NYC DDC

NYC Parks

NYC Mayor's Office of Recovery and Resiliency

# A STRONGER, MORE RESILIENT NEW YORK

# Community Workshop
# Project Area 1

May 20+28, 2015

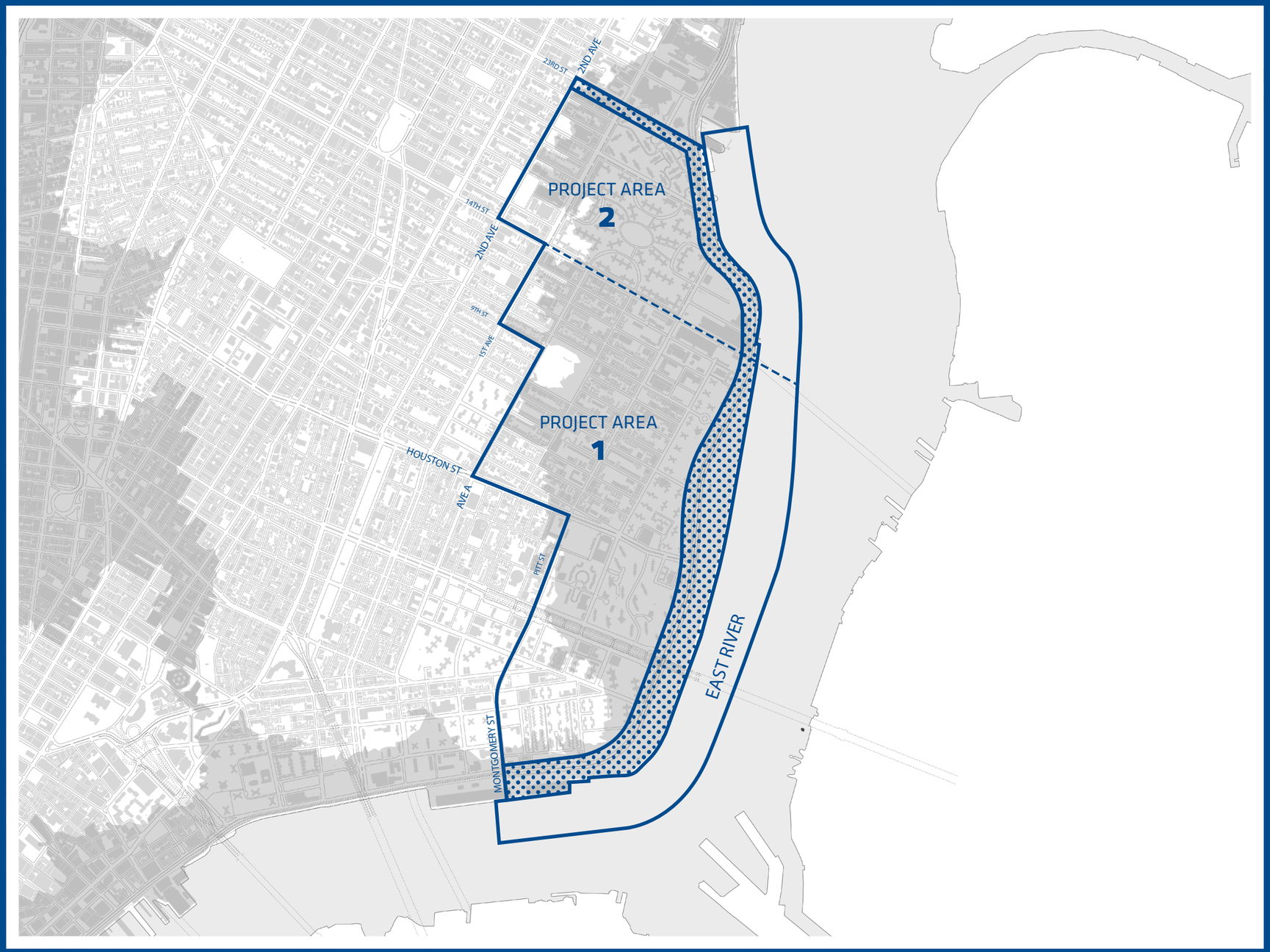
The City of New York

# PROJECT LOCATION

The ESCR project will be carried out with HUD funding for the area from E. 23rd St. to Montgomery St.

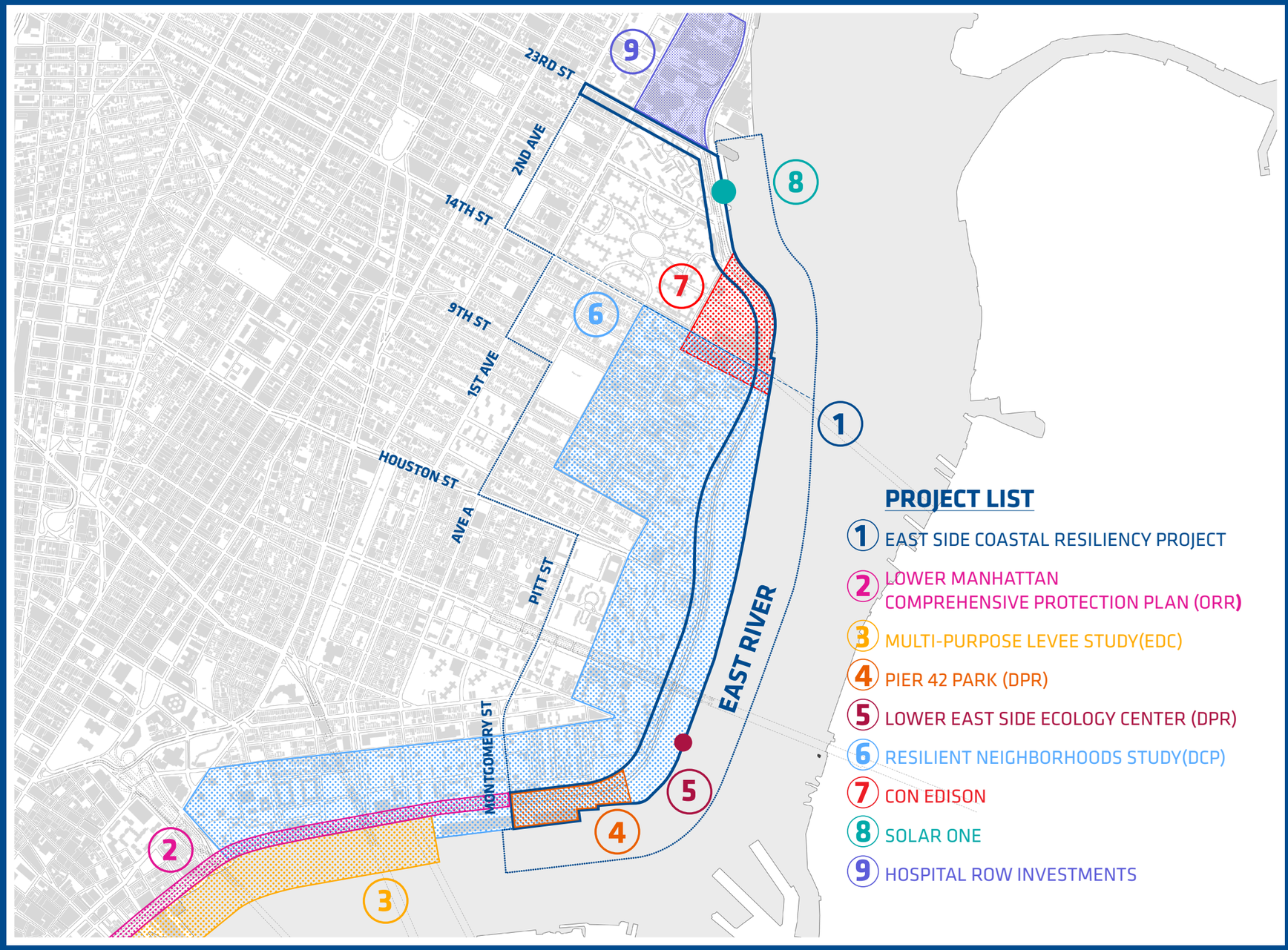
# ESCR PROJECT AREAS

## And 100-Year Floodplain



# 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.



# Community Workshop Project Area 1

May 20+28, 2015

1. Project Schedule

2. ESCR Goals

3. Progress of Technical Studies

4. Rebuild by Design Concept

5. PA1: East River Park Connections

6. March Community Engagement Meeting Findings

7. Workshop

# PROJECT SCHEDULE

# WHERE WE WERE

Rebuild by Design was a 9-month ideas competition administered by HUD.

**REBUILD BY DESIGN COMPETITION START**

CITY RELEASES ***A STRONGER, MORE RESILIENT NEW YORK***

JUNE 2013

**AUGUST 2013**

HUD SELECTS BIG TEAM TO FOCUS ON MANHATTAN

NOVEMBER 2013

CITY REQUESTS FOCUS ON EAST SIDE

DECEMBER 2013

BIG TEAM PRESENTS TO HUD JURY

APRIL 2014

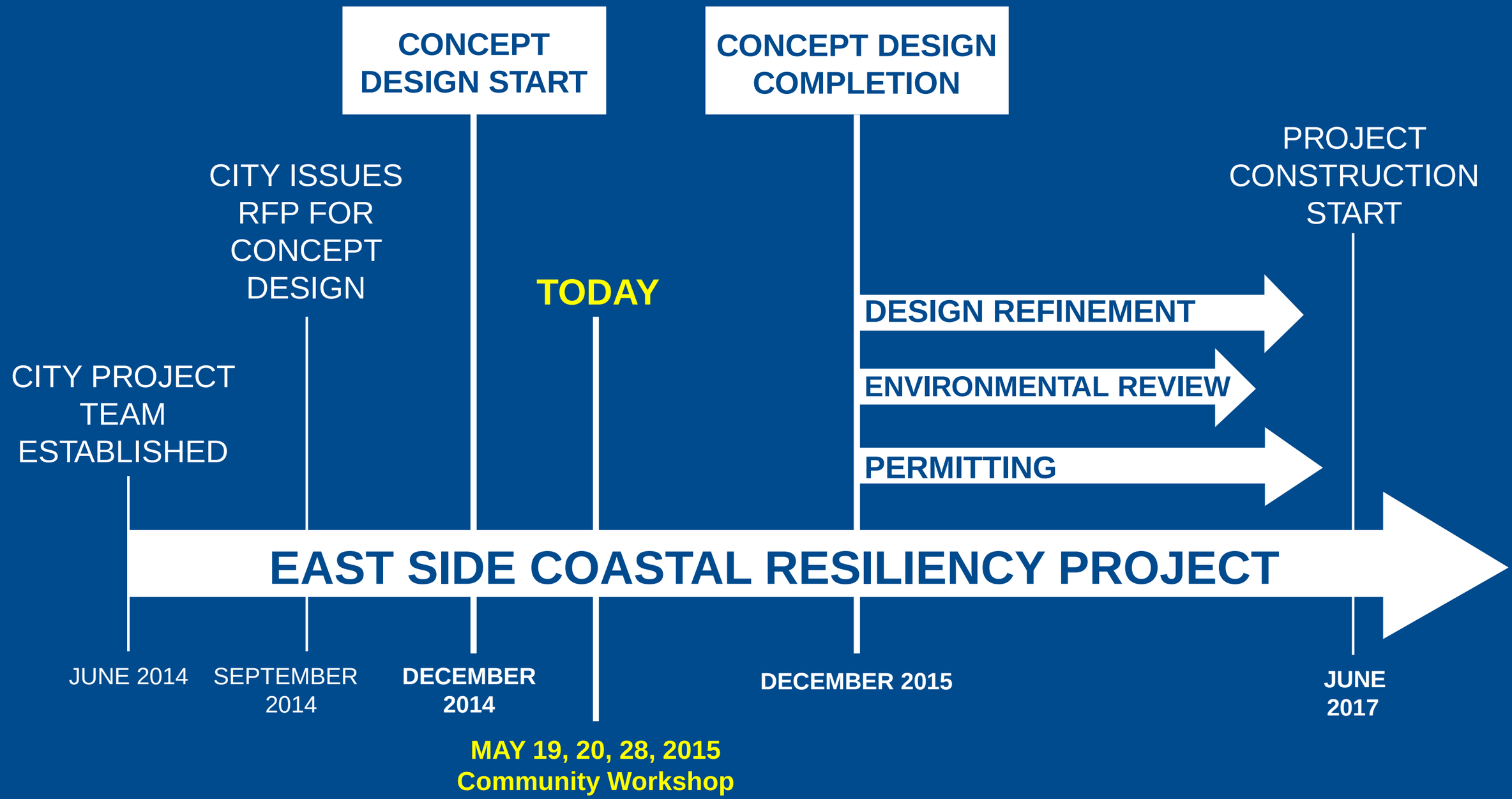
**HUD AWARDS $335 MILLION FEDERAL FUNDING TO CITY FOR THE EAST SIDE**

**JUNE 2014**

**REBUILD BY DESIGN**

# PROJECT TIMELINE

The ESCR Project has an ambitious timeline, with construction commencement anticipated in mid-2017.



