SOUTH BATTERY PARK CITY RESILIENCY

COMMUNITY ENGAGEMENT PUBLIC MEETING #3

June 24, 2019



AGENDA

Kick Off – Heather Morgan (AECOM)

Wagner Park Conceptual Designs

Landscape Architecture – Gonzalo Cruz (AECOM)

Civil Design – Matt Jones (MKA)

Architecture – Tom Phifer and Gabriel Smith (Thomas Phifer & Partners)

Wagner Park Q&A from 6:45 – 7:15

Museum of Jewish Heritage Conceptual Designs

Structural Engineering – Louis Diaz (AECOM)

Pier A Plaza Conceptual Designs

Landscape Architecture – Gonzalo Cruz (AECOM)

Battery Park Bike Segment Conceptual Designs

Landscape Architecture - Gonzalo Cruz (AECOM)

Overall Q&A from 7:45 - 8:15



YOUR TEAM | PRESENTERS



PRESENTER

HEATHER MORGAN, RLA
AECOM
PROJECT MANAGER



PRESENTER

GONZALO CRUZ
AECOM

LANDSCAPE
ARCHITECTURE + URBAN
DESIGN



PRESENTER

MATT JONES

MAGNUSSON KLEMENCIC

ASSOCIATES

CIVIL ENGINEERING



PRESENTER

GABRIEL SMITH
THOMAS PHIFER &
PARTNERS
ARCHITECTURE



THOMAS PHIFER THOMAS PHIFER & PARTNERS
ARCHITECTURE

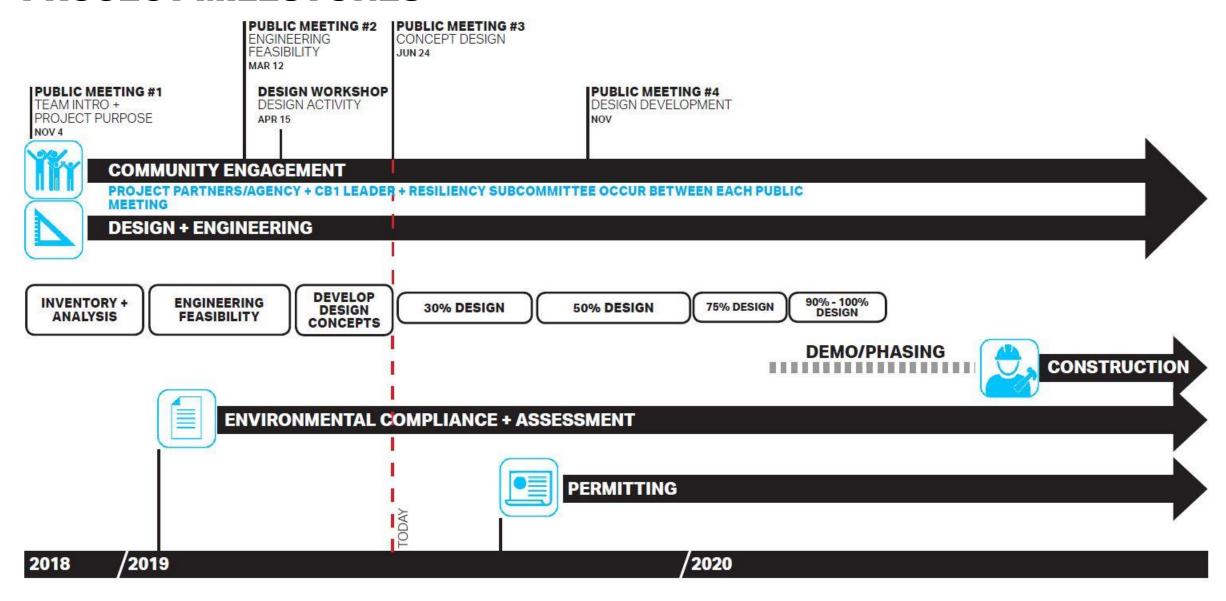
PRESENTER



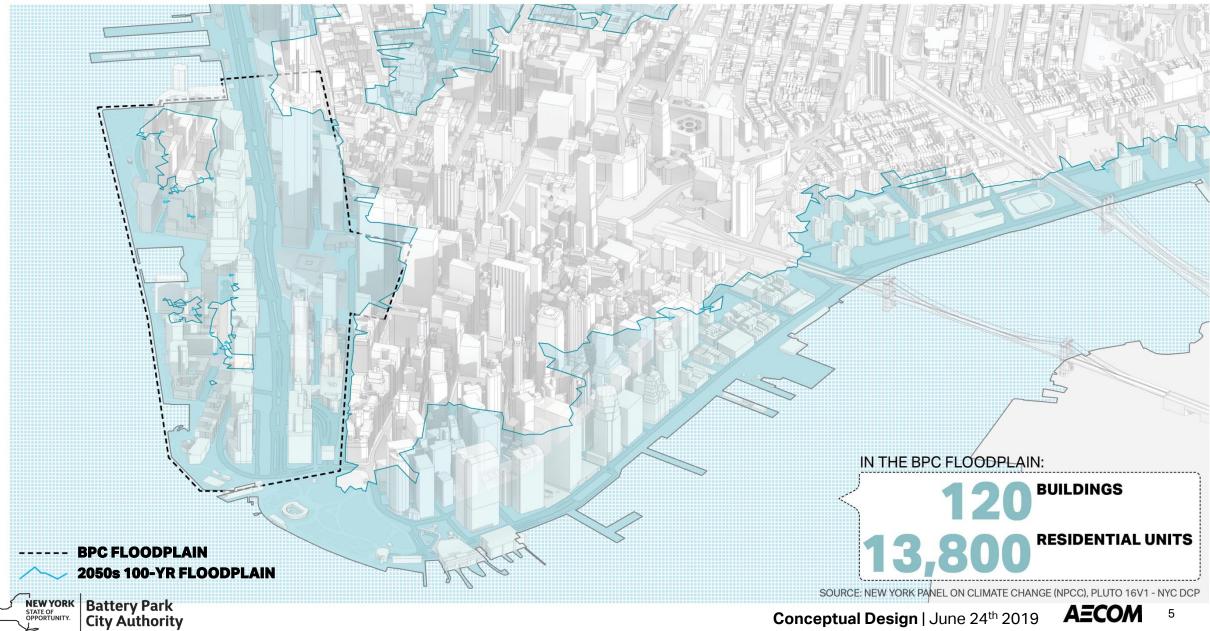
PRESENTER

LOUIS DIAZ
AECOM
STRUCTURAL ENGINEERING

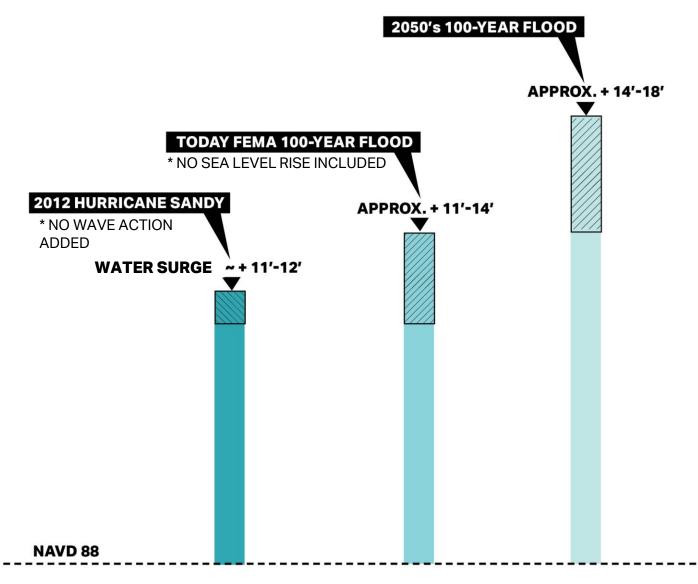
PROJECT MILESTONES



2050s 100-YEAR STORM



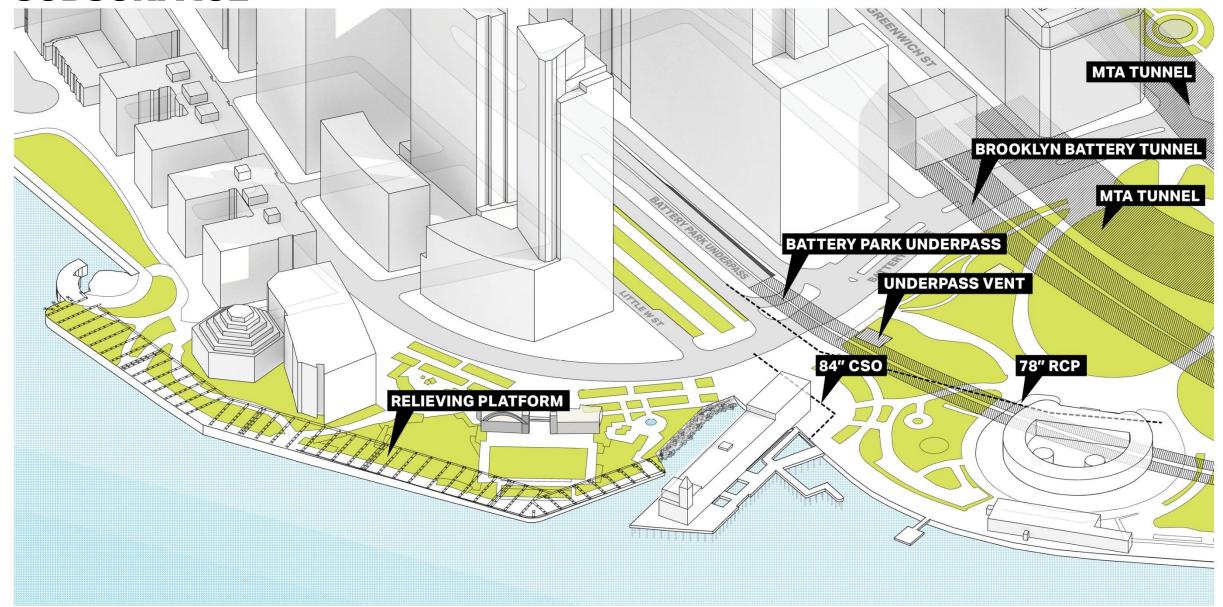
DESIGN FLOOD ELEVATION (DFE) COMPARISON





SUBSURFACE

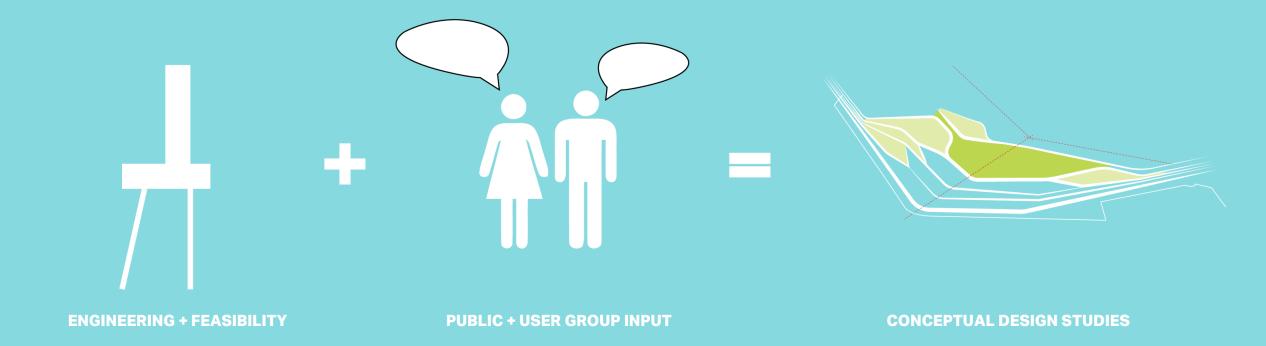
Battery Park City Authority



HOW WE GOT HERE

- Resiliency is the driver
- Balance of Decisions (this continues)
- Engineering Feasibility / Preferred Alignment Location
- Priority Programming and Design Excellence follow
- Design Legacy Maintained
- Sustainability
- Determination of existing pavilion

CONCEPTUAL DESIGN PROCESS

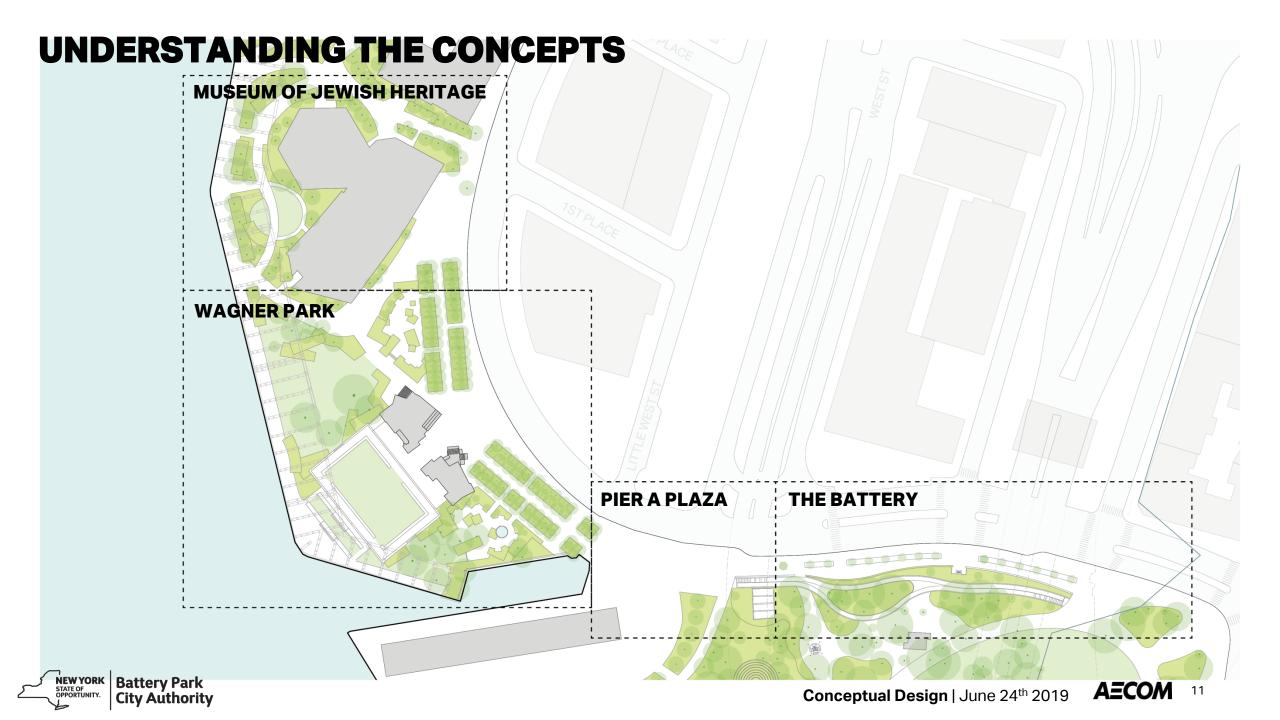


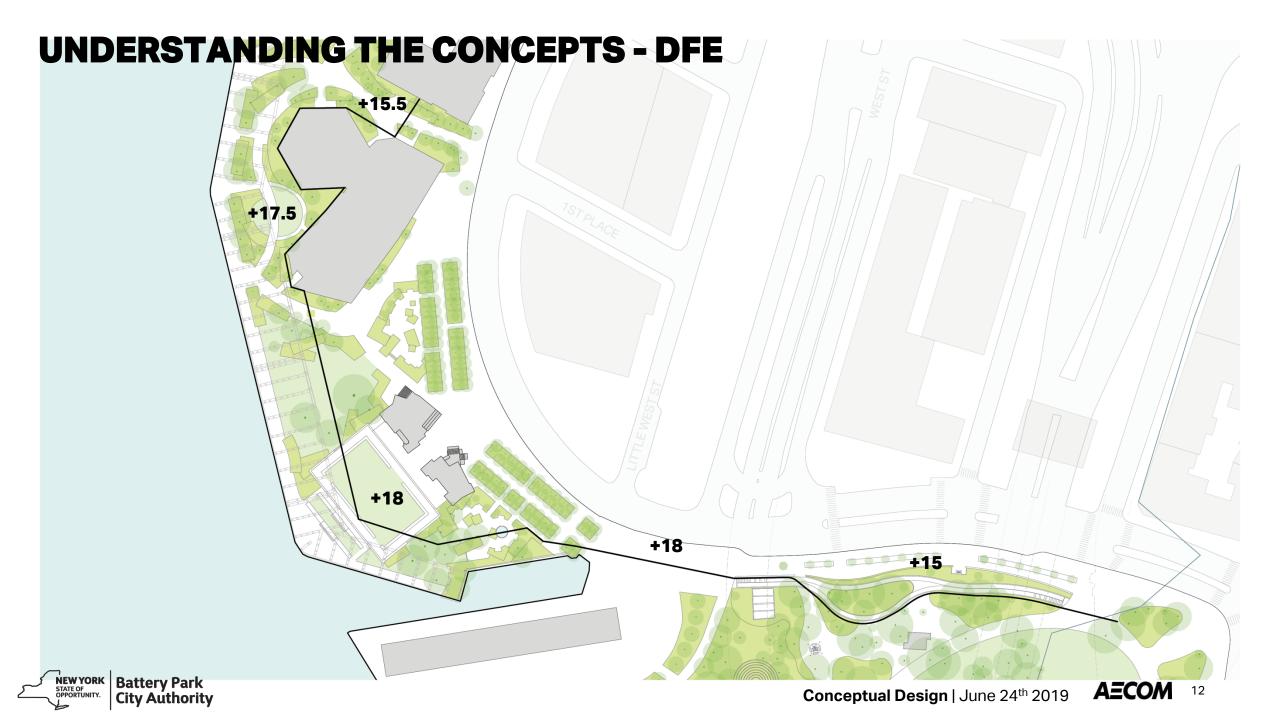


UNDERSTANDING THE CONCEPTS (all has to fit...)

