East Side Coastal Resiliency

Community Board 3
Parks, Recreation, Waterfront and Resiliency Committee

442 East Houston Street
(PS/MS 188, The Island School)

June 11, 2019
PRESENTATION AGENDA

PROJECT OVERVIEW & SCHEDULE

DESIGN REVIEW

ENVIRONMENTAL REVIEW & APPROVALS
PROJECT OVERVIEW & SCHEDULE
Provide a reliable, integrated flood protection system; minimize use of closure structures.

Improve waterfront open spaces and access.

Achieve implementation milestones and project funding allocations as established by HUD.

Respond quickly to the urgent need for increased flood protection and resiliency.
PROVIDE FLOOD PROTECTION
OVERALL PROJECT AREA
PROJECT AREA 1 AND 2

(NOT TO SCALE)
IMPROVED RESILIENCY FOR COMMUNITY
INTEGRATED FLOOD PROTECTION SYSTEM

LEGEND
- Swing Gate
- Roller Gate
- New Flood Protection (Below Ground)
- Floodwall
- Existing VA Hospital Floodwall
- 2015 FEMA 100-YEAR Flood Hazard Boundary
- 2050s FEMA 100-YEAR Flood Hazard Boundary

SITE STRATEGY: FLOOD WALLS

PROJECT AREA 1
PROJECT AREA 2

FLOODWALL & GATES
RAISED BULKHEAD AND SEEPAGE BARRIER (BELOW GROUND)

2015 FEMA 100-YEAR Flood Hazard Boundary
2050s FEMA 100-YEAR Flood Hazard Boundary

EAST RIVER

DELANCEY ST
HOUSTON ST
AVENUE C
MONTGOMERY ST

ELEVATED EAST RIVER PARK

FLOODWALL & GATES
IMPROVED WATERFRONT ACCESS
REPLACING, IMPROVING AND CREATING NEW CONNECTIONS

PROJECT AREA 1
FLOODWALL PROTECTION
EXISTING VA HOSPITAL FLOODWALL
EAST RIVER PARK
PARK ACCESS (BRIDGE)
PARK ACCESS (AT GRADE)

PROJECT AREA 2

DELANCEY ST
HOUSTON ST
10TH ST
6TH ST
14TH ST
20TH ST
23RD ST
AVENUE C

FDR DRIVE
MONTGOMERY ST
EAST RIVER

REPLACE
DELANCEY ST. BRIDGE
REPLACE
E. 10TH ST. BRIDGE
REPLACE
CORLEARS HOOK BRIDGE

PRESERVE
E. 20TH STREET CONNECTION
PRESERVE
E. 6TH ST. BRIDGE
IMPORVE
E. HOUSTON STREET BRIDGE LANDING
CREATE
FLYOVER BRIDGE AT PINCH POINT

LEGEND
- Park Access (Bridge)
- Park Access (At Grade)
- East River Park
- Floodwall Protection
- Existing VA Hospital Floodwall
IMPROVED SCHEDULE
OPERABLE SYSTEMS FOR 2023 HURRICANE SEASON

EAST RIVER PARK

MURPHY BROTHERS PLAYGROUND
STUYVESANT COVE PARK
ASSER LEVY PLAYGROUND

GROUND BREAKING
OPERABLE FLOOD PROTECTION SYSTEM
FINISH
PROJECT SCHEDULE OVERVIEW

**DESIGN & CONSTRUCTION**

- **CONCEPT**
- **PRELIMINARY DESIGN**
- **FINAL DESIGN**
- **GROUND BREAKING**
- **PROCUREMENT**
- **CONSTRUCTION**

**ENVIRONMENTAL REVIEW**

- DRAFT SCOPE OF WORK
- DRAFT EIS
- DEIS ISSUED
- PUBLIC REVIEW
- FEIS ISSUED
- FEIS ISSUED

**APPROVALS & PERMITTING**

- PREPARATION
- PDC CONCEPTUAL DESIGN
- ULURP CERTIFICATION
- PDC PRELIMINARY DESIGN
- JOINT PERMIT APPLICATION
- CITY COUNCIL REVIEW ENDS
- PDC FINAL DESIGN

