

REBUILD BY DESIGN HUDSON RIVER

JERSEY CITY HOBOKEN WEEHAWKEN | NEW JERSEY



DESIGN ZONE WORKSHOP - ZONE 2

FEBRUARY 7, 2019



MEETING AGENDA

1. RBD BACKGROUND

- COMPETITION
- PRELIMINARY DESIGN
- FEASIBILITY STUDY

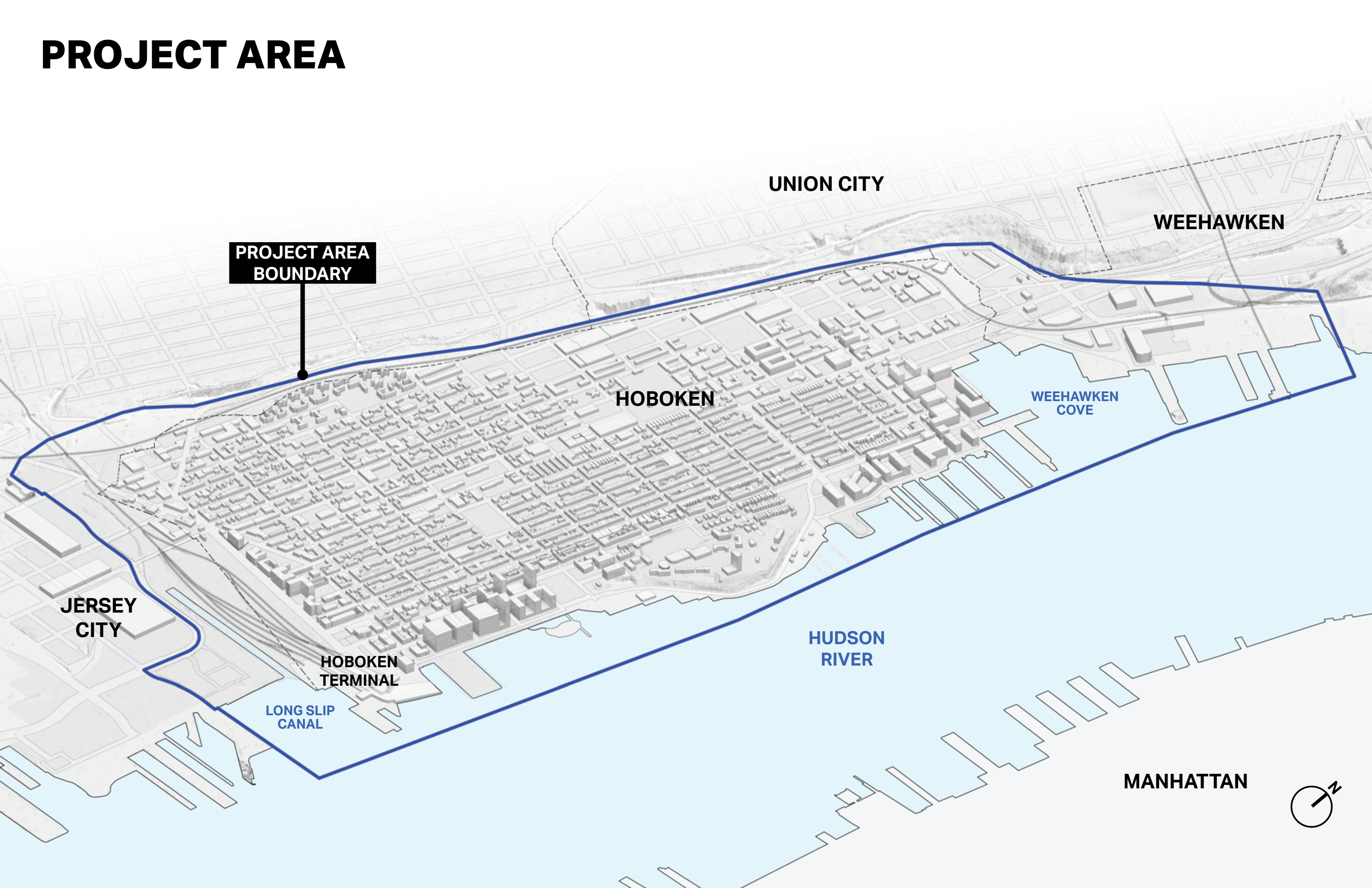
2. COVE PARK DESIGN UPDATE

- PROJECT DRIVERS
 - Public Input
 - Technical Drivers
- COVE PARK CONCEPTS
 - The Bloom
 - The Meadow
 - The Ridge