# COMMUNITY ENGAGEMENT TIMELINE

Where are we now?

**CONCEPT DESIGN START**

**DECEMBER 2014**

**CONCEPT DESIGN COMPLETION**

**DECEMBER 2015**

JAN FEB MAR APR MAY JUN JUL AUG SEP OCT NOV

**Background Research & Studies**

**Design Concept Studies & Workshops**

**Design Concept Reports**

**Stakeholder Meetings**

**Task Force Meetings**

*TODAY*

**How Do You Use the Waterfront?**
Re-Engagement Meetings (March)

**What Are the Options?**
Workshops (May)

**How Do We Combine Options?**
Workshops (July)

**Final Concept Design: Input and Feedback**
Community Meetings/Workshops (October)

**Community Engagement Meetings**

**EAST SIDE COASTAL RESILIENCY**

# WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

# WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

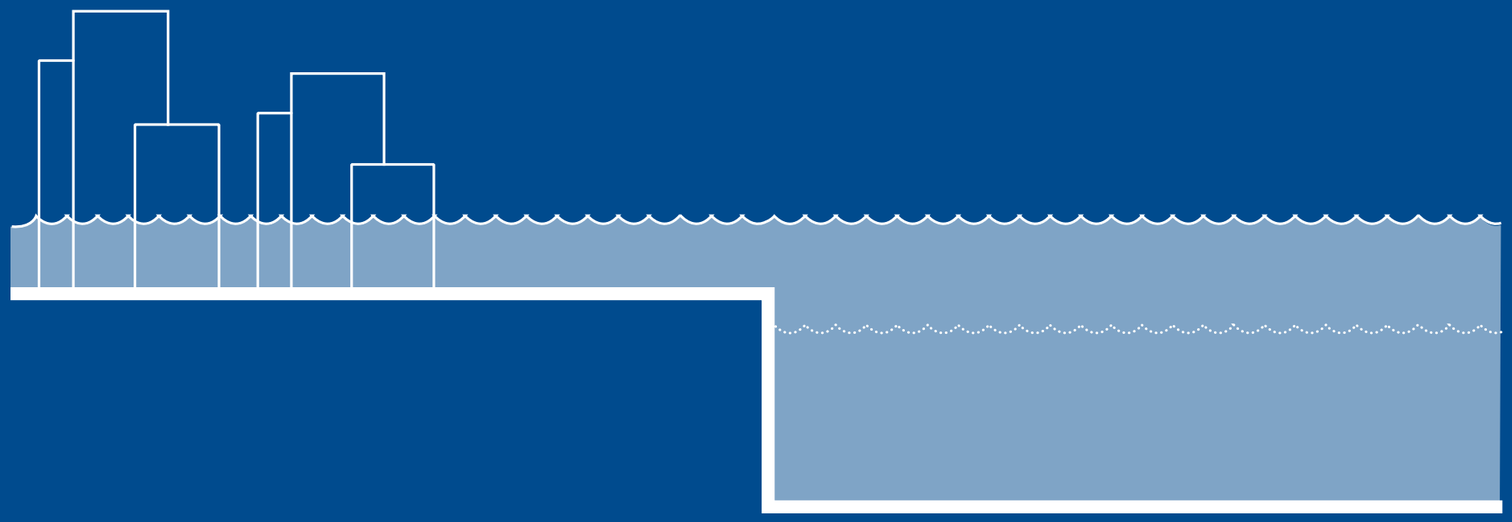
The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.

## 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?

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

## BARRIER

NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

# WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

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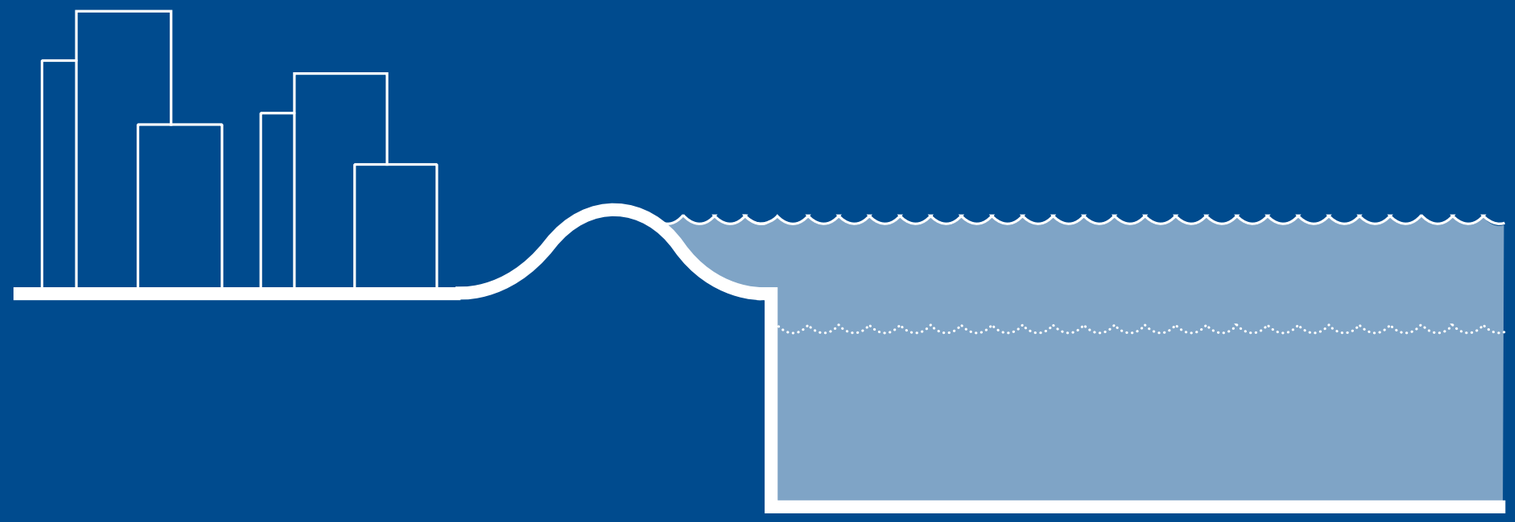
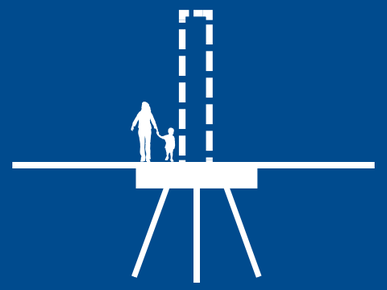


## FLOOD PROTECTION

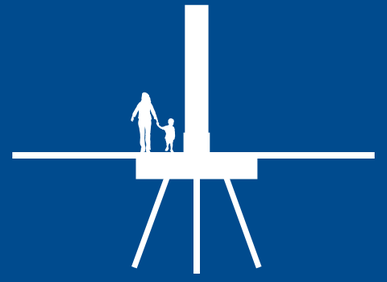
NOTE: ILLUSTRATIVE DIAGRAM, NOT TO SCALE

# 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**

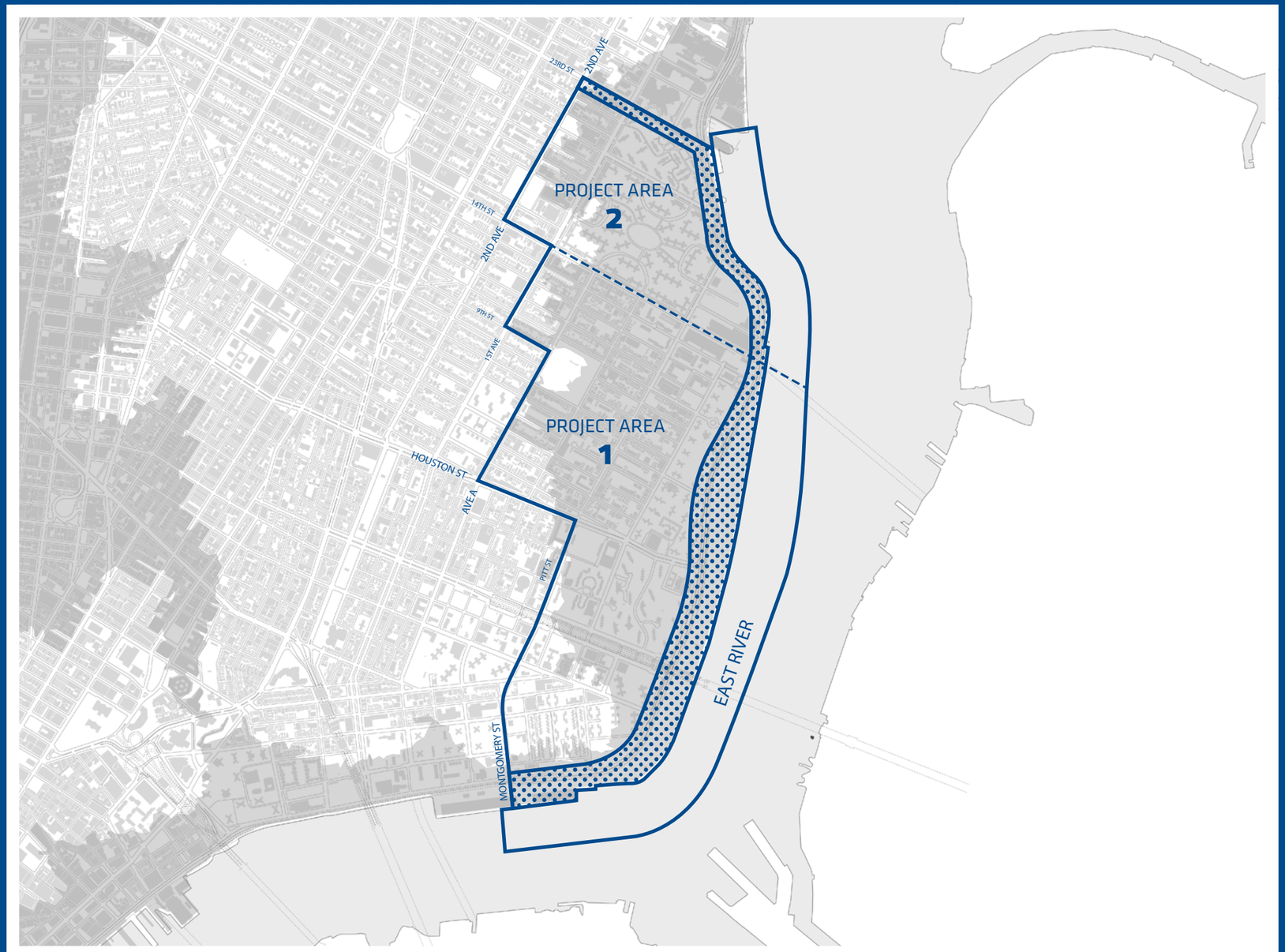
# SOCIAL INFRASTRUCTURE

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

**PEOPLE**

**RESILIENCY INFRASTRUCTURE**

# ESCR SCOPE AND PROJECT AREA 1




## AREA GOALS AND CHALLENGES:

**1) PROVIDE ROBUST FLOOD-RISK MITIGATION**

**2) MAINTAIN EXISTING RECREATIONAL USES**

**3) STRENGTHEN CONNECTIONS AND ACCESS TO EAST RIVER PARK**

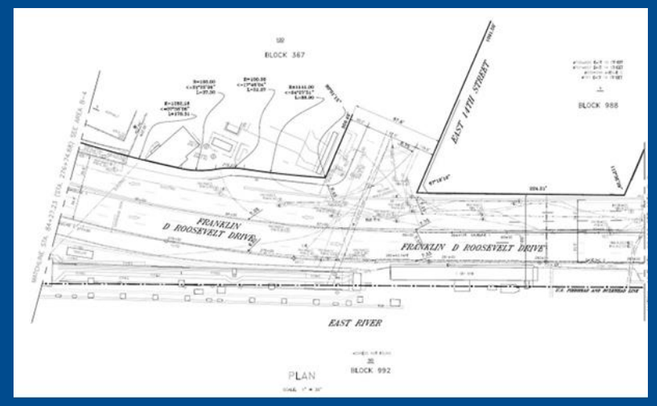
**4) ENHANCE OPEN SPACE AND ECOLOGY OF THE AREA**