**COMMUNITY ENGAGEMENT**

- INTERACTIVE COMMUNITY MEETINGS
- COMMUNITY MEETINGS & OPEN HOUSES
- DEIS & ULURP PUBLIC HEARING
- COMMUNITY MEETINGS

**COMMUNITY BOARD MEETINGS**

- CB3 & CB6 COMMITTEES
- CB3 & CB6 FULL BOARDS
- CB3 & CB6 COMMITTEES
- CB3 & CB6 FULL BOARDS
- CB3 & CB6 COMMITTEES
- CB3 & CB6 FULL BOARDS

**TIMELINE**

- FALL 2018
- WINTER 2019
- SPRING 2019
- SUMMER 2019
- FALL 2019
- WINTER 2020
- SPRING 2020
STAKEHOLDER & COMMUNITY ENGAGEMENT

MEETINGS TO DATE

STAKEHOLDER

• LUNGS
• LES READY!
• NYCHA Resident Association Leadership
• New Yorkers for Parks
• Lower East Side Power Partnership
• Regional Plan Association
• Gouverneur Gardens Co-Op Residents
• NYCHA Riis Residents
• NYCHA Baruch Residents
• East River Houses Board & Residents
• NYCHA LES II, V & Bracetti Plaza Residents
• East River Alliance
• Friends of Corlears Hook Park
• NYCHA Lillian Wald Residents
• GOLES
• Public School Athletic League (PSAL)
• Peter Stuyvesant Little League
• Waterside Plaza Tenants Association Leadership
• Waterside Plaza Management
• Stuyvesant Town- Peter Cooper Village Tenants Association
• Solar One
• Peter Cooper Village
• Stuyvesant Town
• Stuyvesant Town-Peter Cooper Village Management
• Design and Programming workshops for Murphy Brothers and Asser Levy Playgrounds
• Multiple Asser Levy Alignment Meetings
• VA Hospital
• NYU Langone
• Large-scale Public Engagement Meetings: Most recent meetings held 12/10/2018; 12/11/2018
• Project Open Houses 05/14/2019 & 05/15/2019
• Grand Street - Town Hall
• Project Open Houses 06/05/19 & 06/06/19
• Various other targeted Stakeholder Meetings

ELECTED OFFICIAL AND COMMUNITY BOARD MEETINGS

• Borough President Brewer
• Council Member Chin
• Council Member Rivera
• Council Member Powers
• Assembly Member Niou
• Assembly Member Epstein
• Senator Hoylman
• Senator Kavanaugh
• Representative Maloney
• Representative Velazquez
• CB3 Parks/Waterfront Committee
• CB3 Full Board
• CB6 Land Use/Waterfront Committee
• CB6 Full Board
• CB6 Working Group
• CB3/CB6 Joint Waterfront Task Force
DESIGN REVIEW
MONTGOMERY STREET
FLOOD GATE IN OPEN POSITION

FLOODWALL
TOP OF WALL: EL. +16.5
WALL HT: APPROX. 1.5'

FLOODWALL
TOP OF WALL: EL. +16.5
WALL HT: APPROX. 4.5'

DESIGN TEAM IS STUDYING
FLOODWALL FINISHES

Montgomery Street Open
Preliminary Redesign
MONTGOMERY STREET
FLOOD GATE IN CLOSED POSITION
CORLEARS HOOK PARK

RE-CONSTRUCTED CORLEARS HOOK BRIDGE

CIRCULATION AND GRADING REDESIGNED IN CORLEARS HOOK PARK TO PROVIDE ACCESSIBLE BRIDGE

RECONSTRUCTED AMPHITHEATER

AMPITHEATER DESIGN SUPPORTS DAY-TO-DAY USE, COMMUNITY PROGRAMMING & PASSIVE RECREATION

AMPITHEATER DESIGN IS IN PROGRESS
AMPHITHEATER DESIGN IS IN PROGRESS
NATURE EXPLORATION
PRELIMINARY DESIGN

[Image of a park or urban space with various elements such as playgrounds, green areas, and buildings]
HOUSTON STREET
PRELIMINARY DESIGN
TRACK & EAST 10TH STREET
PRELIMINARY DESIGN
TRACK HOUSE AND FITNESS AREA
PRELIMINARY DESIGN