3. COVE PARK DESIGN MATERIALS

RBD BACKGROUND

PROJECT AREA



UNION CITY

WEEHAWKEN

PROJECT AREA
BOUNDARY

HOBOKEN

WEEHAWKEN
COVE

JERSEY
CITY

HOBOKEN
TERMINAL

LONG SLIP
CANAL

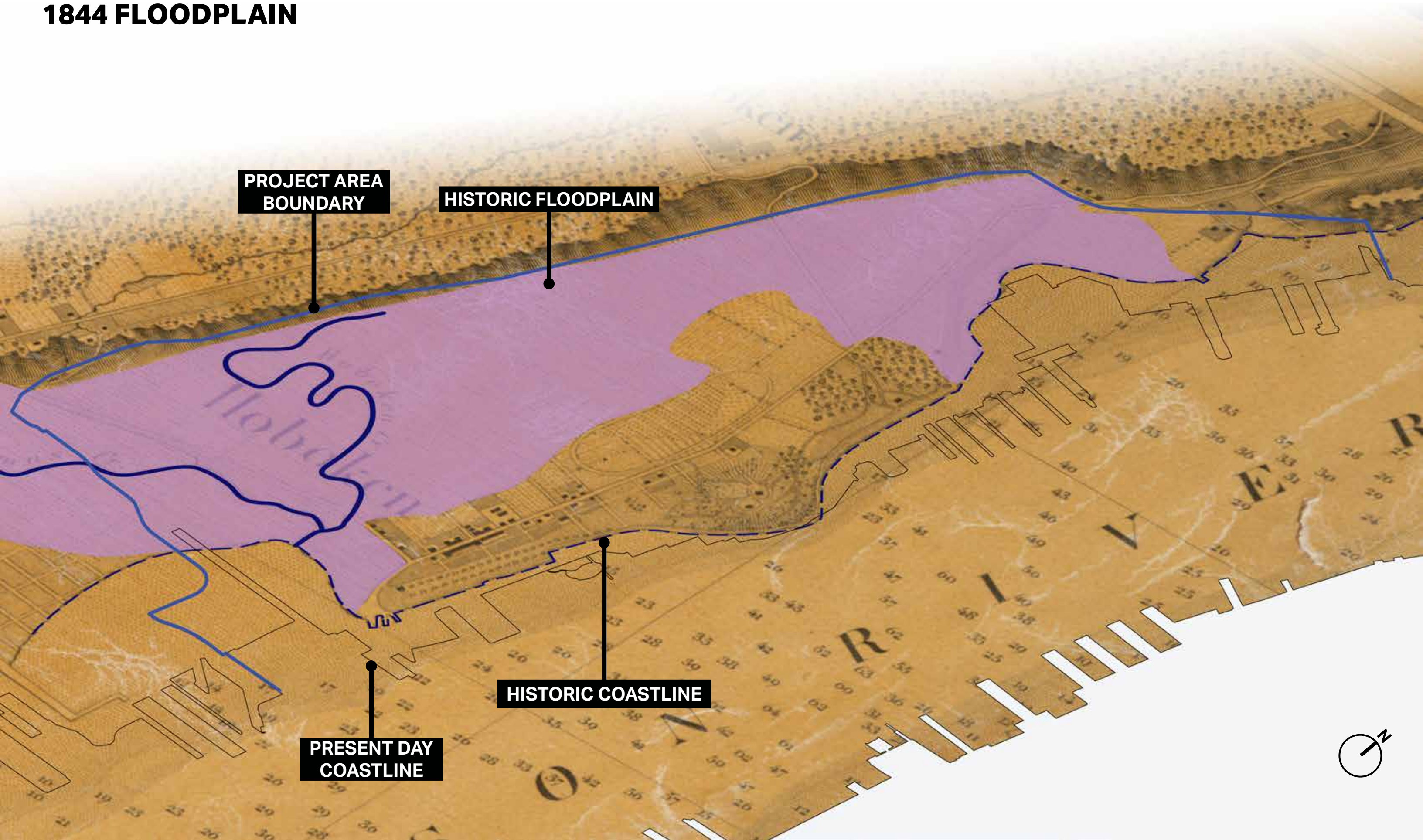
HUDSON
RIVER

MANHATTAN



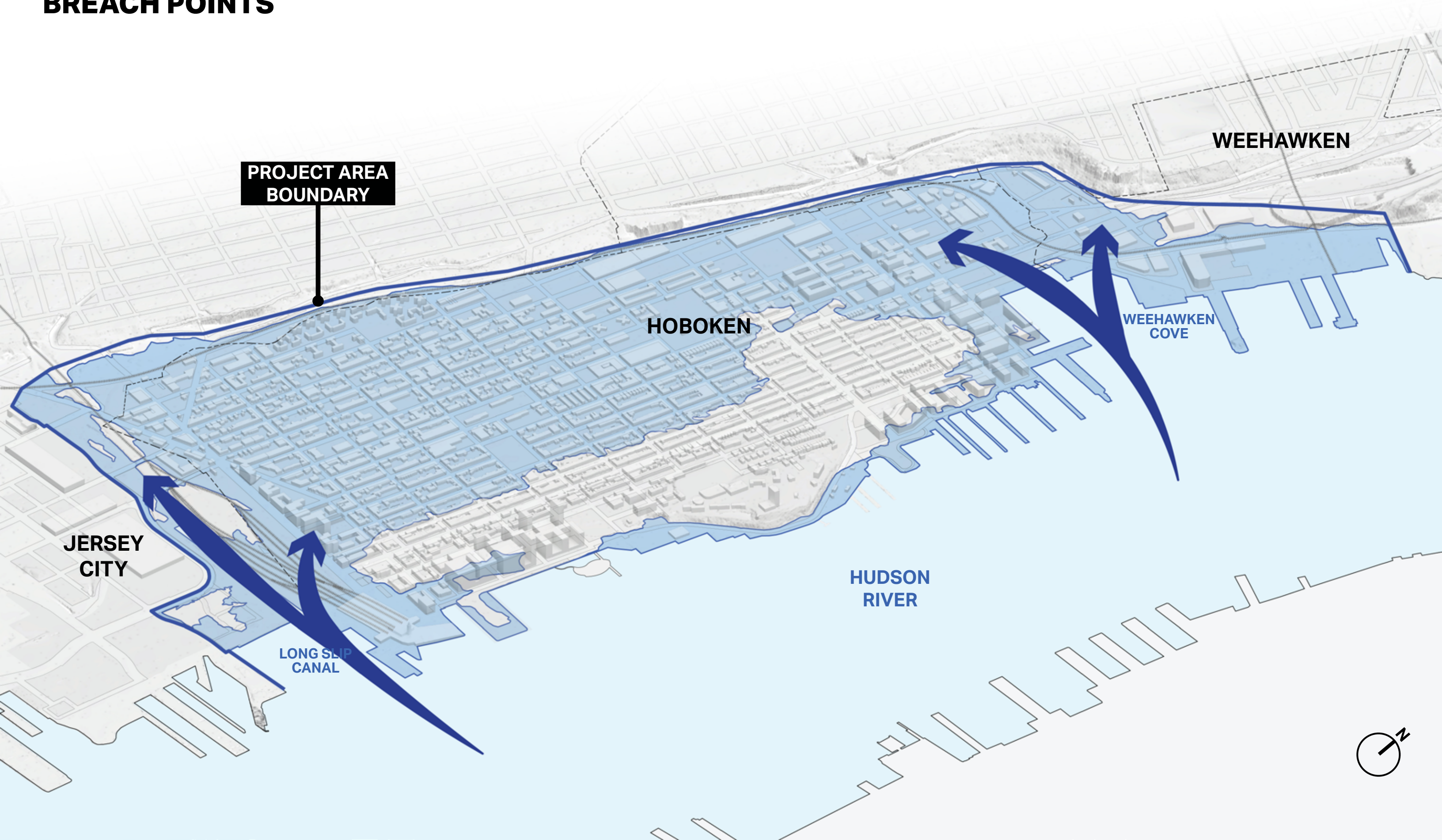
HISTORICAL FLOODING

1844 FLOODPLAIN

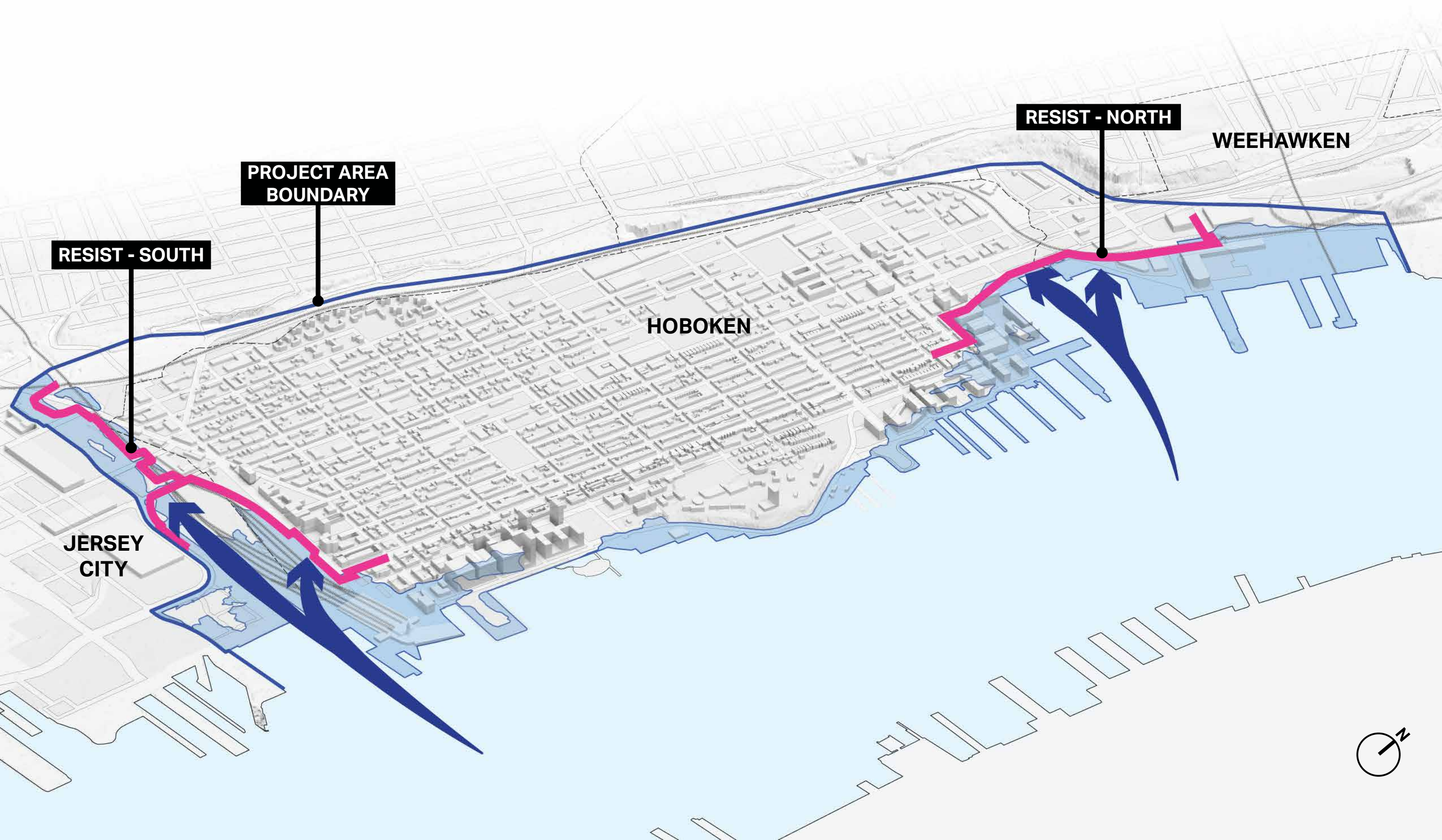


SUPERSTORM SANDY

BREACH POINTS



RESIST ALIGNMENT



RESIST - SOUTH

PROJECT AREA
BOUNDARY

HOBOKEN

RESIST - NORTH

WEEHAWKEN

JERSEY
CITY



PROJECT TIMELINE

COMPETITION TO IMPLEMENTATION



COMPETITION PHASE
4-PART STRATEGY

RESIST



DELAY



STORE



DISCHARGE



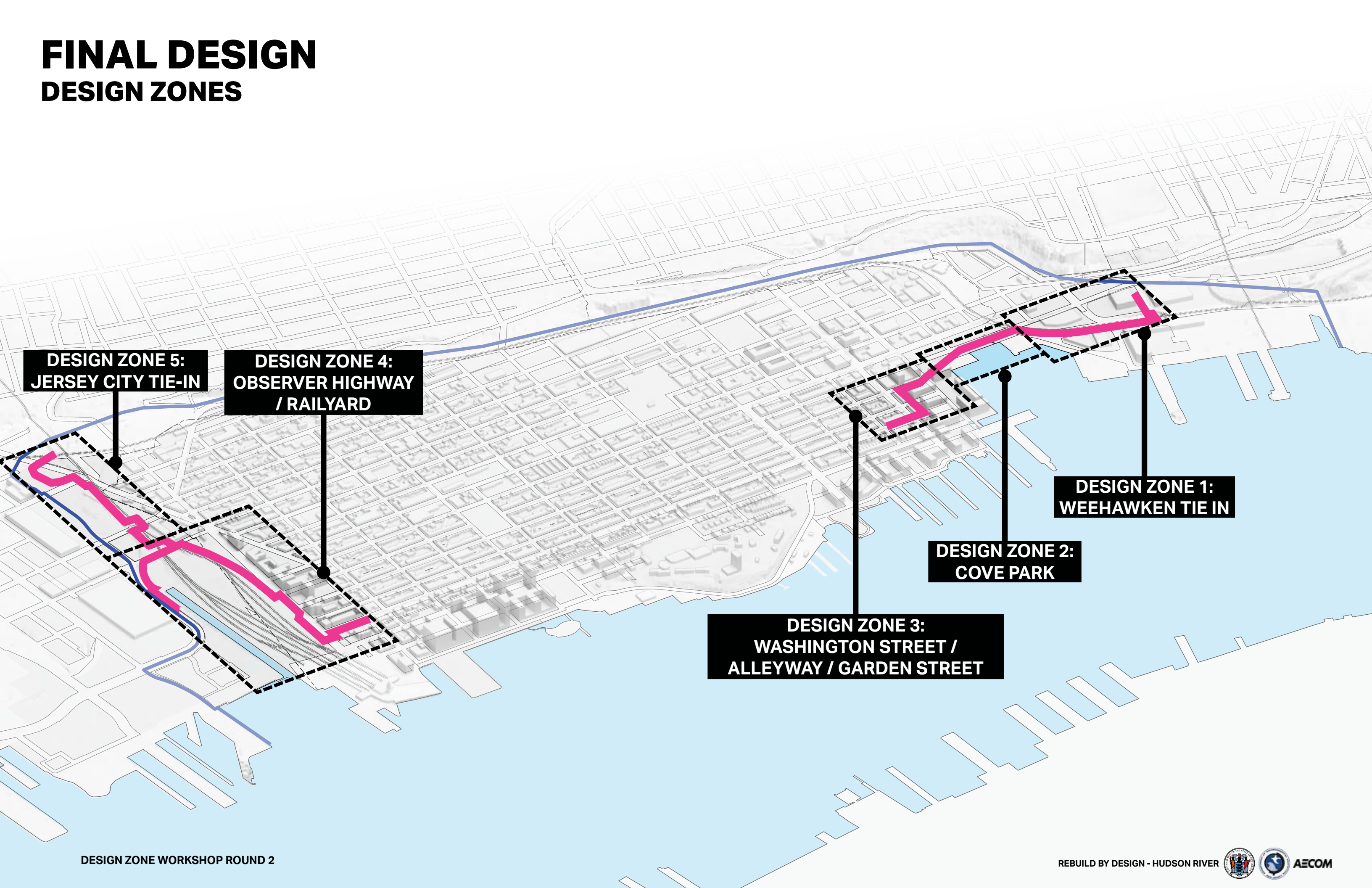
RECOMMENDATION

PREFERRED ALTERNATIVE - ALTERNATIVE 3



FINAL DESIGN

DESIGN ZONES



**DESIGN ZONE 5:
JERSEY CITY TIE-IN**

**DESIGN ZONE 4:
OBSERVER HIGHWAY
/ RAILYARD**

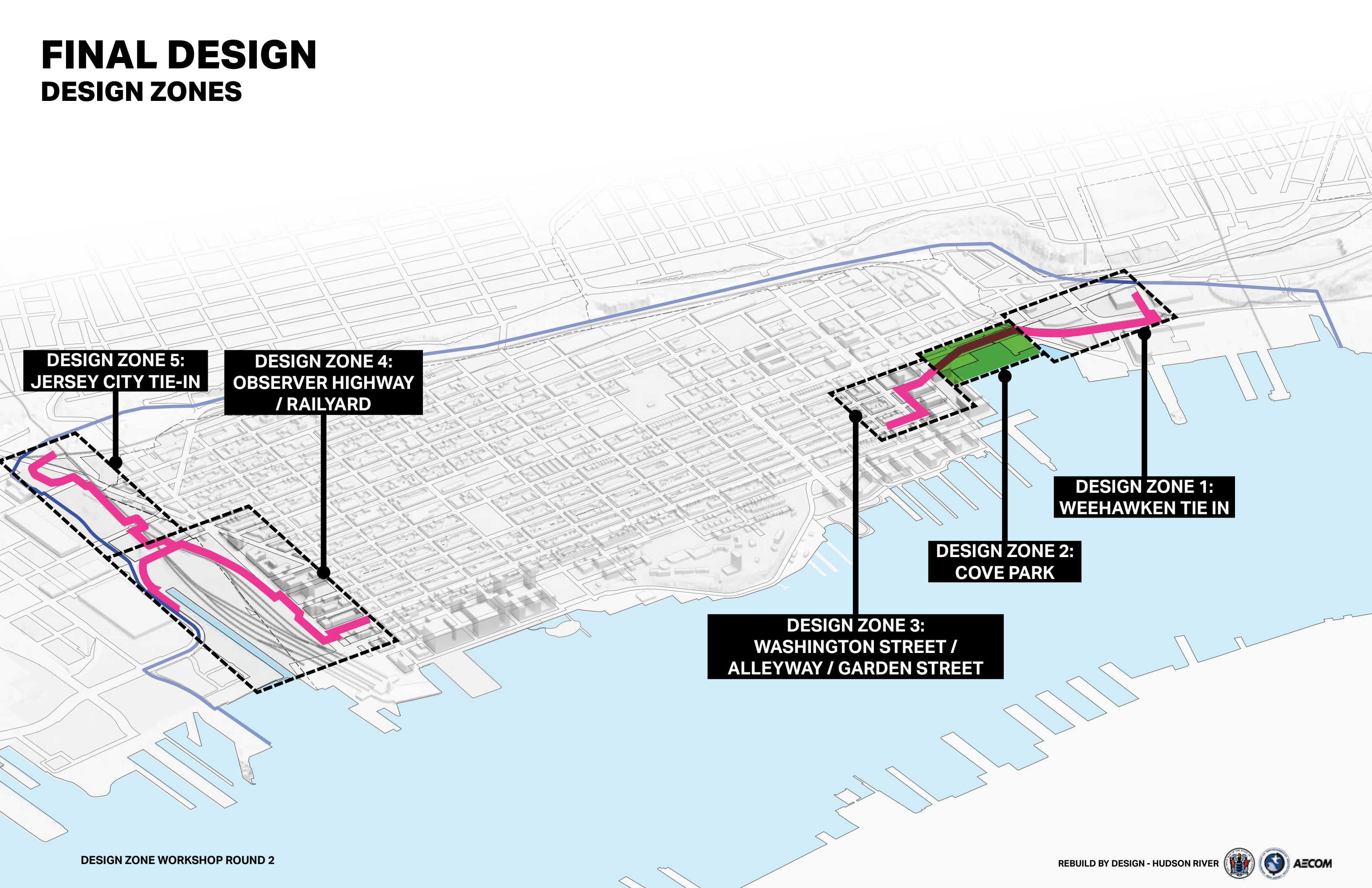
**DESIGN ZONE 1:
WEEHAWKEN TIE IN**

**DESIGN ZONE 2:
COVE PARK**

**DESIGN ZONE 3:
WASHINGTON STREET /
ALLEYWAY / GARDEN STREET**

FINAL DESIGN

DESIGN ZONES



DESIGN ZONE 5:
JERSEY CITY TIE-IN

DESIGN ZONE 4:
OBSERVER HIGHWAY
/ RAILYARD

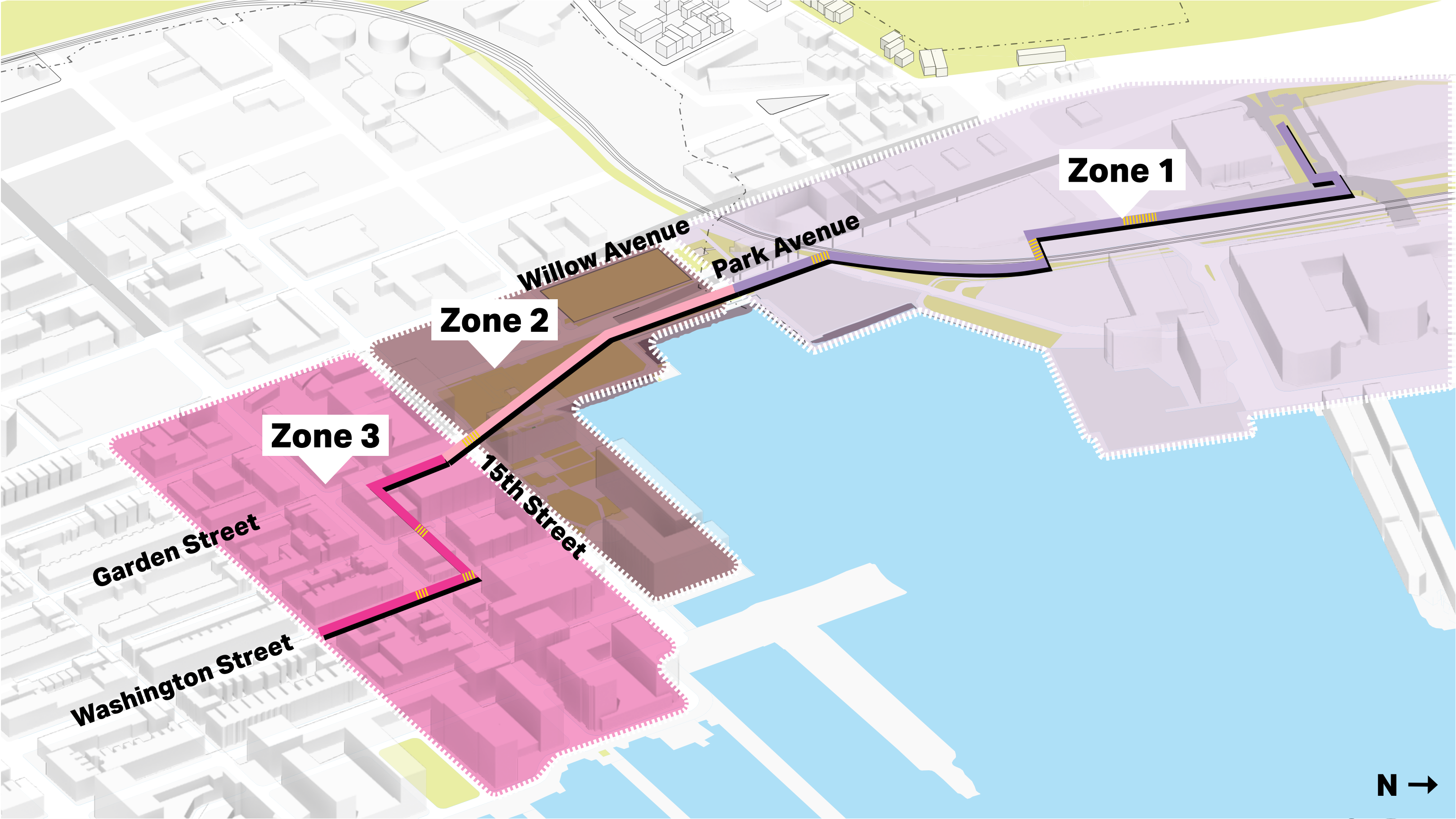
DESIGN ZONE 1:
WEEHAWKEN TIE IN

DESIGN ZONE 2:
COVE PARK

DESIGN ZONE 3:
WASHINGTON STREET /
ALLEYWAY / GARDEN STREET

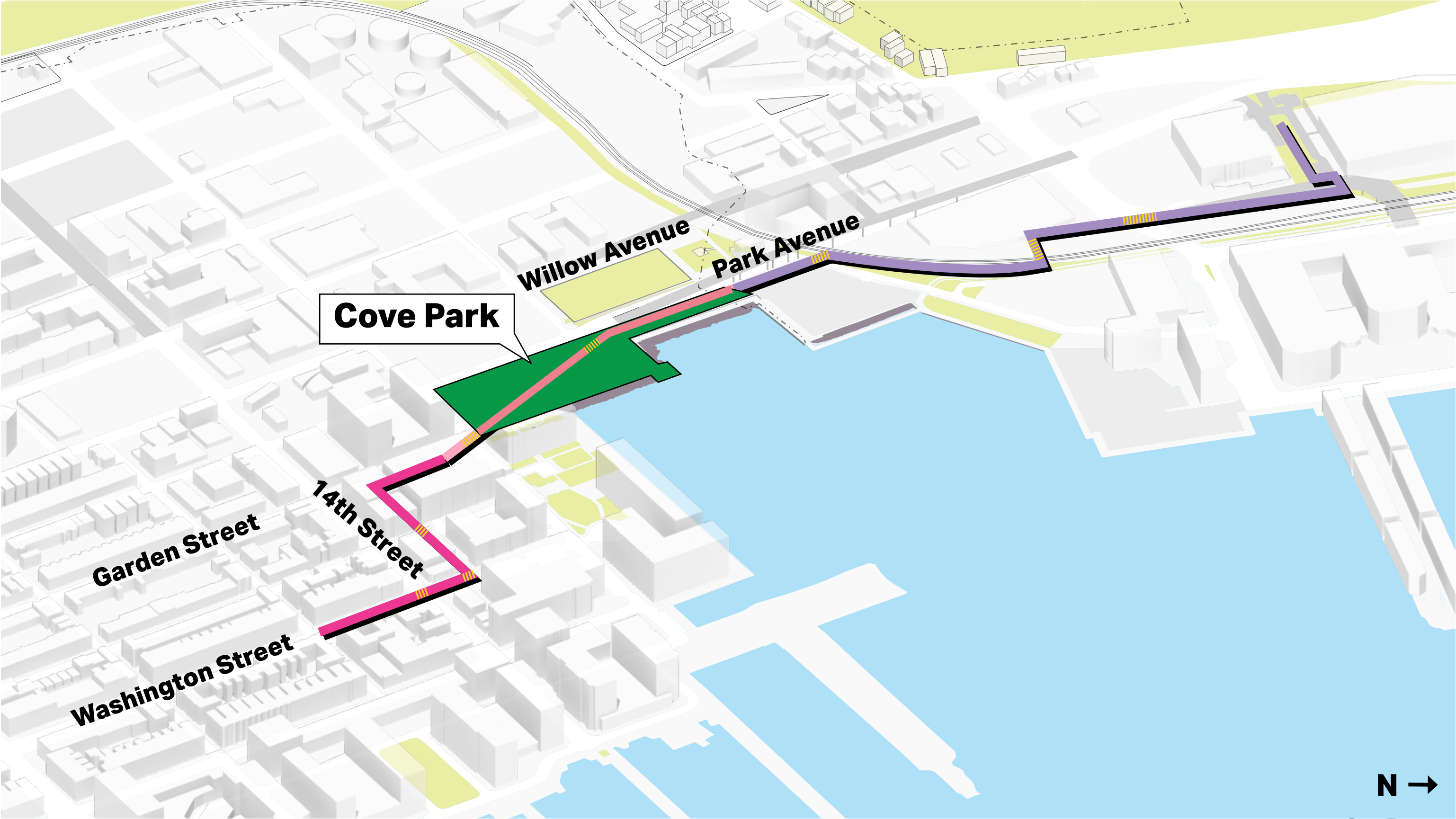
RESIST NORTH

DESIGN ZONES



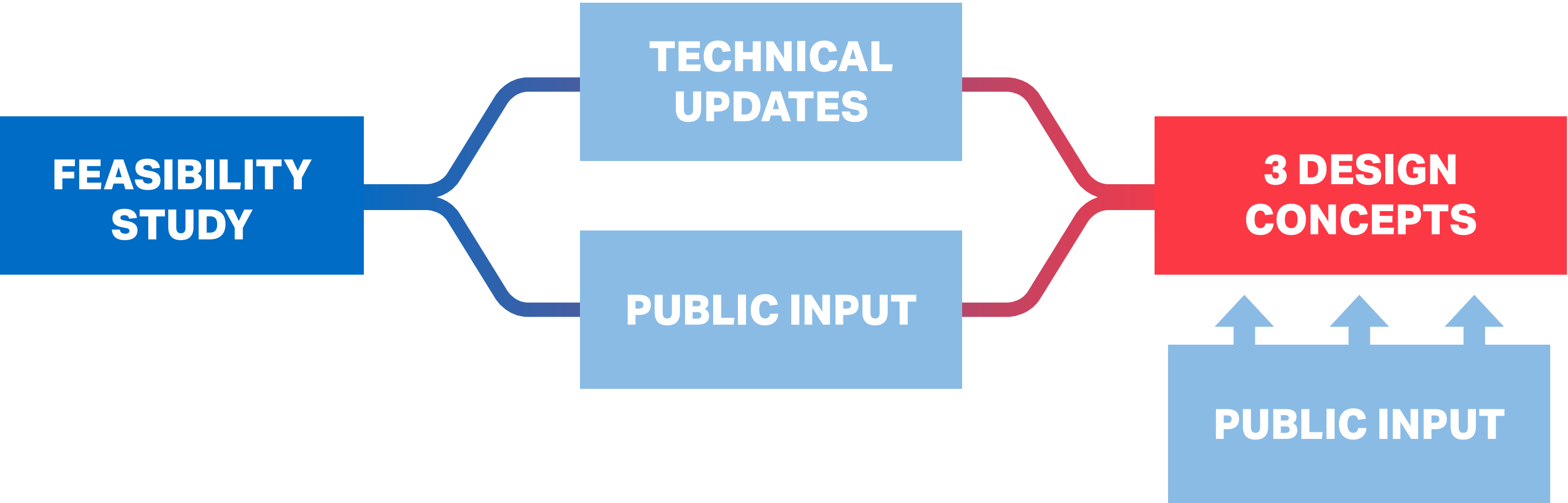
RESIST NORTH

DESIGN ZONE 2 - COVE PARK



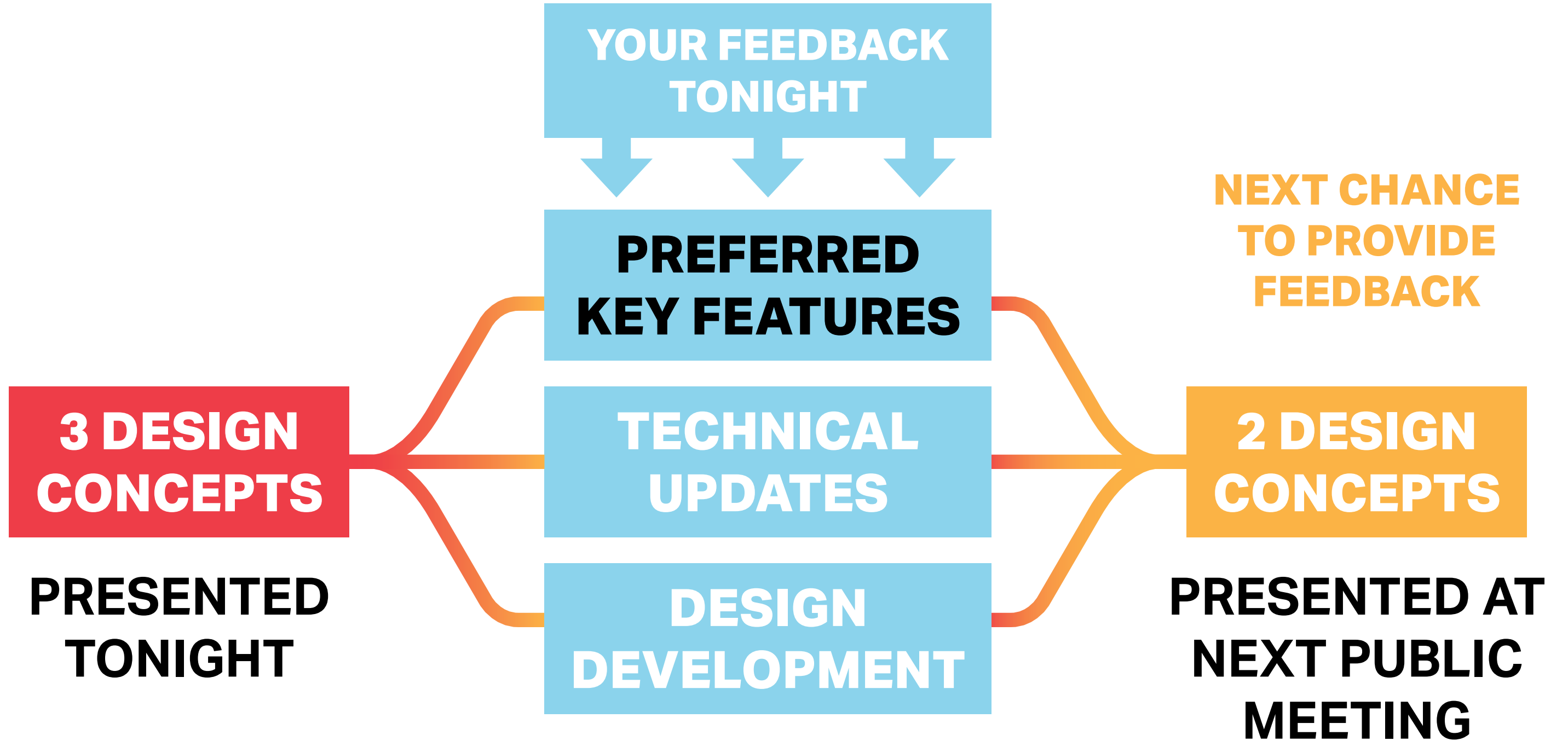
PROJECT DRIVERS

TECHNICAL UPDATES & PUBLIC INPUT INFORMING DESIGN DEVELOPMENT



TONIGHT'S INPUT

PAMPHLET DESCRIPTION

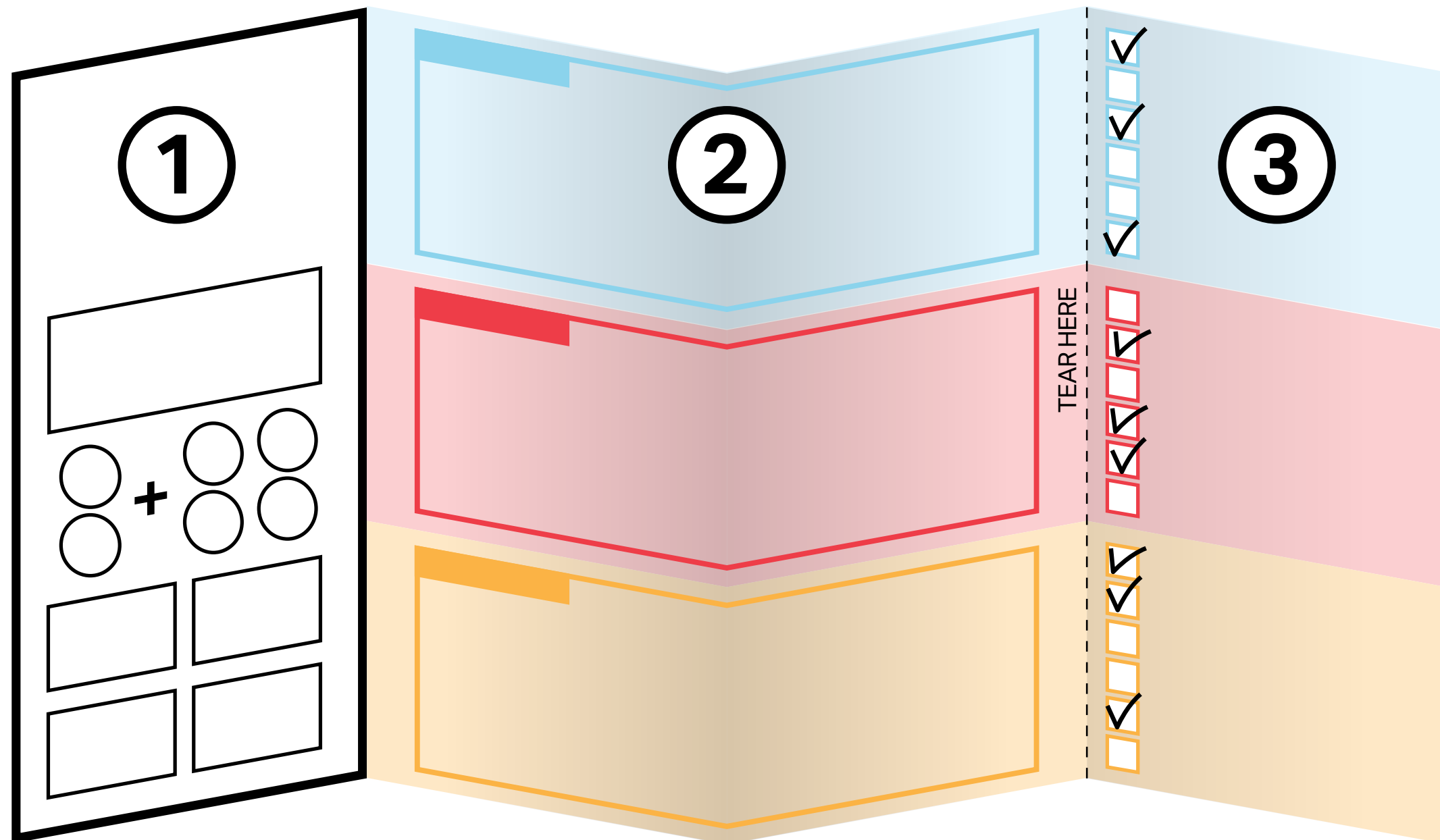


TONIGHT'S INPUT

PAMPHLET DESCRIPTION

Follow along with your pamphlet:

- ① Project Drivers (Technical Updates + Public Input)
- ② Cove Park Design Concepts
- ③ Preferred Key Features Feedback (Tear and hand in before leaving)



TONIGHT'S INPUT

PAMPHLET DESCRIPTION - FRONT SIDE

REBUILD BY DESIGN

HUDSON RIVER

JERSEY CITY | HOBOKEN | WEEHAWKEN | NEW JERSEY



DESIGN ZONE WORKSHOP

February 4, 2019

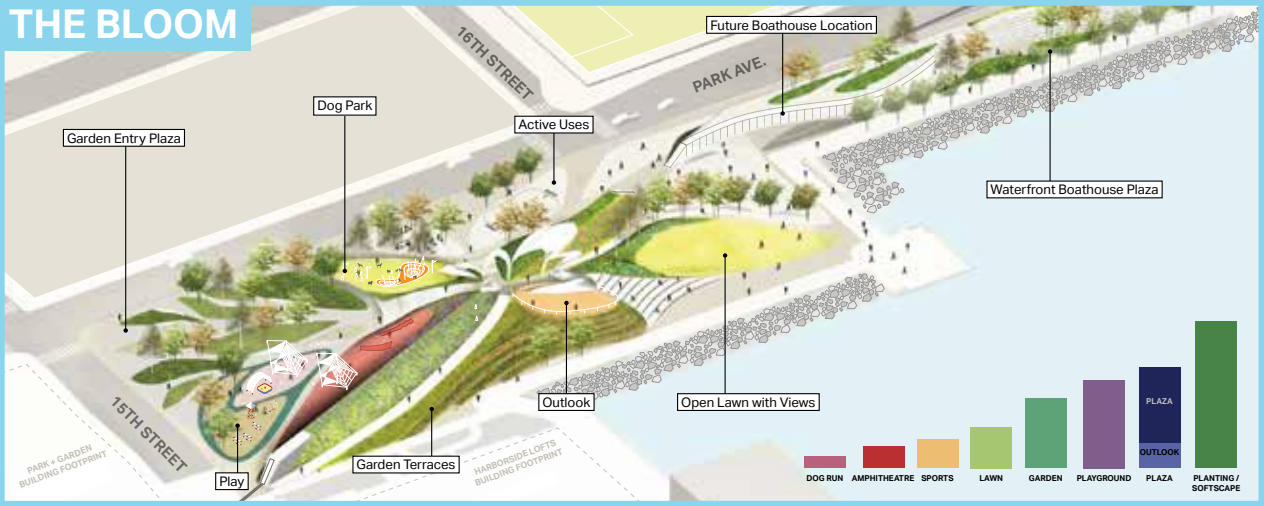
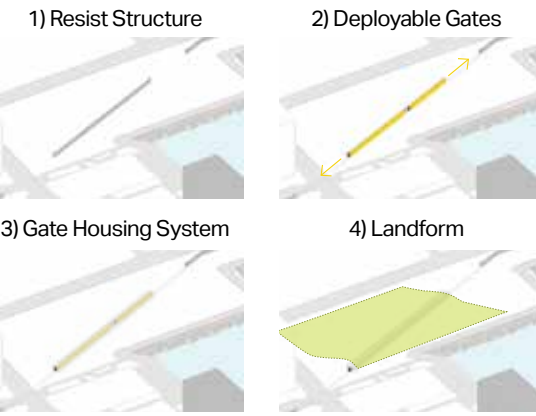
What area are we looking at tonight?



What are the main design drivers?



How is the structure integrated into the park's design?

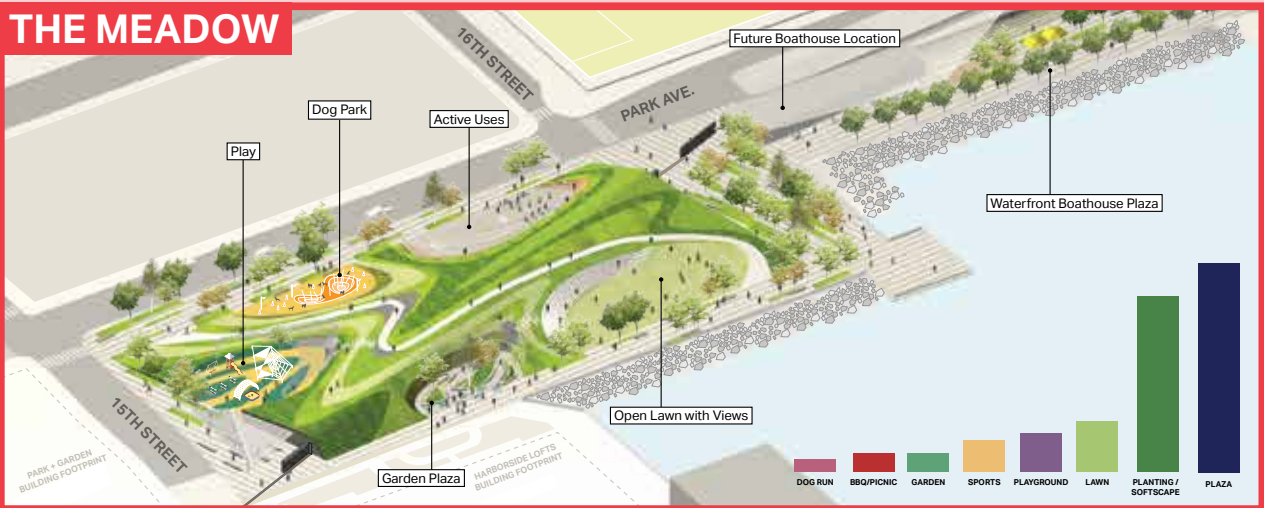


Which key features do you like for...

THE BLOOM

- ☐ Entry garden plaza with planting, trees and seating
- ☐ Play spaces for all ages
- ☐ Elegant shapes featuring vibrant, colorful plantings
- ☐ Elevated outlook petal with blossom shade canopy, surrounded by planted garden terraces
- ☐ Large, gentle sloping lawn adjacent to amphitheater seating
- ☐ A variety of circulation routes through the park
- ☐ Open plaza area near 16th Street for flexible use, markets and events
- ☐ Active uses nearer existing soccer field on 16th Street and Park Avenue

Please provide additional feedback on back

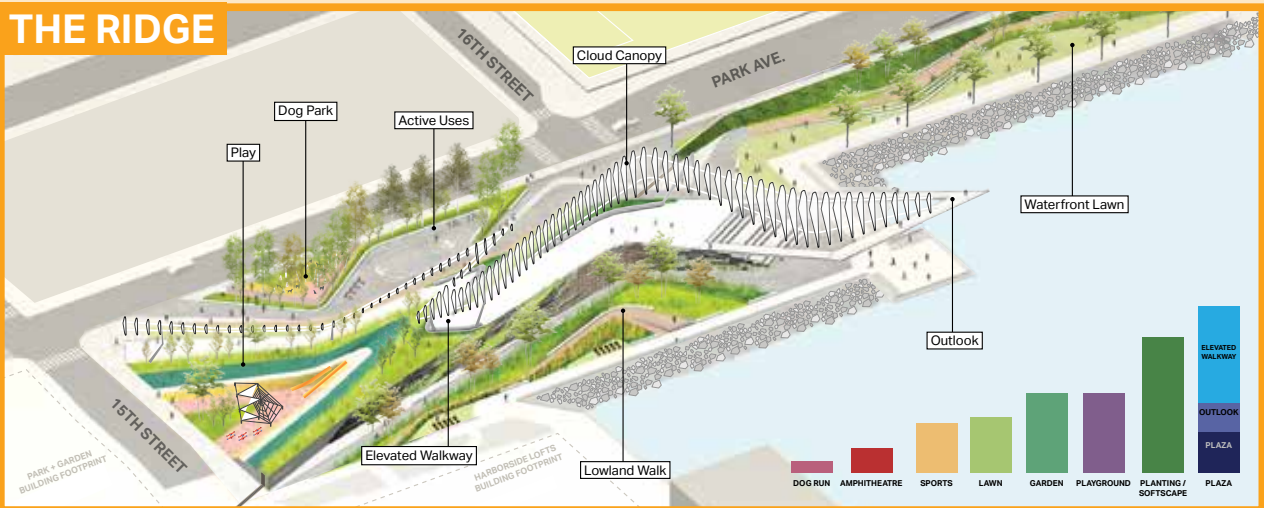


Which key features do you like for...

THE MEADOW

- ☐ Central native planting feature for visual impact as passive enjoyment
- ☐ Play spaces for all ages
- ☐ Large open lawn with amphitheater
- ☐ Secluded pockets with a variety of park uses
- ☐ Path/Trail through nature
- ☐ Various natural elements that change with the seasons
- ☐ Ample flexible plaza spaces with planting, seating and shade
- ☐ A mix of sunny and shaded spaces

Please provide additional feedback on back



Which key features do you like for...

