

# East Side Coastal Resiliency Construction Update

CB3 Parks Committee Meeting  
BRC Senior Services Center  
30 Delancey Street  
July 11, 2024



Mayor's Office of  
Resiliency

# Highlights

- 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!

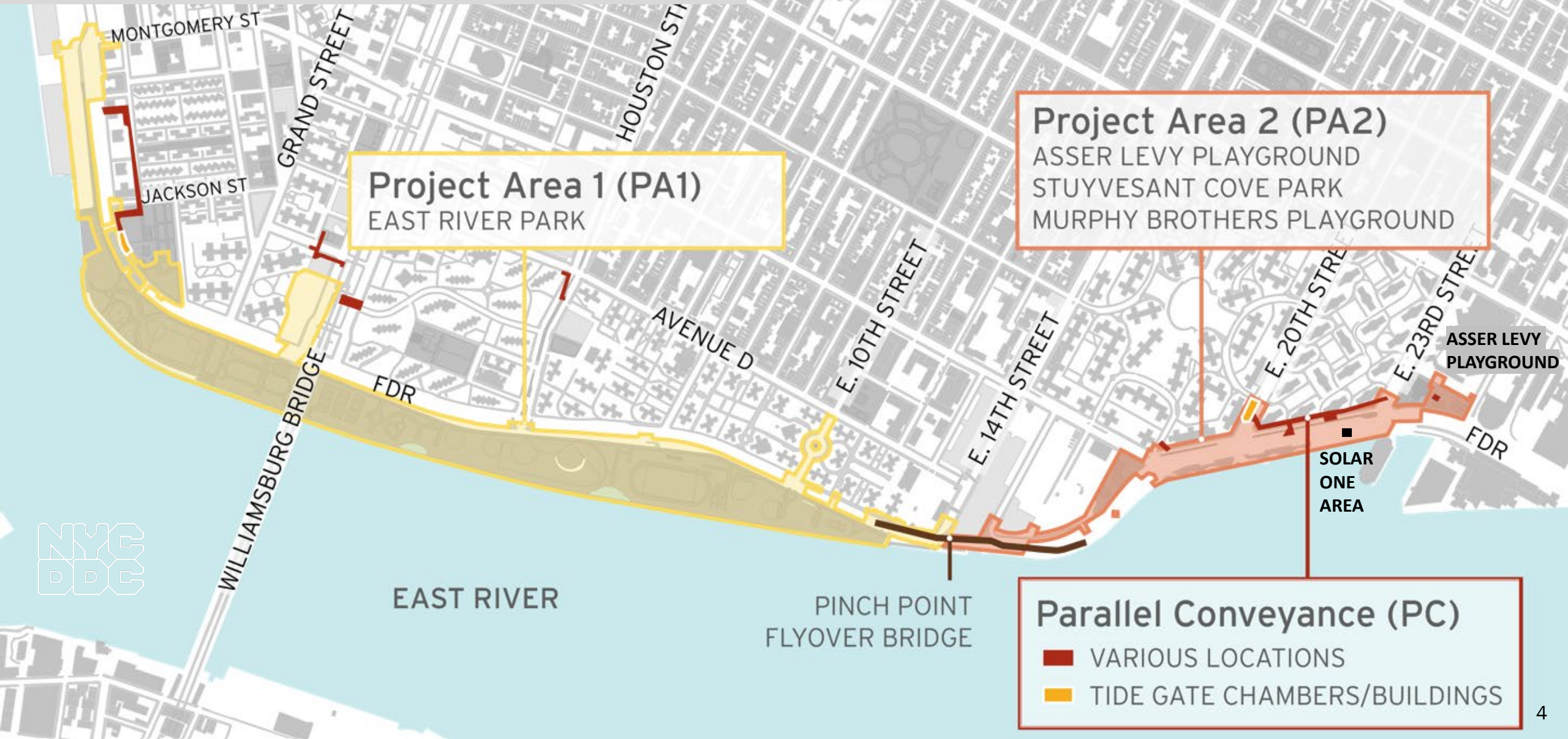
[ESCR to YOUR School](#)

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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
- **Bridges:** Corlears Hook pedestrian bridge under construction. Use Corlears Hook temp. ped bridge. Delancey St. bridge installed.
- **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 & amphitheater

