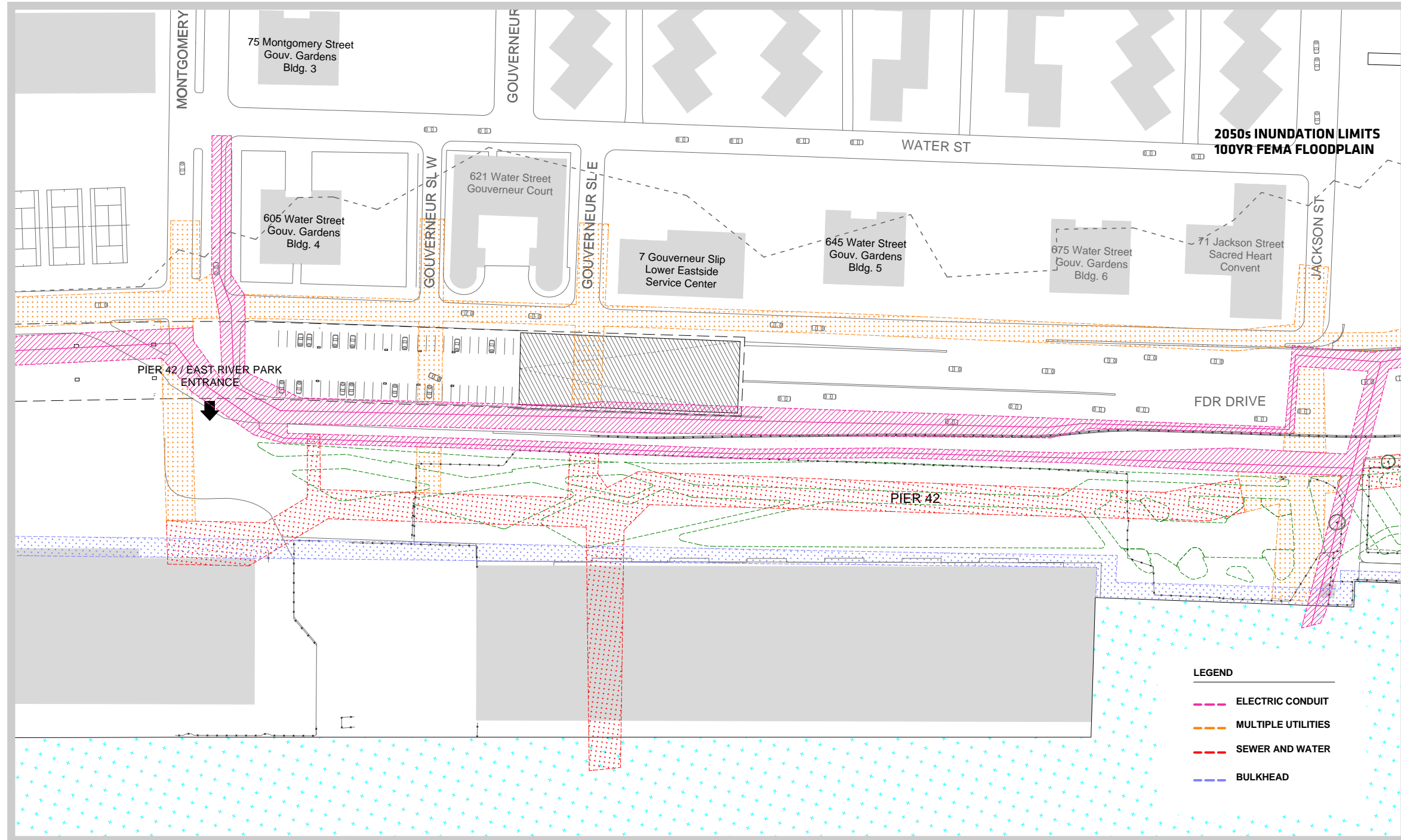
Initial Design Direction



MONTGOMERY ST. AND PIER 42 PARK AREA CONCEPTUAL PLAN LAYOUT - UNDER DEVELOPMENT

MONTGOMERY STREET AND PIER 42 PARK AREA

