

# East Side Coastal Resiliency Construction Update

CB3 Parks Committee Meeting  
BRC Senior Services Center  
30 Delancey Street  
May 16, 2024



Mayor's Office of  
Resiliency

# Highlights

- Employment Resources
- Overview of Contracts
  - PA2 Construction Progress
  - PA1 Construction Progress
  - What We've Heard
  - PC Construction Progress



## ESCR Tabling & Community Events

Reach out to project CCLs to schedule!

[ESCR to YOUR School](#)



# Employment Resources



**NYC SMALL BUSINESS MONTH EXPO**

**Small Business Expo**  
Pier 36, 299 South Street,  
New York, NY 10002.

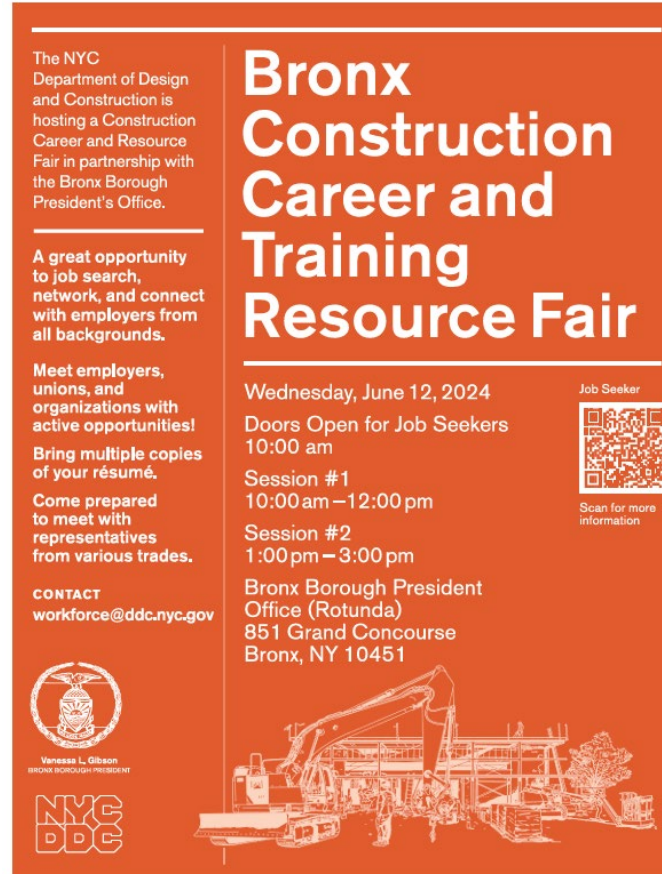
This event aims to provide free information, resources and direct services that address the needs of small business owners of all stages, industries, and boroughs.

**NYC** Small Business Services | Eric Adams Mayor | Kevin D. Kim Commissioner

Wednesday, May 29, 2024

9am – 3pm

[Register Here](#)



The NYC Department of Design and Construction is hosting a Construction Career and Resource Fair in partnership with the Bronx Borough President's Office.

A great opportunity to job search, network, and connect with employers from all backgrounds.

Meet employers, unions, and organizations with active opportunities! Bring multiple copies of your résumé. Come prepared to meet with representatives from various trades.

**CONTACT**  
workforce@ddc.nyc.gov

**Vanessa L. Gibson**  
BRONX BOROUGH PRESIDENT

**NYC DDC**

**Bronx Construction Career and Training Resource Fair**

Wednesday, June 12, 2024  
Doors Open for Job Seekers 10:00 am

Session #1  
10:00 am – 12:00 pm

Session #2  
1:00 pm – 3:00 pm

Bronx Borough President Office (Rotunda)  
851 Grand Concourse  
Bronx, NY 10451

Job Seeker QR code: Scan for more information

Wednesday, June 12, 2024

10am -12pm & 1 - 3pm

[Register Here](#)



**EAST SIDE COASTAL RESILIENCY**

**Spring 2024 Work With Us Quarterly Information Session**  
Calling All College Graduates & Opportunity Seekers!  
Learn About What It Takes to Work on Infrastructure Construction Projects in NYC

Tuesday, June 18th, 2024 | 10:00 AM - 11:30 AM  
Rutgers Community Center | 200 Madison Street NY, NY 10002  
(Take the F Train to East Broadway stop)

Sign up during the event for short specialized presentations! Hear from professionals who have extensive industry experience.

**Learn about:**

- What it takes to work successfully on infrastructure projects
- What skills and education are needed
- What area of expertise is trending

Submit your resume and receive updates on job opportunities that match your experience.