## Project Area 2 (PA2)

*NTP issued November 2020*

- Asser Levy Playground **Open**
- Stuyvesant Cove Park **Open**
  - park closed around Solar One for EDC project (not ESCR)
- Murphy Brothers under construction
- All 3,129 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 interceptor gate chamber and building construction
  - utility relocations in progress
  - to begin sewer work
- **Houston and Delancey Streets**
  - utility relocations in progress
- **Avenue C (E. 18 - E. 23) locations**
  - no work this month

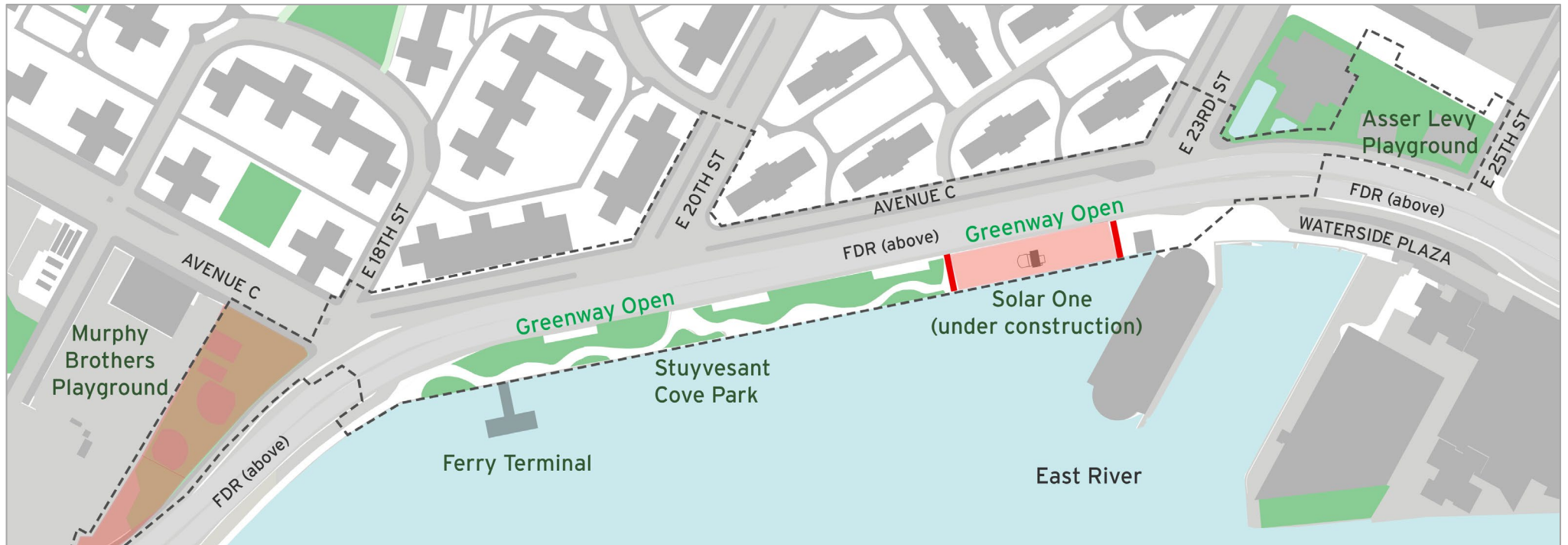
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# Project Area 2

# PA2 | 2024 Construction Status

ALL WORK IS SUBJECT TO CHANGE

- Asser Levy Playground – **OPEN!**
- Stuyvesant Cove Park – **OPEN!** North entrance at E 23 St **closed** for EDC Solar One construction work.
- Murphy Brothers Playground - set to open in October 2024.
- Greenway - **OPEN!**





# PA2 | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



*Drilling for western dugout in Tee Ball Field – July 2024*



*Installing fence at Small Dog Run – July 2024*

All floodwalls & floodgates installed!



*Swing gate testing – July 2024*

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# Project Area 1



# 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, nature exploration, **amphitheater, and bike path construction.**
2. **Delancey Street bridge installed.**
3. Construction for new Corlears Hook bridge.
4. Passive lawn full closure for esplanade work and pedestrian bridge staging.
5. Utility work around Montgomery Street & South Street.  
Floodwall construction activities.
6. Montgomery St. – Cherry St. Greenway floodwall activities.
7. E. Houston Street pile install. Pedestrian Detour Shift.  
Ballfields 3, 4 & 5 deep sewer, drainage, fill and floodwall activities.
8. Slip Ramps in use.
9. E 10<sup>th</sup> Street utility work and deep sewer work.  
**Preparation for microtunneling 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.

