

East Side Coastal Resiliency Construction Update

CB3 Parks Committee Meeting

Virtual Meeting

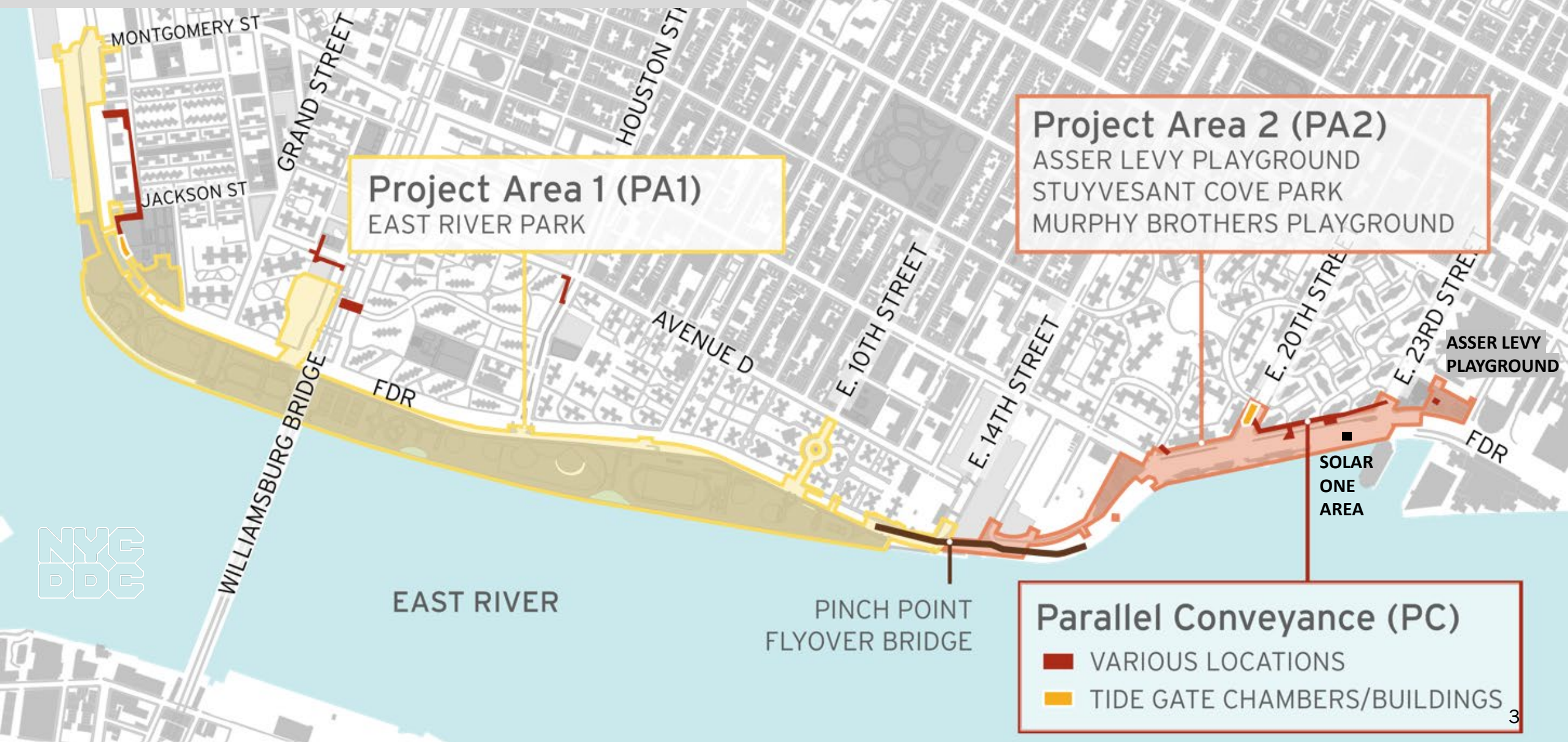
November 10, 2022



Highlights

- Overview of Contracts
 - Project Area 1 Construction Updates
 - Project Area 2 Construction Updates
 - Environmental Review
 - Call for Art
- What We've Heard

PROJECT AREA OVERVIEW



Overview of Contracts

Project Area 1 (PA1)

1 YR

- NTP issued August 16, 2021
- Partial Closures:
 - East River Park south of Stanton St.
 - Greenway closure to E. 10th St.
 - Corlears Hook Park & passive lawn
- Delancey St. & Corlears Hook pedestrian bridges removed. **Corlears Hook temp ped Bridge installed.**
- ongoing ConEd Work
- esplanade removal, soil stabilization and deep sewer work in progress
- floodwall construction activities ongoing around Montgomery Street

Project Area 2 (PA2)

2 YRS

- NTP issued November 2020
- **over 1,200 ft of floodwall installed**
- **Asser Levy Playground Open**
 - **Gate 18 installed**
- Stuyvesant Cove Park including Solar One Area under construction
 - **Gate 14 installed**
 - site restoration north of E 20th St. underway. **Greenway reopened.**
 - floodwall construction in progress south of E 20th St.
- Murphy Brothers work started September 26, 2022

Parallel Conveyance (PC)

- contract awarded in May to NYCC JPL JV
- NTP issued September 13, 2022
- construction start anticipated in winter 2022
- contract duration is approximately 4 years

VISIT PA2 GALLERY:

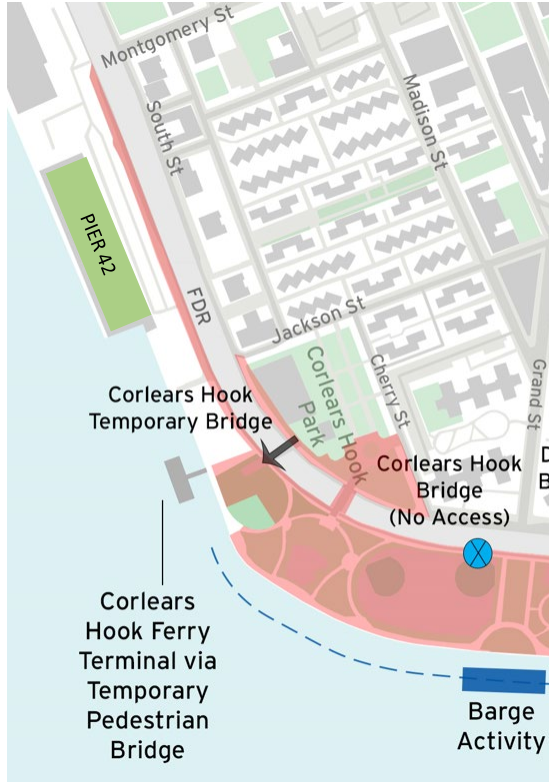
<https://www.nyc.gov/site/escr/project-updates/gallery.page>



Project Area 1

PA1 | Access Map and Open Areas East River Park

ALL WORK IS SUBJECT TO CHANGE



PROJECT AREA 1 | EAST RIVER PARK PEDESTRIAN ACCESS PLAN
As of September 2, 2022



PA1 | 2022- Early 2023 Construction Activities

ALL WORK IS SUBJECT TO CHANGE

1. Soil stabilization activities and esplanade dismantling along the waterfront.
Deep sewer activities and pile install.
Floodwall (Combi-wall) installation.
2. Delancey Street utility, pile and abutment work.
3. Construction for new Corlears Hook bridge.
4. Passive lawn partial closure for utility work.
5. Utility work near Montgomery Street & South Street.
6. Begin floodwall construction in 2023.
6. Montgomery St. – Cherry St. Greenway floodwall activities.
7. ConEd work in Shared Use Path E. Houston Street to E. 10th Street will complete this year.
Slip Ramps in use.
8. E 10th Street utility work.
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.



PA1 | Montgomery Greenway Floodwall Activities

ALL WORK IS SUBJECT TO CHANGE

- work was originally scheduled to be completed during overnight shifts
- with the use of the slip ramps and creativity of the contractor the majority of work is being completed during day shifts
- week of November 14 for one-two weeks, the Contractor will need to complete work during night shift on the FDR and Greenway
- Contractor will then shift back to daytime shifts
- vibratory machines are being used however during certain parts of the operation and when obstructions are hit, the noise will increase
- Work hours for pile install are 7am – 3:30am however the contractor may start to mobilize and perform other work activities at 6am



Community Advisory

EAST SIDE COASTAL RESILIENCY

Project # SANDRESM1 | Borough: Manhattan | Update: 07/29/2022
The East Side Coastal Resiliency (ESCR) Project is an initiative to provide long-term flood protection on the east side of Manhattan.

Nightwork: Floodwall Operations at NB FDR Drive from Montgomery Street to Cherry Street

Starting week of July 25th, 2022
9:00 pm to 5:00 am
Ongoing for several months

To facilitate construction of the floodwall, preparation activities for pile install will necessitate overnight work with FDR lane closures. After preparation activities, overnight pile install will begin. Noise monitors are in place.

FDR onramp Exit #3 northbound entrance (Montgomery Street) will remain open unless otherwise indicated. See weekly bulletin for more information.

Questions? ¿Preguntas? 问题?
PA1 Community Construction Liaison (CCL) | Email: ESCRCL1@ddccr.com
Sonia Quinones, para más información llame, 347-628-8724
Joyce Xin, 欢迎中文咨询, 929-844-0408
Inquiries | Consulta en Línea | 线上咨询: www.nyc.gov/escr/contact

PLEASE NOTE: Due to unforeseen conditions (weather, field conditions, etc.) it may become necessary to change some scheduled work locations and operations. During non-construction hours emergency situations, please contact the New York City Government Services and Information Hotline at 311 or Universal Emergency Number 911.

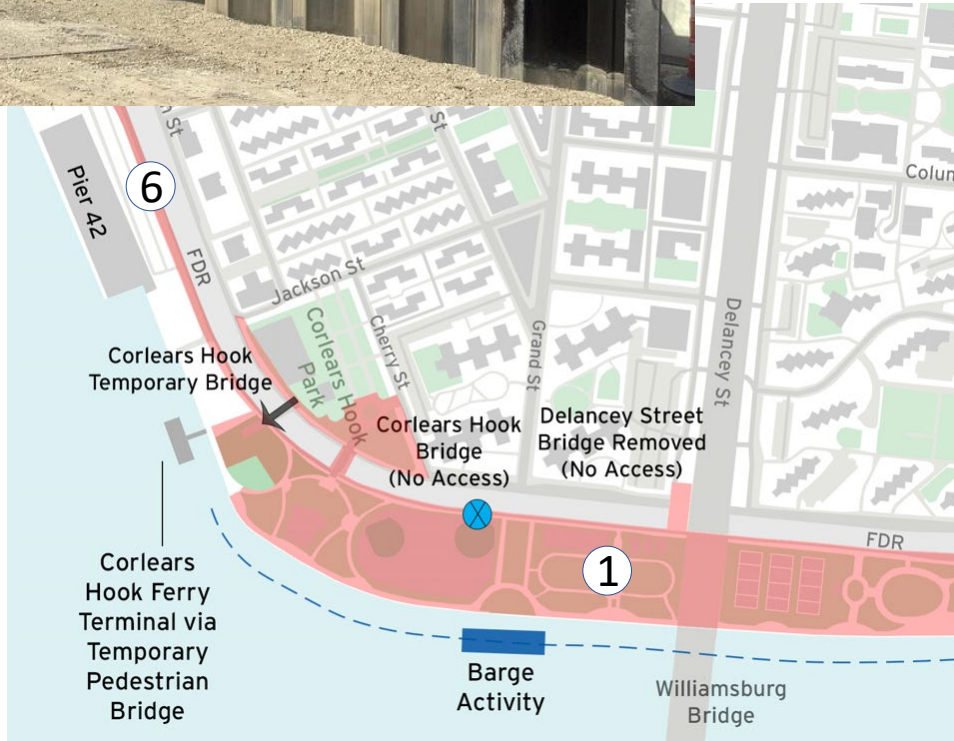
NYC Department of Design and Construction
Office of Community Outreach & Notification

NYC Department of Transportation
NYC Parks
NEW YORK CITY
DOT
NYC Environmental Protection



PA1 | BIG Things Are Happening!