**Pre-register Here**  
Pre-register using the QR code above, or, by visiting our Work With Us site using the link below:  
<https://www.nyc.gov/site/escr/contact/work-with-us.page>

Have questions? Submit an inquiry:  
<https://www.nyc.gov/site/escr/contact/contact.page>

**NYC** Department of Design and Construction | **NYC** Small Business Services | **NYC** DOT | **NYC** Department of Transportation

Tuesday, June 18, 2024

10am – 11:30am

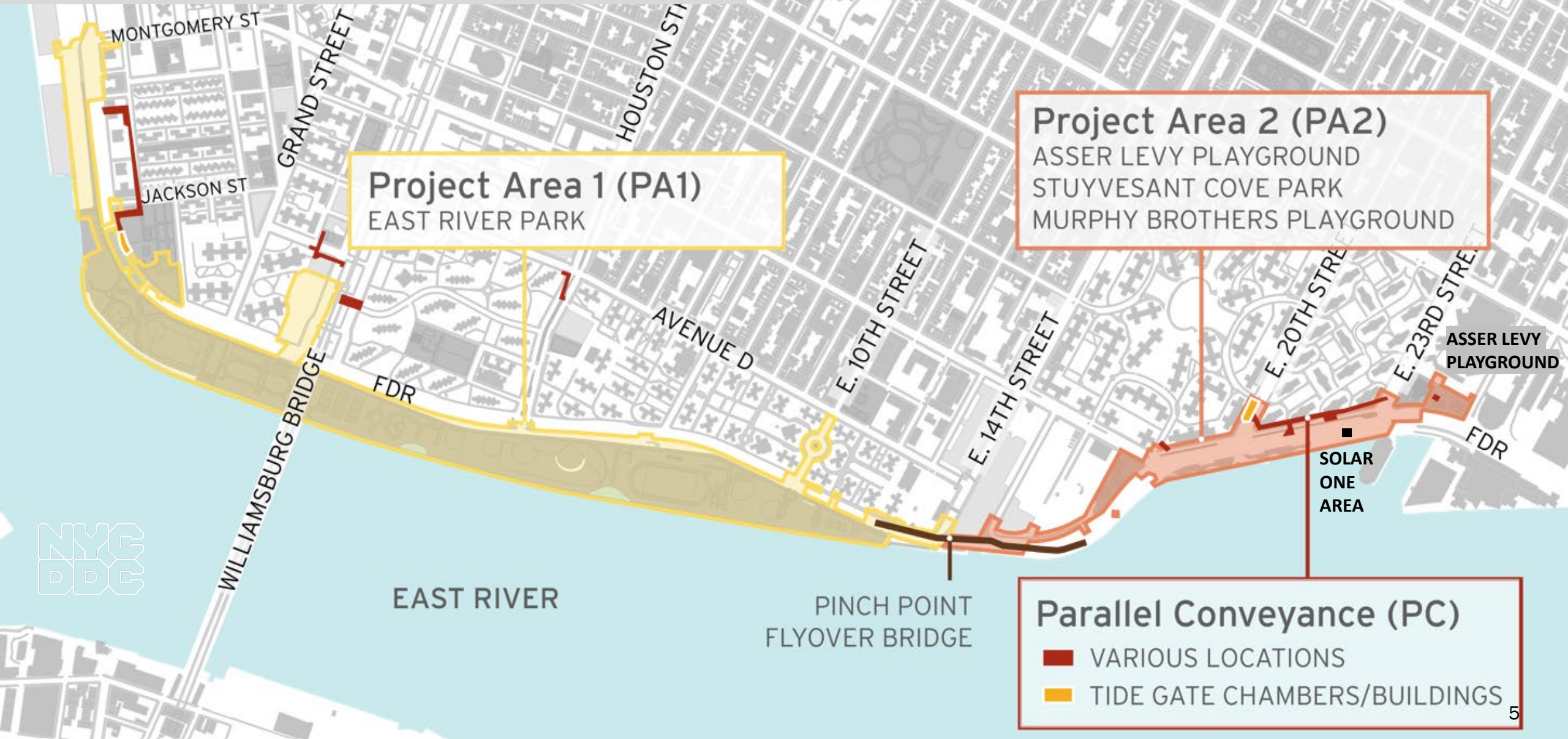
[Register Here](#)

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# Overview of Contracts & Construction Updates



# PROJECT AREA OVERVIEW



# Overview of Contracts

## Project Area 1 (PA1)

*NTP issued August 2021*

- **Partial Closures:**
  - East River Park south of E. Houston St.
  - Greenway closure to E. 10<sup>th</sup> St.
  - Corlears Hook Park
  - Delancey St. & Corlears Hook ped bridges removed. Use Corlears Hook temporary pedestrian bridge.
- **Bridges: June 8 – scheduled FDR closure for Delancey St. ped. bridge placement.**
- **Ongoing work:**
  - ongoing utility work
  - floodwall activities ongoing as well as fill operation via barge
  - E. Houston St. retaining wall work
- **Amenities in progress:**
  - **fields 1 & 2**
  - **phase 1 esplanade**
  - **nature exploration area**