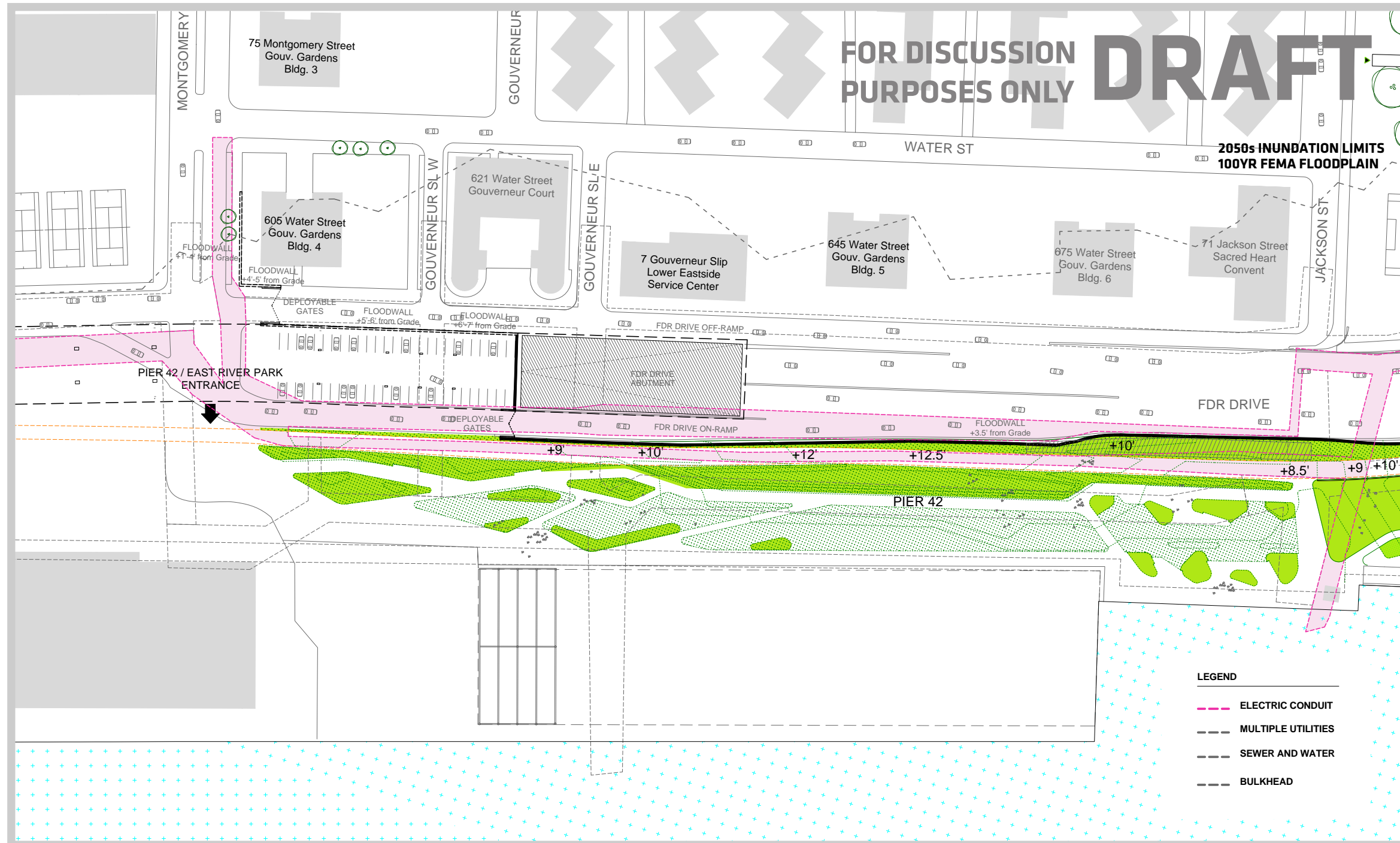
Initial Design Direction



SUB-SURFACE CONSTRAINTS

MONTGOMERY STREET AND PIER 42 PARK AREA

Initial Design Direction

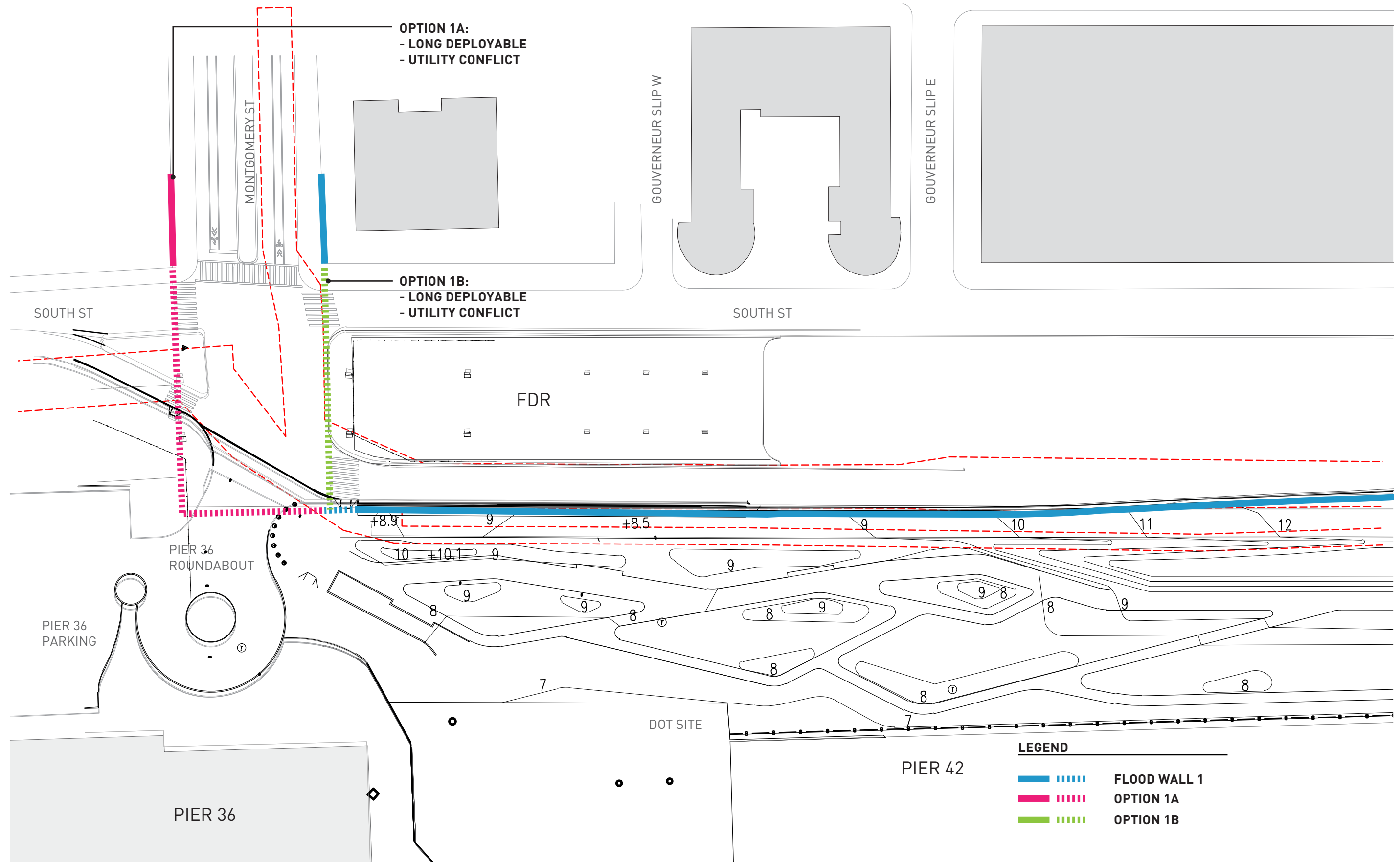


