

SOUTH BATTERY PARK CITY RESILIENCY
COMMUNITY BOARD 1
ENVIRONMENTAL PROTECTION COMMITTEE MEETING

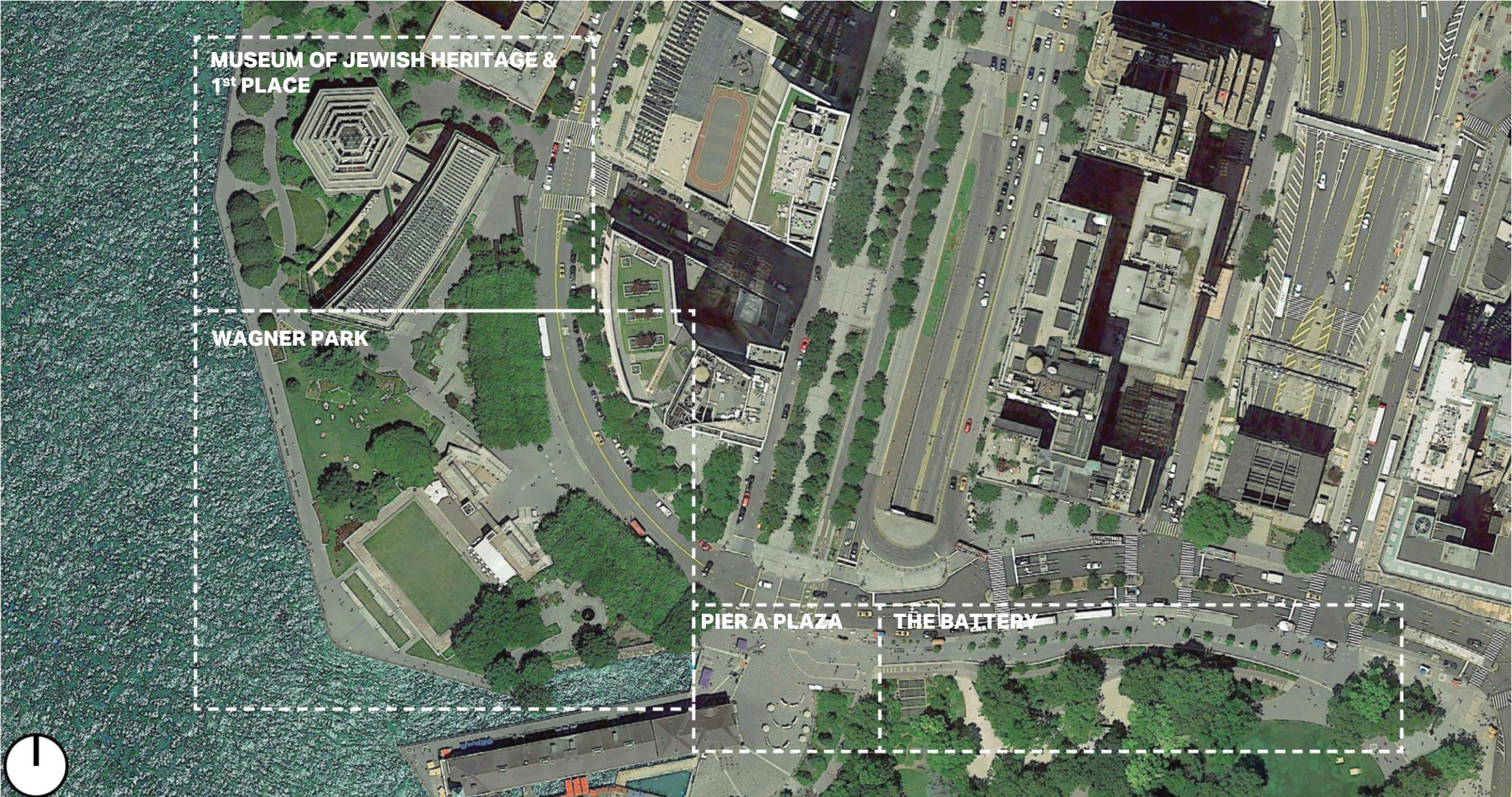
October 3, 2019

AGENDA

- 1. Project Introduction**
- 2. Our Challenge**
- 3. Existing Footprint and Conditions**
- 4. Conceptual Master Plan**

PROJECT INTRODUCTION

UNDERSTANDING THE FOOTPRINT



BATTERY PARK CITY TODAY





A MODEL FOR DESIGN, GROWTH, AND ADAPTATION

**OLIN
MACHADO
SILVETTI
MILLER**

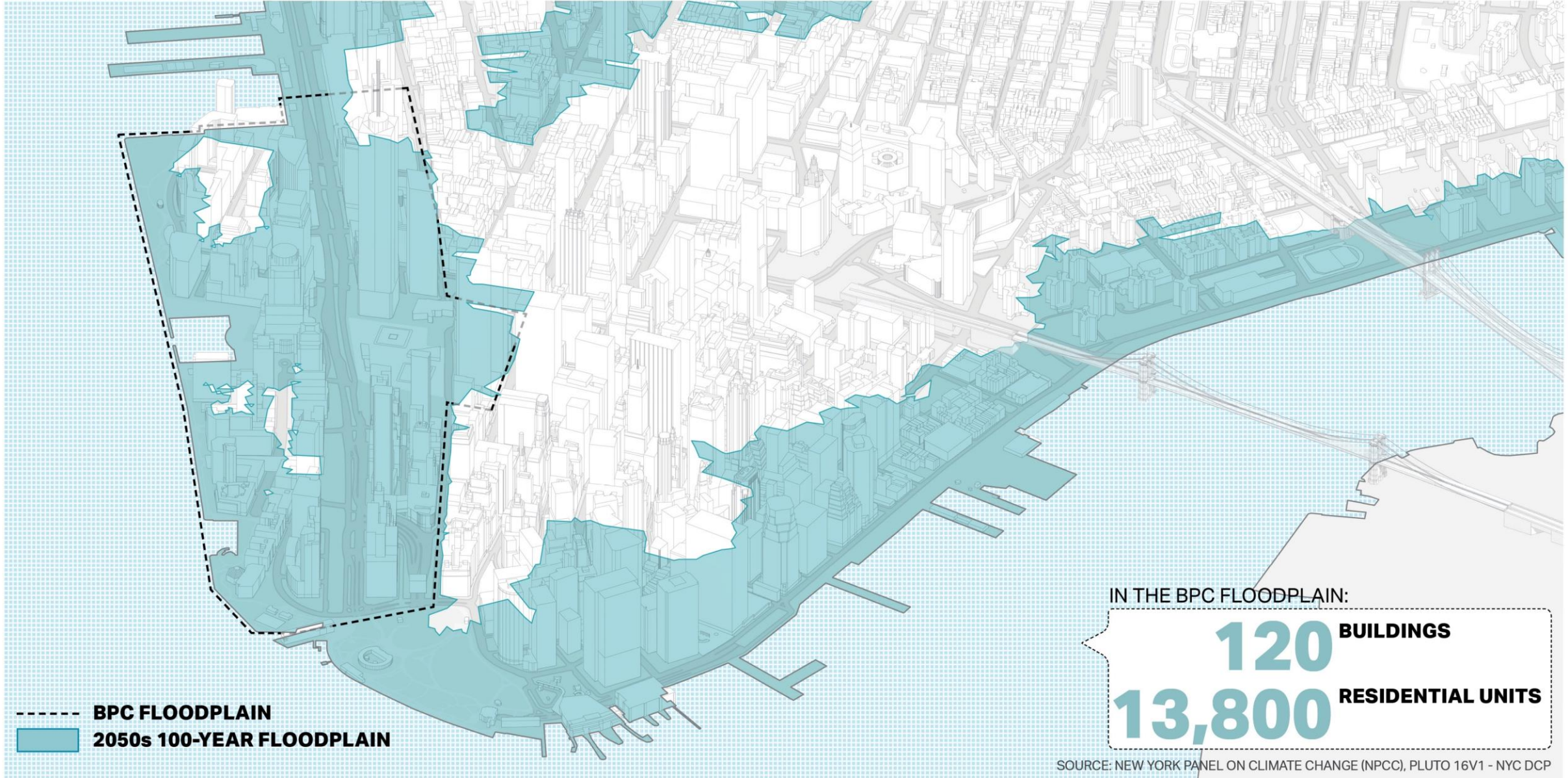
A LEGACY DESIGN

IMAGE SOURCE: LAURIE OLIN

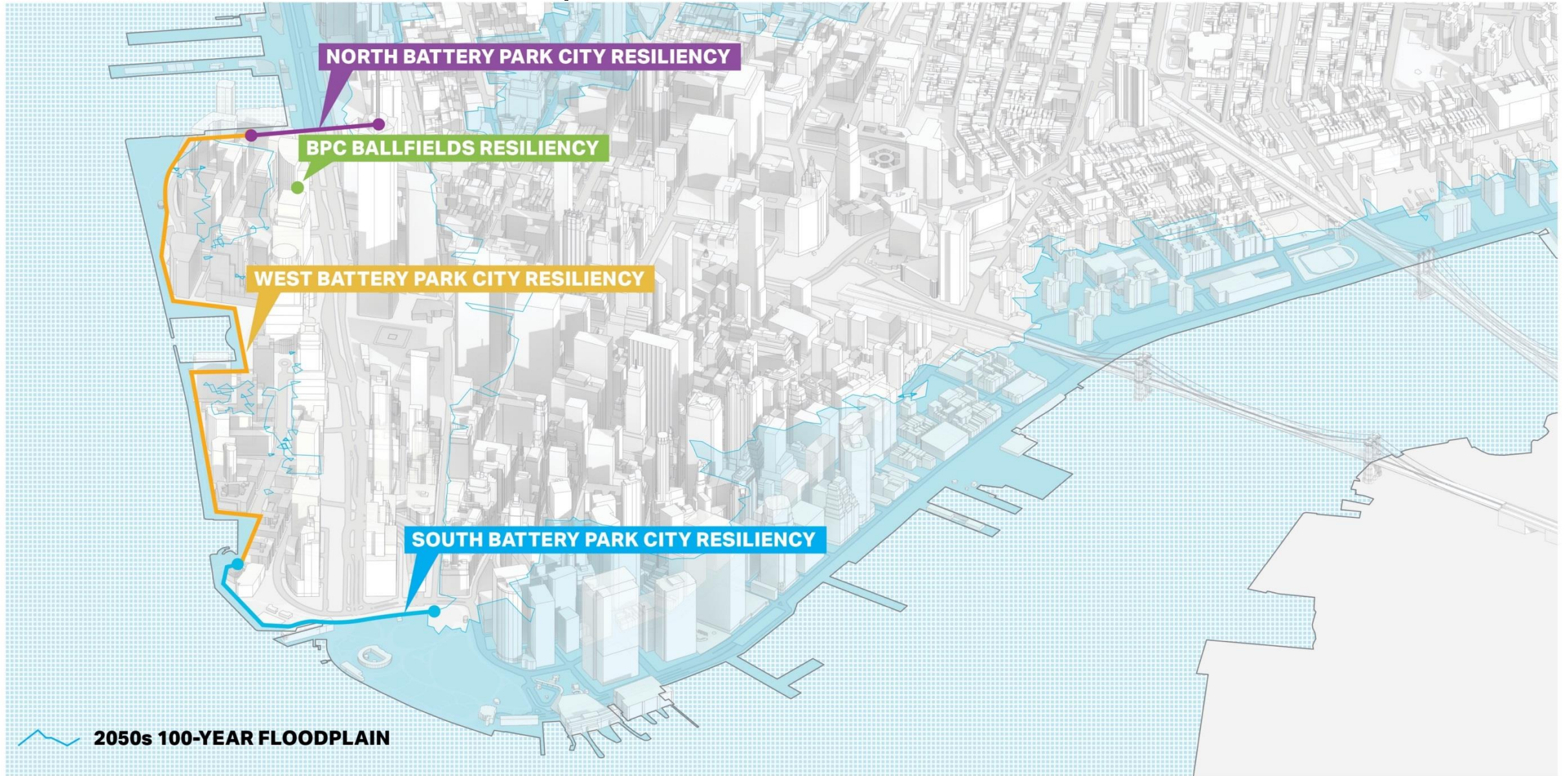
AECOM

OUR CHALLENGE

2050s 100-YEAR STORM



INTEGRATED PROJECTS | BATTERY PARK CITY



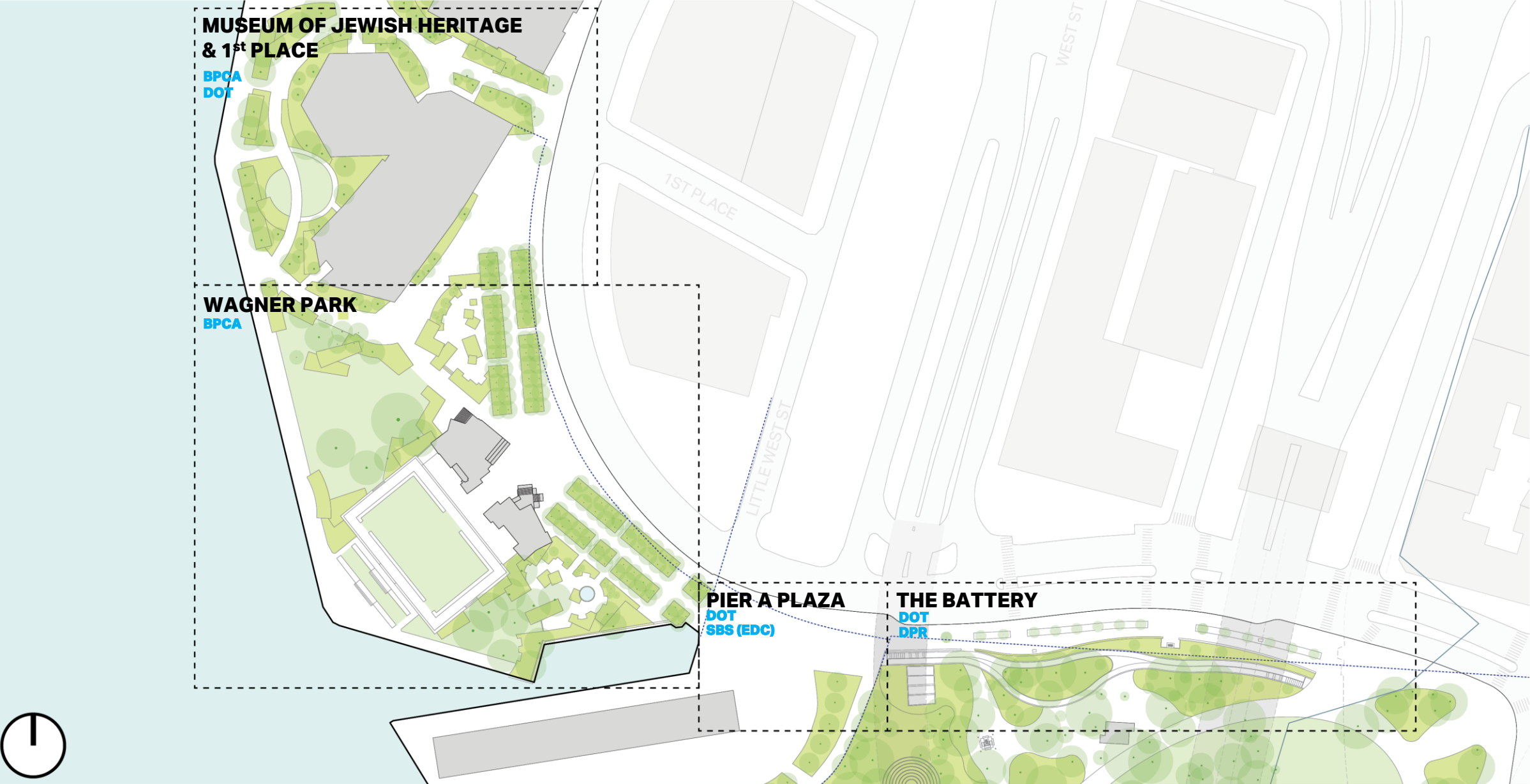


HOW DO COMMUNITY, LEGACY, AND CLIMATE ADAPTATION CO-EXIST?