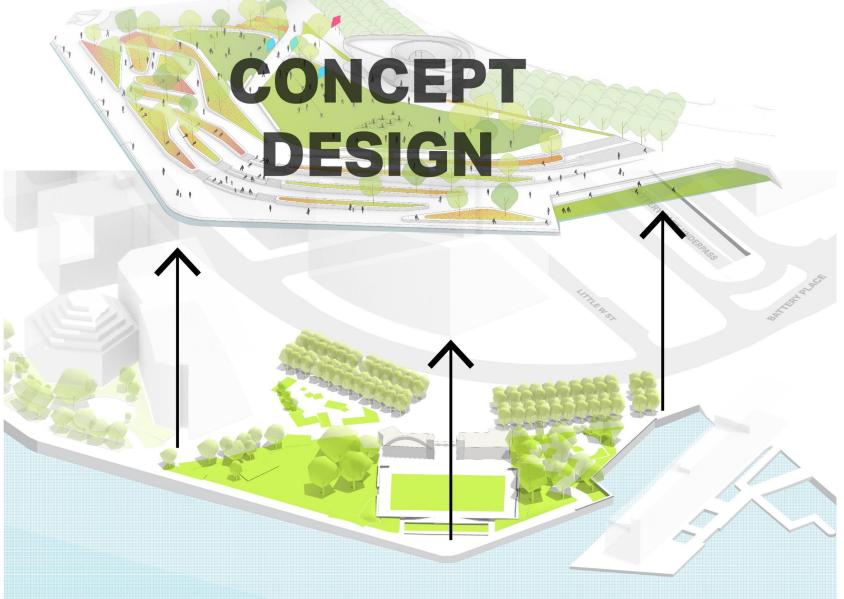
- Raising the contours to meet DFEs and HOIs
- Retaining Preferred Alignment Location
 - 1) Effective
 - 2) Passive
 - 3) Deployables where only necessary
- New Building Location = Pushed back to maximize park space
- Retaining Current Priority Programming
- Fitting Future Priority Programming
- Maintaining Design Legacy
- Design Excellence
- Sustainability
 - a) Low carbon, water & energy conservation, enhanced ecological habitats
 - b) Exploring High Performance Certs: LEED, Living Building Challenge, SITES and WEDG
- Universal Access





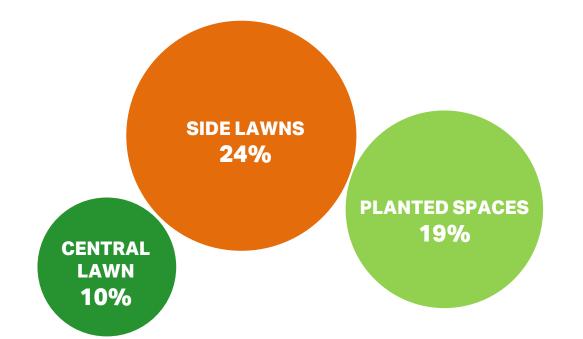


UNDERSTANDING THE CONCEPTS

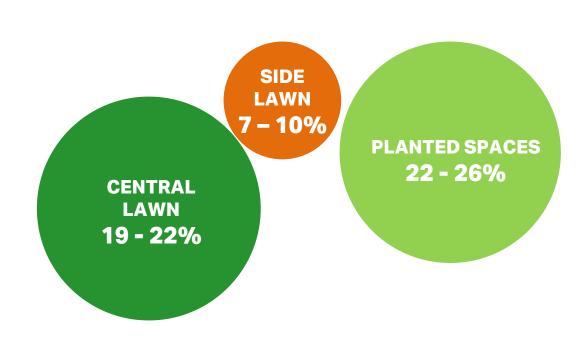


UNDERSTANDING THE FOOTPRINT

EXISTING WAGNER PARK



PROPOSED WAGNER PARK



EXISTING AND PROPOSED WAGNER PARK HARDSCAPE REMAINS APPROXIMATELY THE SAME (50%)

WAGNER PARK

MUSEUM OF JEWISH HERITAGE

PIER A

THE BATTERY



WAGNER PARK



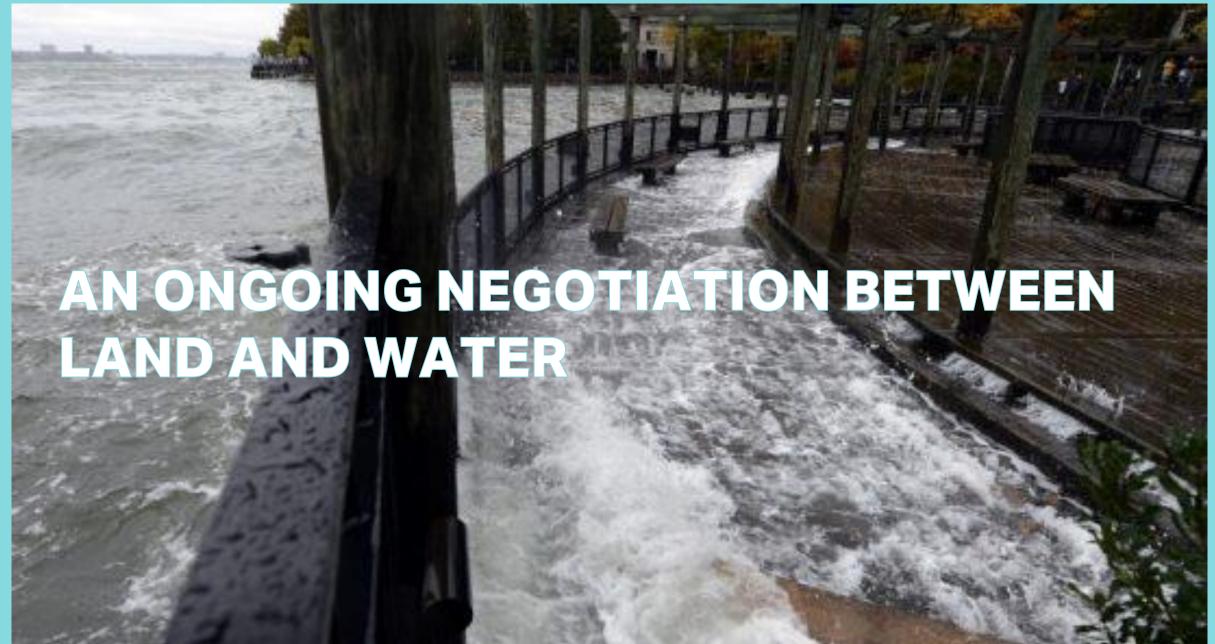


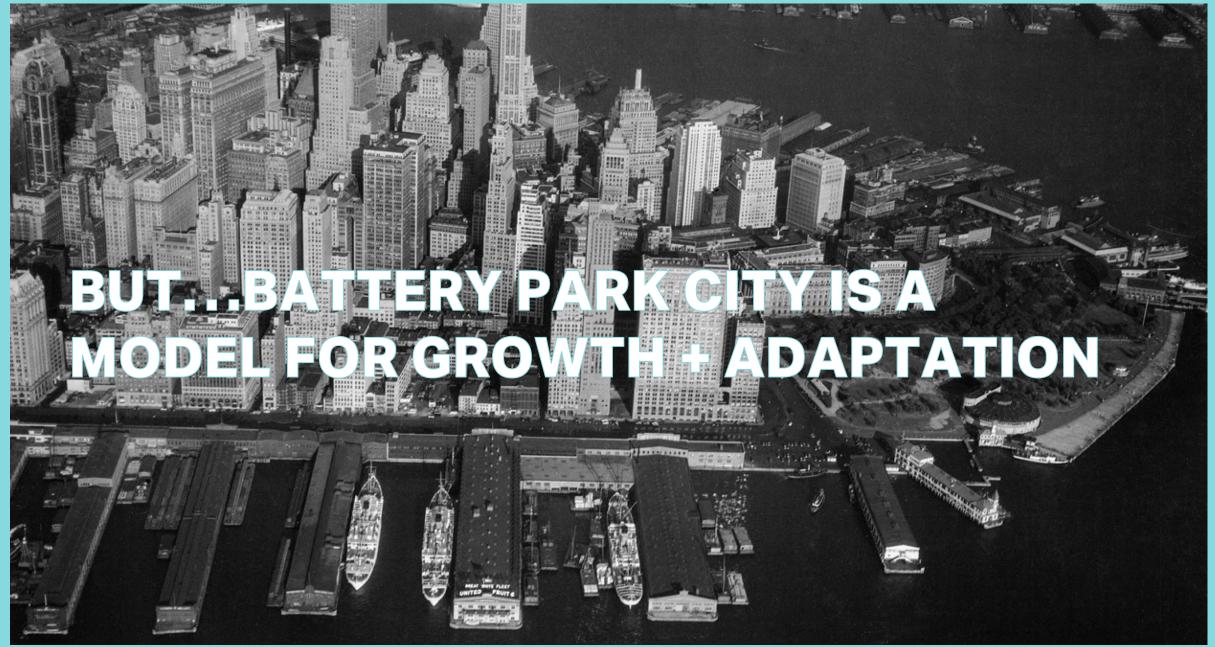


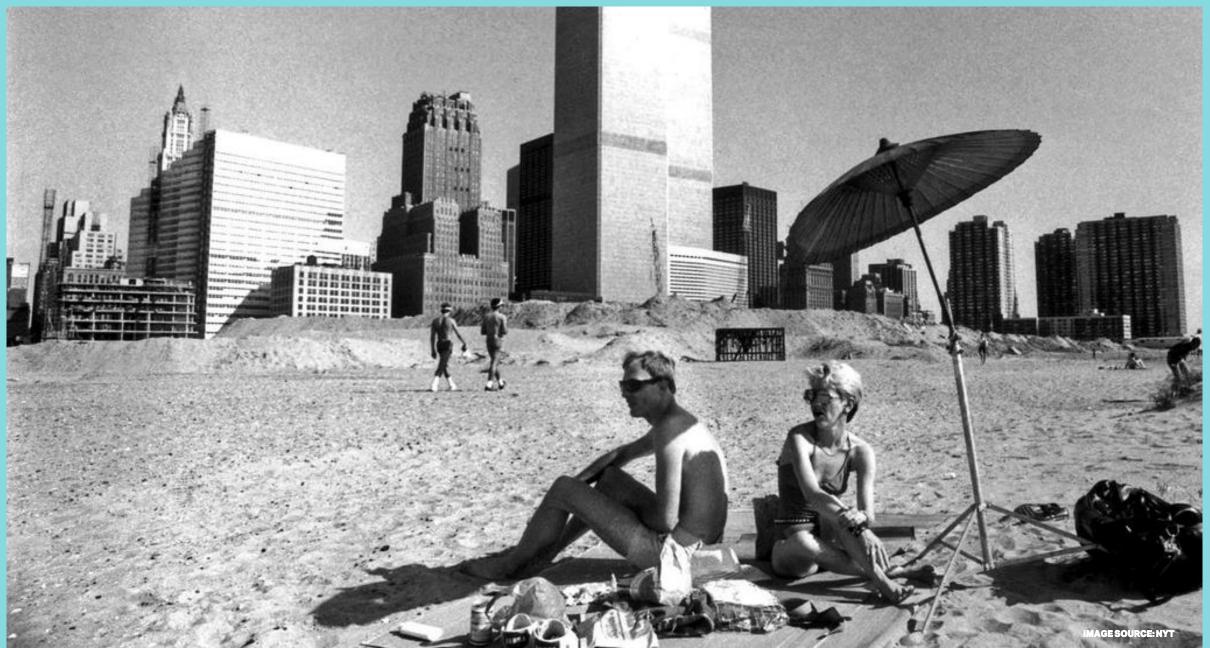


OUR CHALLENGE...

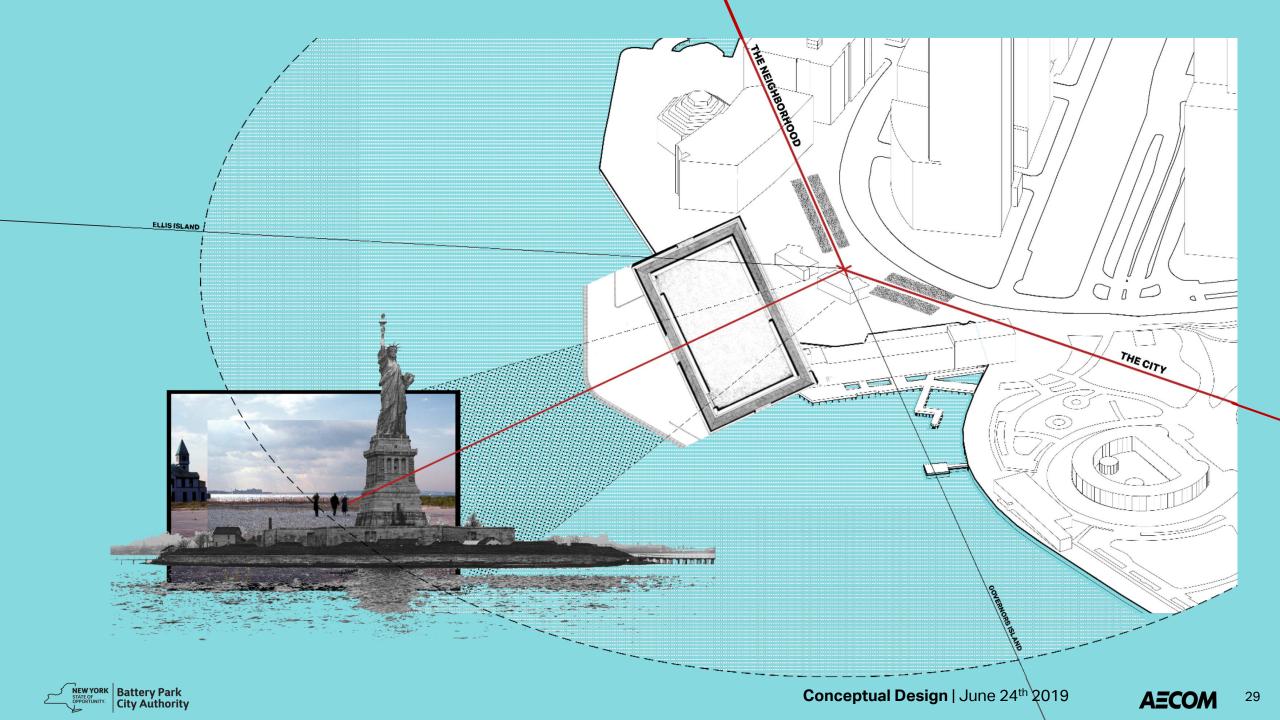














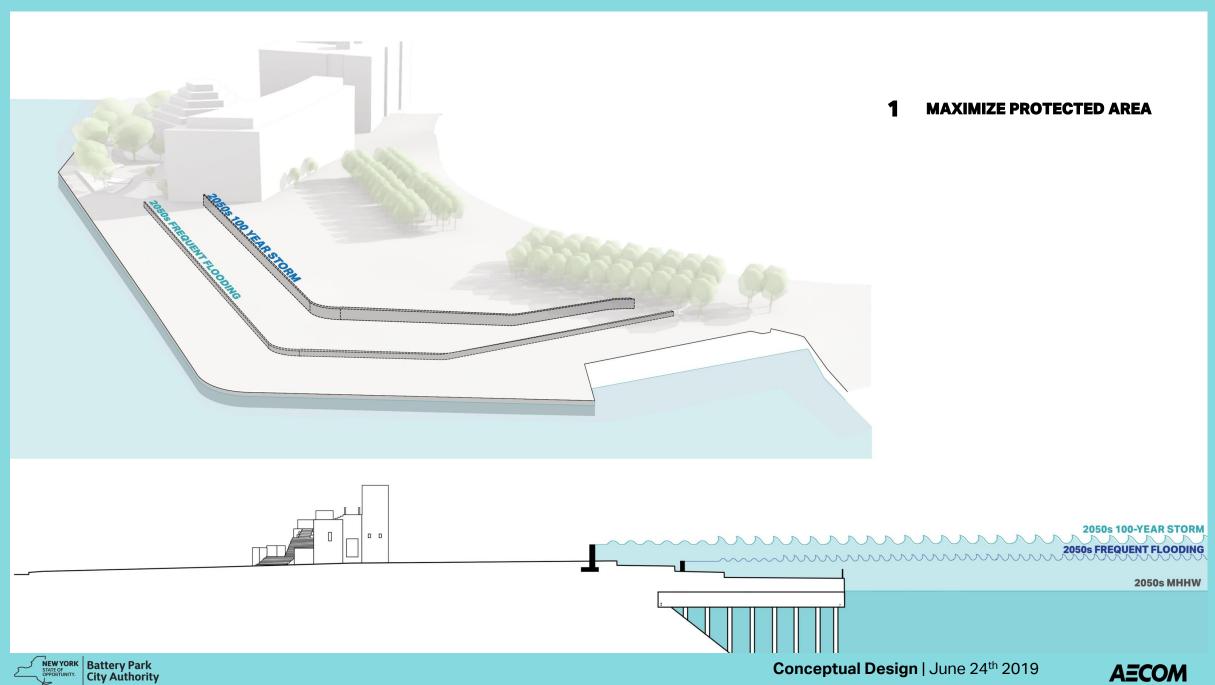


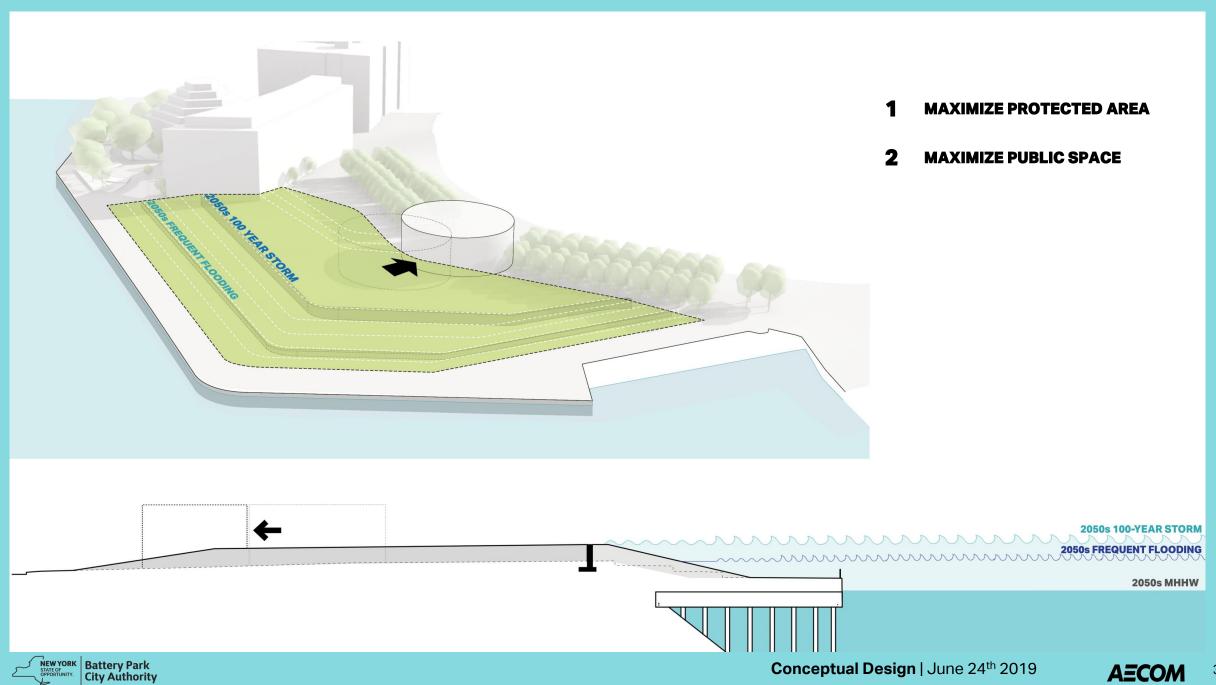


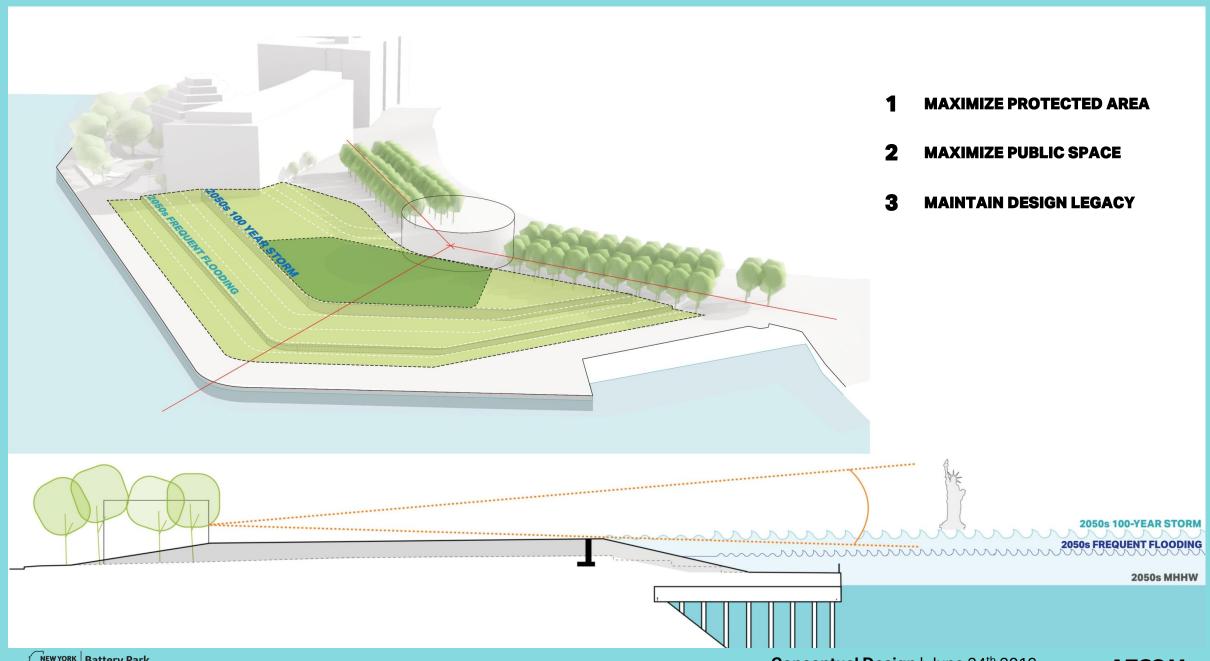


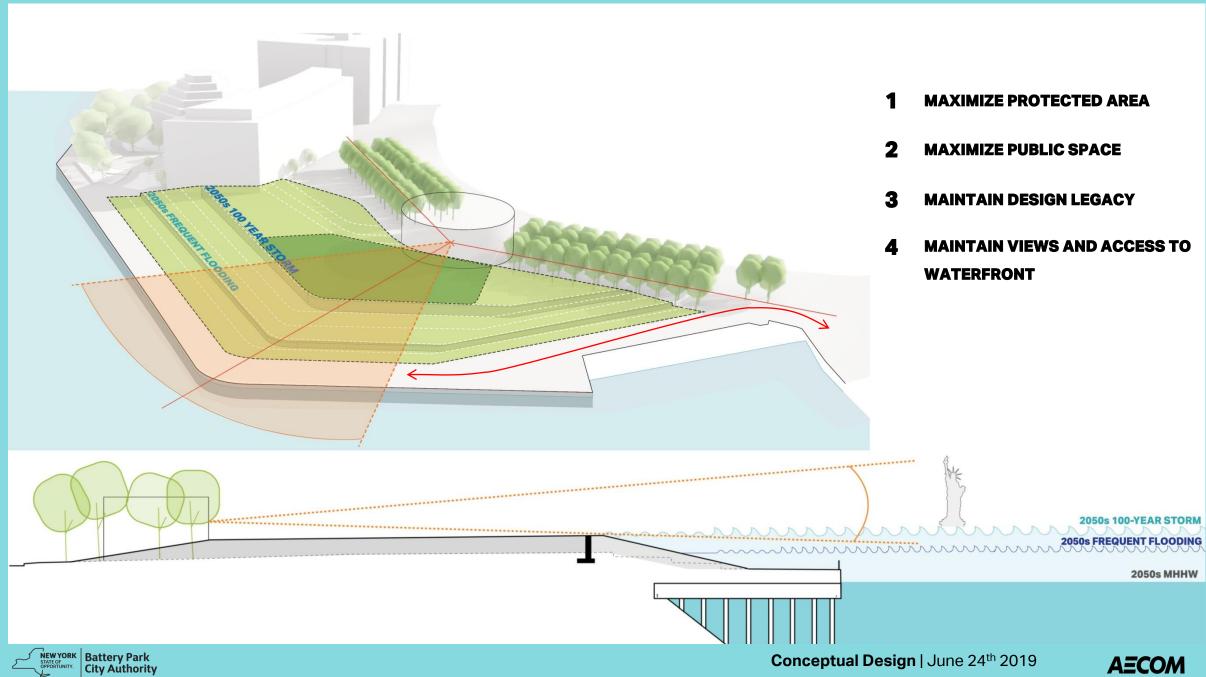
5 KEY DESIGN PRINCIPLES:

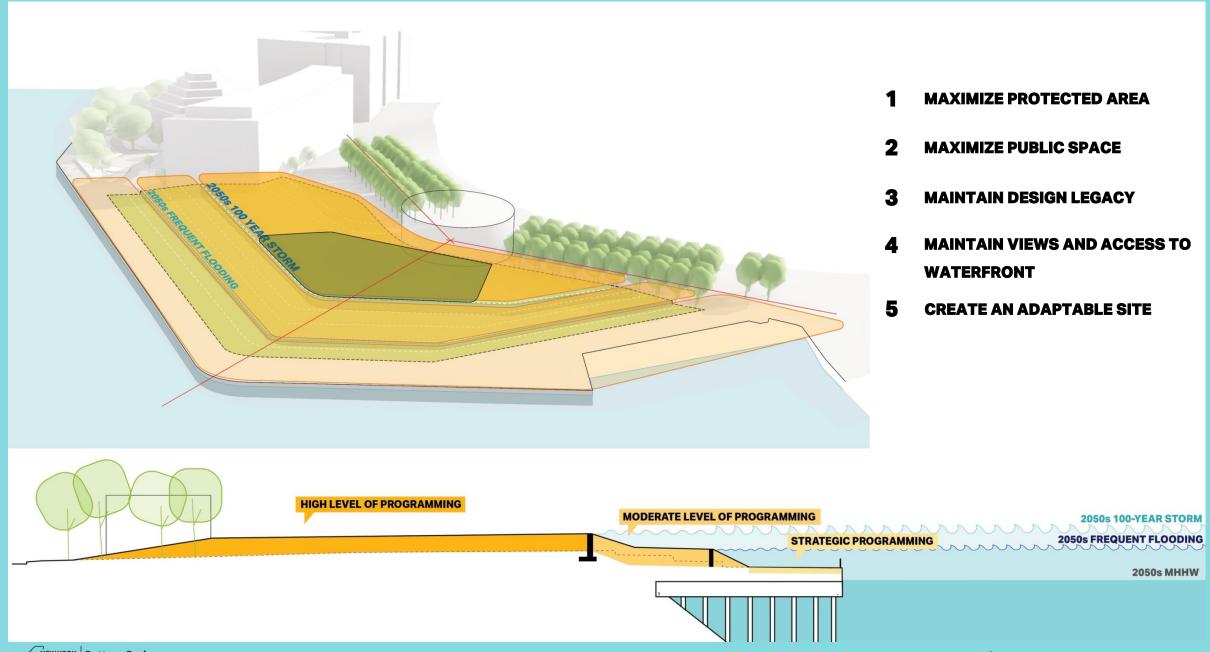
- 1. MAXIMIZE PROTECTED AREA
- 2. MAXIMIZE PUBLIC SPACE
- 3. MAINTAIN DESIGN LEGACY
- 4. MAINTAIN VIEWS AND ACCESS TO WATERFRONT
- 5. CREATE AN ADAPTABLE SITE

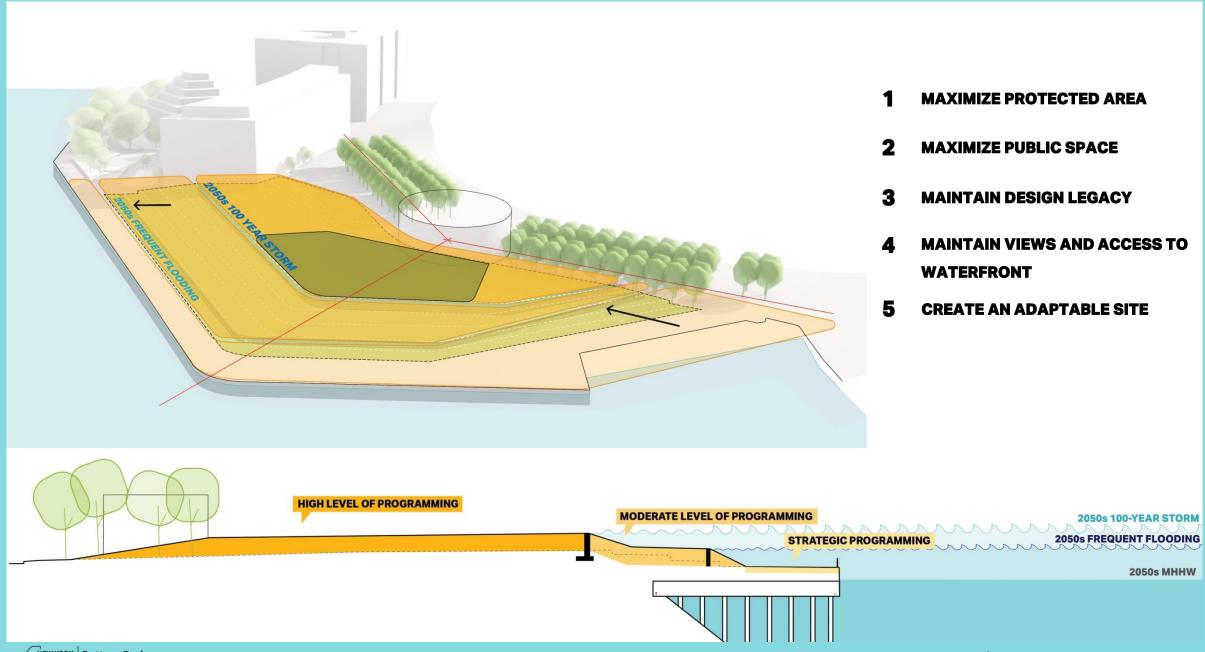


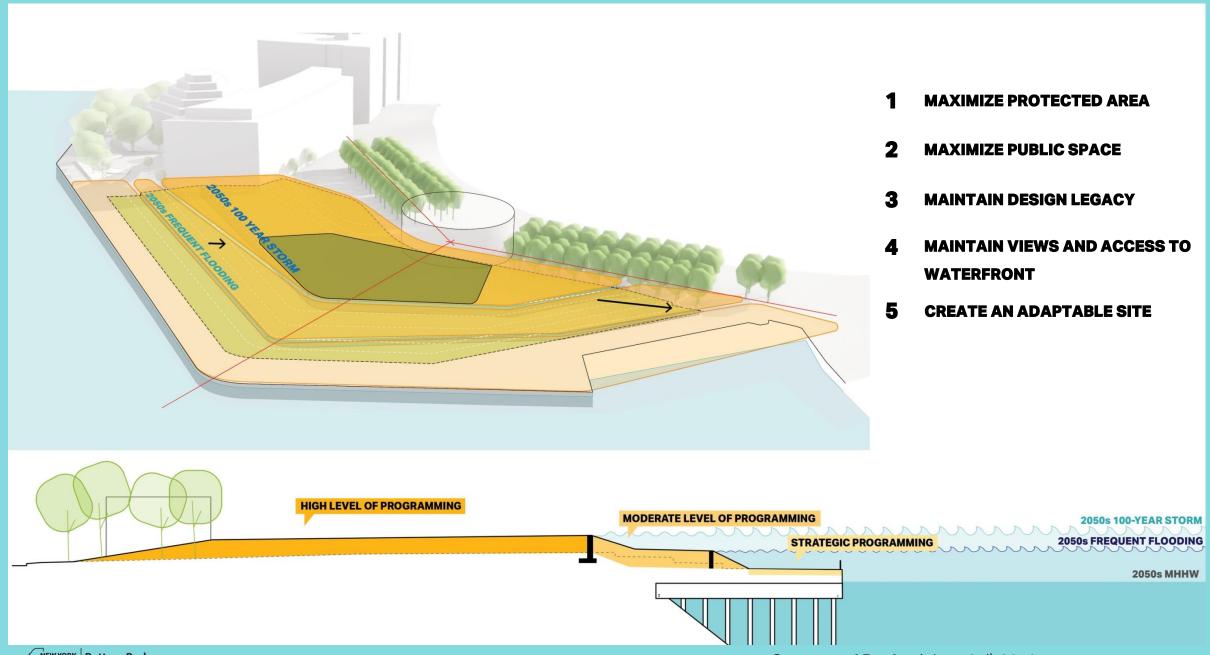












PUBLIC ENGAGEMENT



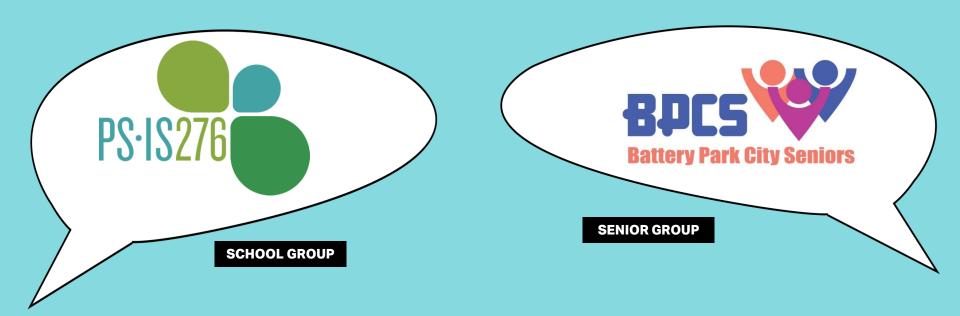


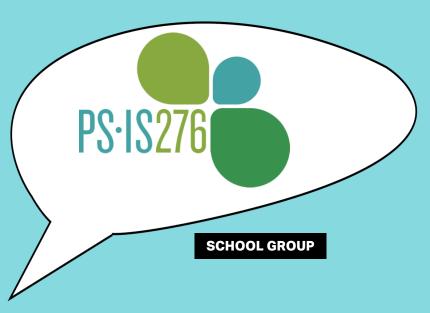


PART 3: HOW DO YOU ENVISION THE FUTURE EVOLUTION OF WAGNER PARK?

OPEN SPACE / LAWN HOW WOULD YOU WANT TO USE THE LAWN? ACTIVE RECREATION	PART 3: HOW DO YOU ENVISION 1	THE FUTURE EVOLUTION	ON OF WAGNER PARK?	
COMMUNITY EVENTS / GROUP ACTIVITIES FAMILY / FRIEND GATHERING LOUNGING SHADED SPACE	OPEN SPACE / LAWN HOW WOULD YOU WANT TO USE THE LAWN? ACTIVE RECREATION COMMUNITY EVENTS / GROUP ACTIVITIES	PART 2: HOW DO YOU USE/EX CURRENTLY? PARK USES	(PERIENCE WAGNER PAR	1. This sheet asks what park uses you currently enjoy at Wagner Park. 2. For each category, check the boxes for any use that you currently enjoy. 3. You may also type / write-in any uses that have not been listed in the "Other" option.
AMPHITHEATER SEATING FLEXIBLE PLAZA SPACE PLANTED SPACES OTHER	FAMILY / FRIEND GATHERING LOUNGING SHADED SPACE AMPHITHEATER SEATING FLEXIBLE PLAZA SPACE	RUNE	ACTIVIT	
INSTRUCTIONS	PLANTED SPACES OTHER	GARDENS PEACE & QUIET EDUCATION	PAVILION III DINING RESTROOMS	LAWN LOUNGING / SUNBATHING PEOPLE WATCHING
This sheet asks questions about how you under consideration in Wagner Park For each category in this segment, a seri much you value each feature or use, with and L for least value. You may also write-in ideas for other use:	INSTRUCTIONS 1. This sheet asks questions about how you would like to use the	SENSORY EXPERIENCE READING ALL OF THE ABOVE	PERFORMANCE SEATING ALL OF THE ABOVE	COMMUNITY EVENTS FAMILY / FRIEND GATHERING CHILDREN'S PLAY
New york Sattery Park City Authority	under consideration in Wagner Park. 2. For each category in this segment, a series of uses is provided much you value each feature or use, with H for highest value, and L for least value. 3. You may also write-in ideas for other uses in the "Other" option MRWYORK Battery Park City Authority	OTHER	OTHER	ACTIVE RECREATION PUBLIC ART (EYES, APE & CAT) ALL OF THE ABOVE OTHER
	A	NEW YORK Sorrow City Authority		A≡COM ³