# PROGRESS OF TECHNICAL STUDIES

# EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

## Surveying the Land

**95%**




## Sewer Investigations

**70%**


## Inspecting Waterfront Structures

**80%**

# EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

**Examining Flood Risk and Water Flow**

**60%**

**Testing the Soil**

**20%**


**Studying Pedestrian and Bicycle Usage**

**10%**

# EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

**Inspecting Bridges** — **70%**

**Making an Inventory of Existing Trees** — **0% (Late May)**

# REBUILD BY DESIGN CONCEPT

## PUBLIC DESIGN PROCESS

# REBUILD BY DESIGN

## Two Rounds of Public Workshops


# REBUILD BY DESIGN

## Two Rounds of Public Workshops


**FEB 10**
**HAMILTON-MADISON HOUSE**


**FEB 26**
**LES GIRLS CLUB**

# REBUILD BY DESIGN

## Analysis of Community Planning Precedents

# REBUILD BY DESIGN

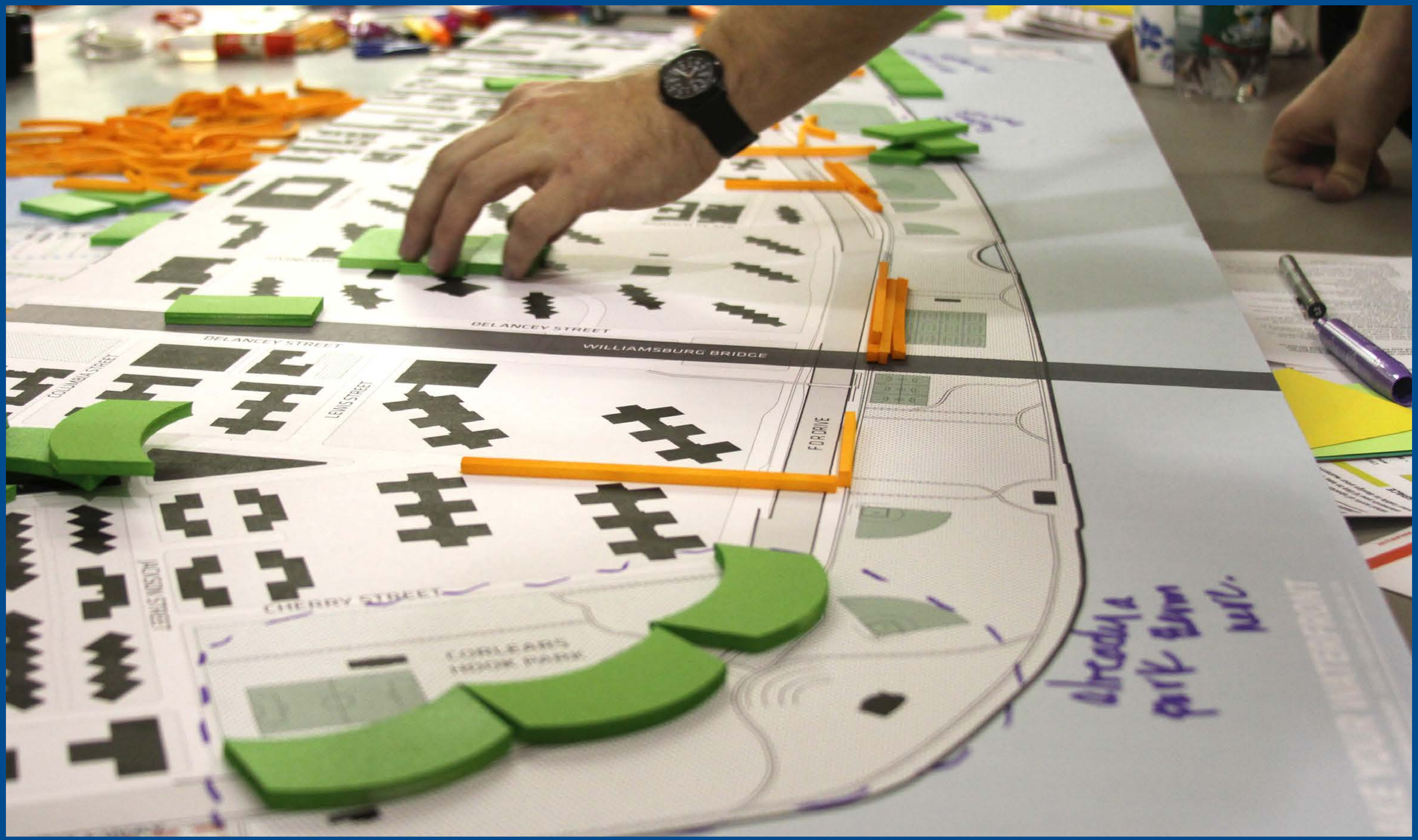
## Design Options Discussion

# REBUILD BY DESIGN

## Design Your Waterfront

# REBUILD BY DESIGN

## Design Your Waterfront



# REBUILD BY DESIGN

## Community Design Process

# REBUILD BY DESIGN

## Community Design Process

# WHAT WE HEARD

“ BETTER ACCESS TO EAST RIVER PARK ”

“ FAMILY FRIENDLY ”

“ FLOOD PROTECTION ”

“SAFETY AND SECURITY ”

## REBUILD BY DESIGN

“ CONNECTIONS TO THE WATER ”

“ MORE NATURAL SPACES ”

# REBUILD BY DESIGN

## Concept: East River Park as Flood Protection

# REBUILD BY DESIGN

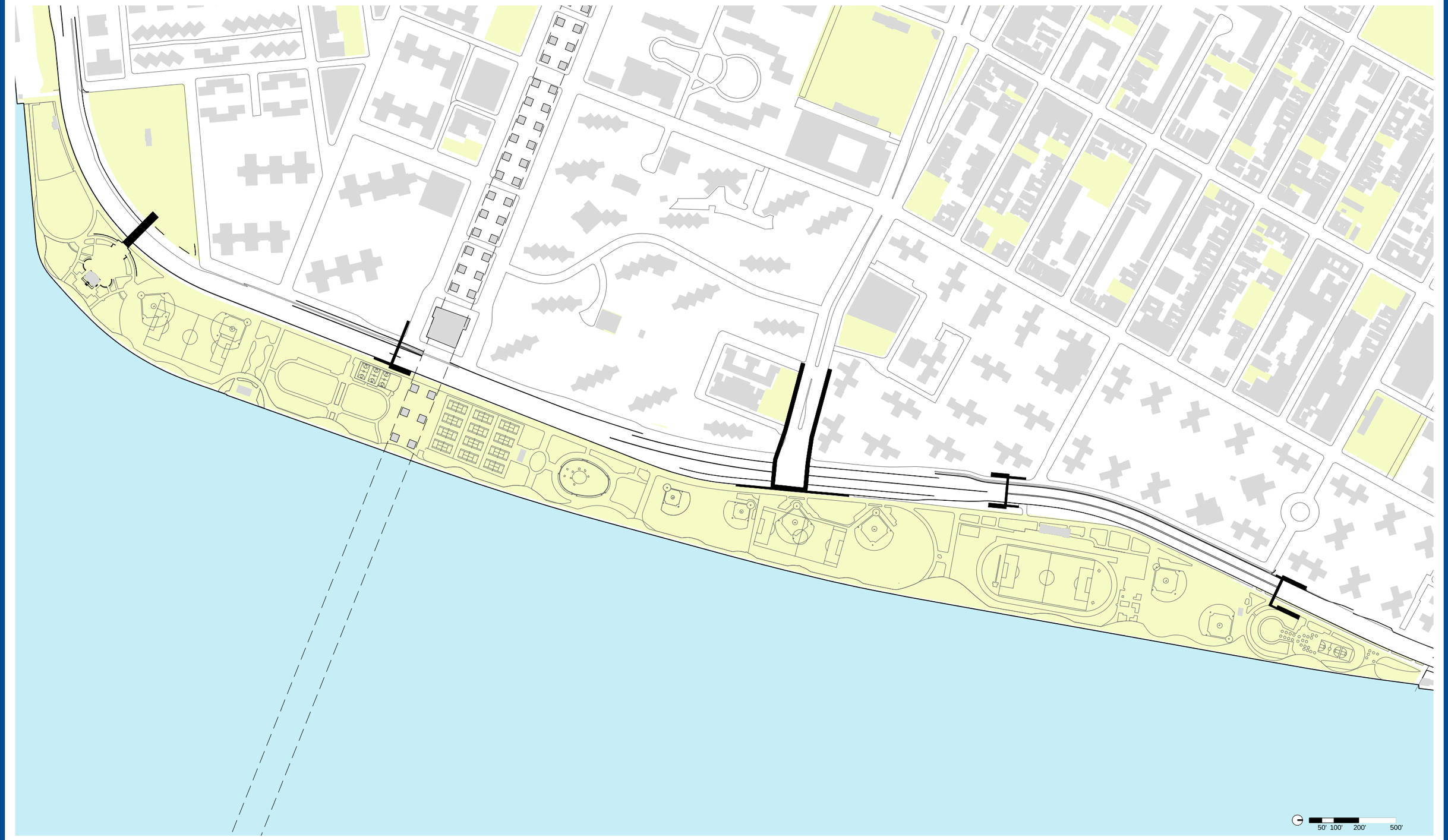
Concept: Enhancing access and natural open spaces.