EXISTING FOOTPRINT AND CONDITIONS

UNDERSTANDING THE FOOTPRINT | EXISTING CONDITIONS



MUSEUM OF JEWISH HERITAGE | BPCA



WAGNER PARK | BPCA



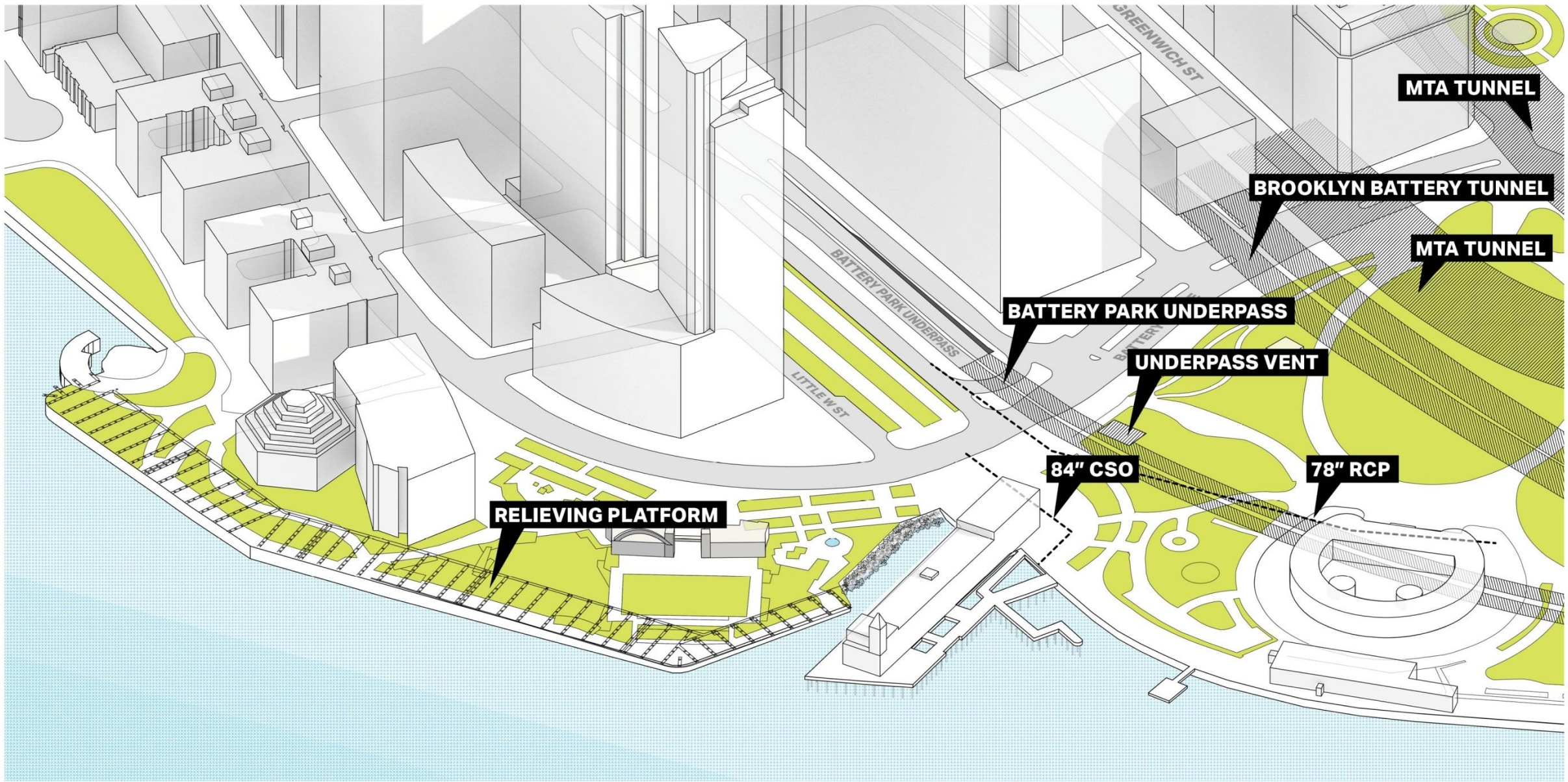
PIER A PLAZA | SBS



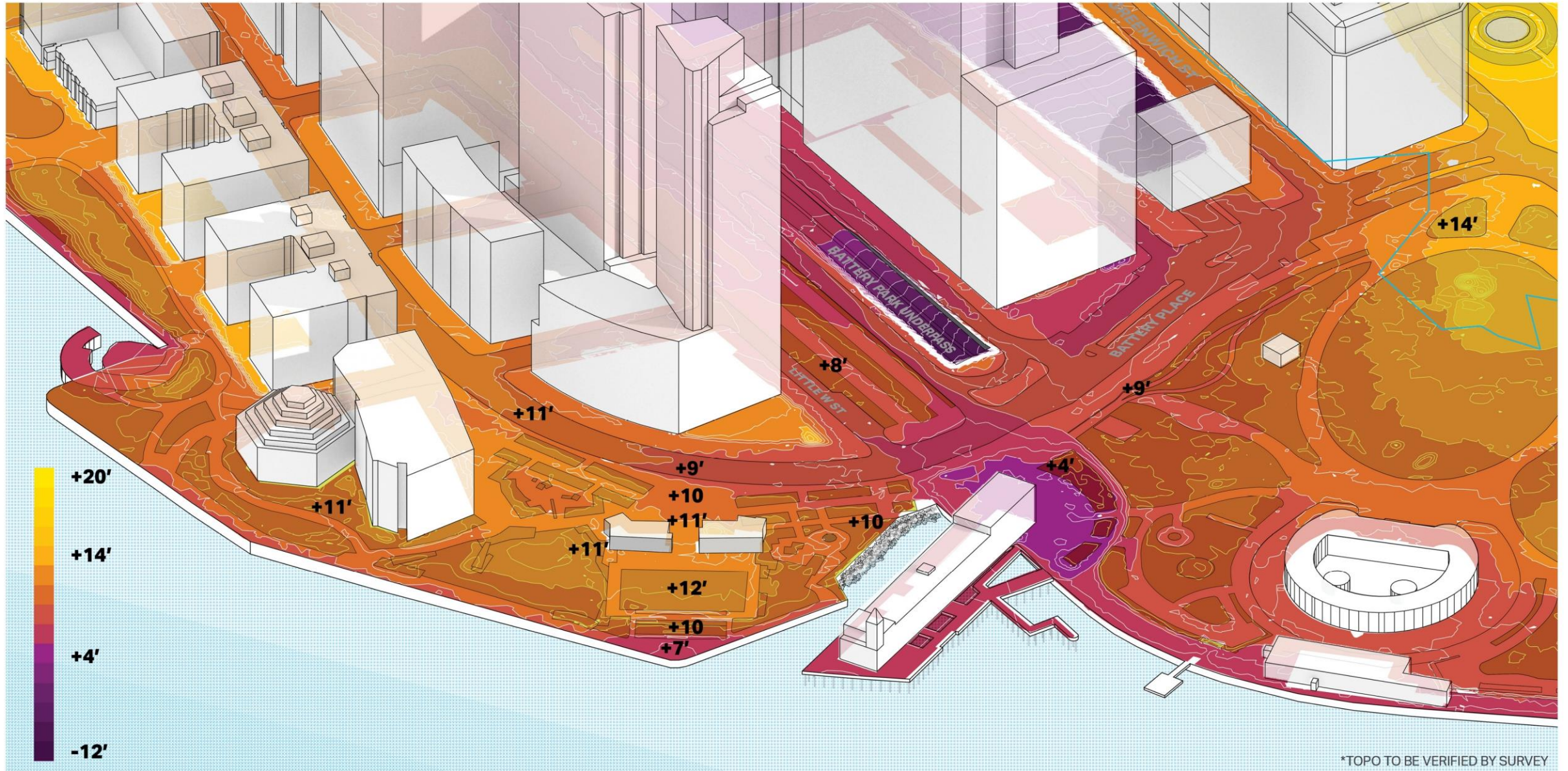
THE BATTERY | DPR



SUBSURFACE



EXISTING TOPOGRAPHY

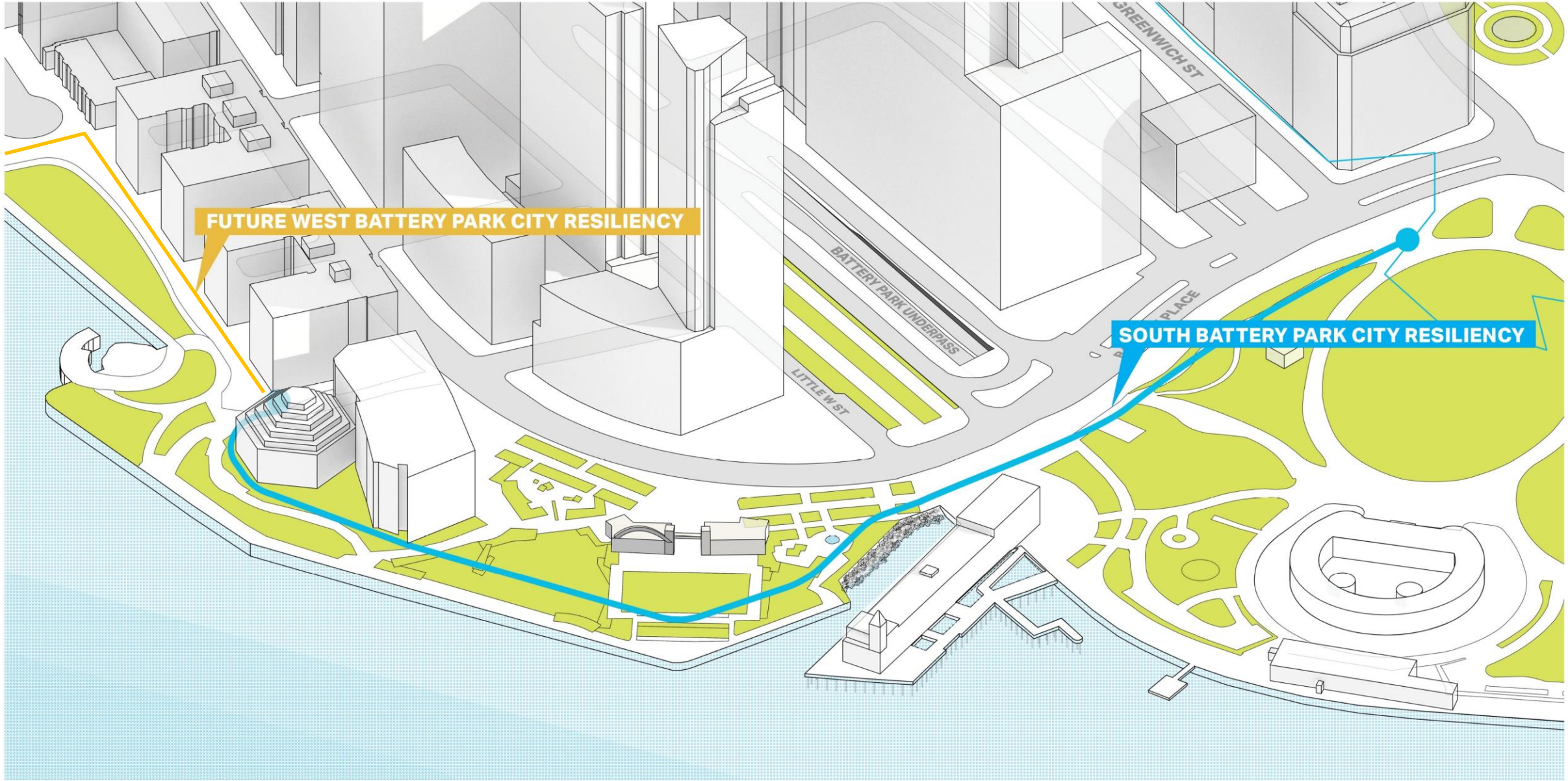


*TOPO TO BE VERIFIED BY SURVEY

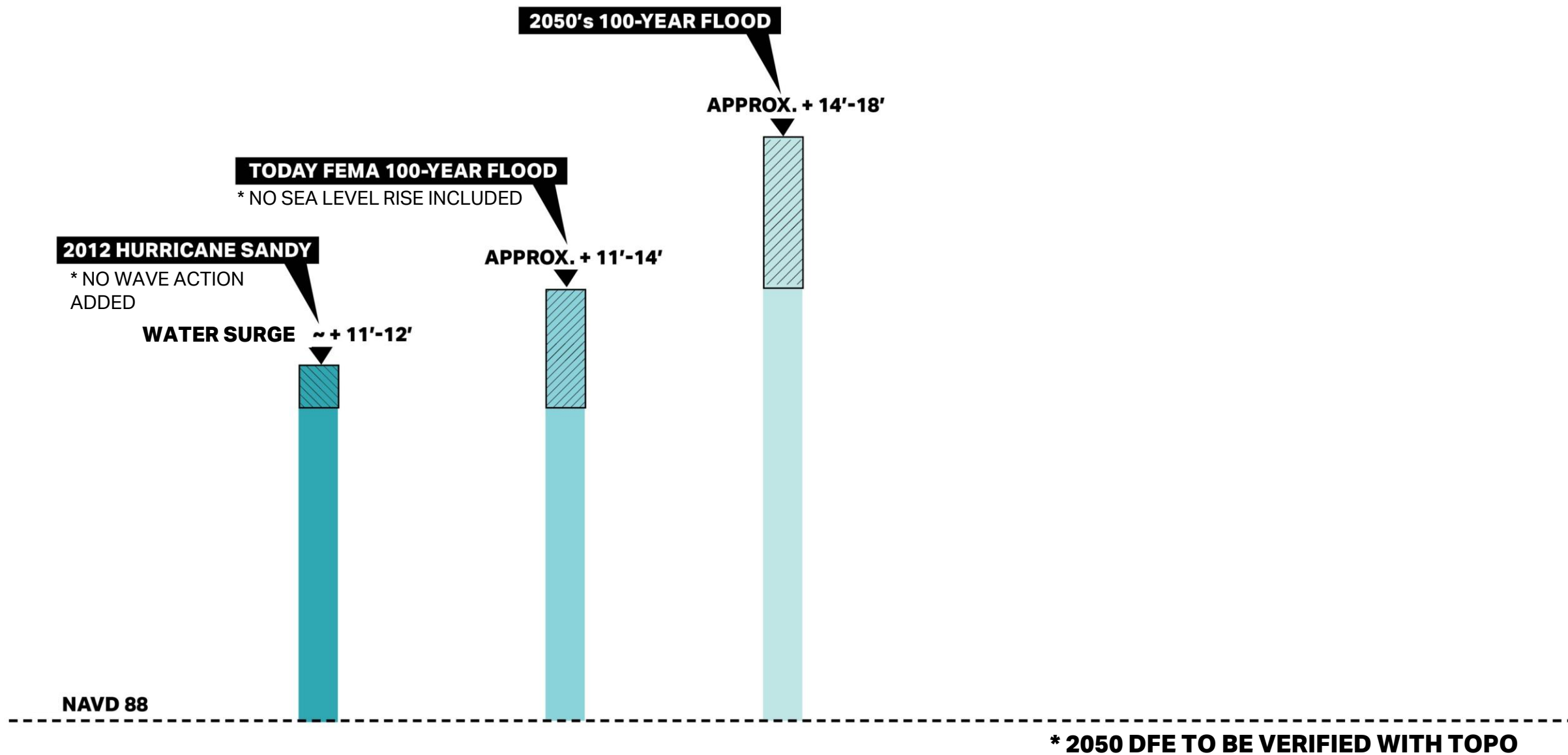
EXISTING CONDITIONS COASTAL MODELING

- 2050 100-Year Storm Event with Sea Level Rise (30")
- Flood inundation shown over current physical conditions
- Depicts 1-2 tide cycles with storm surge added to the 2nd tide cycle

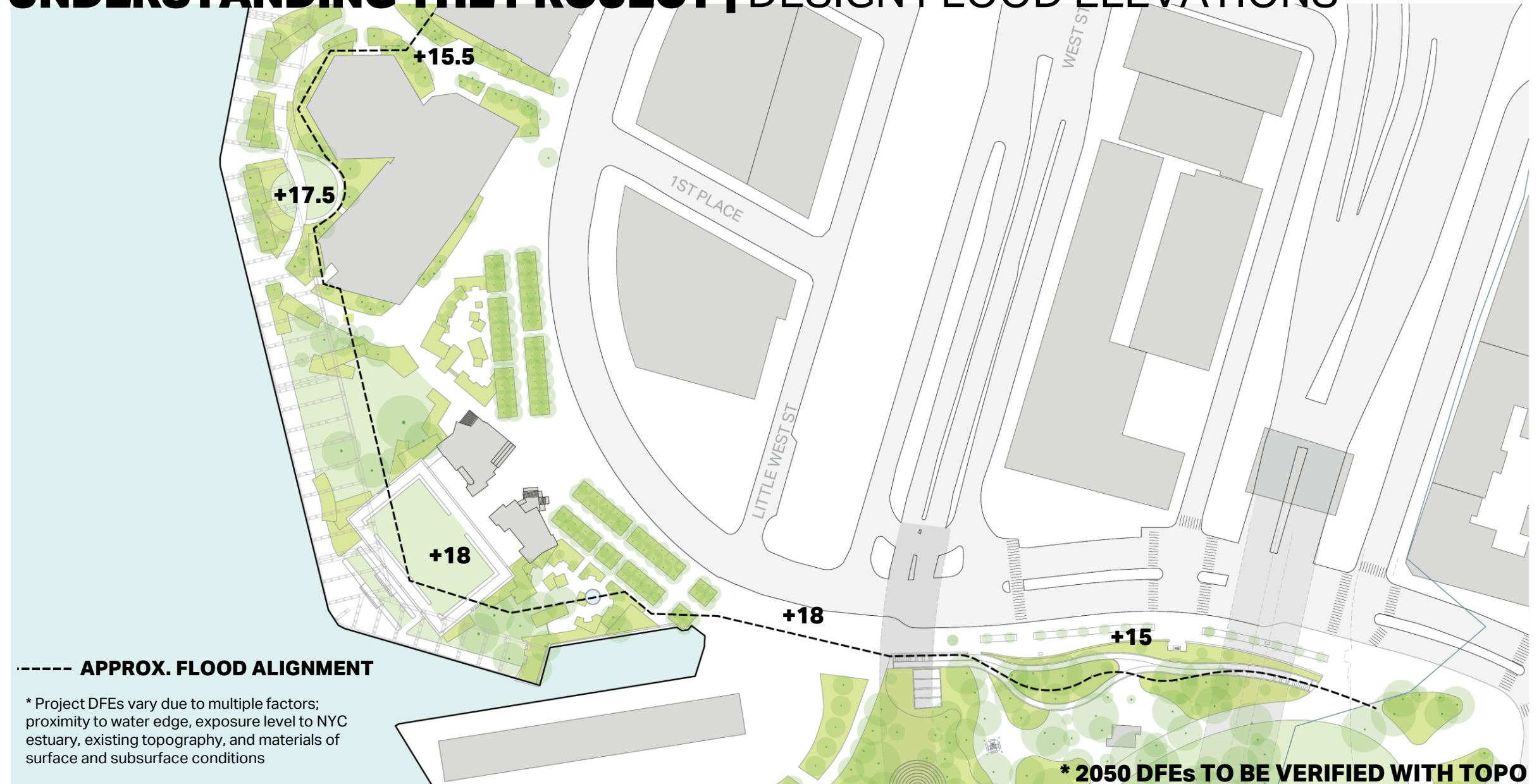
2050s 100-YEAR | PROPOSED ALIGNMENT



DESIGN FLOOD ELEVATION (DFE) COMPARISON



UNDERSTANDING THE PROJECT | DESIGN FLOOD ELEVATIONS



----- **APPROX. FLOOD ALIGNMENT**

* Project DFEs vary due to multiple factors; proximity to water edge, exposure level to NYC estuary, existing topography, and materials of surface and subsurface conditions