THE RIDGE

- ☐ Elevated walkway with defining cloud canopy
- ☐ Lowland walk with seating and unique boardwalk experience
- ☐ Stone "Palisades" feature wall with stepped seating and planting
- ☐ Dynamic outlook providing views, seating and shade
- ☐ Multi-level planted terraces with native plantings
- ☐ Play spaces for all ages
- ☐ Alternate future boathouse location underneath elevated park walkway feature
- ☐ Lawn spaces with great skyline views located in skinny northern portion of the park

Please provide additional feedback on back

TONIGHT'S INPUT

PAMPHLET DESCRIPTION - BACK SIDE

What are your thoughts about the...
THE BLOOM

Thank you for your feedback!

TEAR HERE



What are your thoughts about the...
THE MEADOW

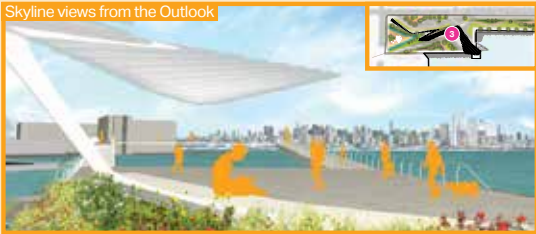
Thank you for your feedback!



What are your thoughts about the...
THE RIDGE

Thank you for your feedback!

TEAR HERE

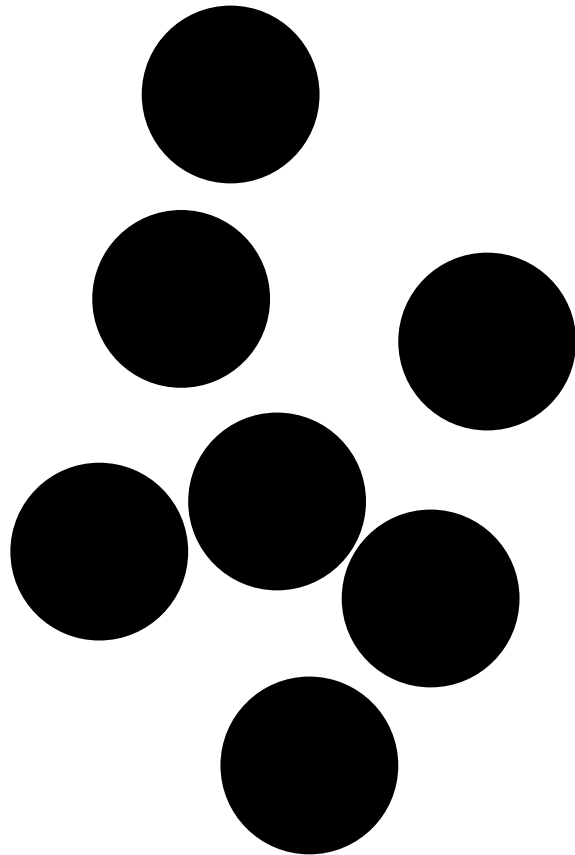


PUBLIC INPUT

COMMUNITY ENGAGEMENT RECAP

PREVIOUS ACTIVITY MATERIALS

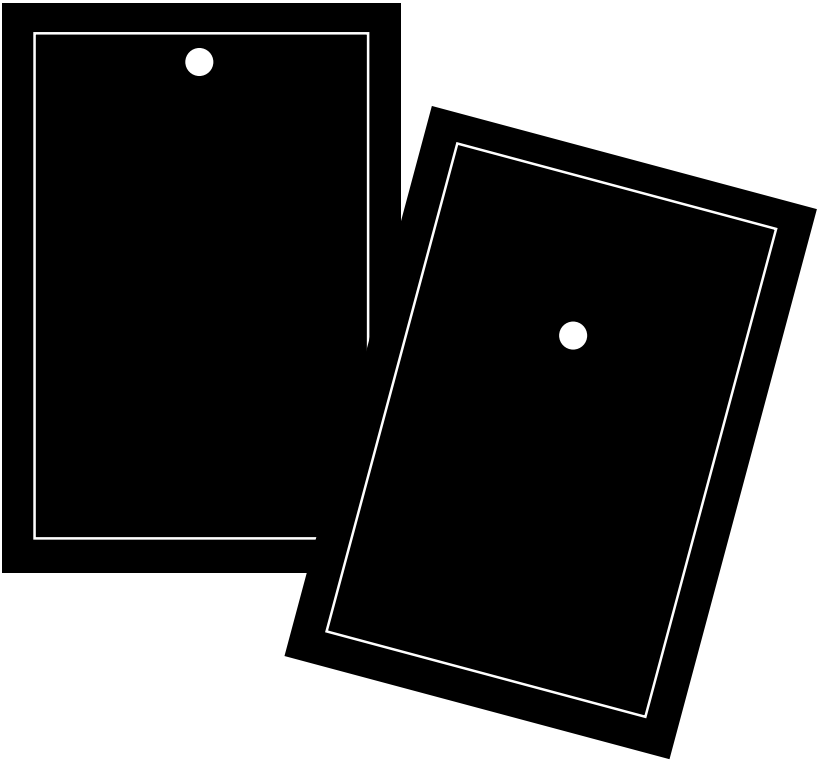
Public Meeting #1



Stickers

848 Sticker Responses

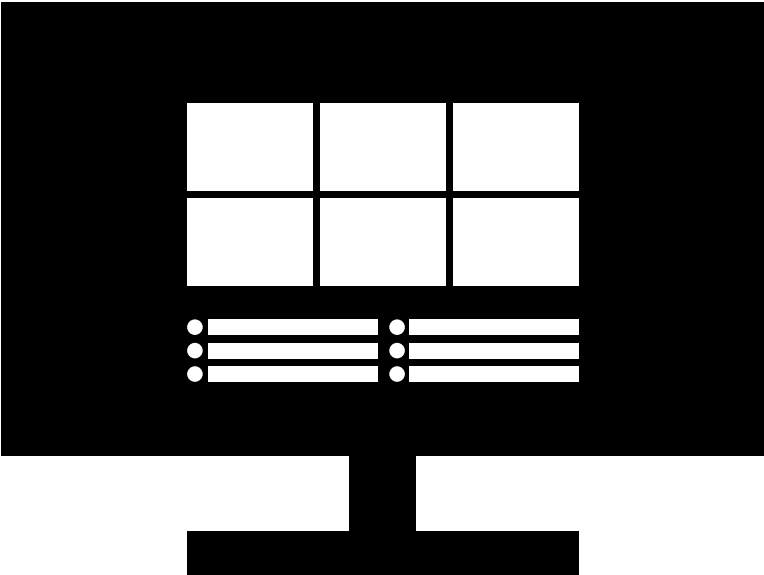
Design Zone Workshop #1



Playing Cards

158 Character Responses
299 Amenity Responses

Digital Survey



Online Survey

1,453 Survey Responses

COMMUNITY ENGAGEMENT RECAP

DATA COLLECTED




Public Meeting #1

DESIGN ZONE WORKSHOP ROUND 2




Design Zone Workshops Round 1



Community Engagement Survey

1

Map of overall design showing all 5 Zones.



2

What is your interest in Hoboken, Jersey City, and Weehawken?

	Live here	Work here	Live and work here	Other
Hoboken	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Jersey City	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weehawken	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

3

A number of meetings were held on the five major zones throughout Hoboken, Weehawken, and Jersey City. Which of the meetings have you attended? *

Digital Survey

COMMUNITY ENGAGEMENT RECAP

UNIQUE EXPERIENCES - WATERFRONT PARK RECREATIONAL EXPERIENCE



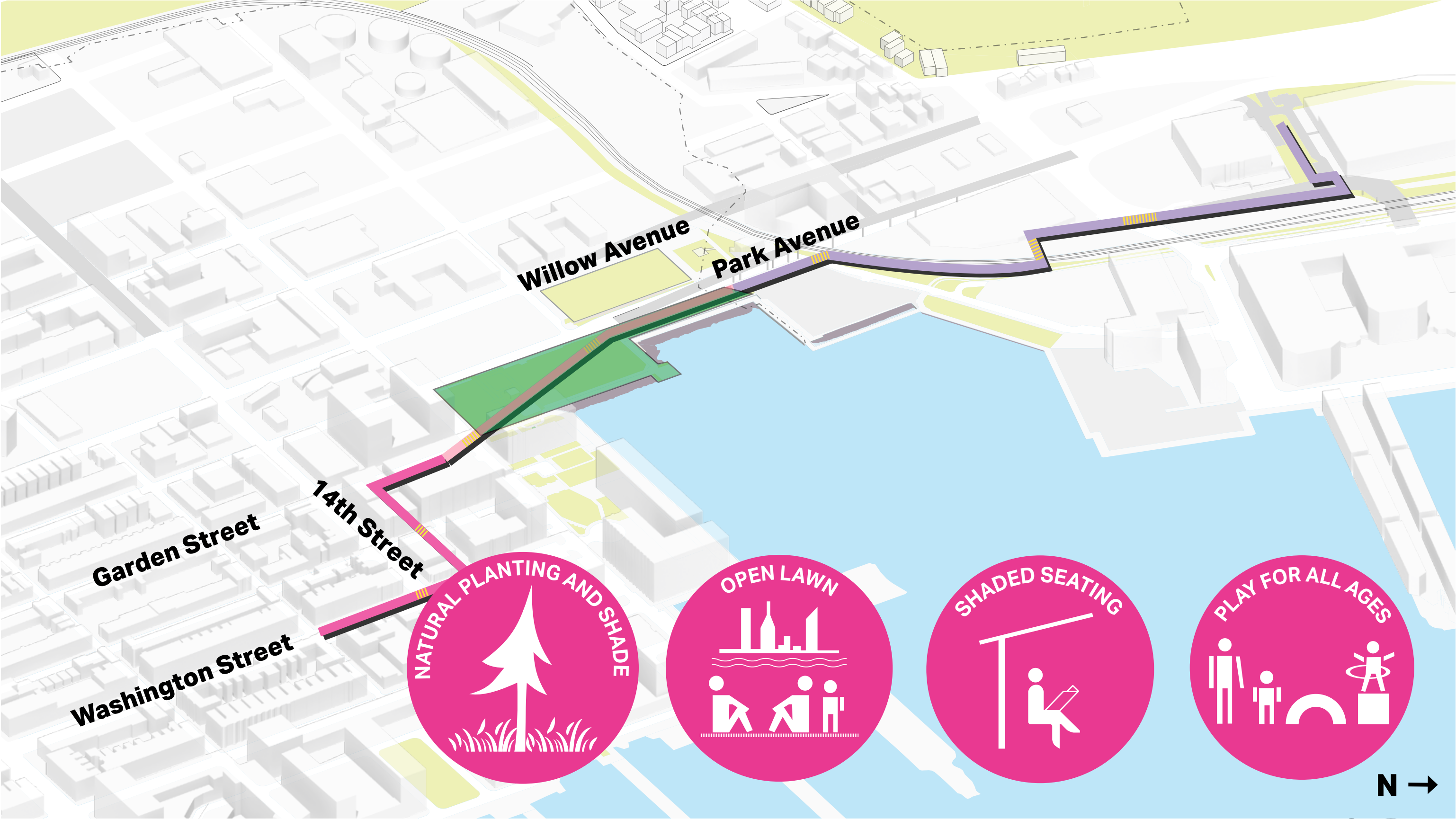
PUBLIC INPUT TAKEAWAYS

ZONE 2 - COVE PARK



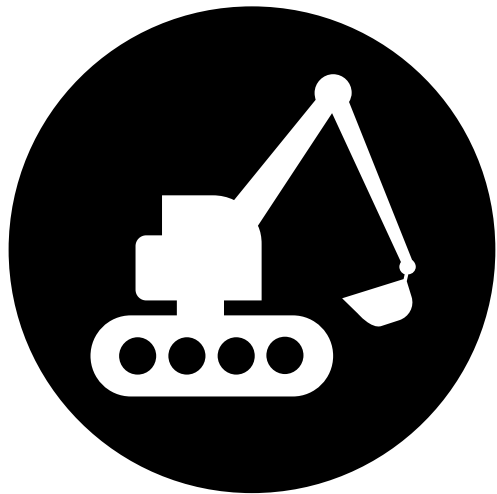
PUBLIC INPUT TAKEAWAYS

ZONE 2 - COVE PARK MUST HAVES

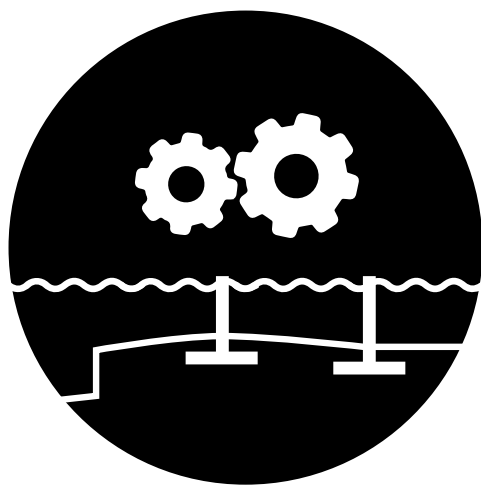


ZONE 2 COVE PARK

DESIGN OBJECTIVES



CONSTRUCTIBILITY
& FEASIBILITY



RESILIENCE &
SUSTAINABILITY



ACCESSIBILITY
& SAFETY



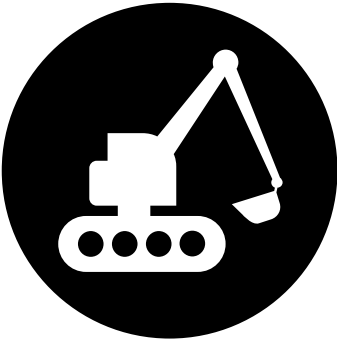
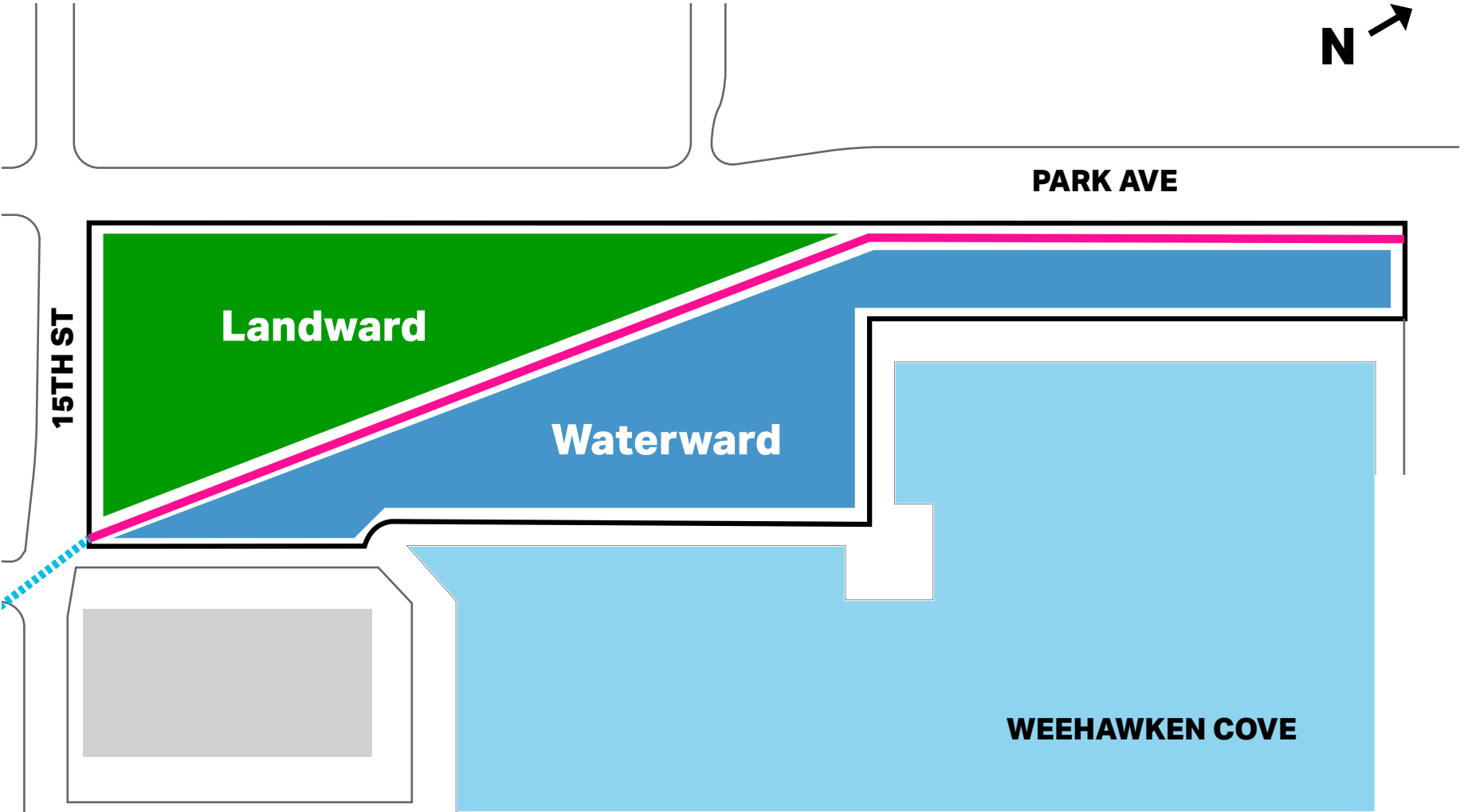
VISUAL IMPACT