## Project Area 2 (PA2)

*NTP issued November 2020*

- **Asser Levy Playground** **Open**
- **Stuyvesant Cove Park** **Open**
  - park closed around Solar One
- **Murphy Brothers** under construction
- over **3,000** ft of floodwall installed
- **All Gates 7-18 installed**

### **VISIT PA1 GALLERY:**

<https://www.nyc.gov/site/escr/project-updates/pa1-gallery.page>

### **VISIT PA2 GALLERY:**

<https://www.nyc.gov/site/escr/project-updates/pa2-gallery.page>

### **VISIT PC GALLERY:**

<https://www.nyc.gov/site/escr/project-updates/pc-gallery.page>

## Parallel Conveyance (PC)

*NTP issued September 2022*

- **Corlears Hook Park and Water St.**
  - prep work for south interceptor gate chamber
  - utility relocations
  - to begin sewer work
  - Sidewalk & Trench restoration (South St.)
- **Houston and Delancey Streets**
  - utility relocations and test pits in progress
- **Avenue C (E. 18 - E. 23) locations**
  - Upcoming water main/hydrant relocation (under FDR)



# Project Area 2

## Stuyvesant Cove Park

- Area #1 – **OPEN!**
  - North entrance at E 23 St **closed** for EDC Solar One construction work.
  - Greenway remains open.
- Area #2 – **OPEN!**
- Greenway connecting to East River Park is **OPEN!**





# PA2 | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Gate 7 – March 2024



Gate 8 – March 2024

Over 3,000 ft of floodwall  
& Gates 7-18 installed!



# Project Area 1



Delancey Street pedestrian  
bridge progress!  
May 2024

# PA1 | 2024 Construction Activities

ALL WORK IS SUBJECT TO CHANGE

1. Esplanade removal and **reconstruction** activities along the waterfront.  
Deep sewer activities/pile install and park drainage work.  
Floodwall (Combi-wall) pre-drilling and installation.  
Fill material delivery by barge and placement onsite.  
**Ballfields 1 and 2 construction; Nature exploration construction; bike path construction; Delancey Street Bridge construction**
2. Delancey Street – bridge pier, foundation, and wall construction.
3. Construction for new Corlears Hook park and bridge.
4. **Passive lawn full closure for Delancey St. bridge staging.**
5. Utility work around Montgomery Street & South Street.  
Begin floodwall construction in 2024.
6. Montgomery St. – Cherry St. Greenway floodwall activities.
7. E. Houston Street pile install. Pedestrian Detour Shift.  
Construction operations at ballfields 3, 4 & 5
8. Slip Ramps in use.
9. E 10<sup>th</sup> Street utility work and deep sewer work.  
**Beginning of micro-tunneling operations at E. 10<sup>th</sup> Street.**
10. Ongoing partial FDR lane closures continue at various locations.

Weekly Bulletins & Advisories are issued with construction activities.  
Saturday work is anticipated for some work operations as indicated.





# PA1 | Delancey Street Bridge

ALL WORK IS SUBJECT TO CHANGE



*Delancey Street pedestrian bridge abutments May 2024  
Illustrative of crane locations (not to scale)*

## Week of June 3

- Closure of FDR Service Rd South and Delancey St. EB to set crane.

## Overnight Saturday June 8 – Sunday June 9

- Full FDR closure NB and SB for installation of bridge





# PA1 | Construction Photos – Shared Use Path

ALL WORK IS SUBJECT TO CHANGE



*New bike bath located near future Parks M&O area– April 2024*





# PA1 | Construction Photos



Old esplanade piers with new footings – April 2024



Stadium light foundation – April 2024



Nature exploration area – April 2024



# PA1 | Construction Progress – Microtunneling

ALL WORK IS SUBJECT TO CHANGE

March 2024

- Extension of shared use path work zone north to 10<sup>th</sup> Street Bridge, including adjacent grass and sitting area