*** 2050 DFEs TO BE VERIFIED WITH TOPO**

CONCEPTUAL MASTER PLAN

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



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



1ST PLACE

MUSEUM OF JEWISH HERITAGE

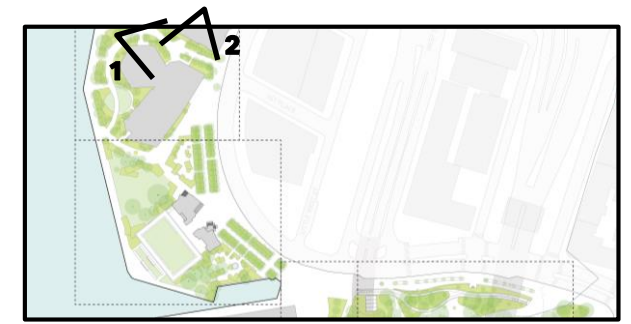
WAGNER PARK

PIER A PLAZA

THE BATTERY

1st PLACE

1st PLACE | EXISTING CONDITIONS

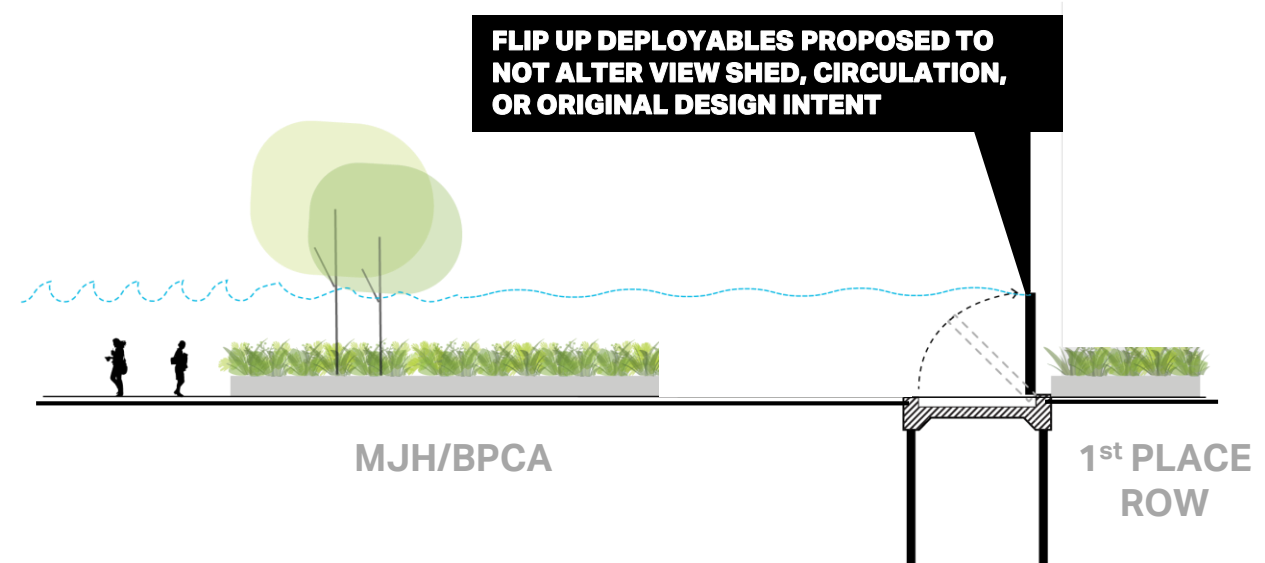


1. VIEW LOOKING EAST



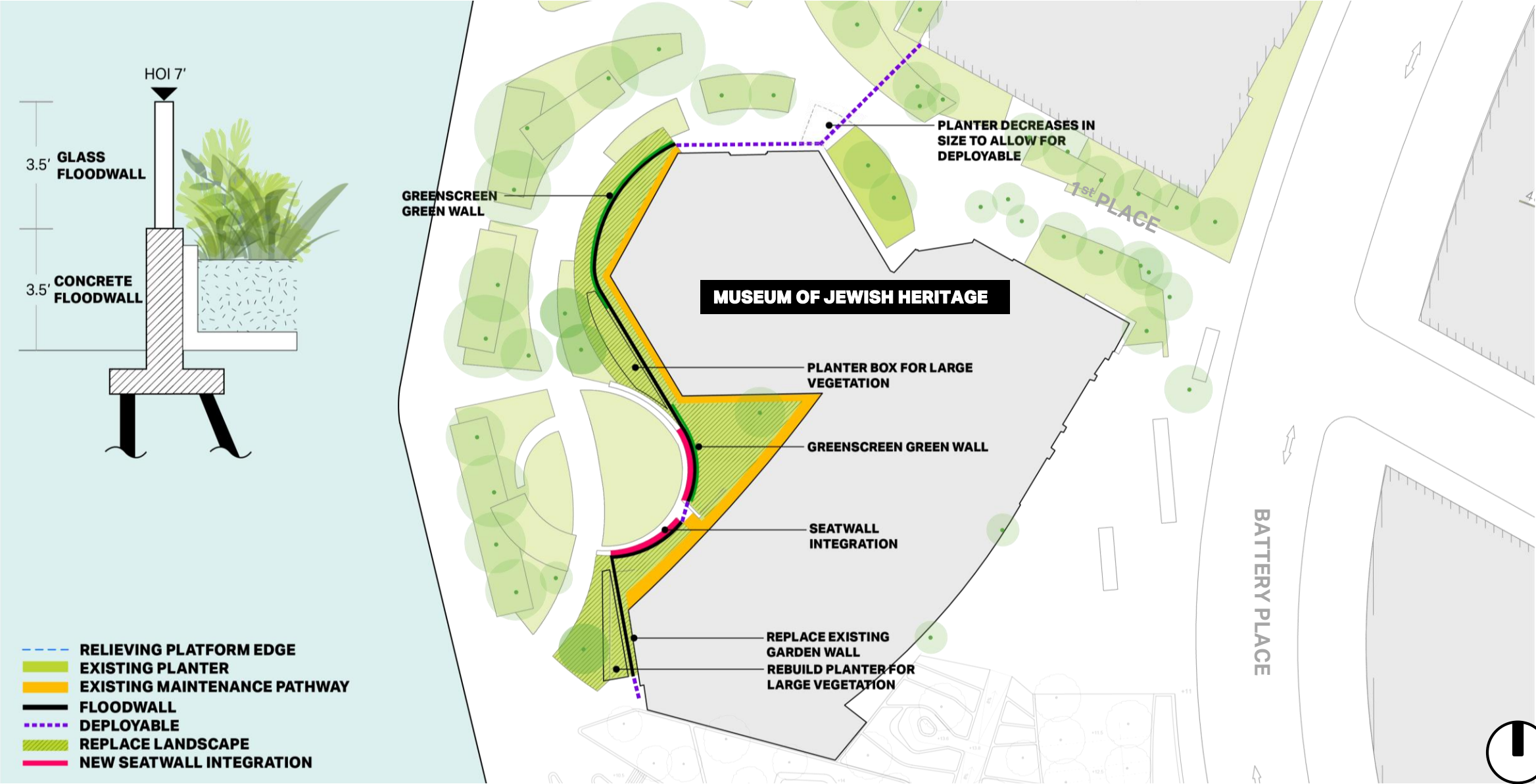
2. VIEW LOOKING SOUTHWEST

1st PLACE | PROPOSED CONDITIONS



MUSEUM OF JEWISH HERITAGE

MUSEUM OF JEWISH HERITAGE | PROPOSED CONDITIONS

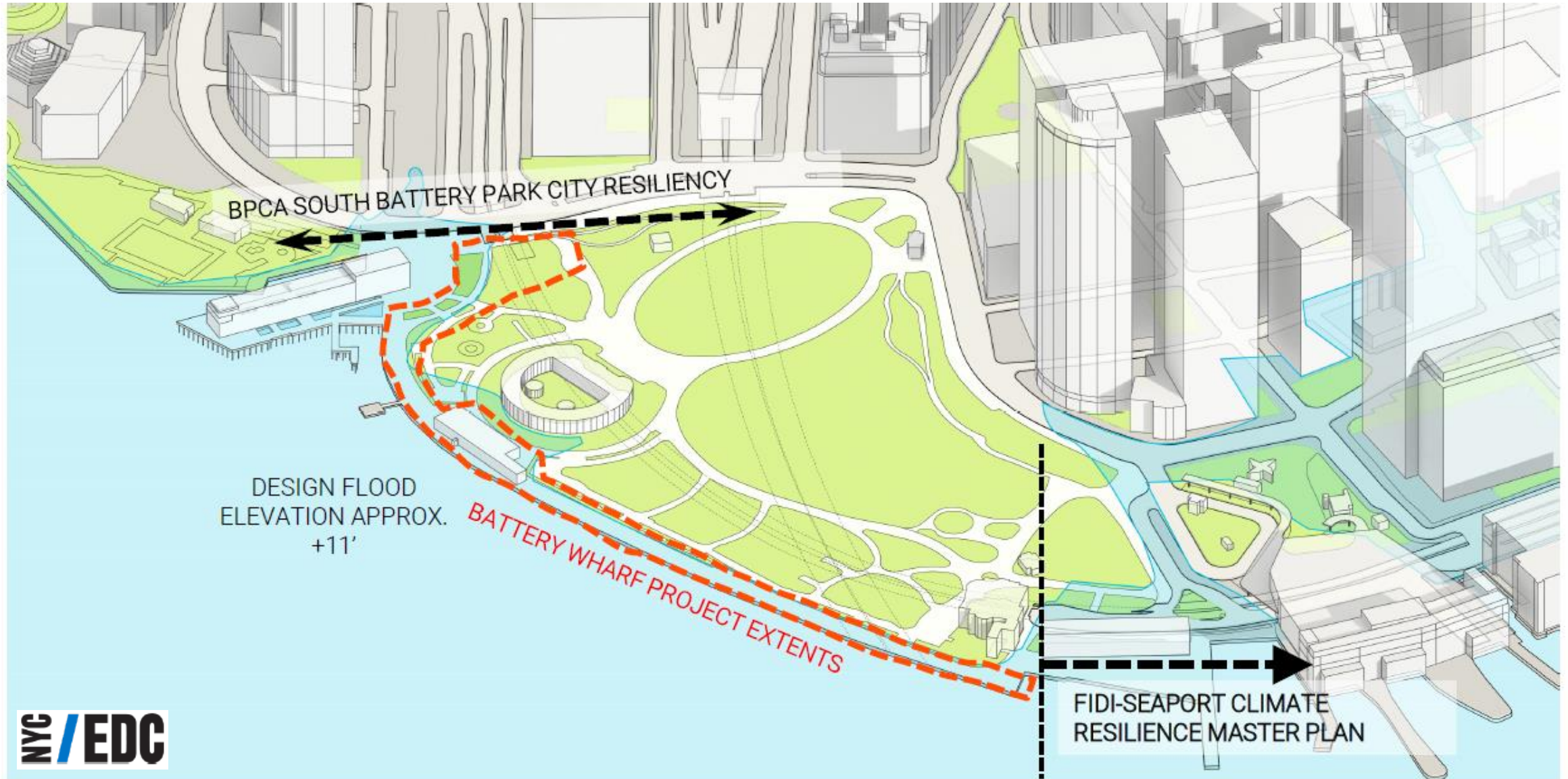


WAGNER PARK

WAGNER PARK | PROPOSED CONDITIONS

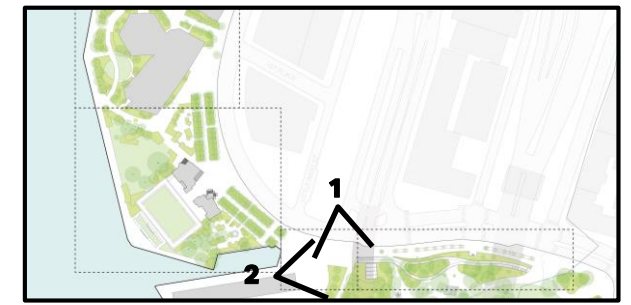


THE BATTERY UPDATE | BATTERY WHARF PROJECT EXTENTS (NYC EDC)