MONTGOMERY ST. AND PIER 42 PARK AREA CONCEPTUAL PLAN LAYOUT - UNDER DEVELOPMENT

MONTGOMERY STREET AND PIER 42 PARK

Alignment Studies

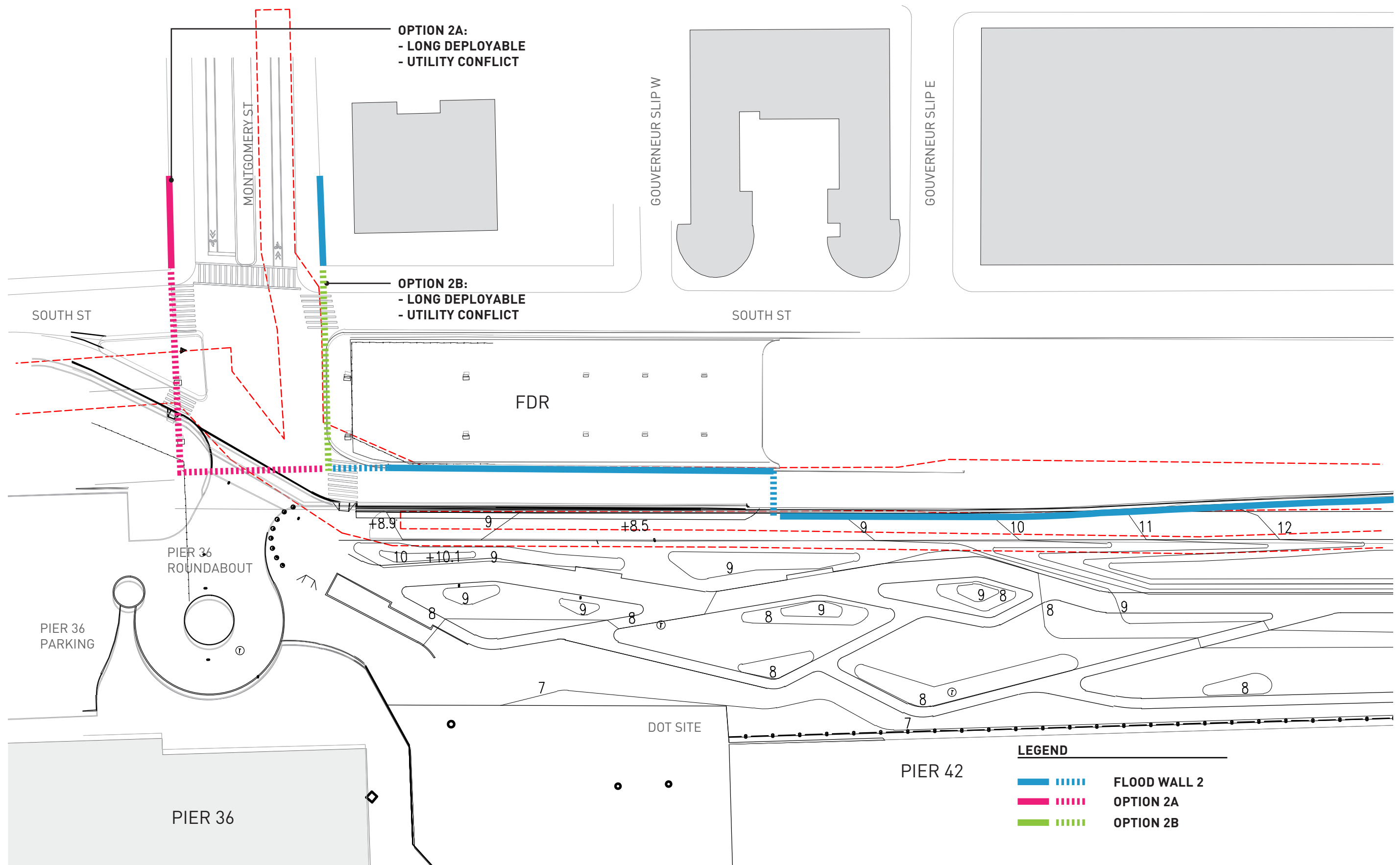
FOR DISCUSSION PURPOSES ONLY **DRAFT**



