

East Side Coastal Resiliency Construction Update

CB6 Land Use & Waterfront Committee Meeting

Virtual

September 23, 2024



Mayor's Office of
Resiliency

Highlights

- Overview of Contracts
 - PA1 Construction Progress
 - PA2 Construction Progress
 - PC Construction Progress



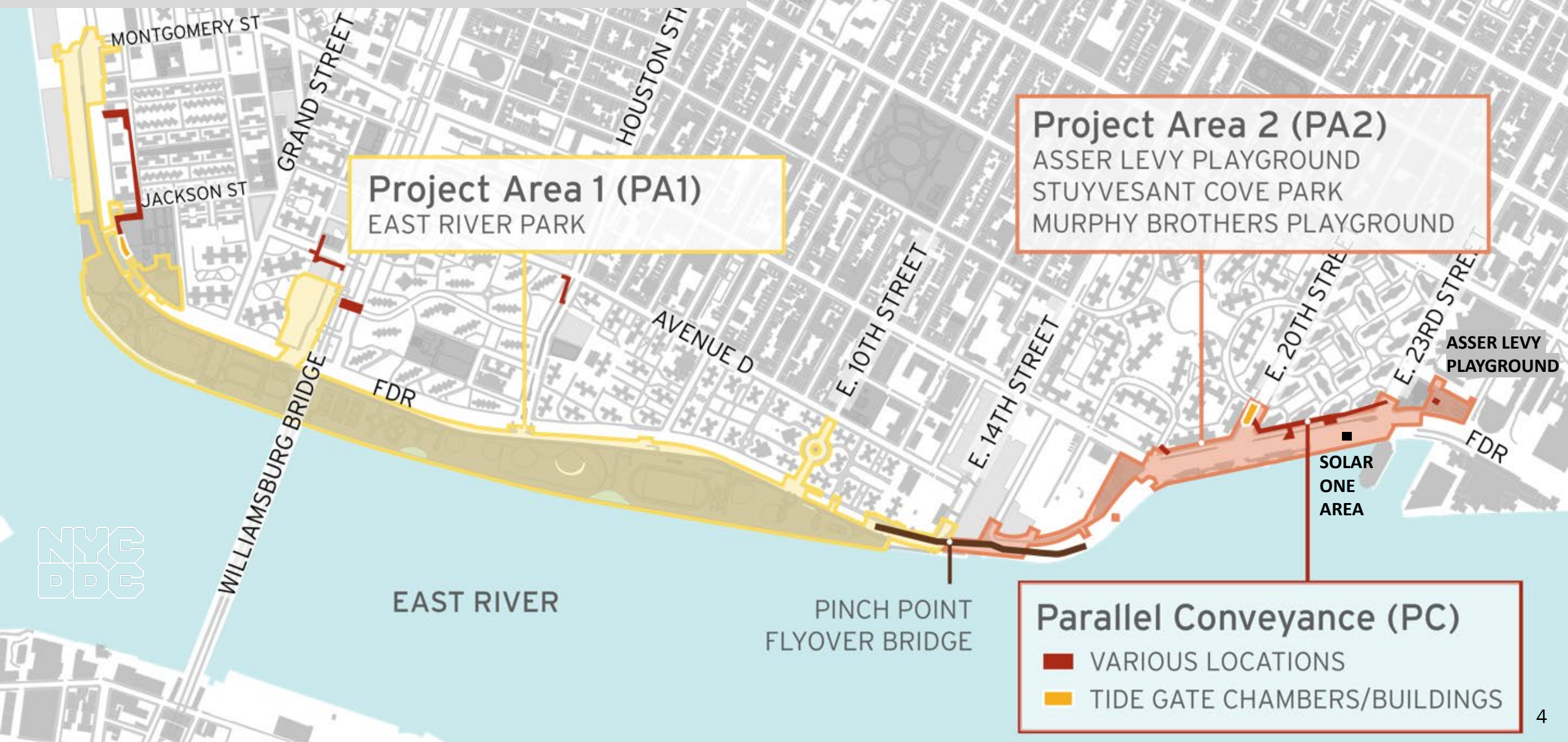
ESCR Tabling & Community Events

Reach out to project CCLs to schedule!