Why

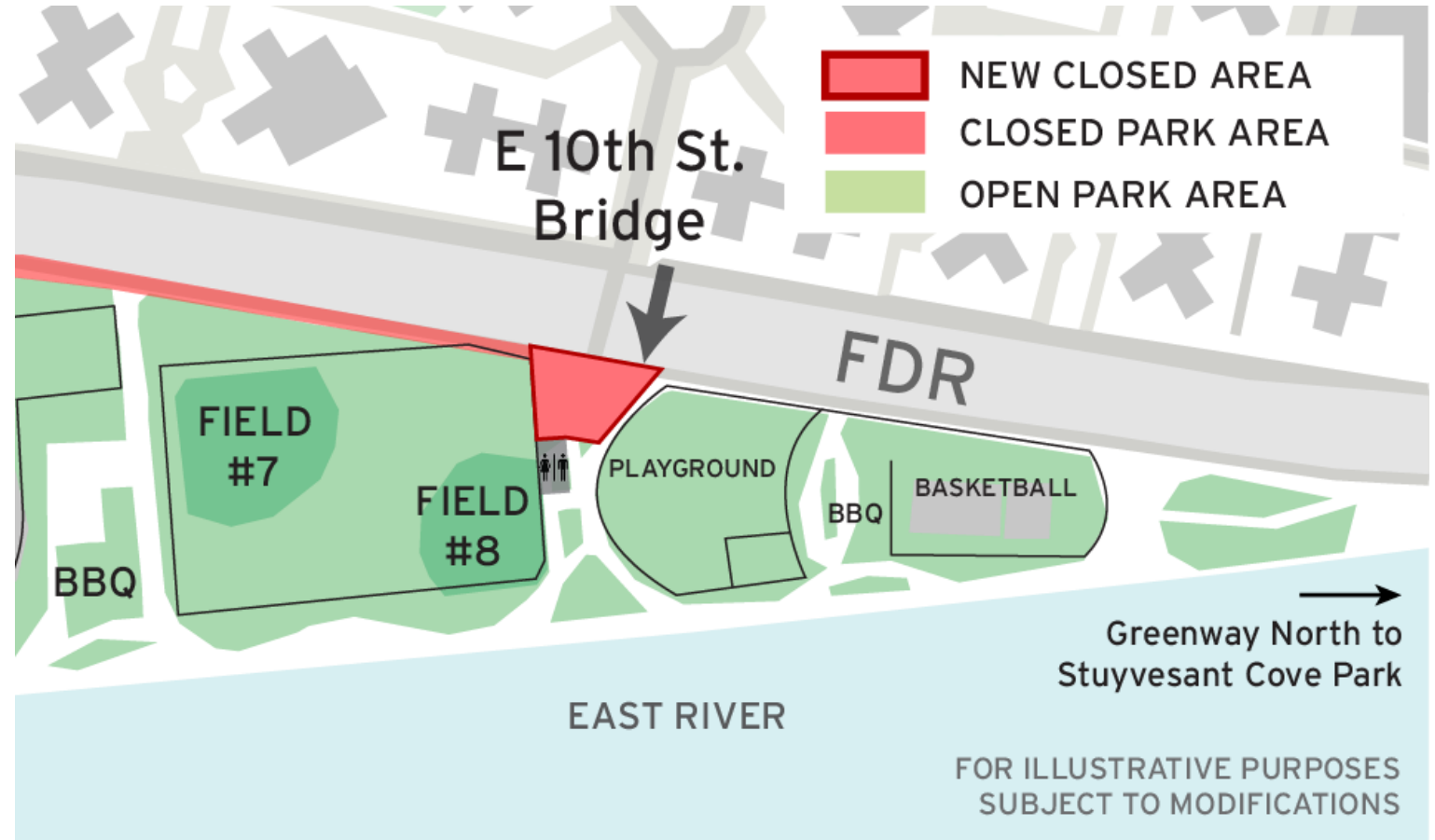
- To accommodate microtunneling operation under the FDR
- New microtunnel will house critical sewer connection between park and residential sides of FDR

Duration

- Operation is expected to take four months

Open Space Commitment

- Open space change: 42.3% to 42.1%



# PA1 | Construction Progress – Microtunneling

ALL WORK IS SUBJECT TO CHANGE

Community Advisory

EAST SIDE  
COASTAL  
RESILIENCY

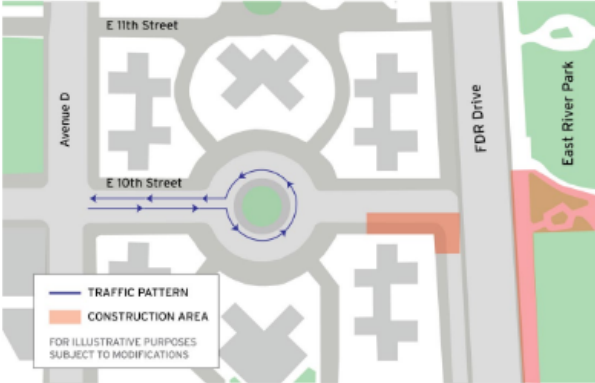
Project # SANDRESM1 | Borough: Manhattan | Date: 05/03/2024

The East Side Coastal Resiliency (ESCR) Project is an initiative to provide long-term flood protection on the east side of Manhattan.

**Daytime Road & Sidewalk Closures:  
E. 10<sup>th</sup> St. at FDR Drive Service Rd.**

**7 AM - 3:30 PM weekdays,  
and weekends as needed.  
Beginning May 13th, 2024,  
for approximately 6 months.**

Sewer work and related microtunneling activities require the full closure of East 10th Street at the FDR Service Road. During work hours the road and south sidewalk will be closed. Access will be restored at the end of each work day. Work will also limit street parking East 10th Street between FDR Drive and Avenue D. Please follow all signage and flaggers on-site to ensure safety.





