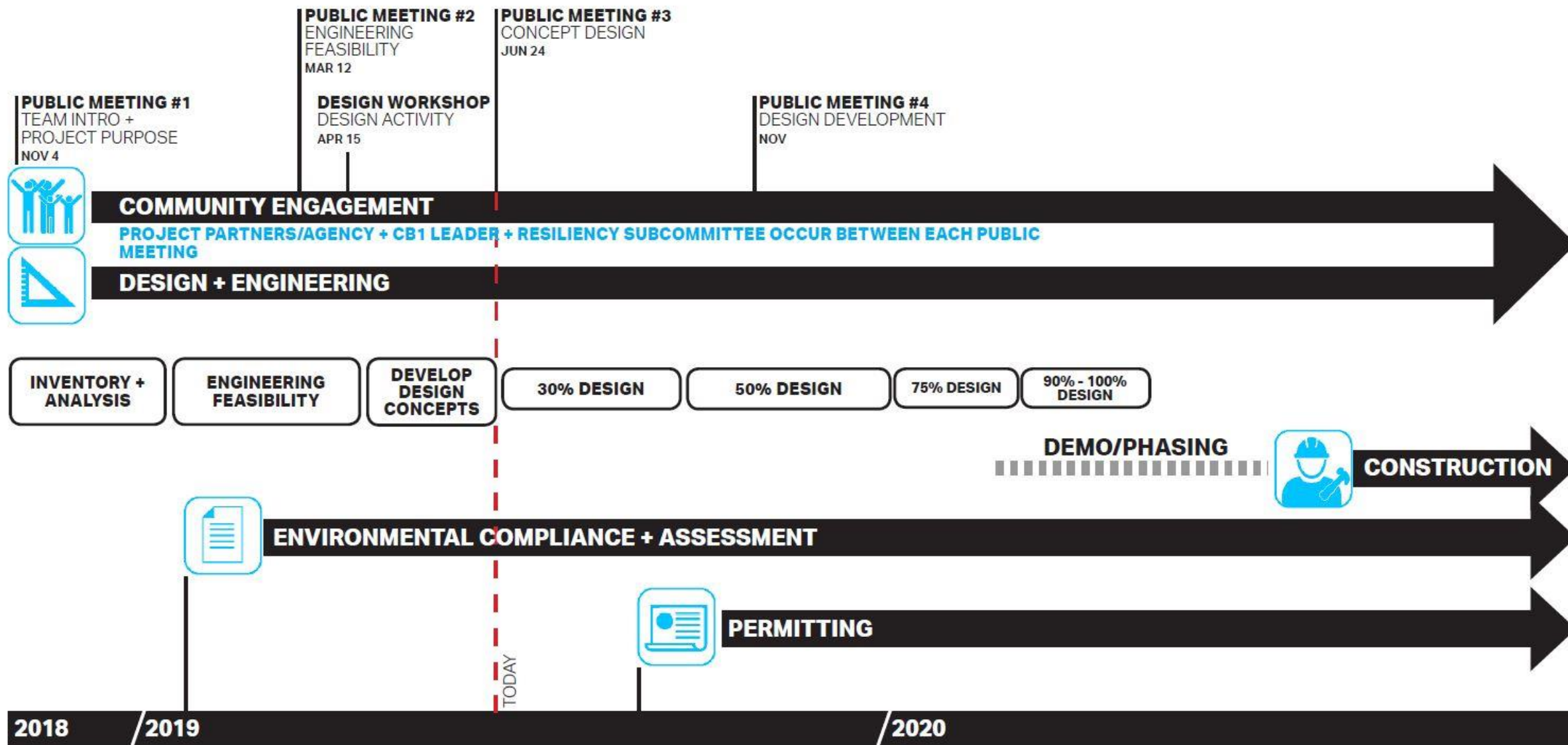


# **SOUTH BATTERY PARK CITY RESILIENCY**

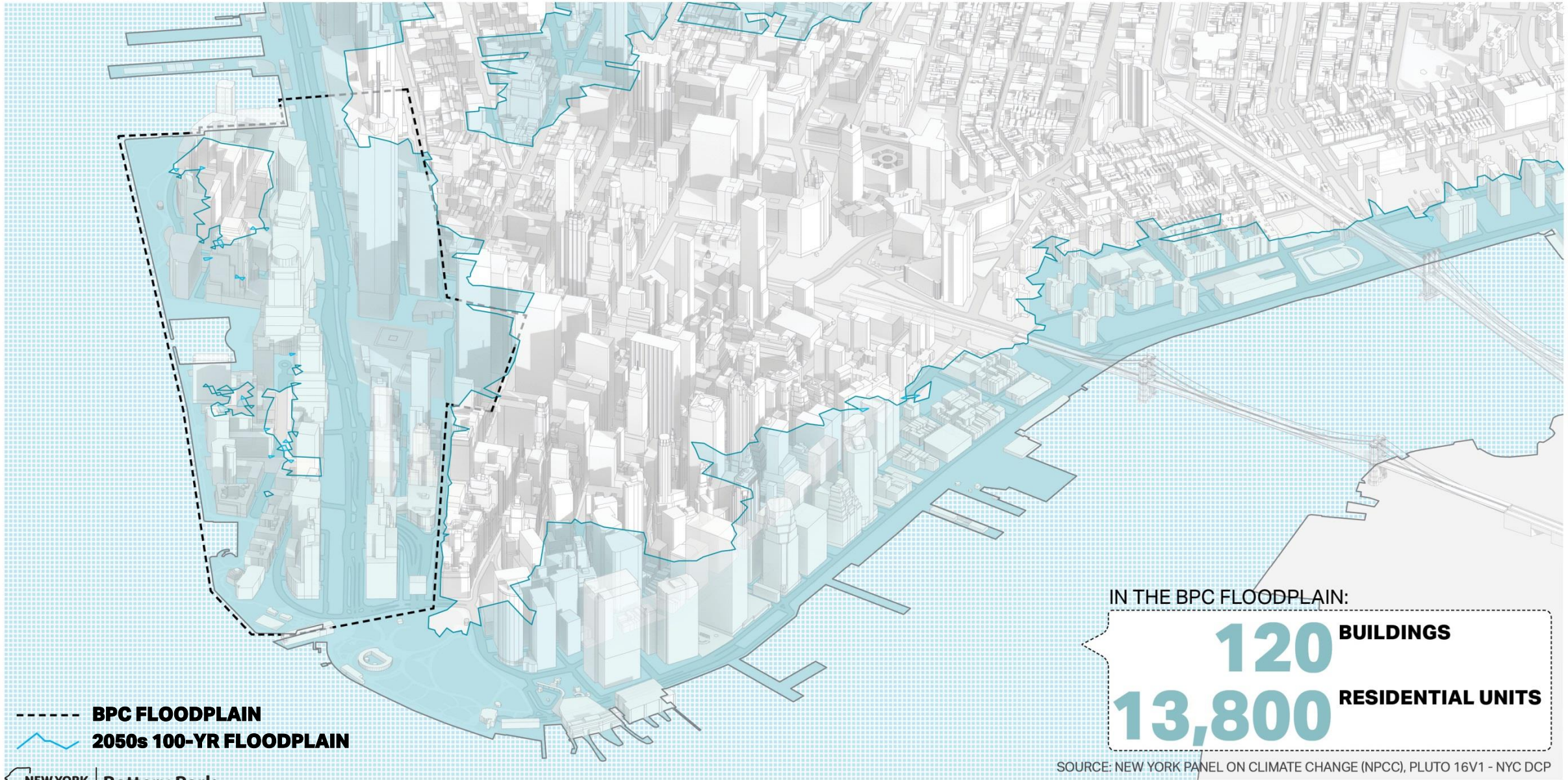
## **CONCEPT DRAWINGS**

# PROJECT MILESTONES





# 2050s 100-YEAR STORM



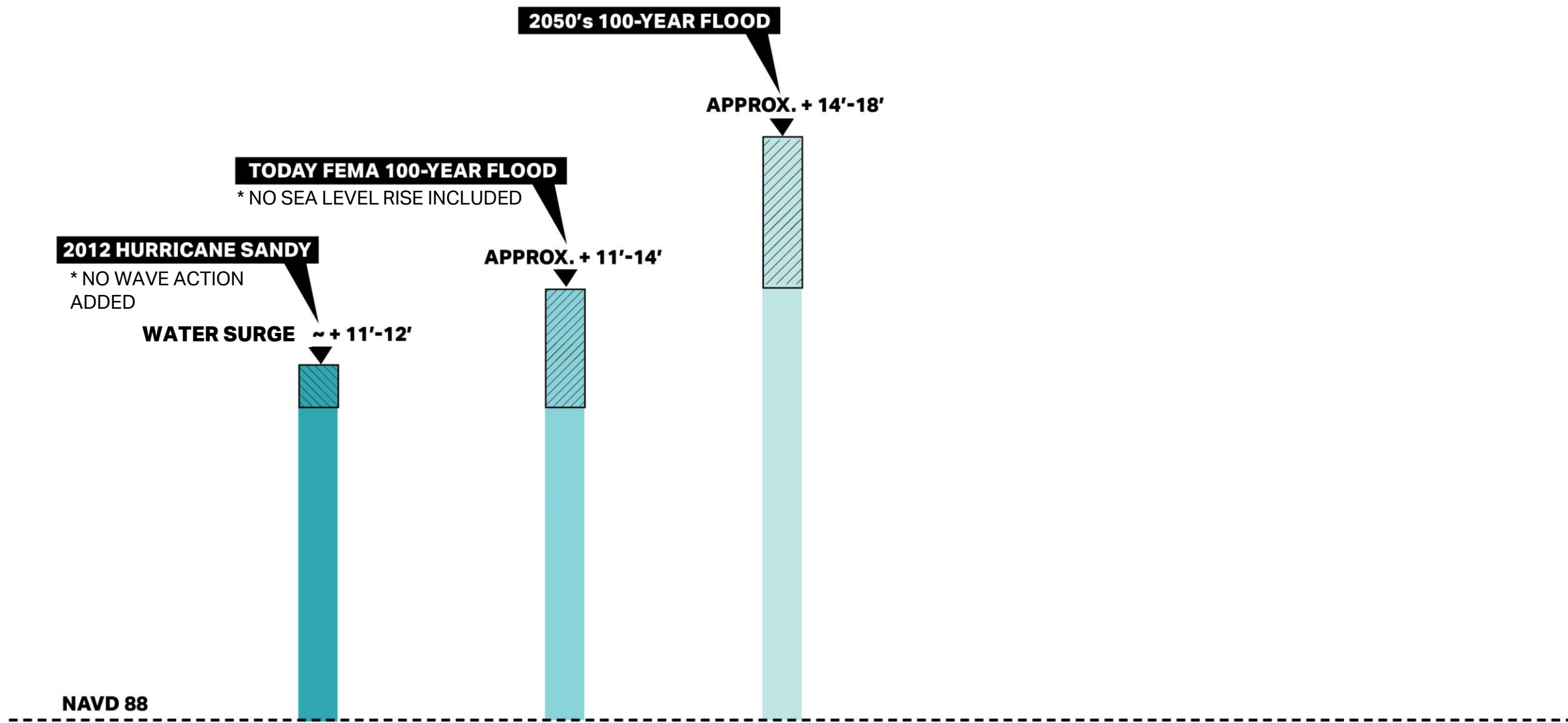
--- BPC FLOODPLAIN  
--- 2050s 100-YR FLOODPLAIN



Battery Park  
City Authority

SOURCE: NEW YORK PANEL ON CLIMATE CHANGE (NPCC), PLUTO 16V1 - NYC DCP

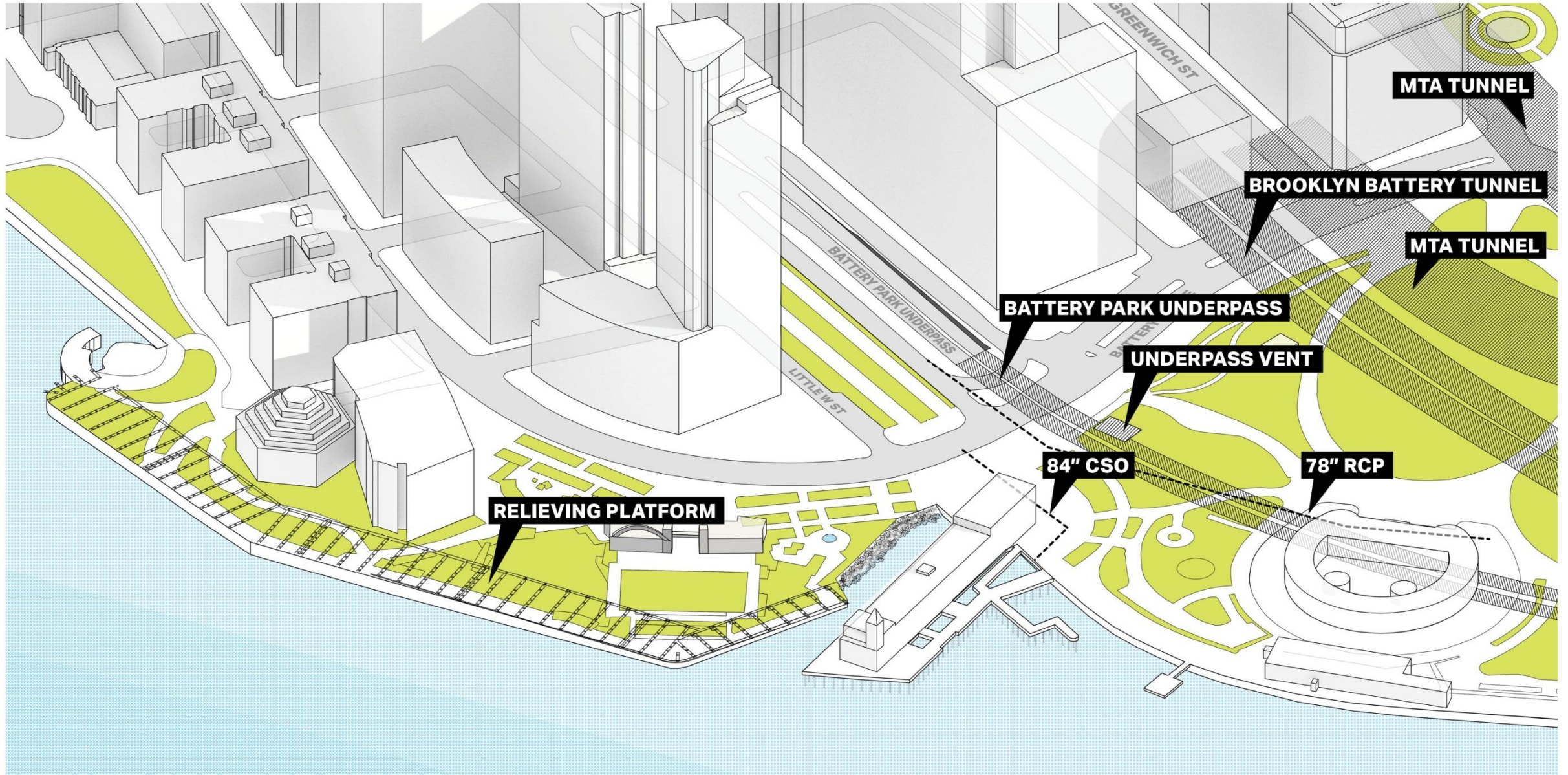
# DESIGN FLOOD ELEVATION (DFE) COMPARISON



**\* 2050 DFE TO BE VERIFIED WITH TOPO**



# SUBSURFACE



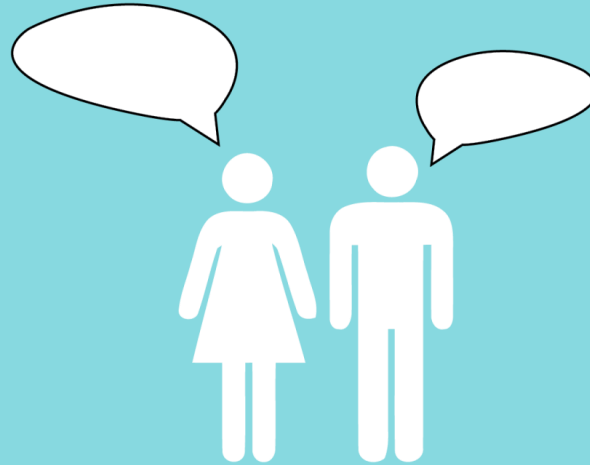
# HOW WE GOT HERE

- 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

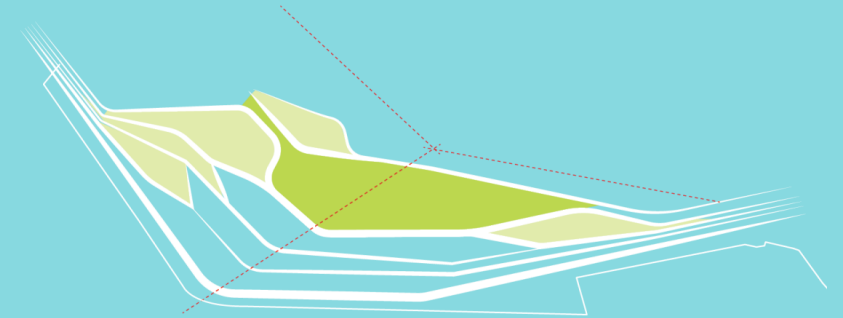
# CONCEPTUAL DESIGN PROCESS



ENGINEERING + FEASIBILITY



PUBLIC + USER GROUP INPUT



CONCEPTUAL DESIGN STUDIES



# 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) ILFI ZERO CARBON and WEDG certification in Wagner Pavilion and Park
- Universal Access