FITNESS AREA

CHALLENGE COURSE

FITNESS AREA AND CHALLENGE COURSE DESIGN IS IN PROGRESS
THE INTERIOR DRAINAGE SYSTEM IS DESIGNED TO WITHSTAND A 5-YEAR NOAA RAINSTORM OCCURRING AT THE SAME TIME AS A 100-YEAR STORM SURGE.

THE INTERIOR DRAINAGE IS ALSO DESIGNED TO WITHSTAND THE FUTURE RISK OF A 2-YEAR NOAA RAINSTORM OCCURRING AT THE SAME TIME AS A 100-YEAR STORM SURGE AND 2050s SEA LEVEL RISE.

UPLAND DRAINAGE STRATEGY: PARALLEL CONVEYANCE.

INTERCEPTOR GATE BUILDING.
IMPROVED DRAINAGE
SOUTH INTERCEPTOR GATE CHAMBER BUILDING

CORLEAR’S HOOK PARK

SOUTH GATE BUILDING
(IN DOT RIGHT OF WAY OUTSIDE OF PARK)

INTERCEPTOR GATE CHAMBER BELOW

JACKSON STREET

FDR
SOUTH GATE BUILDING

SITE PLAN

CORLEAR'S HOOK PARK

Interceptor Gate Building

1. Storage Area
2. Hydraulic Area
3. Pump Area
4. Electric Room

Interceptor Gate Chamber and Access Hatches

Re-Routed Water Main

Parallel Conveyance
Re-Aligned Path, 11' Wide Min

Mobile Generator Pad w/ Deployable Flood Barrier

FDR (SOUTH BOUND LANES)

SCALE: 1/16" = 1'

0' 5' 20' 40'

N

RIGHT OF WAY LINE

68'-0"

10'-8"

SOUTH GATE BUILDING

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N

RIGHT OF WAY LINE

68'-0"

10'-8"
SOUTH GATE BUILDING
PERSPECTIVE VIEW FROM NORTH
ENVIRONMENTAL REVIEW & APPROVALS
COORDINATED ENVIRONMENTAL REVIEW UNDER 3 STATUTES:

*Environmental Impact Statement (EIS) will satisfy requirements of all three statutes*
- National Environmental Policy Act (NEPA)
- State Environmental Quality Review Act (SEQRA)
- City Environmental Quality Review (CEQR)

LEAD AGENCIES:

*Environmental review coordinated by head agencies, with cooperating, involved and interested Federal, State and City agencies*
- NEPA - NYC Office of Management and Budget
- SEQRA/CEQR - Department of Parks & Recreation
OVERVIEW OF EIS ALTERNATIVES

ALTERNATIVE 1: No Action Alternative

ALTERNATIVE 2: Flood Protection System on the West Side of East River Park – Baseline

ALTERNATIVE 3: Flood Protection System on the West Side of East River Park – Enhanced Park and Access

ALTERNATIVE 4: Flood Protection System with a Raised East River Park (Preferred Alternative)

ALTERNATIVE 5: Flood Protection System East of FDR Drive
ACQUISITION (EASEMENTS):

Project Area One
- Gouverneur Gardens Cooperative
- East River Housing Corporation
- NYCHA (Riis Houses and Baruch Houses)

Project Area Two
- Con Edison – For Operations & Maintenance of the Flood Protection System
  - Con Edison Power Station
  - Con Edison Office and Parking Lot
- VA Medical Center – For Operations & Maintenance of the Flood Protection System
  - VA Hospital
- Captain Patrick J. Brown Walk – For Construction of the Flyover Bridge

A zoning text amendment is necessary to acknowledge compliance of the proposed design with the City’s Zoning regulations for a portion of the project area

City Map change (anticipated at a later date) for reconstruction of pedestrian bridges.
**DEIS IMPACT ANALYSIS OVERVIEW**