ALL WORK IS SUBJECT TO CHANGE

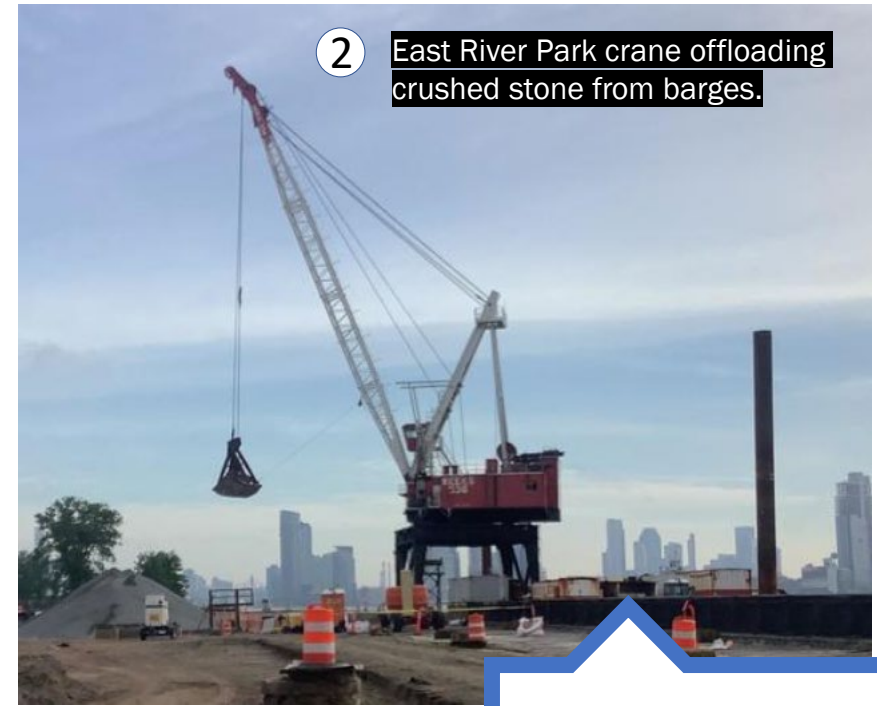
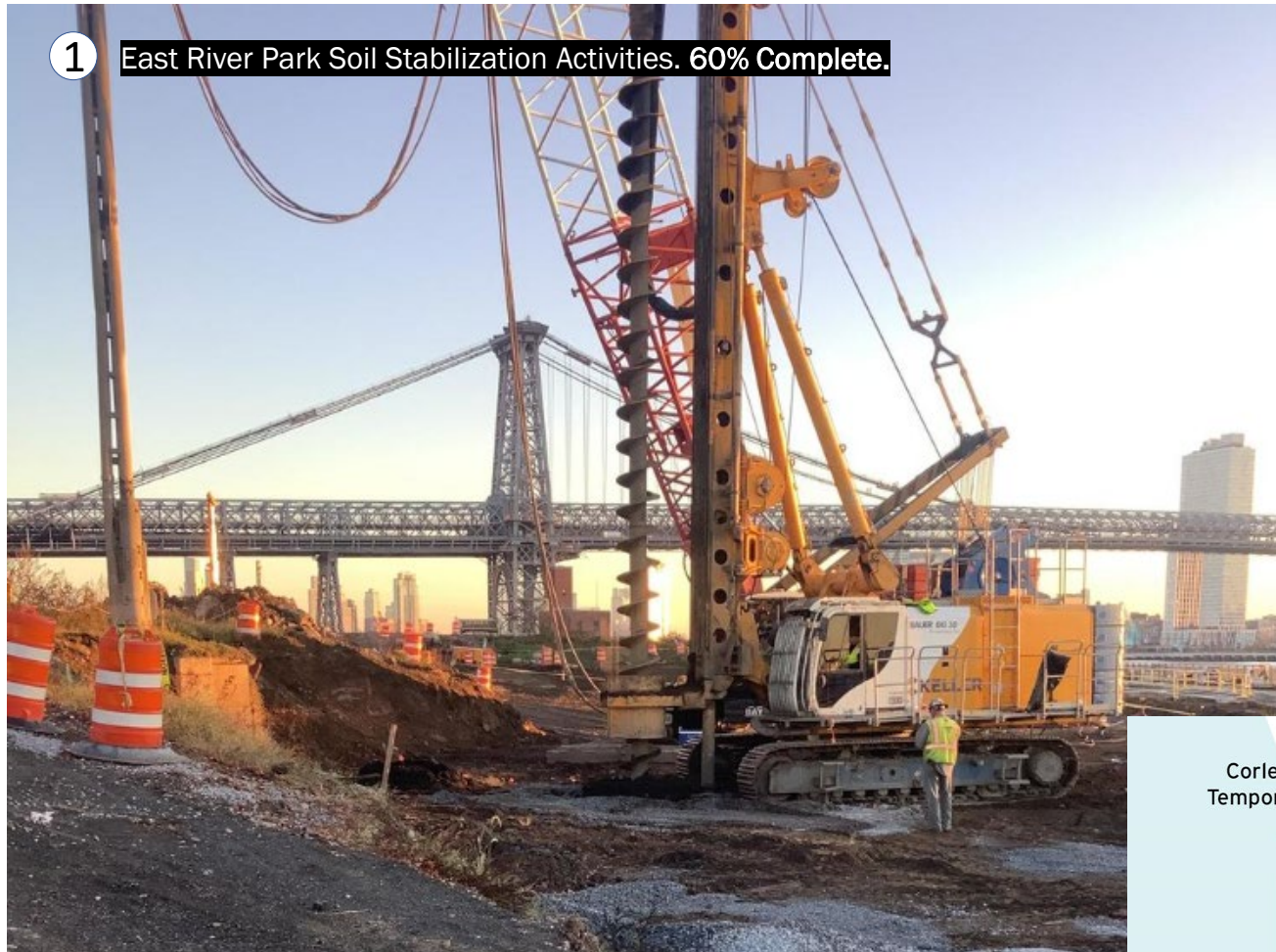