MONTGOMERY STREET AND PIER 42 PARK

Alignment Studies

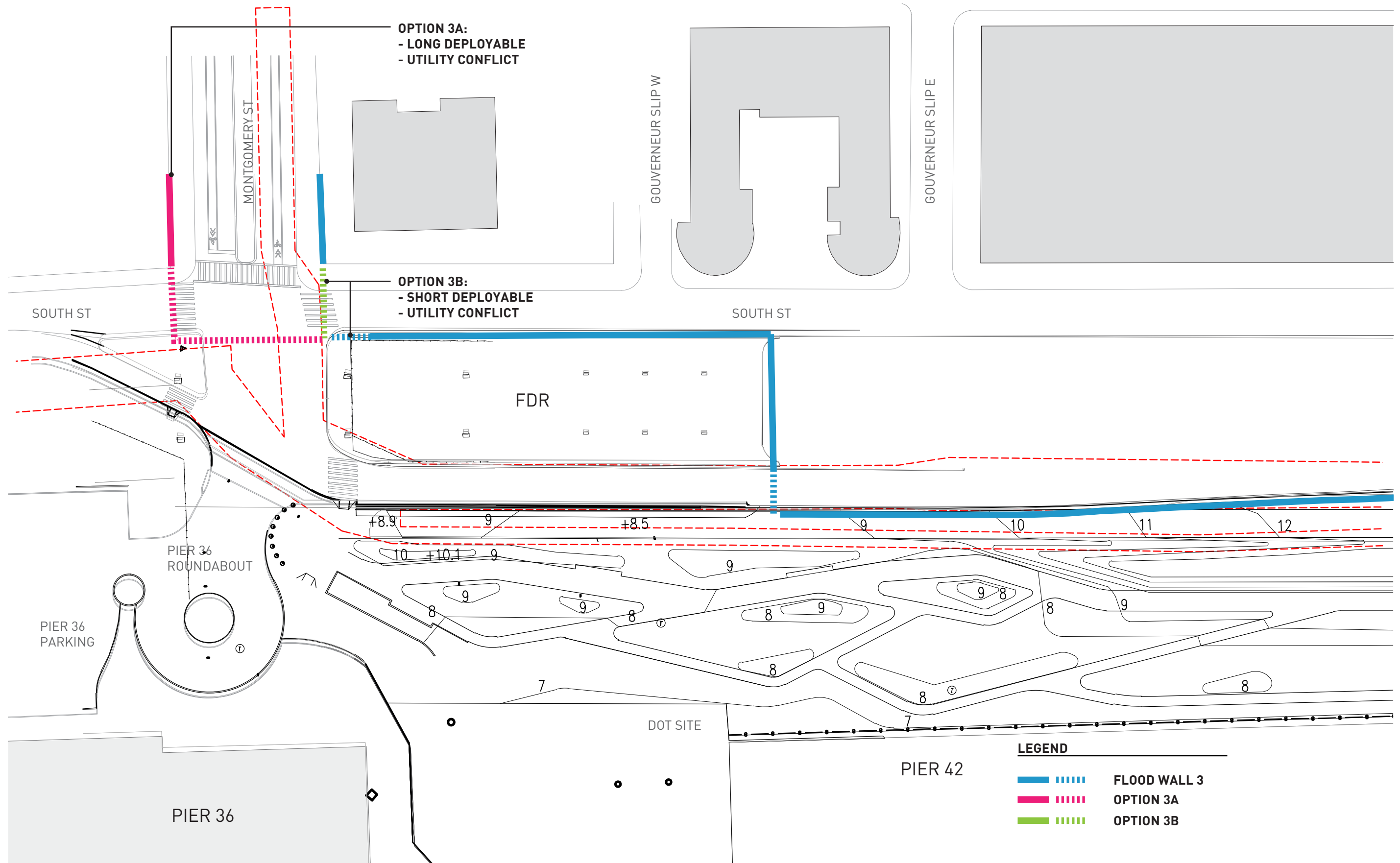
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MONTGOMERY STREET AND PIER 42 PARK