[ESCR to YOUR School](#)

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. 10th St.
 - Corlears Hook Park
- **Bridges:** Corlears Hook pedestrian bridge being assembled on site. Use Corlears Hook temp. ped bridge. **Delancey St. bridge Open!**
- **Ongoing work:**
 - ongoing utility work
 - floodwall activities ongoing, as well as fill operation via barge
 - E. Houston St. retaining wall work
- **Amenities in progress:**
 - **Ballfields 1 & 2 Open!**
 - phase 1 esplanade
 - Amphitheater stage & seating work, Tennis Court construction & more

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, nearing fall completion
- 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
 - sewer work
 - Water St. closed from Gouverneur Slip E. to Jackson St.
- **E. Houston and Delancey Streets**
 - utility relocations in progress
 - test piles
 - water main installation at Columbia St. and E. Houston St., and at Baruch Dr. and Delancey St. South
- **Avenue C (E. 18 - E. 23) locations**
 - test piles

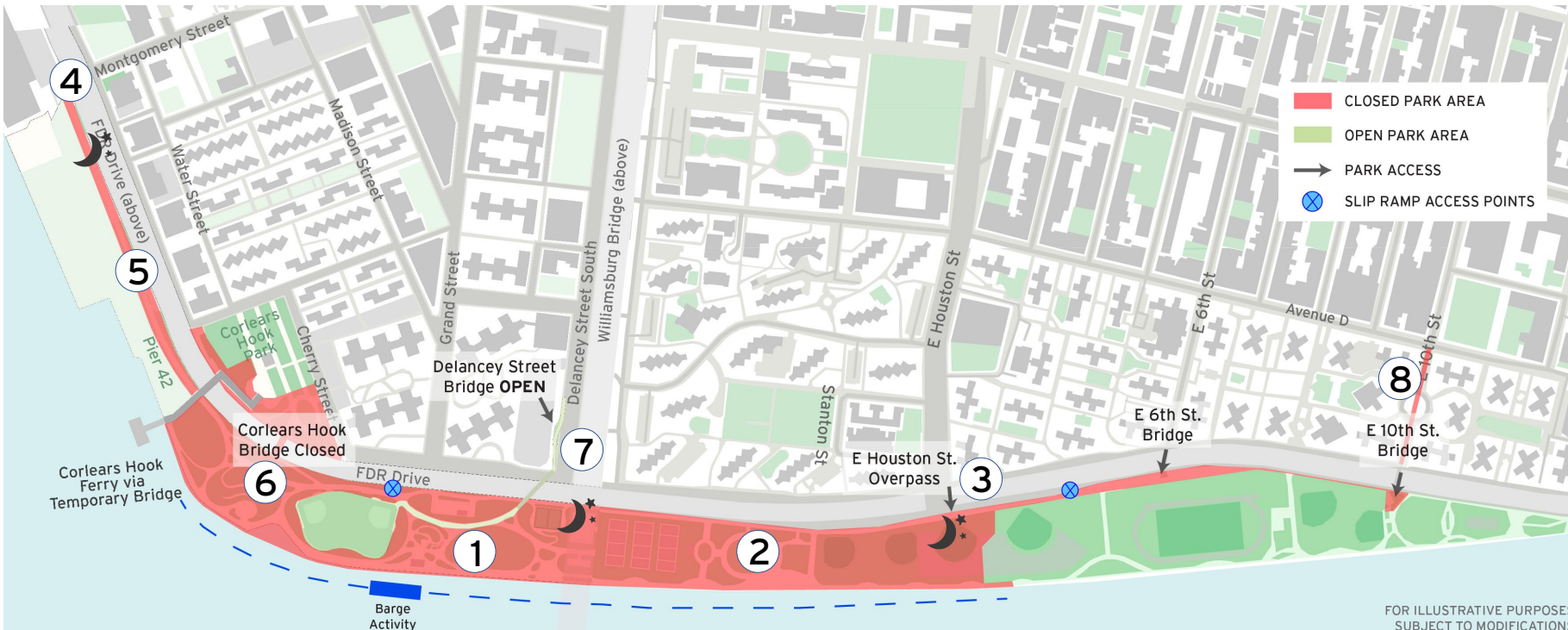
Project Area 1

PA1 | 2024 Construction Activities

ALL WORK IS SUBJECT TO CHANGE

1. Esplanade reconstruction activities along waterfront. **Paver installation to begin soon.**
Installation of park features & horticultural soil. **Ballfields 1 & 2 OPEN!**
Amphitheater foundation, stage and seating work.
Nature Exploration area, **bike path, basketball court construction.**
Floodwall and park drainage work, fill material delivery and placement.