PIER A PLAZA

PIER A PLAZA

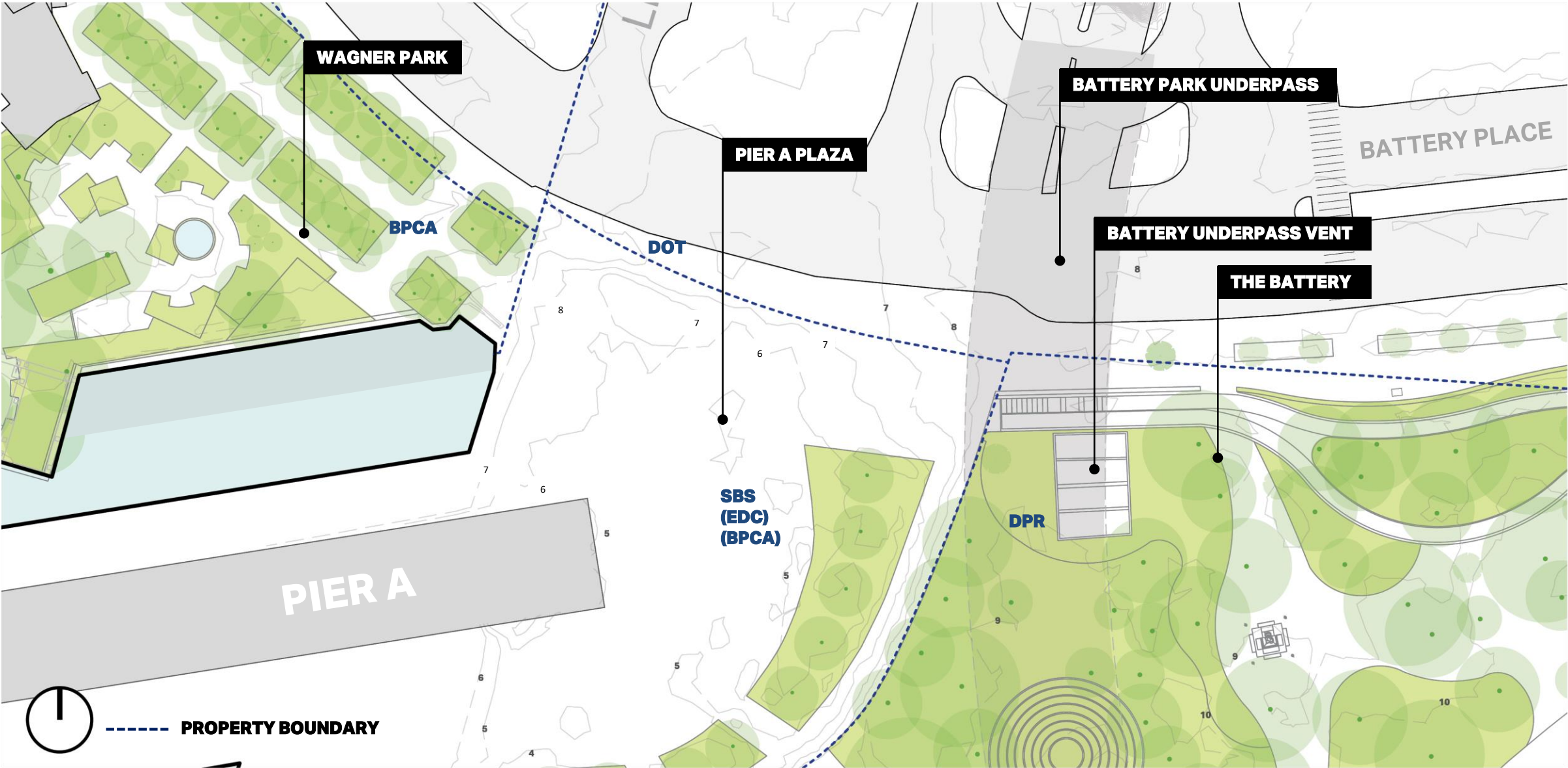


1. VIEW LOOKING SOUTH FROM BATTERY PLACE

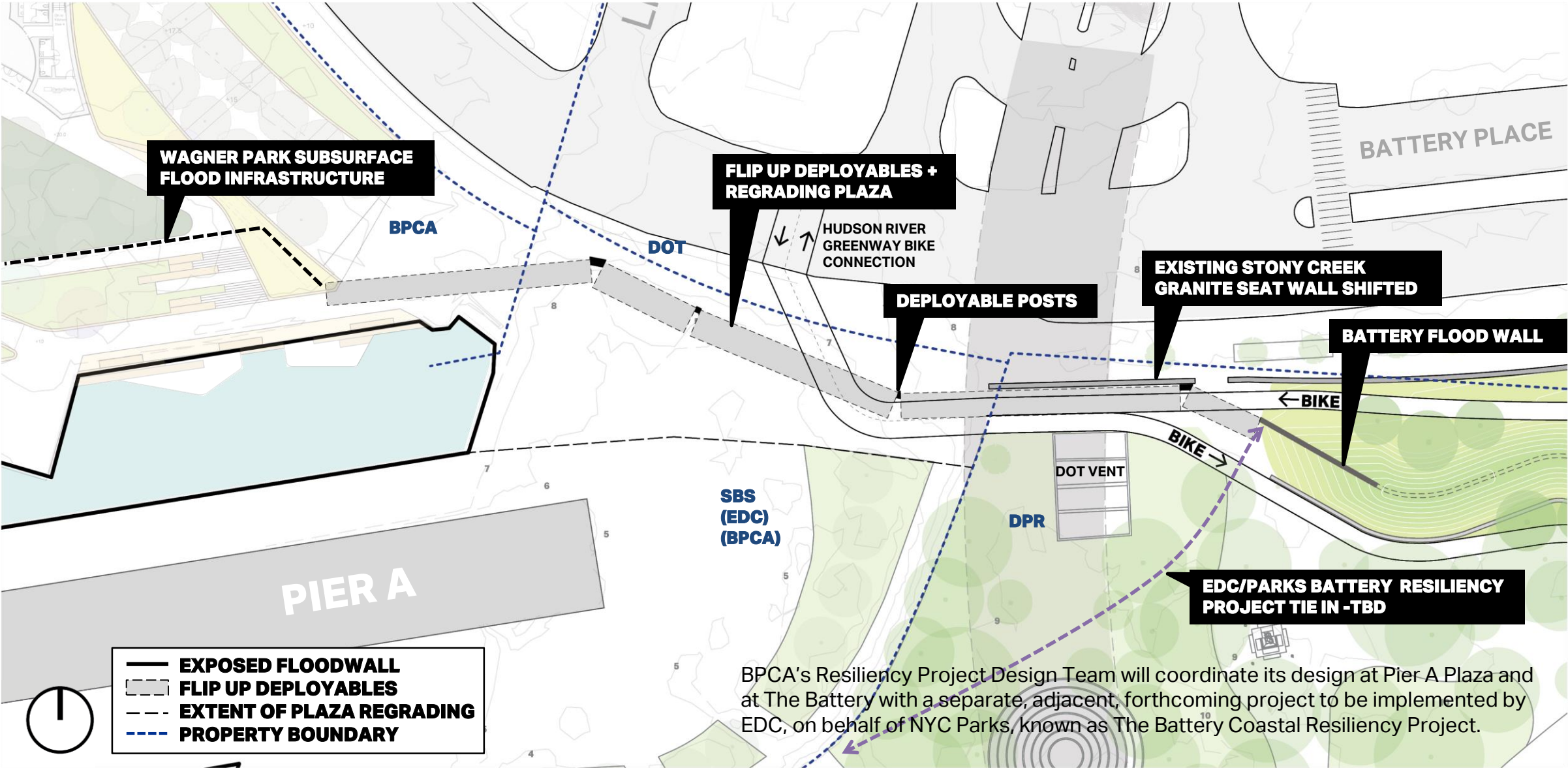


2. VIEW LOOKING EAST FROM PIER A PLAZA

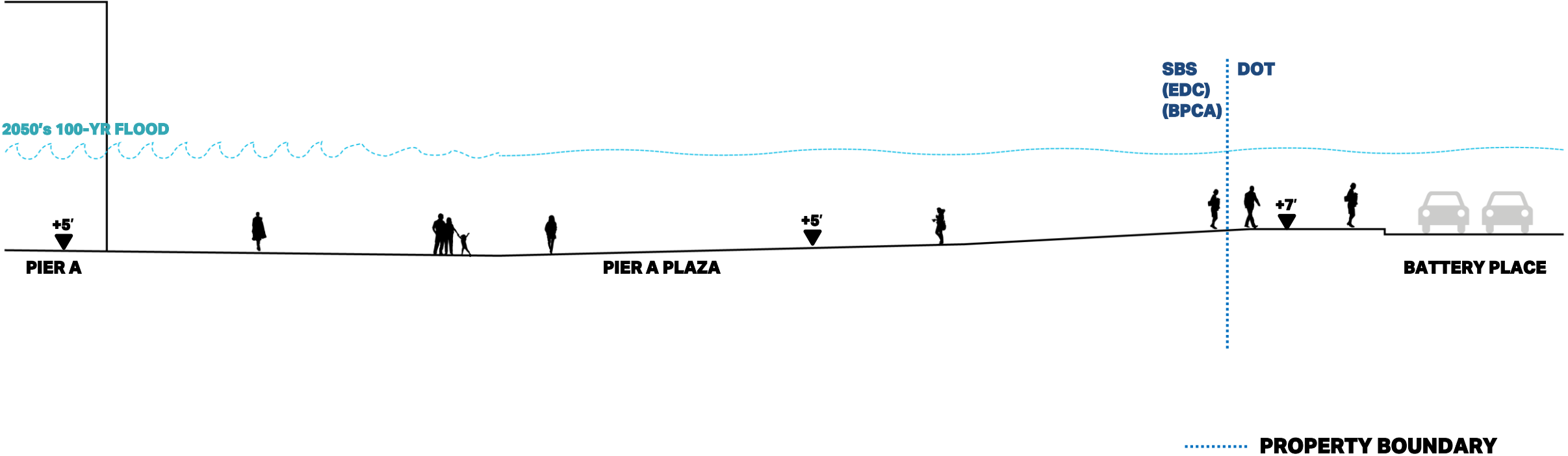
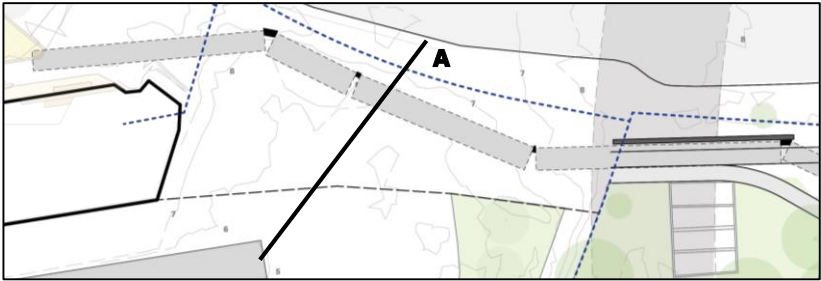
PIER A PLAZA | EXISTING CONDITIONS



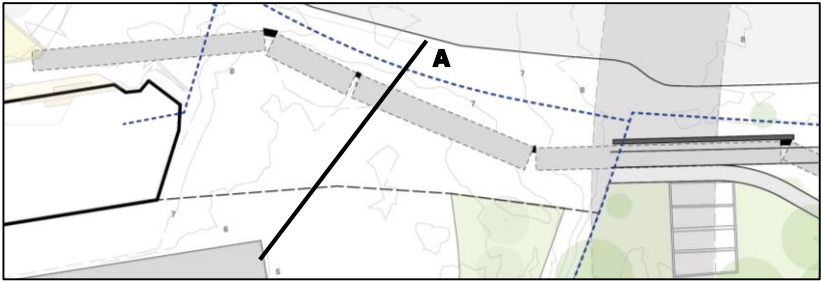
PIER A PLAZA | PROPOSED CONDITIONS



PIER A PLAZA | EXISTING CONDITIONS

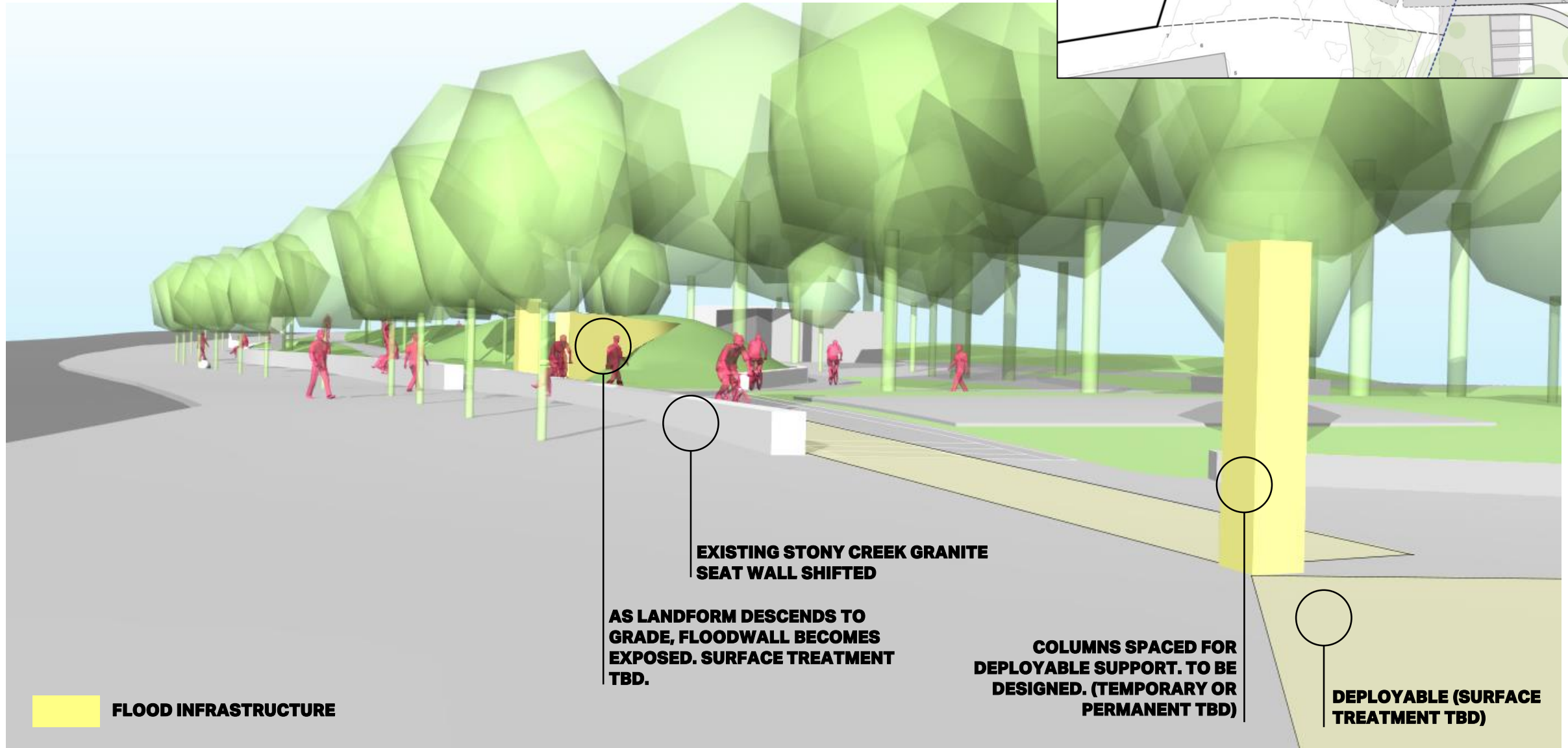
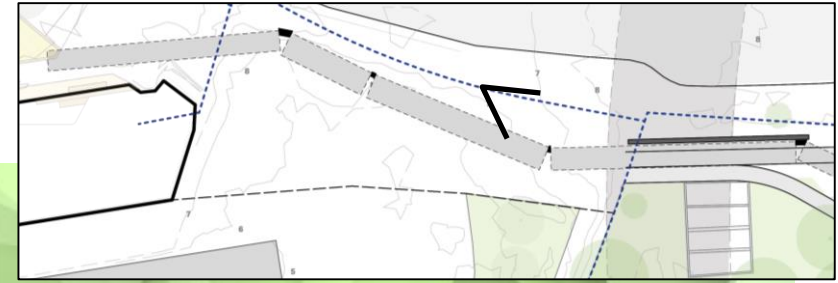


PIER A PLAZA | PROPOSED CONDITIONS



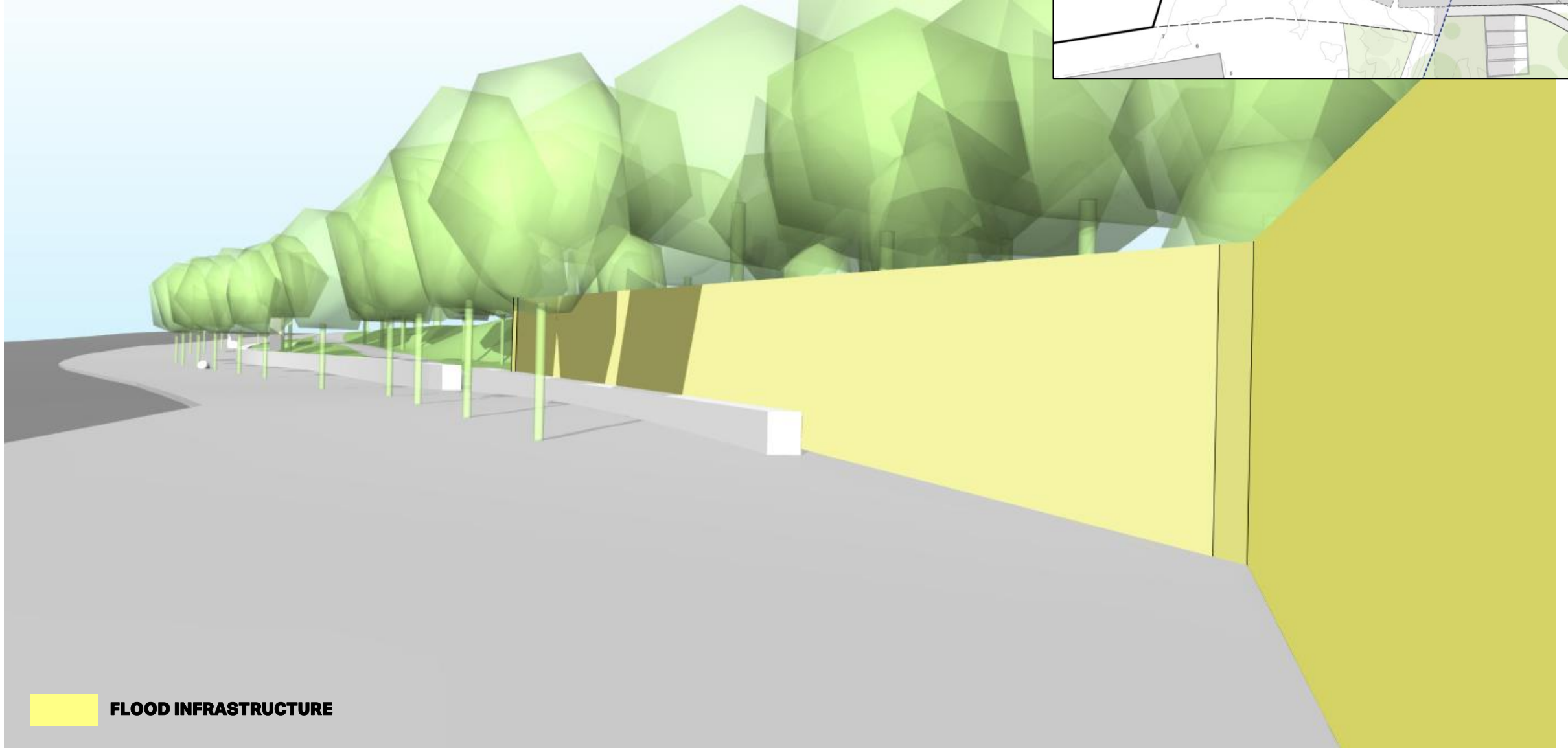
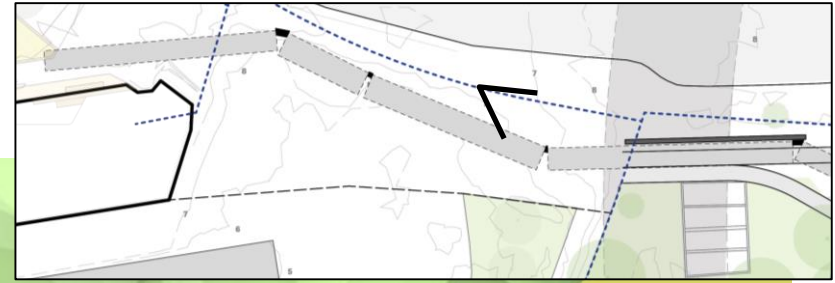
PIER A PLAZA VIEW | PROPOSED CONDITIONS