# UNDERSTANDING THE FOOTPRINT | EXISTING CONDITIONS

**MUSEUM OF JEWISH HERITAGE & 1st PLACE**  
BPCA  
DOT

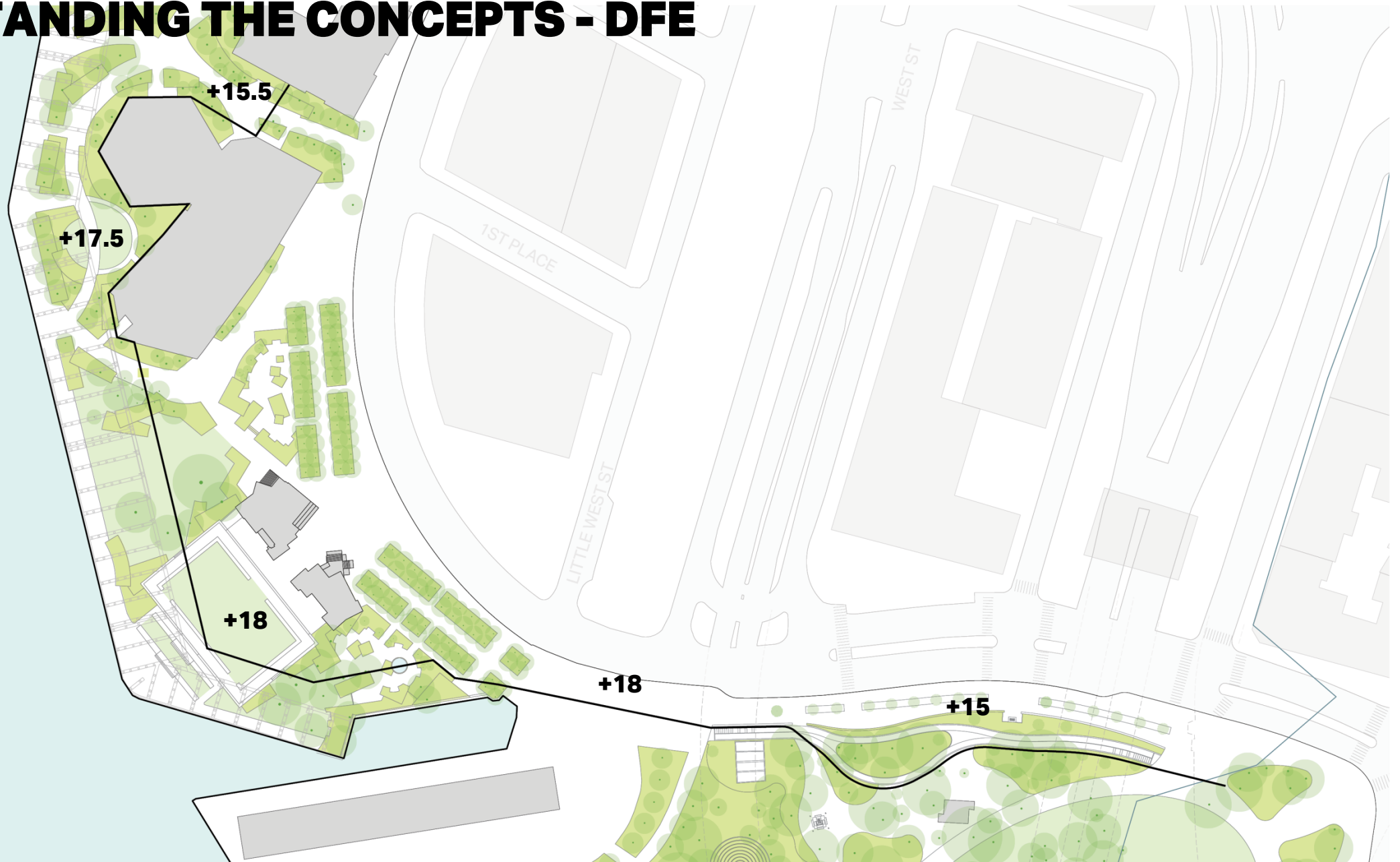
**WAGNER PARK**  
BPCA

**PIER A PLAZA**  
DOT  
SBS (EDC)  
(BPCA)

**THE BATTERY**  
DOT  
DPR



# UNDERSTANDING THE CONCEPTS - DFE





# CONCEPTUAL MASTER PLAN

**MUSEUM OF JEWISH HERITAGE & 1st PLACE**  
BPCA  
DOT

**WAGNER PARK**  
BPCA

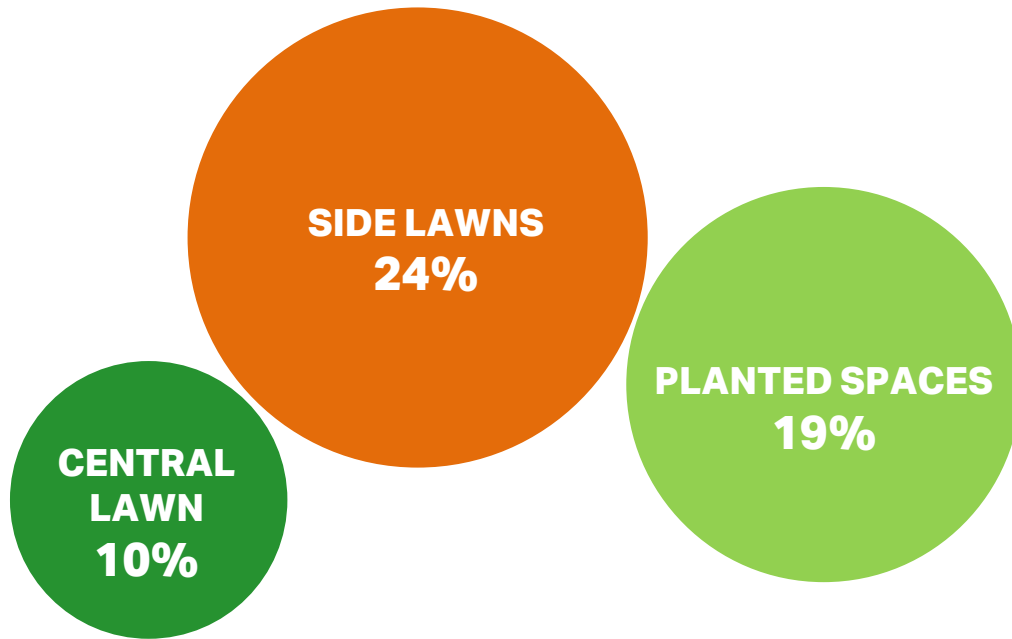
**PIER A PLAZA**  
DOT  
SBS (EDC)  
(BPCA)

**THE BATTERY**  
DOT  
DPR

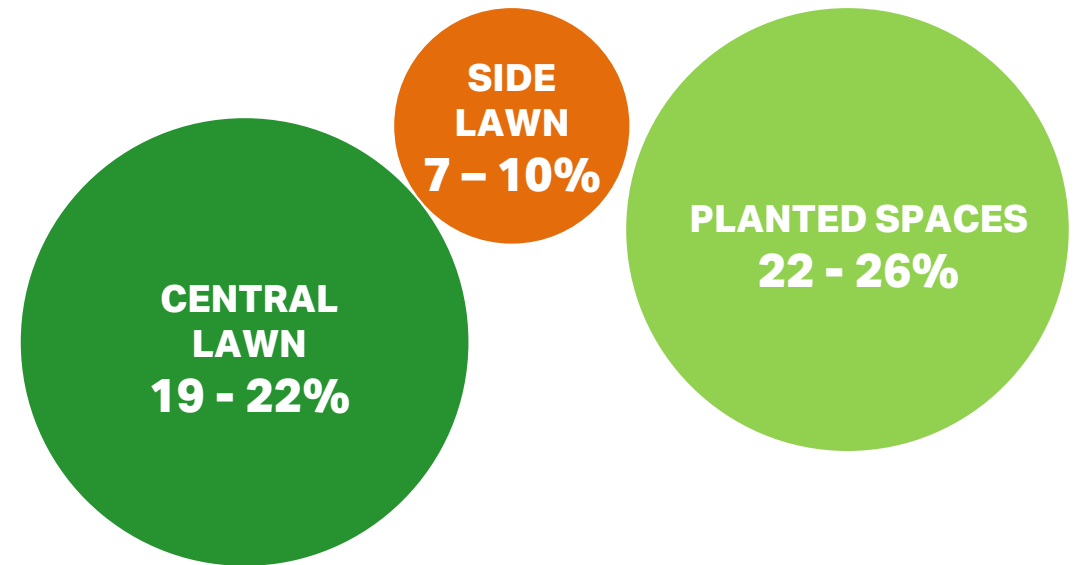


# UNDERSTANDING THE FOOTPRINT

## EXISTING WAGNER PARK



## PROPOSED WAGNER PARK

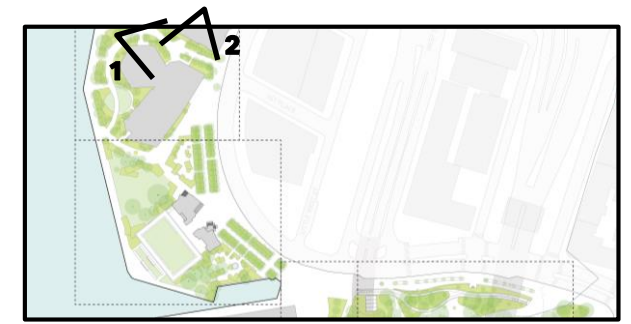


**EXISTING AND PROPOSED WAGNER PARK HARDSCAPE REMAINS APPROXIMATELY THE SAME (50%)**

**1<sup>st</sup> PLACE**



# 1<sup>st</sup> PLACE | EXISTING CONDITIONS

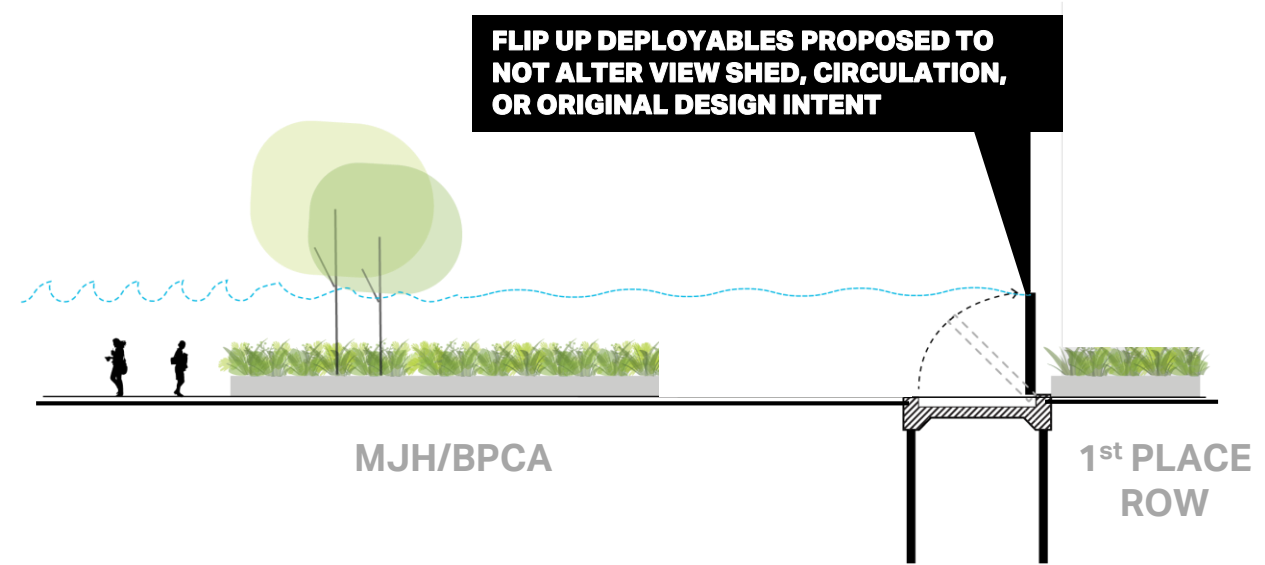


**1. VIEW LOOKING EAST**



**2. VIEW LOOKING SOUTHWEST**

# 1<sup>st</sup> PLACE | PROPOSED CONDITIONS



# MUSEUM OF JEWISH HERITAGE

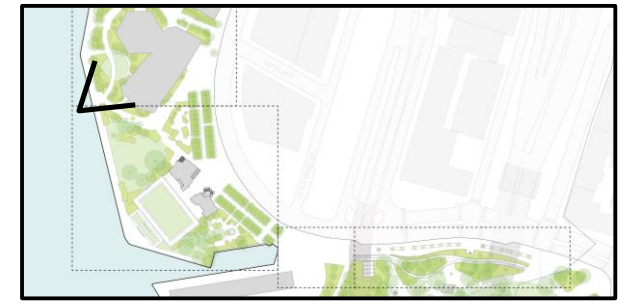


# MUSEUM OF JEWISH HERITAGE | BPCA



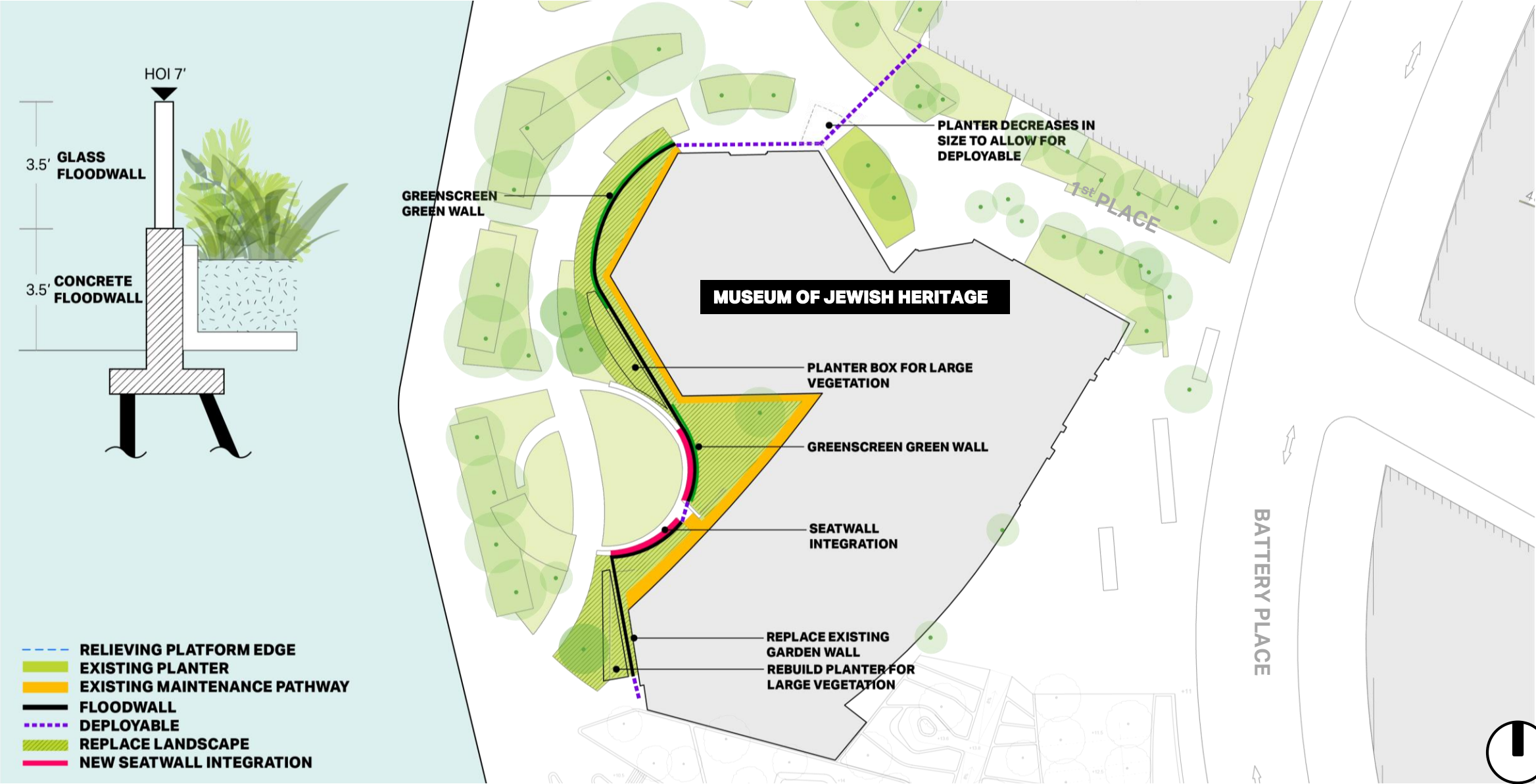


# MUSEUM OF JEWISH HERITAGE | BPCA





# MUSEUM OF JEWISH HERITAGE | PROPOSED CONDITIONS



# WAGNER PARK



# WAGNER PARK | BPCA



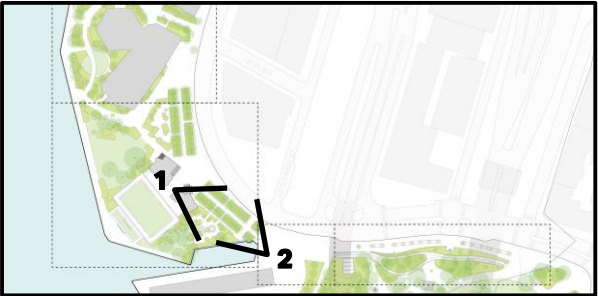


# WAGNER PARK | BPCA





# WAGNER PARK | BPCA



1. SOUTH GARDEN



2. TREE ALLEE

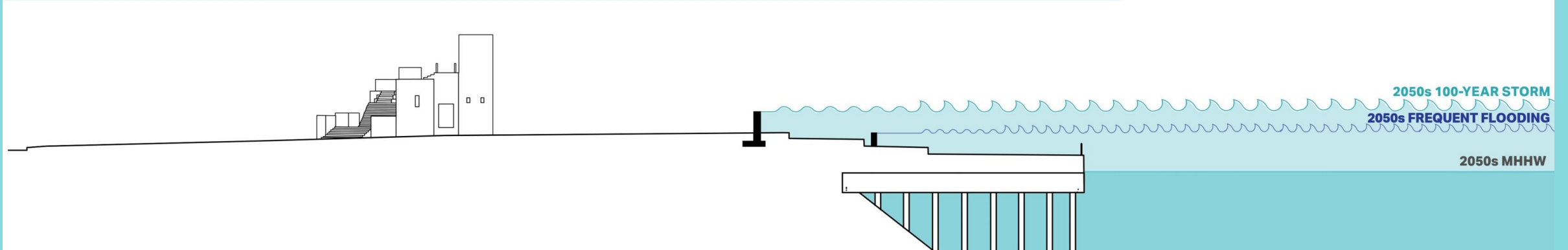
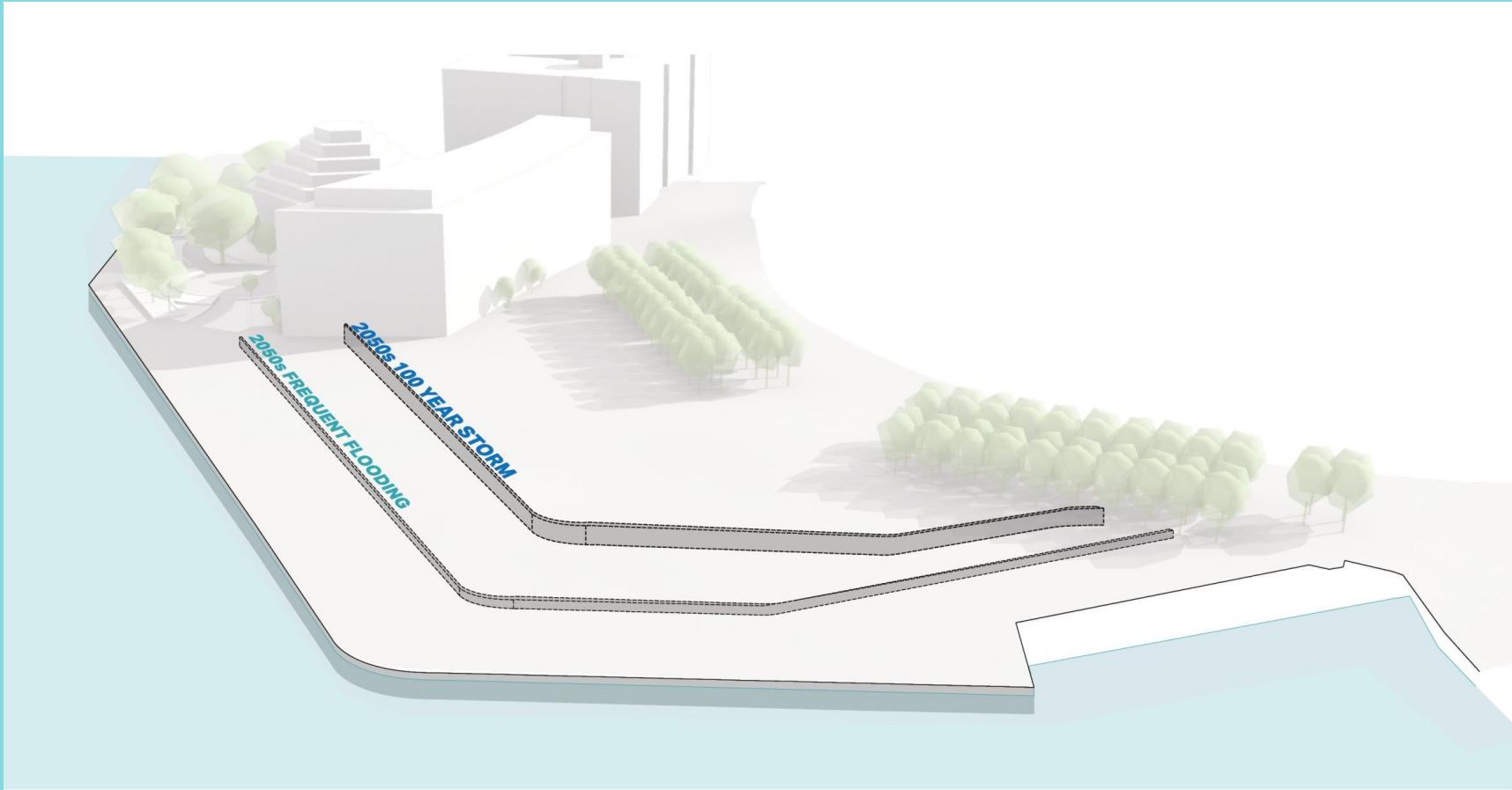