*42" steel sewer pipe to be placed.*

# PA1 | What We've Heard

- **Fireboat House:** The alternatives analysis is ongoing, and the City will present to the consulting parties once completed. See [ESCR CAG Page](#) for presentation and recording from last April CAG meeting where **Julie Freeman** from the NYC Office of Management & Budget provided an overview of the Section 106 process as it related to the Fireboat House.
- **Compost:** City Hall, Parks & DDC are working with LESEC on future compost area design.
- **Phase One Openings:** Updates will be presented once DDC, PMCM, contractor, and Parks finalize a plan for access and turnover.



NEXT STEPS		
Step		Estimated Duration
Preparation of Alternatives Analysis	← We are here!	6 weeks
Present AA findings and preferred option to PA signatories and consulting parties		2-3 weeks
30-day comment period		4.5 weeks
Review comments		2 weeks
Respond to comments, schedule follow-up meeting with PA signatories and consulting parties, discuss possible mitigation options (if demolition is the preferred action)		2-3 weeks
Prepare draft Amendment to the PA*		1-2 weeks
Circulate PA Amendment for 30-day comment period*		4.5 weeks
Review/respond to comments, execute amendment*		2 weeks
*If rehabilitation & floodproofing remain preferred option, these steps will not be necessary		



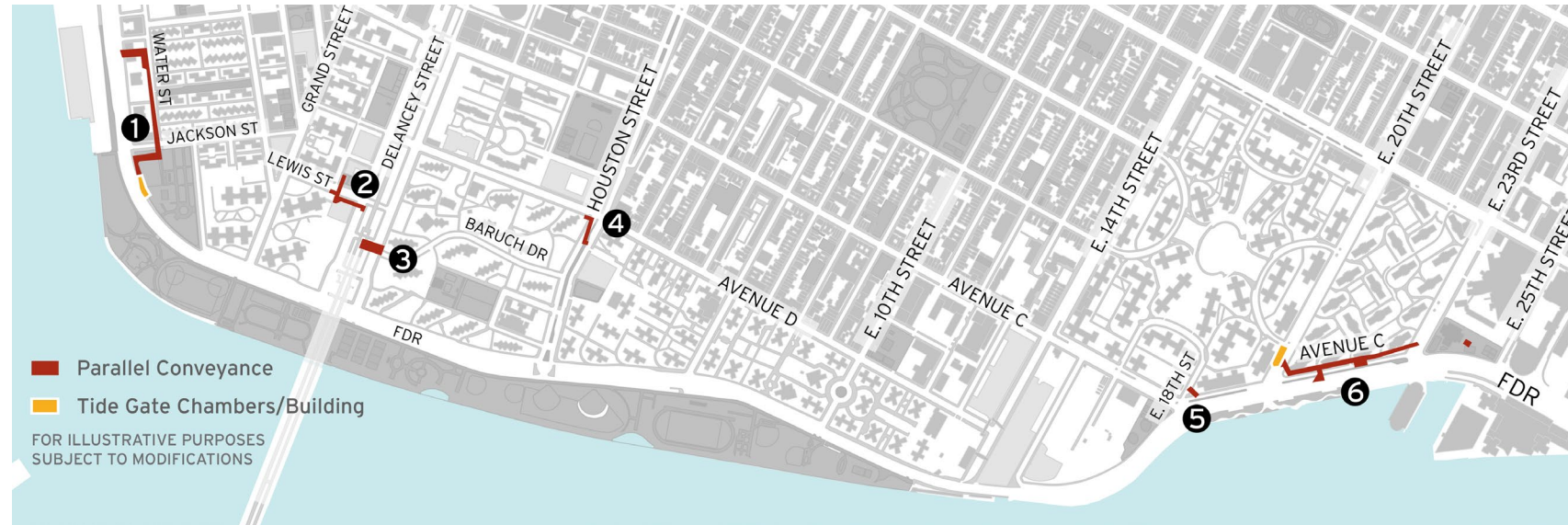
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# Parallel Conveyance

# PC | Construction Progress

ALL WORK IS SUBJECT TO CHANGE

- **Location 1 – Jackson St. & Water St. & Corlears Hook Park**
  - Utility relocation & Test Pits
  - Prep for excavation for south interceptor gate chamber
  - To begin sewer work
  - Sidewalk & Trench restoration (South St.)
  - Upcoming Water St. continuation of new 24" sewer work road closure.
- **Location 2 – Lewis St. & Delancey St.**
  - Utility relocation & Test pits
- **Location 3 – Baruch Dr. & Delancey St.**
  - Utility relocation & Test pits
  - Water main installation