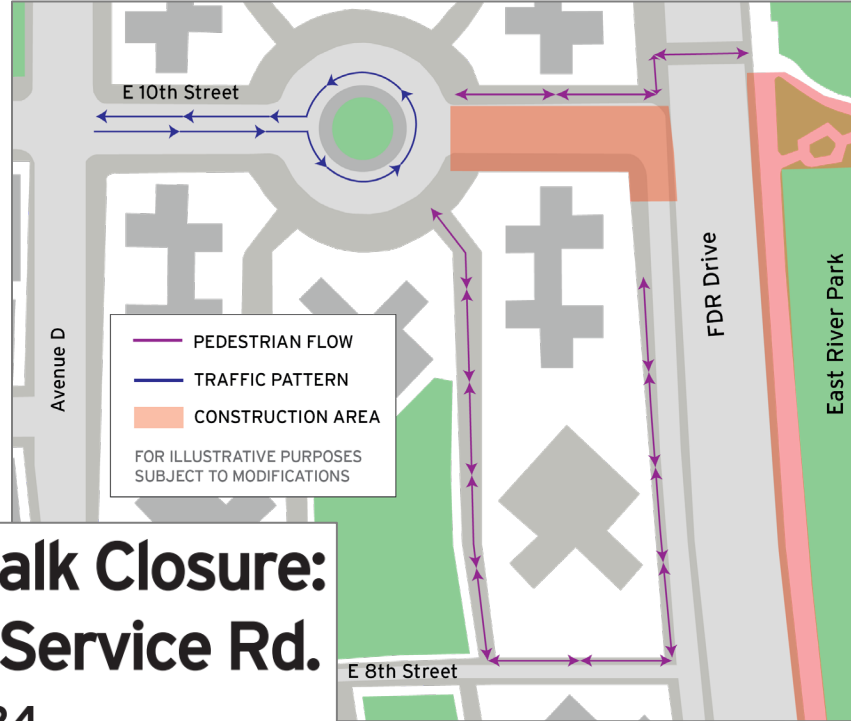


INDICATES  
EVENING WORK  
SHIFTS



# PA1 | Construction Progress – Microtunneling

ALL WORK IS SUBJECT TO CHANGE



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

Restarting Monday, July 15, 2024,  
ongoing for 6 months from 7:00 AM - 3:30 PM

Microtunneling work will 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. This operation will also limit street parking on 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.

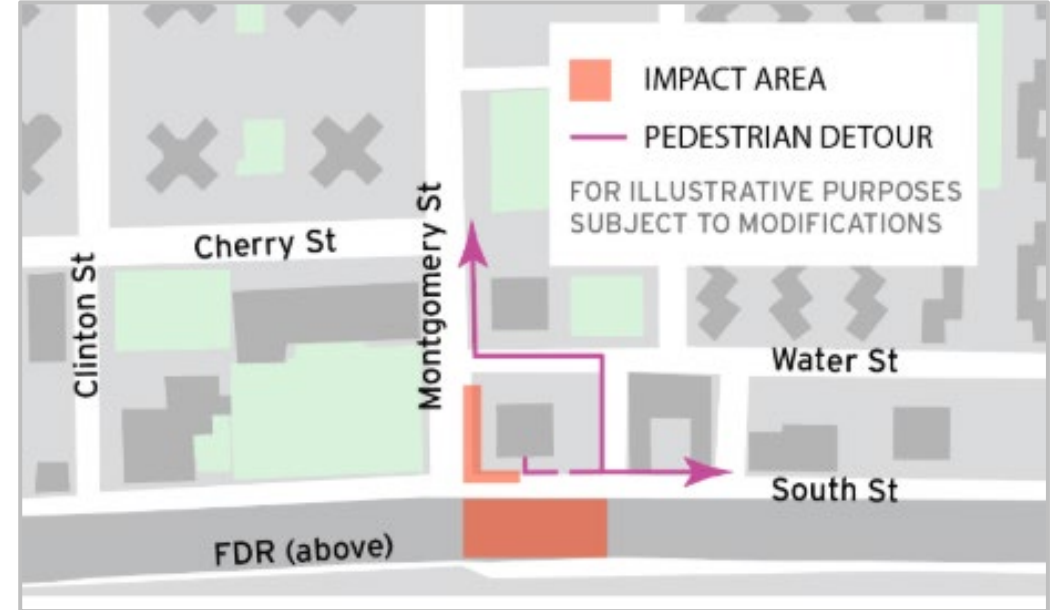
# PA1 | Floodwall Operations at Montgomery St.