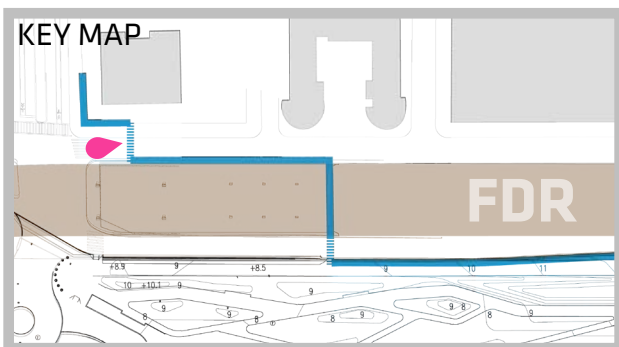
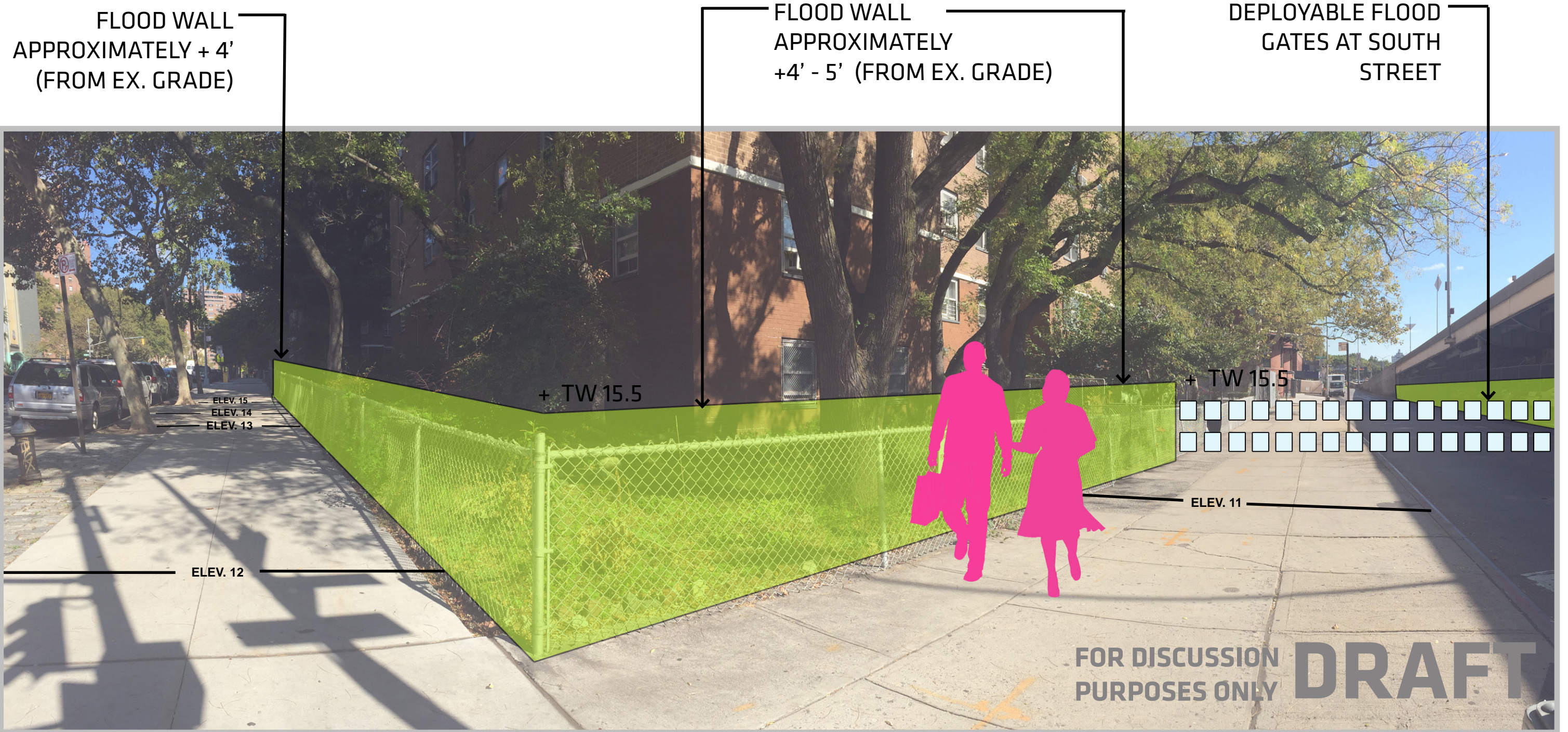
Alignment Studies