VIEW LOOKING EAST FROM PIER A PLAZA – NOT DEPLOYED



PIER A PLAZA VIEW | PROPOSED CONDITIONS

VIEW LOOKING EAST FROM PIER A PLAZA - DEPLOYED

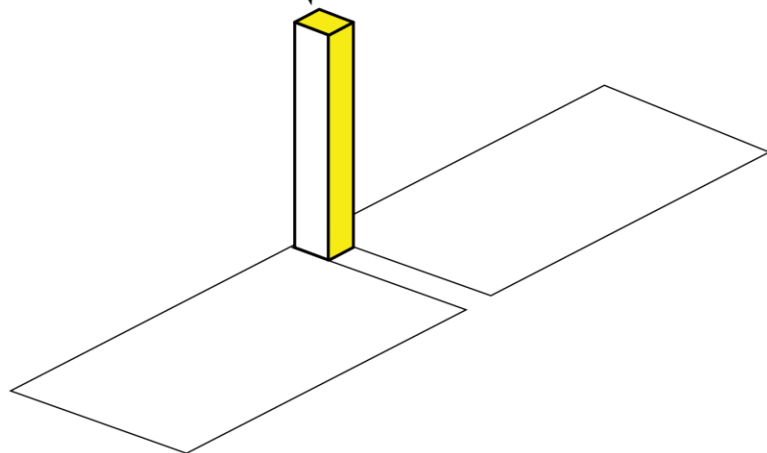


 **FLOOD INFRASTRUCTURE**

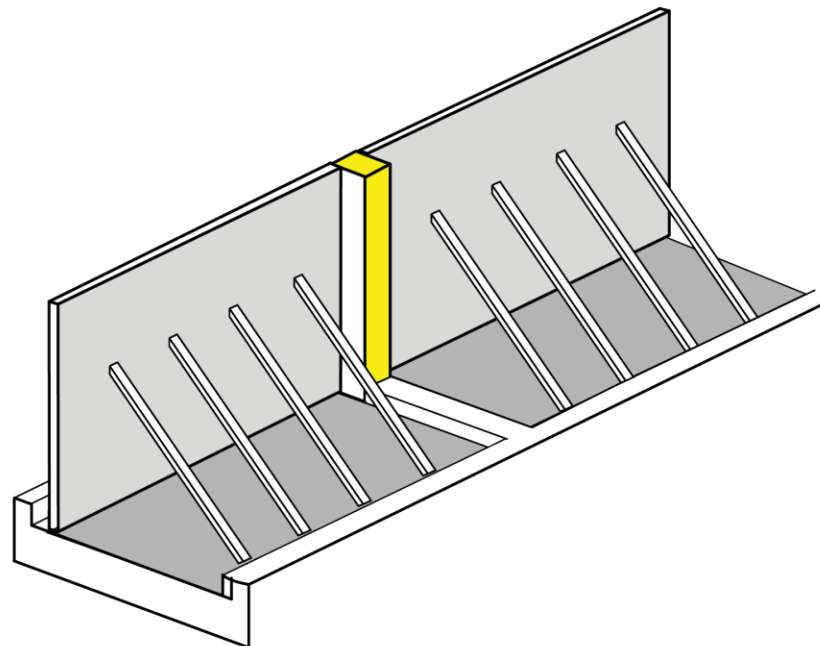
PIER A PLAZA | FLIP UP DEPLOYABLE COLUMN OPTION