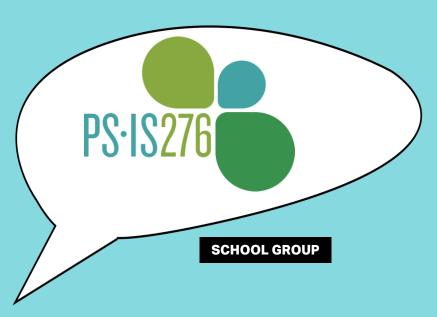


















BPCA USER GROUPS

VIEWS

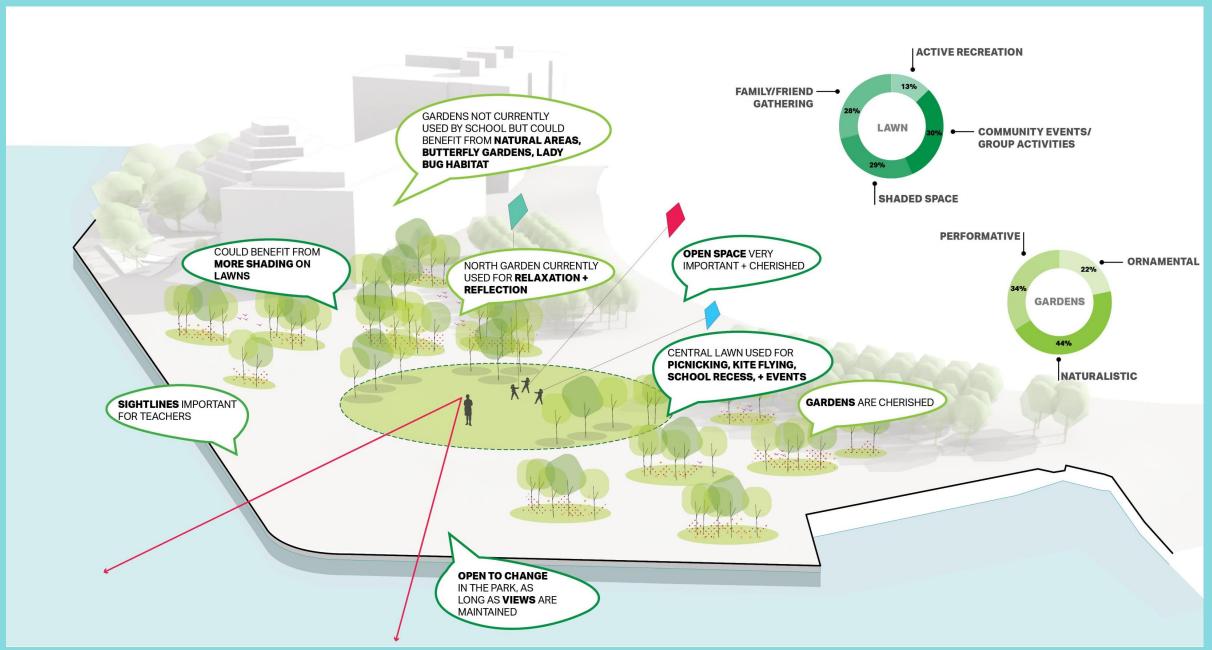
AN ACCESSIBLE SITE

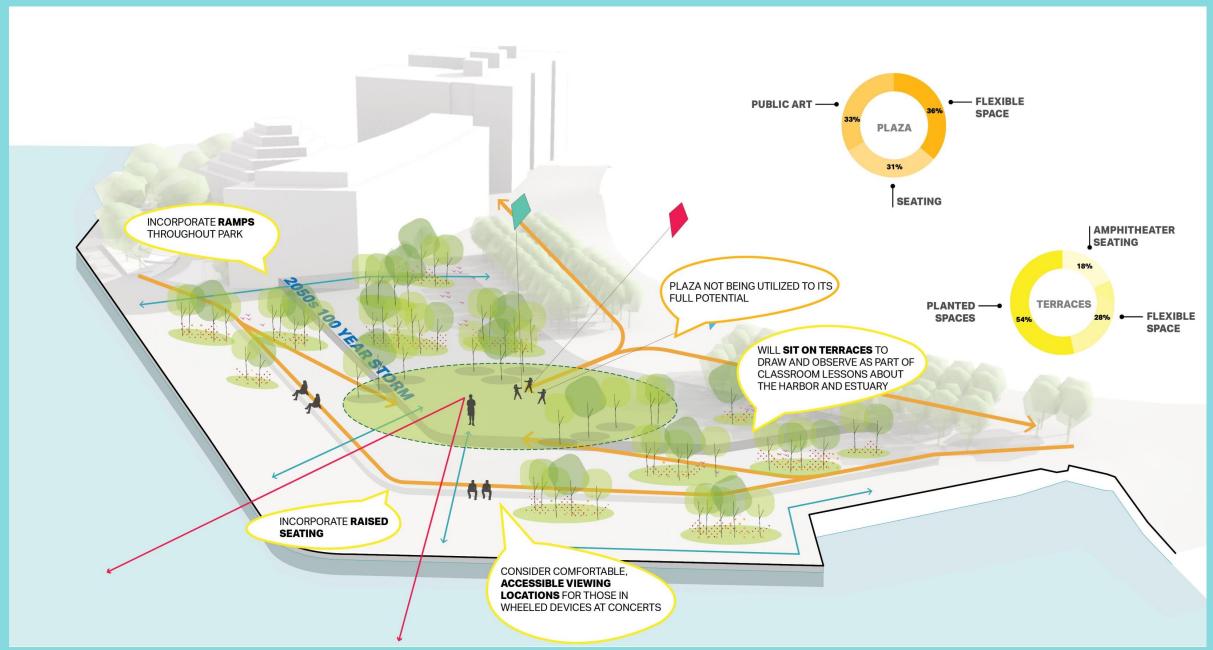
FLEXIBILITY

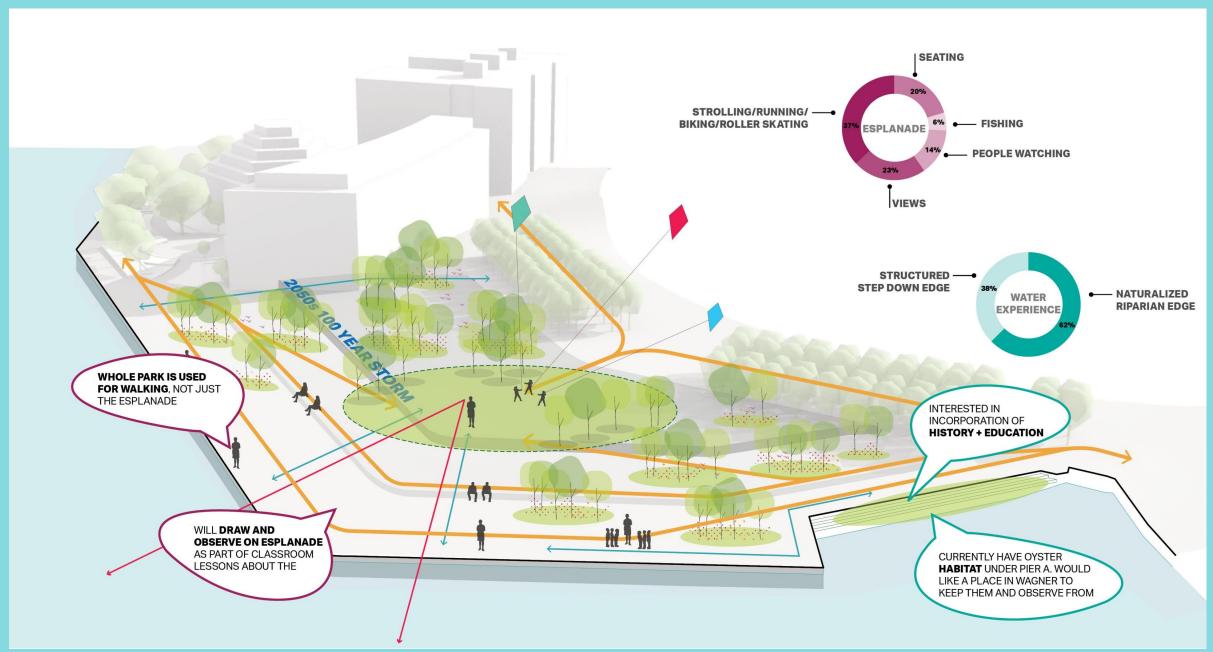
OPEN LAWN

COMMUNITY EVENT SPACE

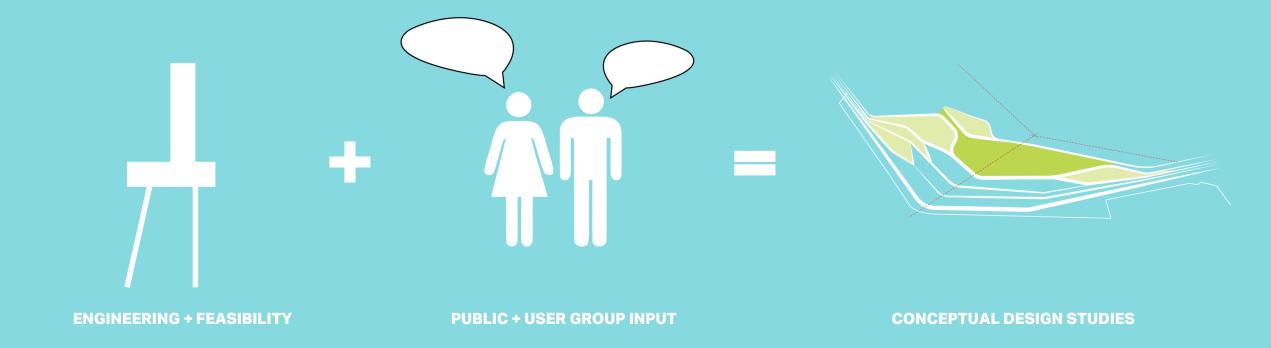
VEGETATION + QUIET SPACES





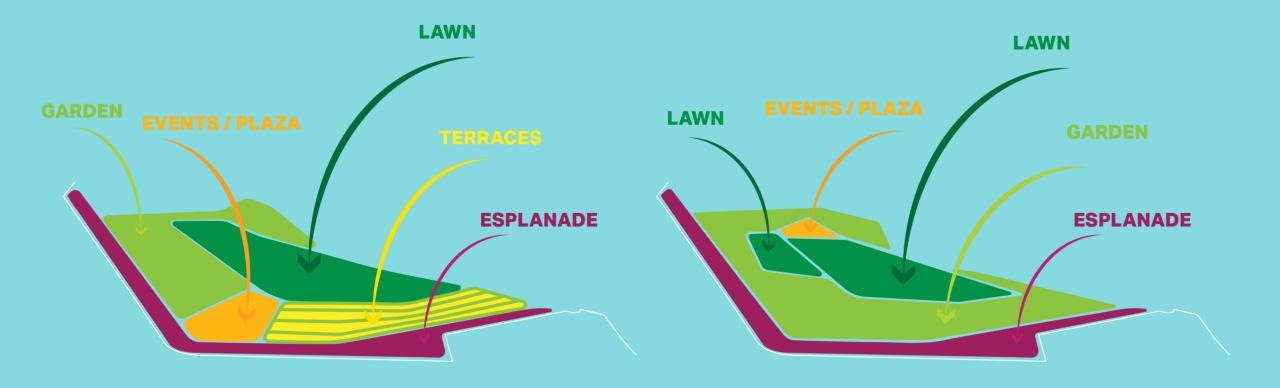


CONCEPTUAL DESIGN PROCESS





CONCEPTUAL DESIGN ALTERNATIVES



TERRACES SCHEME

ARCHIPELAGO SCHEME

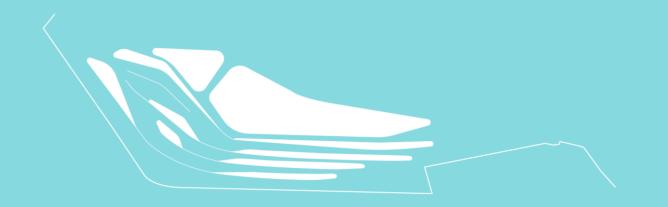
CONCEPTUAL DESIGN ALTERNATIVES

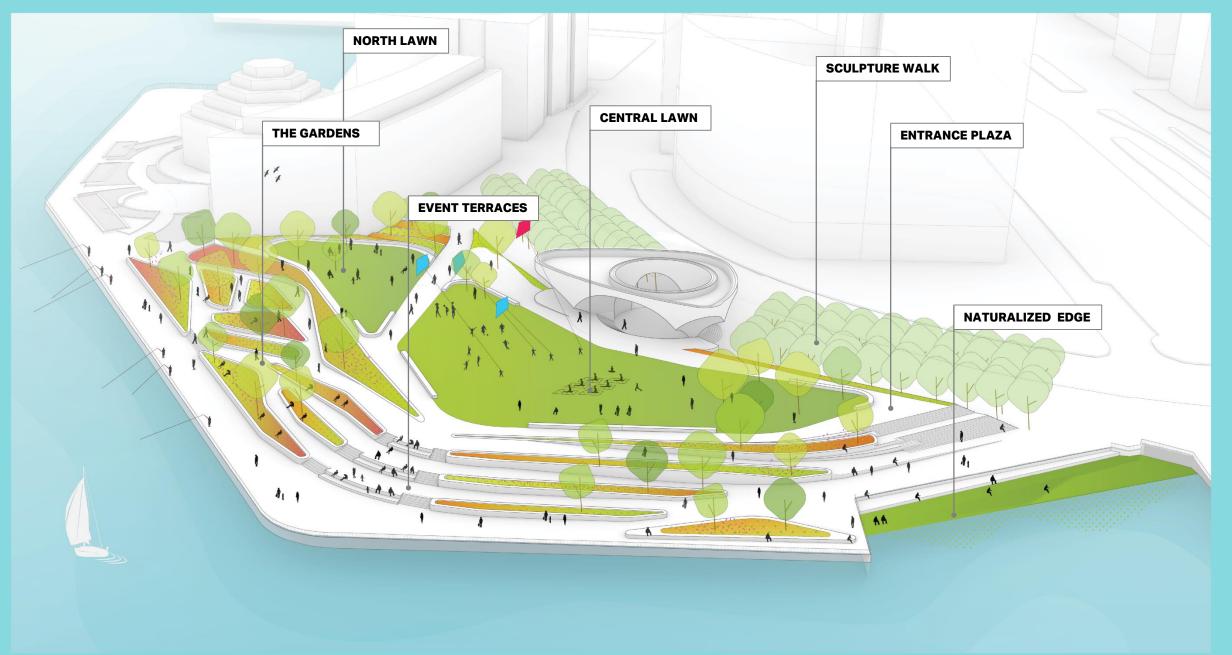


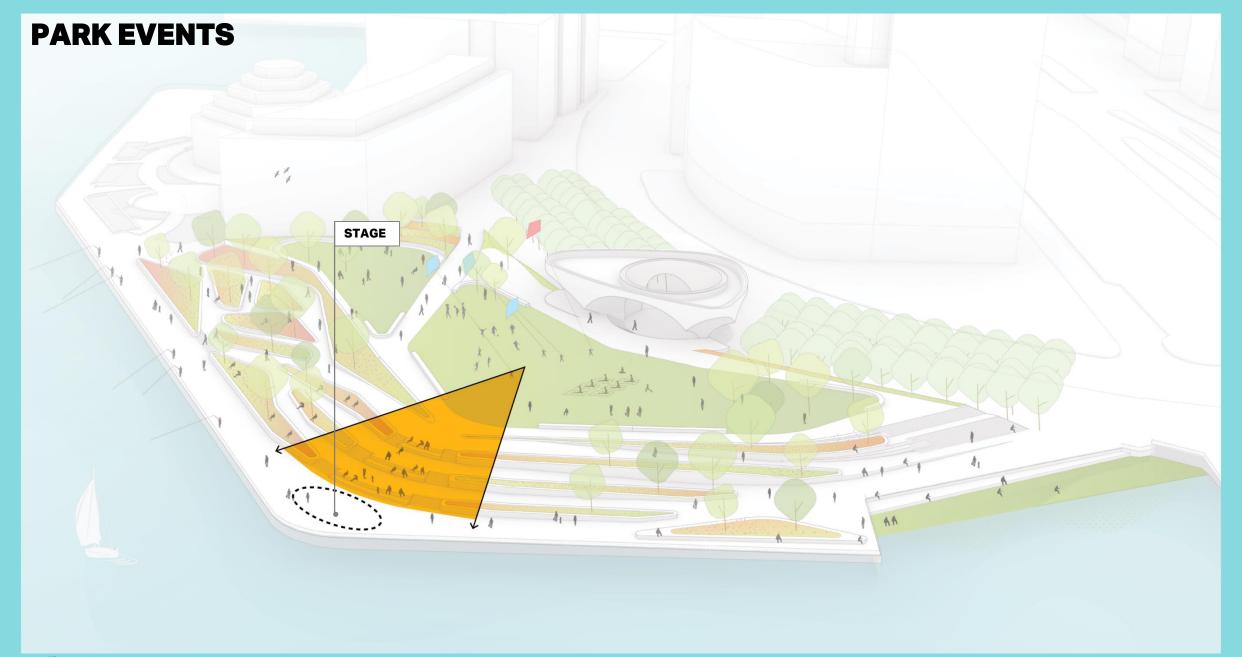
TERRACES SCHEME

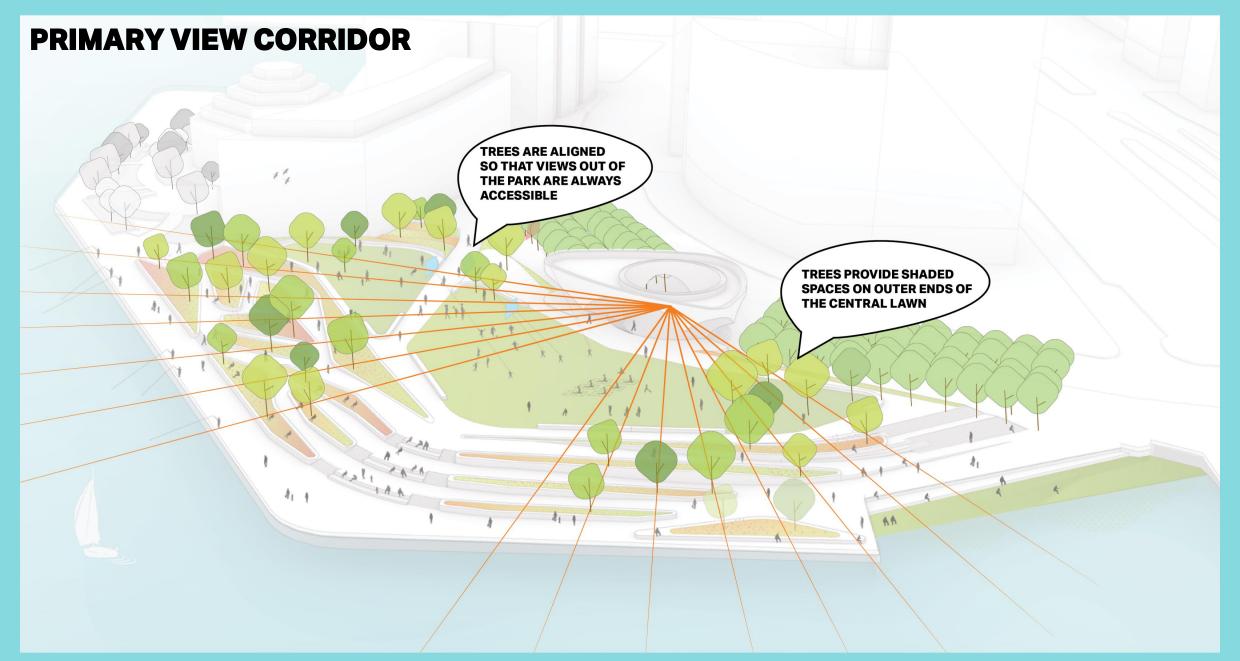
ARCHIPELAGO SCHEME

TERRACES SCHEME























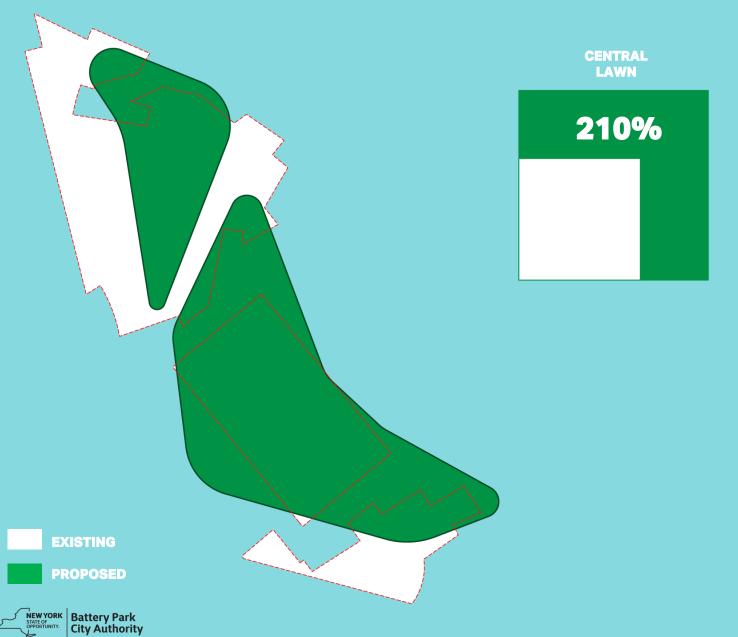


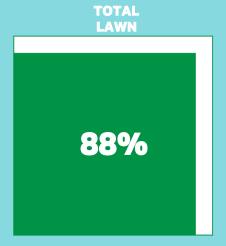






DESIGN STUDY 1 | SIZE COMPARISON





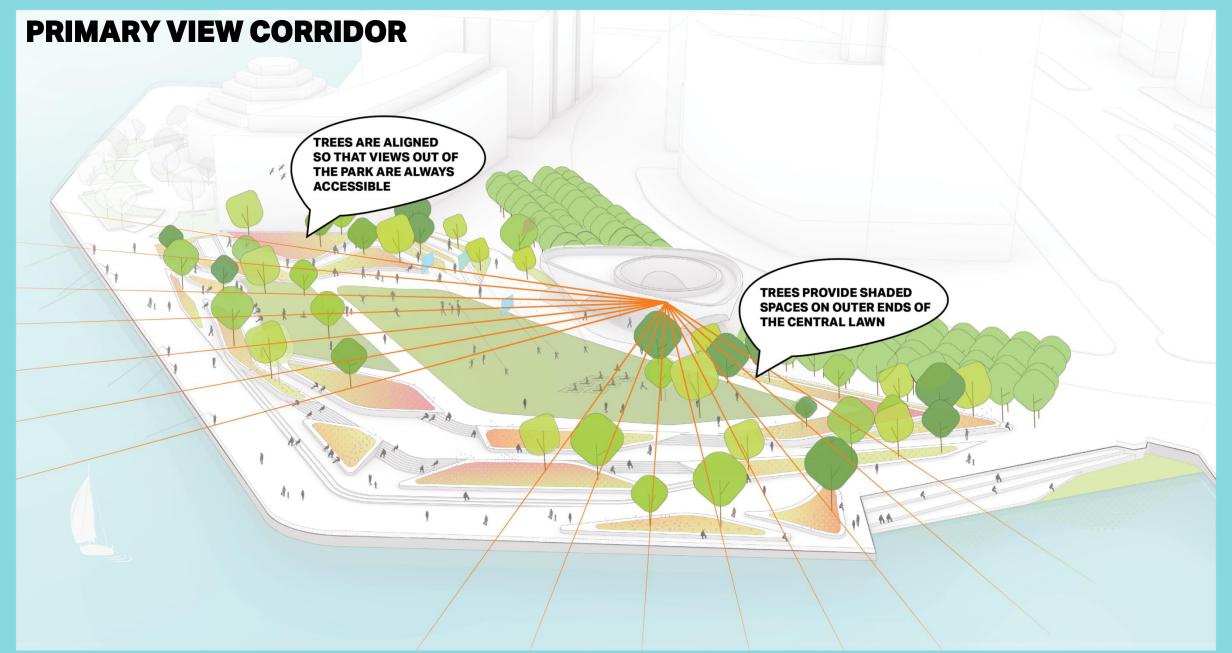
ARCHIPELAGO SCHEME

























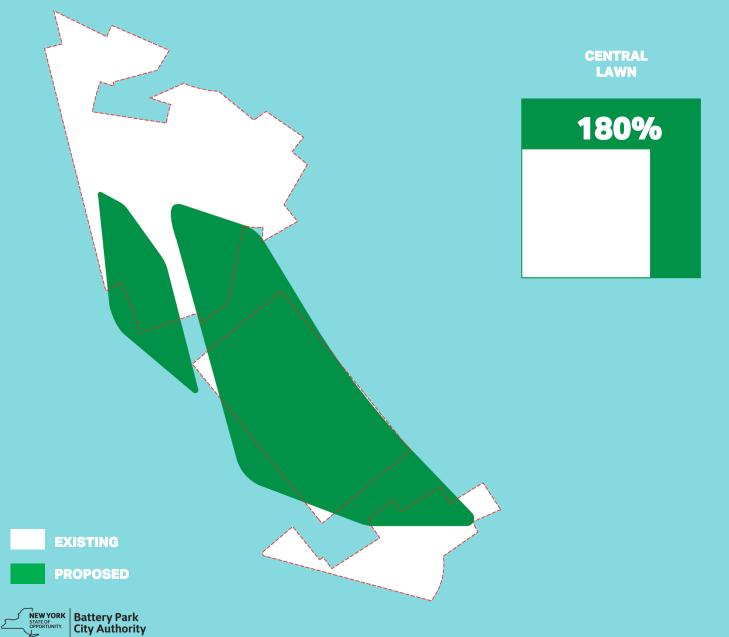


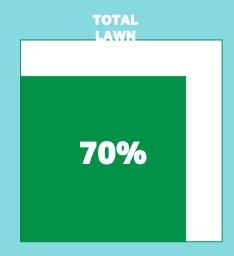






DESIGN STUDY 1 | SIZE COMPARISON





CONCEPTUAL DESIGN ALTERNATIVES

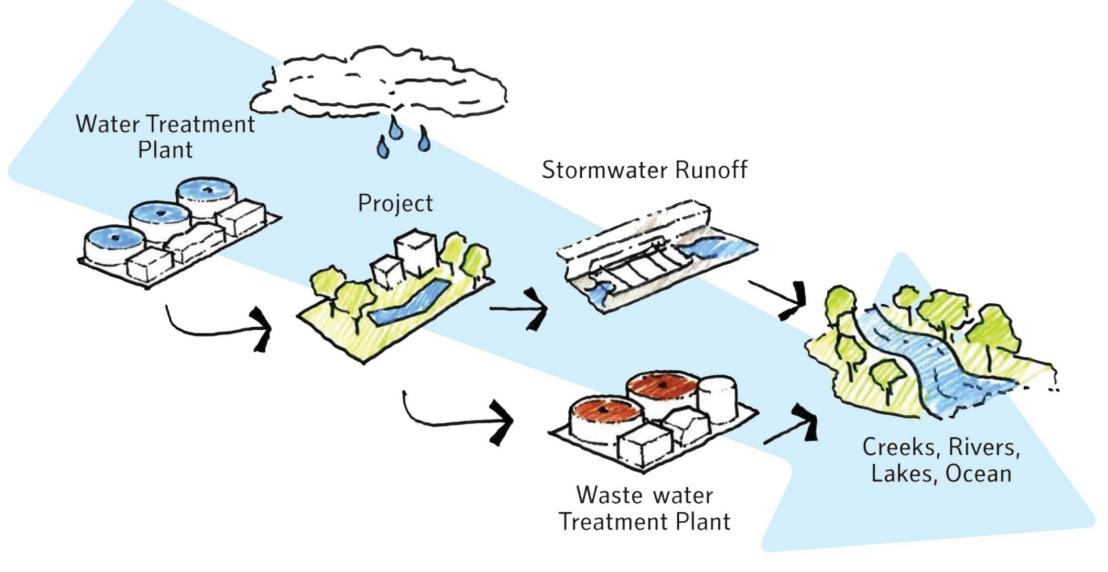




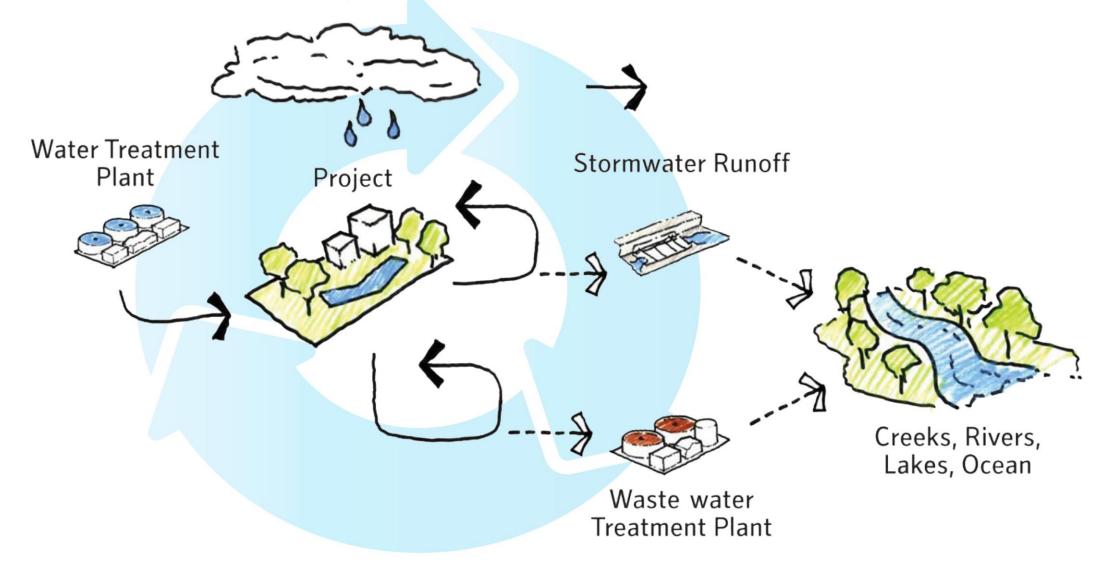
TERRACES SCHEME

ARCHIPELAGO SCHEME

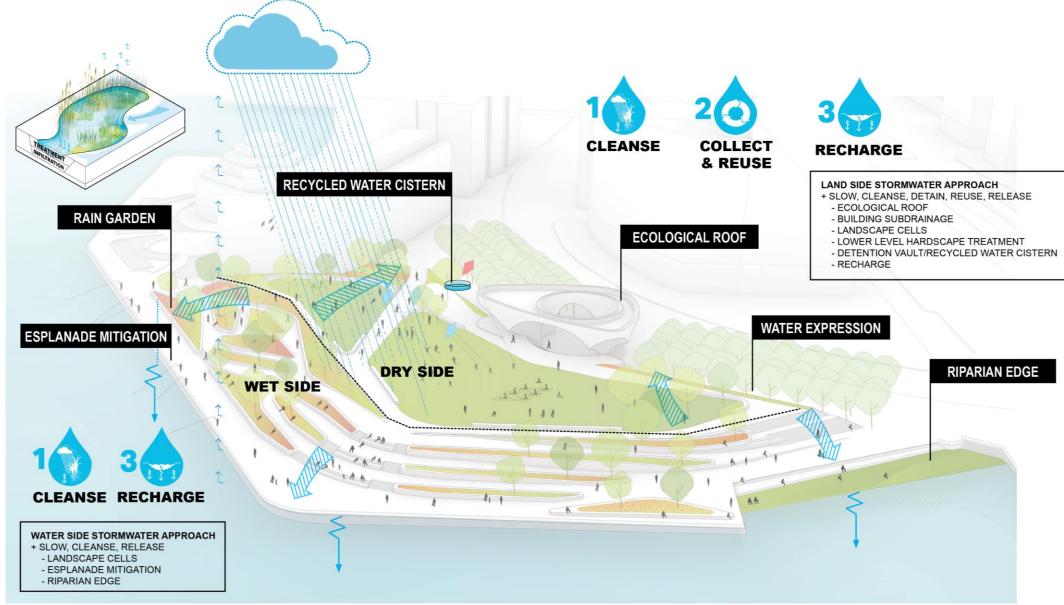
OLD WATER PARADIGM



NEW WATER PARADIGM



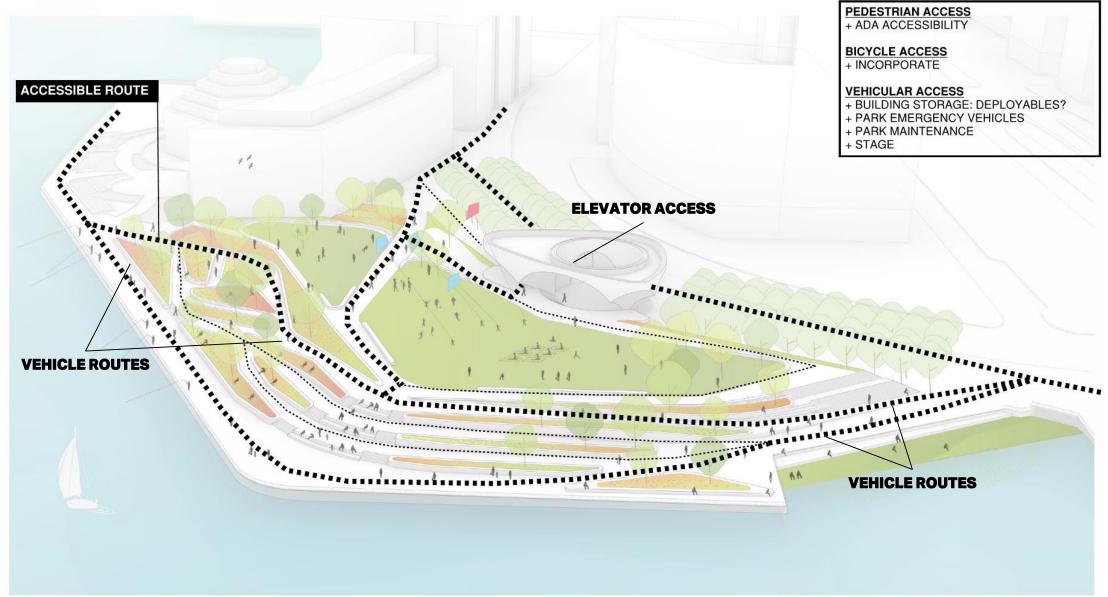
PRELIMINARY STORMWATER MANAGEMENT APPROACH



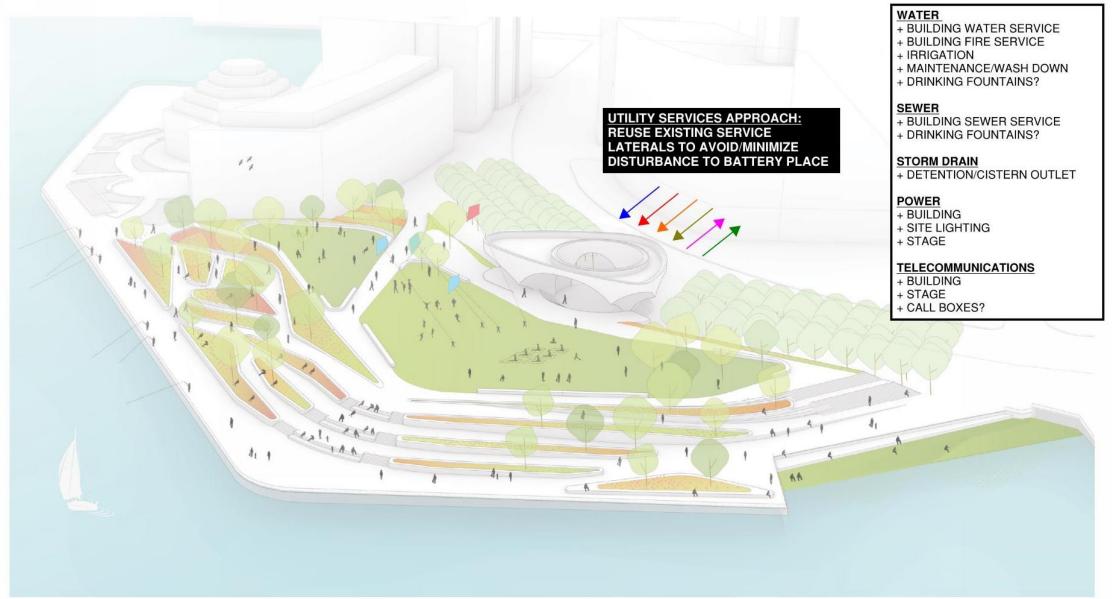