## Location 4 – Houston St. & Columbia St.

Utility relocation

Bus stop intermittent closure

## Location 5 – Avenue C & E 18th

• Test pits

• ConEd steam main abatement work

## Location 6 – Avenue C, E20th to E23rd

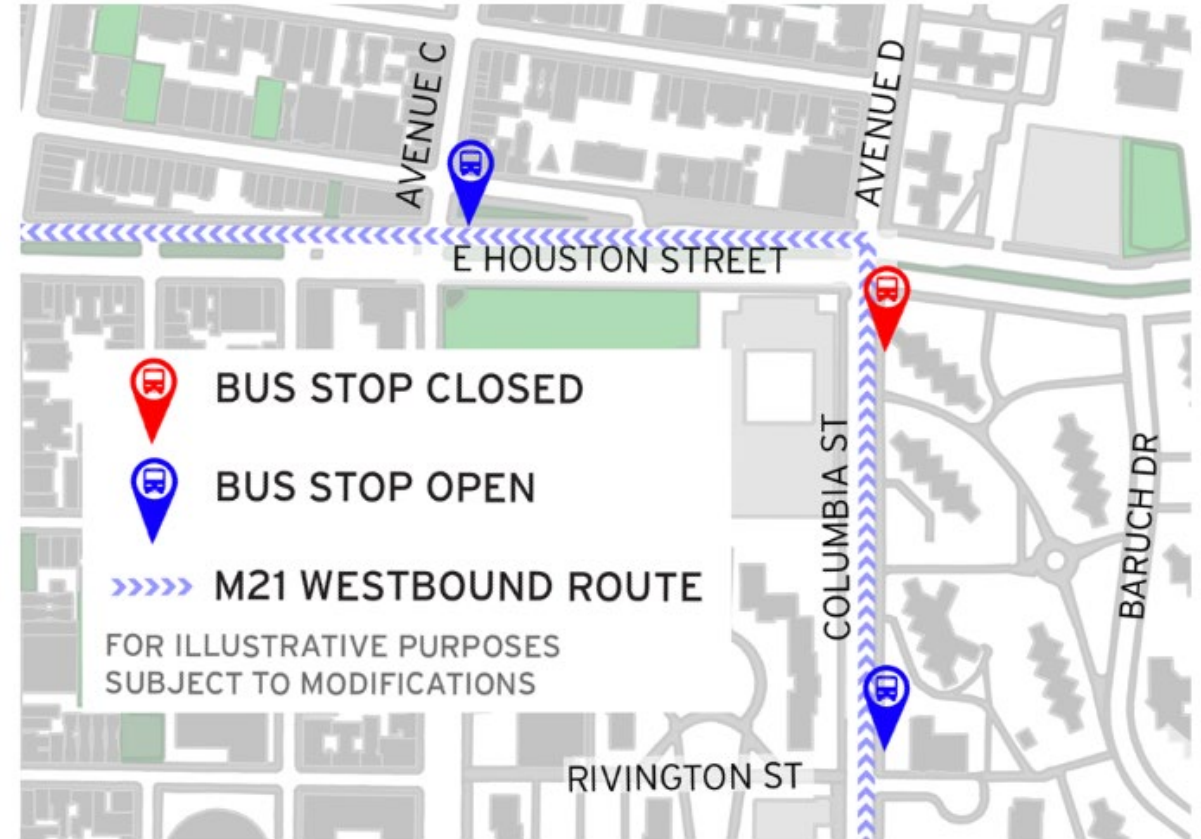
- Upcoming water main/hydrant relocation (under FDR)

# PC | M21 Bus Stop Unavailable - Intermittent

ALL WORK IS SUBJECT TO CHANGE

## M21 Crosstown to West Village Columbia St & E Houston St Bus Stop Temporarily Unavailable

- Starting on Monday, April 22nd, 2024, the north/westbound M21 bus stop on E. Columbia St. near E Houston St. will be temporarily unavailable
- Continue for approximately 4 weeks
- The bus will continue via regular route.
- Please follow all posted signs and use nearby stops at:
  - Columbia St. / Rivington St. OR
  - E. Houston St. / Avenue C.