* 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

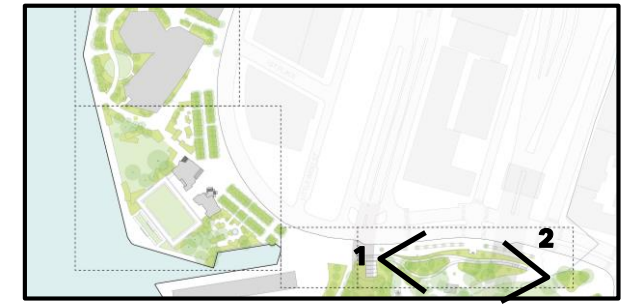


DEPLOYED

 **SIZE AND SHAPE VARIABILITY**

THE BATTERY

THE BATTERY

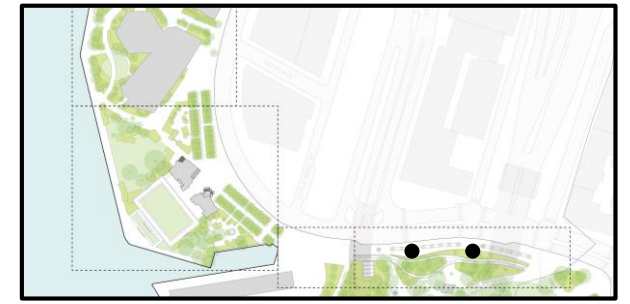


1. VIEW LOOKING EAST FROM BIKEWAY



2. VIEW LOOKING WEST FROM INSIDE THE BATTERY

THE BATTERY | EXISTING MONUMENTS

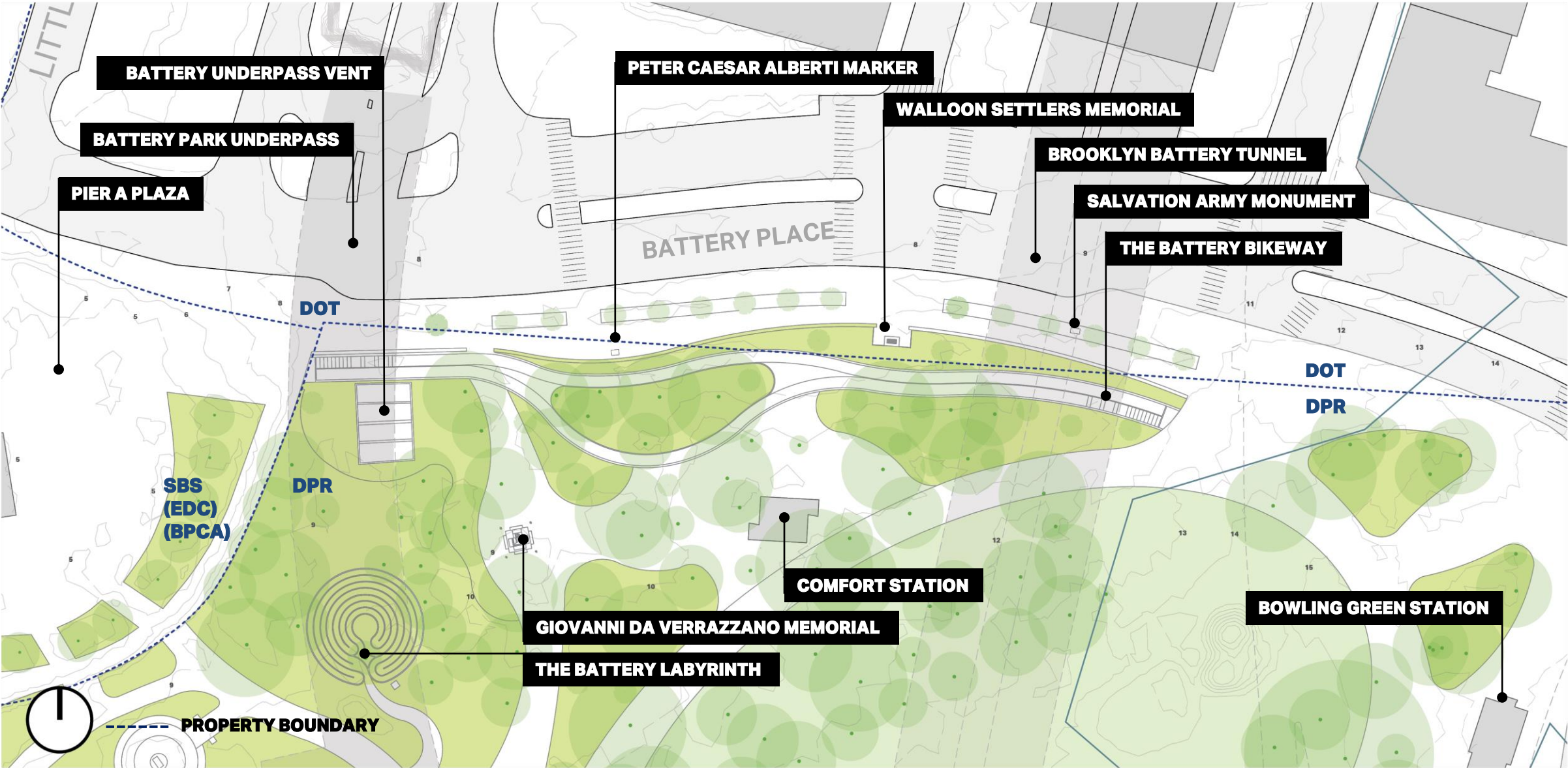


WALLOON SETTLER'S MONUMENT

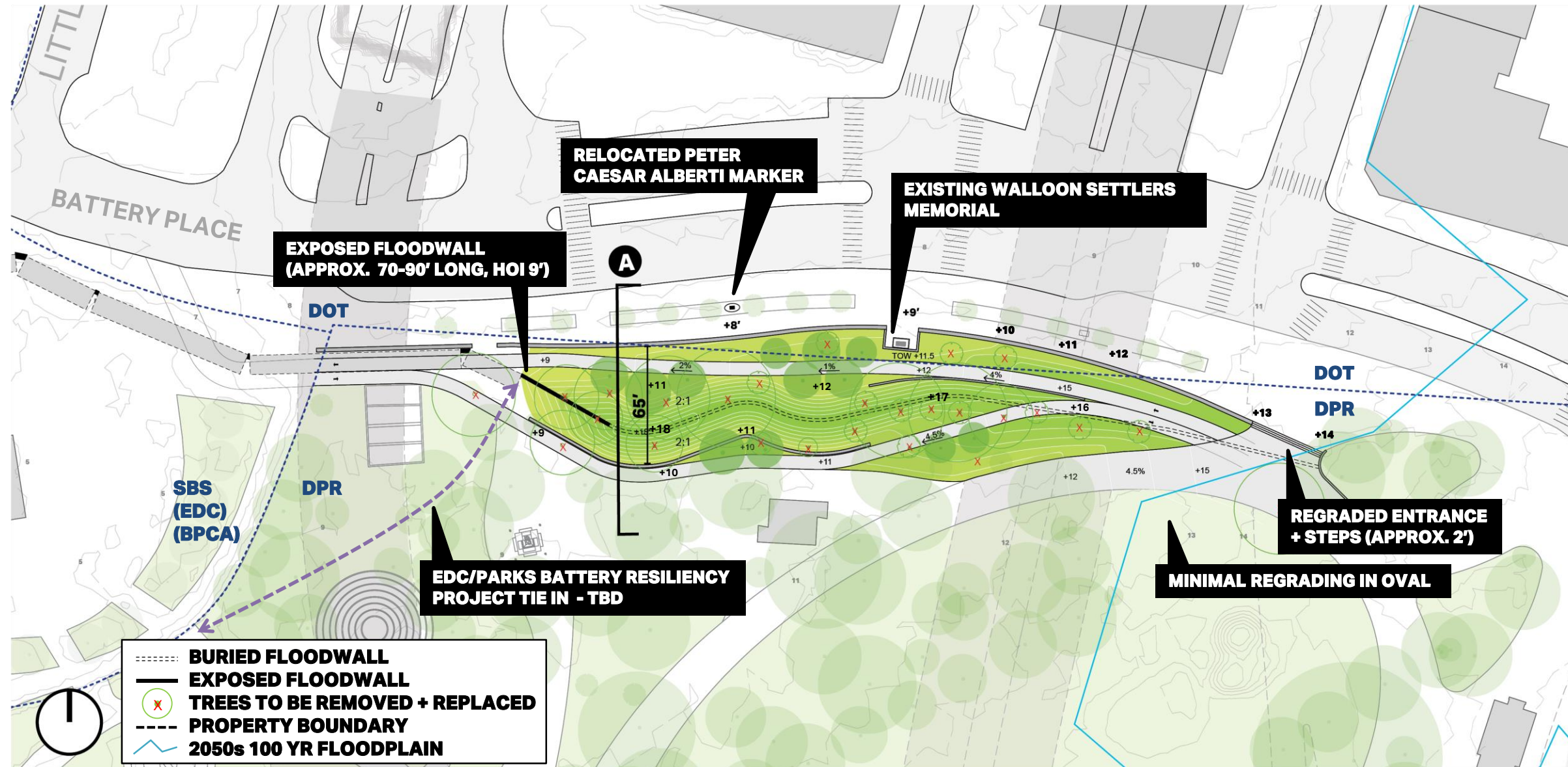


PETER CAESAR ALBERTI MARKER

BATTERY BIKEWAY| EXISTING CONDITIONS

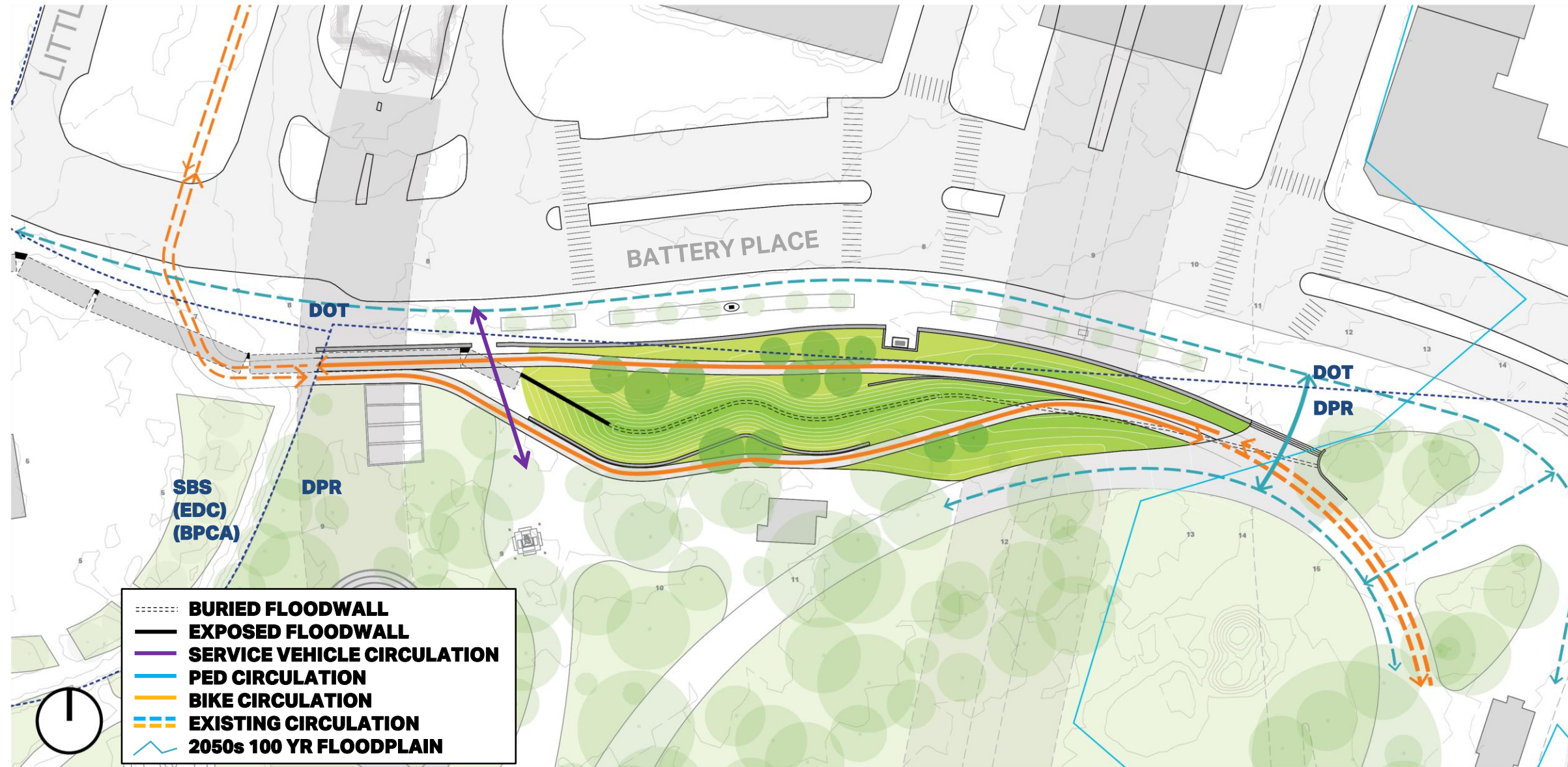