ALL WORK IS SUBJECT TO CHANGE

## Floodwall Operations Resume at Montgomery Street and South Street

Beginning June 1<sup>st</sup>, 2024,  
Ongoing for about six months

Floodwall operations will resume at Montgomery Street and South Street, and will extend towards Water Street. This operation will necessitate a sidewalk closure along Montgomery St, between Water Street and South Street and a partial sidewalk closure on South Street at the corner of Montgomery St. (Building access will remain on South St.) Vehicle lane width reductions will occur on South St. and Montgomery Street. Please follow all signs and directions placed on-site to ensure safety.



- a. **Vehicles:** Parking lane along Montgomery and then one lane on South Street – alternating left/right lane.
- b. **Pedestrians:** Sidewalks open for near term, however, will close as work continues.
- c. **Work hours:** Monday through Friday, from 8:00am-5:00 pm & Saturdays from 9:00am. to 5:00pm.
- d. Vibration settlement monitoring.
- e. **Ongoing coordination** as construction progresses.



# PA1 | Delancey Street Bridge Installation



*Delancey Pedestrian Bridge on SPMT transporters at installation location just south of the Williamsburg Bridge – June 2024*



*Delancey Pedestrian Bridge in place after full overnight FDR lane closure – June 2024*



# PA1 | Delancey Street Bridge Installation



*Delancey Pedestrian Bridge construction – June 2024*



*Delancey Street Pedestrian Bridge Rendering  
(looking southeast)*



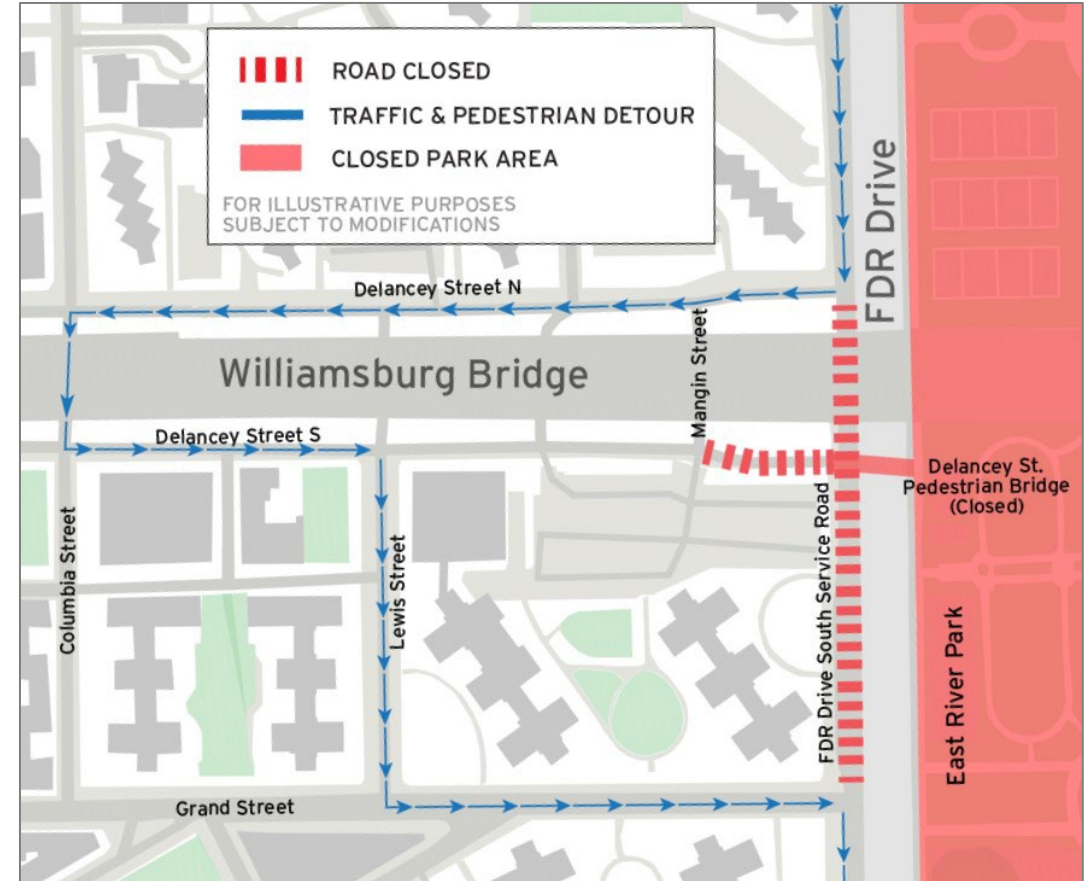
# PA1 | Delancey Street Bridge Concrete Deck Pour

ALL WORK IS SUBJECT TO CHANGE

## Overnight Partial Closure of FDR Drive South Service Road and Sidewalk at Delancey Street

**Saturday, July 20th, 2024, 10 PM until 7AM**

The FDR Drive South Service Road and sidewalk at Delancey Street, south to Grand Street will require an overnight closure for Delancey Street Pedestrian Bridge construction activities. Noise and air quality monitors are in place. Please follow detour and all signage on-site to ensure safety.