FOR DISCUSSION PURPOSES ONLY **DRAFT**



MONTGOMERY STREET TIE-IN

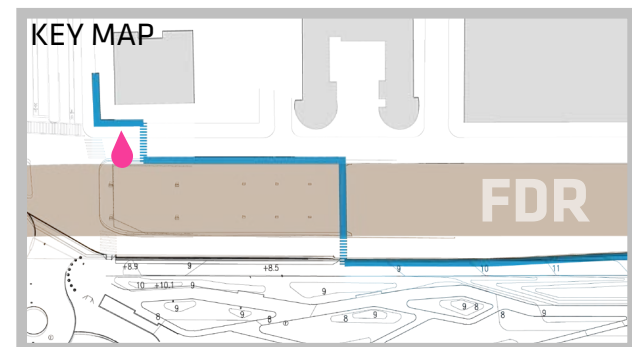
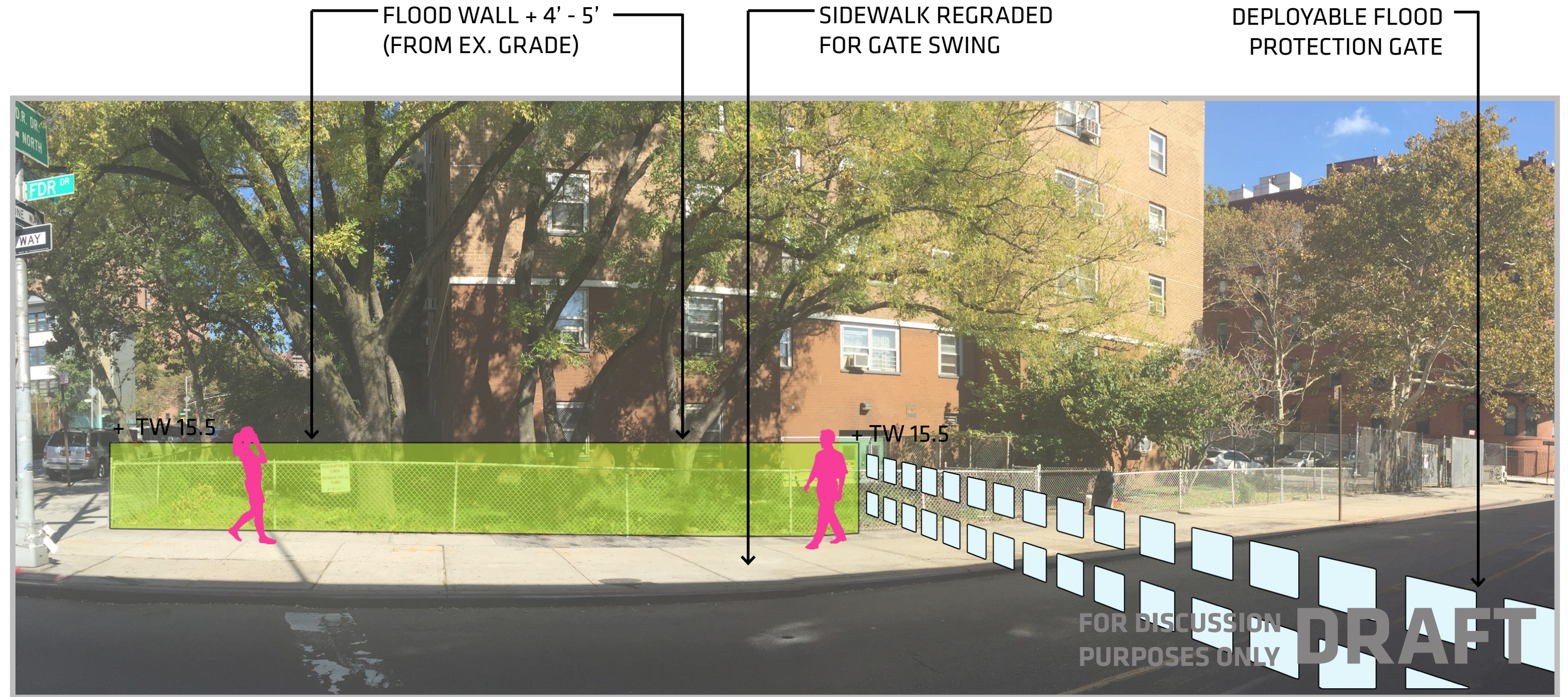
Proposed Flood Protection Alignment



CORNER OF MONTGOMERY AND SOUTH STREET AT GOUVERNEUR GARDENS

MONTGOMERY STREET TIE-IN

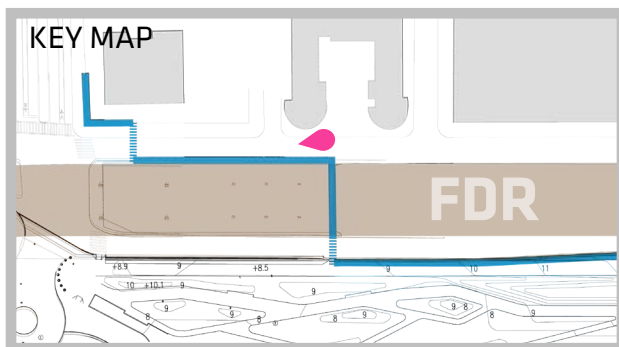
Proposed Flood Protection Alignment



GOVERNEUR GARDENS AT SOUTH STREET

MONTGOMERY STREET TIE-IN

Existing Condition

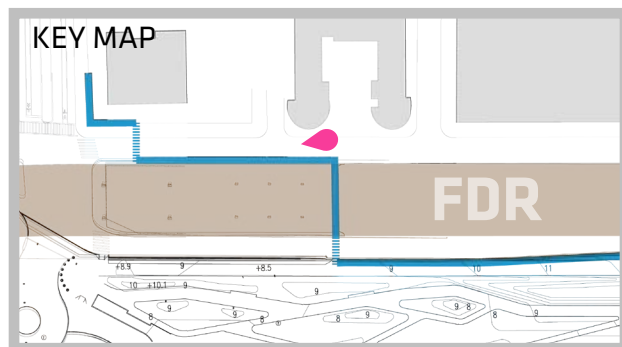


EXISTING CONDITION AT SOUTH STREET (LOOKING SOUTH)