Battery Park

City Authority

ACCESS CONSIDERATIONS



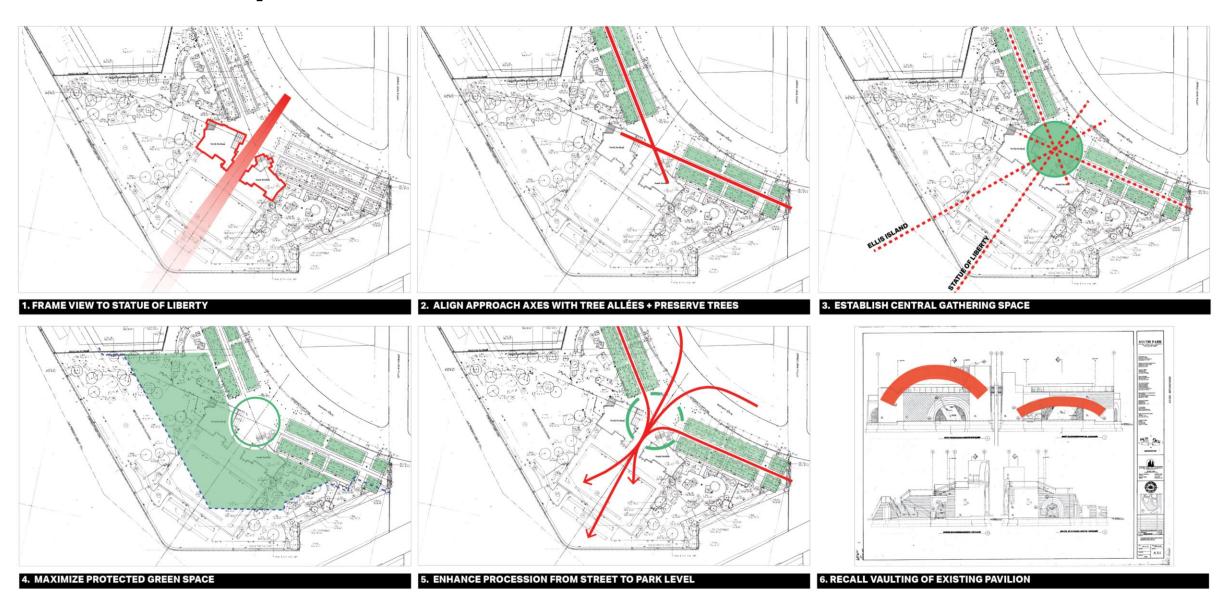
UTILITY PROVISIONING



PAVILION STUDIES



DESIGN LEGACY | CORE VALUES





SUSTAINABLE DESIGN | PAVILION BUILDING

PRINCIPAL TARGET AREAS FOR SUSTAINABLE DESIGN:



NET-ZERO READY



LOW CARBON DESIGN



WATER HARVESTING + WATER REUSE



HEAT ISLAND EFFECT REDUCTION



LOW IMPACT MATERIALS

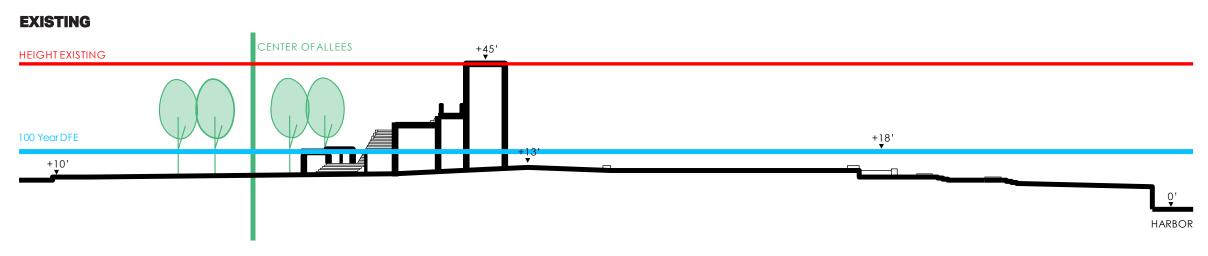


INDOOR AIR QUALITY + GOOD THERMAL COMFORT

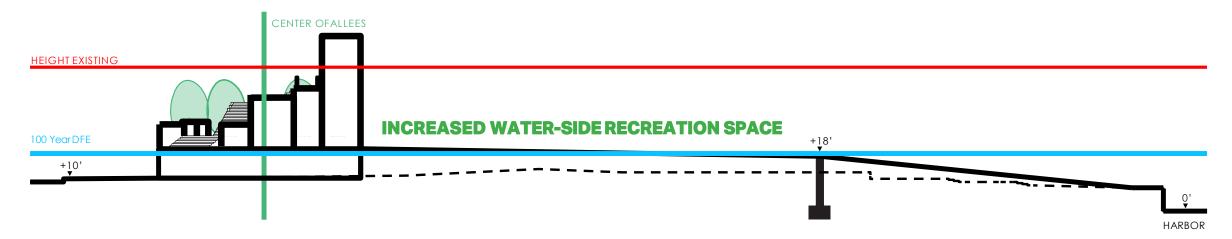
INITIAL STUDY

REPLICATE AND RELOCATE A SITE-SPECIFIC BUILDING

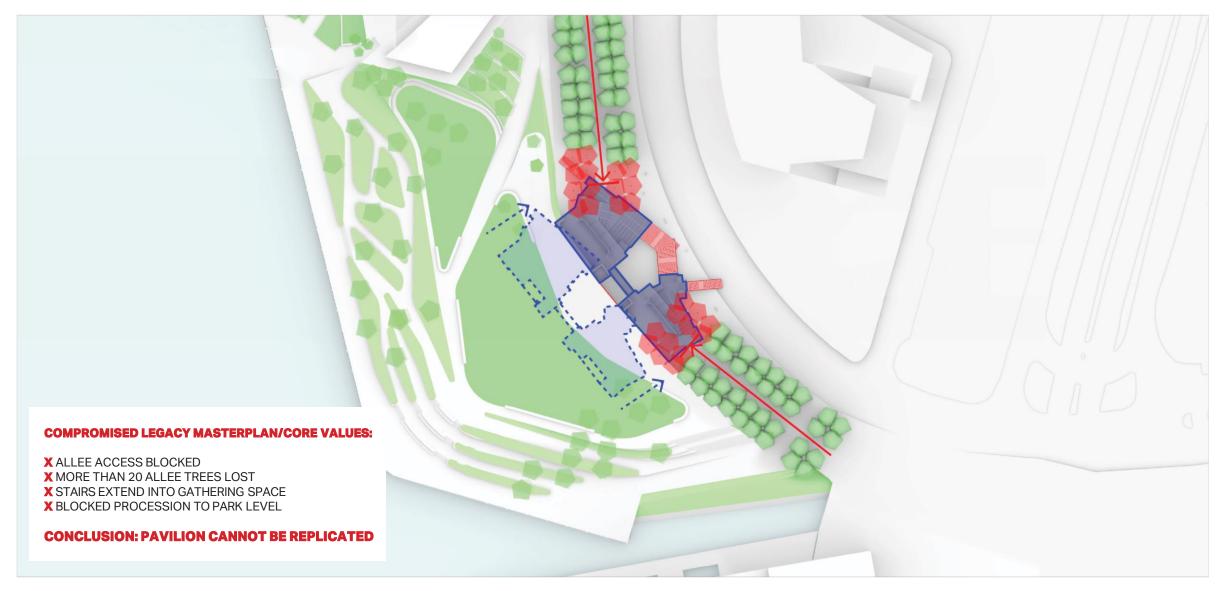
INITIAL STUDY | REPLICATE AND RELOCATE A SITE-SPECIFIC BUILDING



PAVILION REPLICATED AT HIGHER ELEVATION



INITIAL STUDY | REPLICATE AND RELOCATE A SITE-SPECIFIC BUILDING

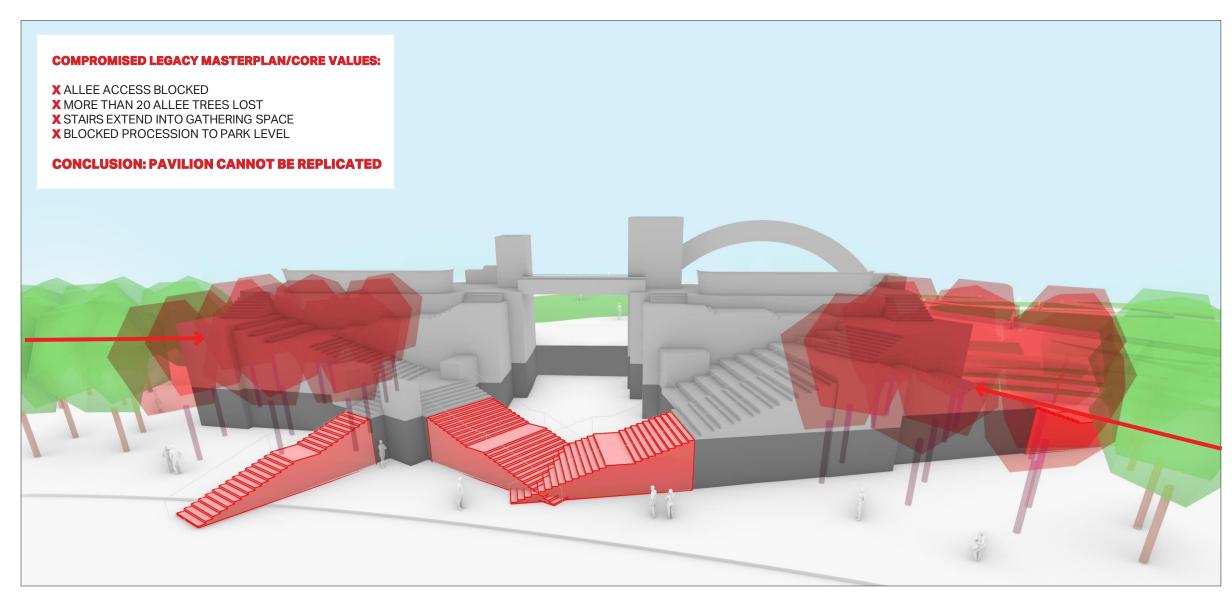




INITIAL STUDY | REPLICATE AND RELOCATE A SITE-SPECIFIC BUILDING

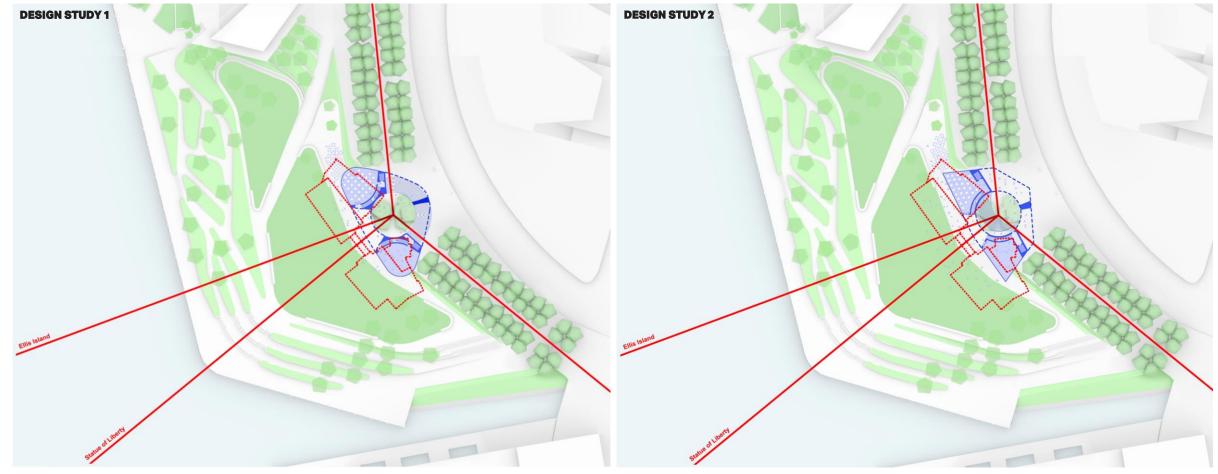


INITIAL STUDY | CONFLICTS WITH ORIGINAL DESIGN INTENT





DESIGN STUDIES



DESIGN LEGACY CORE VALUES

- 1. FRAME VIEW TO STATUE OF LIBERTY
- 2. PRESERVE ALLEE AND TREES
- 3. RECREATE CENTRAL GATHERING SPACE
- 4. MAXIMIZE RESILIENT GREEN SPACE
- 5. ENHANCE PROCESSION FROM STREET TO PARK LEVEL 5. SUSTAINABLE DESIGN NET ZERO READY

NEW DESIGN CONSIDERATIONS

- 1. RESTAURANT AT PARK LEVEL
- 2. NEW COMMUNITY PROGRAM ATPARKLEVEL
- 3. SMALLER BUIDING FOOTPRINT, INCREASED USABLE AREA
- 4. LARGER ROOF TERRACE