# EAST RIVER PARK

## Existing Conditions

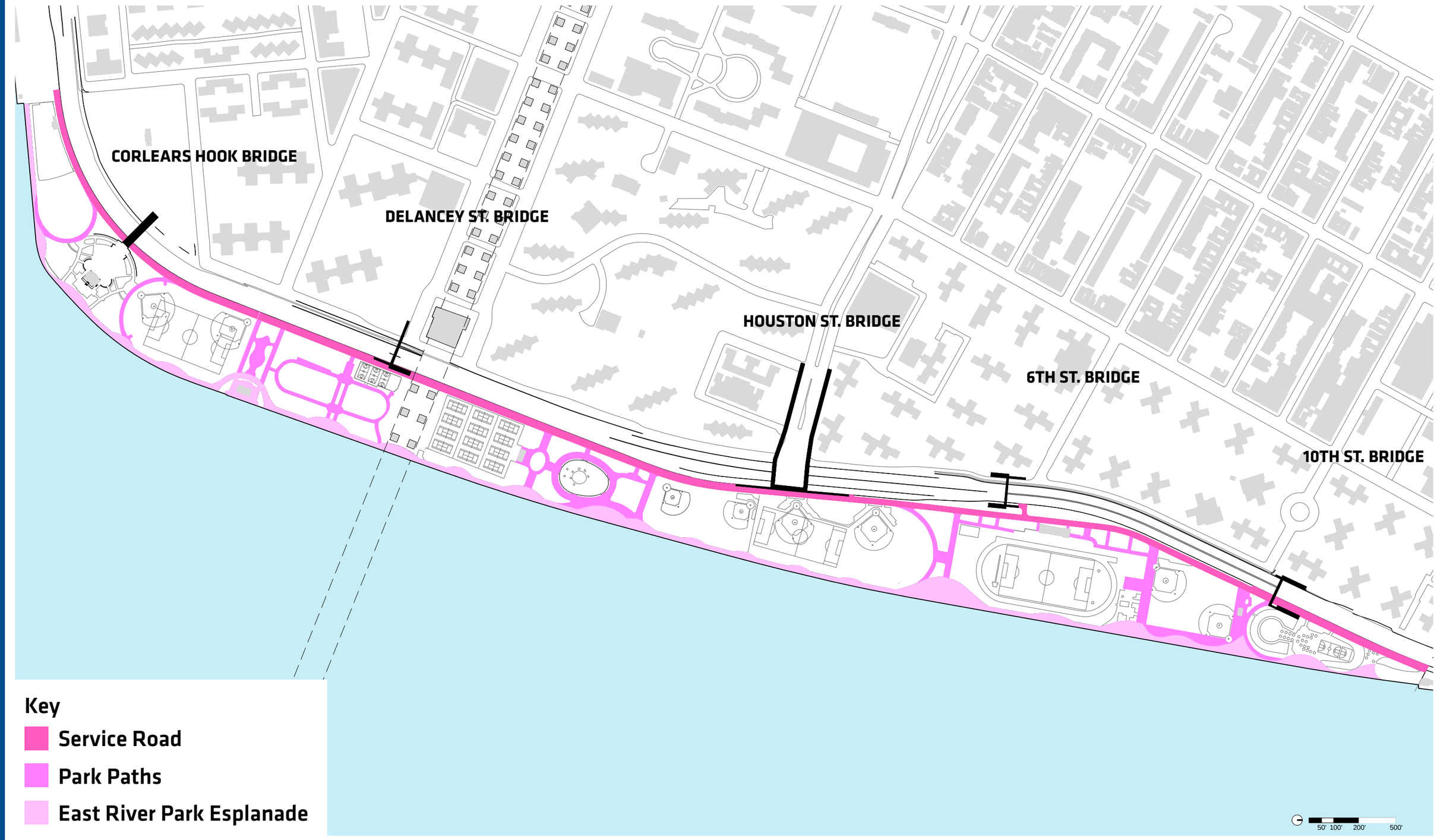
# EAST RIVER PARK

## Surrounding Parks



# EAST RIVER PARK

## Paths and Access Routes



# EAST RIVER PARK

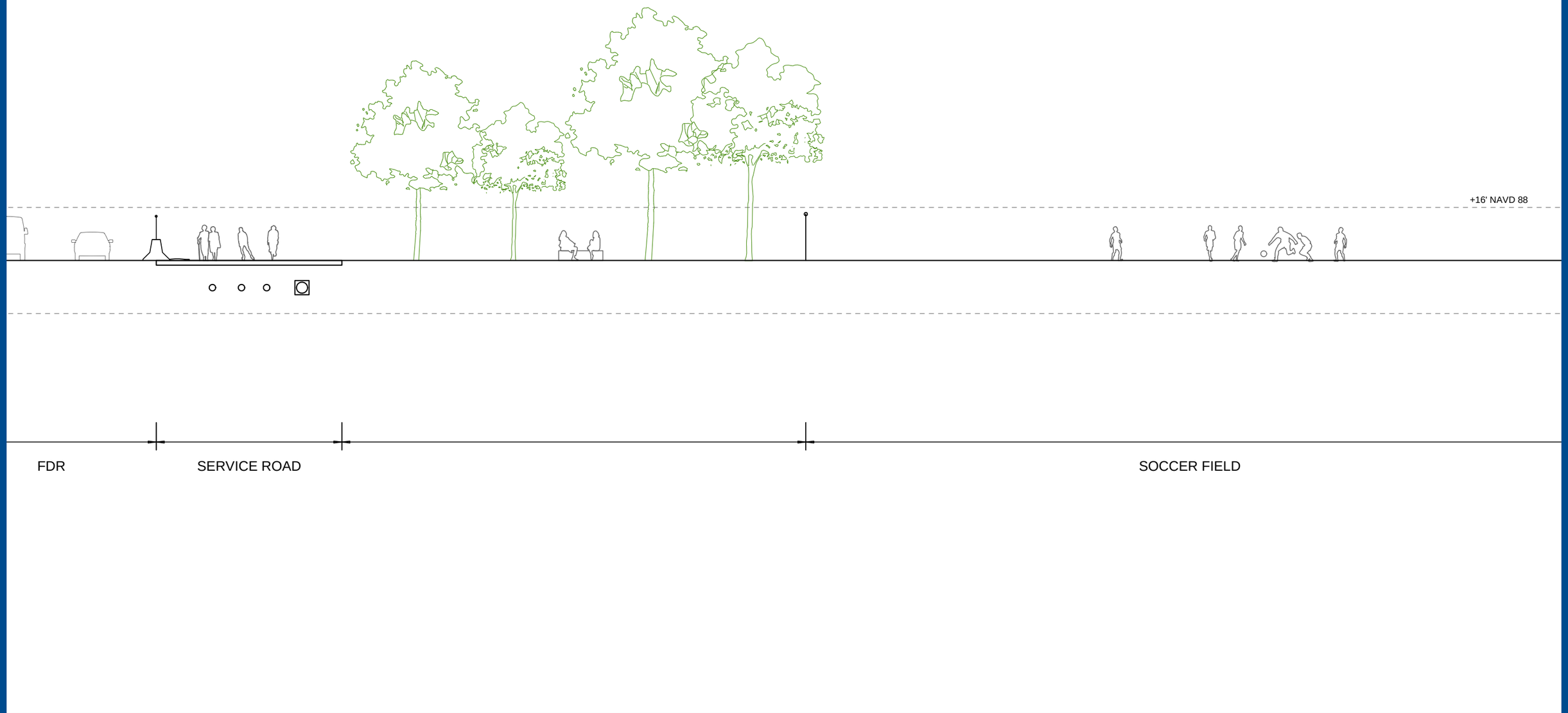
## Sports Fields

# EAST RIVER PARK

## Passive Space Opportunities

# SECTIONAL STUDIES

## Typical Existing Conditions

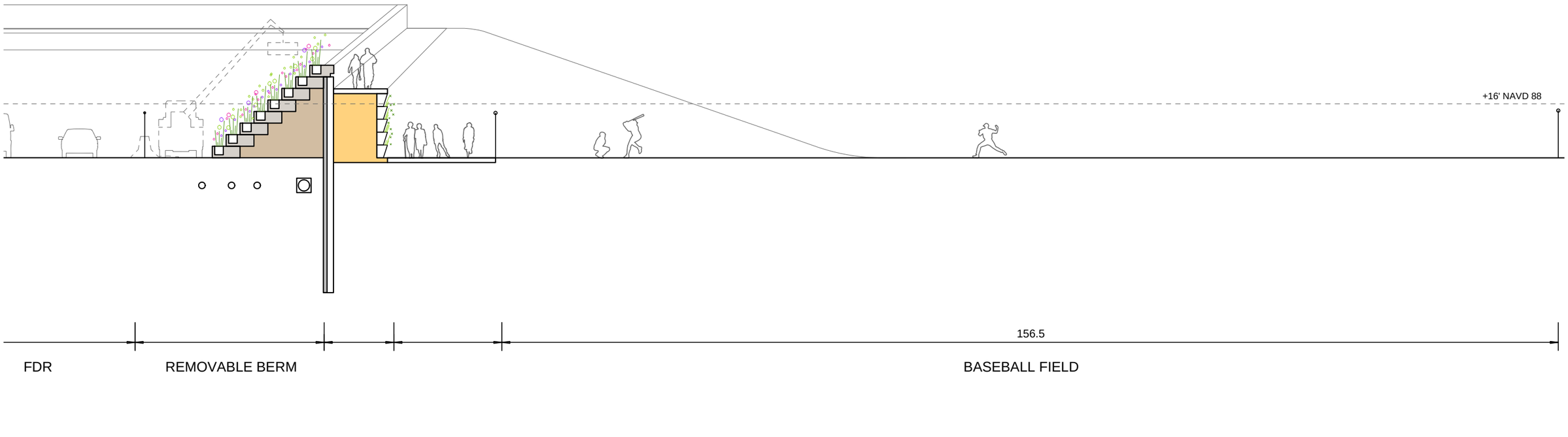


# SECTIONAL STUDIES

## Refining Rebuild by Design Concept with New Technical Input

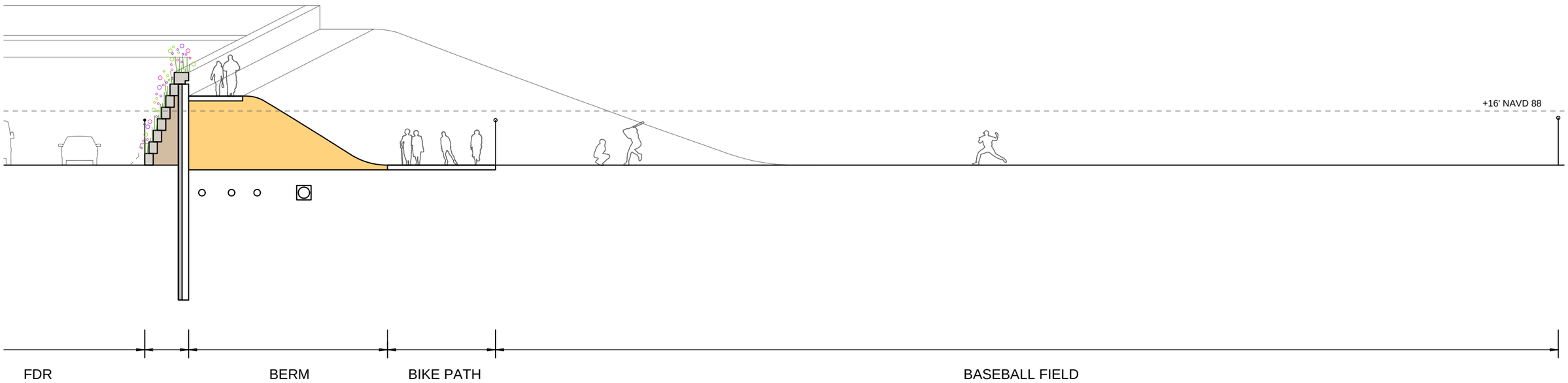
# SECTIONAL STUDIES

## Parkside Berm to Contract at Narrow Segments



# SECTIONAL STUDIES

## Highwayside Berm to Contract at Narrow Segments



# PASSIVE SPACE OPPORTUNITIES

## Typical Section Along Service Road

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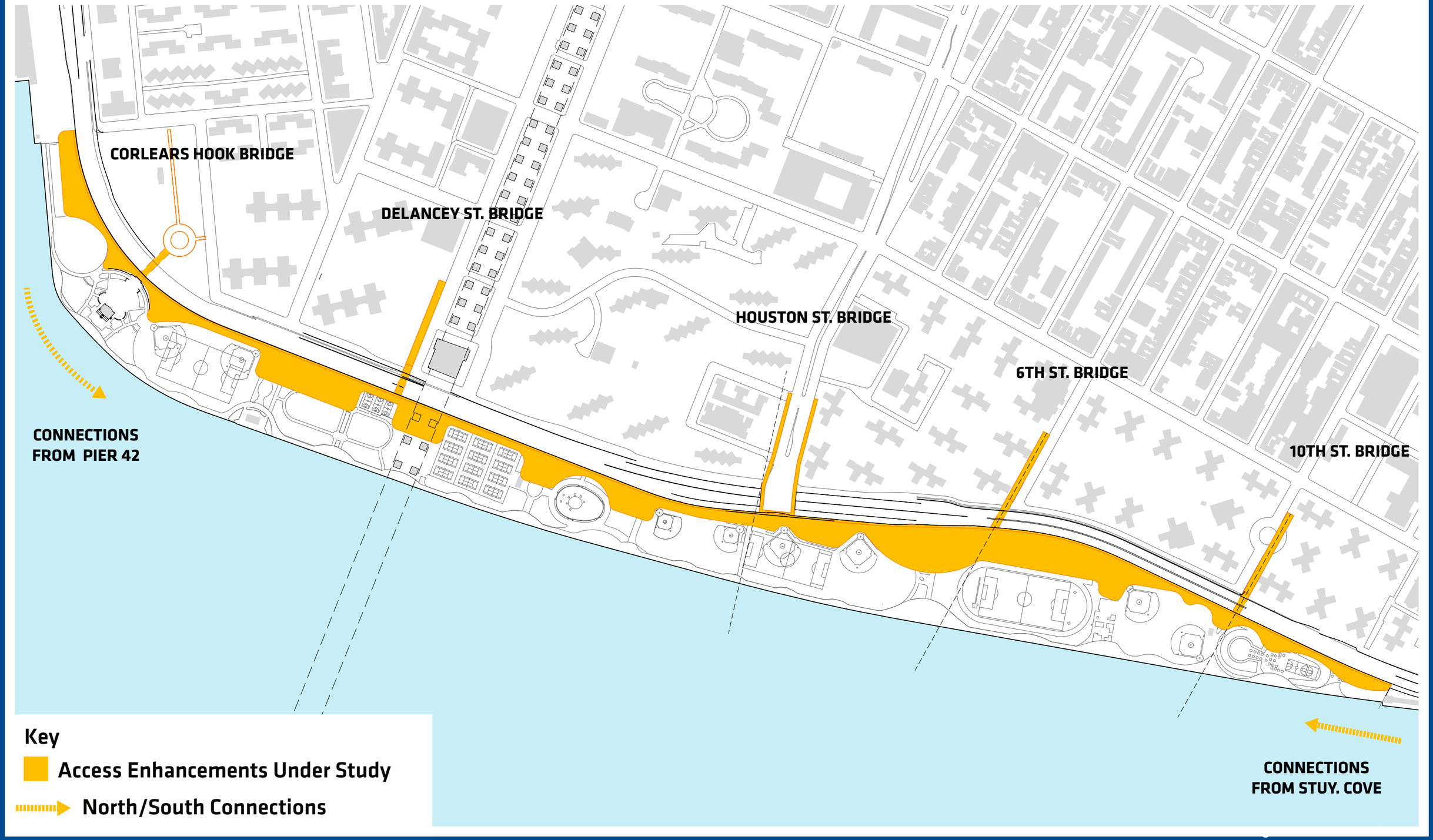