# PA1 | Construction Photos – Tide Gate & Sluice Walls

ALL WORK IS SUBJECT TO CHANGE

- Storage capacity inside the system to prevent excess water from going into river all at once.
- Water goes in and out of system's chambers through sluice walls.
- Tide gates can be open and closed, preventing river from flowing into system during extreme high tide or rain event or allowing water into river during low tide.



*Sluice gates and tide gate regulator chambers – June 2024*

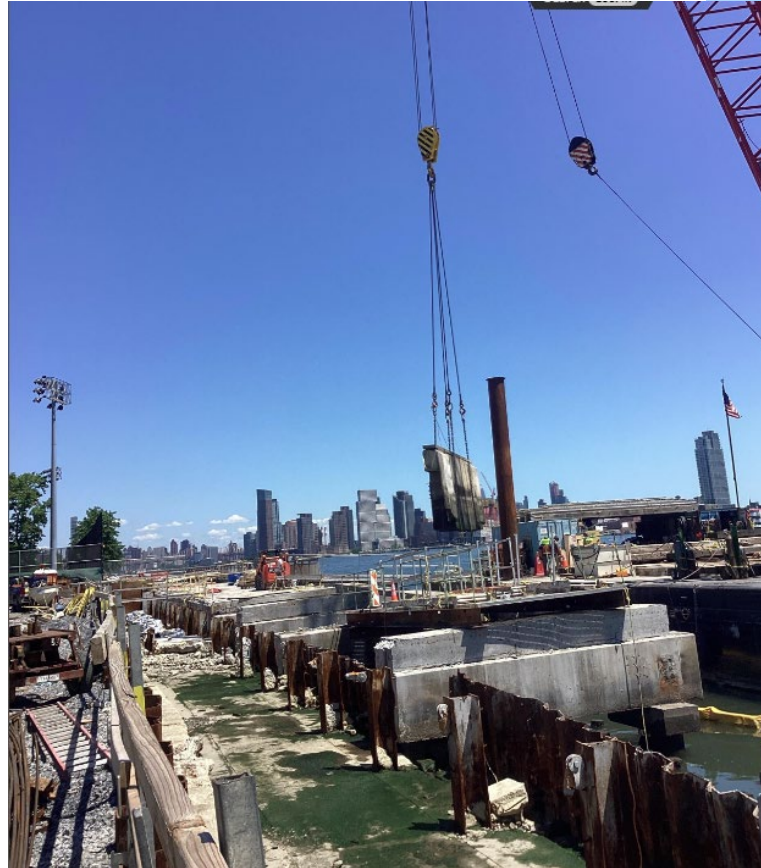


# PA1 | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Installation of anchor bolts and plates on the esplanade  
– June 2024