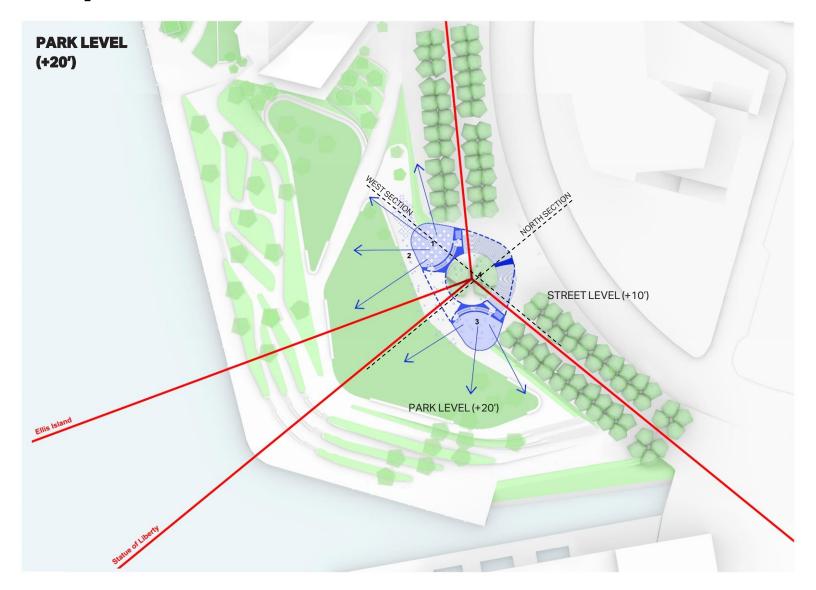


DESIGN STUDY 1

RESPONDING TO CORE DESIGN VALUES AND THE LEGACY MASTERPLAN



DESIGN STUDY 1 | PARK LEVEL PLAN



LEGEND:

PARK LEVEL (+20')

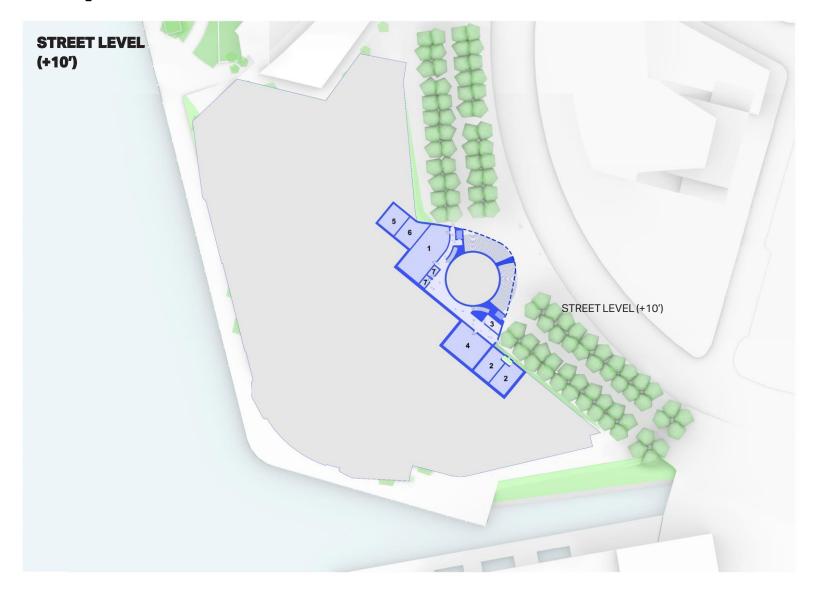
- 1 INDOOR DINING
- 2 OUTDOOR DINING
- 3 COMMUNITY ROOM
- 4 GATHERING SPACE

STREET LEVEL (+10')

- 1 KITCHEN
- 2 PUBLIC RESTROOMS
- 3 SECURITY OFFICE
- 4 STORAGE
- 5 PROGRAM STORAGE
- 6 MAINTENANCE STORAGE
- 7 RESTAURANT RESTROOMS

ROOF (+38'6")

DESIGN STUDY 1 | STREET LEVEL PLAN



LEGEND:

PARK LEVEL (+20')

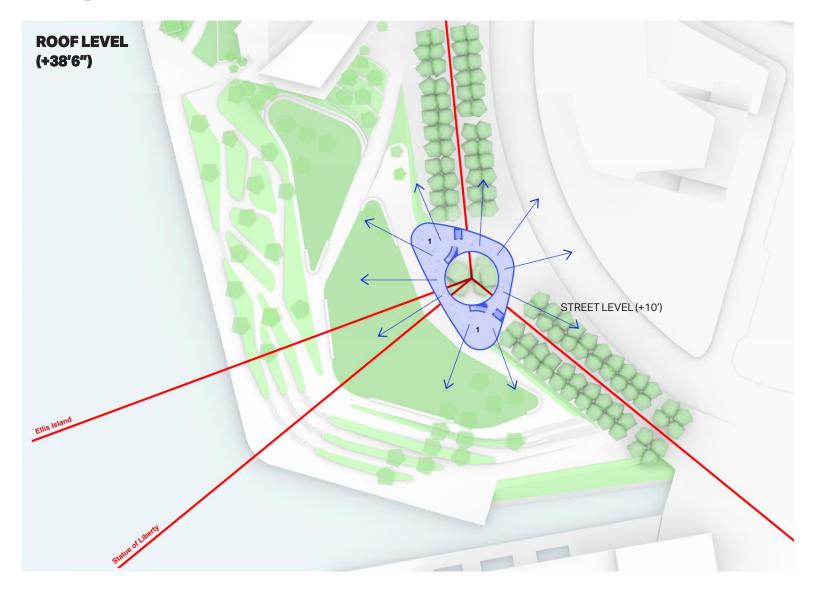
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STREET LEVEL (+10')

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ROOF (+38'6")

DESIGN STUDY 1 | ROOF TERRACE PLAN



LEGEND:

PARK LEVEL (+20')

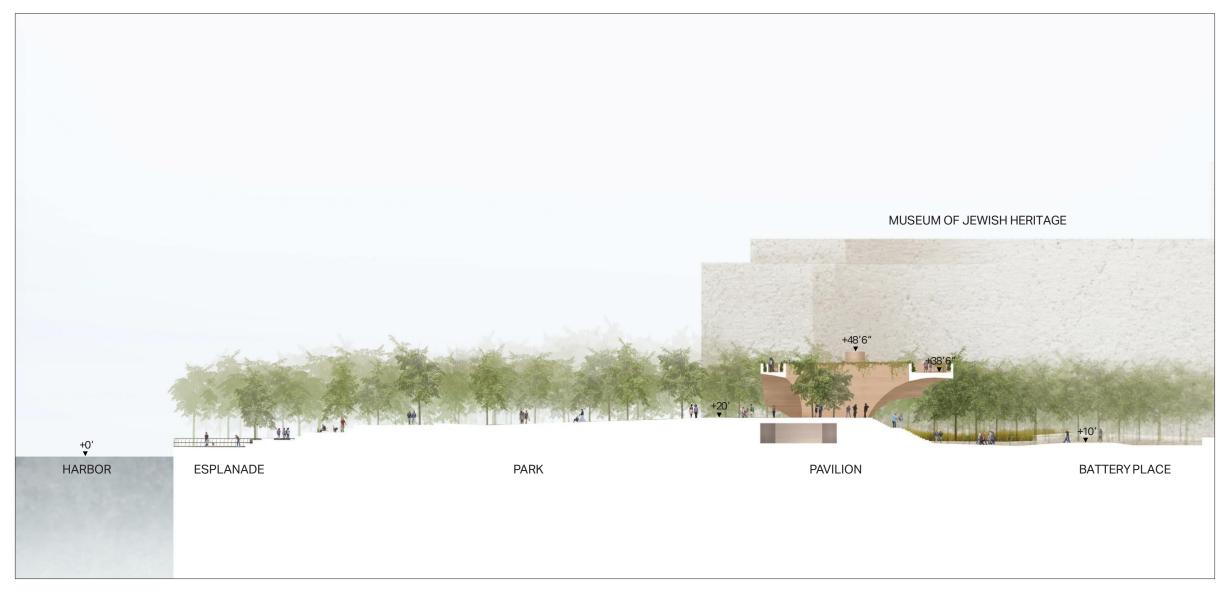
- 1 INDOOR DINING
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STREET LEVEL (+10')

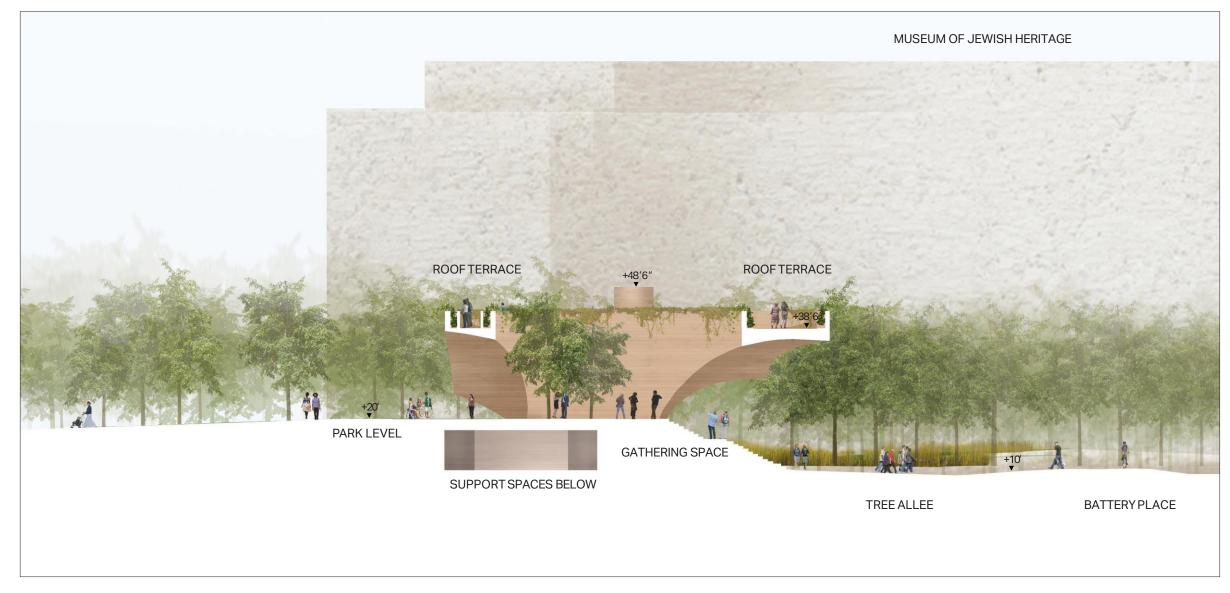
- 1 KITCHEN
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- 6 MAINTENANCE STORAGE
- 7 RESTAURANT RESTROOMS

ROOF (+38'6")

DESIGN STUDY 1 | SECTION LOOKING NORTH

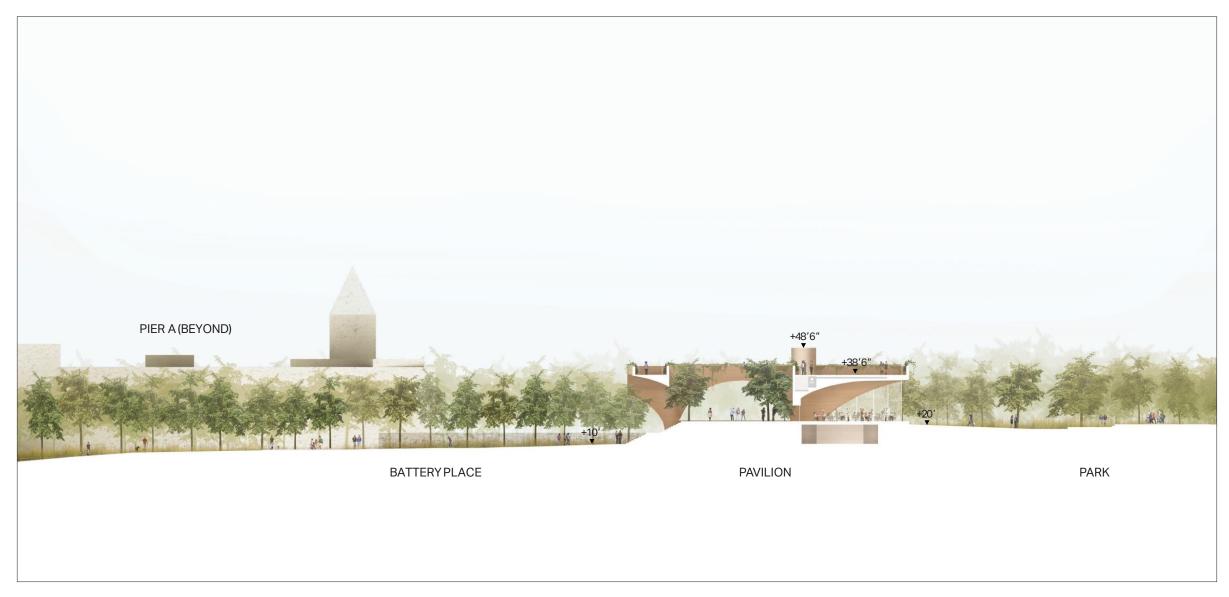


DESIGN STUDY 1 | SECTION LOOKING NORTH - PAVILION DETAIL





DESIGN STUDY 1 | SECTION LOOKING WEST



DESIGN STUDY 1 SECTION LOOKING WEST - PAVILION DETAIL



DESIGN STUDY 1 | ELEVATION FROM BATTERY PLACE

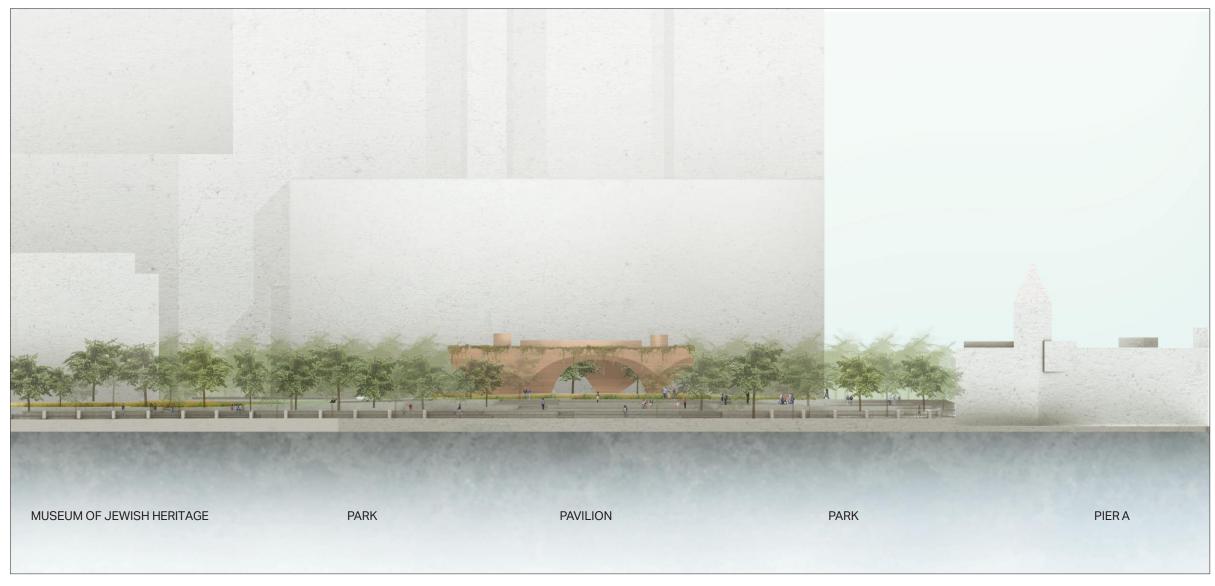


DESIGN STUDY 1 | ELEVATION FROM BATTERY PLACE - PAVILION DETAIL





DESIGN STUDY 1 | ELEVATION FROM NEW YORK HARBOR

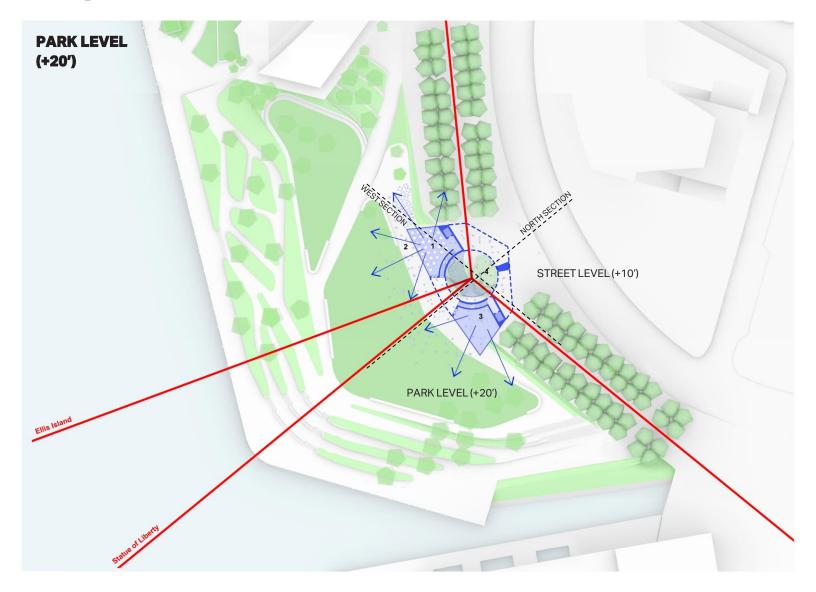


DESIGN STUDY 2

RESPONDING TO CORE DESIGN VALUES AND THE LEGACY MASTERPLAN



DESIGN STUDY 2 | PARK LEVEL PLAN



LEGEND:

PARK LEVEL (+20')

- 1 INDOOR DINING
- 2 OUTDOOR DINING
- 3 COMMUNITY ROOM
- 4 GATHERING SPACE

STREET LEVEL (+10')

- 1 KITCHEN
- 2 PUBLIC RESTROOMS
- 3 SECURITY OFFICE
- 4 STORAGE
- 5 PROGRAM STORAGE
- 6 MAINTENANCE STORAGE
- 7 RESTAURANT RESTROOMS

ROOF (+38'6")



DESIGN STUDY 2 | STREET LEVEL PLAN



LEGEND:

PARK LEVEL (+20')

- 1 INDOOR DINING
- 2 OUTDOOR DINING
- 3 COMMUNITY ROOM
- 4 GATHERING SPACE

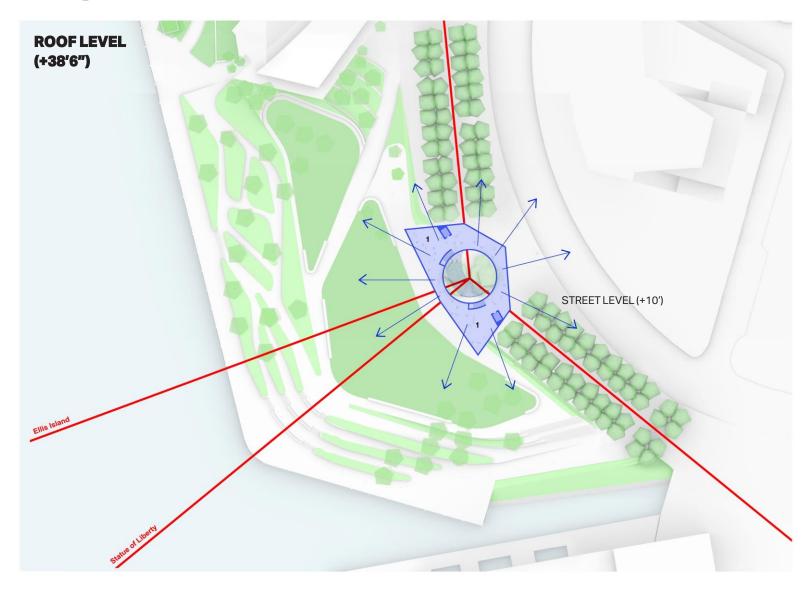
STREET LEVEL (+10')

- 1 KITCHEN
- 2 PUBLIC RESTROOMS
- 3 SECURITY OFFICE
- 4 STORAGE
- 5 PROGRAM STORAGE
- 6 MAINTENANCE STORAGE
- 7 RESTAURANT RESTROOMS

ROOF (+38'6")



DESIGN STUDY 2 | ROOF LEVEL PLAN



LEGEND:

PARK LEVEL (+20')