2. **Tennis Court, Multiuse Turf construction.**
Floodwall installation, installation of rigid inclusions and wick drains.
Excavation in Ballfields 3, 4, and 5.
3. Ongoing retaining wall activities, including excavation and pile installation.
4. Micropile installation, fence installation, Con Edison work, and jet grouting.
Floodwall operations at Montgomery Street and South Street.
5. Jet grouting and utility work for floodwall.
6. Bridge abutment and wingwall installation for new Corlears Hook Bridge.
Passive Lawn full closure for **Corlears Hook Bridge assembly.**
7. Curb and sidewalk work and pier construction.
8. E 10th Street utility work and deep sewer work.
Preparation for microtunneling operations at E. 10th Street.
9. 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



FOR ILLUSTRATIVE PURPOSES
SUBJECT TO MODIFICATIONS

PA1 | Construction Photos



Ballfields 1 and 2 in southern portion of East River Park – September 2024

Mid-October
overnight installation!



Corlears Hook Pedestrian Bridge assembly – September 2024

PA1 | What We've Heard

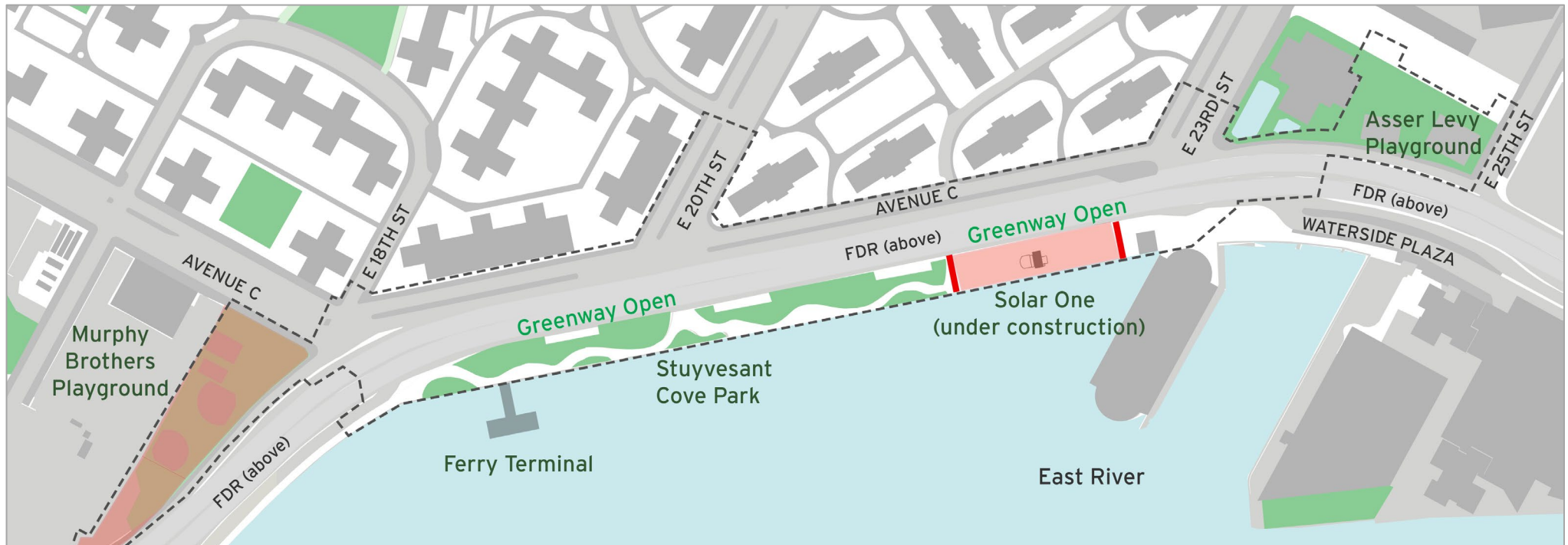
- **Future amenity openings and park closures:** in progress
- **E. 10th Street:** ongoing improvements to sidewalks and detour areas
- **Pinch Point:** expect timeline for design procurement process to be developed in months ahead
- **Floodgate operation:** to be managed by DEP Bureau of Coastal Resiliency at conclusion of project
 - Website: <https://www.nyc.gov/site/dep/environment/flood-prevention.page>

