AGENDA

1. INTERIOR DRAINAGE

2. CONSTRUCTION STAGING

3. PDC - DESIGN UPDATES
   - THE BATTERY & ALBERTI MARKER
   - PIER A PLAZA
   - EXPOSED FLOODWALL
   - BATTERY PLACE

4. PAVILION SERVICE ENTRANCE
INTERIOR DRAINAGE
Coordination with NYCDEP led to adoption of Near-Surface Isolation (NSI) instead of Interceptor Isolation Gates (IG)

What is NSI?

Stops the surge from flooding the streets by isolating the interceptor closer to street level

Interceptor isolation gates (IG) would isolate the interceptor at a deeper level (interceptor level)
INTERIOR DRAINAGE | UPDATE – NEAR SURFACE ISOLATION

NSI Elements

Regulator Gates at Existing Regulator Structures

Pressure-proof Existing Manholes

Install vented outer frame & cover

Provide anchoring

Install lockable inner pressure-proof frame & cover
INTERIOR DRAINAGE | UPDATE – NEAR SURFACE ISOLATION

NSI Locations
NSI Street Flooding Reduction

All street flooding pooling areas are less than 1 ft average depth within SBPCR.

NSI results in NO mappable flooding within SBPCR area in LOMR
CONSTRUCTION STAGING
SITE LOGISTICS DURING CONSTRUCTION: MJH AND WAGNER PARK
**SITE SIGNAGE DURING CONSTRUCTION**

*Site Signage:*

- DOB Required Signage
  - Placed at key site access points
  - Project Informational Panel
  - Permits & Safety Signage

- Project Specific Informational Signage
  - Placed along Battery Place fence frontage
  - Placed along northern site boundary
  - Content yet to be defined, but will target a resiliency and informational theme
SITE SIGNAGE DURING CONSTRUCTION
**GENERAL CONSTRUCTION INFORMATION**

*Anticipated Project Duration:*
- MJH, Wagner Park and Wagner Park Pavilion: July 2022-July 2024

*Typical Days/Hours of Work:*
- Mon-Fri; 7:00-3:30pm
- Sat; 8:00-4:00pm
- Shifts may be extended
- Work activities such as road resurfacing and utility work may be done off hours to minimize traffic/stakeholder impact

*Flaggers will be present for all construction deliveries to ensure pedestrian and cyclist safety*

*A protected pedestrian path will be provided in the street adjacent to the sidewalk closure on the west side of Battery Place during the reconstruction of Wagner Park.*

*A affected bus stop will be shifted to accommodate construction in coordination with MTA Buses*
PDC - DESIGN UPDATES
COMMUNITY ENGAGEMENT TIMELINE

- **PUBLIC MEETING**: Nov 2018
- **PUBLIC MEETING**: Mar 2019
- **PUBLIC DESIGN ACTIVITY MEETING**: Apr 2019
- **PUBLIC MEETING**: Jun 2019
- **UPDATE TO CB1**: Oct 2019
- **PUBLIC MEETING**: Jan 2020
- **UPDATE TO CB1**: Jun 2020
- **PUBLIC MEETING**: Jun 2019
- **PUBLIC MEETING**: Nov 2018
- **PUBLIC MEETING**: Mar 2019
- **PUBLIC MEETING**: Apr 2019
- **PUBLIC MEETING**: Jun 2019
- **PUBLIC MEETING**: Jan 2020
- **PUBLIC MEETING**: Jan 2020
- **PUBLIC MEETING**: Jan 2020
- **UPDATE TO CB1 EXECUTIVE COMMITTEE**: Aug 2021
- **PUBLIC SCOPING MEETING**: Oct 2021
- **CB1 DEPLOYABLES WORKSHOP**: May 2020
- **UPDATE TO CB1**: Mar 2022
- **UPDATE TO CB1**: April 2021
- **LMCR UPDATE TO CB1**: June 2021
- **UPDATE TO CB1**: Mar 2022
- **UPDATE TO CB1**: Mar 2022
- **UPDATE TO CB1**: Apr 2021
- **LMCR UPDATE TO CB1**: Jan 2021
- **UPDATE TO CB1**: Feb 2021
- **UPDATE TO CB1**: Apr 2021
- **UPDATE TO CB1**: Mar 2022
PDC SUBMISSION HISTORY