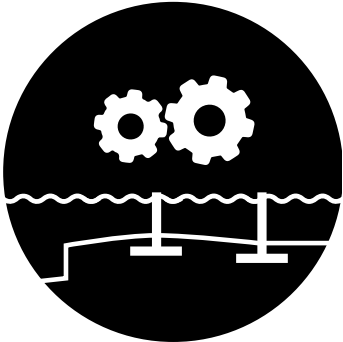
PROGRAM
OPPORTUNITIES

ZONE 2 COVE PARK

DESIGN OBJECTIVES - RESILIENCE & SUSTAINABILITY



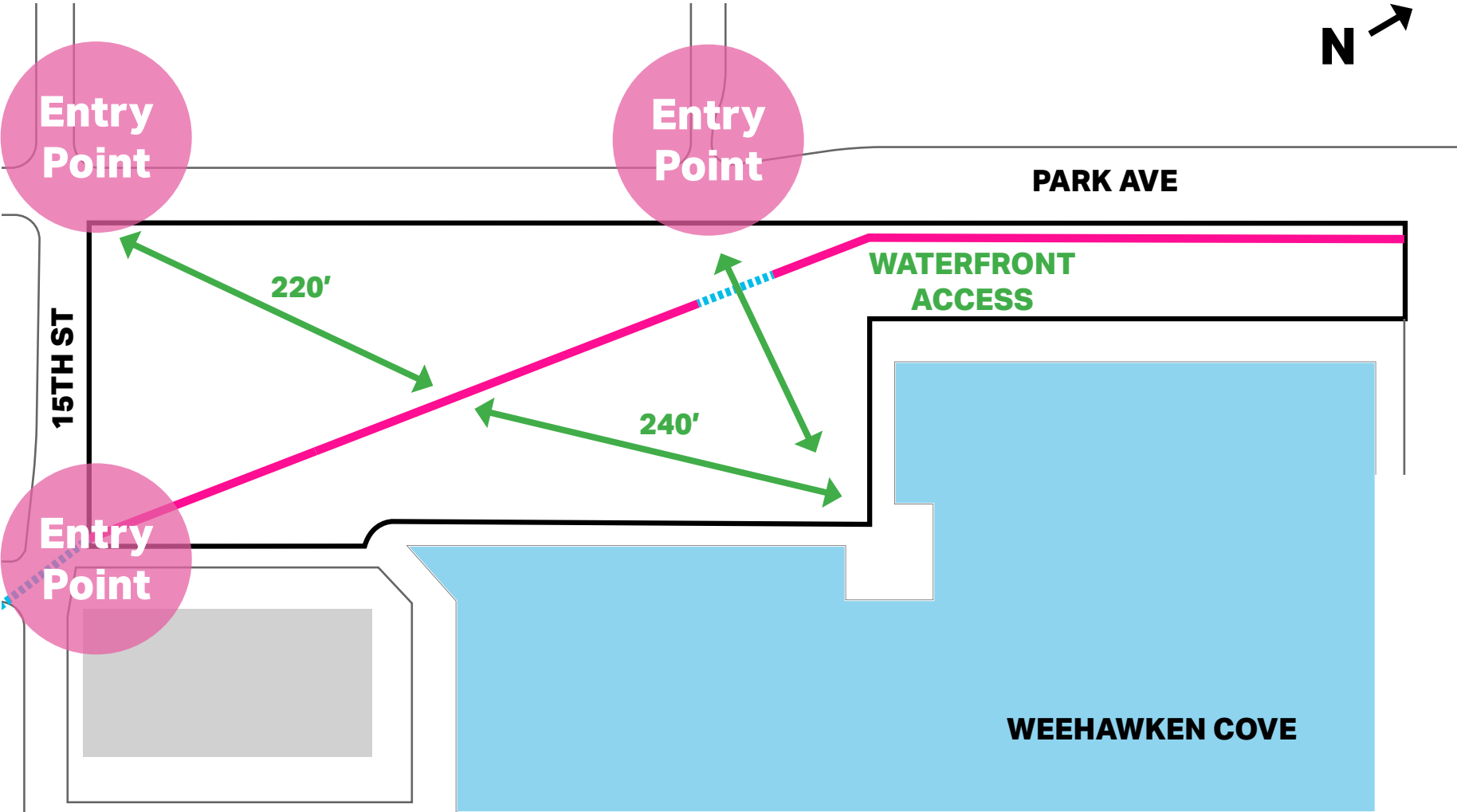
CONSTRUCTIBILITY
& FEASIBILITY



RESILIENCE &
SUSTAINABILITY

ZONE 2 COVE PARK

DESIGN OBJECTIVES - ACCESS



VISUAL IMPACT



ACCESSIBILITY & SAFETY

- + SAFE AND DIRECT EMERGENCY ACCESS TO NORTH END OF THE PARK**
- + EASE OF ACCESS AT CRITICAL POINTS IDENTIFIED BY COMMUNITY INPUT**
- + ADDED POROSITY AND CONNECTION TO THE WATERFRONT**

+ COMMUNITY INPUT IDENTIFIED CRITICAL ENTRY POINTS FOR THE PARK

16TH STREET & PARK AVE

15TH STREET & PARK AVE

15TH STREET & GARDEN STREET

ZONE 2 COVE PARK

DESIGN OBJECTIVES - PROGRAMMATIC OPPORTUNITIES: SCALE STUDY



PROGRAM OPPORTUNITIES

CHURCH SQUARE



SINATRA PARK



PIER 13



NEWPORT GREEN PARK



BROOKLYN BRIDGE PARK



PARK AVE



15TH ST

DOG PARK

PICNIC

COURT

BOAT HOUSE

PICNIC

PLAY
PLAY
PLAY

AMPHITHEATER

LAWN

AMPHITHEATER

PIER C



PIER A

WEEHAWKEN COVE

- Amphitheater
- Dog Park
- Multipurpose Court
- Playground
- Lawn
- Picnic
- Boat House



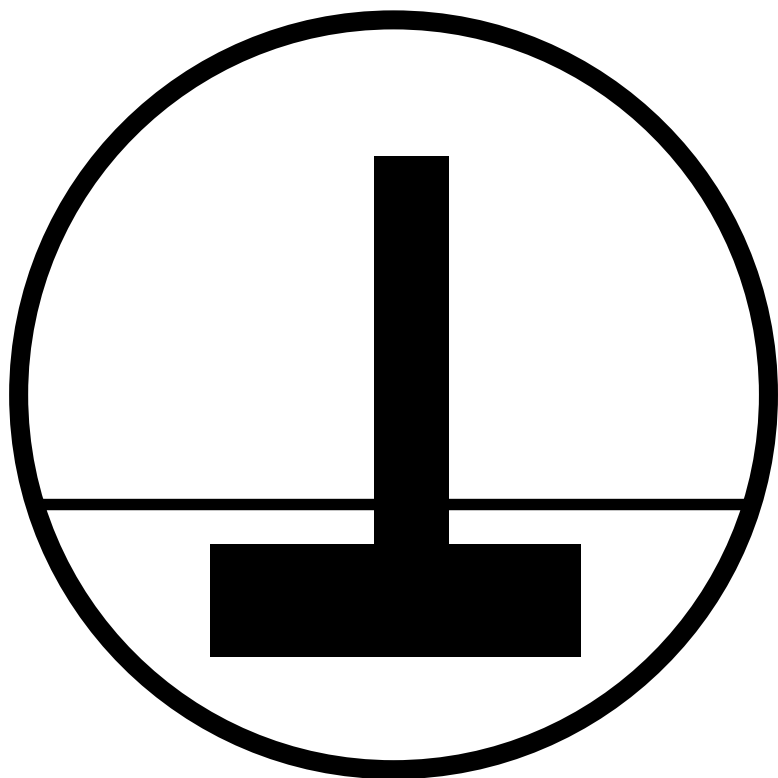
TECHNICAL DRIVERS



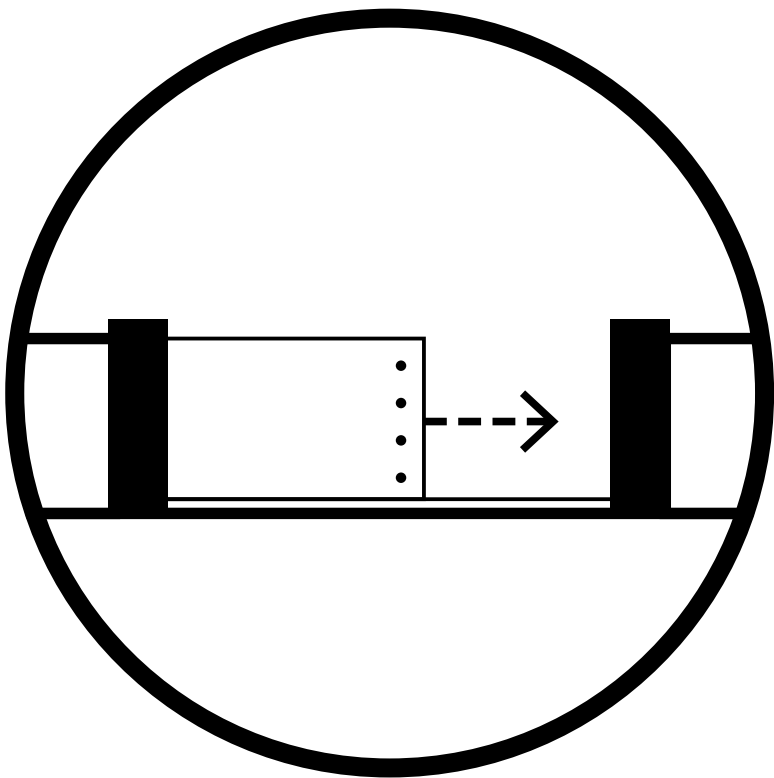
TECHNICAL DRIVERS

RESIST STRUCTURE - COVE PARK

Resist Structure design within Cove Park will include:



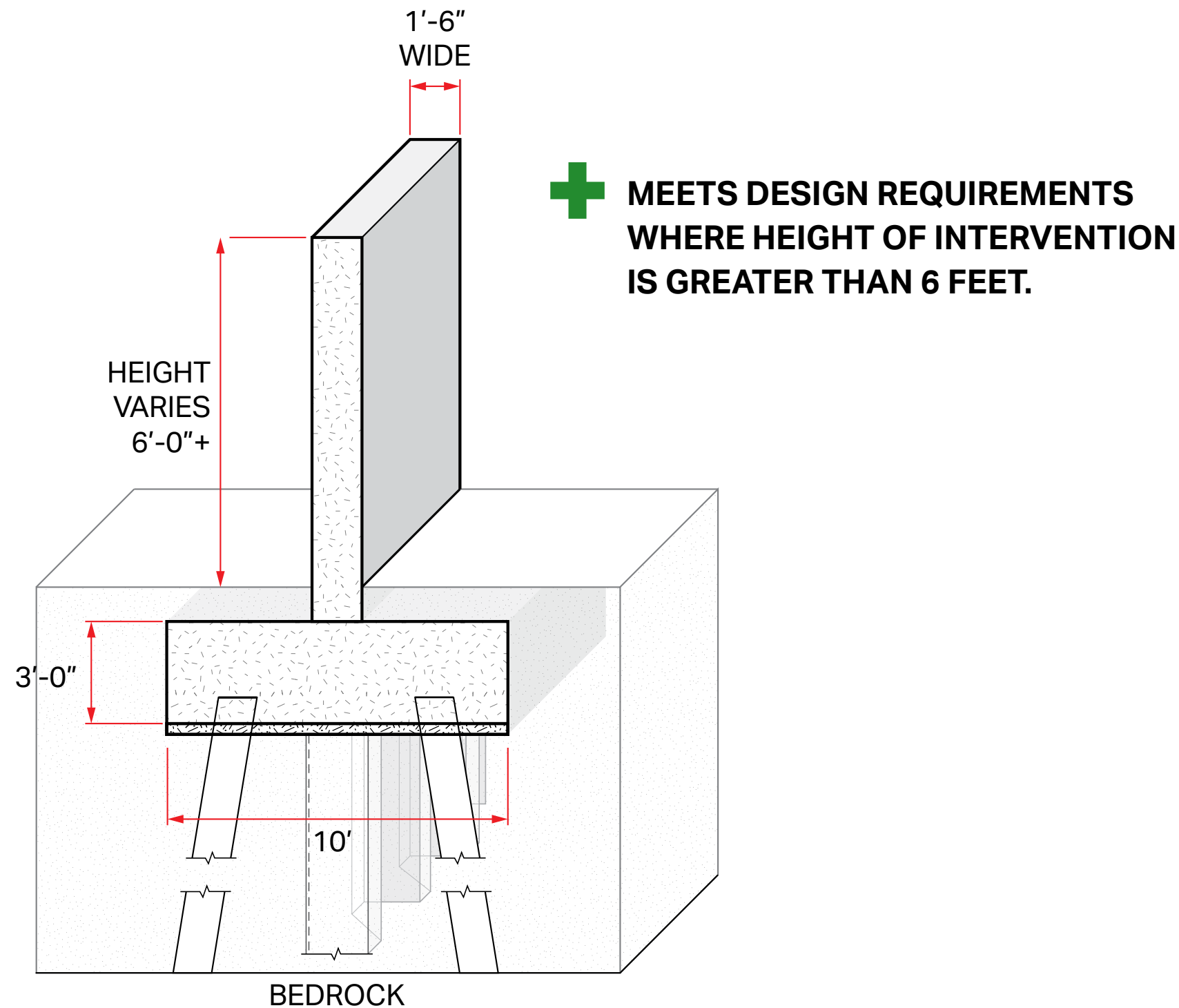
T-Resist Structure Sections



Gates

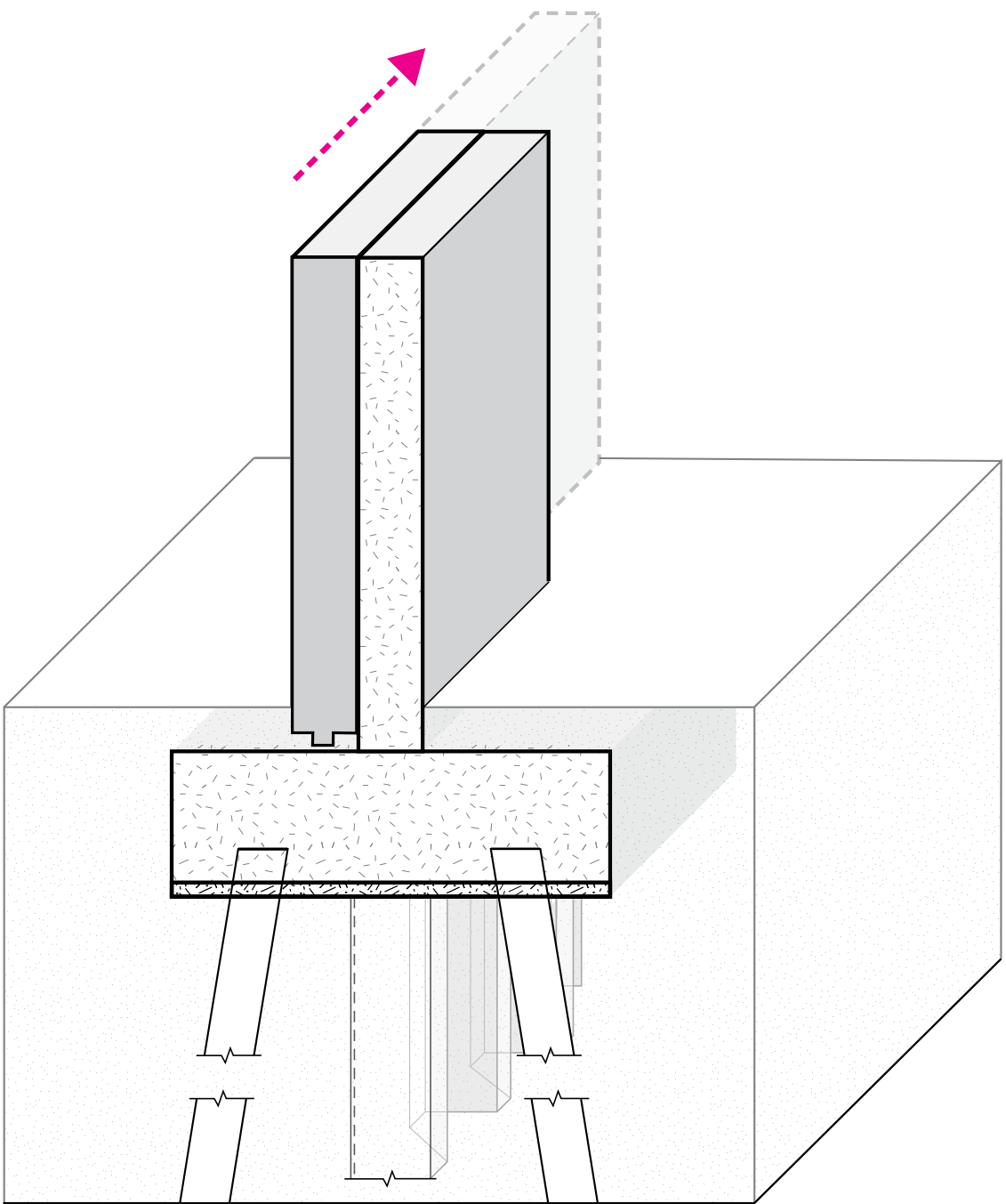
TECHNICAL DRIVERS

T-RESIST STRUCTURE SECTION (COVE PARK) & DEPLOYABLE ROLLER GATES



T-Resist Structure

T-Resist Structure is supported on a structural foundation and piles.