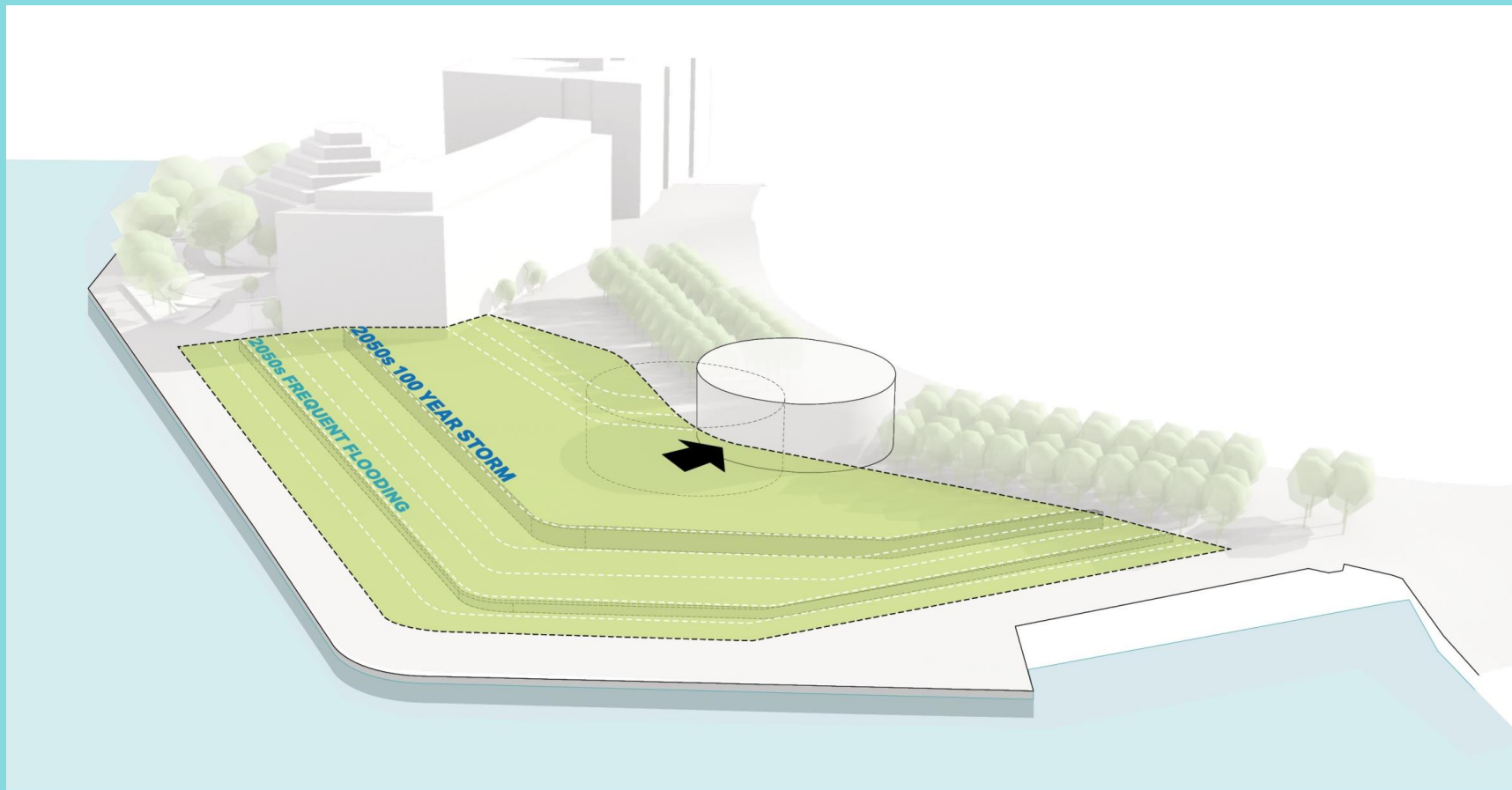
# WAGNER PARK | PROPOSED CONDITIONS





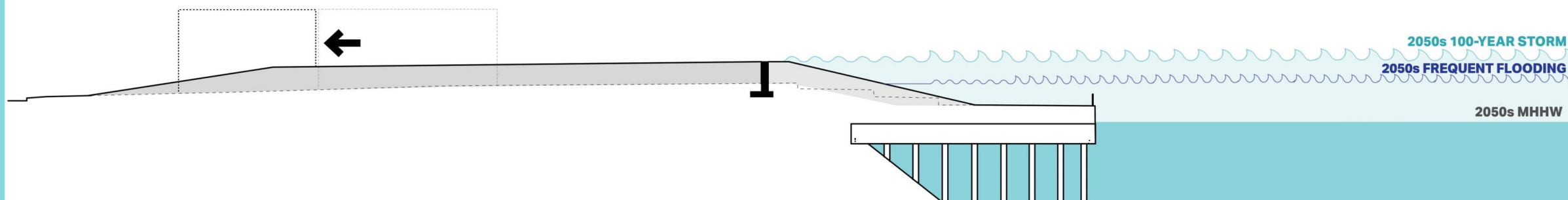
# 1 MAXIMIZE PROTECTED AREA

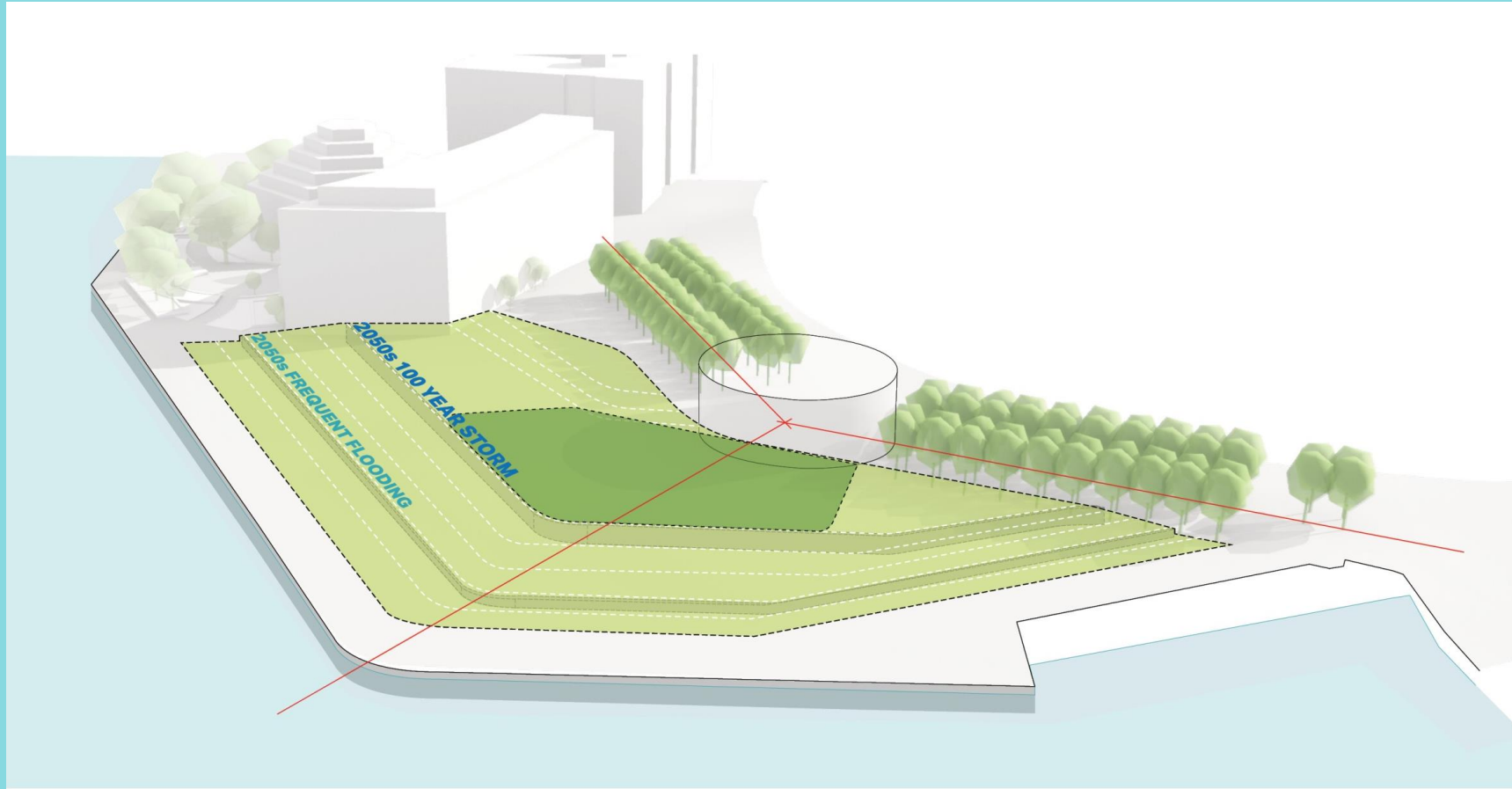




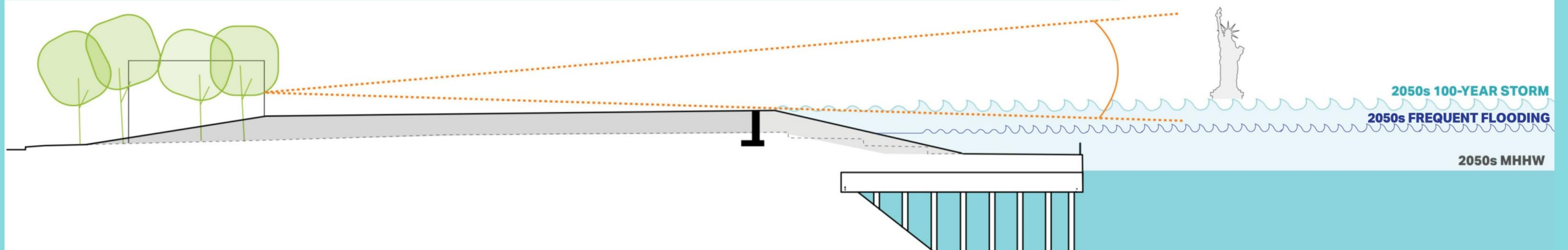
**1 MAXIMIZE PROTECTED AREA**

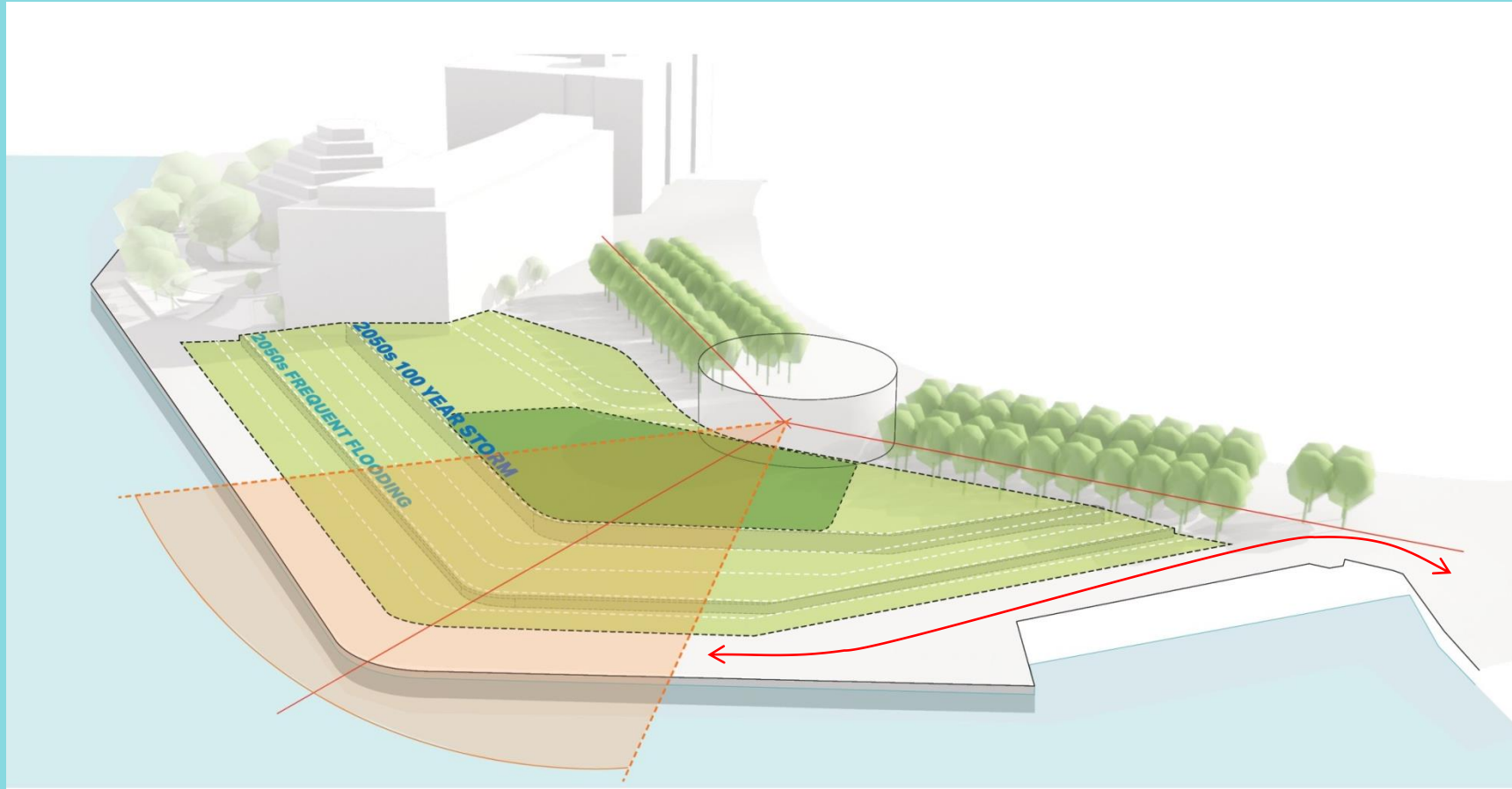
**2 MAXIMIZE PUBLIC SPACE**



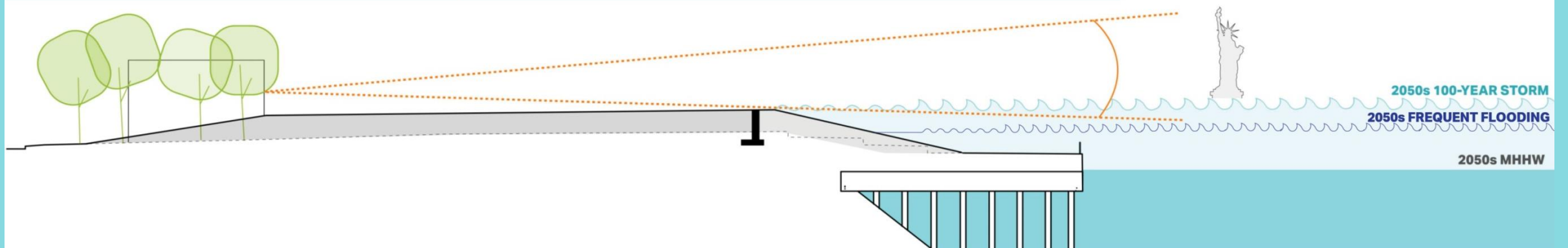


- 1 MAXIMIZE PROTECTED AREA**
- 2 MAXIMIZE PUBLIC SPACE**
- 3 MAINTAIN DESIGN LEGACY**





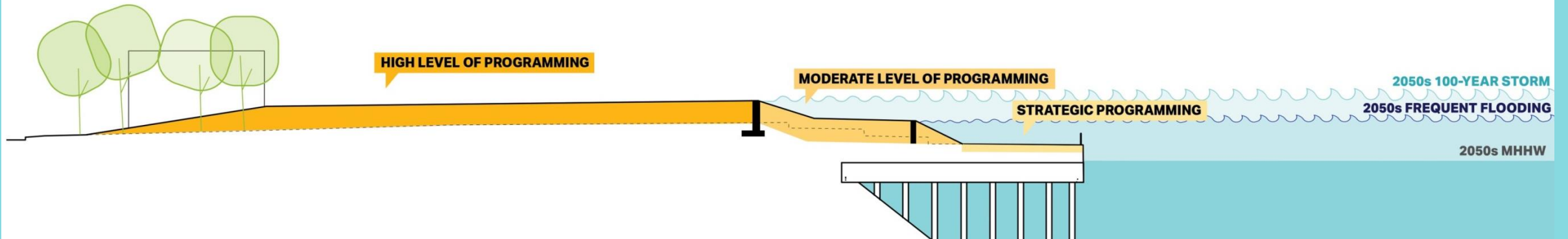
- 1 MAXIMIZE PROTECTED AREA**
- 2 MAXIMIZE PUBLIC SPACE**
- 3 MAINTAIN DESIGN LEGACY**
- 4 MAINTAIN VIEWS AND ACCESS TO WATERFRONT**