## Typical Section Along Service Road

# EAST RIVER PARK

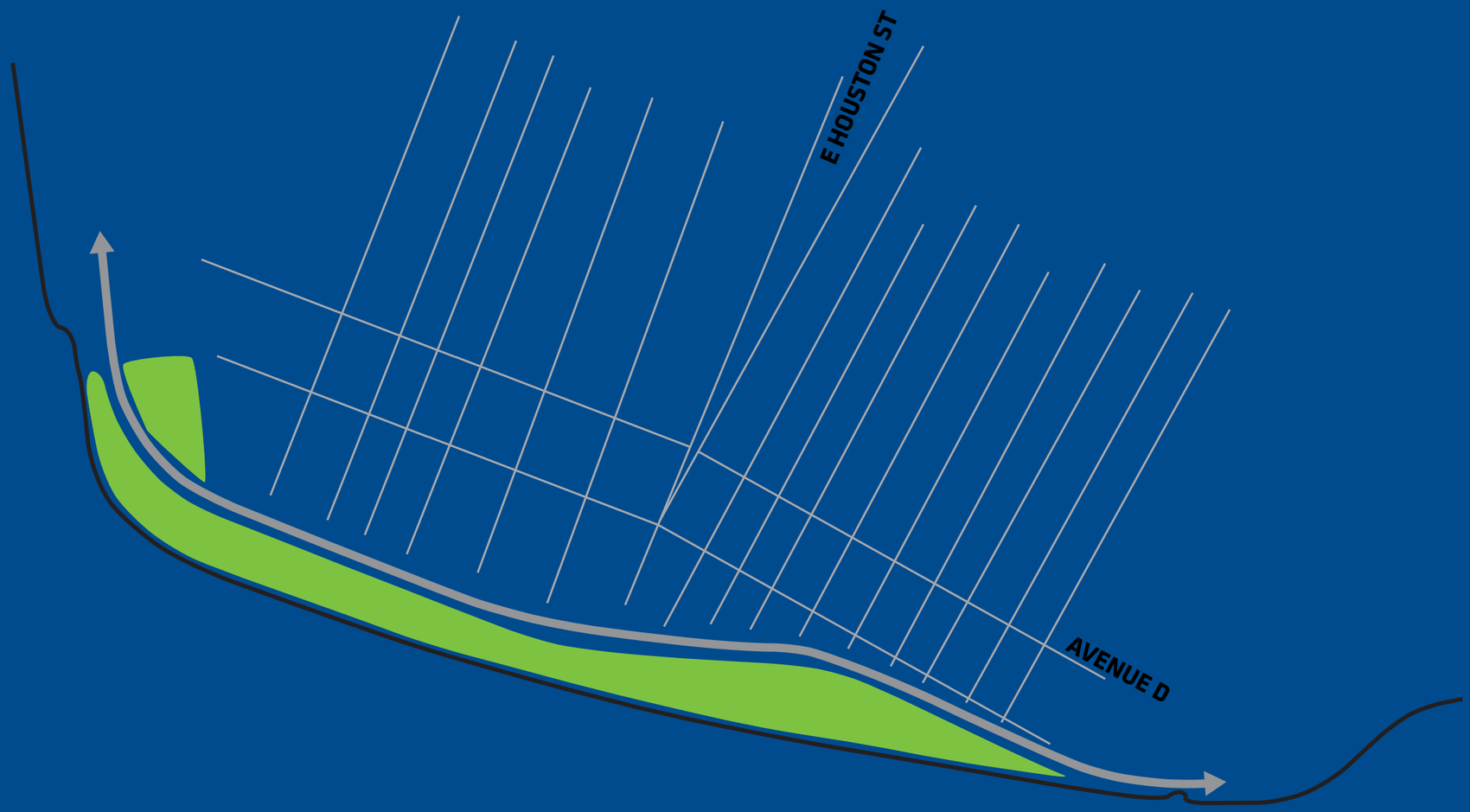
## Access Enhancements Under Study



# EAST RIVER PARK - CONNECTIONS

# 1930 - EAST RIVER DRIVE CONSTRUCTED

Completed in 1939, East River Park was constructed alongside the East River Drive (later renamed FDR Drive), a tree-shaded esplanade conceived by Robert Moses in the 1930s.



# 1930 - EAST RIVER DRIVE CONSTRUCTED

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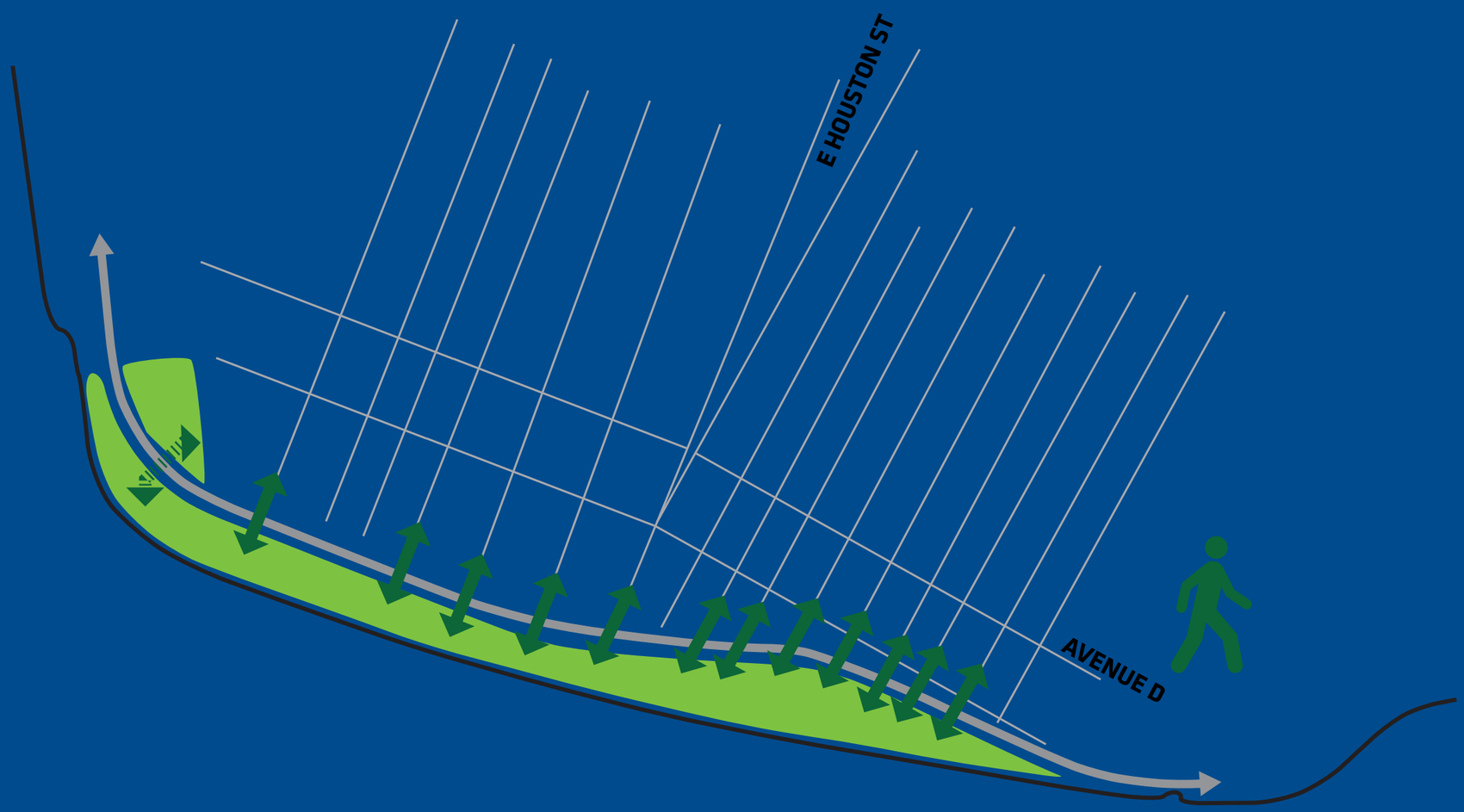
**EAST RIVER PARK AND FDR UNDER CONSTRUCTION**

1935

# 1930-1950 - BOULEVARD CROSSINGS

Numerous at-grade pedestrian crossings allowed for easy access to the amenities of East River Park.