Roller Gate

Gates are supported on a structural foundation and piles.

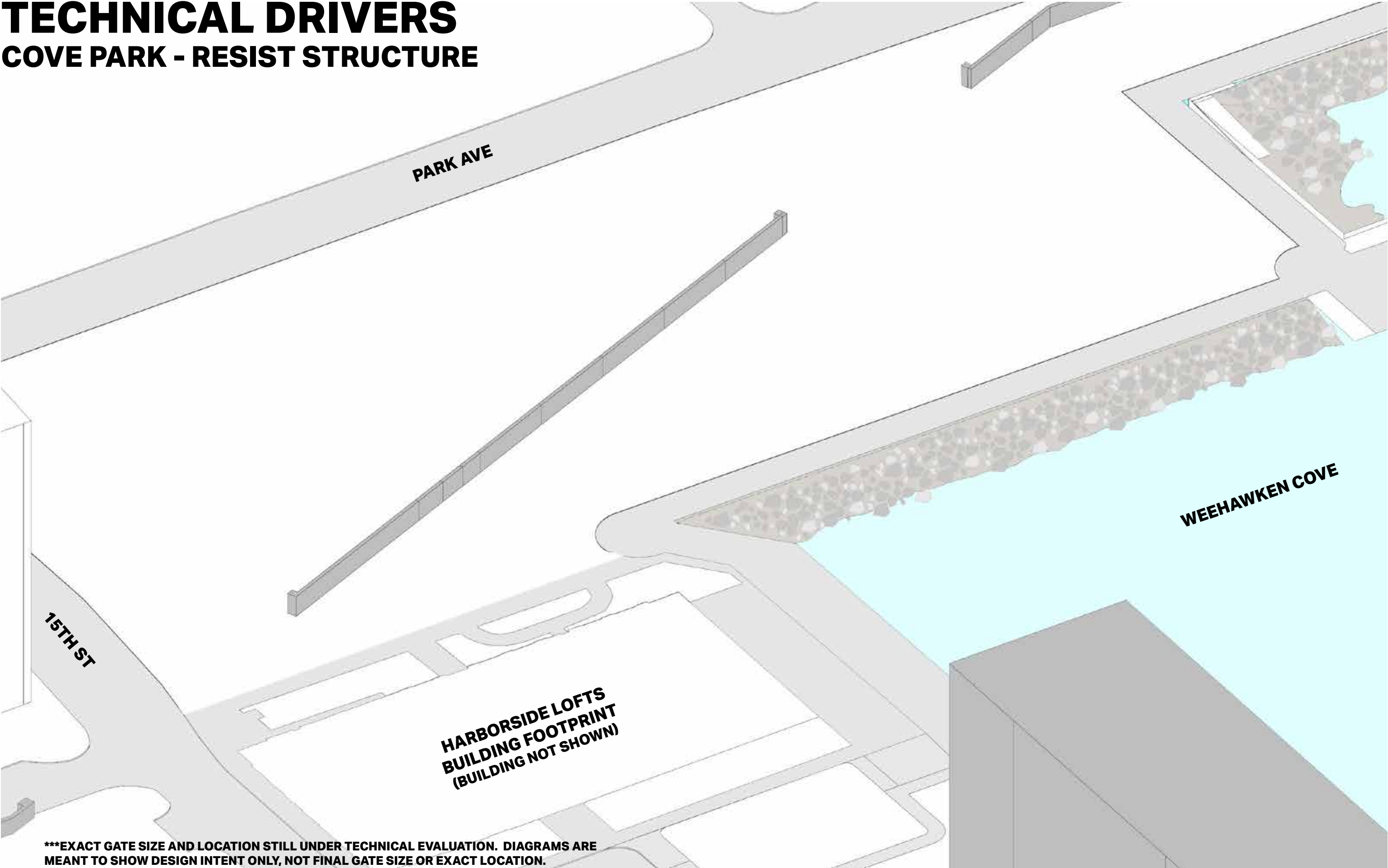
TECHNICAL DRIVERS

OVERALL NORTH RESIST ALIGNMENT



TECHNICAL DRIVERS

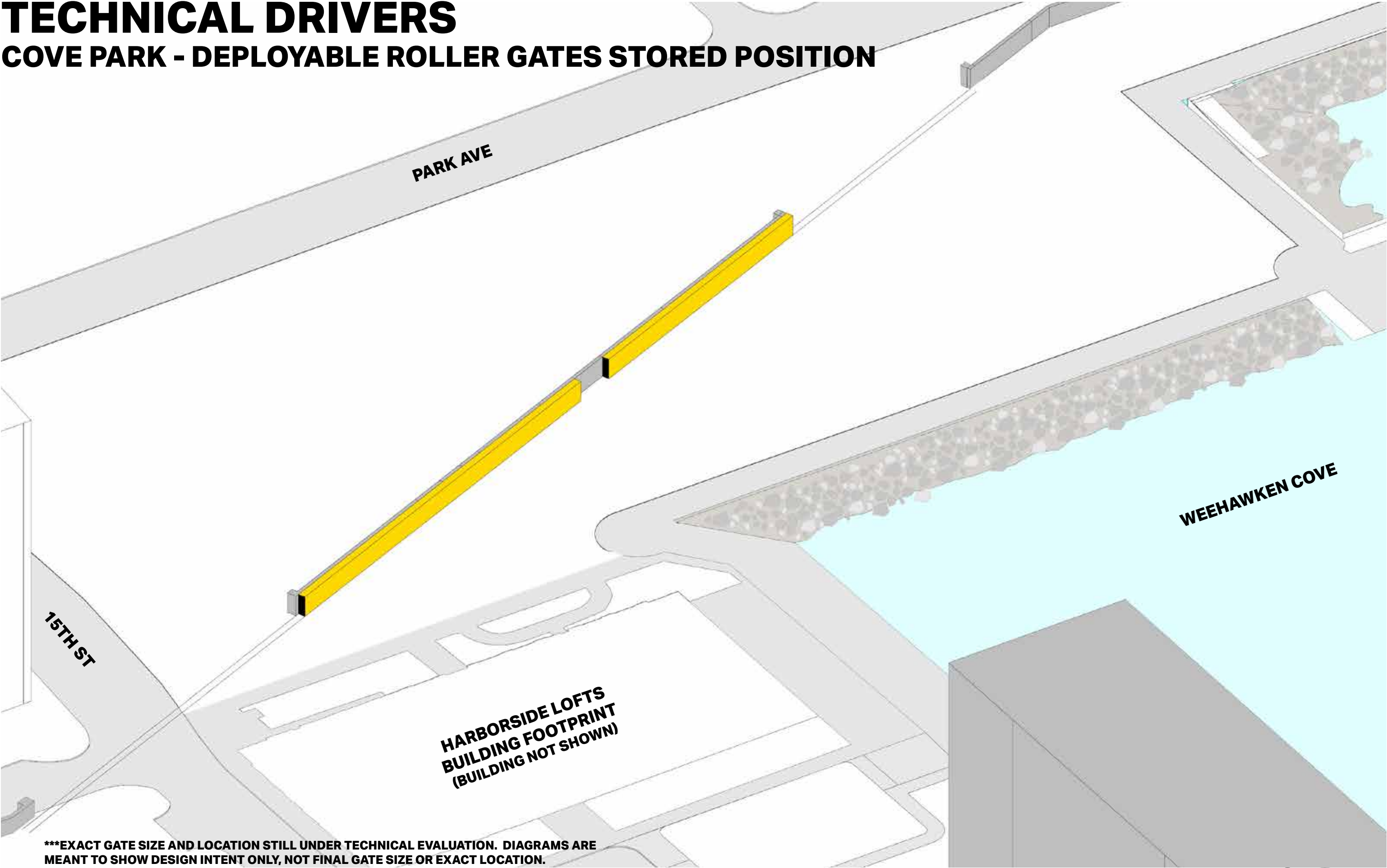
COVE PARK - RESIST STRUCTURE



***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

TECHNICAL DRIVERS

COVE PARK - DEPLOYABLE ROLLER GATES STORED POSITION

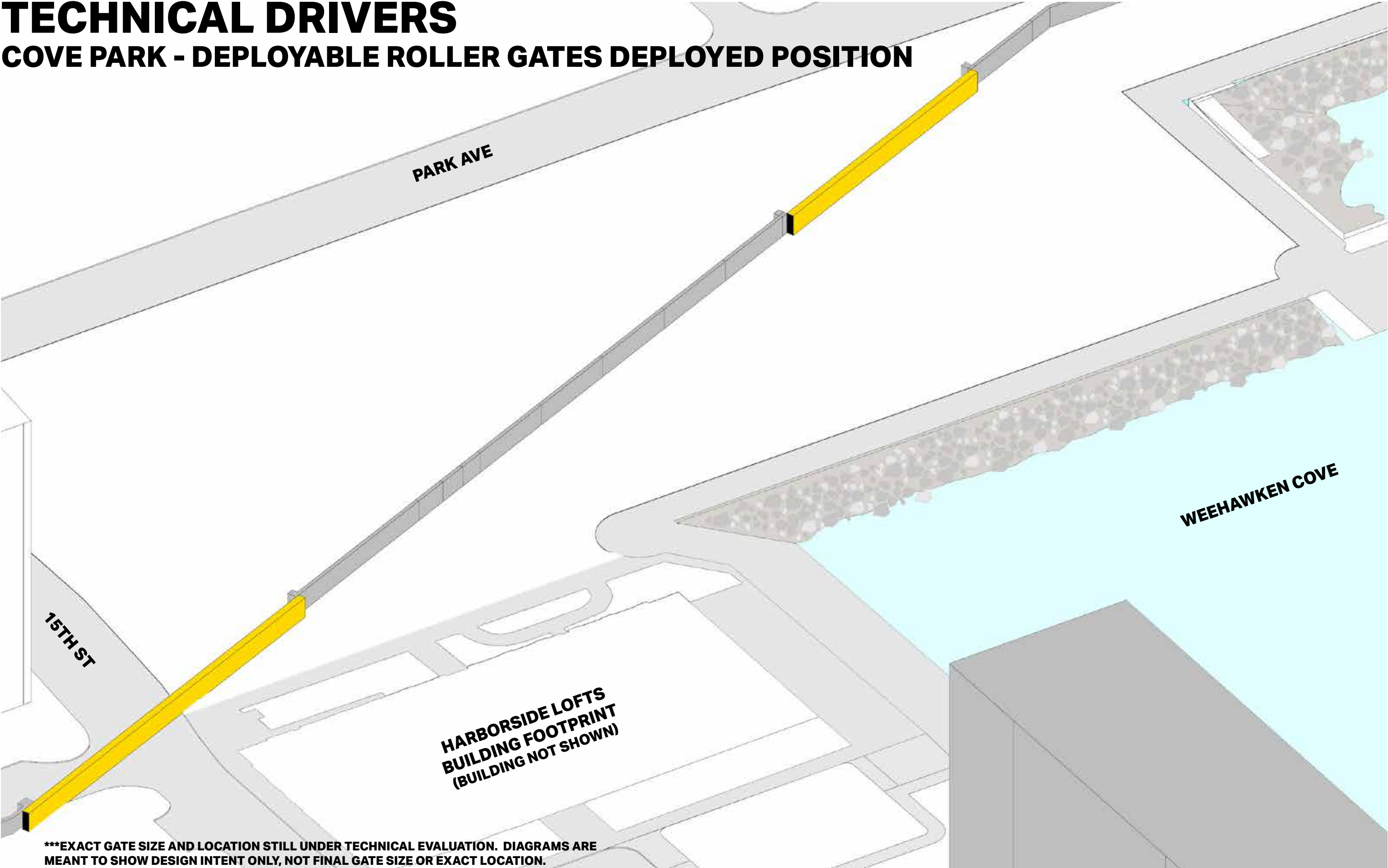


***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

DESIGN ZONE WORKSHOP ROUND 2

TECHNICAL DRIVERS

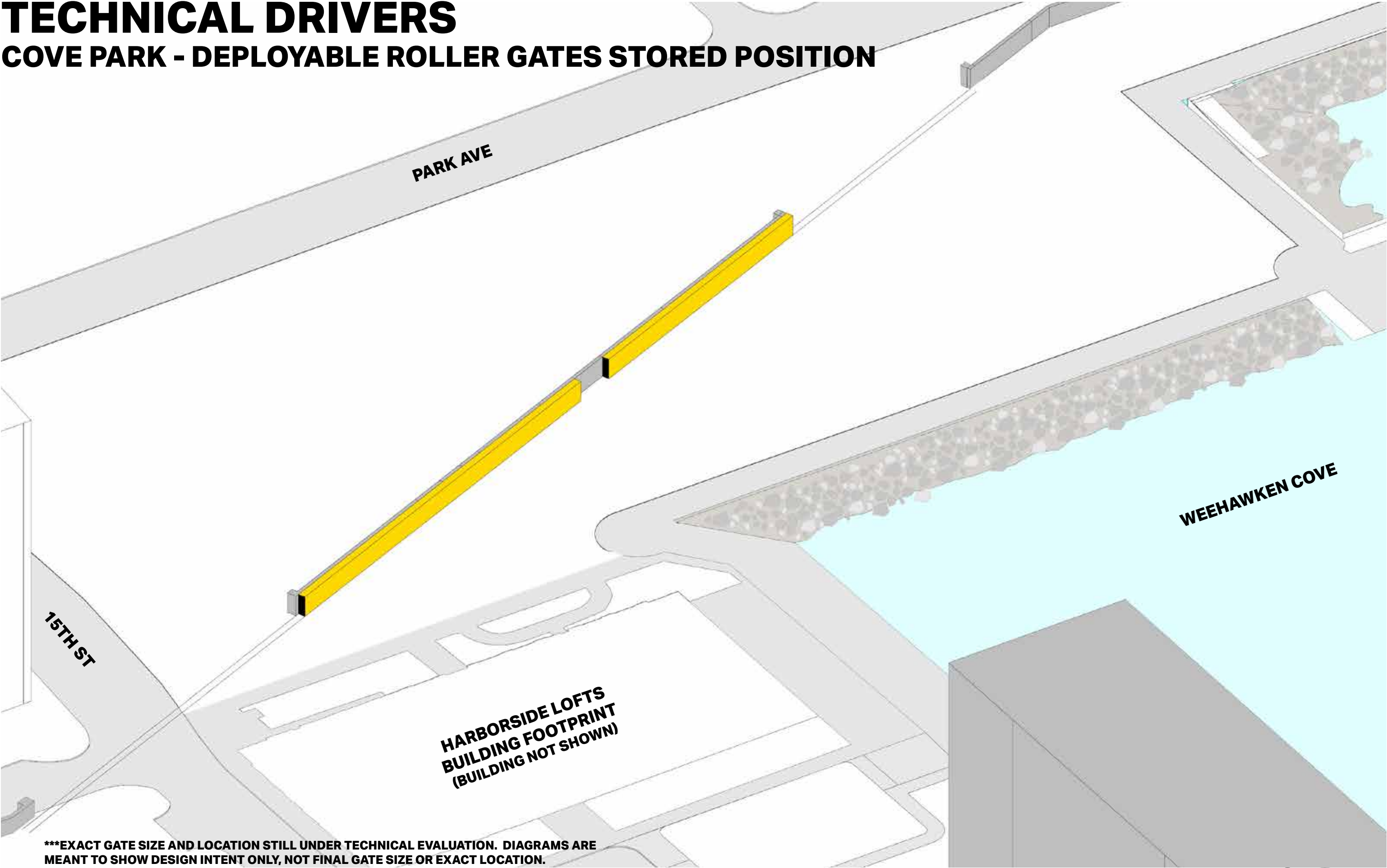
COVE PARK - DEPLOYABLE ROLLER GATES DEPLOYED POSITION



***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

TECHNICAL DRIVERS

COVE PARK - DEPLOYABLE ROLLER GATES STORED POSITION

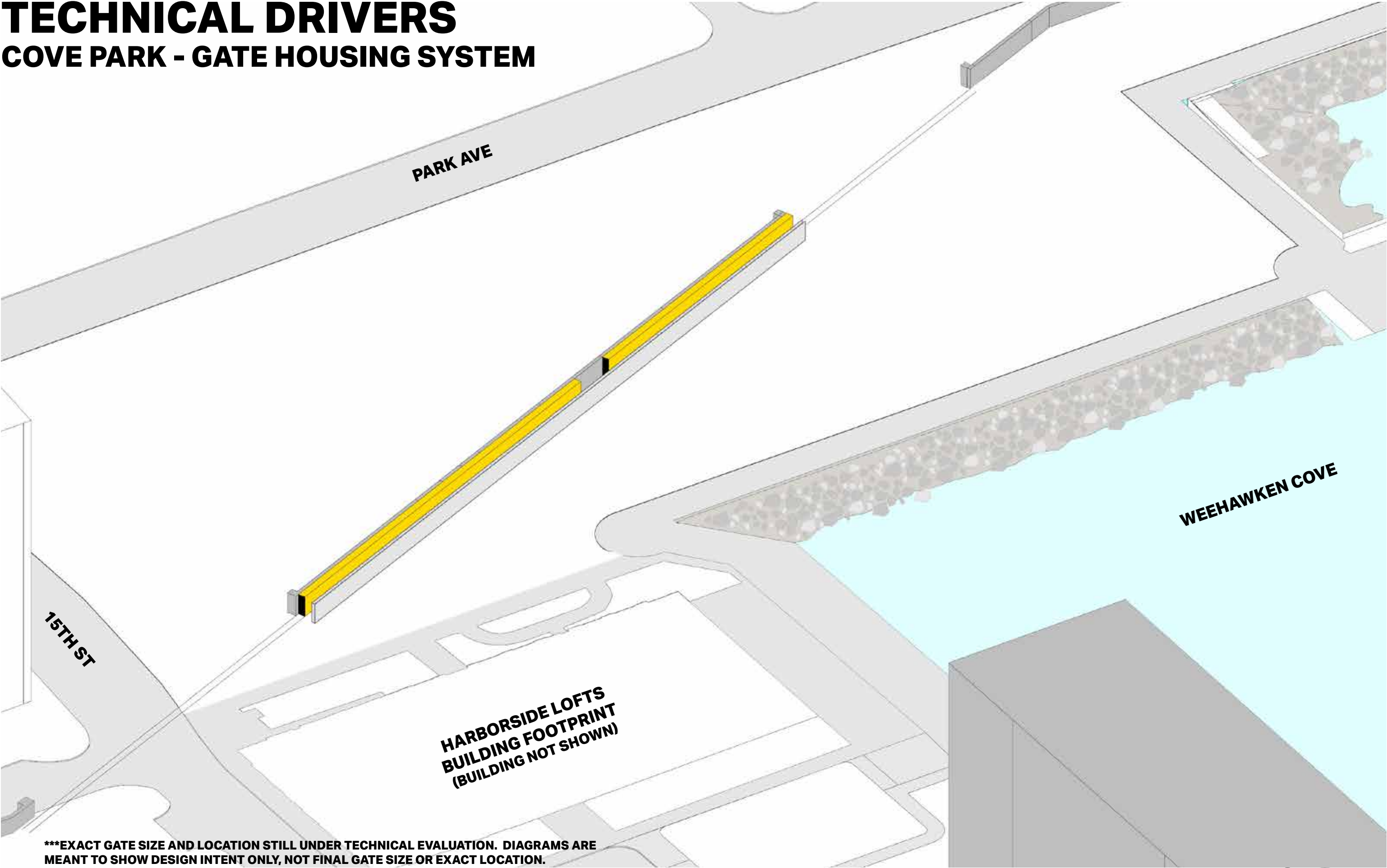


***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

DESIGN ZONE WORKSHOP ROUND 2