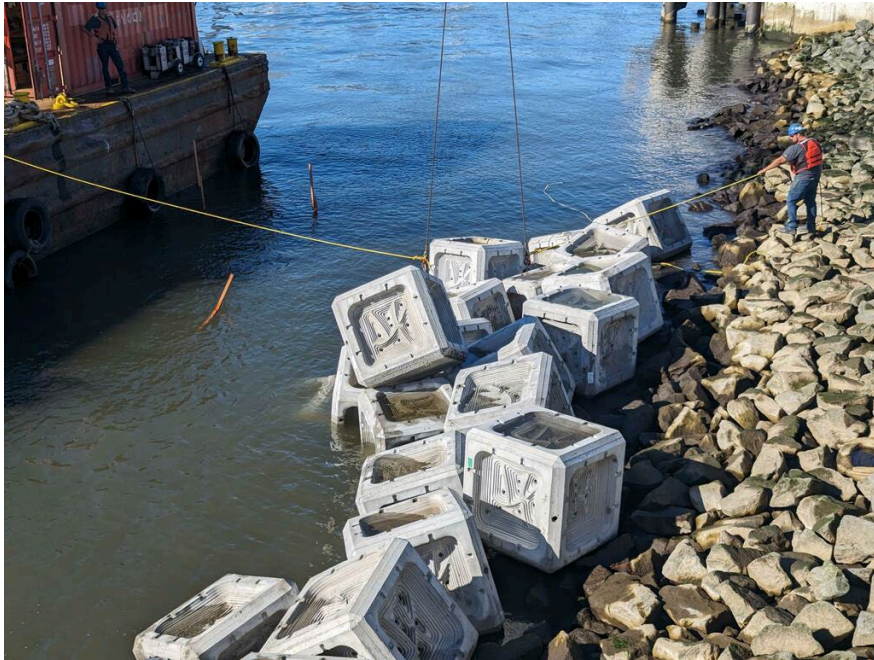


Demolition of existing esplanade near Ballfields 3, 4, 5  
– July 2024

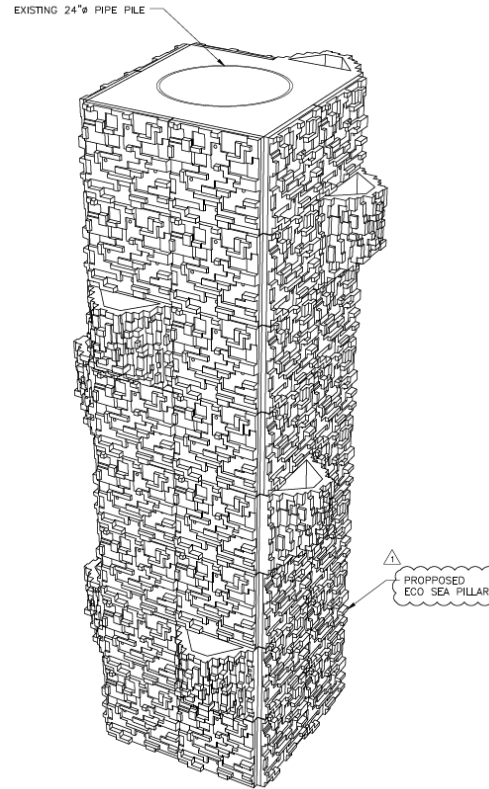


# PA1 | Construction Photos – ECO Blocks & Sea Pillars

ALL WORK IS SUBJECT TO CHANGE



ECO Armor Block installation at South Esplanade – June 2024



3D Sea Pillar illustration



Installation of sea pillars on existing esplanade pipe piles – June 2024



# PA1 | Phase 1 Openings Through 2024

ALL WORK IS SUBJECT TO CHANGE

## Ballfields 1 and 2

- Scheduled to open September 2024
- Open dawn to dusk
- Water & electric will not be available
- Security: ballfields and Delancey St. bridge to be locked at dusk
- Parks responsible for permitting



# PA1 | What We've Heard

- **Fireboat House:** The alternatives analysis is ongoing. Next step: The City will present to the consulting parties.
- **Ballfield 7:** Design change to softball field in progress.
- **Compost:** City Hall, Parks & DDC are working with LESEC on future compost area design.



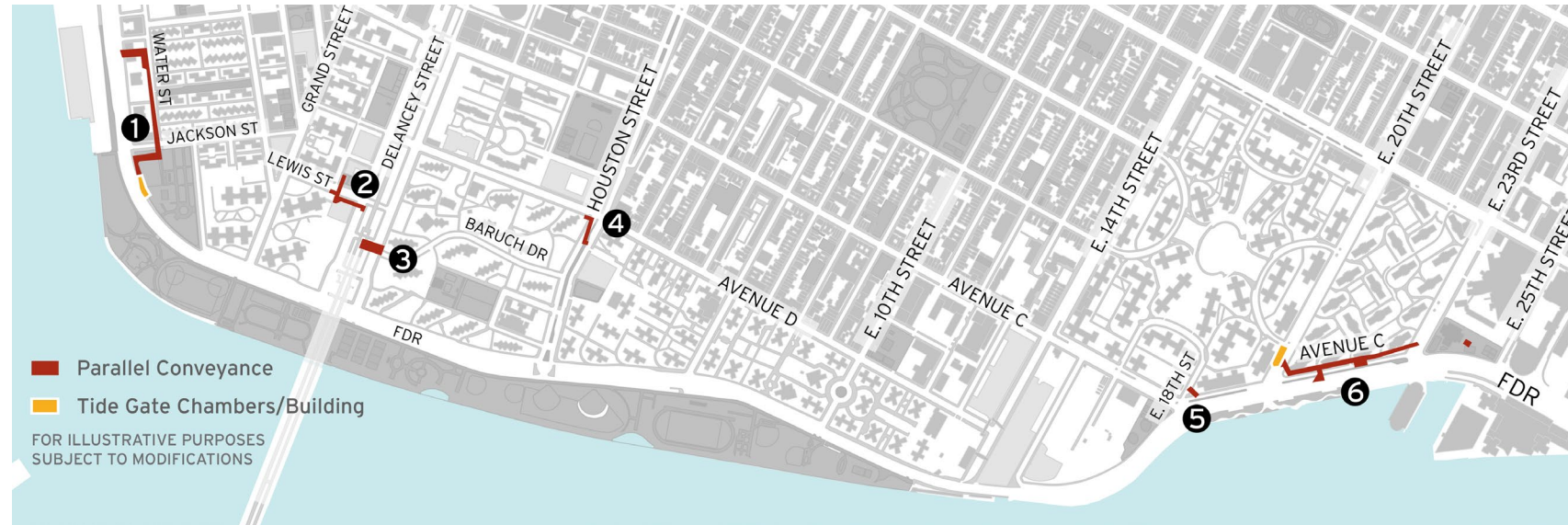
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# Parallel Conveyance