Did You Know?

Massive stormwater chambers and larger drainage pipes will increase stormwater capacity under the park.

PA1 | BIG Things Are Happening!

ALL WORK IS SUBJECT TO CHANGE

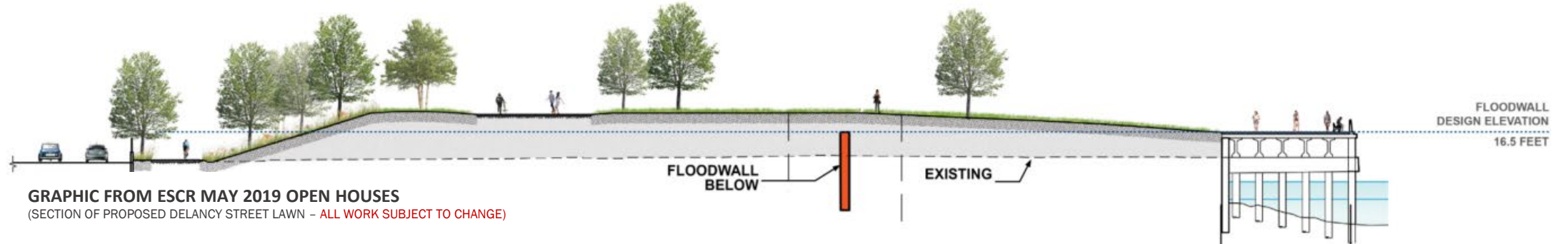


Did You Know?
Over 6,000 trucks
(50 trucks/day)
have been removed
from local streets
thanks to the
barging operations!



PA 1 | Construction Work Sequencing

ALL WORK IS SUBJECT TO CHANGE



GRAPHIC FROM ESCR MAY 2019 OPEN HOUSES
(SECTION OF PROPOSED DELANCY STREET LAWN - ALL WORK SUBJECT TO CHANGE)

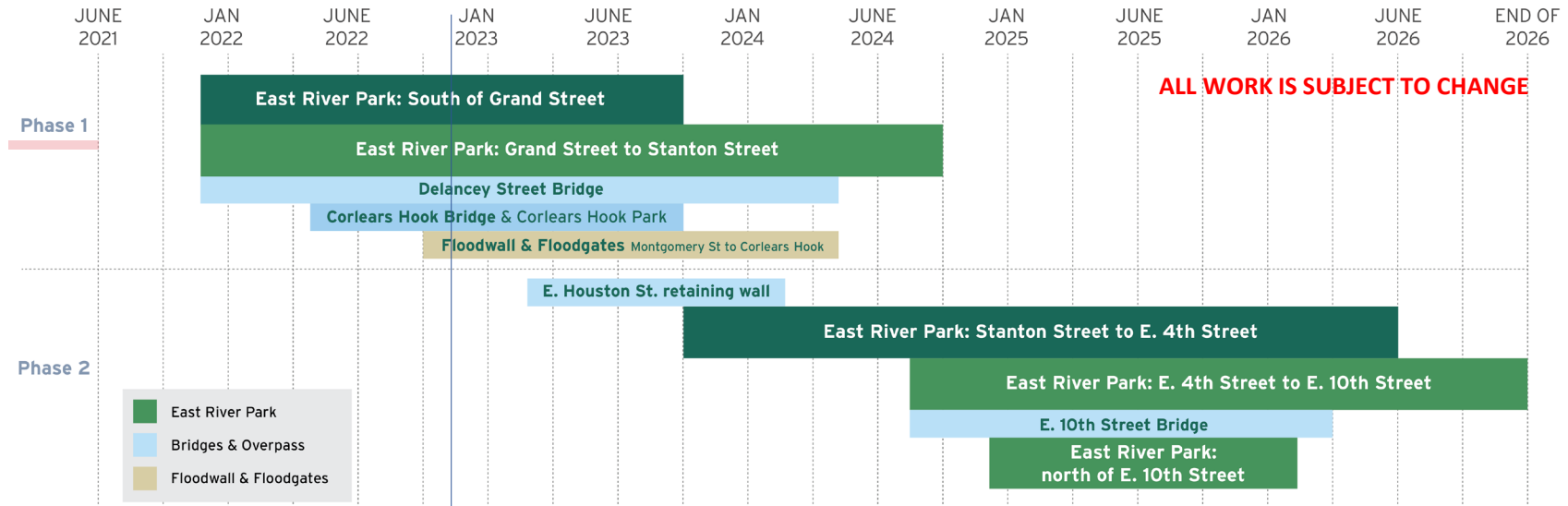
INLAND

- A. Mobilization & Removals
- B. Sewer Replacement & Upgrade
- C. Floodwall Pile Installation & Concrete Foundation
- D. Concrete Floodwall
- E. Fill & Compaction
- F. Site Elements & Materials (roadway, sidewalks, parks elements)