# PC | Corlears Hook Park Construction Activities

ALL WORK IS SUBJECT TO CHANGE

## ONGOING WORK

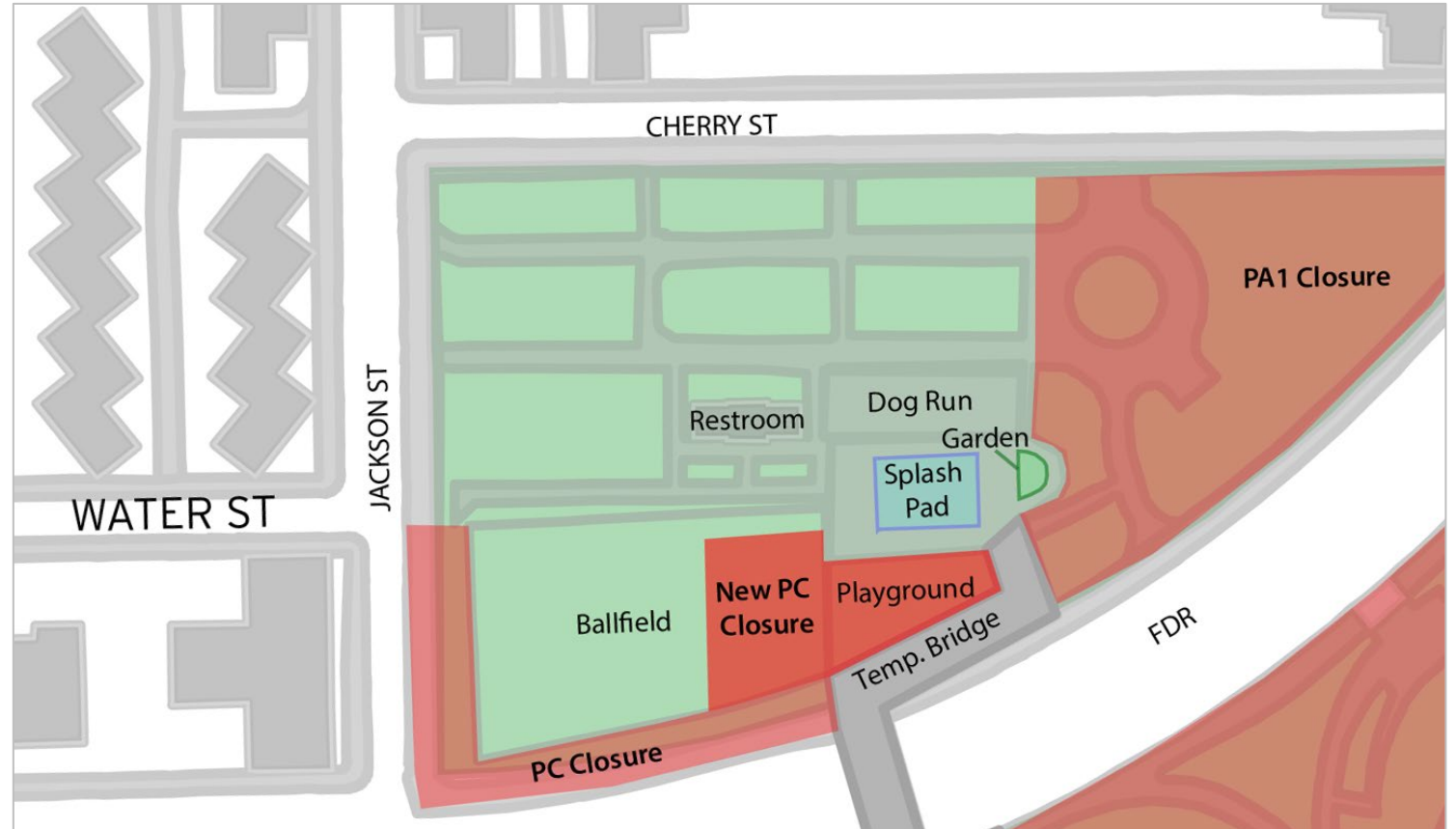
- ✓ Test Pits
- ✓ Utility work
- ✓ Staging for excavation

## 2024

- Excavation for and installation of interceptor gate chamber
  - Night work required to accommodate FDR Dr. lane closures

## 2025

- Construction of Interceptor Gate Building
- Restoration and return of full ballfield



PC construction area in Corlears Hook Park.  
For illustrative purposes only.

# PC | Corlears Hook Park Construction Activities

ALL WORK IS SUBJECT TO CHANGE

## PC | Excavation for Interceptor Gate Building

ALL WORK IS SUBJECT TO CHANGE

### Interceptor Sewer

- The interceptor sewer is 9' wide sewer that carries wastewater and stormwater to the Manhattan pump station which sends combined sewage to the Newton Creek Wastewater Treatment Plant.