**DEIS OPERATIONAL ANALYSES**
- Land Use, Zoning, and Public Policy (Ch. 5.1)
- Socioeconomics (Ch. 5.2)
- Open Space (Ch. 5.3)
- Historic and Cultural Resources (Ch. 5.4)
- Urban Design and Visual Resources (Views)** (Ch. 5.5)
- Natural Resources (Ch. 5.6)
- Hazardous Materials (Ch. 5.7)
- Water and Sewer Infrastructure (Ch. 5.8)
- Transportation (Ch. 5.9)
- Neighborhood Character (Ch. 5.10)
- Environmental Justice (Ch. 5.11)

*Potential for Significant Adverse Effects

**DEIS CONSTRUCTIONAL ANALYSES**
- Socioeconomics (Ch. 6.1)
- Open Space** (Ch. 6.2)
- Historic and Cultural Resources (Ch. 6.3)
- Urban Design and Visual Resources (views) (Ch. 6.4)
- Natural Resources (Ch. 6.5)
- Hazardous Materials (Ch. 6.6)
- Water and Sewer Infrastructure (Ch. 6.7)
- Energy (Ch. 6.8)
- Transportation* (Ch. 6.9)
- Air Quality (Ch. 6.10)
- Greenhouse Gas Emissions (Ch. 6.11)
- Noise and Vibration** (Ch. 6.12)
- Public Health (Ch. 6.13)

*Potential for Significant Adverse Effects

**Unavoidable
DETOUR DURING EAST RIVER PARK CONSTRUCTION

- Signs will be installed at the key decision points in the bike network to inform cyclists of the closure.
- Signs will be installed one block west of the Greenway to inform pedestrians of the closure.

SOUTHBOUND CYCLISTS WISHING TO TRAVEL BEYOND 23RD STREET SHOULD USE THE PROTECTED BIKE LINES ON 2ND AVENUE.

STUYVESANT COVE FERRY ACCESS WILL BE MAINTAINED ON 20TH STREET.

NORTHBOUND CYCLISTS MAY USE PIKE/ALLEN STREET OR CLINTON STREET, AND DELANCEY STREET TO REACH 1ST AVENUE.

DETOUR DURING FLYOVER CONSTRUCTION

- Signs on and off the Greenway will direct cyclists and pedestrians to use 10TH STREET AVENUE C.

CONSTRUCTION CLOSURES
PROTECTED BIKE LANE
CONVENTIONAL BIKE LANE
SHARED LANE
NYC PARKS ANTICIPATED NEIGHBORHOOD IMPROVEMENTS

PARK UPGRADES

SPORTS COATING

RAIN GARDENS

TREE PLANTING

PAINTING

ASPHALT TO TURF

SOLAR FIELD LIGHTS
NYC PARKS ANTICIPATED NEIGHBORHOOD IMPROVEMENTS
MORE PROGRAMMING AND NEW PARK SPACES

ACCOMMODATING FIELD USERS

LAGUARDIA BATH HOUSE

MORE RECREATIONAL PROGRAMMING

PIER 42 PHASE 1: UPLAND PARK

MORE NEIGHBORHOOD PARK STAFF

PIER 35
NEXT STEPS: PUBLIC INPUT TO THE EIS/ULURP PROCESSES

**EIS**
- Final Scope of Work: Mar 2019
- DEIS Notice of Completion/Certification: 4/5/2019 (Public Release)
- DEIS Public Comment Period Ends: Aug 15, 2019
- Public Release of FEIS/Notice of Completion: Aug 2019
- DEIS Public Hearing: Jul 31 2019*

**ULURP**
- ULURP Certification (Public Release): 4/22/2019
- Borough President & Borough Board (30 Days)**
- Community Board (60 Days)**
- City Planning Commission (60 Days)**
- City Council (50 Days)**
- Record of Decision (Anticipated): Nov 2019

**PUBLIC INPUT TO THE EIS/ULURP PROCESSES**

* DEIS Comment Period Extends 15 Days After Public Hearing
** Includes Public Hearing

Spring 2019 | Summer 2019 | Fall 2019
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