# 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
  - Closure of Water Street from Gouverneur Slip E to Jackson St. for continuation of new 24" sewer work.
- **Location 2 – Lewis St. & Delancey St.**
  - Utility relocation
- **Location 3 – Baruch Dr. & Delancey St.**
  - Utility relocation
  - Water main installation



- **Location 4 – Houston St. & Columbia St.**
  - Utility relocation
  - Columbia St. bus stop intermittent closure on hold
  - Upcoming E Houston St. bus stop relocation
- **Location 5 – Avenue C & E 18th**
  - No work this month
- **Location 6 – Avenue C, E 20th to E 23rd**
  - No work this month

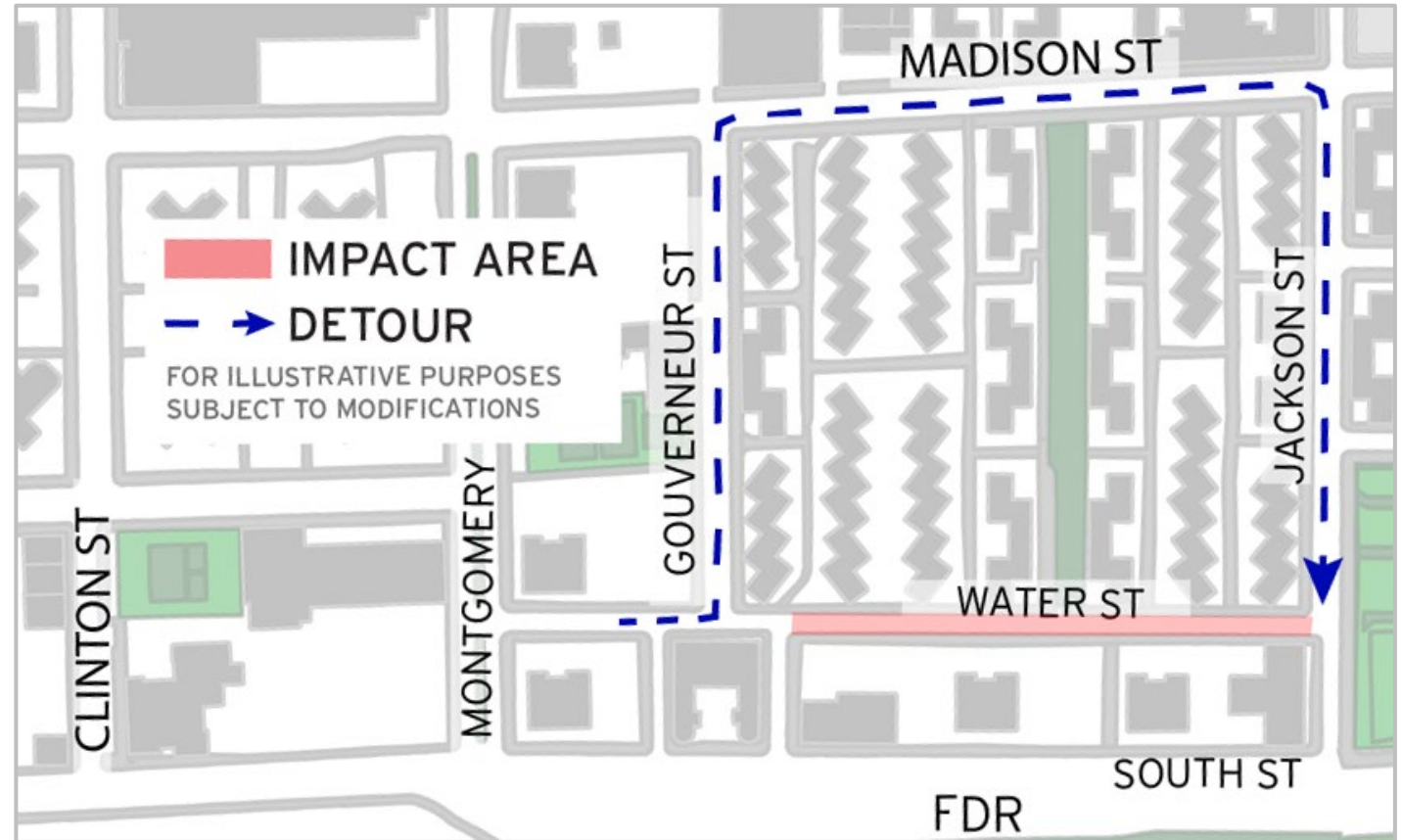
# PC | Water Street Closure

ALL WORK IS SUBJECT TO CHANGE

## Water Street closure between Gouverneur Slip East and Jackson Street

Ongoing for 3-4 months

