

# Battery Coastal Resilience News

March 2025

[www.nyc.gov/site/lmcr/progress/battery-coastal-resilience.page](http://www.nyc.gov/site/lmcr/progress/battery-coastal-resilience.page)



Image: Aerial image of The Battery (photo taken by The Battery Conservancy)

## Project News

Welcome to Project Newsletter #5! We are excited to share news and updates about the Battery Coastal Resilience Project. This newsletter will provide an **overview of the wharf substructure, the latest on construction progress, and summary of upcoming construction work**. Read on to find out more!

## Project Timeline



## About the Project

The Battery Coastal Resilience Project will rebuild and elevate The Battery wharf to reduce risk from future tidal flooding and low-level coastal storms while maintaining the character and uses of the promenade and the rest of the park. The Battery Coastal Resilience Project is one of several projects, together known as the Lower Manhattan Coastal Resiliency (LMCR) Project. The project is currently in Construction Phase 1, which is expected to transition to Construction Phase 2 in Summer 2025.

## Wharf Substructure - More than Meets the Eye

Every structurally resilient project requires a strong foundation, and The Battery is no exception. The unique challenges that urban environments, tourism traffic, and a rapidly changing tide level pose necessitates that every element of the wharf substructure design be carefully and intentionally selected. The process begins with more than 200 concrete piles driven deep into the seabed, anchoring to the existing bedrock. Above this, a continuous rigid frame is created by setting precast caps and connecting them to both the piles and each other using cast-in-place horizontal beams. Once set, the system is topped with precast planks, forming a continuous subbase for the anticipated topping slab. Together, these components safely control and transfer the forces of the upper structure and adjacent tidal action deep into the Earth below. As we approach the end of Phase 1, stay tuned for the upcoming newsletter where we'll explore the aesthetic finishes of the wharf that will breathe new life into Battery Park!



*Image: After the concrete piles are driven and cut, the precast caps are set on top. Rebar is set for the cast-in-place horizontal beams.*



*Image: Temporary framework (i.e. a mold for the concrete) is installed, after which concrete can be poured to connect the caps.*



*Image: Once the concrete has had adequate time to cure, the forms can be removed. The result is a structural frame.*



*Image: Planks are set to bridge the gaps between each cap, creating a continuous subbase for the wharf. Once set, a final concrete slab can be poured.*

## Construction Progress

The team has been firing on all cylinders, and the waterfront is evolving rapidly with each passing day. In addition to the aforementioned wharf construction, sitework is underway to precisely set the soil subbase and concrete foundations in a way that supports the architectural features within the park for years to come. Much like a skeleton serves as the framework for the human body, these elements lay the groundwork for the long-awaited and much-needed Park renovations. In just a few short weeks, a unique blend of new materials and salvaged stone from the original waterfront will be brought to the site to transform these foundations into a diverse blend of beautiful features such as walkways, stairs, ramps, and benches.



*Image: Final grading of subbase soil beneath forthcoming site finishes (i.e. asphalt, pavers, etc.)*



*Image: Installation of structural concrete to support forthcoming granite retaining walls.*



*Image: Subgrading of lightweight fill for forthcoming planting soil, emergent perennials, and trees.*



*Image: Structural concrete and soil to support forthcoming ADA accessible ramps leading into Castle Clinton.*

### Questions?

Reach out to the **Community Construction Liaison (CCL)**  
for project related queries:

**Battery Coastal Resilience CCL:**

Kyle Beyer, at 347-313-8375 or

[info@batterycoastalresilience.com](mailto:info@batterycoastalresilience.com)

# Construction Updates

## Summary of Upcoming Work

- Continued marine activity including crane mounted barge mobilizations and material supply deliveries via barge.
- Continued pile driving activities to install structural foundations for the reconstructed wharf near Pier A from barge-mounted cranes.
- Installation of precast concrete pile caps and beams on top of structural foundations to shape the reconstructed wharf via barge and mounted cranes.
- Land-side backfilling and concrete placement for retaining wall, planter beds, and accessible pedestrian ramp foundations.

Expected Work Timeline:

**01/01/2025 - 05/01/2025** (~4 months duration)

## Map of Open and Closed Park Areas and Access Points



### Features that remain open:

- Playscape
- SeaGlass Carousel
- Bikeway
- Battery Woodland
- Urban Farm
- Bosque Fountain
- Castle Clinton
- Statue of Liberty Ferry
- Portions of the Oval Lawn
- Food Kiosks/Restaurant
- Restrooms (3)

### Features that are closed:

- Battery Wharf
- Gardens of Remembrance
- Portions of the Oval Lawn

### Monuments that are inaccessible:

- Admiral George Dewey Memorial
- American Merchant Mariners Memorial
- Emma Lazarus Memorial Plaque
- Korean War Veterans Monument
- Netherlands Memorial Flagpole
- Norwegian Veterans Memorial
- Peter Caesar Alberti Marker
- River That Flows Two Ways
- The Immigrants
- Walloon Settlers Memorial