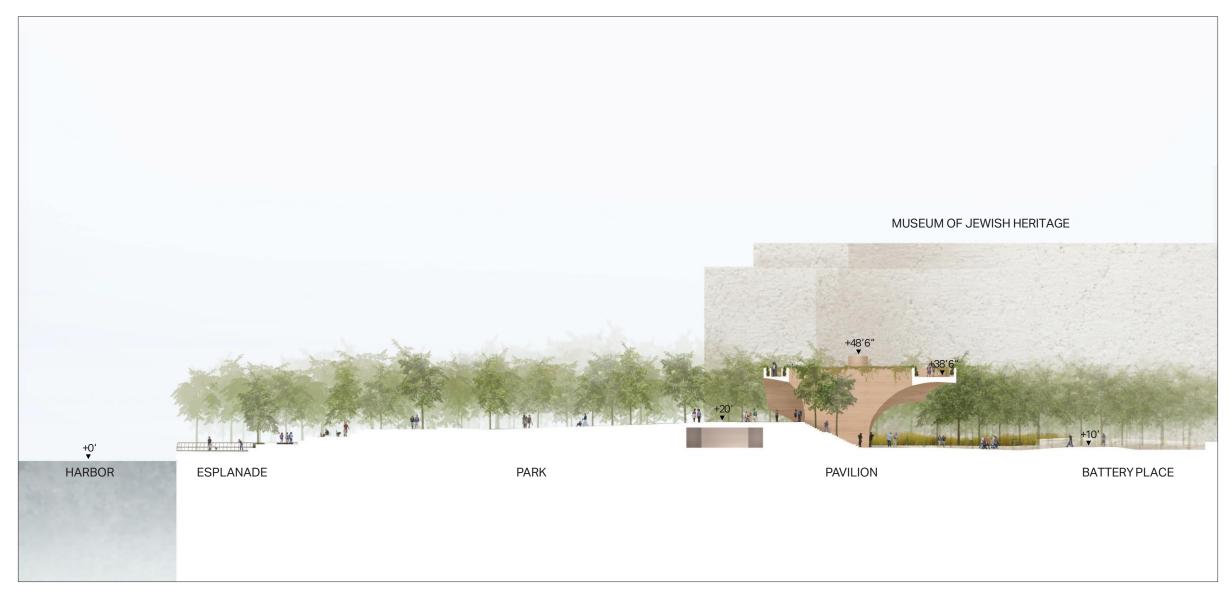
- 1 INDOOR DINING
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- 4 GATHERING SPACE

STREET LEVEL (+10')

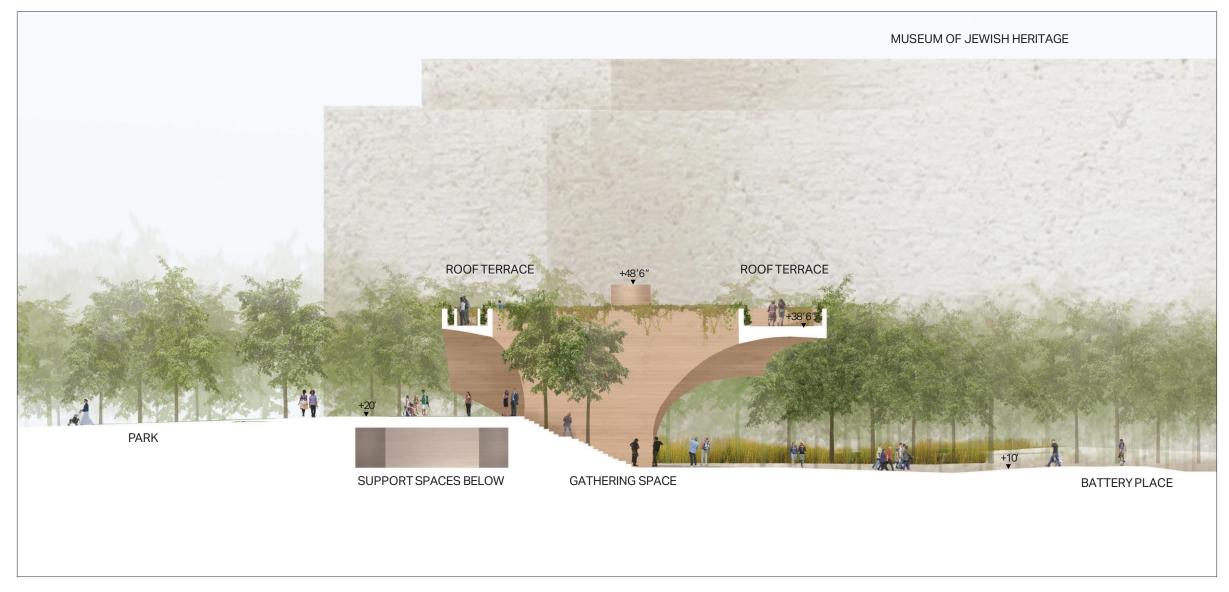
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- 5 PROGRAM STORAGE
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- 7 RESTAURANT RESTROOMS

ROOF (+38'6")

DESIGN STUDY 2 | SECTION LOOKING NORTH

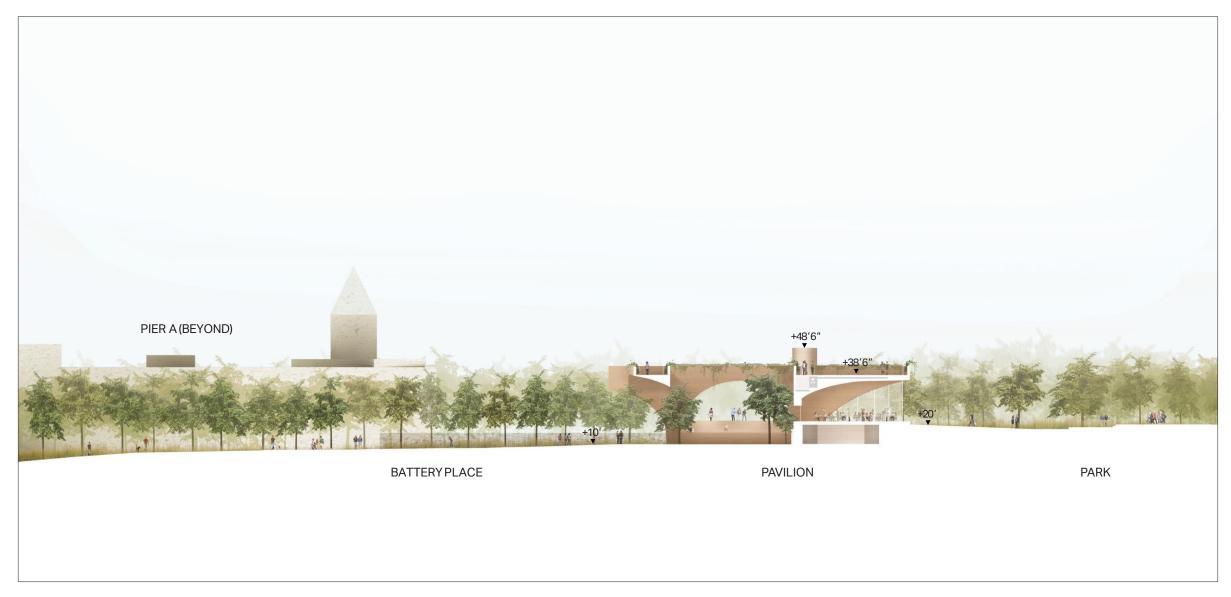


DESIGN STUDY 2 | SECTION LOOKING NORTH - PAVILION DETAIL

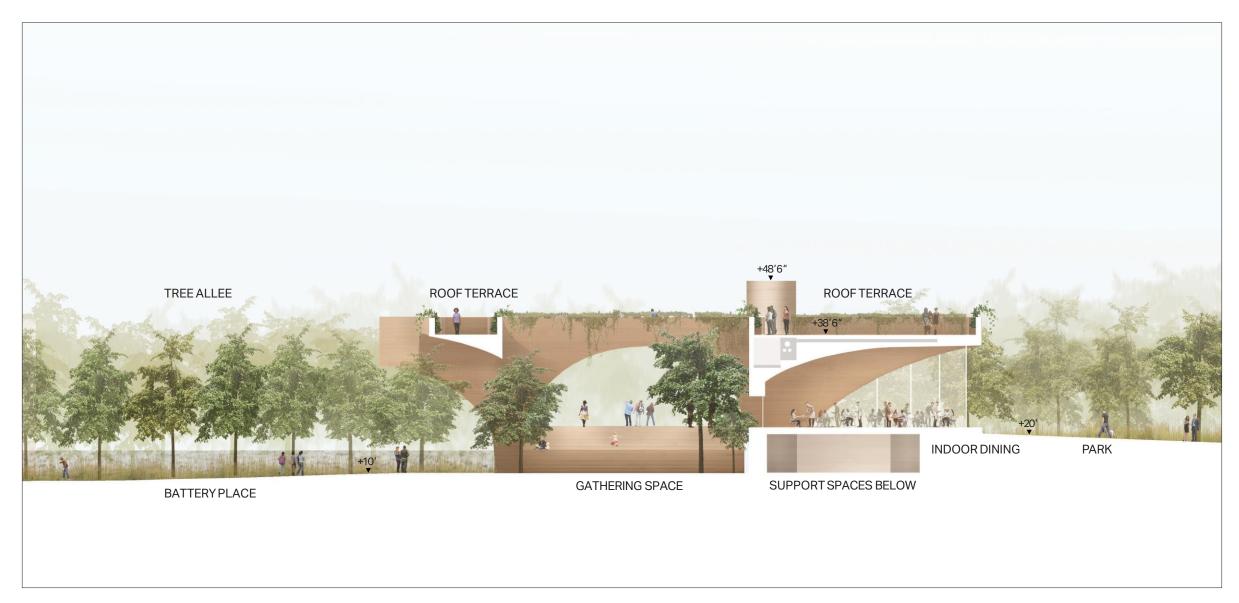




DESIGN STUDY 2 | SECTION LOOKING WEST



DESIGN STUDY 2 | SECTION LOOKING WEST - PAVILION DETAIL



DESIGN STUDY 2 | ELEVATION FROM NEW YORK HARBOR





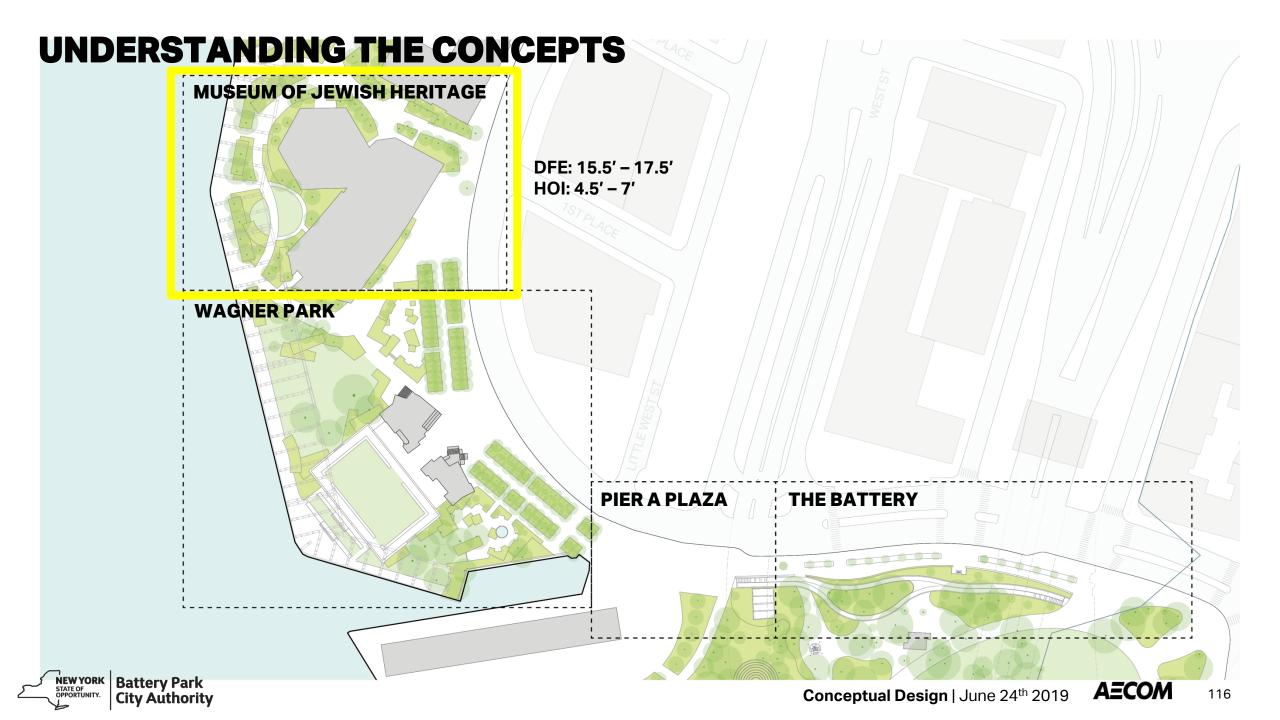






WAGNER PARK Q&A

MUSEUM OF JEWISH HERITAGE



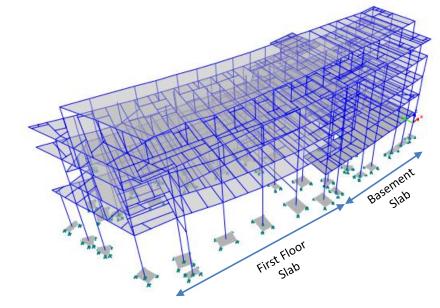
MUSEUM OF JEWISH HERITAGE | PRELIMINARY ANALYSIS

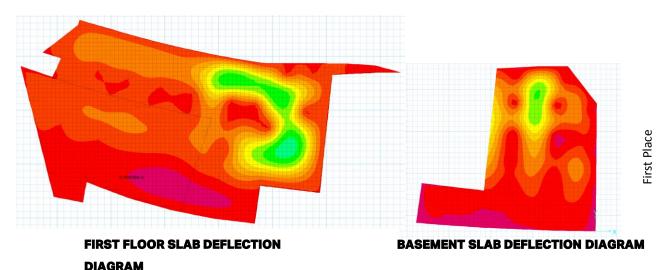
PRELIMINARY STRUCTURAL ANALYSIS

- Evaluated the feasibility of including the museum, or portions of the museum, in the flood alignment
- Developed preliminary design criteria based on Design Flood Elevation and Wind and Wave loads.
- Considered uplift on the floor and basement slabs caused by buoyancy pressures

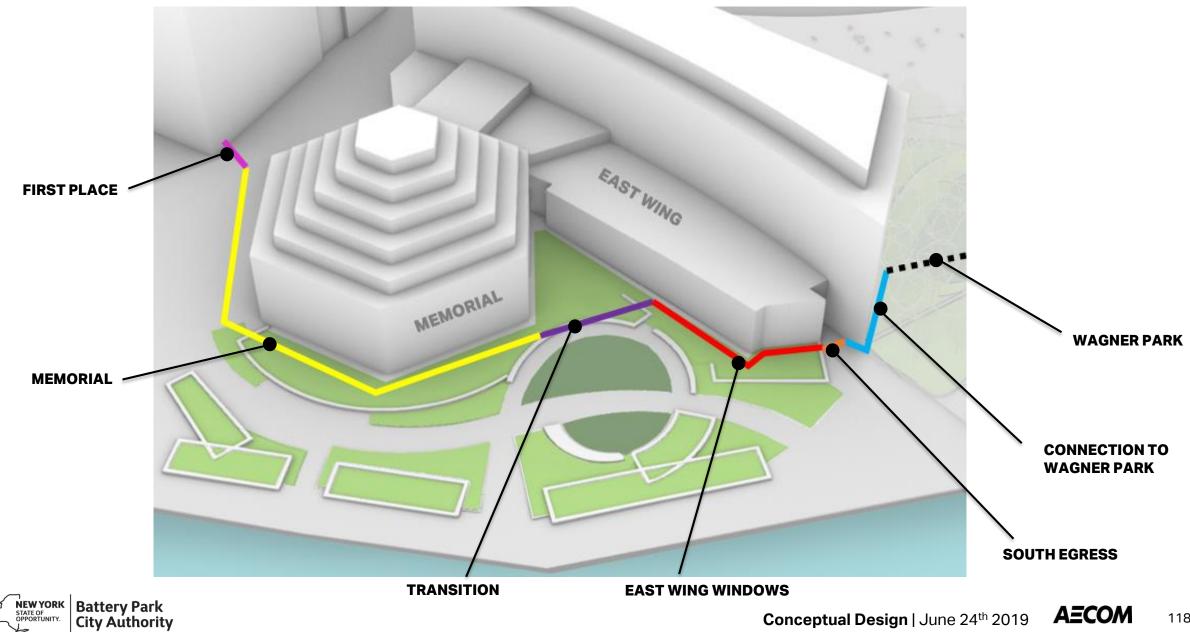
PRELIMINARY RESULTS

- The walls and foundation have some capacity to resist flood loads; however in order to achieve the Design Criteria of 2050 100-year storm, retrofits are needed
- Other options to reduce the loads include seepage cut-off barriers, and wave attenuation