Project Area 2

PA2 | 2024 Construction Status

ALL WORK IS SUBJECT TO CHANGE

- Punch list items ongoing across project area
- 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



Play equipment at Murphy Brothers Playground – September 2024



Play equipment at Murphy Brothers Playground – September 2024

PA2 | Construction Photos



Tee ball field at Murphy Brothers Playground – September 2024



Small Dog Run at Murphy Brothers Playground – September 2024

Parallel Conveyance

PC | Overview

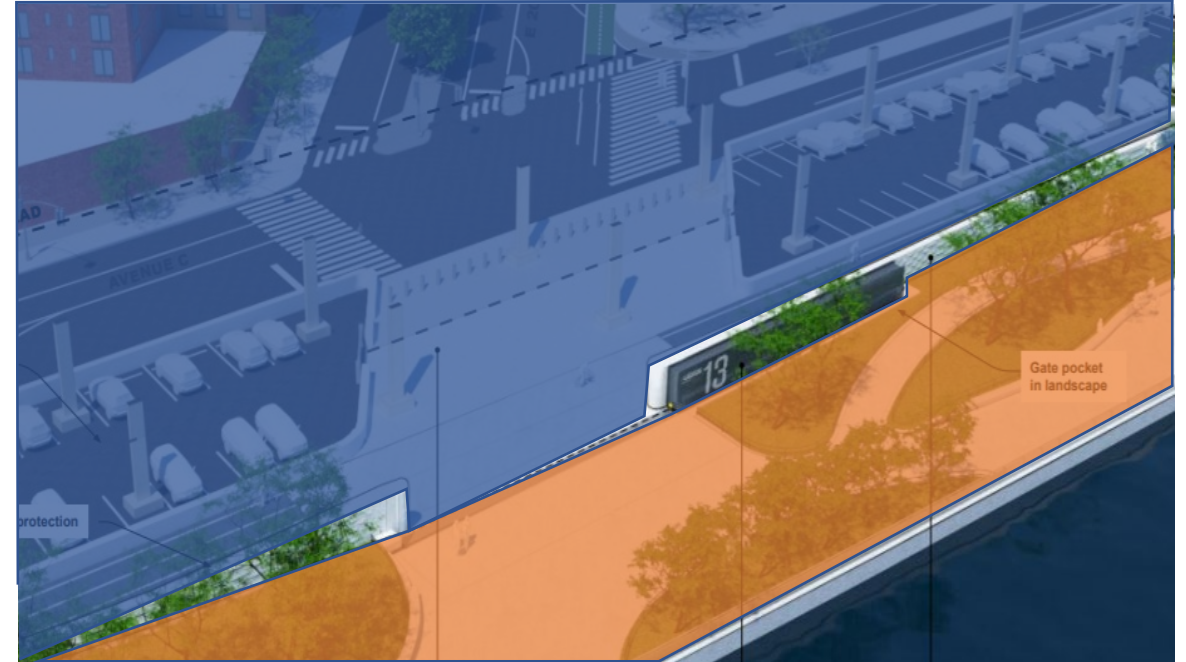
ALL WORK IS SUBJECT TO CHANGE

Scope of Work:

- Sewer Work: increase capacity of the sewer system to provide interior flood protection
- Combined Sewer Overflow (CSO) & utility work improvements
- Gate Houses: construct two interceptor gate buildings
- Improve street lighting and traffic signals within the work zone
- Interceptor Gates: Install two interceptor gate chambers

PC

Sewer upgrades will help protect the community from floods that result from **heavy rainfall** during storm events



PA1
&
PA2

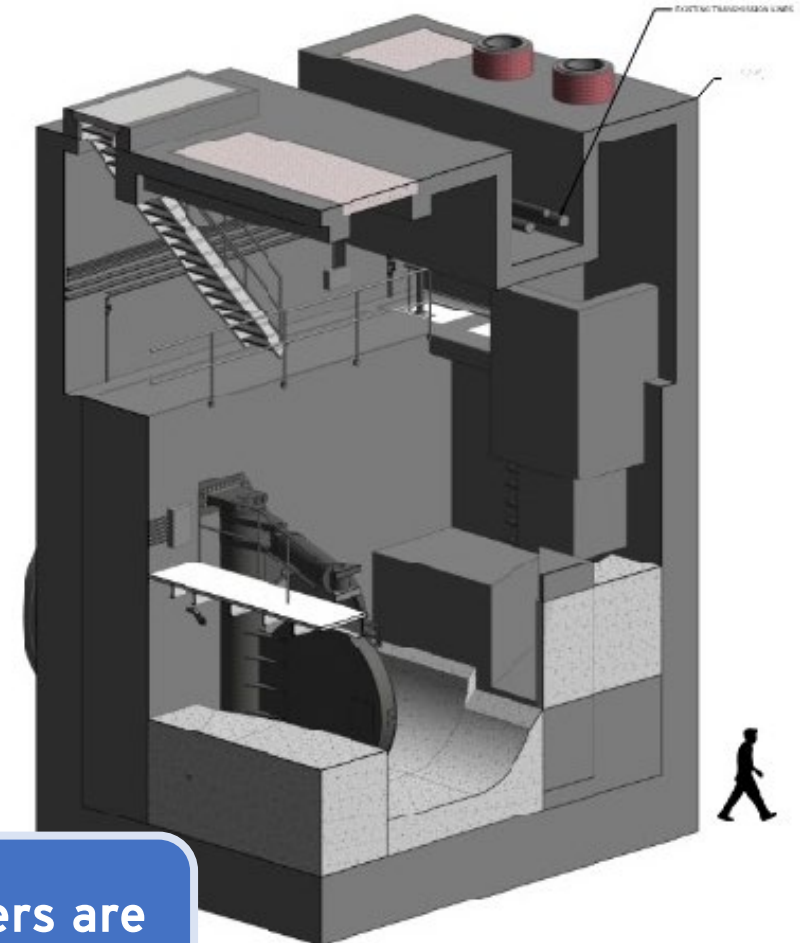
Flood protection system will help protect the community from **coastal/ tidal** flooding and saltwater