# 1930-1950 - BOULEVARD CROSSINGS

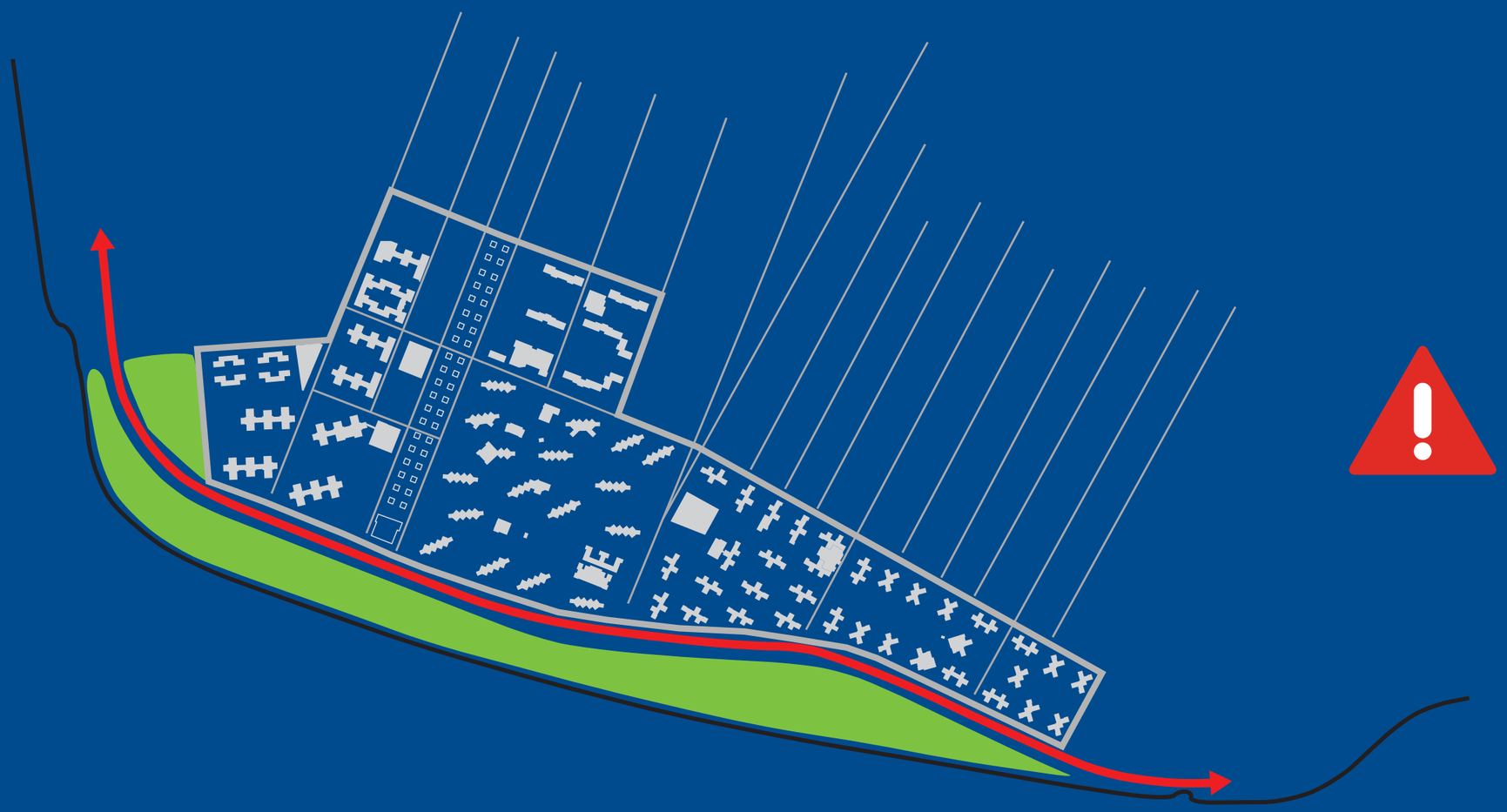
Numerous at-grade pedestrian crossings allowed for easy access to the amenities of East River Park.

**WILLIAMSBURG BRIDGE PEDESTRIAN CROSSING**

1941

# 1950s - EXPRESSWAY

Between 1948 and 1966, the Boulevard was converted into a separated, high-speed expressway, eliminating the possibility for crossings at street.



# 1950s - EXPRESSWAY

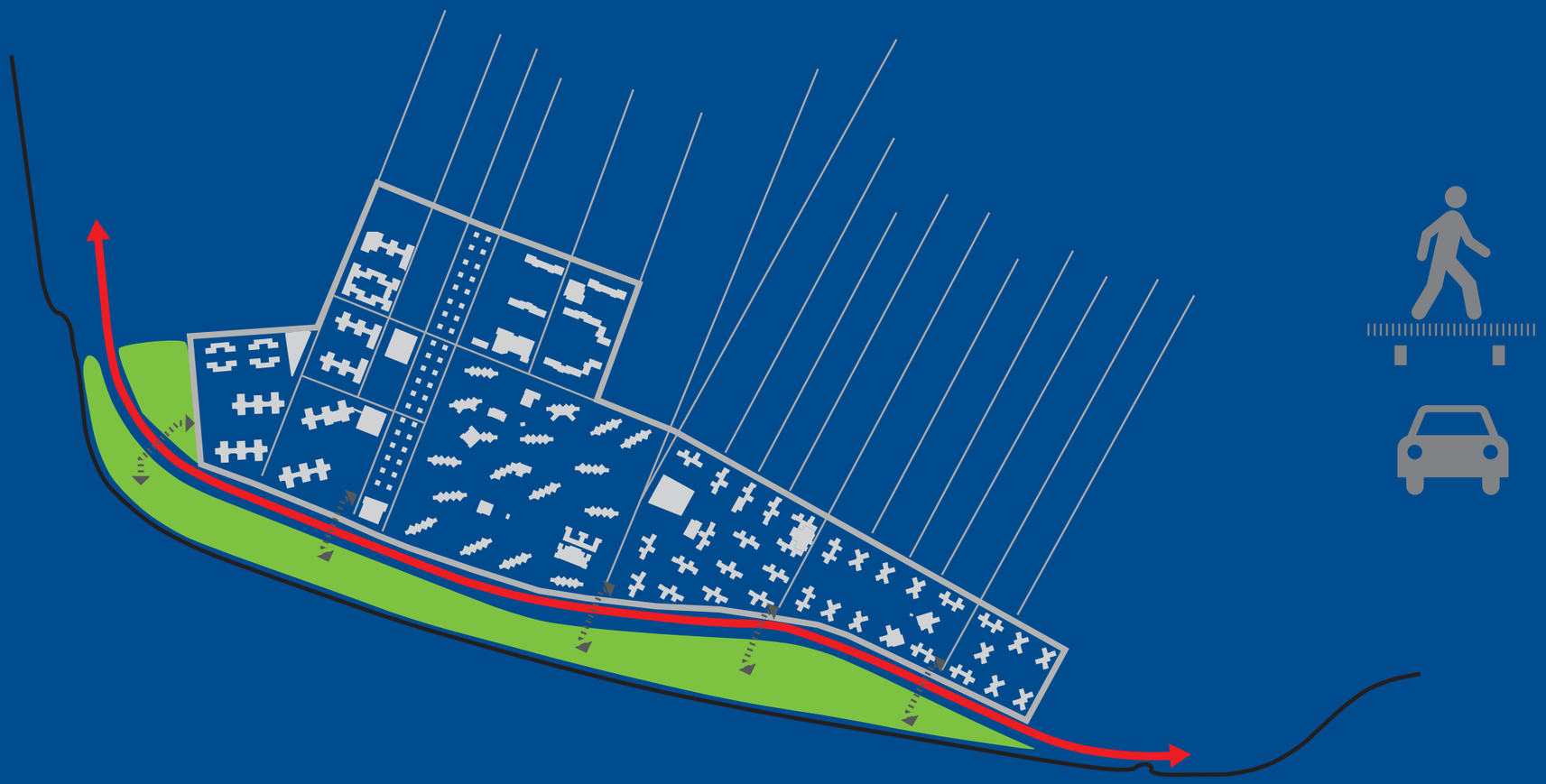
Between 1948 and 1966, the Boulevard was converted into a separated, high-speed expressway, eliminating the possibility for crossings at street.


**RE-CONFIGURATION AS EXPRESSWAY**

1953

# 1950s - BRIDGES

Four elevated pedestrian bridges were constructed to replace the original at-grade crossings. Access into East River Park is limited to a total of five narrow connection points onward.



# 1950s - BRIDGES

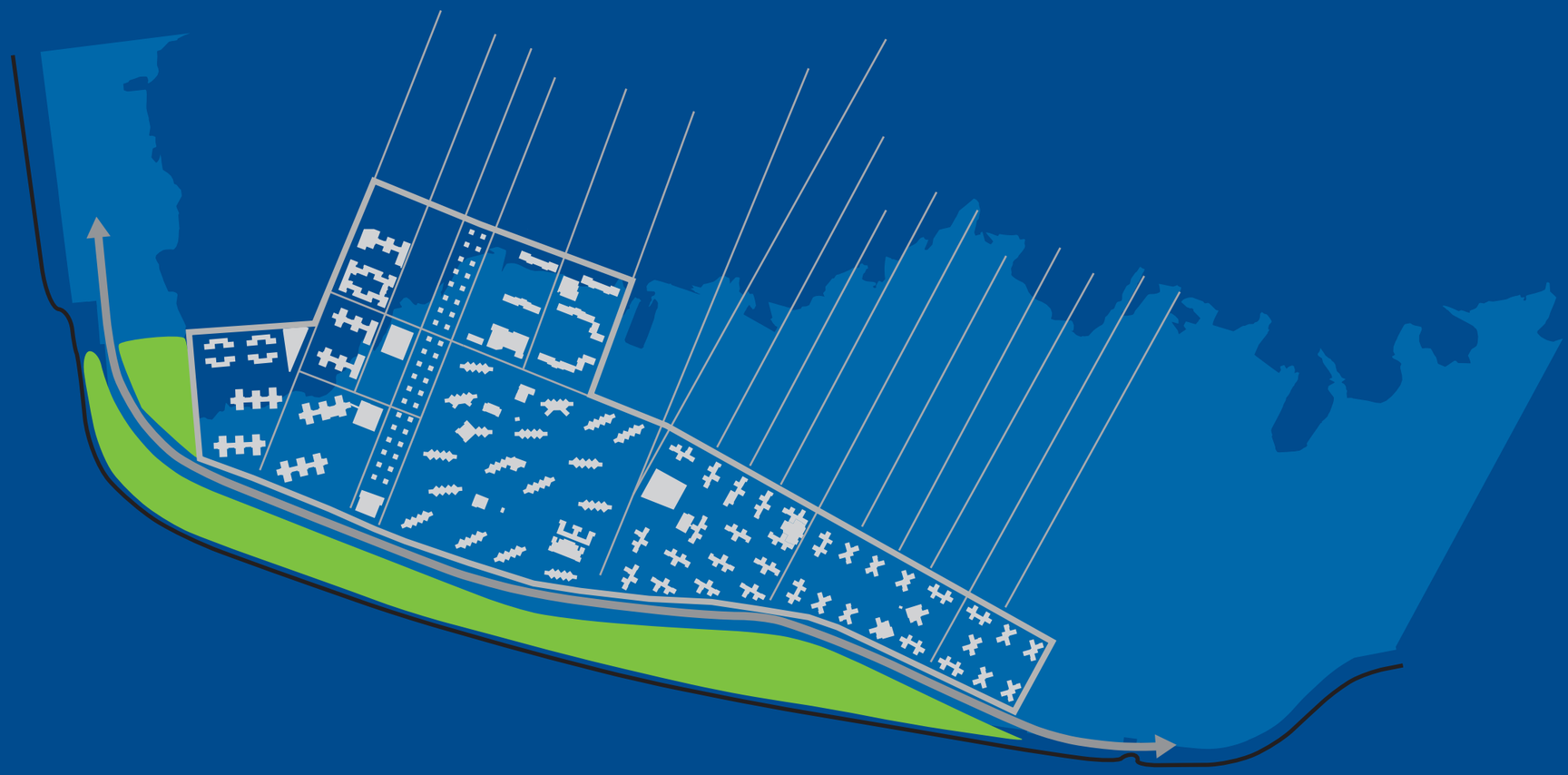
Four elevated pedestrian bridges were constructed to replace the original at-grade crossings. Access into East River Park is limited to a total of five narrow connection points onward.