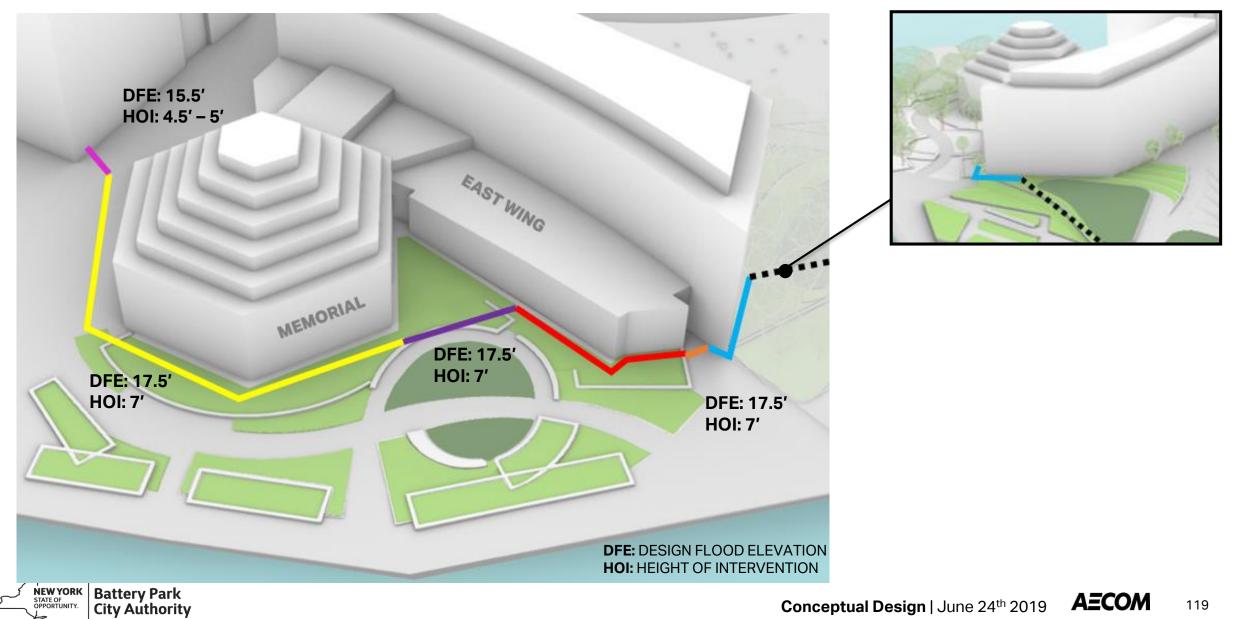




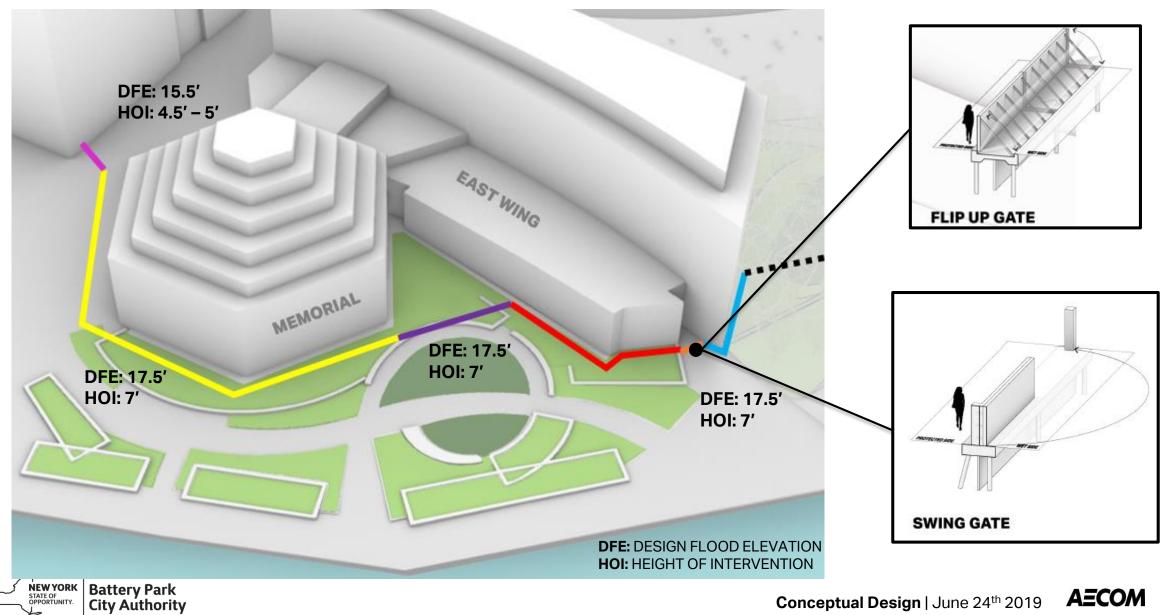
MUSEUM OF JEWISH HERITAGE| FLOOD ALIGNMENT ZONES



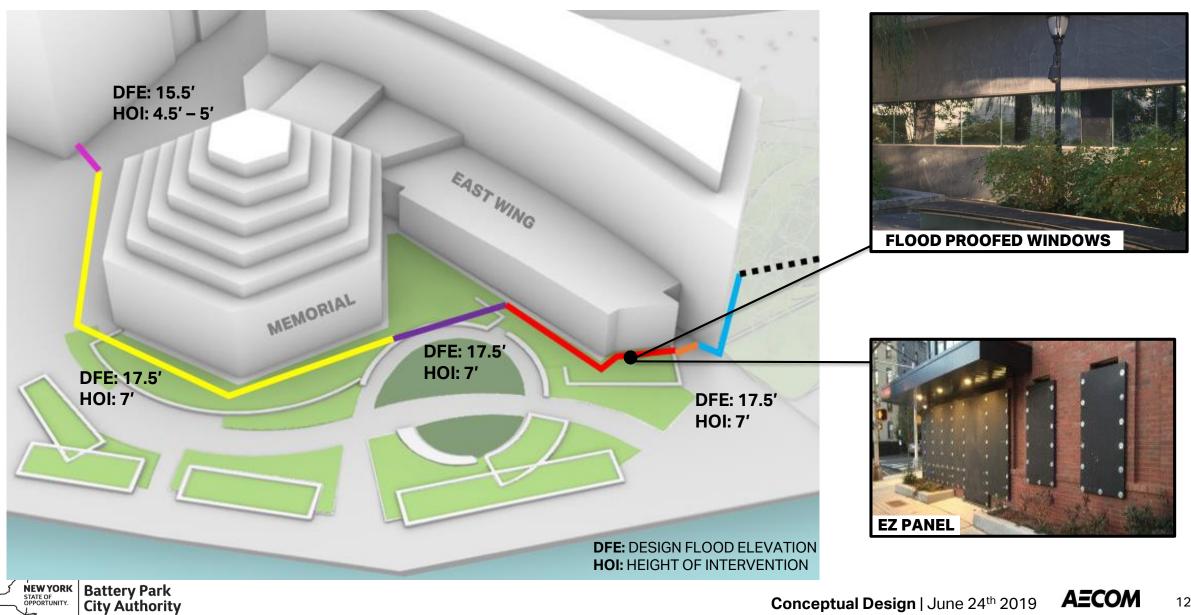
MUSEUM OF JEWISH HERITAGE| CONNECTION TO WAGNER PARK



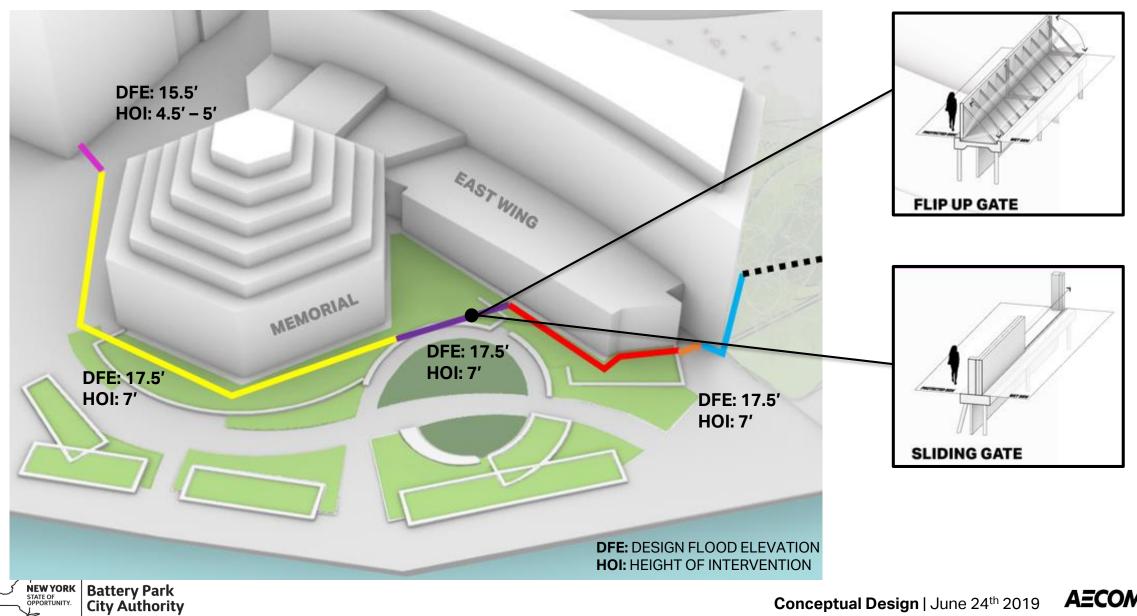
MUSEUM OF JEWISH HERITAGE| SOUTH EGRESS



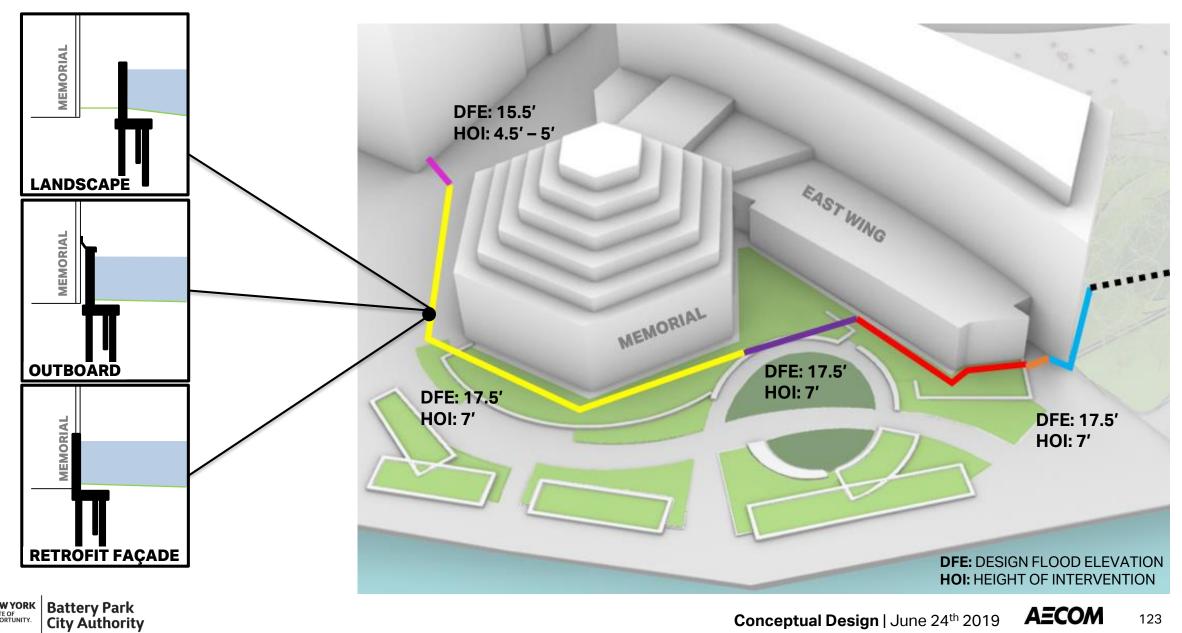
MUSEUM OF JEWISH HERITAGE| EAST WING WINDOWS



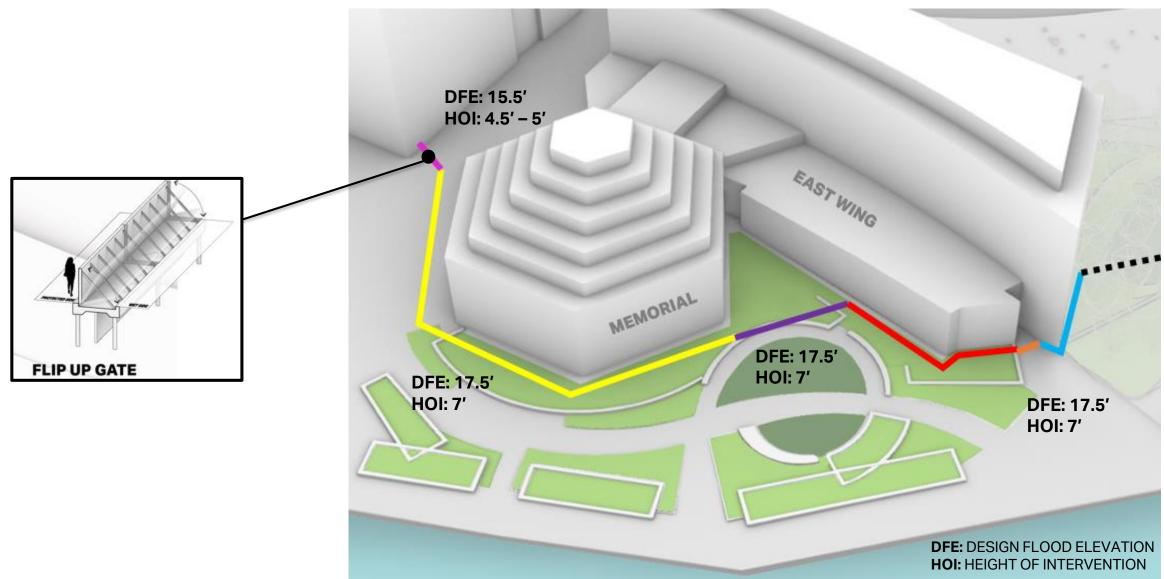
MUSEUM OF JEWISH HERITAGE TRANSITION



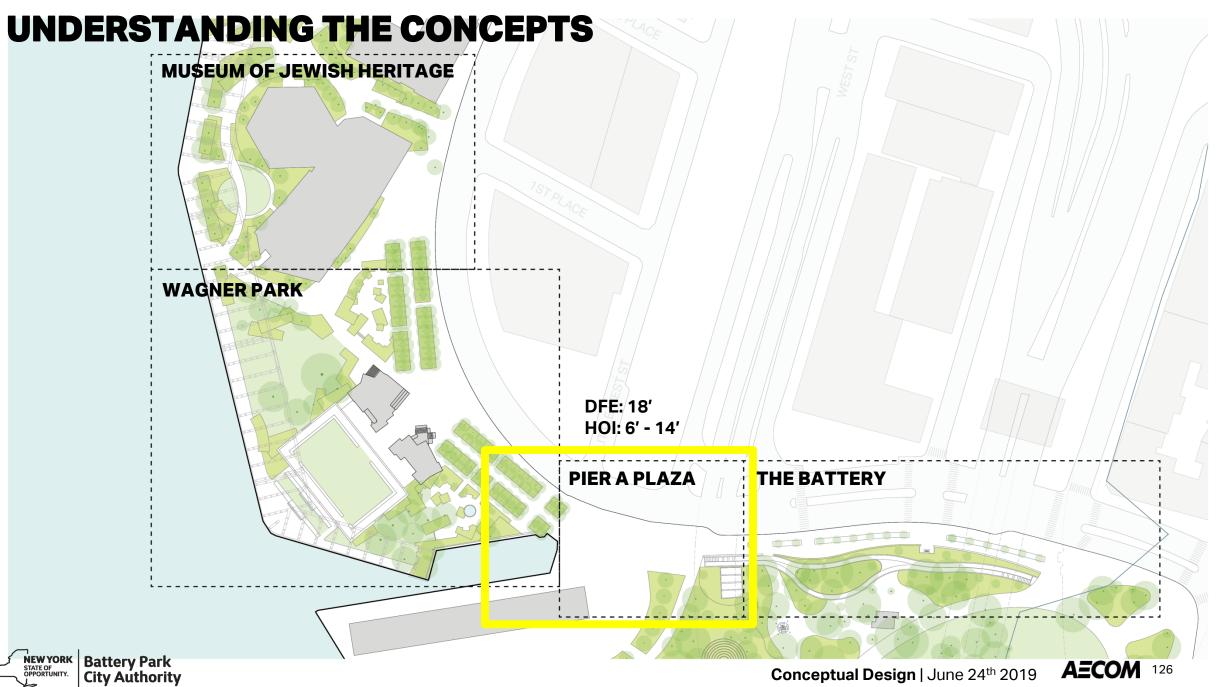
MUSEUM OF JEWISH HERITAGE | MEMORIAL



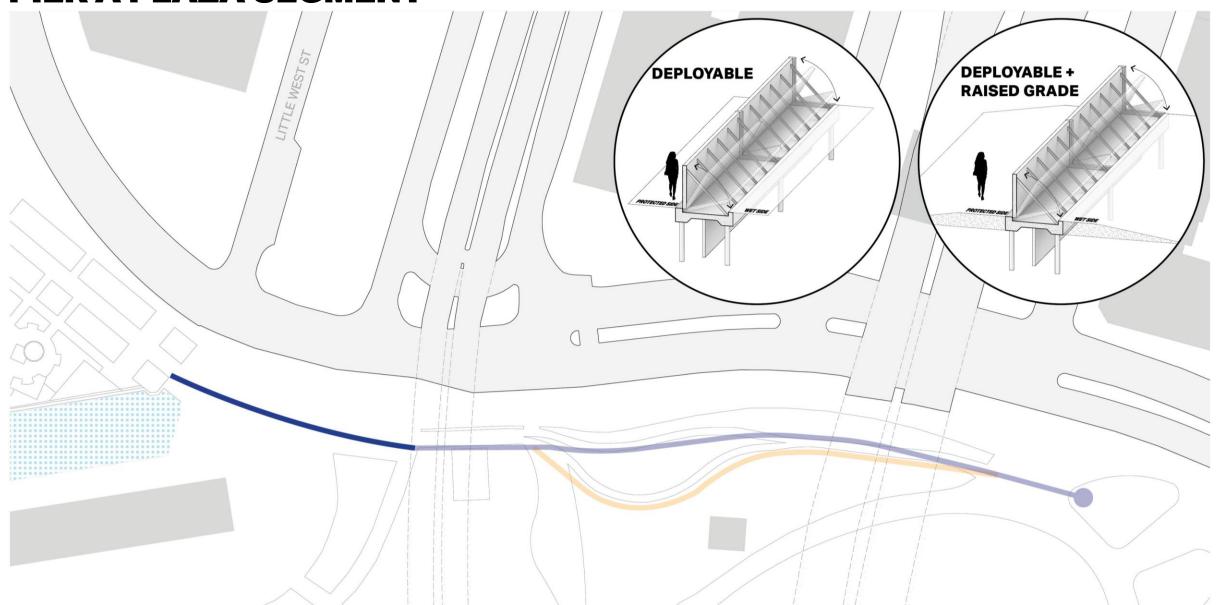
MUSEUM OF JEWISH HERITAGE | FIRST PLACE



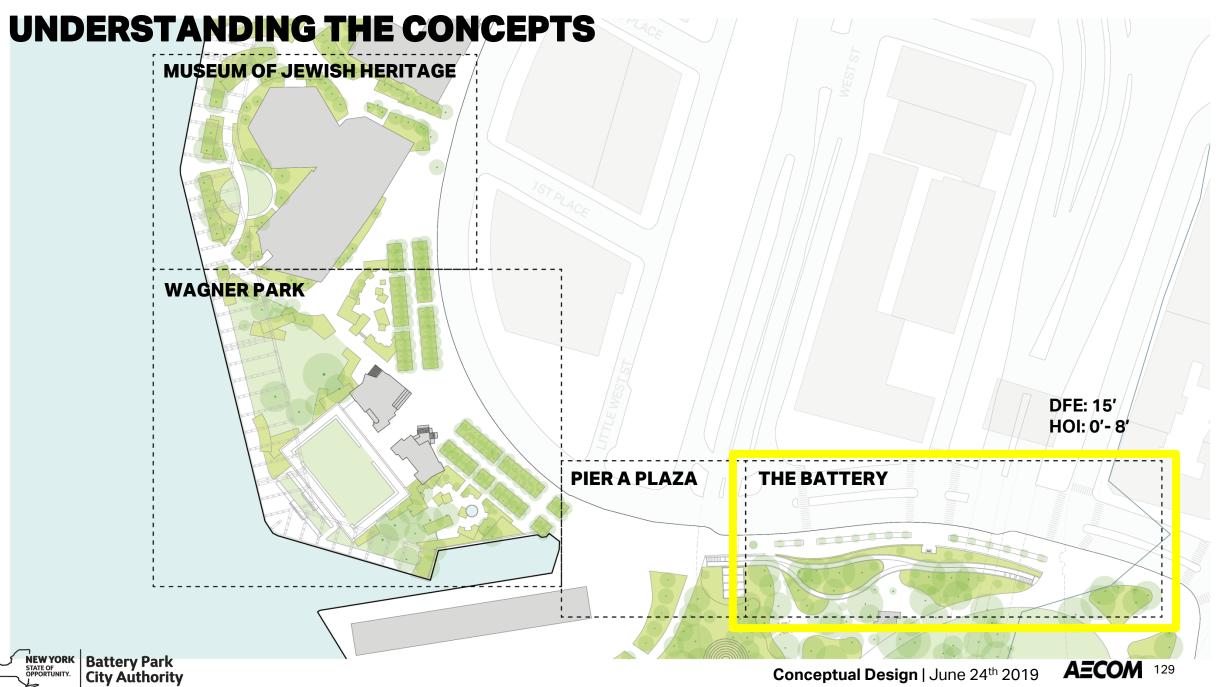
PIER A



PIER A PLAZA SEGMENT



THE BATTERY



THE BATTERY BIKEWAY EXISTING CONDITIONS **BATTERY PARK UNDERPASS BROOKLYN BATTERY TUNNEL** THE BATTERY BIKEWAY PIER A PLAZA **COMFORT STATION** THE BATTERY LABYRINTH **BOWLING GREEN STATION**







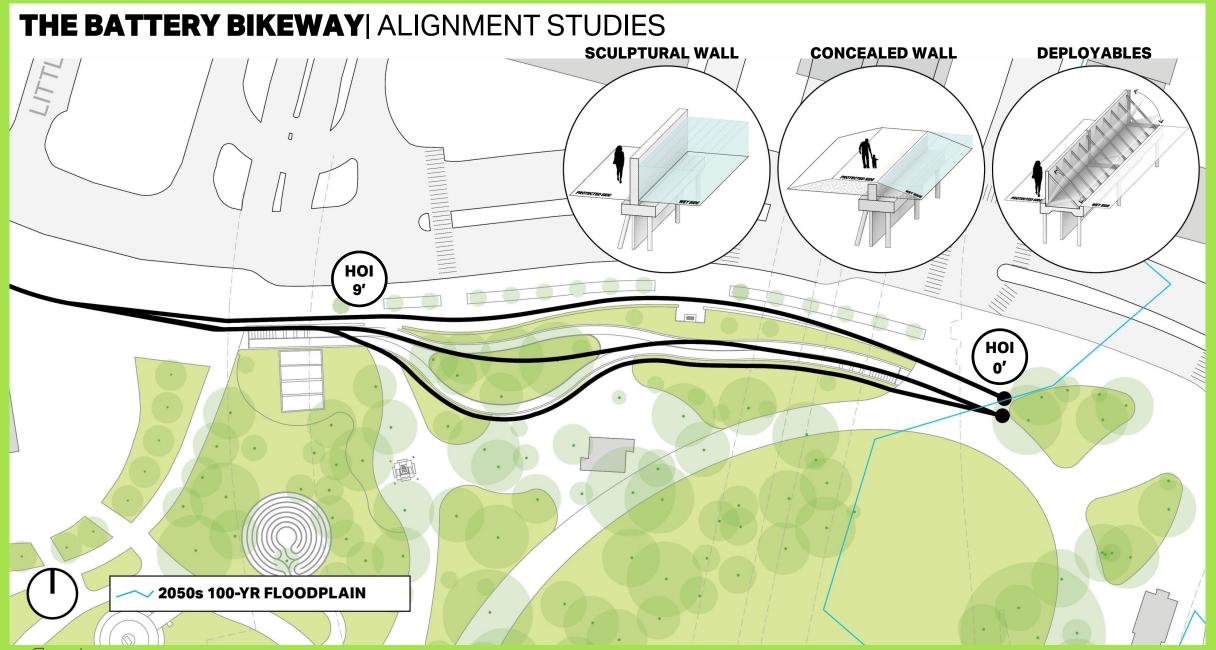












Q&A

PLEASE ADDRESS COMMENTS BY JULY 15 TO

sbpcr@bpca.ny.gov