TECHNICAL DRIVERS

COVE PARK - GATE HOUSING SYSTEM



***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

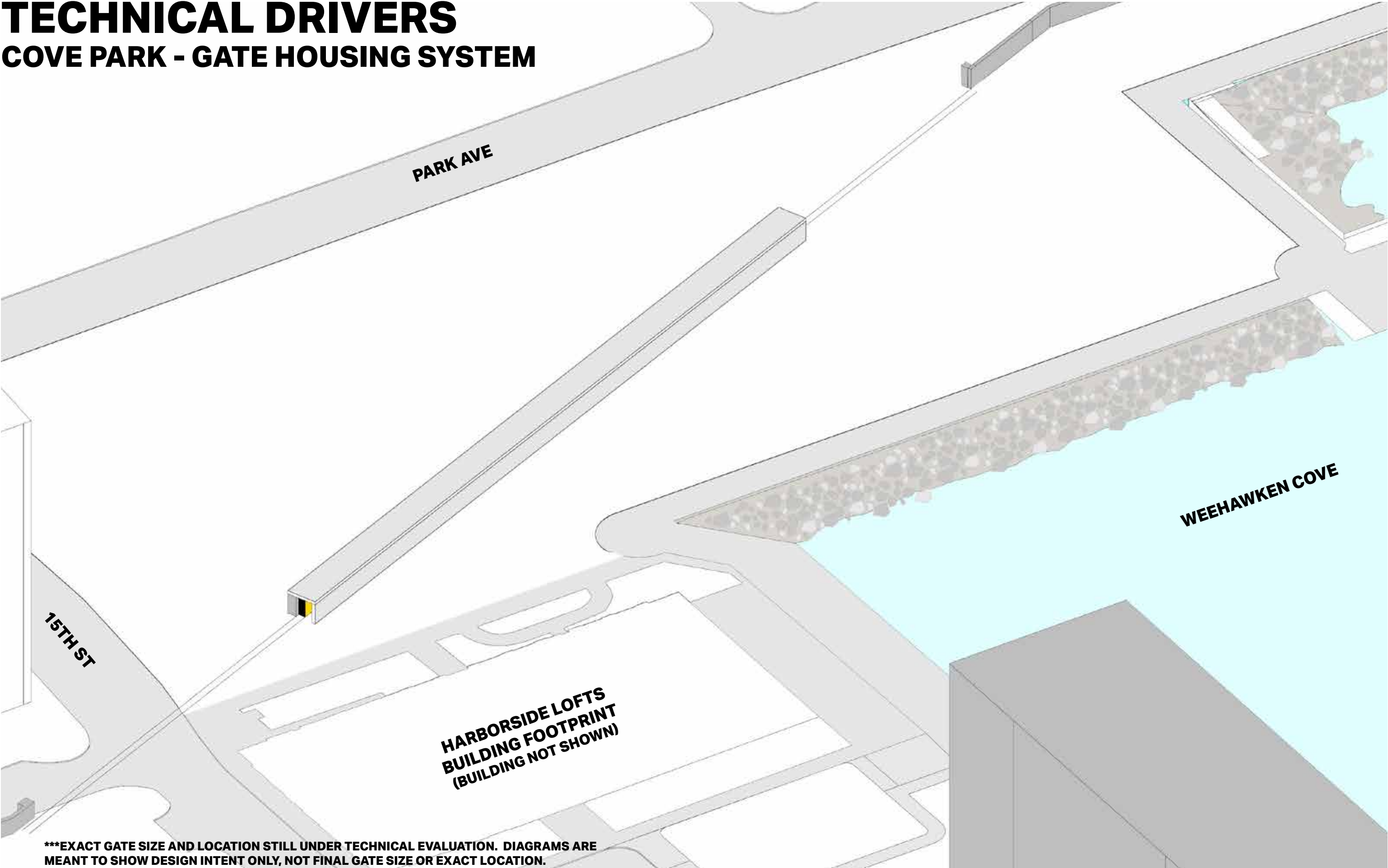
DESIGN ZONE WORKSHOP ROUND 2



AECOM

TECHNICAL DRIVERS

COVE PARK - GATE HOUSING SYSTEM

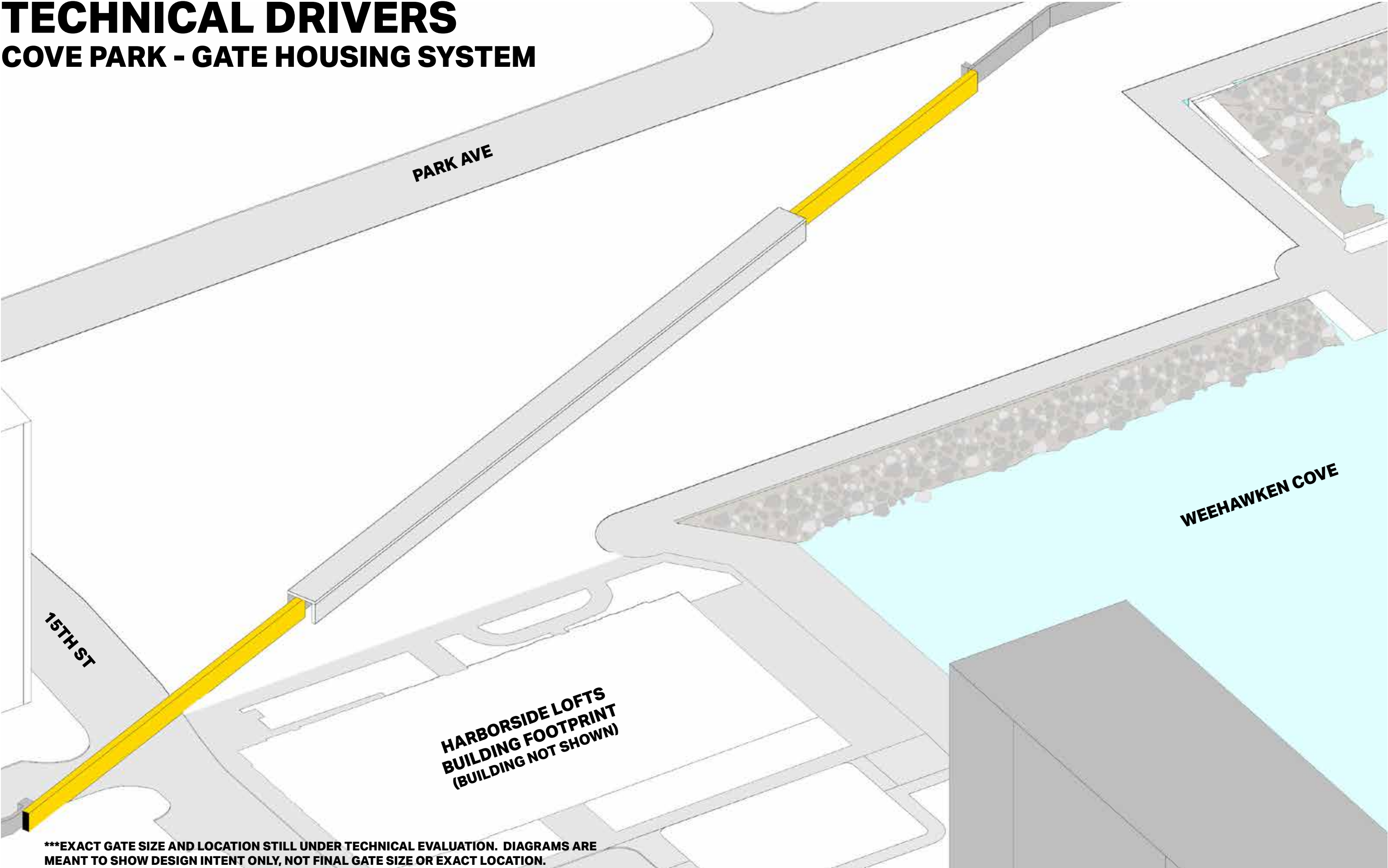


***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

DESIGN ZONE WORKSHOP ROUND 2

TECHNICAL DRIVERS

COVE PARK - GATE HOUSING SYSTEM

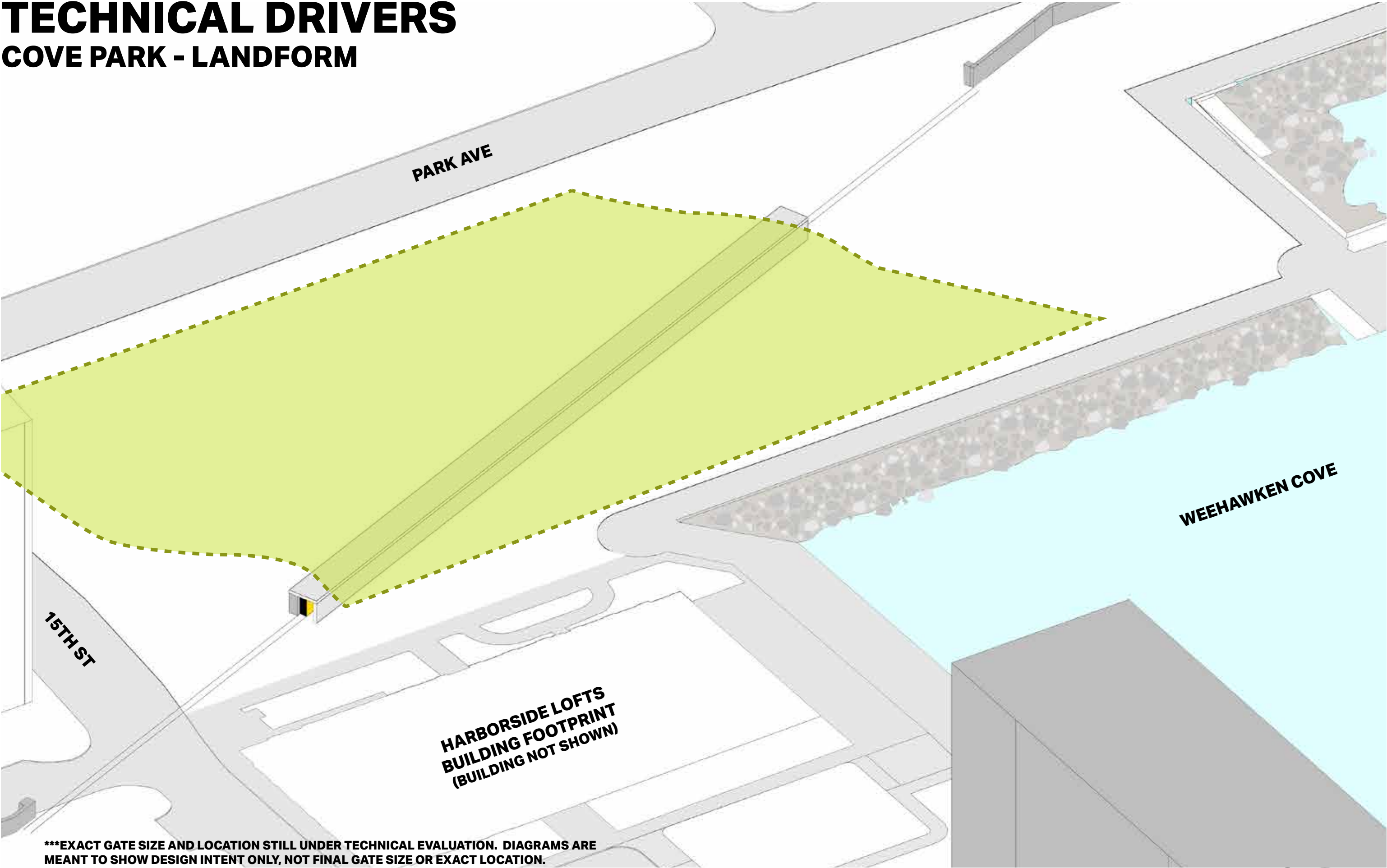


***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

DESIGN ZONE WORKSHOP ROUND 2

TECHNICAL DRIVERS

COVE PARK - LANDFORM

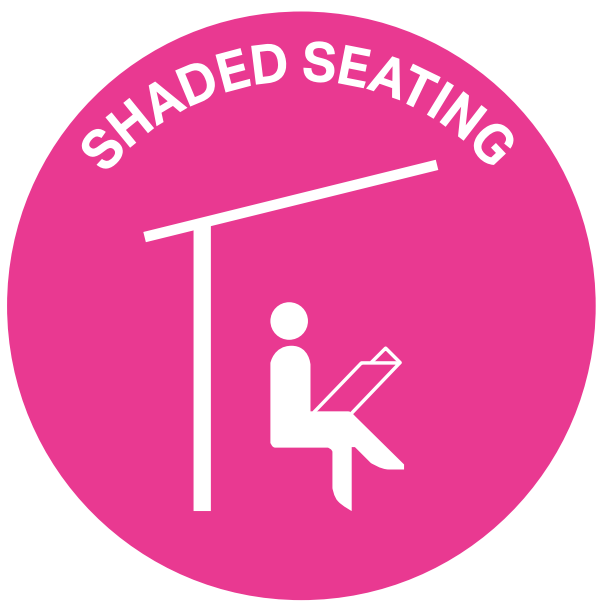
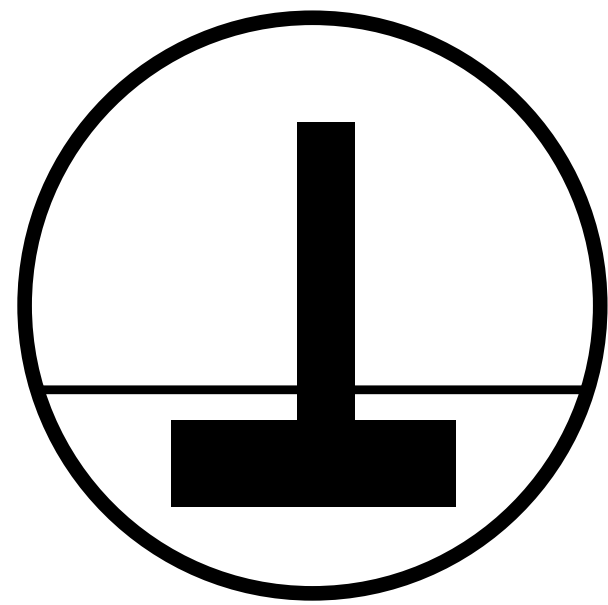
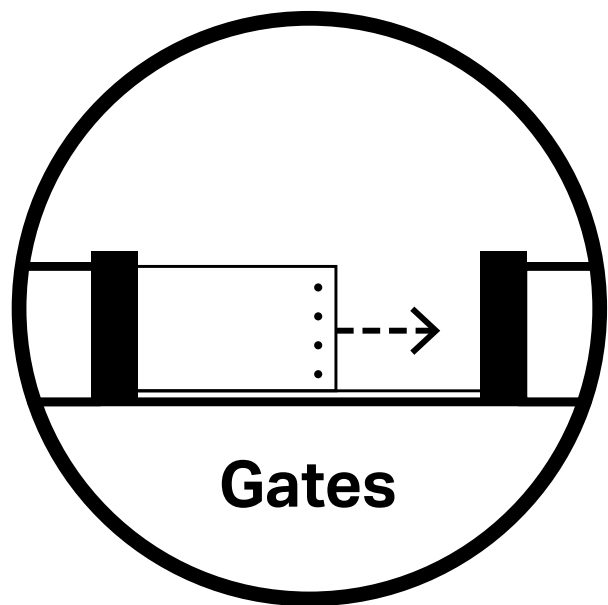


***EXACT GATE SIZE AND LOCATION STILL UNDER TECHNICAL EVALUATION. DIAGRAMS ARE MEANT TO SHOW DESIGN INTENT ONLY, NOT FINAL GATE SIZE OR EXACT LOCATION.