BATTERY BIKEWAY | NEW PROPOSED CONDITIONS



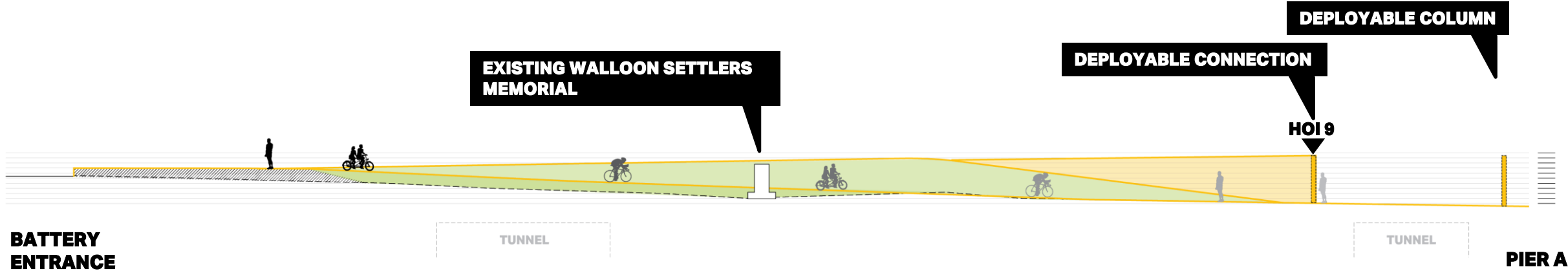
BATTERY BIKEWAY | PROPOSED CONDITIONS

CIRCULATION



BATTERY BIKEWAY | PROPOSED CONDITIONS

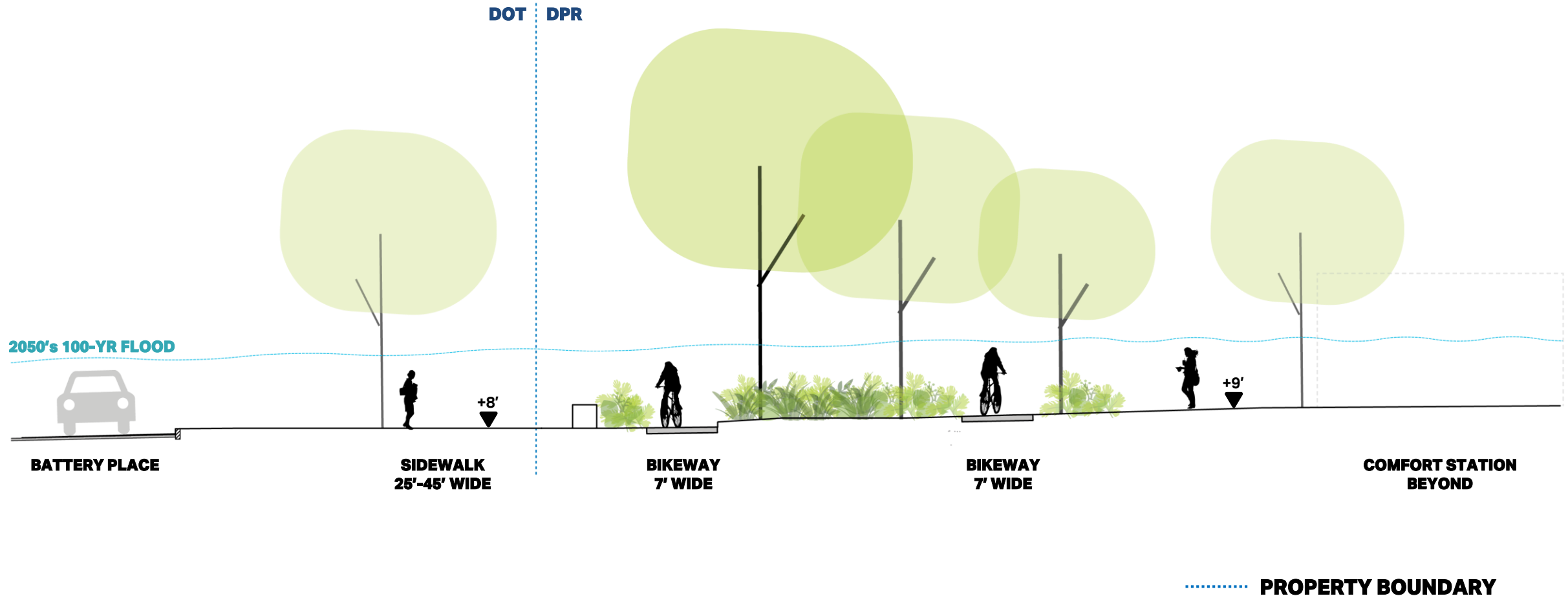
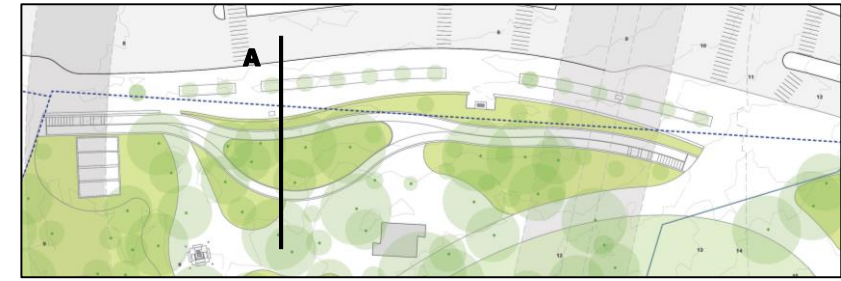
PROFILE



- EXPOSED FLOOD WALL
- BERM
- REGRADED ENTRANCE

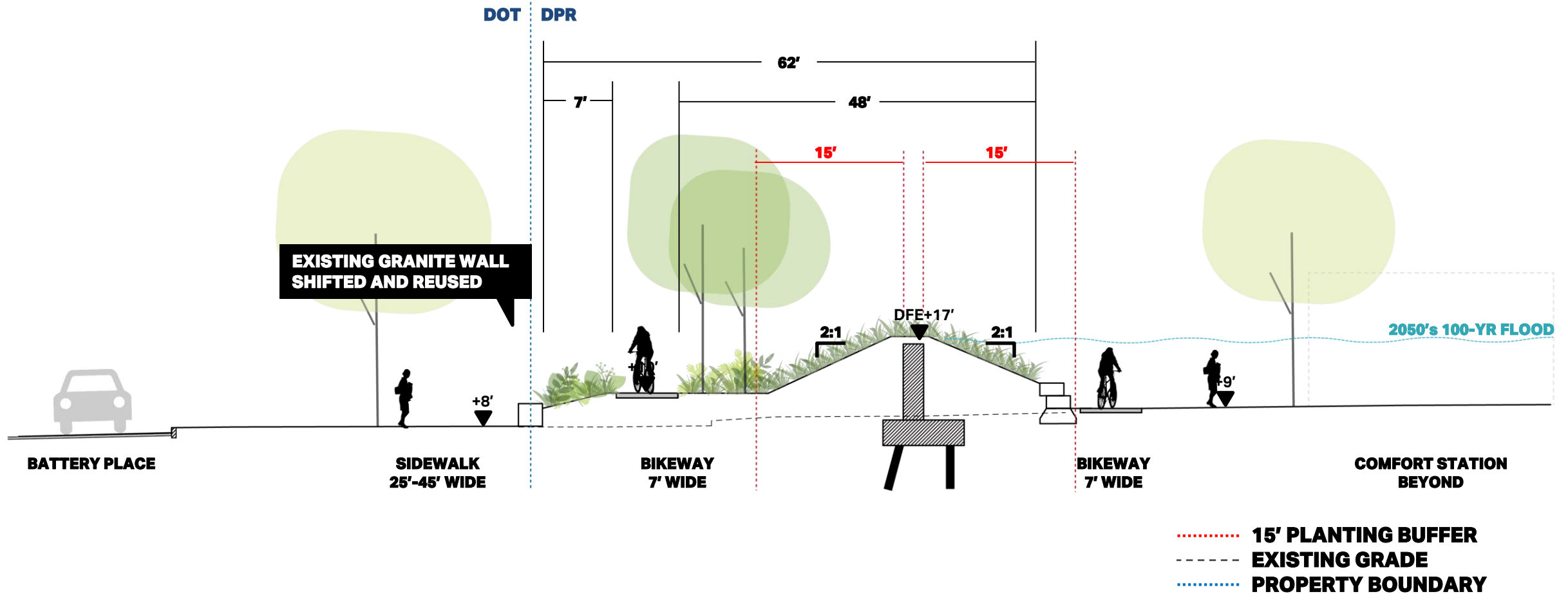
BATTERY BIKEWAY | EXISTING CONDITIONS

SECTION A



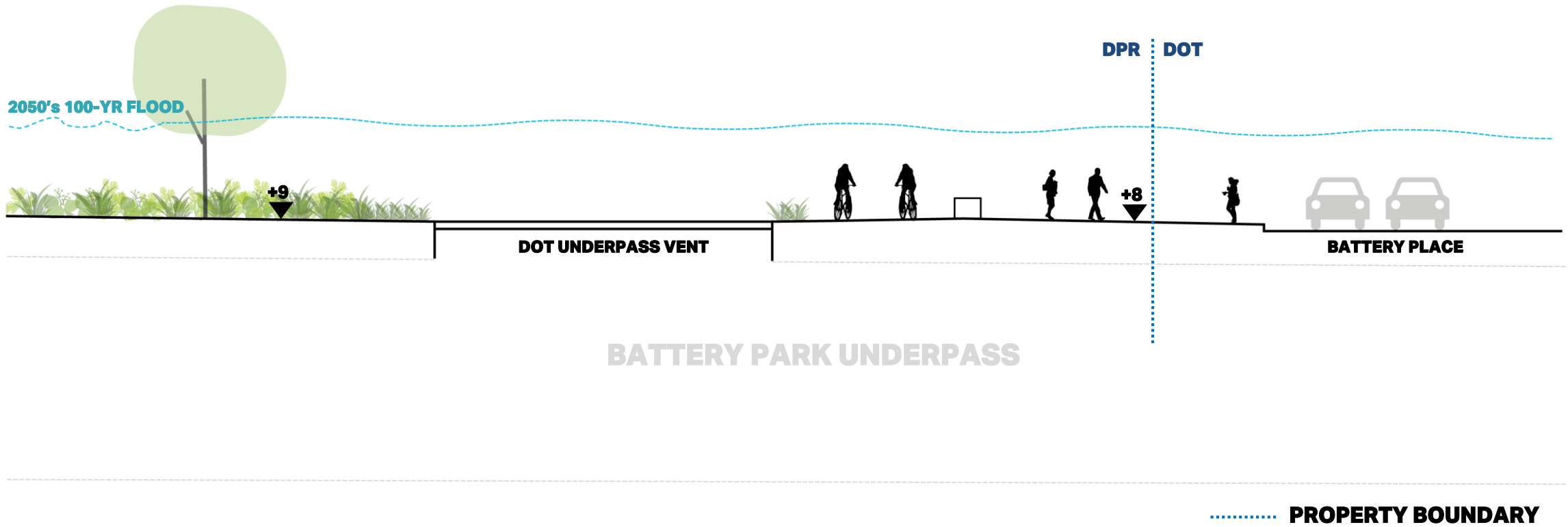
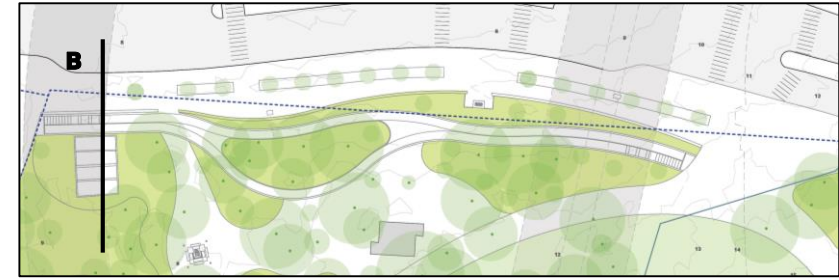
BATTERY BIKEWAY | PROPOSED CONDITIONS