PC | Interceptor Gate

ALL WORK IS SUBJECT TO CHANGE



E. 20th Street interceptor gate building rendering



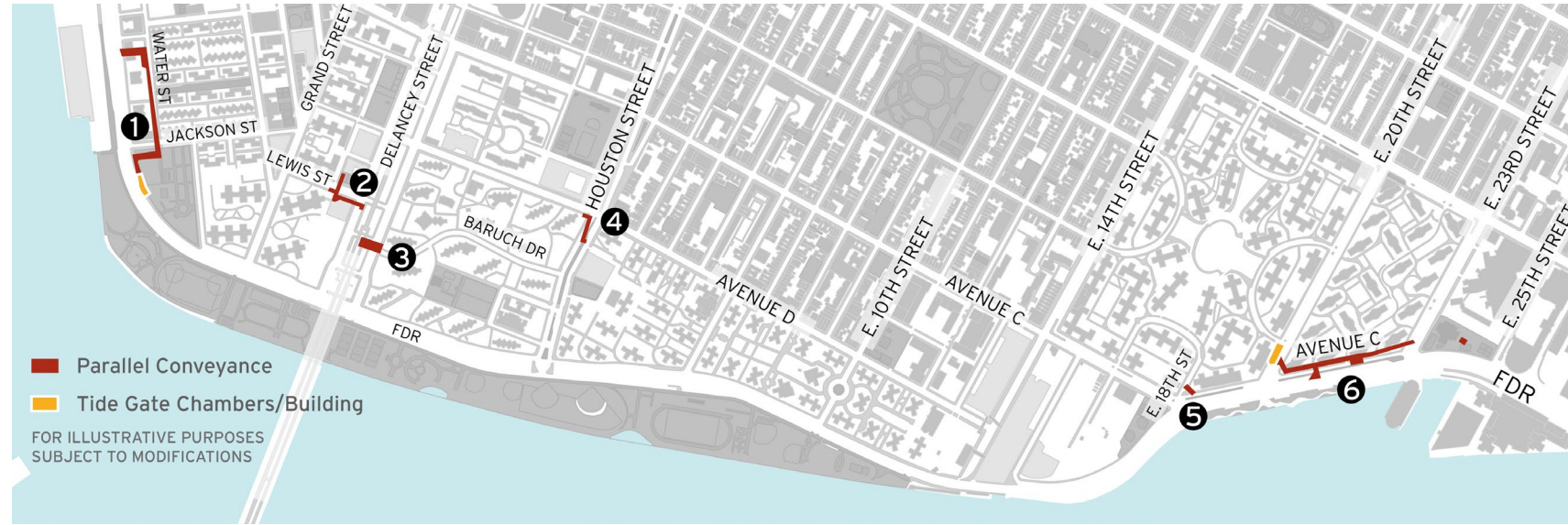
Interceptor gate chamber rendering

Interceptor gate chambers are approximately 4 stories deep!

PC | Construction Progress

ALL WORK IS SUBJECT TO CHANGE

- **Location 1 – Jackson St. & Water St. & Corlears Hook Park**
 - Utility relocation
 - Sewer work installation
 - Water Street from Gouverneur Slip E. to Jackson St. closure in effect 24/7 for continuation of new 24” sewer work
 - Nightwork for test pits
- **Location 2 – Lewis St. & Delancey St.**
 - Test piles
- **Location 3 – Baruch Dr. & Delancey St.**
 - Utility relocation
 - Test piles



- **Location 4 – E Houston St. & Columbia St.**
 - Utility relocation
 - Test piles
 - Water main installation
 - E Houston St. bus stop relocation in effect
- **Location 5 – Avenue C & E 18th**
 - Test piles
 - Con Edison steam work
 - Utility relocation
 - Test pits
- **Location 6 – Avenue C, E 20th to E 23rd**
 - Test piles
 - Utility relocation

PC | Current Activities in CB6

ALL WORK IS SUBJECT TO CHANGE

Con Edison steam work and utility relocation

Test Pits:

- Small excavations to identify existing underground services & utilities

Test Piles:

- Used to determine pile capacity
- Construction impacts:
 - Air, noise, and vibration monitors in place
 - [Advisory](#): No parking 24/7 on the south side of E. 20th Street between Avenue C and E. 20th Street loop



PC | Sequence of Pile Work

ALL WORK IS SUBJECT TO CHANGE

- Two types of test piles:
 - Helical piles ongoing
 - To be followed by micropiles
- Helical piles take approximately one hour to install, with load tests following 1-2 days after
- Test pile operations expected to conclude by end of October
- Permanent piles required to support the new stormwater and drainage infrastructure



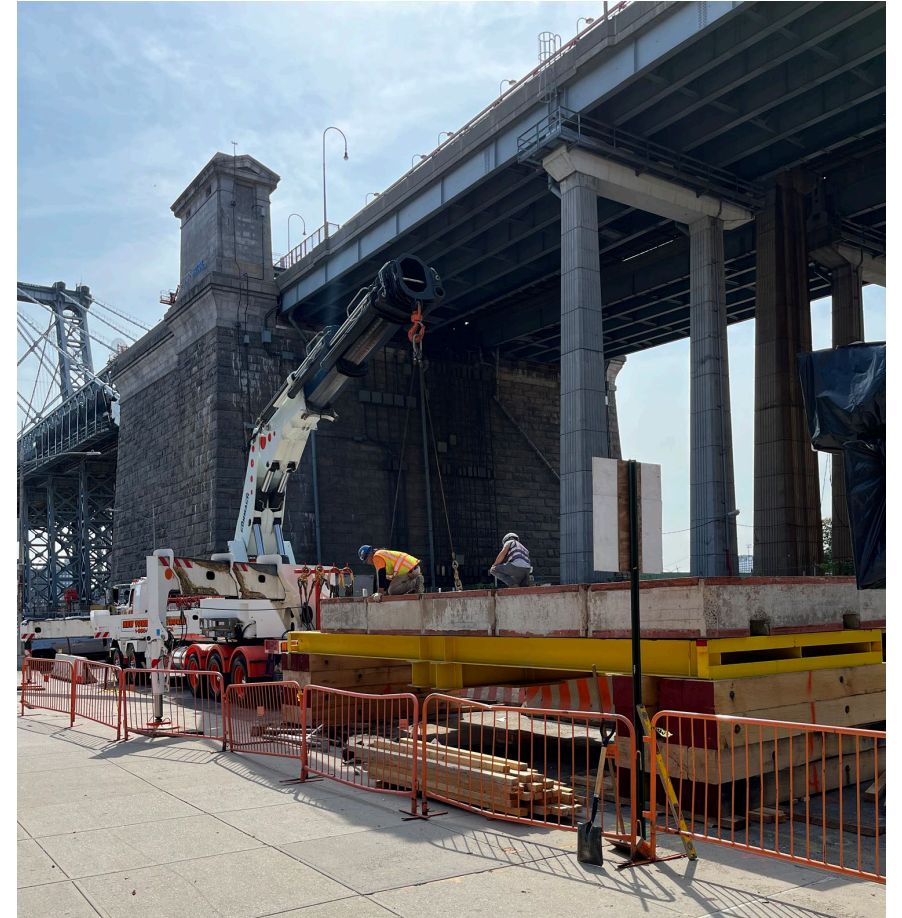
PC | Construction Photos: Test Piles



Installation of test piles on Delancey Street South -- September 2024



Load testing on Delancey Street South -- September 2024



PC | Construction Photos



*Sewer installation on Water Street –
September 2024*



*Excavation for conduit installation at E
Houston St. & Columbia St. – September
2024*