- Typical work hours 7:00am – 6:00pm
- Full roadway closure to vehicles 24hrs/day  
(No Parking)
- Sidewalks will remain open
- Operation scheduled for 3-4 months
  - Water St. in July
  - Gouverneur Slip E. follows
  - Water St. and Gouverneur Slip E. will not close at the same time
- Jackson St. to follow at a later date

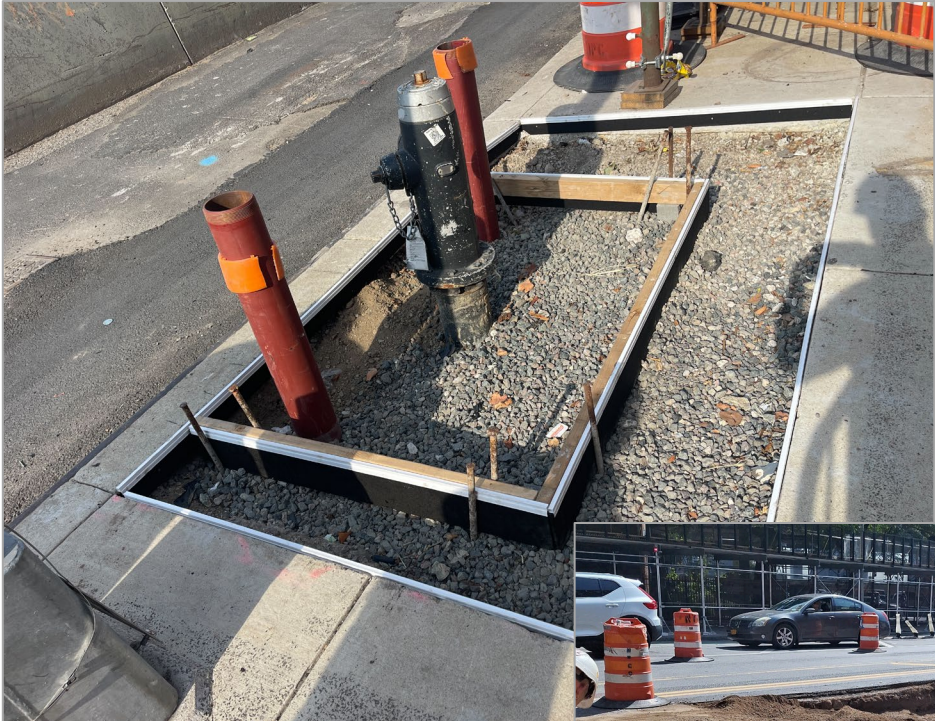


PC construction area in Corlears Hook Park.  
For illustrative purposes only.



# PC | Construction Photos

ALL WORK IS SUBJECT TO CHANGE



Hydrant flag restoration on  
South Street – June 2024



Steam main trench backfill on E 20<sup>th</sup> Street –  
June 2024



South Interceptor investigation – June 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.