SECTION A



BATTERY BIKEWAY | EXISTING CONDITIONS

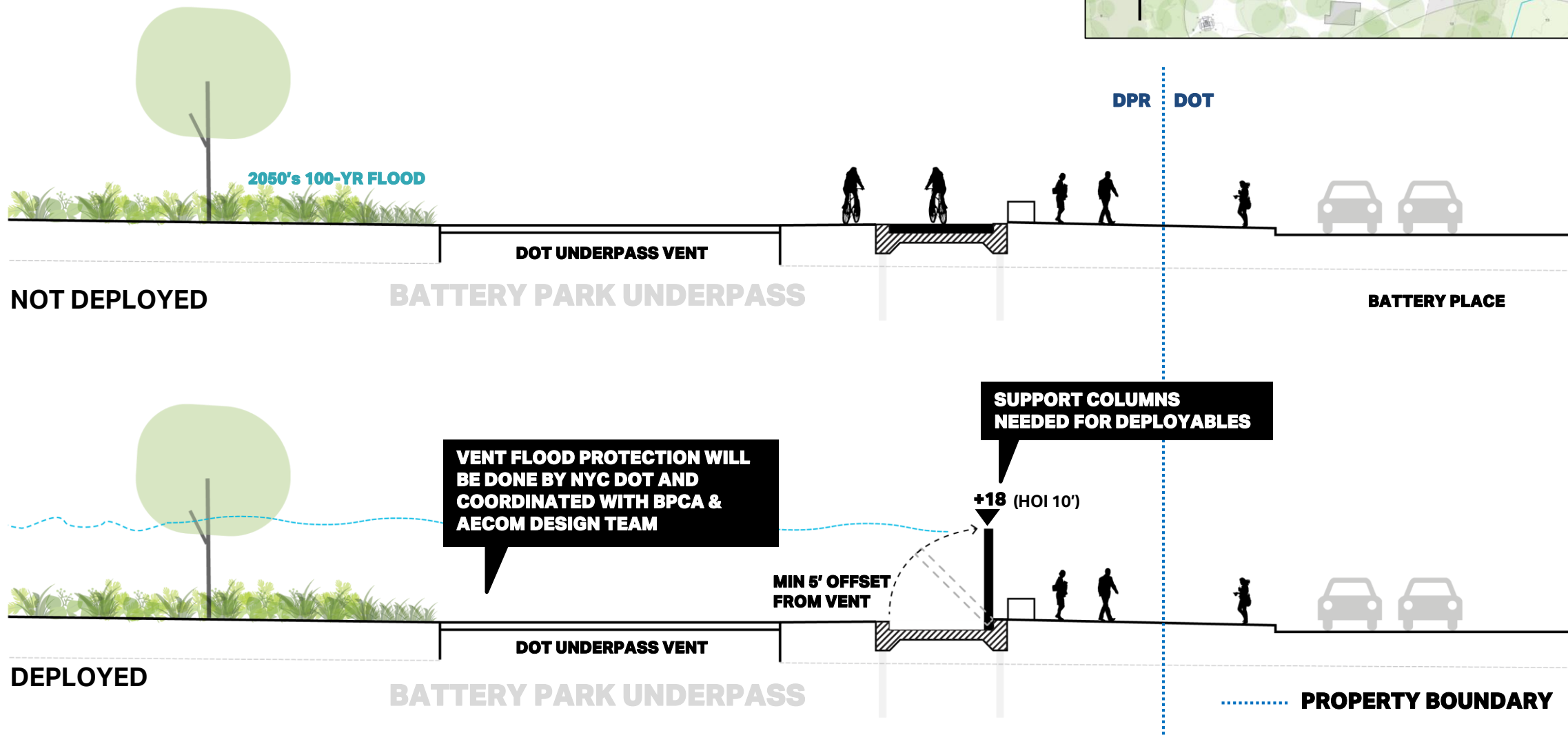
SECTION B



..... PROPERTY BOUNDARY

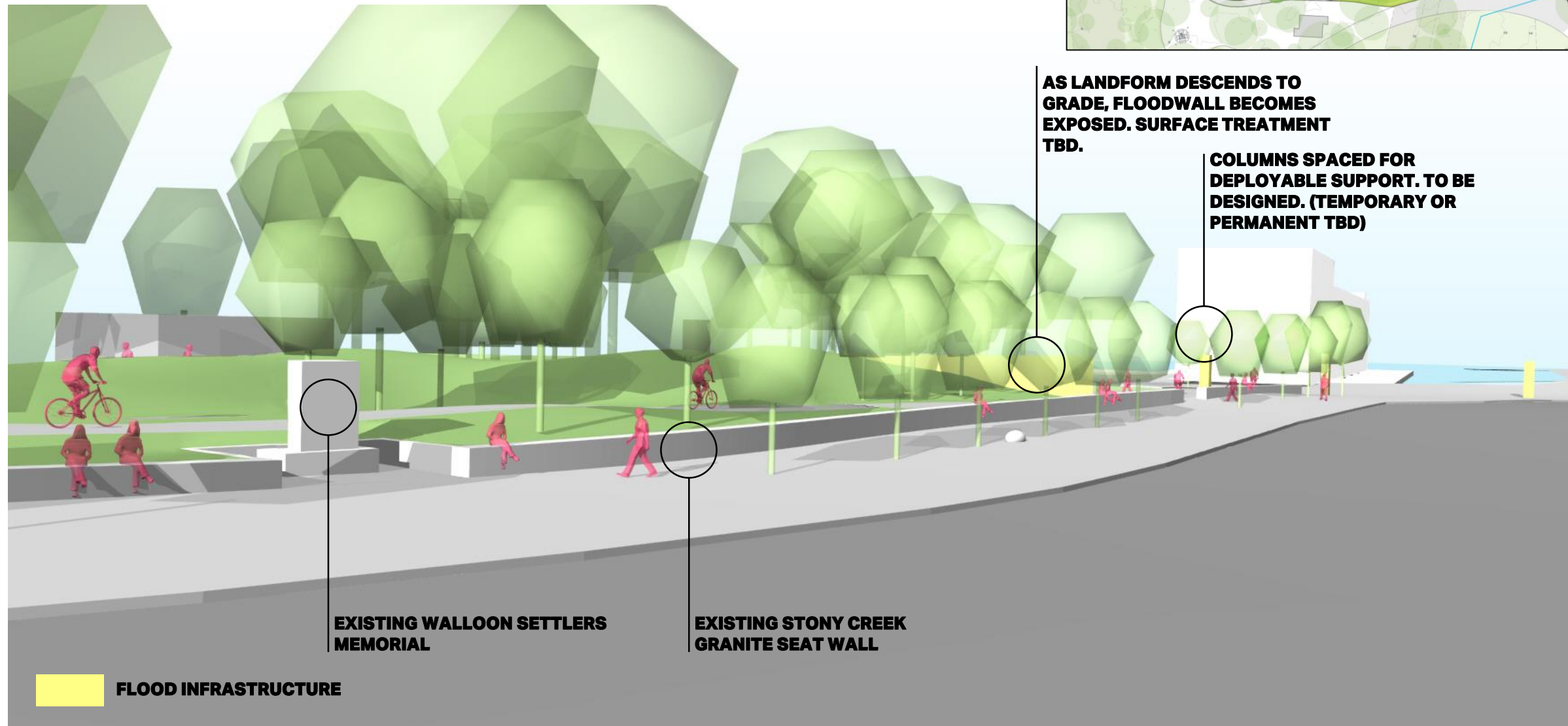
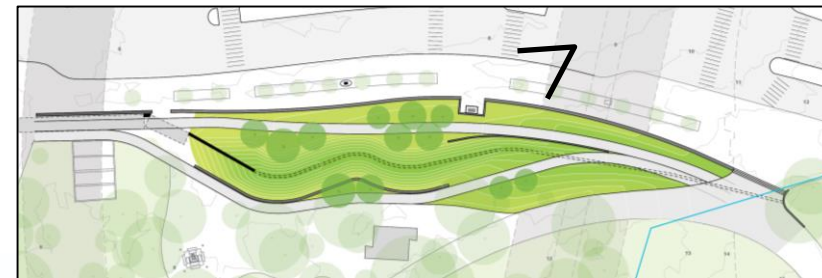
BATTERY BIKEWAY | PROPOSED CONDITIONS

SECTION B



BATTERY BIKEWAY VIEW | PROPOSED CONDITIONS

VIEW LOOKING SOUTHWEST FROM BATTERY PL – NOT DEPLOYED



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

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

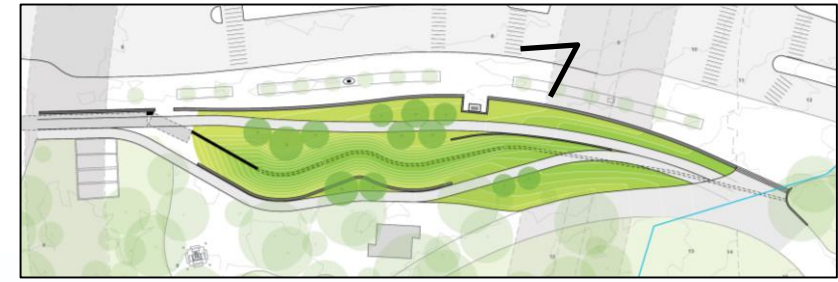
EXISTING WALLOON SETTLERS MEMORIAL

EXISTING STONY CREEK GRANITE SEAT WALL

FLOOD INFRASTRUCTURE

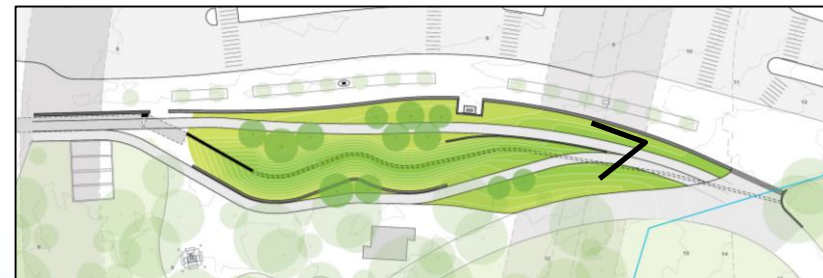
BATTERY BIKEWAY VIEW | PROPOSED CONDITION

VIEW LOOKING SOUTHWEST FROM BATTERY PL - DEPLOYED



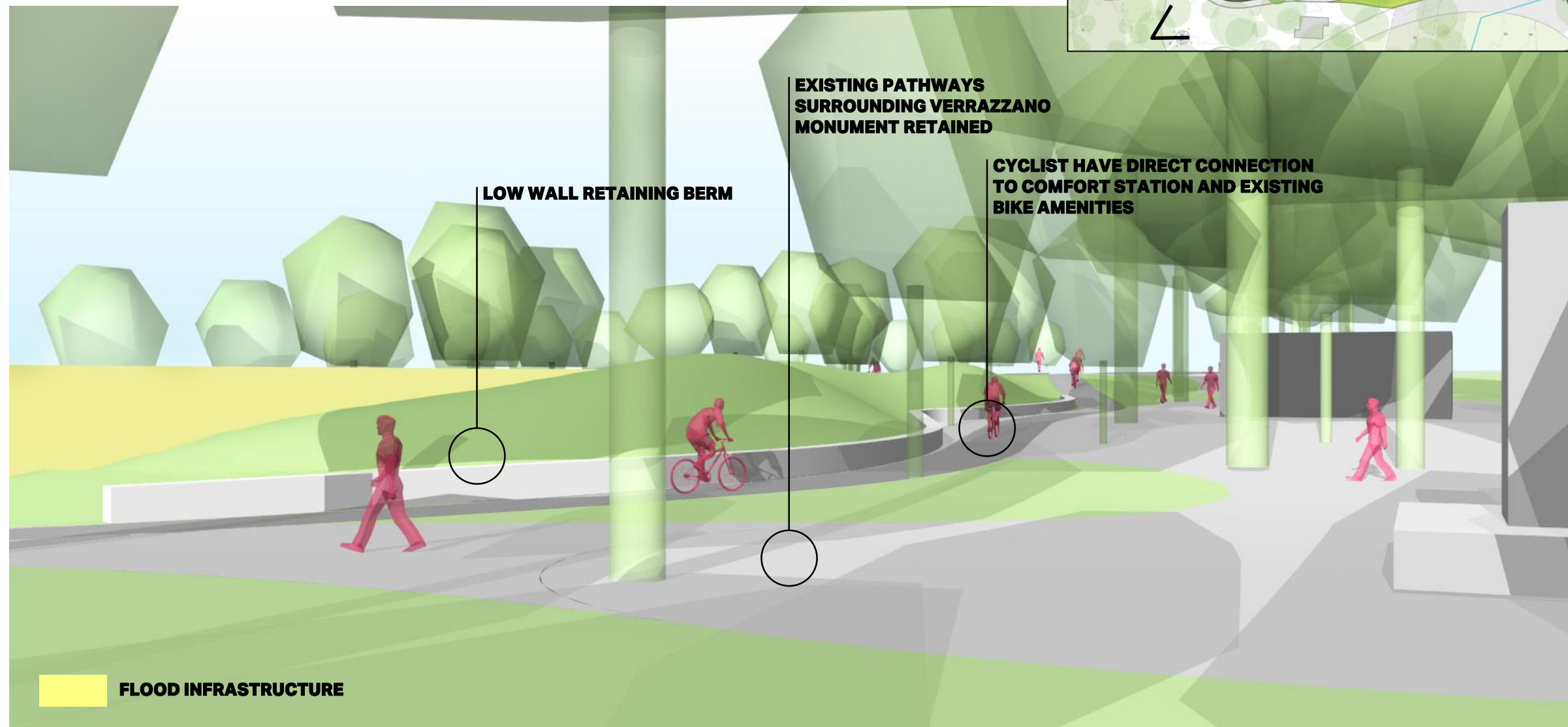
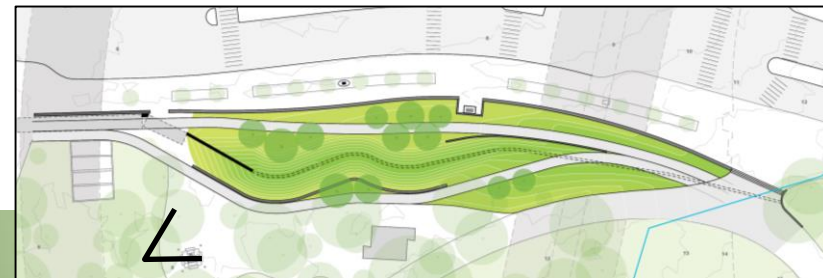
BATTERY BIKEWAY VIEW | PROPOSED CONDITION

VIEW LOOKING SOUTHWEST TOWARDS PIER A



BATTERY BIKEWAY VIEW | PROPOSED CONDITION

VIEW LOOKING EAST FROM VERRAZZANO MONUMENT



THANK YOU