CONCEPTUAL SUBMISSION
SEPT 2019

AMENDED CONCEPTUAL SUBMISSION
FEBRUARY 2020

PRELIMINARY SUBMISSION
APRIL 2020

INTERIM FLOODWALL CLADDING SUBMISSION
SEPTEMBER 2021

AMENDED PRELIMINARY SUBMISSION
MAY 2021

FINAL DESIGN SUBMISSION
FEBRUARY 2022

DESIGN AND AGENCY COORDINATION FOR EXPOSED FLOODWALL,
DESIGN AND AGENCY COORDINATION FOR SECURITY ELEMENTS
AT PIER A PLAZA ENTRANCE, COORDINATION WITH BATTERY
RESILIENCY PROJECT, AND DEVELOPMENT OF DESIGN DETAILING
Pier A Plaza:
• Revise arrangement of bollards, hydraulic power units, and planting to enlarge the planted buffer and minimize bollards along bikeway
• Continue to study the detailing and durability of the wooden seating elements at Pier A plaza
• Reconsider the ground lighting under the benches within Pier A plaza and along the floodwall
• Maximize use of solar lighting
• Provide details on the stone cladding at the flood walls
• Provide details on the engineering and functionality of the deployable gates

Battery PI:
• Study allowing direct pedestrian access to pavilion from Battery Place
• Provide details on the sidewalk and pavilion entrance
• Clarify the planting in front of the Pavilion and how it relates to the design

The Battery:
• Explain the necessity of removing mature trees and explore ways to add more trees to the proposal
• Provide additional details for the planted berm
Exposed Floodwall:

- Expressed concern about the design and constructibility of the floodwall, and that the constructibility will detract from the legibility of the design metaphor
- Provide detailed construction and fabrication documents of the stone units, jointing, stone cap, and where the flip up gates interact with the wall
- Questioned whether the concept would be intuitively understood on the elevation of the wall
Exposed Floodwall:

• Expressed that the “abstract expressions” of land and water are not legible as the utilization of two different stones reinforces the decorative nature of the stone-facing rather than acknowledging, celebrating, and creating a cohesive language across the infrastructure

• Requested that the Stony Creek be removed from the stone facing so that the wall is expressed with only the Pearl Gray stone
  - Will allow the existing Stony Creek on-site to be more visually prominent in the pedestrian foreground
  - Reinforces the pedestrian scale of the Stony Creek in-situ
  - Pearl Gray is a beautiful stone with inherent variation which will create visual interest
  - Designing the wall in the singular stone palette will celebrate both the material of the cladding and the function of the wall

• Revise coping design so that the schist reference is applied across the full stretch of the wall and detailing be studied to remove threat of water infiltration

• Requested a scale model to help understand the visual impact of the stone module sizes proposed, how they are legible across the wall
PDC DESIGN UPDATES
THE BATTERY & ALBERTI MARKER
COMMUNITY REQUESTS & DESIGN DRIVERS:
• DESIGN TO MAXIMIZE PLANTED AREAS AND TREES
• DESIGN TO PRESERVE EXISTING TREES WHEN POSSIBLE
• ROOT DESIGN WITHIN CHARACTER AND MATERIALS OF THE BATTERY

- EXPOSED FLOODWALL
- STONY CREEK GRANITE WALL
- WALLOON SETTLERS MONUMENT-PROTECTED IN PLACE
- DEDICATED BIKE PATH
- BATTERY PARK UNDERPASS (BELOW)
- FLIP UP GATE
- DEDICATED BIKE PATH
- BROOKLYN BATTERY TUNNEL (BELOW)
PDC DESIGN UPDATES
PIER A PLAZA
COMMUNITY REQUESTS & DESIGN DRIVERS:
• MITIGATE HEIGHT OF FLOOD INFRASTRUCTURE
• LOWER LEVEL STORM MITIGATION
• ENHANCED URBAN AMENITIES
• UNIVERSAL ACCESSIBILITY AND SAFETY

PIER A PLAZA | PREVIOUS DESIGN
PIER A PLAZA | FINAL DESIGN UPDATES

- Limit of Work
- LMCR Battery Resiliency

- Historic Bulkhead Markers
- Addition of Planter
- Changes to Tree Sizes and Locations to Accommodate Service and Emergency Vehicle Access

- Change in Planter Arrangement Due to Battery Resiliency Extents & Access for DEP Service Vehicle & Emergency Vehicle

CB1 Update - March 2022

Final Design - PDC Draft
PIER A PLAZA | HISTORIC BULKHEAD MARKERS

- Existing stone markers to be salvaged and placed along historic bulkhead lines within hex pavers
- Additional markers created using same salvaged stone and to be incised with matching text
- Markers to occur on each level of the plaza
PDC DESIGN UPDATES
EXPOSED FLOODWALL
EXPOSED FLOODWALL DESIGN DRIVERS