MONTGOMERY STREET TIE-IN

Proposed Flood Protection Alignment

EXISTING BRIDGE ABUTMENT FLOOD WALL APPROX. +6' - 7' (FROM EX. GRADE) FLOOD WALL APPROX. +5' - 6' (FROM EX. GRADE) DEPLOYABLE FLOOD PROTECTION GATE



FLOODWALL & GATE AT SOUTH STREET (LOOKING SOUTH)

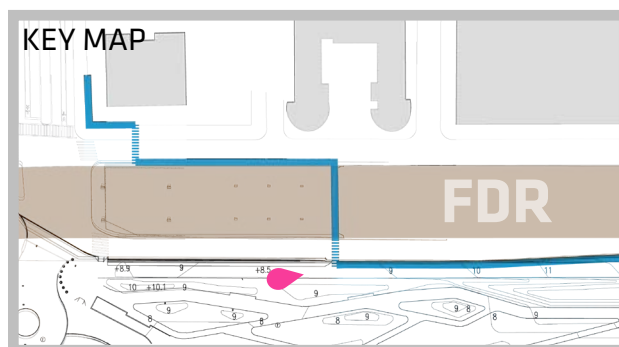
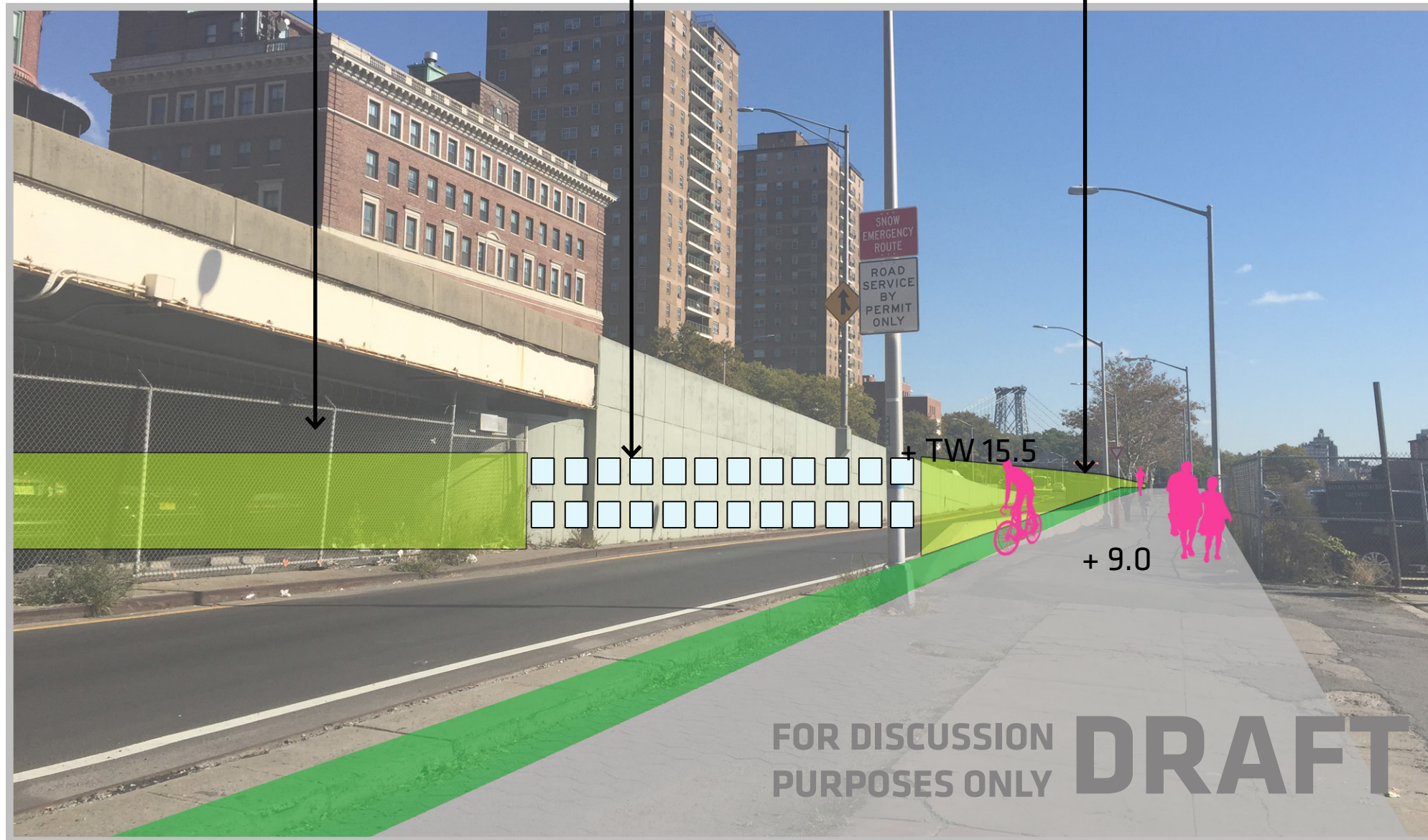
FLOOD PROTECTION AT PIER 42