### Interceptor Gate Chamber

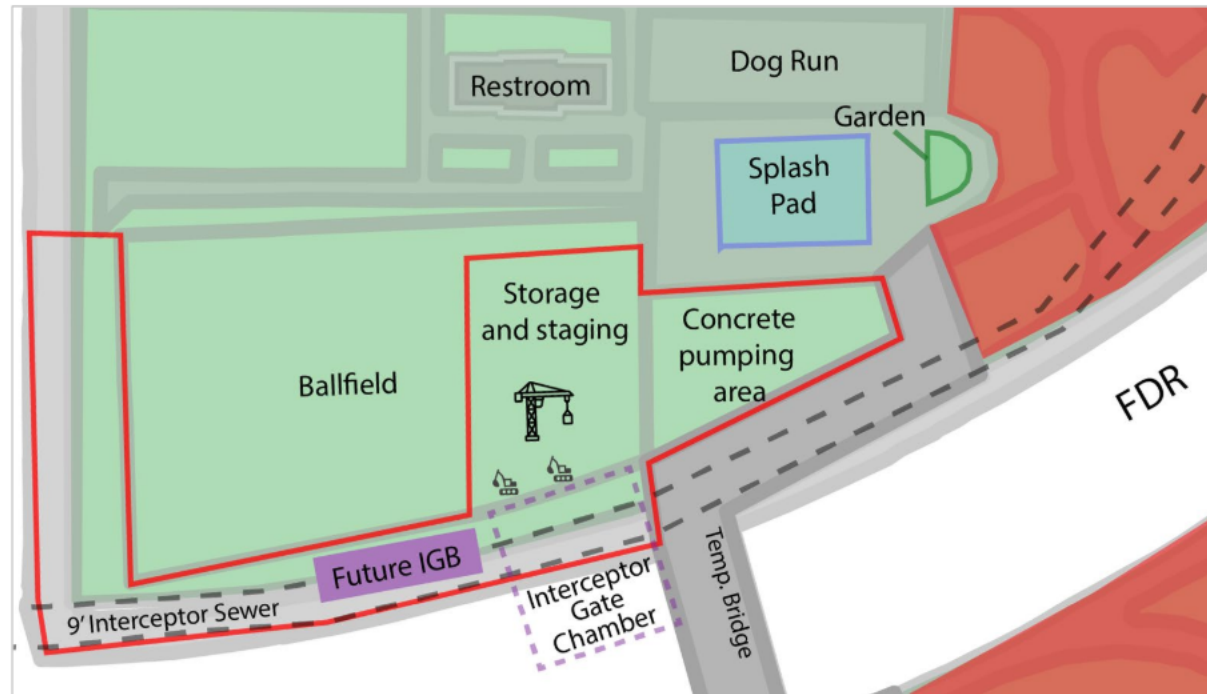
- Massive chamber that houses and provides access to the interceptor gate and sewer.

### Interceptor Gate Chamber Building (IGB)

- Future building that will house controls for the interceptor gate chamber.

### Construction Space Requirements

- A crane and multiple excavators are necessary to excavate for and construct the interceptor gate chamber due to the depth of interceptor sewer and the chamber's size
- Eventually, the operation will also impact southbound FDR Dr.



*Proposed closures to facilitate interceptor gate chamber construction.  
For illustrative purposes only.*



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# PC | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



*Installation of Con Ed manhole casting Lewis - April 2024*



# PC | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Installation of Con Ed manhole casting Lewis - April 2024



Streetlight conduit installation Delancey and Baruch Dr - April 2024



Steam main abatement Columbia St. - April 2024





The East Side Coastal Resiliency (ESCR) Project is a coastal protection initiative, jointly funded by the City of New York and the federal government, aimed at reducing flood risk due to coastal storms and sea level rise on Manhattan's East Side from East 25th Street to Montgomery Street. The boundaries of this project correspond with the natural "pinch-points" in the 100-year floodplain: areas where the land is higher along the coastline, making it easier to close the system off from water entering from the north and south. The project design integrates flood protection into the community fabric, improving waterfront open spaces and access, rather than walling off the neighborhood. Construction on the East Side Coastal Resiliency project will begin in Fall 2020 and continue through 2025.

## Project Design

From flood protection measures to bike lanes and ball fields, the ESCR project is improving open spaces and access in the Lower East Side while strengthening the city's coastline.



# Brooklyn Bridge-Montgomery Coastal Resilience Construction Update

CB3 Parks Committee Meeting  
BRC Senior Services Center  
30 Delancey Street  
May 16, 2024



# Highlights

- Project Status
- Construction Photos
- Greenway Detour



# BMCR | Project Status

ALL WORK IS SUBJECT TO CHANGE

1. Interceptor Gate Building Foundation  
Floodwall construction  
Extension of work zone, parking not permitted at the triangle
2. Utility work in South St, Market Slip to Pike Slip
3. Utility work in South St, Pike Slip to Montgomery St  
Water main installation, Clinton to Montgomery
4. Floodwall foundation construction  
Micro pile installation  
Jet grout seepage barrier
5. Floodwall foundation excavation
6. **Pedestrian entrance to Pier 35 closed from South Street** Utility work  
Excavation for floodwall construction



Weekly Bulletins & Advisories are issued with construction activities.  
Saturday work and off-hour shifts are anticipated for some work operations.

# BMCR | Project Status

ALL WORK IS SUBJECT TO CHANGE



No Parking around/on the triangle at Robert F. Wagner Sr. Place and South Street Starting May 1, 2024



## Upcoming Activities

- Continued floodwall foundation micropiles and jet grouting.
- Floodwall pile cap wall concrete placement at Robert F. Wagner Sr. Place and esplanade
- Parallel Conveyance sewer pipe & interceptor chamber in South Street, including micropiles
- Delivery of first flip-gate (early June)

## Coordination

- ESCR—PC and PA1 Construction, Utility Work Coordination
- Ongoing coordination with DOT to maintain safe, greenway access
- NYC EDC Brooklyn Bridge Esplanade Project, Dover St. to Catherine Slip
- +Pool



# BMCR | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



*Flip Up Gate fabrication at FloodBreak Fabrication Plant, TX – April 2024*

# BMCR | Greenway Bike Detour

ALL WORK IS SUBJECT TO CHANGE