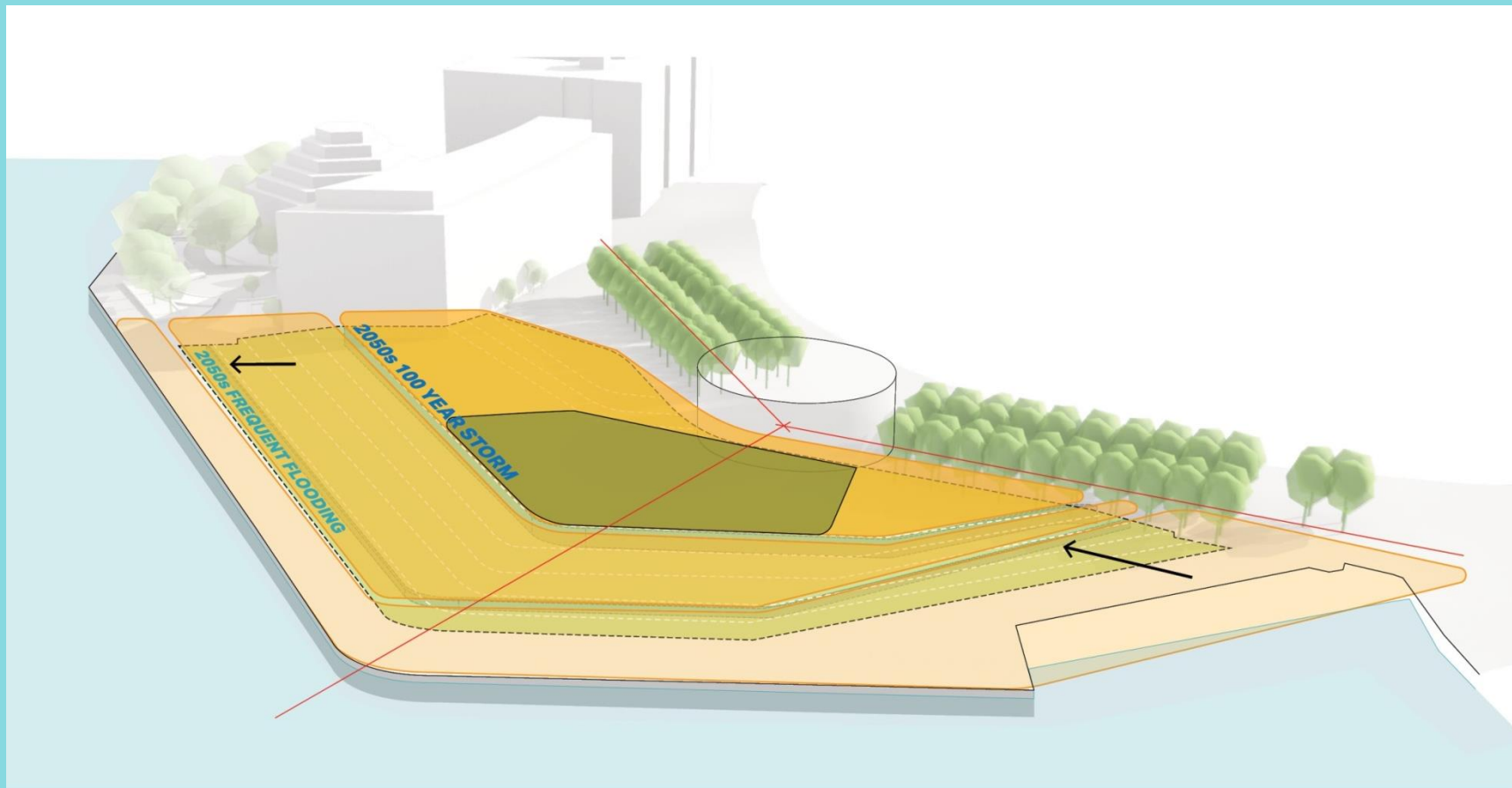




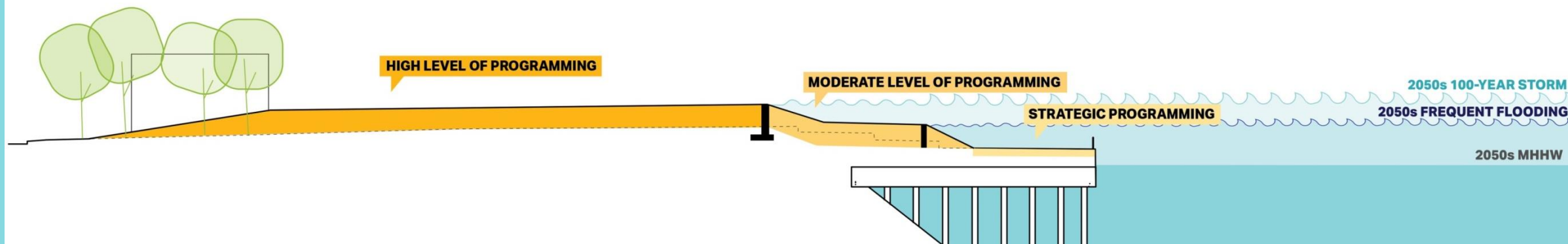


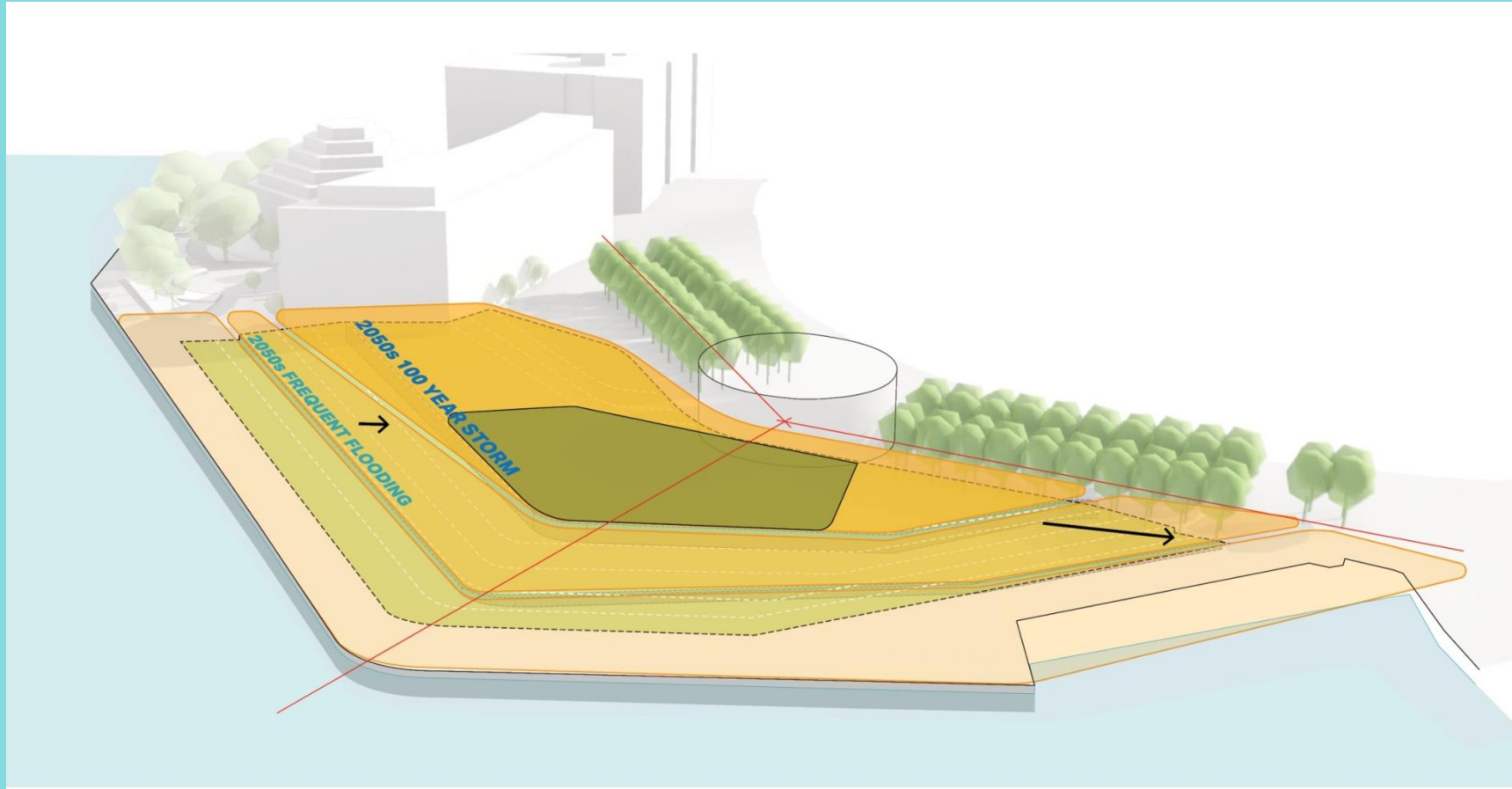
- 1 MAXIMIZE PROTECTED AREA**
- 2 MAXIMIZE PUBLIC SPACE**
- 3 MAINTAIN DESIGN LEGACY**
- 4 MAINTAIN VIEWS AND ACCESS TO WATERFRONT**
- 5 CREATE AN ADAPTABLE SITE**



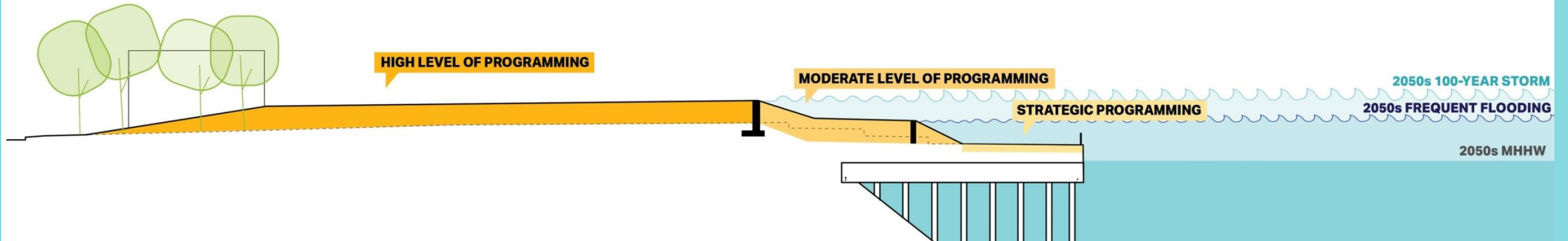


- 1 MAXIMIZE PROTECTED AREA**
- 2 MAXIMIZE PUBLIC SPACE**
- 3 MAINTAIN DESIGN LEGACY**
- 4 MAINTAIN VIEWS AND ACCESS TO WATERFRONT**
- 5 CREATE AN ADAPTABLE SITE**

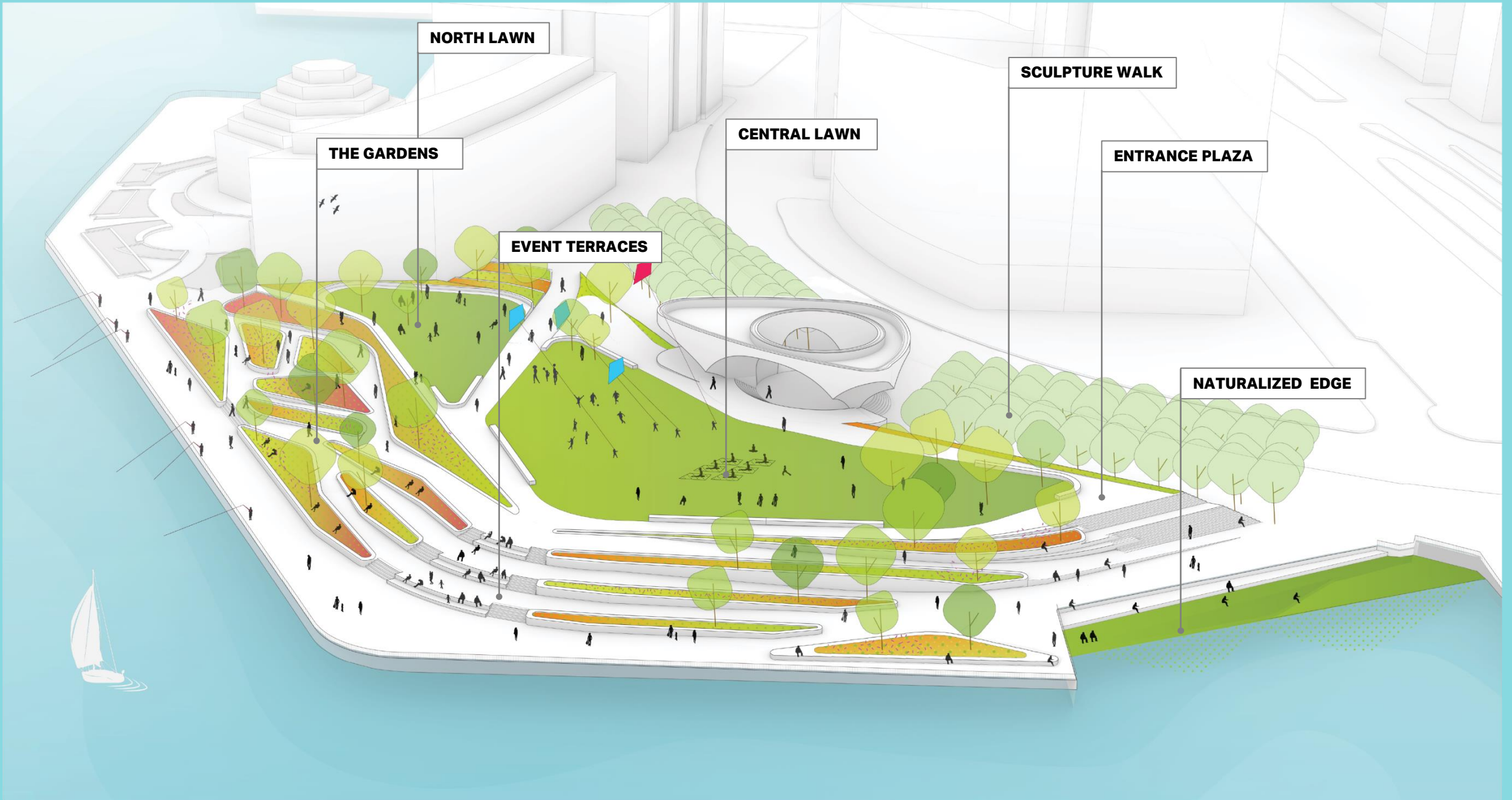




- 1 MAXIMIZE PROTECTED AREA**
- 2 MAXIMIZE PUBLIC SPACE**
- 3 MAINTAIN DESIGN LEGACY**
- 4 MAINTAIN VIEWS AND ACCESS TO WATERFRONT**
- 5 CREATE AN ADAPTABLE SITE**