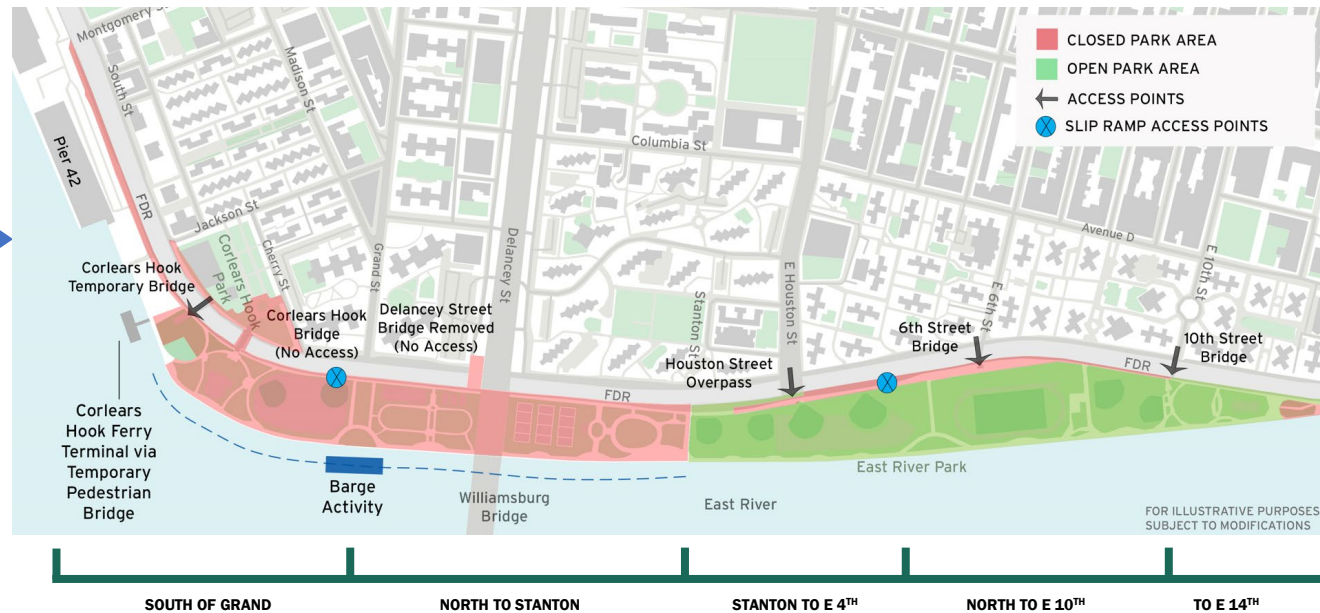
WATERFRONT / ESPLANADE

- A. Soil Stabilization
- B. Remove Esplanade
- C. Install new combi-wall & cap wall
- D. Install New Esplanade
- E. Fill (as needed by location)
- F. Site Elements & Materials (esplanade & parks elements)

PA1 | Construction Progress



- Link to PA1 Construction Timeline: <https://www1.nyc.gov/site/escr/project-updates/project-updates.page>

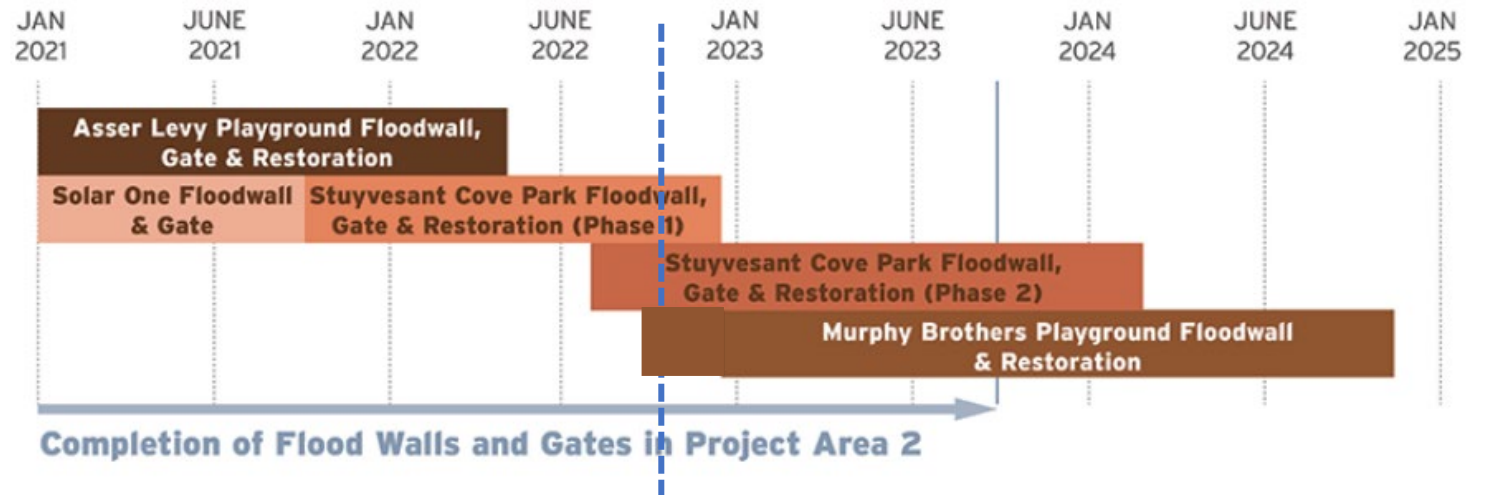


Project Area 2

PA2 | Construction Progress

ALL WORK IS SUBJECT TO CHANGE

1. Stuyvesant Cove Park north of E 20th St.:
 - PLANTING
2. Stuyvesant Cove Park south of E 20 St:
 - ongoing floodwall & seawall construction
 - **ferry access will remain open**
3. E 23rd St. Intersection:
 - floodwall construction
4. West Service Road:
 - floodwall & curb construction
5. FDR Dr. NB exit 7 ramp:
 - pile installation work under FDR
6. E 15th Street between Ave C and FDR Dr. within Con Edison
 - sewer reconstruction
7. Murphy Brothers Playground
 - Under construction with pile installation in progress