**6TH STREET BRIDGE CONSTRUCTION**

1954

# 2015 - RISK

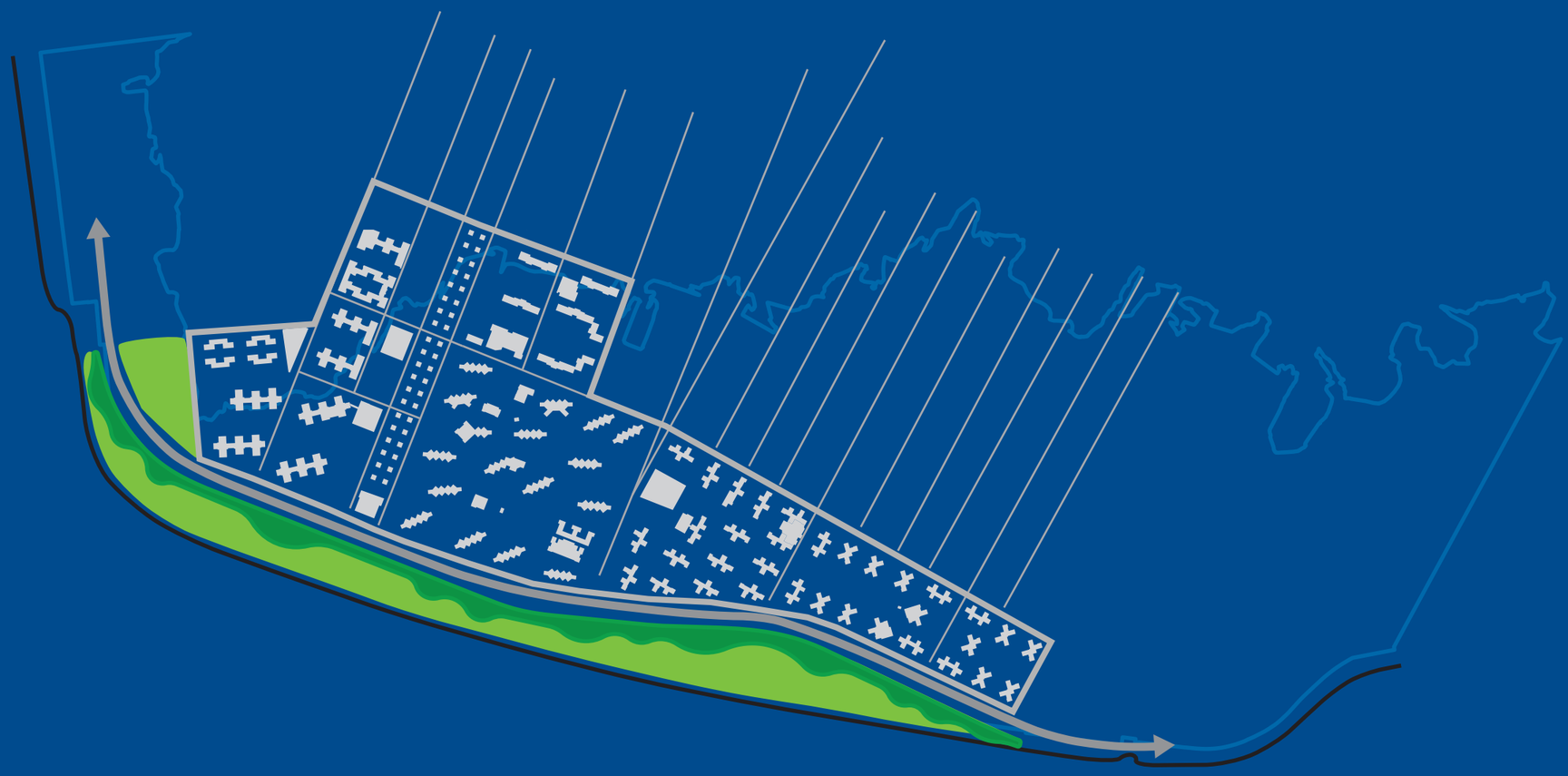
The ESCR Project is conceived as the risk of flood and other climate related events is increasing.



# BERM

The ESCR Project envisions an integrated, neigborhood sensitive resiliency measure which would, firstly:

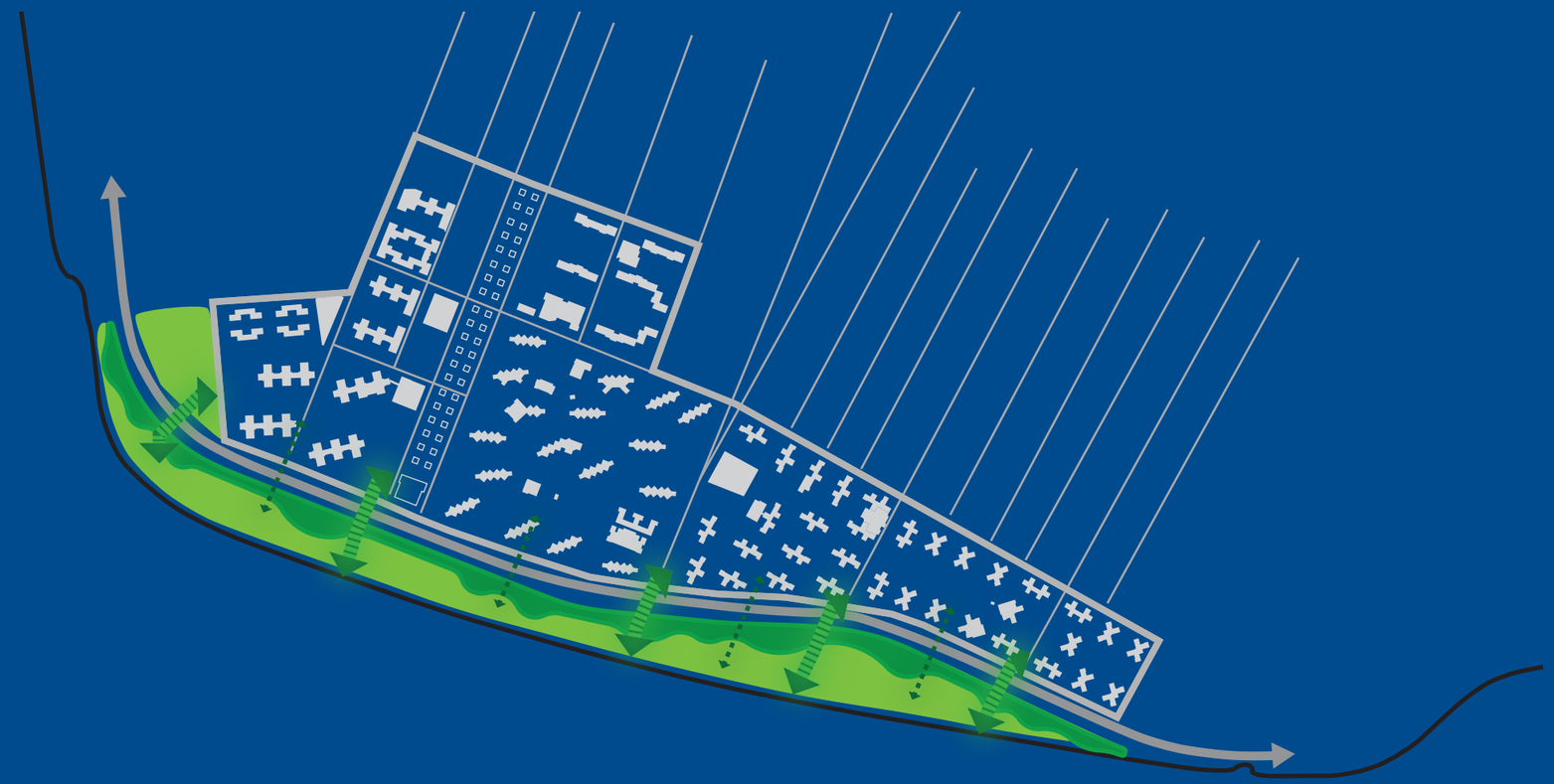
**Mitigate flood risk by creating an elevated berm along East River Park.**



# BRIDGING PARK AND COMMUNITY

At the same time, the ESCR Project aims to enhance access to East River Park by employing a "Bridging Berm" concept which would:

**Create stronger connections between the waterfront and the community, and anticipate the potential for additional access points in the future.**



**ACCESS TODAY**

HOUSTON STREET

# HOUSTON STREET - VEHICULAR CONFLICTS

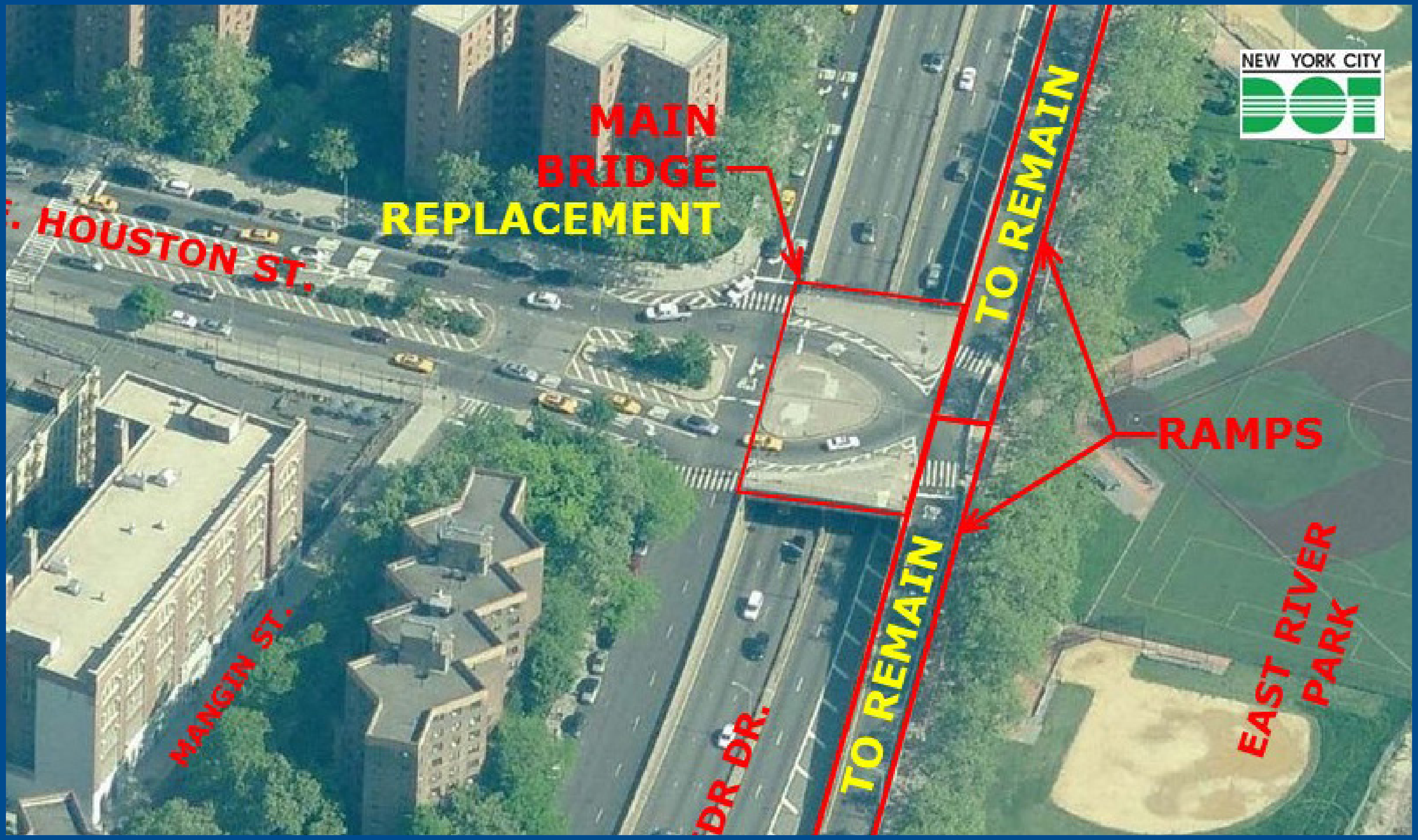
The Houston Street bridge today presents a series of difficult-to-navigate road crossings, with no traffic signals.