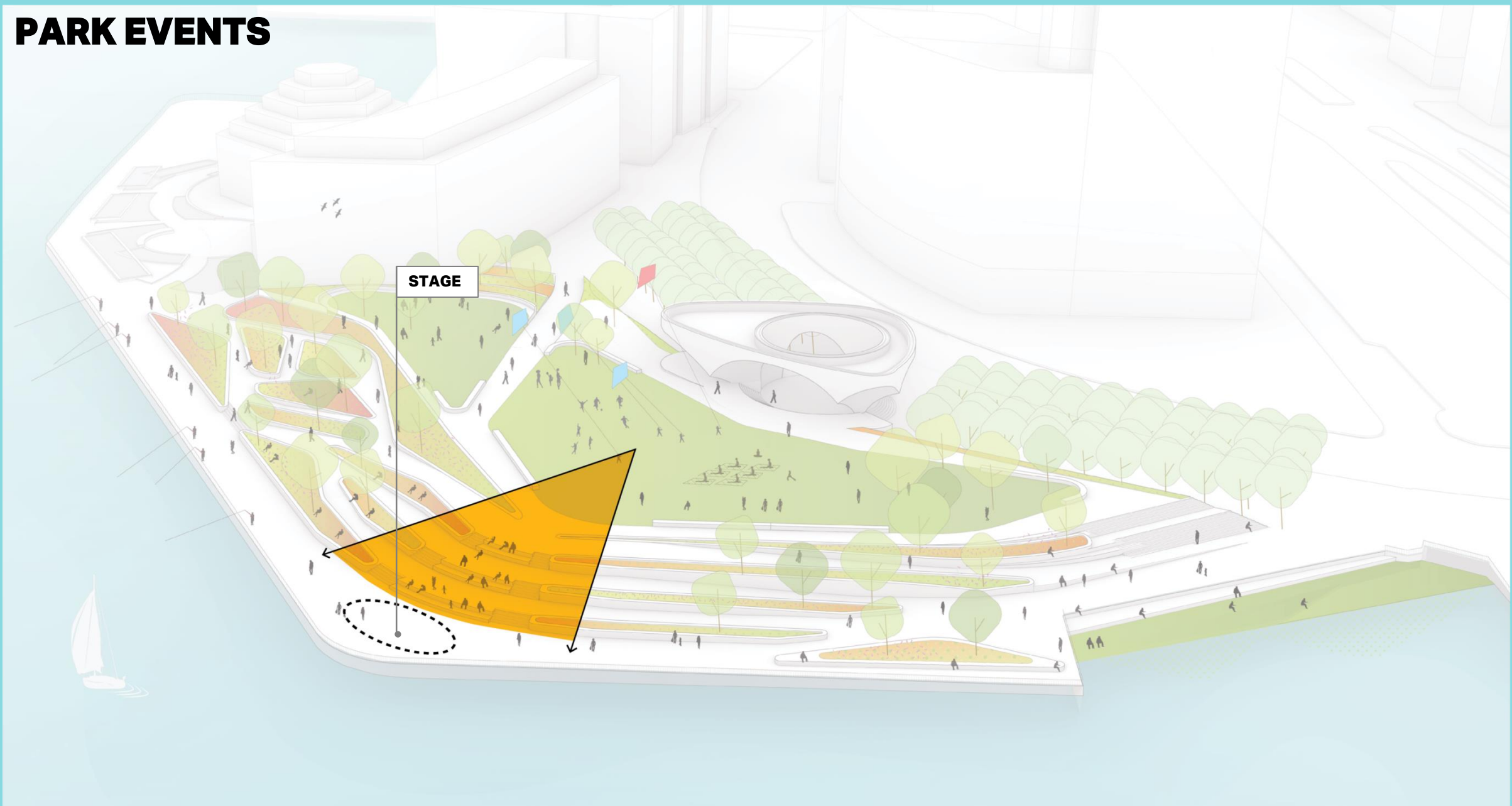




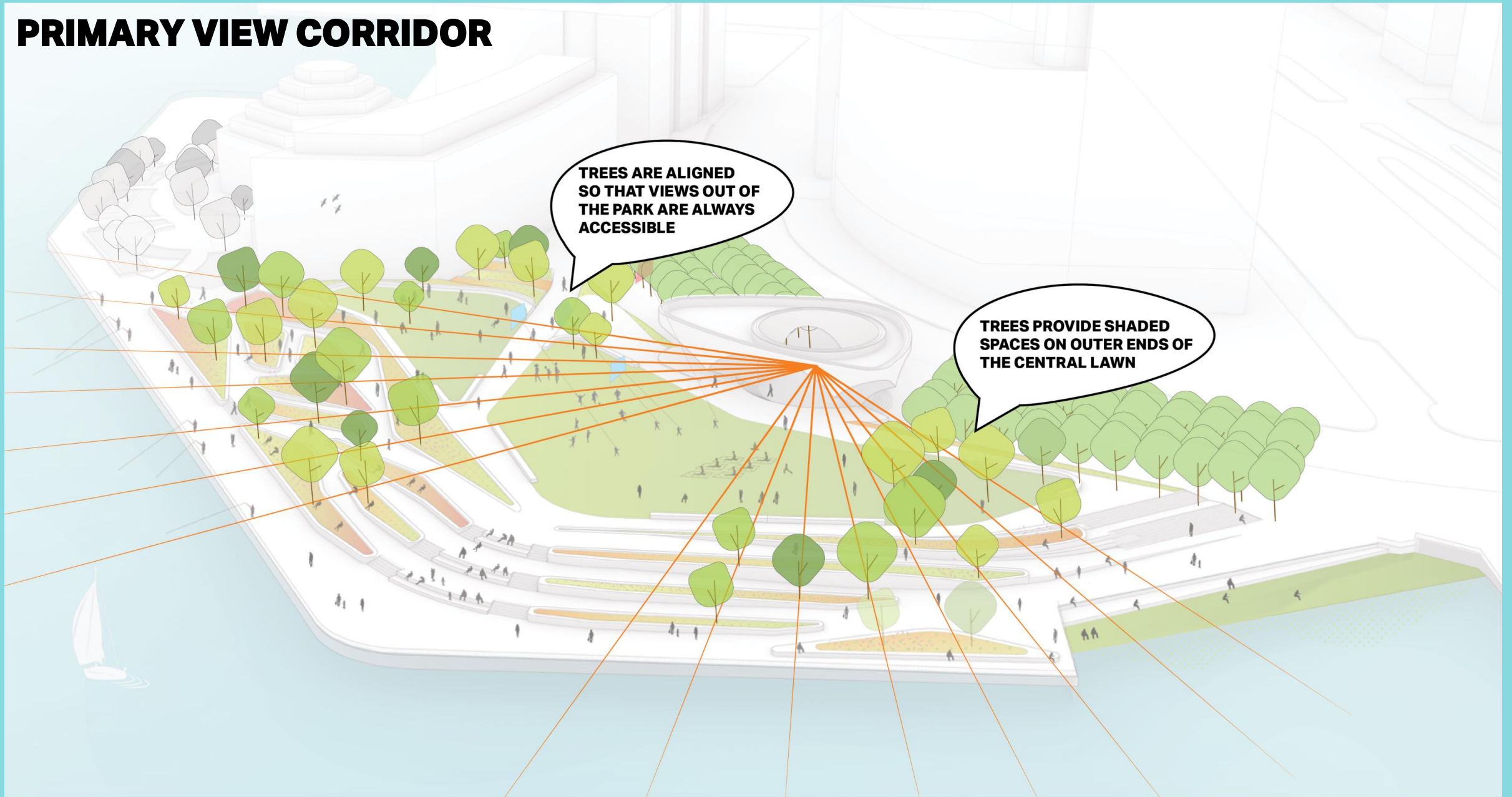




# PARK EVENTS



# PRIMARY VIEW CORRIDOR





















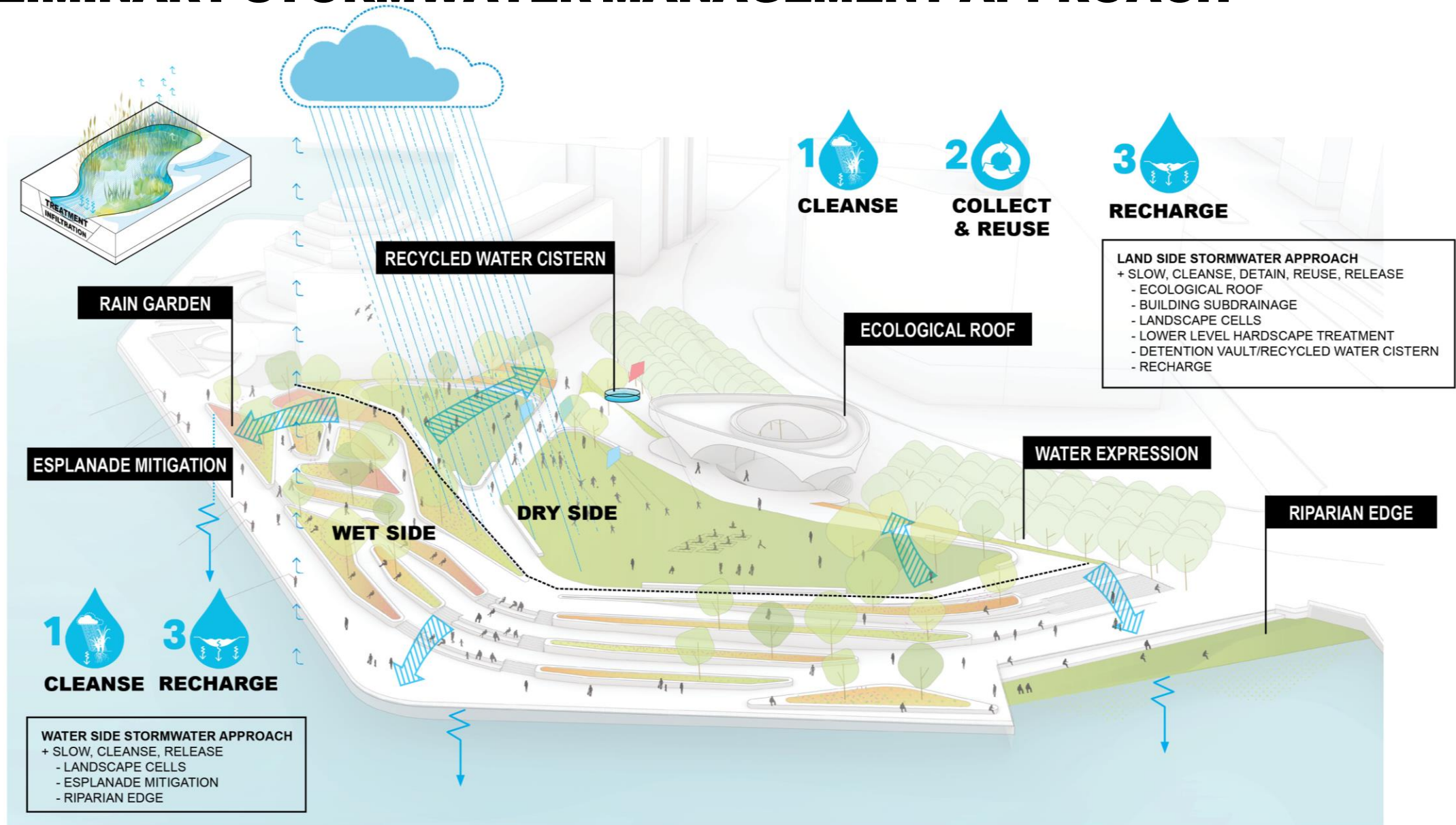




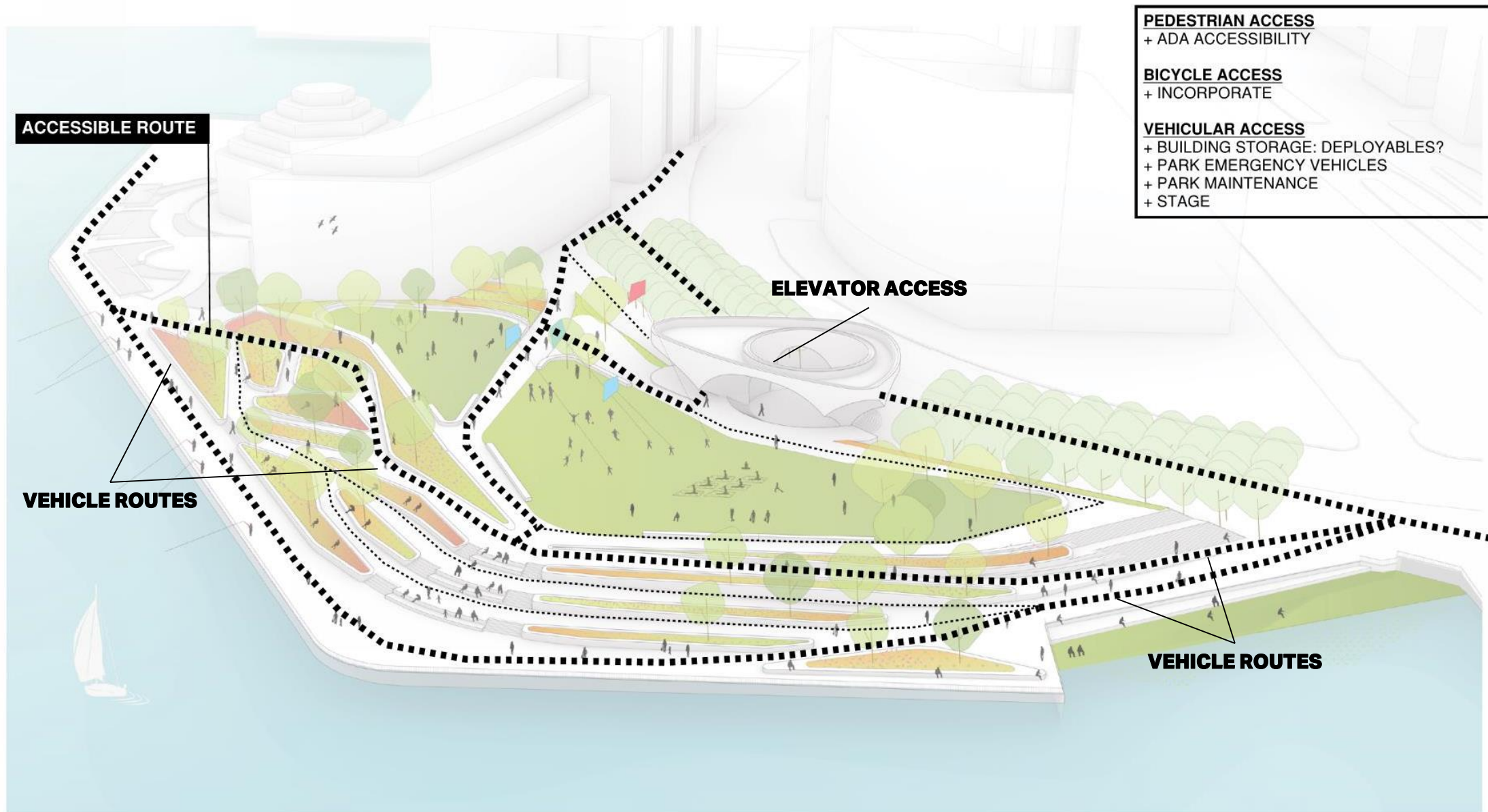




# PRELIMINARY STORMWATER MANAGEMENT APPROACH

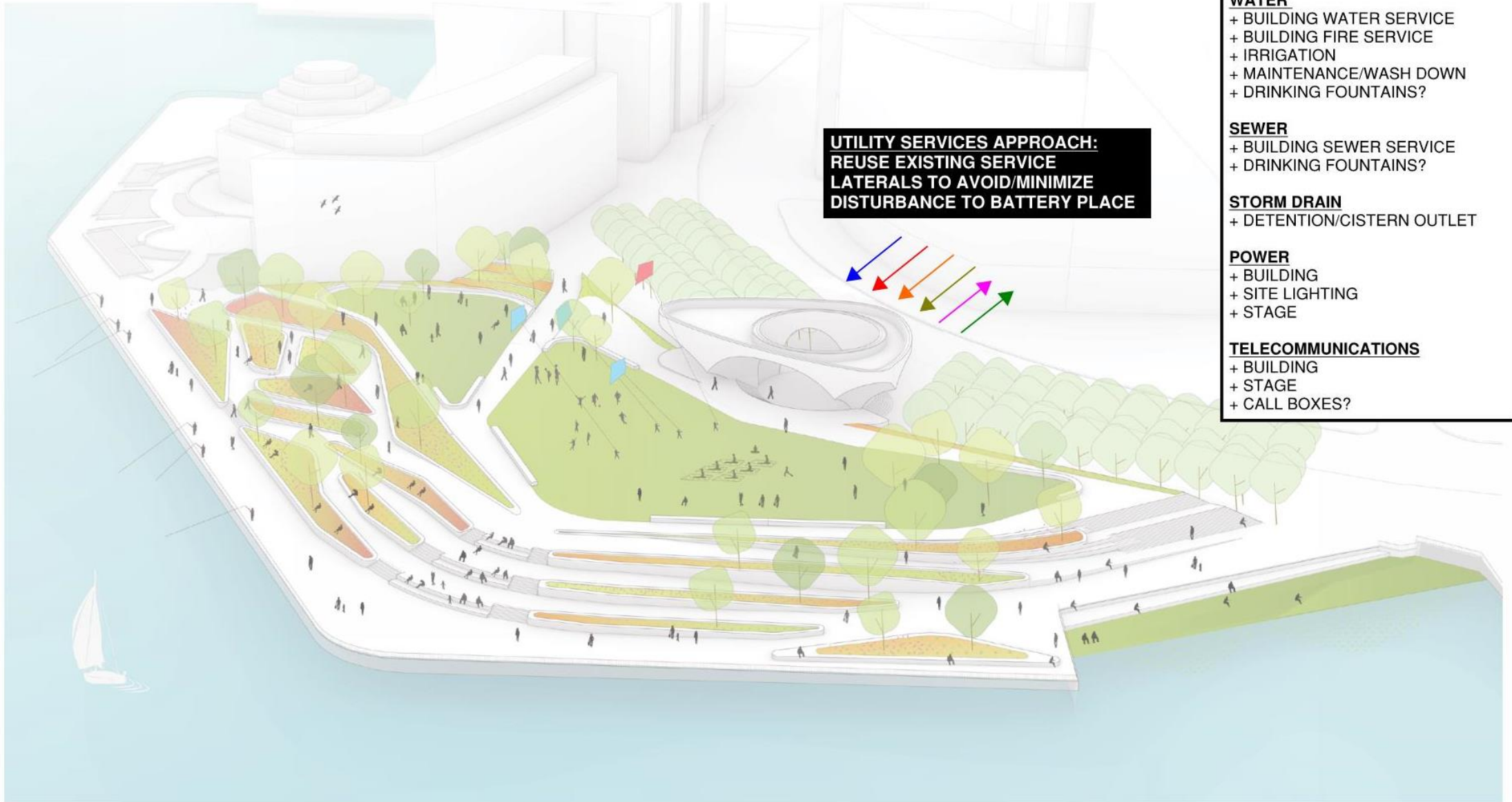


# ACCESS CONSIDERATIONS





# UTILITY PROVISIONING



# PAVILION STUDIES



# SEPTEMBER 6TH, 2019



- LAWN
- PERFORMATIVE GARDENS
- ORNAMENTAL GARDENS
- PAVEMENT DIFFERENTIATION
- SEATING ELEMENTS



## SBPC RESILIENCY



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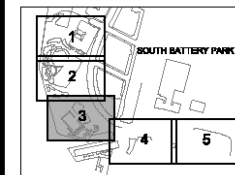
PROJECT  
SOUTH BATTERY PARK  
RESILIENCY DESIGN  
SERVICES

CLIENT  
HUGH L. CAREY  
BATTERY PARK CITY  
AUTHORITY

CONSULTANT

AECOM  
AECOM DESIGN AND ENGINEERING  
605 3rd Ave, 2nd Floor, New York, NY 10016  
212.673.3000 fax www.aecom.com  
SUB-CONSULTANT  
THOMAS PHIFER AND PARTNERS  
180 Vesck Street, Suite 1110,  
New York, NY 10014  
212.337.0334  
www.thomaspheer.com

KEY PLAN



REGISTRATION

PRELIMINARY  
NOT FOR CONSTRUCTION  
ISSUE/REVISION

ISSUE/REVISION	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

GROUND LEVEL PLAN

SHEET NUMBER

A101

Street Level Entrance

Battery Place



Legend Notes

- 01 Architectural Cast-In-Place Concrete
- 02 Concrete Structural Deck
- 03 Concrete Slab on Grade
- 04 Cast-In-Place Concrete
- 05 Concrete Foundation System
- 06 Architectural Cast-In-Place Concrete Stair
- 07 Metal Handrail
- 08 Steel and Glass Curtain Wall System
  - Steel Framed Glass Doors
  - Applied Ceramic Frit Screen
  - Anti-Birdnetting Treatment
- 09 Gypsum Wall Board, Metal Framing
  - Rafter Finish Schedule
- 10 Deck Pavens on Pedestal System
- 11 Insulation Over Waterproofing Membrane
  - On Sloped Concrete Roof Deck
  - Deck Sloped to Roof Drains
- 12 Gravel
- 13 Insulation Board
- 14 Below-Grade Drainage & Waterproofing System
- 15 Concrete Guardrail With Handrail
- 16 Exterior Walkway, Roof Landscape Dwg.
- 17 Operable Sunshading Device
- 18 Extensive Vegetated Green Roof Assembly
  - With Photovoltaic Panels
- 19 Glass Skylight System
- 20 Plumbing Fixture
- 21 Concrete Masonry Unit
- 22 Custom Circular Window
- 23 Ceramic Tile
- 24 Concrete Slab - Traffic Coating
- 25 Wood Plank Floor
- 26 Acoustic Wood Wall Panels
- 27 Rolling Garage Door

GROUND LEVEL PLAN



30% DRAFT DESIGN DOCUMENTS

Parks Support, Loading,  
Storage

Food Service Kitchen,  
Loading, Trash

Floor Areas

Ground Level	7,935 gsf
First Level	6,264 gsf
Second Level	4,036 gsf
TOTAL	18,235 gsf

Roof Level	7,242 gsf
------------	-----------

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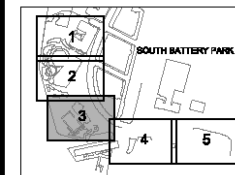
Battery Park  
City Authority

DRAFT FOR INTERNAL REVIEW ONLY

91  
AECOM



KEY PLAN



REGISTRATION

PRELIMINARY  
NOT FOR CONSTRUCTION

ISSUE/REVISION

DATE	DESCRIPTION
2018-08-24	30% Draft Design Submission
IR	DATE DESCRIPTION

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2586

SHEET TITLE

FIRST LEVEL PLAN

SHEET NUMBER

A102



Raise Equipment to Mezzanine Level Above DFE

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**PROJECT**  
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BATTERY PARK CITY  
AUTHORITY

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**AECOM**  
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212.673.3000 fax 212.673.3000 www.aecom.com

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180 Varick Street, Suite 1110,  
New York, NY 10014  
212.337.0334  
www.thomaspheffer.com

**KEY PLAN**

**REGISTRATION**

**PRELIMINARY  
NOT FOR CONSTRUCTION**

**ISSUE/REVISION**

IR	DATE	DESCRIPTION

**PROJECT/TERM CONTRACT NUMBER**  
Contract No. 18-2586

**SHEET TITLE**  
SECOND LEVEL PLAN

**SHEET NUMBER**  
A103



DRAFT

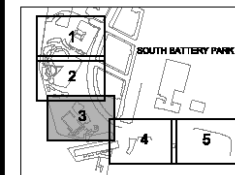
AECOM

PROJECT  
SOUTH BATTERY PARK  
RESILIENCY DESIGN  
SERVICES

CLIENT  
HUGH L. CAREY  
BATTERY PARK CITY  
AUTHORITY

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KEY PLAN



REGISTRATION

PRELIMINARY  
NOT FOR CONSTRUCTION  
ISSUE/REVISION

IR	DATE	DESCRIPTION

PROJECT/TERM CONTRACT NUMBER  
Contract No. 18-2586  
SHEET TITLE

ROOF LEVEL PLAN

SHEET NUMBER

A104

Green Roof, Photovoltaics

Planters

Green Roof, Photovoltaics

Public Terrace

Public Terrace

Floor Areas

Ground Level	7,935 gsf
First Level	6,264 gsf
Second Level	4,036 gsf
TOTAL	18,235 gsf
Roof Level	7,242 gsf

Legend Notes

- 01 Architectural Cast-In-Place Concrete
- 02 Concrete Structural Deck
- 03 Concrete Slab on Grade
- 04 Cast-In-Place Concrete
- 05 Concrete Foundation System
- 06 Architectural Cast-In-Place Concrete Stair
- 07 Metal Handrail
- 08 Steel and Glass Curtain Wall System
  - Steel Framed Glass Doors
  - Applied Ceramic Frit Screen
  - Anti-Birdstrikes Treatment
- 09 Gypsum Wall Board, Metal Framing
  - Rafter Finish Schedule
- 10 Deck Pavers on Pedestal System
- 11 Insulation Over Waterproofing Membrane
  - On Sloped Concrete Roof Deck
  - Deck Sloped to Roof Drains
- 12 Gravel
- 13 Insulation Board
- 14 Below-Grade Drainage & Waterproofing System
- 15 Concrete Guardrail With Handrail
- 16 Exterior Walkway, Roof Landscape Drwg.
- 17 Operable Sunshading Device
- 18 Extensive Vegetated Green Roof Assembly
  - With Photovoltaic Panels
- 19 Glass Skylight System
- 20 Plumbing Fixture
- 21 Concrete Masonry Unit
- 22 Custom Circular Window
- 23 Ceramic Tile
- 24 Concrete Slab - Traffic Coating
- 25 Wood Plank Floor
- 26 Acoustic Wood Wall Panels
- 27 Rolling Garage Door

ROOF LEVEL PLAN



30% DRAFT DESIGN DOCUMENTS

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SOUTH BATTERY PARK  
RESILIENCY DESIGN  
SERVICES

CLIENT

HUGH L. CAREY  
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180 Varot Street, Suite 1110,  
New York, NY 10014  
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KEY PLAN



REGISTRATION

PRELIMINARY  
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ISSUE/REVISION

DATE	DESCRIPTION
2019-08-24	30% Draft Design Submission

PROJECT/TERM CONTRACT NUMBER

Contract No. 18-2588

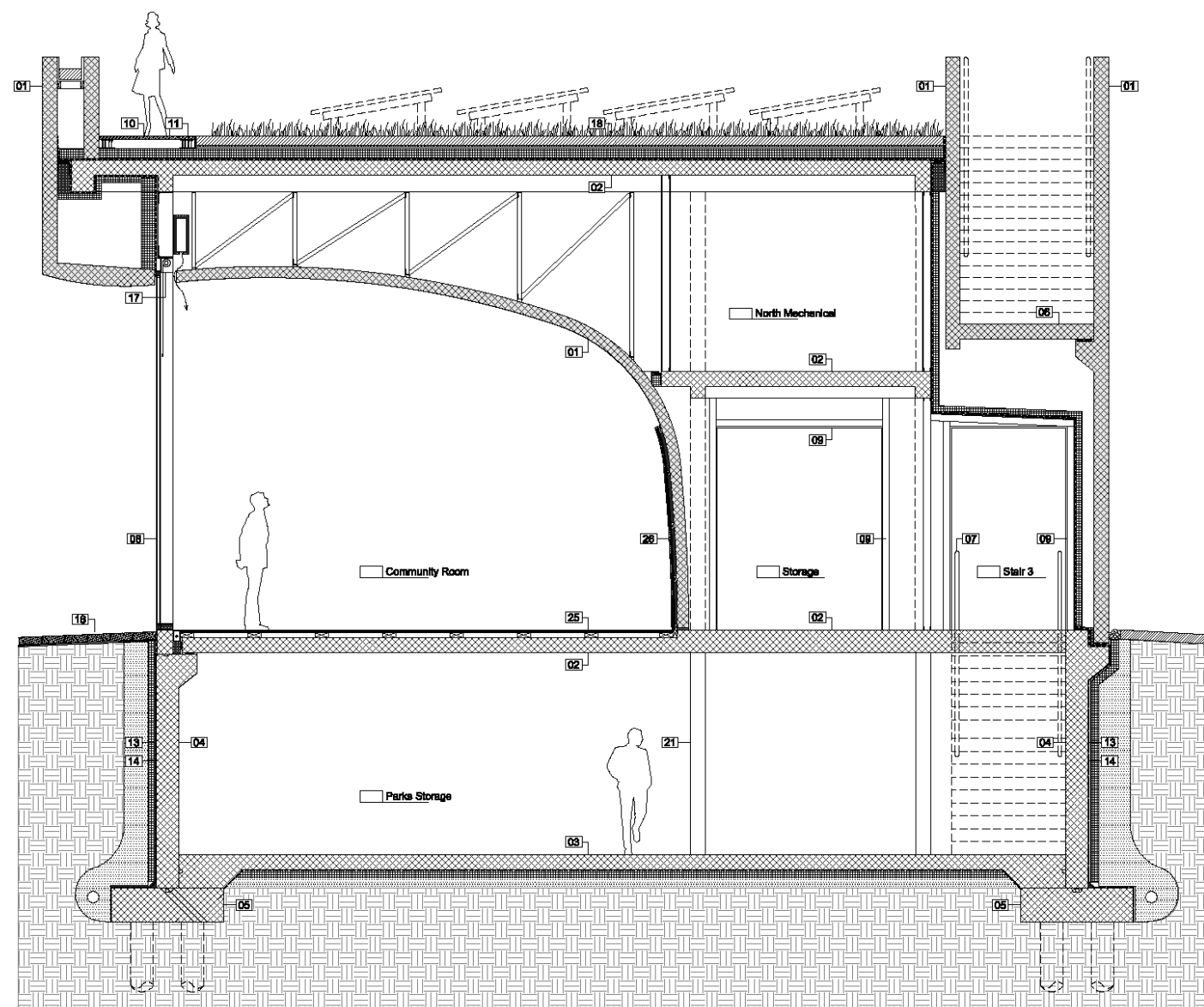
SHEET TITLE

WALL SECTIONS

SHEET NUMBER

A401

ANSI D 22 x 34"