South Street

EXISTING BRIDGE
ABUTMENT

DEPLOYABLE FLOOD
PROTECTION GATE
AT RAMP

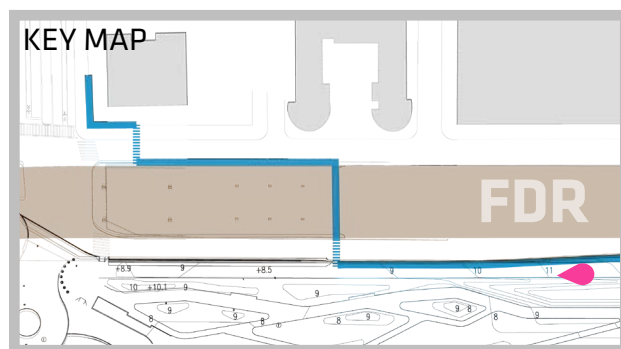
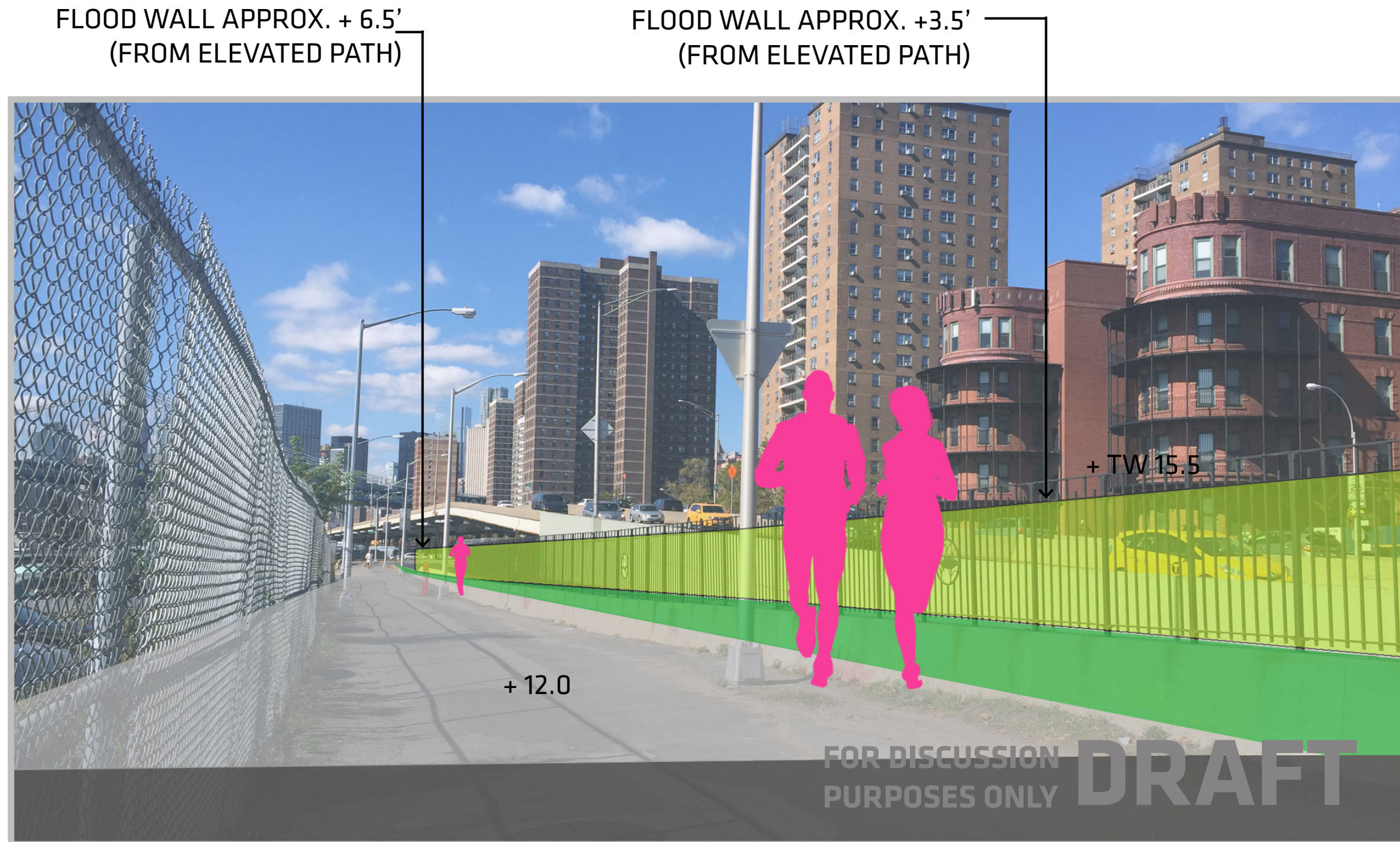
FLOOD WALL APPROX. +6.5' - 3.5'
(FROM ELEVATED PATHWAY)



**FLOODWALL AND GATE AT FDR RAMP
ENTRANCE LOOKING NORTH**

FLOOD PROTECTION AT PIER 42

Proposed Flood Protection Alignment



FLOODWALL ALONG BIKEWAY AT PIER 42 LOOKING SOUTH

FLOOD PROTECTION AT PIER 42

Picnic Knoll (Master Plan)



FLOOD PROTECTION AT PIER 42

Picnic Knoll with Resiliency



NEXT STEPS



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