PA2 | Construction Photos

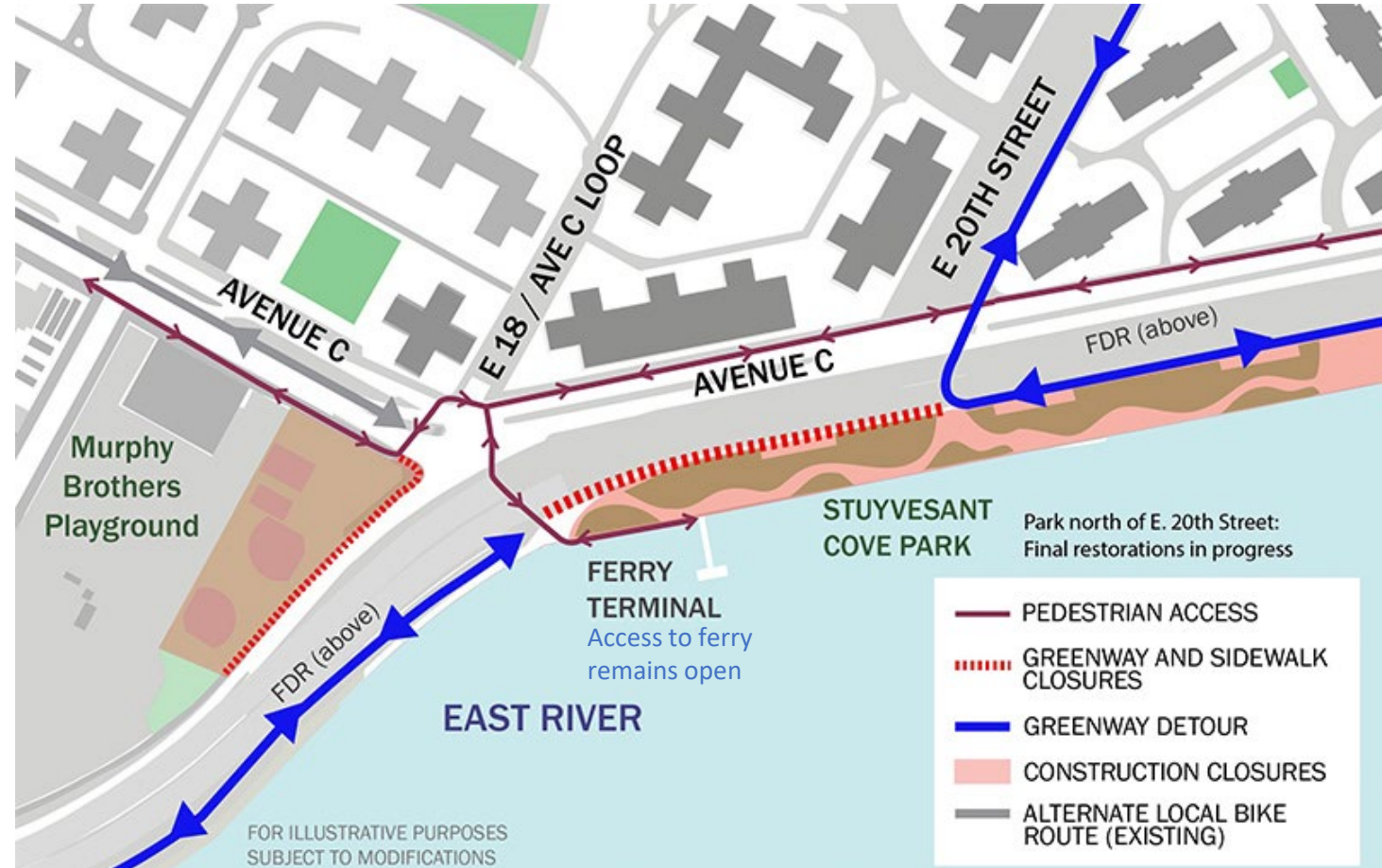


Stuyvesant Cove Park, north – November 2022



PA2 | Current Greenway Access

- Stuyvesant Cove Park under construction
- Stuyvesant Cove Park Ferry access remains open and is accessible from E18th St only
- the Greenway from E20th St north is open
- access to East River Park remains



PA2 | Greenway Access Look-ahead

Fall 2022

- Greenway from E 20th St heading north will reopen
- Greenway from E20th St south will close and access to East River Park from Stuyvesant Cove Park will end
- Stuyvesant Cove Park Ferry access will remain open
- More details and dates to follow



Community Impacts & Environmental Review

Community Impacts

- Detours and lane closures
 - Vehicular travel lane closures, detours and new traffic patterns
 - Cyclists and pedestrian detours
 - Signage will be posted in advance within the affected areas. Traffic Enforcement Agents and flaggers will be present when necessary to assist vehicles and pedestrians
- Public transportation will be maintained at all times including Ferry landings
- Emergency vehicle and pedestrian access to sidewalks will be maintained at all times
- Water Service Interruptions:
 - During the project there may be some service interruptions. To allow for water line replacement, existing water service must be temporarily shut off.
 - Advance notice will be provided before any service interruption. Water service will be restored at the end of each night.