Legend Notes

- 01 Architectural Cast-In-Place Concrete
- 02 Concrete Structural Deck
- 03 Concrete Slab on Grade
- 04 Cast-In-Place Concrete
- 05 Concrete Foundation System
- 06 Architectural Cast-In-Place Concrete Stair
- 07 Metal Handrail
- 08 Steel and Glass Curtain Wall System
  - Steel Framed Glass Doors
  - Applied Ceramic Frit Screen
  - Anti-Birdstrike Treatment
- 09 Gypsum Wall Board, Metal Framing
- 10 Deck Pavers on Pedestal System
- 11 Insulation Over Waterproofing Membrane
  - On Sloped Concrete Roof Deck
  - Deck Sloped to Roof Drains
- 12 Gravel
- 13 Insulation Board
- 14 Below-Grade Drainage & Waterproofing System
- 15 Concrete Guardrail With Handrail
- 16 Exterior Walkway, Ref. Landscape Dwgs.
- 17 Operable Sunshading Device
- 18 Extensive Vegetated Green Roof Assembly
  - With Photovoltaic Panels
- 19 Glass Skylight System
- 20 Plumbing Fixture
- 21 Concrete Masonry Unit
- 22 Custom Circular Window
- 23 Ceramic Tile
- 24 Concrete Slab - Traffic Coating
- 25 Wood Plank Floor Over Wood Sub-Frame
- 26 Acoustic Wood Wall Panels

+45'-0" Parapet  
+42'-3" Roof Level  
+31'-9" Second Level  
+29'-3" Ceiling  
+20'-3" First Level  
+10'-3" Ground Level

GRAPHIC SCALE: 3/8" = 1'-0"

30% DRAFT DESIGN DOCUMENTS



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**AECOM**

**PROJECT**

**SOUTH BATTERY PARK  
RESILIENCY DESIGN  
SERVICES**

**CLIENT**

**HUGH L. CAREY  
BATTERY PARK CITY  
AUTHORITY**

**CONSULTANT**

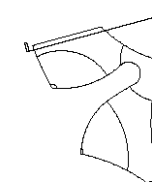
**AECOM**

AECOM DESIGN AND ENGINEERING  
606 3rd Ave, 2nd Floor, New York, NY 10016  
212.875.2900 fax 212.875.2901 www.aecom.com

**SUB-CONSULTANT**

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New York, NY 10014  
212.337.0334  
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**KEY PLAN**



**REGISTRATION**

**PRELIMINARY  
NOT FOR CONSTRUCTION**

**ISSUE/REVISION**

IR	DATE	DESCRIPTION

**PROJECT/TERM CONTRACT NUMBER**

Contract No. 18-2588

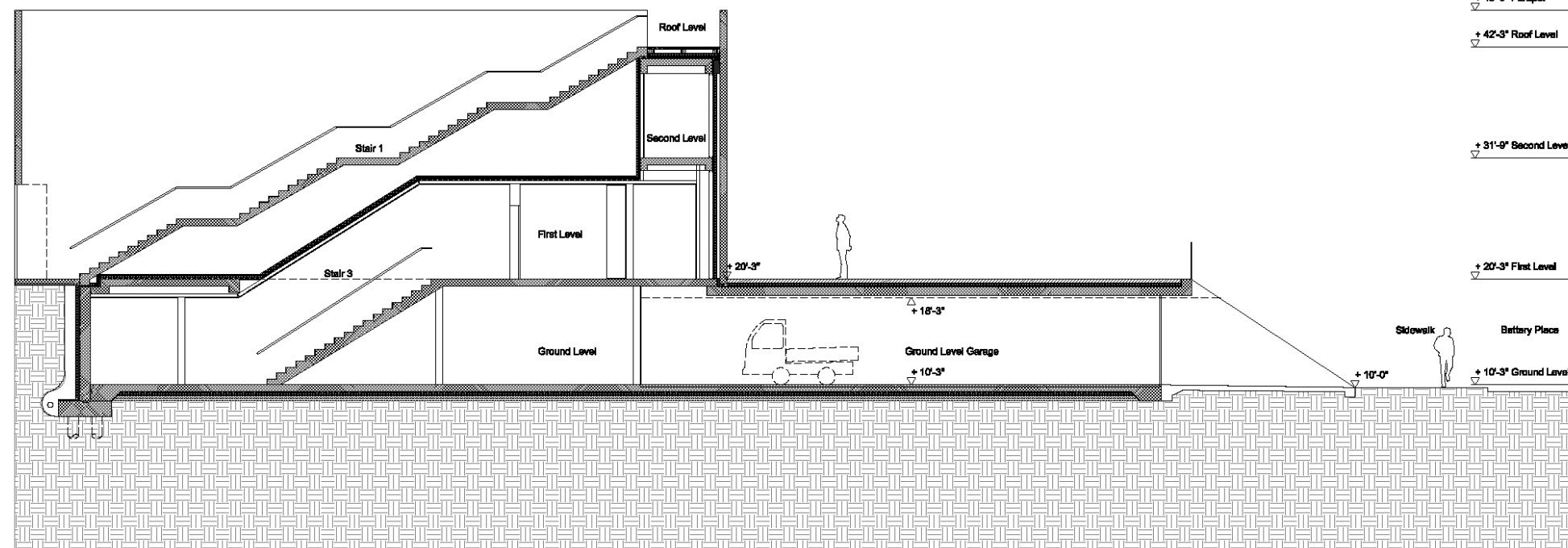
**SHEET TITLE**

**WALL SECTIONS**

**SHEET NUMBER**

**A400**

ANSI D 22" x 34"



GRAPHIC SCALE: 3/16" = 1'-0"  
0 5 10'

Printed on 30% Recycled Paper  
30% Recycled Content Paper

30% DRAFT DESIGN DOCUMENTS

# THE BATTERY| PAVILION

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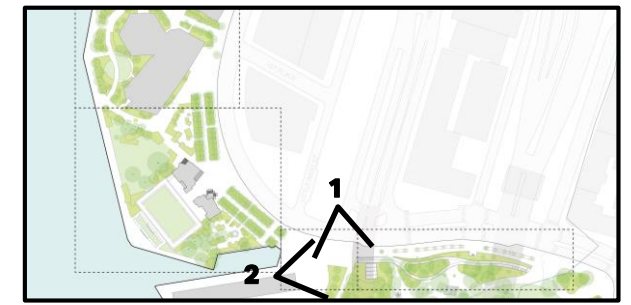






# PIER A PLAZA

# PIER A PLAZA



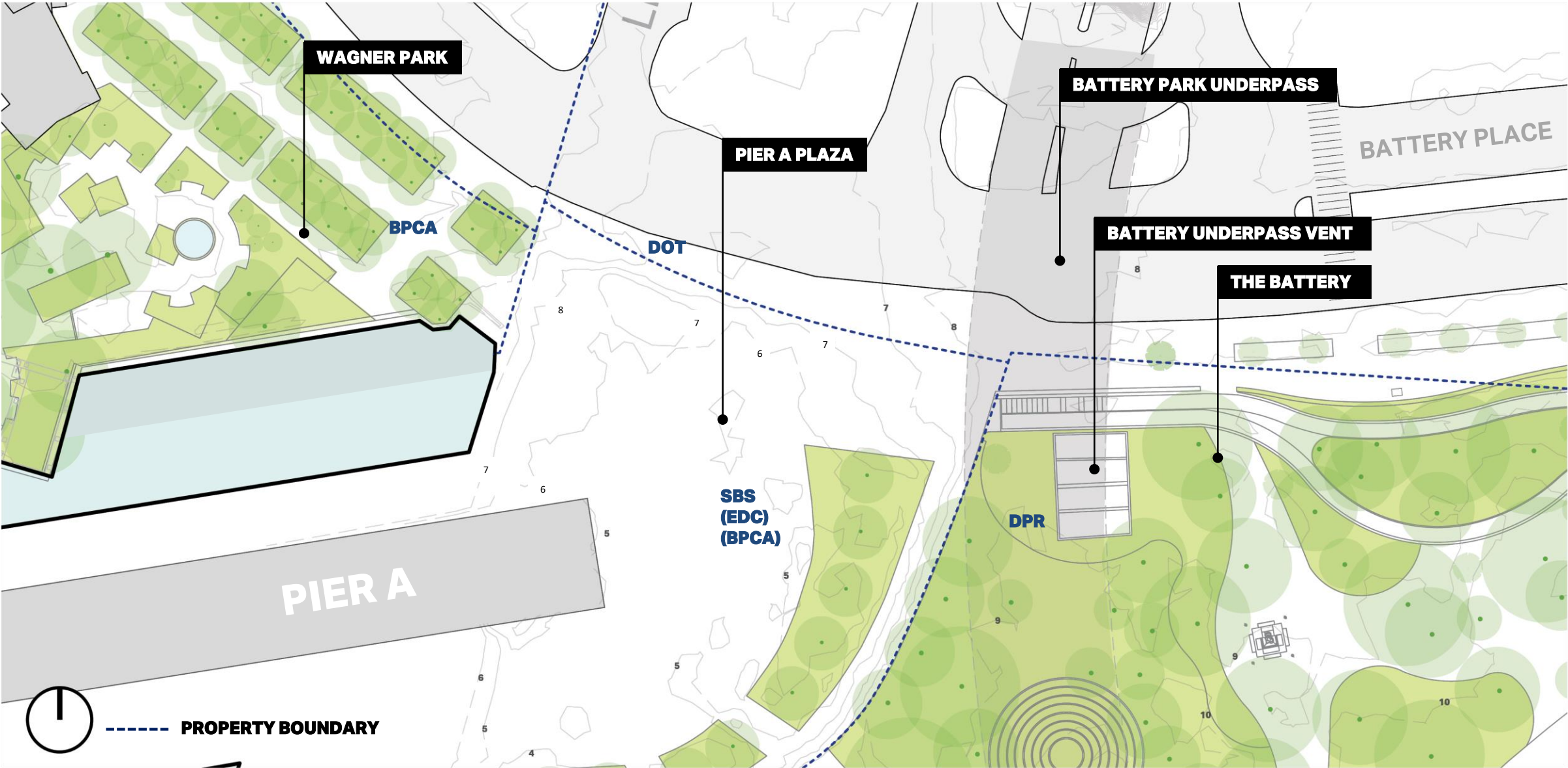
**1. VIEW LOOKING SOUTH FROM BATTERY PLACE**



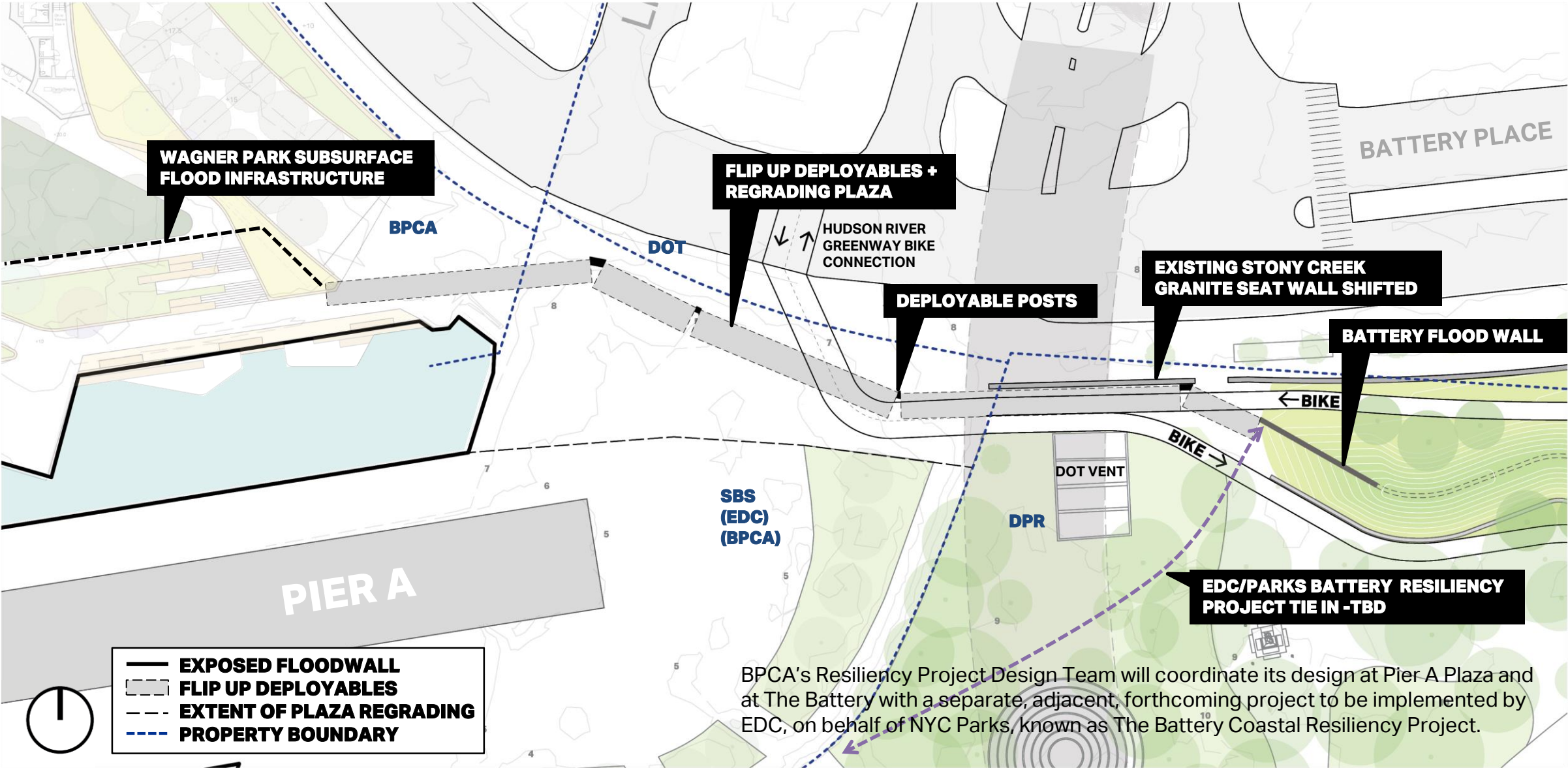
**2. VIEW LOOKING EAST FROM PIER A PLAZA**



# PIER A PLAZA | EXISTING CONDITIONS

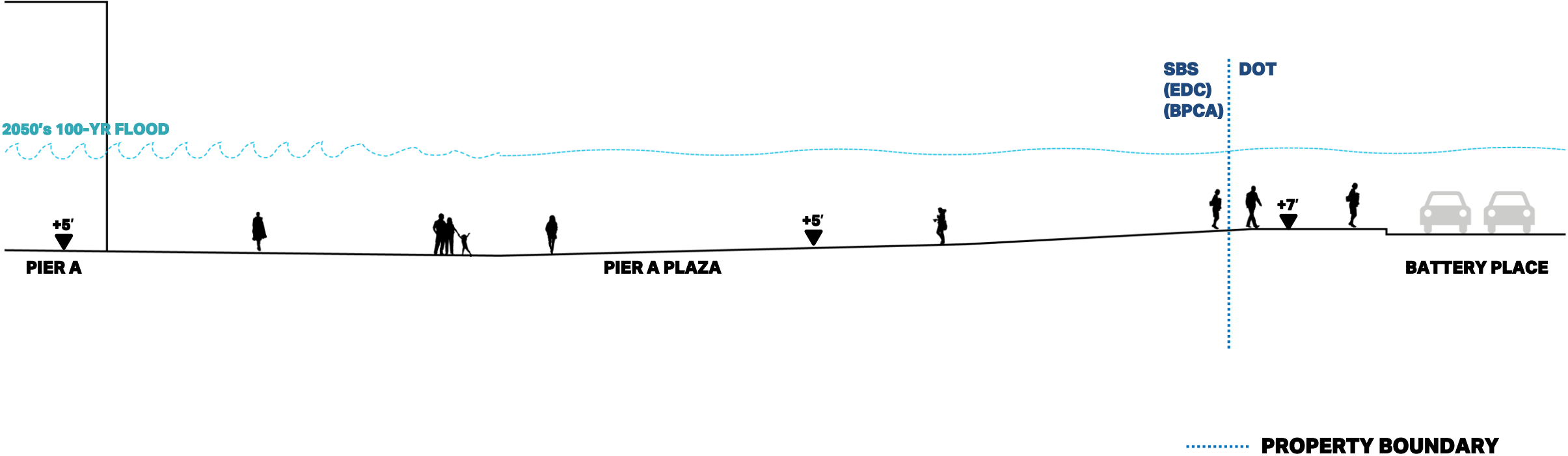
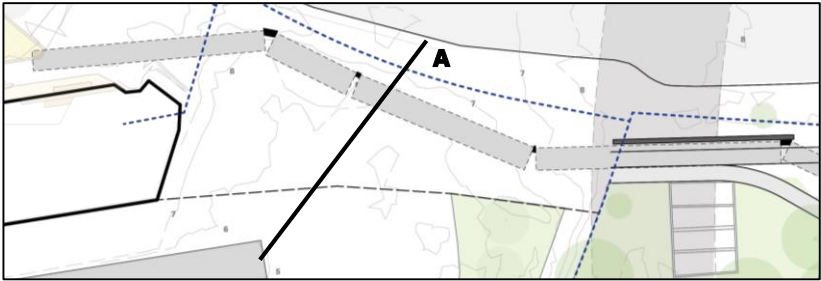