- Battery Park Underpass
- Tunnel Vent
- Dedicated Bike Lane
- Emergency / Floodgate Deployment Vehicle Access
- Stage Deployment Vehicle Access
EXPOSED FLOODWALL | PREVIOUS DESIGN MATERIALS PALETTE
EXPOSED FLOODWALL | PREVIOUS DESIGN - AGENCY & PDC REQUESTS

Dept. of Parks & Rec: Increase the amount of split face finish and place at the bottom of the walls

Dept. of Parks & Rec: Details need to be modified to ensure that the wall does not provide handholds or shelves that would enable a person to climb the face of the wall

Dept. of Parks & Rec: Access to the top of the wall needs to be prevented and/or the wall top needs to be designed in such a way to prevent access

PDC: Requested that the coping stone design seen on the west end of the Pier A wall is extended across all walls

PDC: Requested removal of Stony Creek stone on wall
EXPOSED FLOODWALL | MATERIALS PALETTE

PEARL GREY SANDBLASTED

PEARL GREY WATERJET

PEARL GREY SPLIT FACE
EXPOSED FLOODWALL | BATTERY ENTRANCE

STONE KEY

- SPLIT FACE
- WATERJET
- SANDBLASTED

CB1 UPDATE - MARCH 2022

DRAFT
EXPOSED FLOODWALL | STONE UNIT TYPES + SECTIONAL QUALITIES

SINGLE WIDTH UNITS:

RIPPLE UNITS:

RIPPLE UNITS BEGIN

CB1 UPDATE - MARCH 2022

FINAL DESIGN - PDC

DRAFT
EXPOSED FLOODWALL | THE BATTERY ENTRANCE

LEGEND

PEARL GREY - SPLIT FACE
PEARL GREY - WATERJET

BIKE LANE
SEAT WALL
FLIP-UP GATE
BOLLARDS

CB1 UPDATE - MARCH 2022
FINAL DESIGN - PDC
DRAFT
EXPOSED FLOODWALL | WAGNER PARK

LEGEND

PEARL GREY - SPLIT FACE
PEARL GREY - WATERJET
PEARL GREY - SANDBLASTED

FLIP-UP GATE
CATENARY LIGHT
Number of street trees altered due to utilities, street lights, and signage offsets; DOT standards; existing bus stop; and charter bus drop off.
PAVILION SERVICE ENTRANCE
FLUSH STONE AND PAINTED STEEL FACADE SYSTEMS

SIGNAGE (TBD WITH CONSULTANT)

ADJUSTABLE LIGHT FIXTURE

STAINLESS STEEL WIRE MESH GUARDRAIL

ADJUSTABLE LIGHT FIXTURE

SIGNAGE (TBD WITH CONSULTANT)

KITCHEN SERVICE ENTRANCE

PREVIOUS DESIGN

CONNECTION FOR FLOOD PROTECTION SYSTEM

REMOVABLE PLANTER TO SEPARATE USES

MAINTENANCE GARAGE

BPCA ENTRANCE

CONNECTION FOR FLOOD PROTECTION SYSTEM

FLUSH STONE AND PAINTED STEEL FACADE SYSTEMS

SIGNAGE (TBD WITH CONSULTANT)

ADJUSTABLE LIGHT FIXTURE

STAINLESS STEEL WIRE MESH GUARDRAIL

ADJUSTABLE LIGHT FIXTURE

SIGNAGE (TBD WITH CONSULTANT)
Minimalist look of the dark stone cladding and flush detailing undesirable and cold

Service entrance is too big

X-tend mesh guardrail undesirable

Soften the look and feel of the entry areas through the use of finishes and added vegetation in a manner that is still compatible with the design of the pavilion overhead.
PAVILION SERVICE ENTRANCE | FINAL DESIGN

- **PLANTER**
  - JET MIST THERMAL

- **WALL**
  - CUSTOM WARM RED CONCRETE TO MATCH PAVILION

- **DOORS**
  - CUSTOM WARM RED PAINTED METAL PANEL DOOR

- **GUARDRAIL**
  - STAINLESS STEEL PICKET
PAVILION SERVICE ENTRANCE | FINAL DESIGN

1. UPDATED FROM XTEND MESH TO STAINLESS STEEL PICKET
2. UPDATED FROM JET MIST STONE TO CUSTOM COLOR WARM RED CONCRETE TO MATCH PAVILION
3. POINT OF WALL SHIFTED SOUTH EAST
4. DOORS SPLIT TO FALL ON EACH SIDE OF WALL AND PAINTED TO MATCH CONCRETE AND PAVILION
5. PERFORATED PANELS ADDED TO MATCH PAVILION
6. PLANTER ADDED TO TOP OF WALL AT PLAZA LEVEL
THANK YOU
APPENDIX