Community Construction Liaisons

Questions? ¿Preguntas? 问题?:

PA1 Sonia Quinones at (347) 628-8724

PA1 Joyce Xin at (929) 844-0408

ESCRCCL1@ddccr.com

web inquiry tool:
www.nyc.gov/escr/contact



Construction Bulletin

East Side Coastal Resiliency
www.nyc.gov/escr

PROJECT AREA 1 – Two Week Look Ahead
11/05/22 - 11/19/22

PROJECT#: SANDRESM1 | BOROUGH: MANHATTAN | DATE ISSUED: 11/04/22

The following is an anticipated work schedule for the upcoming week. **However, due to unforeseen field and weather conditions**, it may become necessary to change some scheduled work locations, operations, and dates. The community will be advised of changes.

Map Key	Date	Work Hours	Location	Operation
1	11/05/22–11/19/22	6:00 am to 6:00 pm	East River Park: South of Stanton Street	Soil stabilization activities & esplanade removal along waterfront. Ongoing deep excavation sewer work and pile installation. Weekend work anticipated.
2	11/07/22–11/18/22	7:00 am to 5:00 pm	East River Park: Delancey Street Bridge	Ongoing site preparation on the park side for the new Delancey Street Bridge.
3	11/07/22–11/18/22	7:00 am to 5:00 pm	East River Park: Greenway between E. Houston St. & E. 10 th St.	Entrances at E. Houston Street, E. 6th St. Bridge and E. 10th St. Bridge are open. See Access Plan for details and open areas. Ongoing Con Edison utility work and backfilling, see Advisory .
4	11/07/22–11/18/22	9:00 am to 5:00 pm	E. 10 th Street between FDR Drive and Avenue D	Ongoing utility work and test pits.
5	11/07/22–11/18/22	7:00 am to 5:00 pm	Corlears Hook Park Flagpole area & East River Park: Passive Lawn	For public access to ferry use the temporary bridge at Corlears Hook. see Advisory . Ongoing site, utility work, and pile installation for new Corlears Hook Bridge.
6	11/07/22–11/18/22	7:00 am to 5:00 pm 9:00 pm to 5:30 am	East River Park: Greenway between Montgomery St. & Jackson St.	Ongoing site preparation activities and sheet pile installation. Possible overnight work with partial FDR lane closures . See Advisory .
7	11/05/22–11/06/22 11/07/22–11/18/22	7:00 am to 3:30 pm 9:00 am to 2:00 pm	Montgomery Street / South Street area and Various Locations	Ongoing Con Edison work and test pits. Weekend work anticipated.

Construction Bulletin

East Side Coastal Resiliency
www.nyc.gov/escr

Numbers on the map below show the approximate location of the construction operations described on the first page. For more detailed information, see Advisories released for closure and detour posted on the website: <https://www1.nyc.gov/site/escr/project-updates/pa1-notice-page>.

Sheet Pile for floodwall along the Greenway
October 2022

Questions? ¿Preguntas? 问题?: Contact **Sonia Quinones** at (347) 628-8724, **Joyce Xin** at (929) 844-0408, ESCRCCL1@ddccr.com, or via web inquiry: www.nyc.gov/escr/contact. During non-construction hours, please contact the New York City Government Services and Information Hotline at **311** or Universal Emergency Number **911**.

EAST SIDE COASTAL RESILIENCY | Department of Design and Construction | NYC | DOT | NYC

Environmental Monitoring

Community health and safety is of the utmost importance to the City of New York, the NYC Department of Design and Construction (NYC DDC), and the East Side Coastal Resiliency (ESCR) team. The ESCR project is committed to providing the community with quarterly air quality monitoring summaries throughout construction.

- Air, noise, and vibration monitors are active 24 hours/day, 7 days/week
- Air monitoring summaries are available on the ESCR Environmental Monitoring web-page, with verbal updates provided at Community Advisory Group Meetings
- The project follows all federal, state and local guidelines. To date construction activities have not exceeded National Ambient Air Quality Standards
- The ESCR Environmental Fact Sheet can also be found on the ESCR website. <https://www1.nyc.gov/site/escr/project-updates/environmental-monitoring.page>



3. We are guided by federal air quality standards.

Through careful monitoring with real-time alerts, our team knows when we need to take additional measures during construction to protect air quality for residents.

- The Environmental Protection Agency (EPA) sets National Ambient Air Quality Standards which define regulatory limits to protect public health called **Permissible Exposure Levels (PEL)**.
- The ESCR Team and Environmental Specialists receive **real-time alerts** when Particulate Matter (PM) numbers approach an **Action Level**, which is set below the permissible exposure level.
- If it is determined that the construction is not meeting the standards set by oversight agencies, work will be halted and further assessed to assure protection to residents and park users.

The EPA has set a **24-hour time weighted average (TWA)** as standard for evaluating the particle pollution levels, meaning that they average potential exposure to particulate matter over a 24-hour period.

The ESCR project evaluates air quality at **15-min TWA intervals**, meaning we average exposures over 15-minute periods. This more conservative approach will help the ESCR team to monitor the project's effect on air quality more closely.



AUGUST 2022 | Summary

Montgomery Street to Jackson Street:

PM2.5: (4) around 15 minutes; vehicle traffic at FDR on-ramp

PM10: (1) around 15 minutes; vehicle traffic at FDR on-ramp

Jackson Street to Williamsburg Bridge:

PM2.5: (3) around 15 minutes vehicle traffic and construction activities – dust suppression techniques applies

PM10: (2) 20 & 40 minutes; construction demo activities – dust suppression techniques applies

Williamsburg Bridge to Northern Project Limit

PM2.5: (3) 15 & 40 minutes; construction activities – dust suppression techniques applies

PM10: 15 minutes; construction activities – dust suppression techniques applied

ConEd Oil-O-Static Work/East River Park

PM2.5: 15 minutes; 3rd party inside the park grilling – no mitigation

PM10: (2) 15 minutes; overnight – no mitigation and 3rd party inside the park grilling

Call for Art Panels

- PA2 panels have moved to PA1. Updated maps are on the ESCR project website: <https://www.nyc.gov/site/escr/community-engagement/call-for-art.page>