# PIER A PLAZA | PROPOSED CONDITIONS

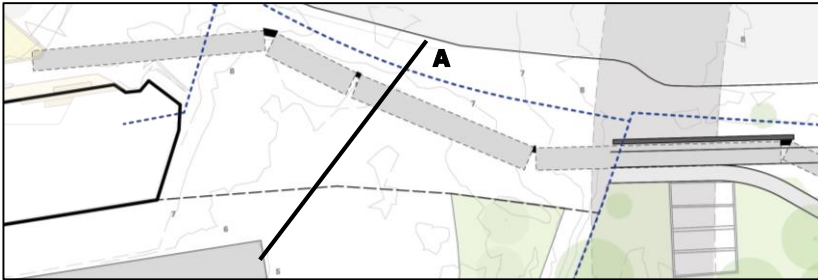




# PIER A PLAZA | EXISTING CONDITIONS



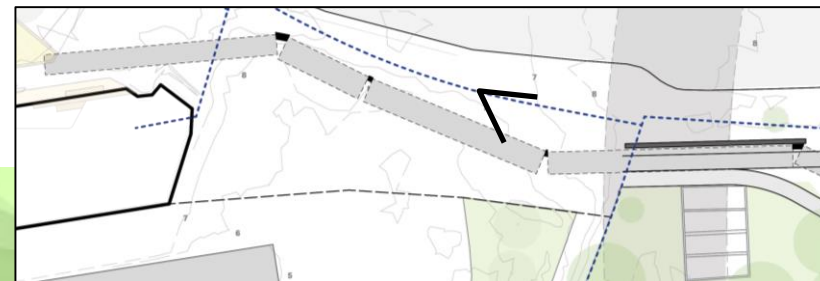
# PIER A PLAZA | PROPOSED CONDITIONS





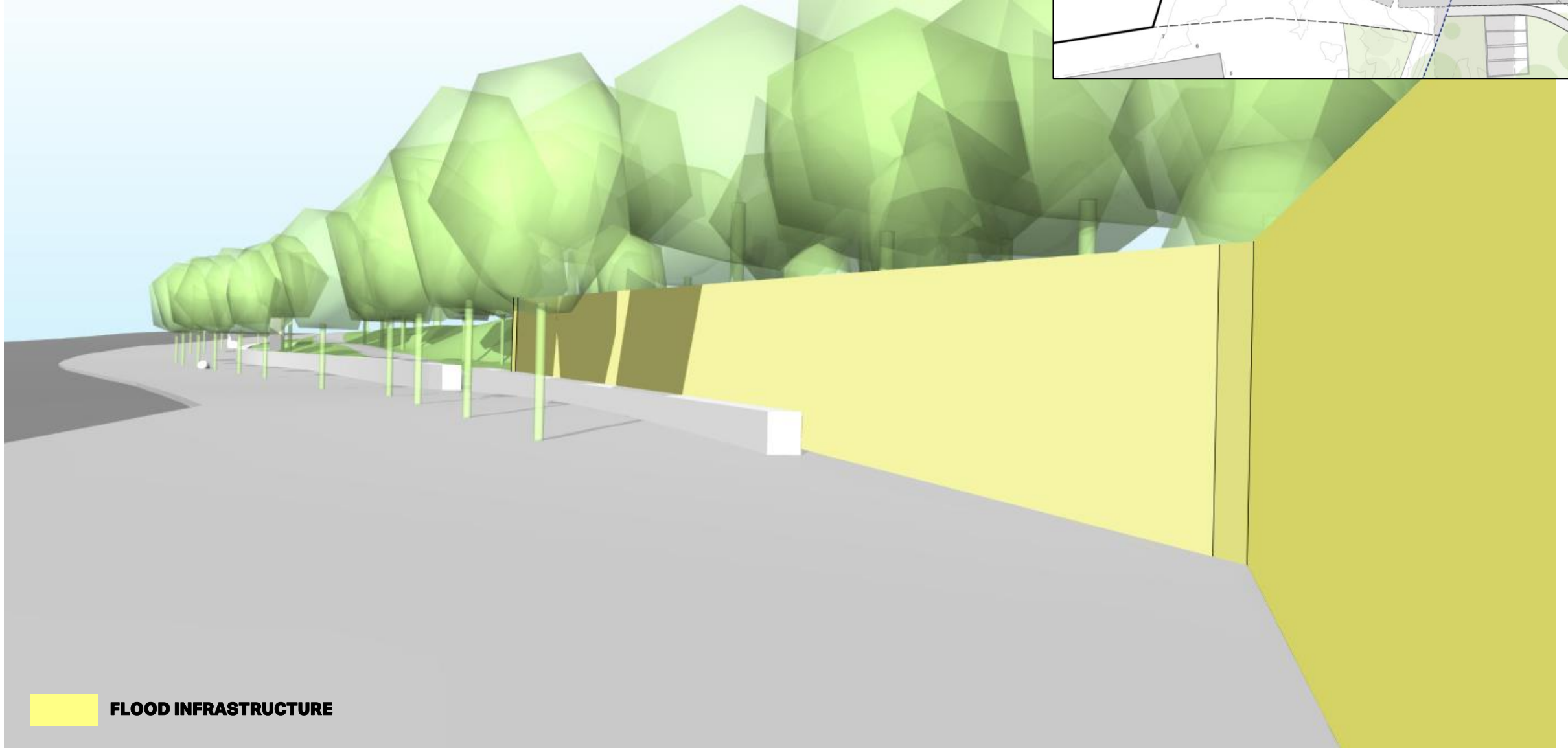
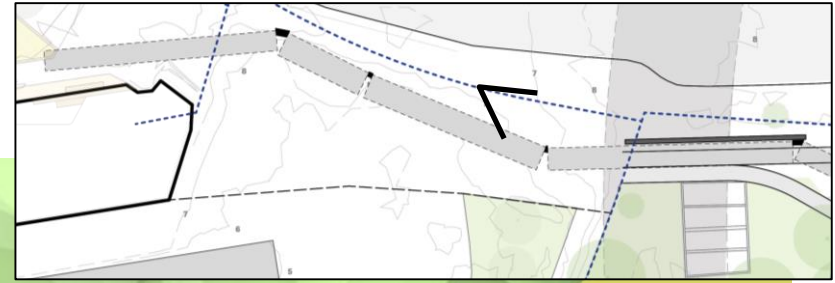
# PIER A PLAZA VIEW | PROPOSED CONDITIONS

## VIEW LOOKING EAST FROM PIER A PLAZA – NOT DEPLOYED



# PIER A PLAZA VIEW | PROPOSED CONDITIONS

## VIEW LOOKING EAST FROM PIER A PLAZA - DEPLOYED



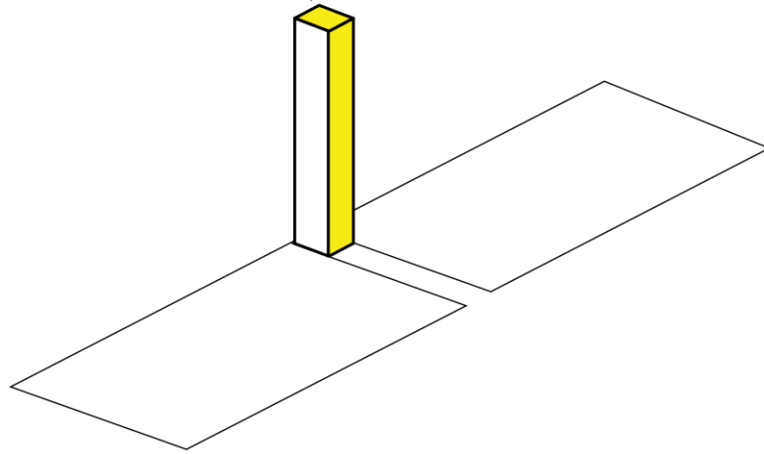
 **FLOOD INFRASTRUCTURE**



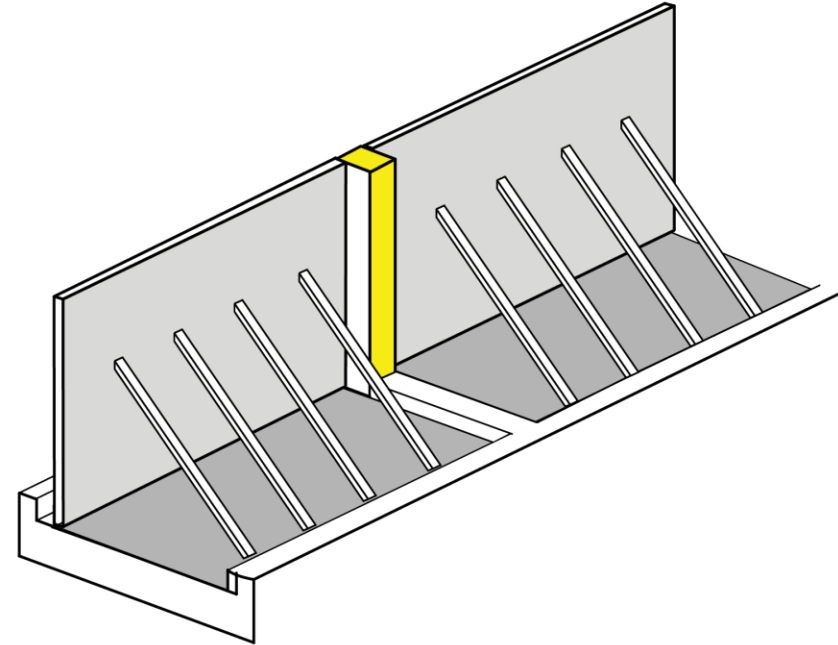
# PIER A PLAZA | FLIP UP DEPLOYABLE COLUMN OPTION

\* WHETHER COLUMNS / POSTS ARE PERMANENT TO BE DETERMINED BY MANUFACTURER

COLUMNS CAN BE PROGRAMMED  
AND CAN CHANGE SIZE AND SHAPE  
DEPENDING ON PROGRAM



**NORMAL CONDITIONS**



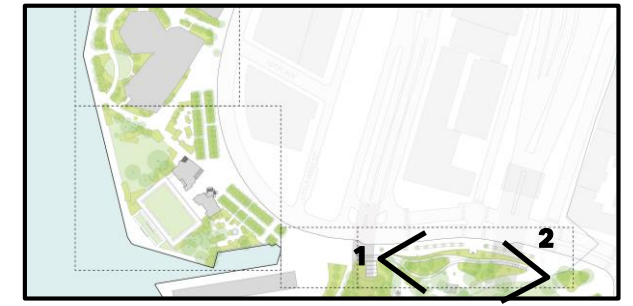
**DEPLOYED**

 **SIZE AND SHAPE VARIABILITY**

# THE BATTERY



# THE BATTERY



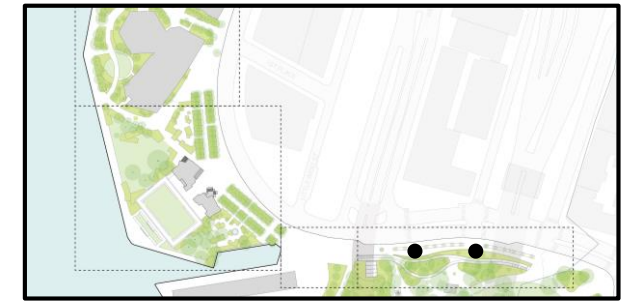
**1. VIEW LOOKING EAST FROM BIKEWAY**



**2. VIEW LOOKING WEST FROM INSIDE THE BATTERY**



# THE BATTERY | EXISTING MONUMENTS



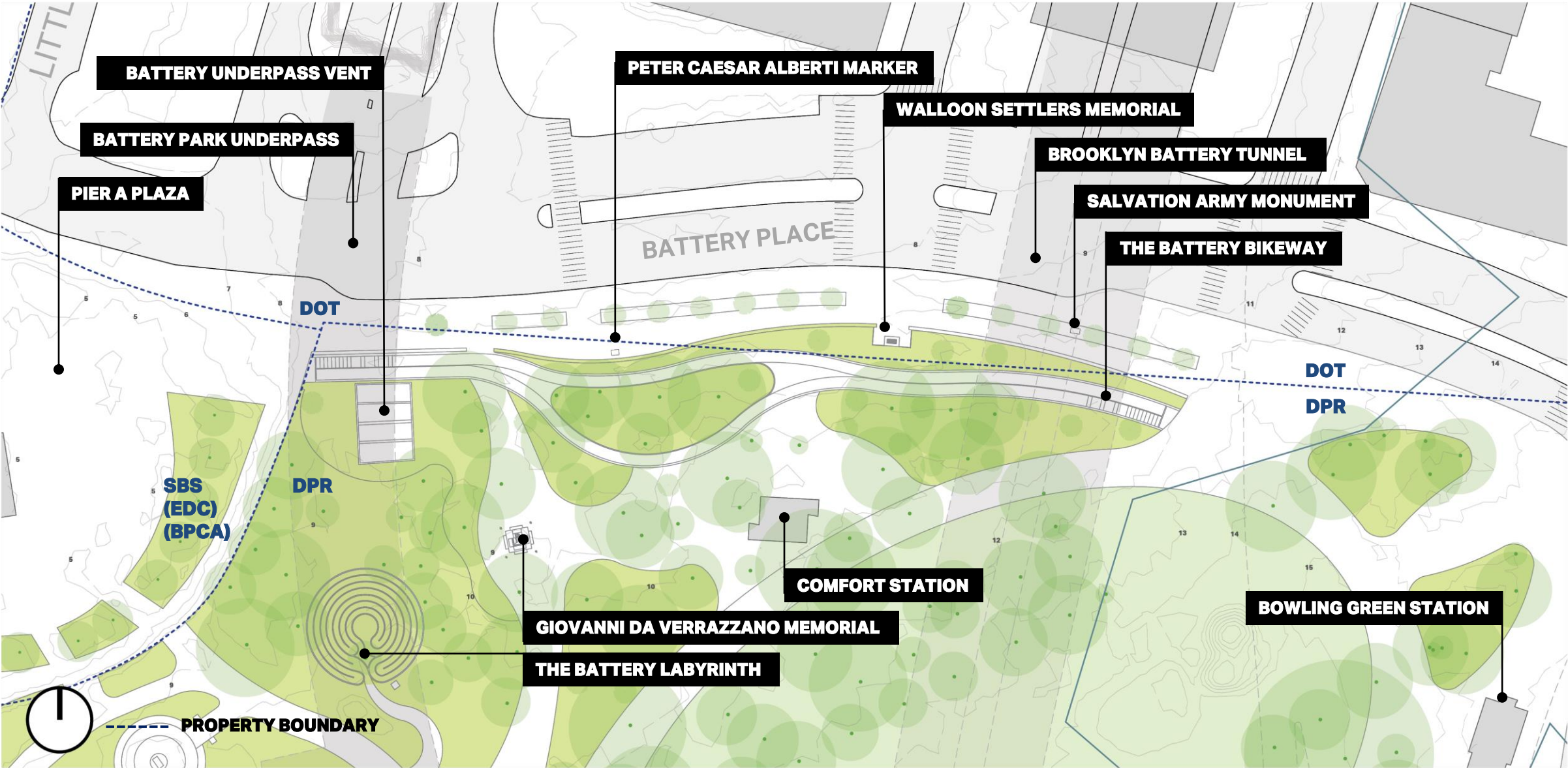
**WALLOON SETTLER'S MONUMENT**



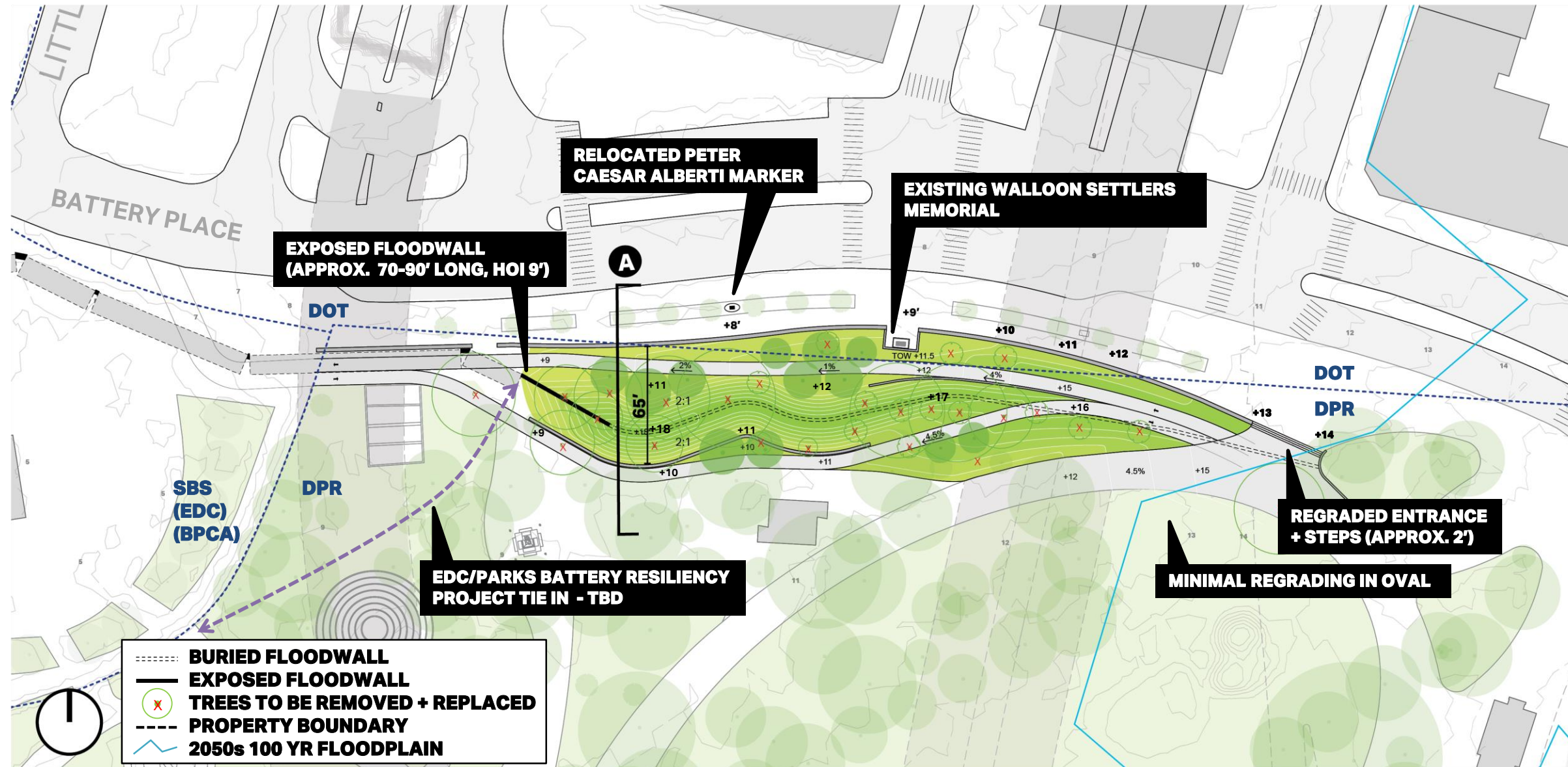
**PETER CAESAR ALBERTI MARKER**



# BATTERY BIKEWAY| EXISTING CONDITIONS



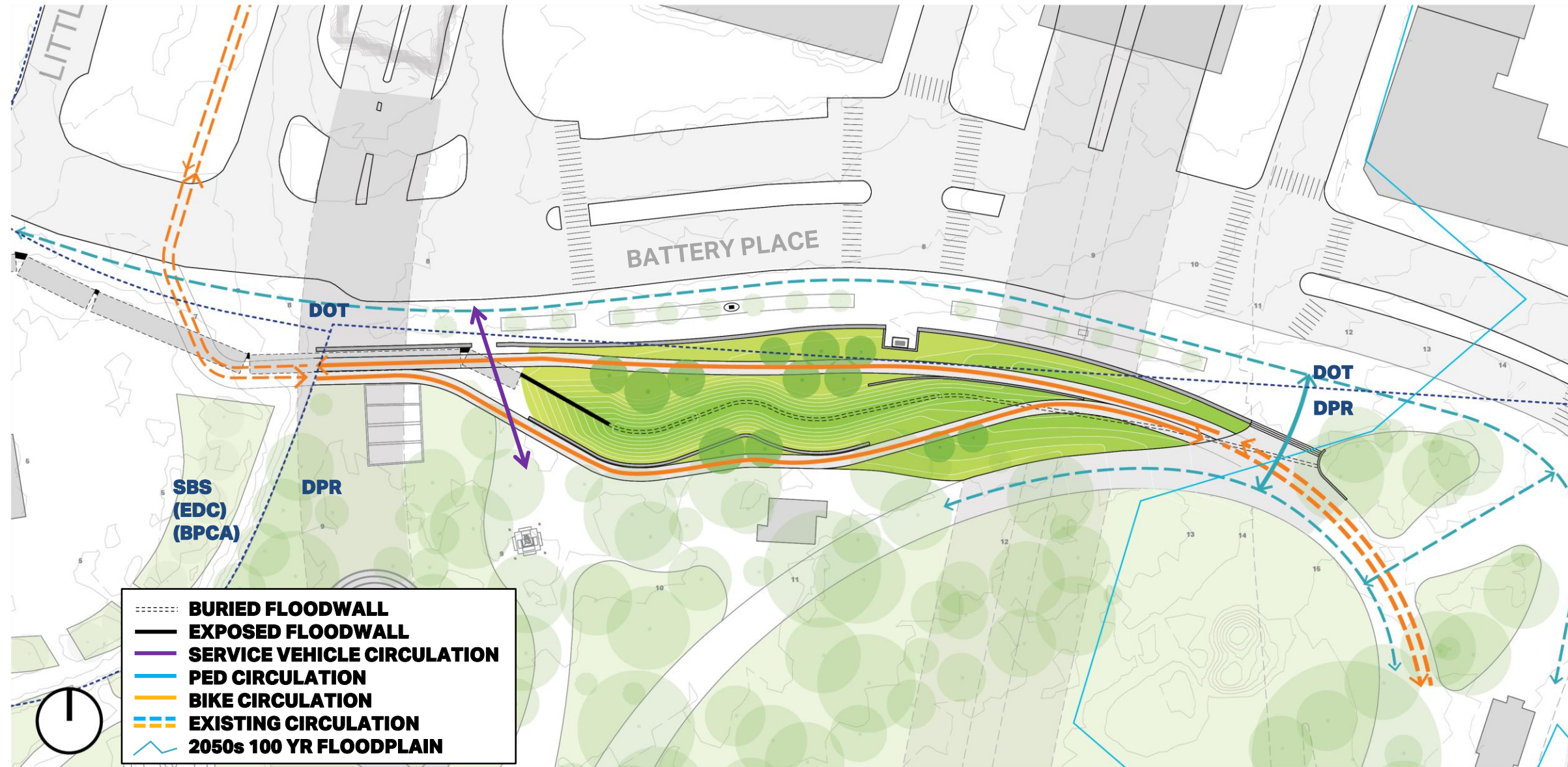
# BATTERY BIKEWAY | NEW PROPOSED CONDITIONS