# HOUSTON STREET - PARK ACCESS

A single 3'-Wide cut in the concrete barrier announces entry into the park.

# HOUSTON STREET - DOT IMPROVEMENTS

The NYC Dept. of Transportation will be replacing the Houston Street deck by 2016, and introducing traffic signals as part of that work.



# HOUSTON STREET - PARK ARRIVAL

The ESCR Project will coordinate with DOT's work and study upgrades to entry and arrival ramps in the park, as part of integration with the protective berm.

**ACCESS TODAY**

DELANCEY ST.

# DELANCEY ST. - APPROACH

Bridges today are approached along sidewalks with minimal signage, lighting, or greenery to announce entry to the park.

# DELANCEY ST. - WIDTH

Width is typically between 7 and 9 feet.

# DELANCEY ST. - PASSING

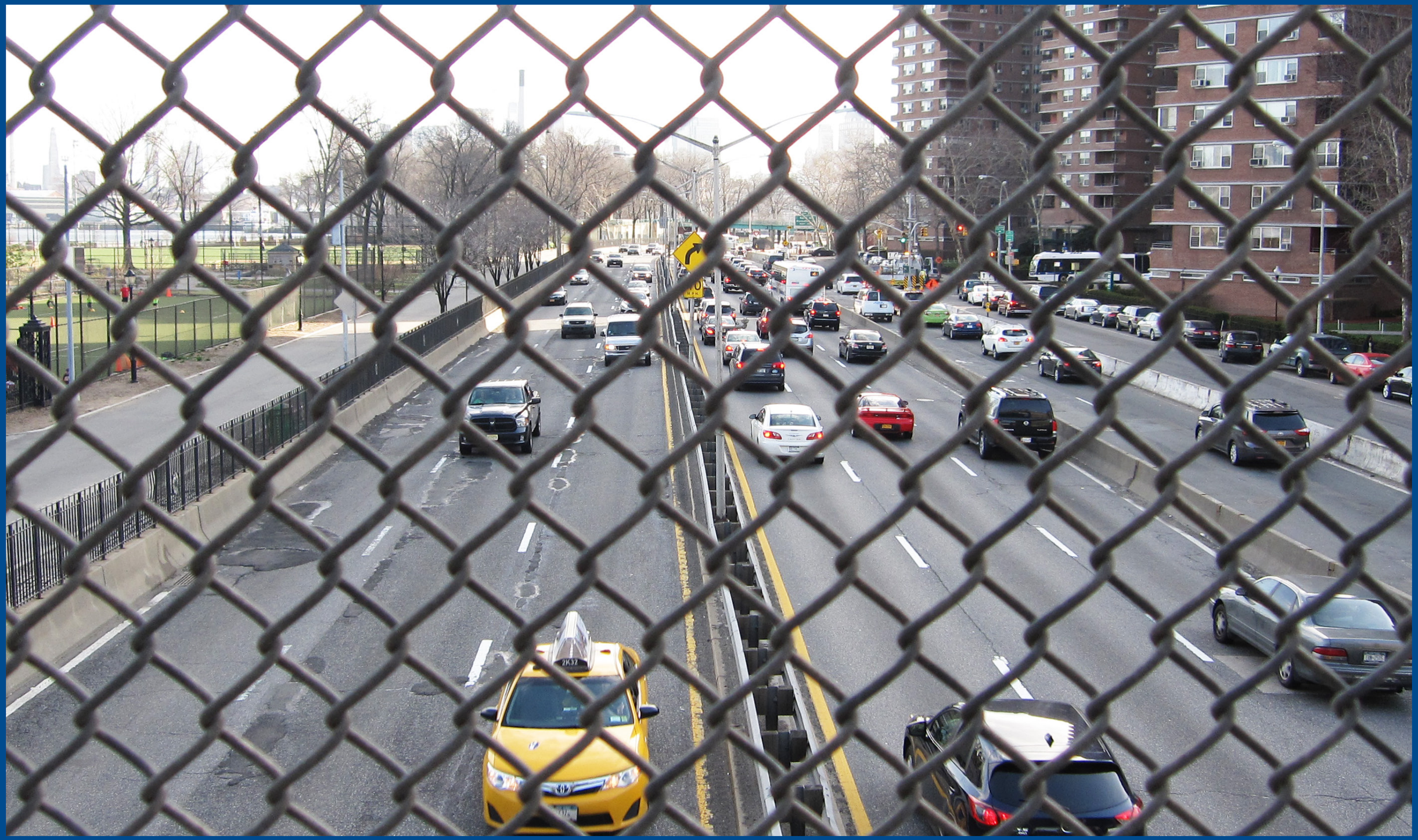
This allows rougly two people to pass in either direction if they are walking without strollers, wheelchairs, bikes, or other items.

# DELANCEY ST. - BIKING

Sharp turns do not allow bikers to cross without fully or partially dismounting.

# DELANCEY ST. - EXPERIENCE

Chain-link fence separates pedestrians from the busy 8-lane roadway below.



# DELANCEY ST. - SWITCHBACK RAMPS

Pedestrians and bikers make sharp turns as they descend down the switchback ramps.

# DELANCEY ST. - STAIRS

Alternative stairs allow those for those who choose to, to descend more quickly to the park.

# DELANCEY ST. - PARK ARRIVAL

Entry into the park is adjacent to the FDR, and often lands behind ball-courts with high fences.

**ACCESS TODAY**

CORLEARS HOOK

# CORLEARS HOOK - APPROACH

In contrast, approach to the Corlears Hook bridge occurs in a park-like setting with greenery and generous walkways.

# CORLEARS HOOK - WIDTH

Total width of the bridge is 30 feet, allowing multiple users to pass comfortably.

# CORLEARS HOOK - BIKING

15 foot lane widths in either direction and gentle turns allow bikers to cross smoothly without dismounting.

# CORLEARS HOOK - ARRIVAL

Arrival is accomplished by means of gentle rampways integrated into the landscape, with views and access directly out to the water.

# MARCH COMMUNITY ENGAGEMENT

FINDINGS

# MARCH COMMUNITY ENGAGEMENT FINDINGS

Over 135 residents attended the first round of community engagement workshops for the East Side Coastal Resiliency Project on 03/19 and 03/23.


**SESSION 1: MARCH 19TH, BARD HIGH SCHOOL**


**SESSION 2: MARCH 23RD, WASHINGTON IRVING HIGH SCHOOL**

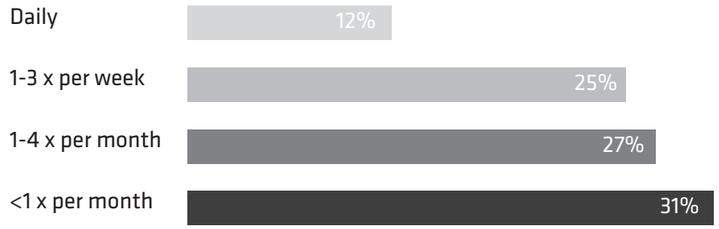
# MARCH COMMUNITY ENGAGEMENT FINDINGS

A majority of participants would like to see a nature walk (61%)and a cafe (55%) in East River Park.

**USE OF EAST RIVER PARK:**

Do you visit East River Park? **95%** ✓ **5%** ✗

If yes, how often?

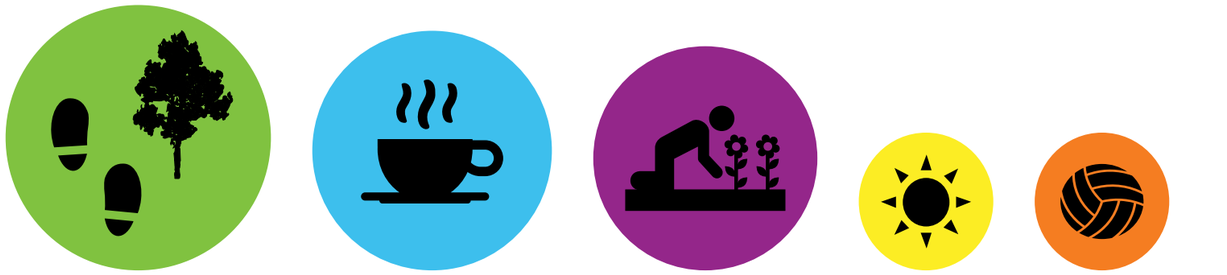



If no, why not?

"It's not as appealing as the Hudson River Park"

"I was robbed of my bike in East River Park"

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



| Nature Walk | Café | Horticultural displays | Sunbathing | Sports (bocceball, volleyball, kayak) |
|---|---|---|---|---|
| 61% | 55% | 52% | 26% | 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

# MARCH COMMUNITY ENGAGEMENT FINDINGS

According to survey, 20th Street is the most frequently used access point to Stuyvesant Cove Park, while the Corlears Hook and Delancey Street bridges are the most frequently used connections to East River Park.

**SURVEY MAP RESPONSES:**

**HOW DO YOU GET TO THE EAST RIVER WATERFRONT?**

# MARCH COMMUNITY ENGAGEMENT FINDINGS

Participants voiced concerns about the quality and safety of the pedestrian connections to the waterfront throughout the ESCR Project area.

## ACCESS POINTS TO THE WATERFRONT:

### DELANCEY STREET PEDESTRIAN BRIDGE


**SESSION 1 & 2 ACTIVITY BOARD**

**DELANCEY ST. BRIDGE ACCESS POINT**

# WORKSHOP ACTIVITY

## HOW CAN THE ESCR PROJECT IMPROVE ACCESS TO EAST RIVER PARK?

# JOIN A TABLE!

**TABLE 1:** CORLEARS HOOK PARK BRIDGE
**TABLE 2:** DELANCEY ST BRIDGE
**TABLE 3:** HOUSTON ST OVERPASS
**TABLE 4:** E6TH ST BRIDGE
**TABLE 5:** E10TH ST BRIDGE
**TABLE 6:** NEIGHBORHOOD CONNECTIONS

# NEXT STEPS

**SIGN IN AT THE FRONT DESK**
**TO STAY IN TOUCH AND HEAR**
**ABOUT UPCOMING MEETINGS AND**
**ANNOUNCEMENTS!**

FOR MORE INFORMATION ABOUT

THE EAST SIDE COASTAL RESILIENCY PROJECT EMAIL US AT:

**nycresiliency@cityhall.nyc.gov**

# NEXT STEPS

## THIS MEETING WILL BE REPEATED:

MAY 28TH FROM 6:30-8:30PM
AT CHURCH OF ST. BRIGID
119 AVENUE B

## TELL YOUR FRIENDS!

# NEXT STEPS

## THE NEXT TASK FORCE MEETING WILL BE HELD:

## JULY 9TH - TIME AND LOCATION TO BE ANNOUNCED