In Your Community

Call for Art Panel Locations

Project Area 1- East River Park: Field #3 to #6

K-4

1. Amelia Cotler, "Community Unites", NEST+M, Grade 4
2. Atharva Gupta, "Untitled", NEST+M, Grade 4
3. Augustus Jensen, "The Williamsburg Bridge", Children's Workshop School, Grade 4
4. Keanu, "Untitled", NEST+M, Grade 4
5. Keira Zoey Isakov, "Untitled", NEST+M, Grade 4
6. Kyle Shih, "Untitled", NEST+M, Grade 4
7. Lucas H., "Friendship", NEST+M, Grade 4
8. Max Fajardo, "The LES", NEST+M, Grade 4
9. Maya Ramocki, "The Great Lower East Side", NEST+M, Grade 4
10. Olivia Florence Wald, "One Community", NEST+M, Grade 4
11. Quiana H., "Untitled", NEST+M, Grade 4
12. Raymond Li, "Untitled", NEST+M, Grade 4
13. Sarina Gregoire, "Take in the View", NEST+M, Grade 4
14. Sonia Ratushny, "Untitled", NEST+M, Grade 4
15. Summer Shih, "LES", NEST+M, Grade 4

Grade 5-8

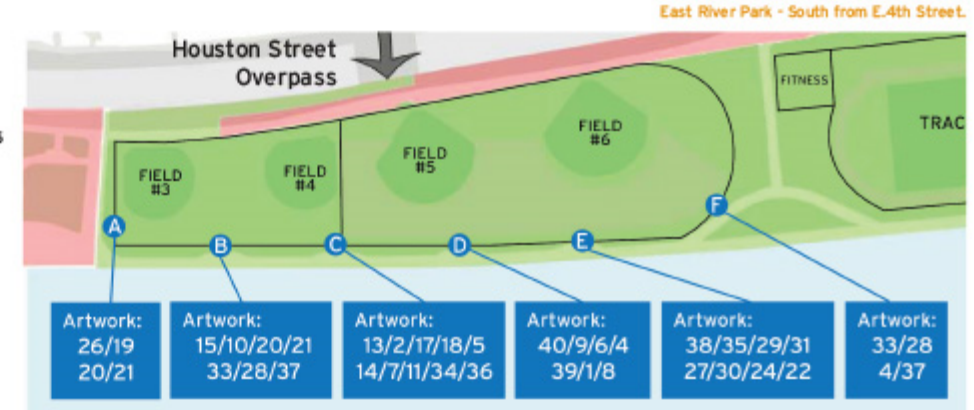
16. Dante Levy, "Recycleneers", Learning Spring School, Grade 8
17. Idris S., "NYC", NEST+M, Grade 5
18. Julia Tang, "One Person Can Make a Difference", NEST+M, Grade 5
19. Lillard Olson, "Galactic Cooperation", NEST+M, Grade 5
20. Matthew A. Nunez, "Spread the Message", Learning Spring School, Grade 7
21. Natalika Roscishewska, "Resilience", NEST+M, Grade 5
22. Orson Huggett, "Help Stop the Flood", Learning Spring School, Grade 7
23. Romo Lee, "Rising Up Again", NEST+M, Grade 5
24. Sophia Anand, "Together", Saint Stephen of Hungary School, Grade 5
25. Veronika Duvanova, "Resilience Starts With Us", PS 255, Salk School of Science, Grade 8
26. Zoelle Catherine Luk, "All Hands In", NEST+M, Grade 5

Grade 9-12

27. Abby Lehmann, "The New York Fishbowl", Winston Preparatory School, Grade 12
28. Angelle, "Organically Artful", East Side Community School, Grade 11
29. Daone Choi, "A New York Street Full of Hearts", Idyllwild Arts, Grade 10
30. Iggy Roque, "Flowers of NYC - Mountain Witch Alder", East Side Community School, Grade 11
31. Jacob Flores, "Resilient City", New Utrecht High School, Grade 10
32. Kimberly Wu, "NYC vs COVID-19", New Utrecht High School, Grade 12
33. Kunyu Liang, "Mask", New Utrecht High School, Grade 12

Local Artists

34. Andrea Aimi & Third Grade Artists from Friends Seminary, "Quilt Bridges"
35. Billy the Artist, "New York Celebration"
36. Carlos Wilfredo Encarnación, "Nest"
37. Keryn Huang, "Underwater Seagrass As Coastal Protection"
38. Roberto Torres, "Farmin Gardens"
39. Silvio Delacruz Molina, "UNIDAD"
40. Willie Jimenez, "Kids of NYC"



Visit the Call for Art webpage for more information:
www.nyc.gov/escr/art

ESCR Receives WEDG Verification

- East Side Coastal Resiliency Project Receives “Waterfront Edge Design Guidelines” Verification from Waterfront Alliance
- (New York, NY – November 10, 2022) NYC Department of Design and Construction (DDC) Commissioner Thomas Foley announced today that the East Side Coastal Resiliency (ESCR) project, which is enhancing parks while creating a 2.4-mile long flexible flood barrier extending from Montgomery Street on Manhattan’s Lower East Side up to Asser Levy Playground at East 25th Street, has been selected to receive “Waterfront Edge Design Guidelines” (WEDG®) Verification from the Waterfront Alliance.
- <https://www.nyc.gov/site/ddc/about/press-releases/2022/pr-111022-waterfront-alliance-verification.page>

WATERFRONT ALLIANCE

WEDG



NEED MORE INFORMATION?

VISIT US AT: www.nyc.gov/escr

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
<p>Construction Notices View our most recent community presentations for updates as we prepare for upcoming construction activities.</p>	<p>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.</p>	<p>Project Background and Goals Read about the history and background of ESCR, and the goals driving this technically complex infrastructure project.</p>	<p>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.</p>