*Water main installation at E Houston St. &
Columbia St. – September 2024*



*Helical pile installation on Delancey St. N –
September 2024*

PC | Resources

- Visit Us: <https://www.nyc.gov/escr>
- Community Construction Liaison:
 - Tannia Wokoun
 - 917-313-6863
 - Email: sandrespc.ccl@gmail.com
- Tabling in the Community
- CB 3 Parks Meetings
- On-site signage
- Inquiry tool and email updates: <https://www.nyc.gov/escr/contact>

The screenshot shows the NYC website for the East Side Coastal Resiliency Project. The main heading is "PC Construction Notices". It includes a sidebar with navigation options like "About", "Project Updates", "Community Engagement", and "Contact". The main content area features a map of the Lower East Side with maroon lines indicating sewer connections and yellow boxes for interceptor gate buildings. Below the map, there are sections for "PC Weekly Construction Bulletin" and "Active PC Community Advisories", which list specific work schedules and restrictions, such as "Nightwork: FDR Drive Southbound between Jackson Street and Cherry Street" on Thursday, September 19 through Sunday, September 22, 2024.

Community Advisory

Project # SANDRESC | Borough: Manhattan | Issue Date: 09/18/2024

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

Nightwork:
FDR Drive Southbound between Jackson St. and Cherry St.
 Thursday, September 19 through Sunday, September 22, 2024

Work Hours:
 Overnight work on FDR Drive right of way to determine the location of the interceptors. Please follow all posted signs.

Advisories posted in English, Spanish, and Chinese

Aviso Comunitario

Proyecto # SANDRESC | Municipio: Manhattan | Fecha: 18/09/2024

El proyecto de Resiliencia Costera del Lado Este (ESCR) es una iniciativa para proporcionar protección contra inundaciones a largo plazo en el lado este de Manhattan.

Trabajo Nocturno:
FDR en dirección Sur entre Jackson St. & Cherry St.
 Iniciando Jueves 19/9 hasta 22/9 de 2024.
 Hora Laboral: 10:00 PM - 5:30 AM

Estas restricciones temporales nocturnas son necesarias para los cierres del carril derecho del FDR Dr. en dirección Sur para excavar pozos de prueba para determinar la ubicación de los interceptores. Por favor, siga todos los señalamientos.

社区公告

项目 # SANDRESCMPC | 行政区: 曼哈顿 | 发布日期: 08/30/2024

东海岸防洪韧性项目 (East Side Coastal Resiliency, ESCR) 将为曼哈顿东区提供长期防洪保护设施。

夜间工作:
位于FDR Drive 南行线, 在Jackson St. 和 Cherry St. 之间
2024年9月4日星期三至
2024年9月9日星期一
工作时间: 晚上 10:00 - 凌晨 5:30

夜间工作并临时封闭 FDR Drive 南行线右侧车道, 以挖掘试验坑以确认地下结构和公用设施的位置。请遵守所有张贴的标志。

Questions? ¿Preguntas? 问题?
 PC项目区域的社区建设联络员 (CCL) | Email: sandrespc.ccl@gmail.com
 Tannia Wokoun, 914-313-6863
 Inquiries | Consulta en Línea | 线上咨询: www.nyc.gov/escr/contact

请注意: 因不可控因素 (天气、地质情况等), 我们可能会对计划的施工地点和方案进行调整。非施工时间的紧急情况, 请按照纽约市消防局和警察局的指示拨打911。





East Side Coastal Resiliency

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.

 Construction Progress	 Resiliency & Flood Protection	 Project Background & Goals	 Project Design
Construction Notices View our most recent community presentations for updates as we prepare for upcoming construction activities.	Resiliency and Flood Protection Learn more about ESCR's resiliency and the forward-thinking flood protection measures being implemented to protect 110,000 New Yorkers from the impacts of climate change.	Project Background and Goals Read about the history and background of ESCR, and the goals driving this technically complex infrastructure project.	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.

NEED MORE INFORMATION?

VISIT US AT:

www.nyc.gov/escr