# BATTERY BIKEWAY | PROPOSED CONDITIONS

## CIRCULATION



# BATTERY BIKEWAY | PROPOSED CONDITIONS

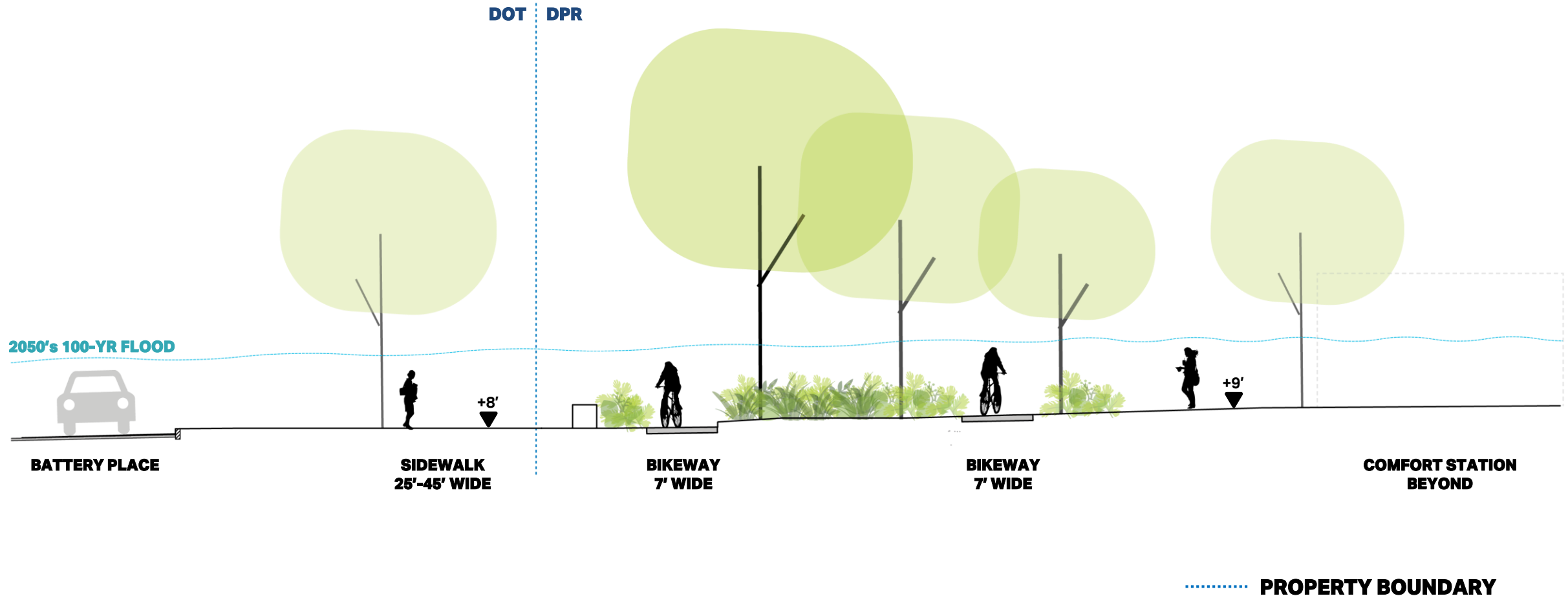
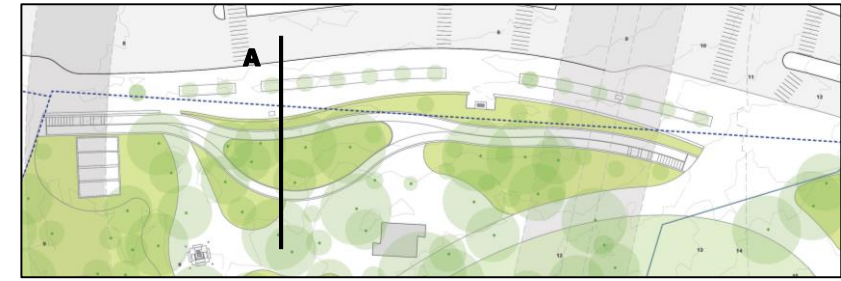
## PROFILE





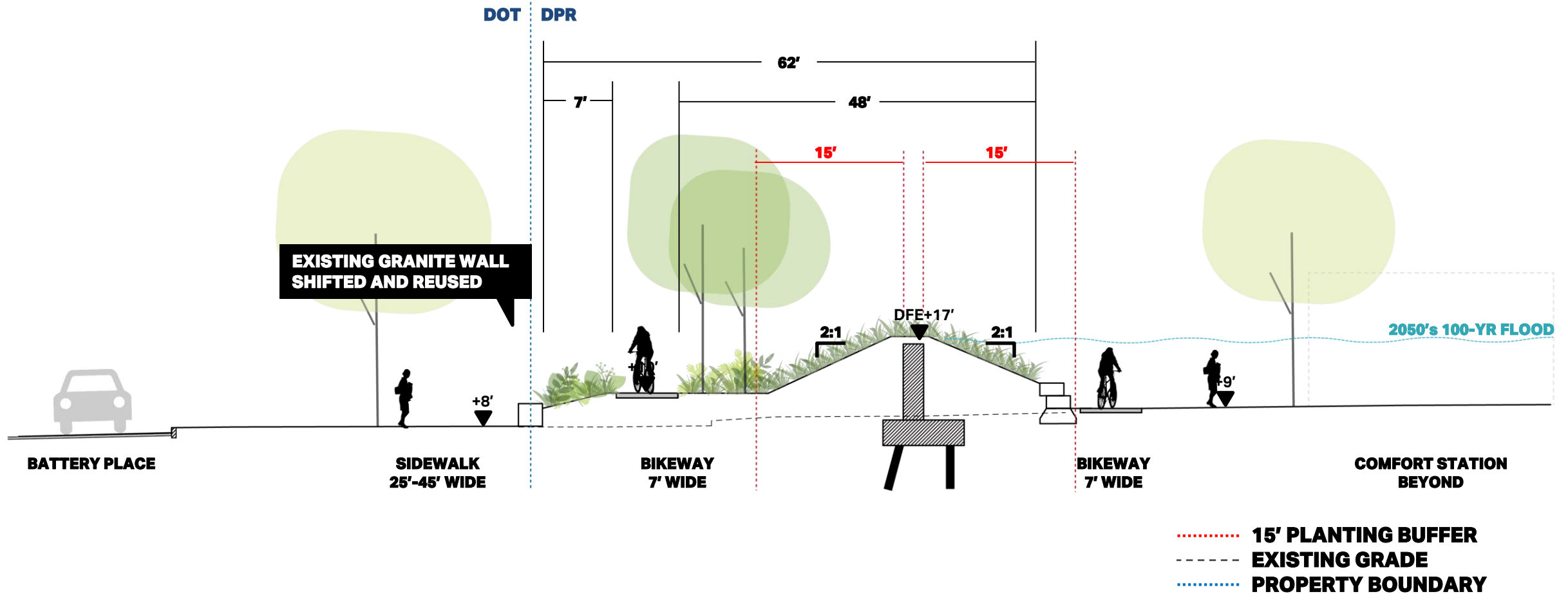
# BATTERY BIKEWAY | EXISTING CONDITIONS

## SECTION A



# BATTERY BIKEWAY | PROPOSED CONDITIONS

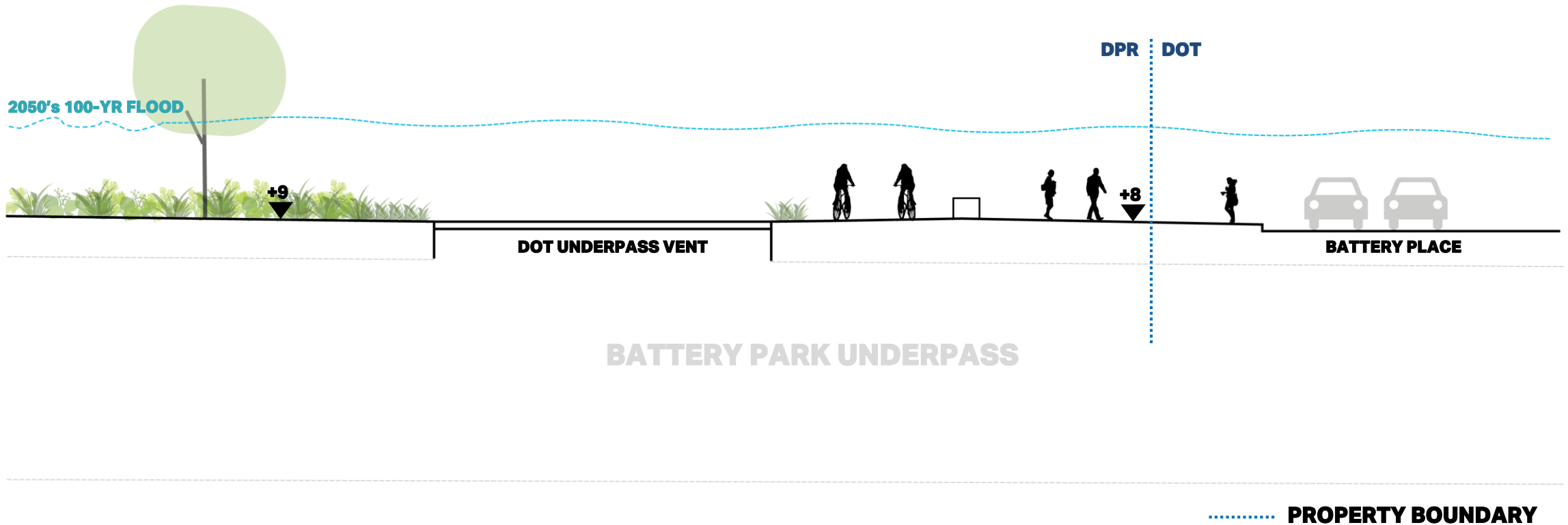
## SECTION A





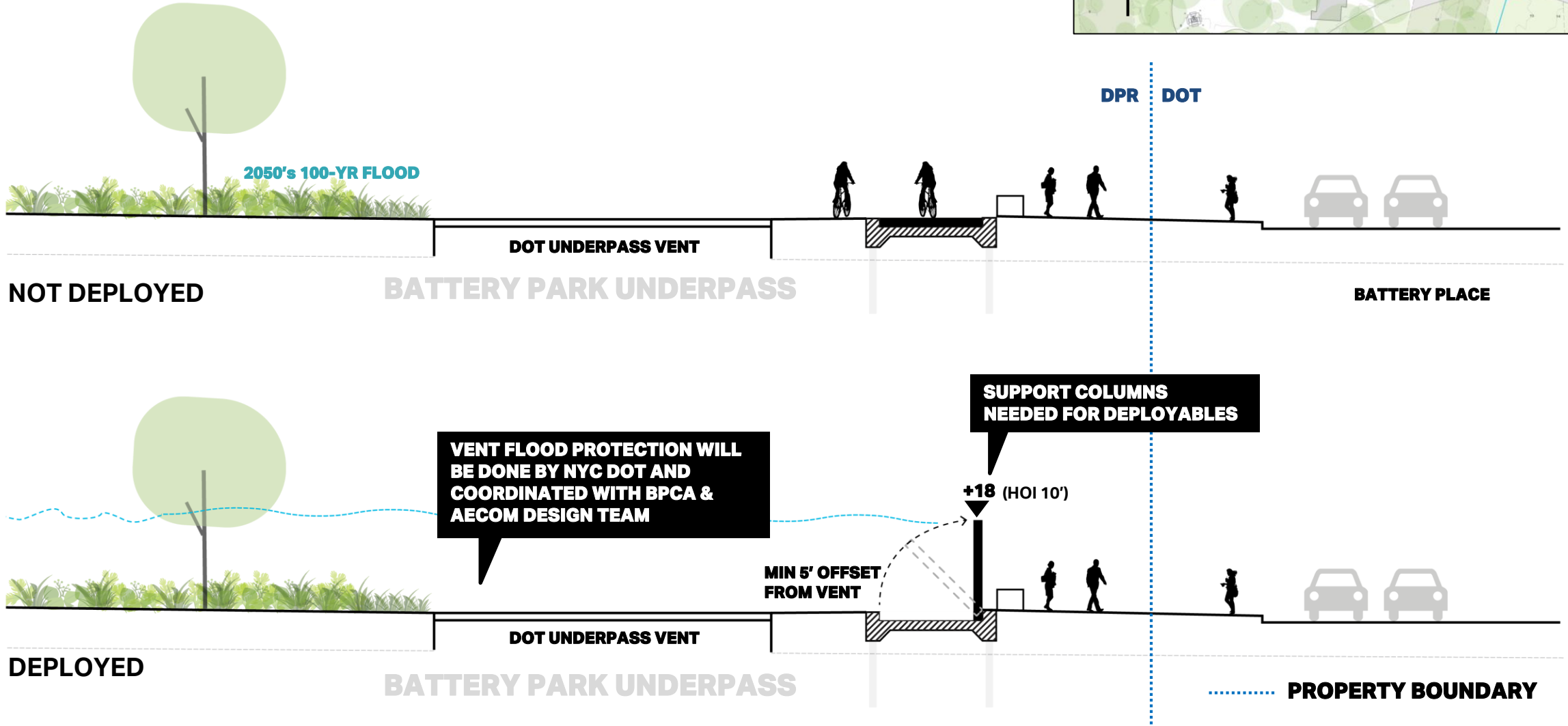
# BATTERY BIKEWAY | EXISTING CONDITIONS

## SECTION B



# BATTERY BIKEWAY | PROPOSED CONDITIONS

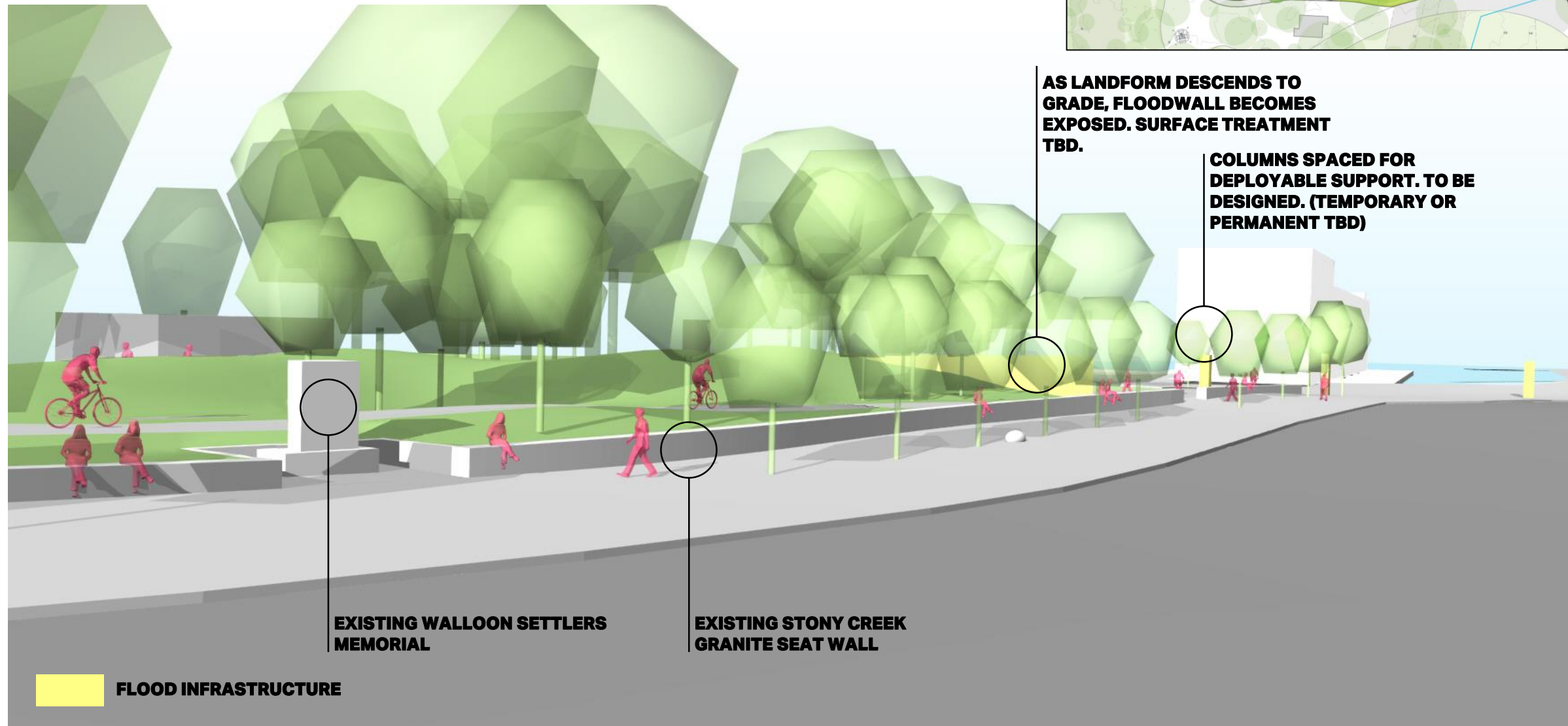
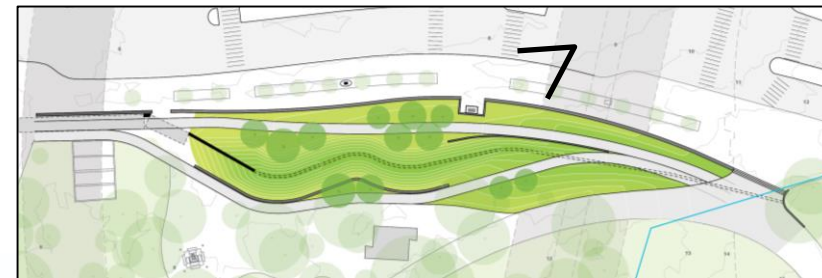
## SECTION B





# BATTERY BIKEWAY VIEW | PROPOSED CONDITIONS

## VIEW LOOKING SOUTHWEST FROM BATTERY PL – NOT DEPLOYED



EXISTING WALLOON SETTLERS  
MEMORIAL

EXISTING STONY CREEK  
GRANITE SEAT WALL

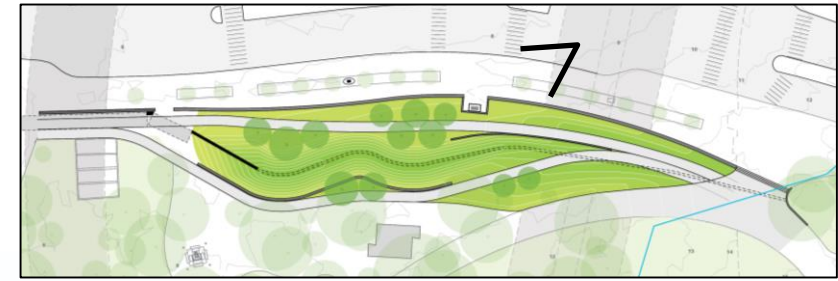
AS LANDFORM DESCENDS TO  
GRADE, FLOODWALL BECOMES  
EXPOSED. SURFACE TREATMENT  
TBD.

COLUMNS SPACED FOR  
DEPLOYABLE SUPPORT. TO BE  
DESIGNED. (TEMPORARY OR  
PERMANENT TBD)

FLOOD INFRASTRUCTURE

# BATTERY BIKEWAY VIEW | PROPOSED CONDITION

## VIEW LOOKING SOUTHWEST FROM BATTERY PL - DEPLOYED

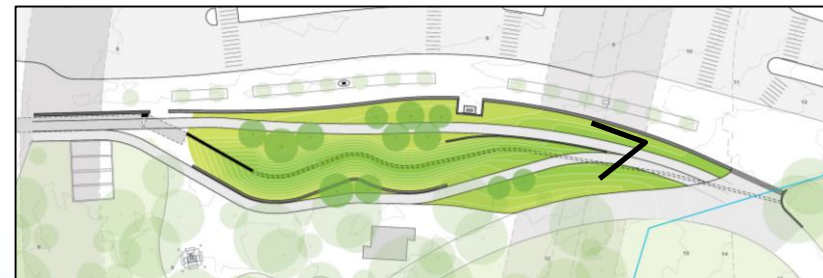


 **FLOOD INFRASTRUCTURE**



# BATTERY BIKEWAY VIEW | PROPOSED CONDITION

## VIEW LOOKING SOUTHWEST TOWARDS PIER A



# BATTERY BIKEWAY VIEW | PROPOSED CONDITION

## VIEW LOOKING EAST FROM VERRAZZANO MONUMENT