DESIGN ZONE WORKSHOP ROUND 2

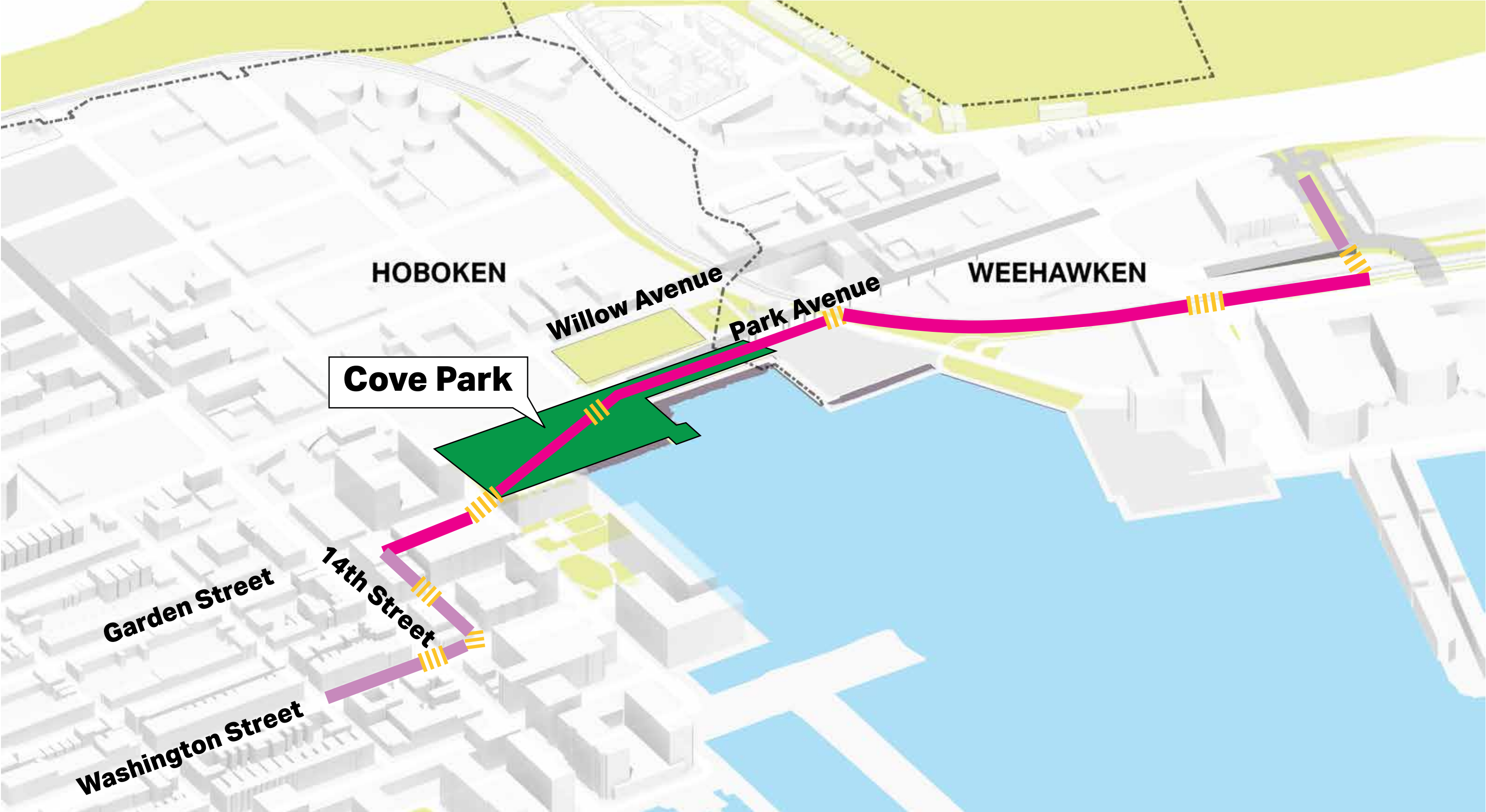
COVE PARK

TECHNICAL DRIVERS + COMMUNITY INPUT DRIVING DESIGN



DESIGN CONCEPTS

COVE PARK PROJECT AREA





COVE PARK

THREE DESIGN CONCEPTS

THE BLOOM

DESIGN ZONE WORKSHOP ROUND 2



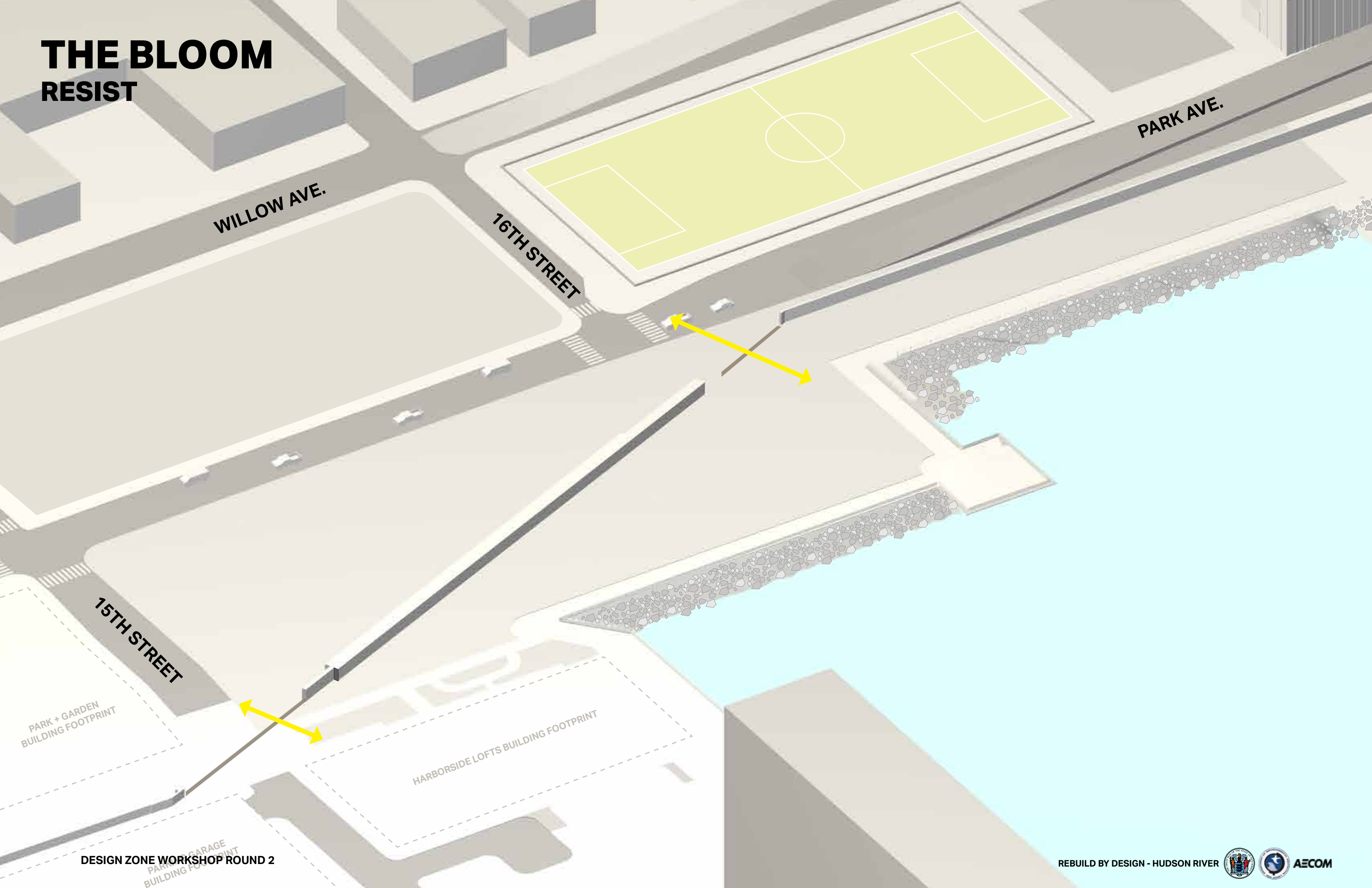
THE MEADOW



THE RIDGE

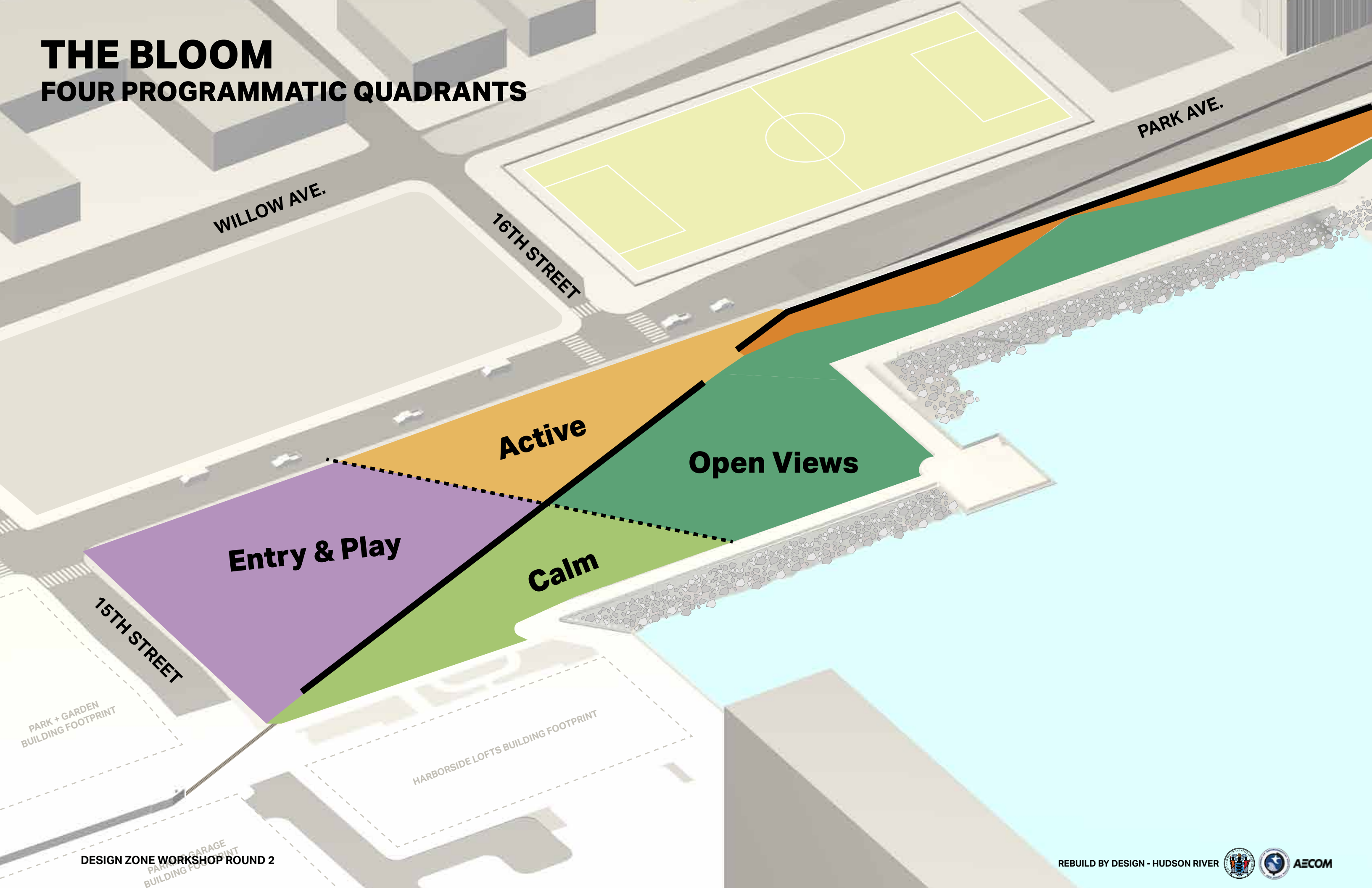
THE BLOOM

THE BLOOM RESIST



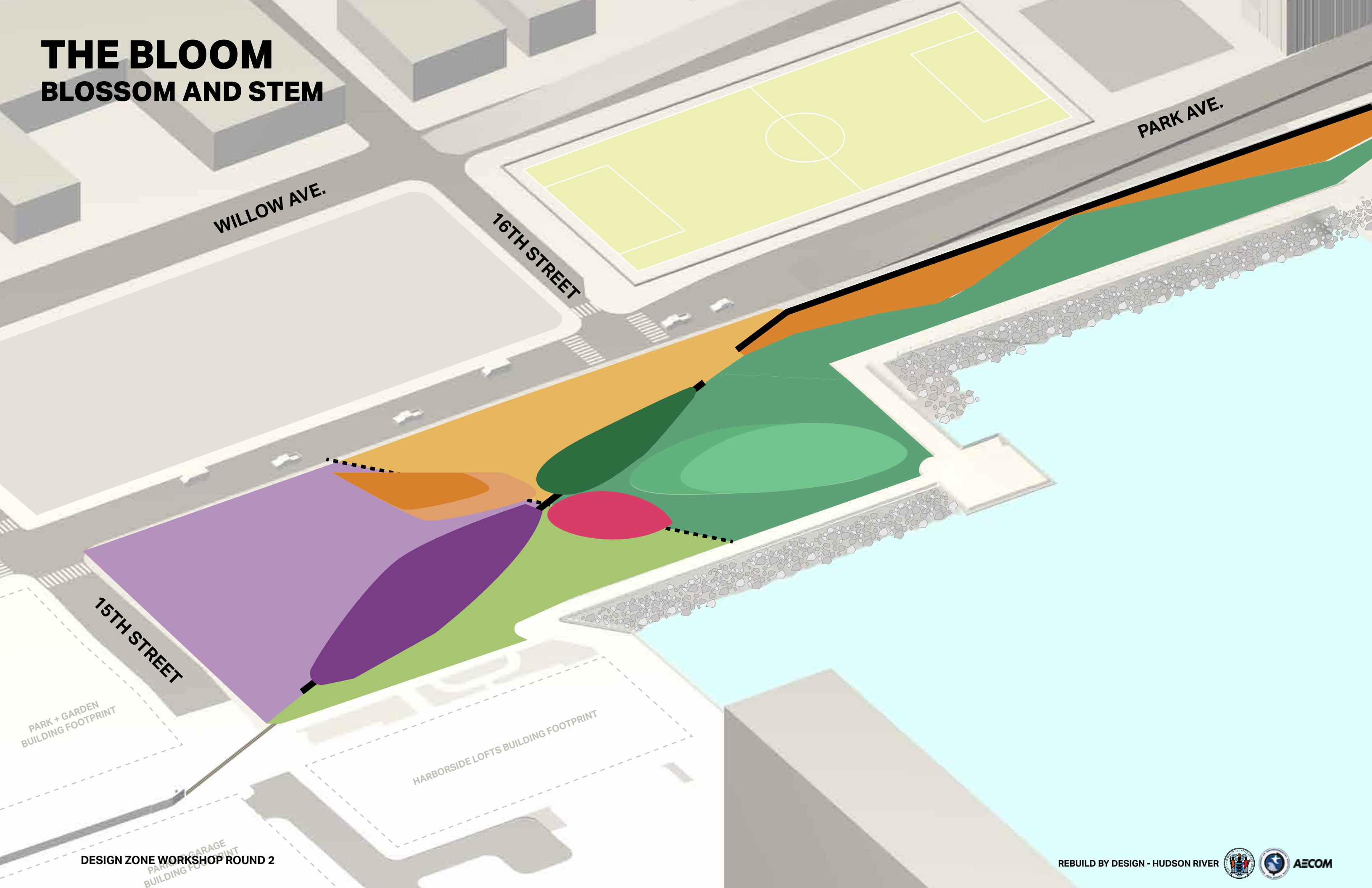
THE BLOOM

FOUR PROGRAMMATIC QUADRANTS



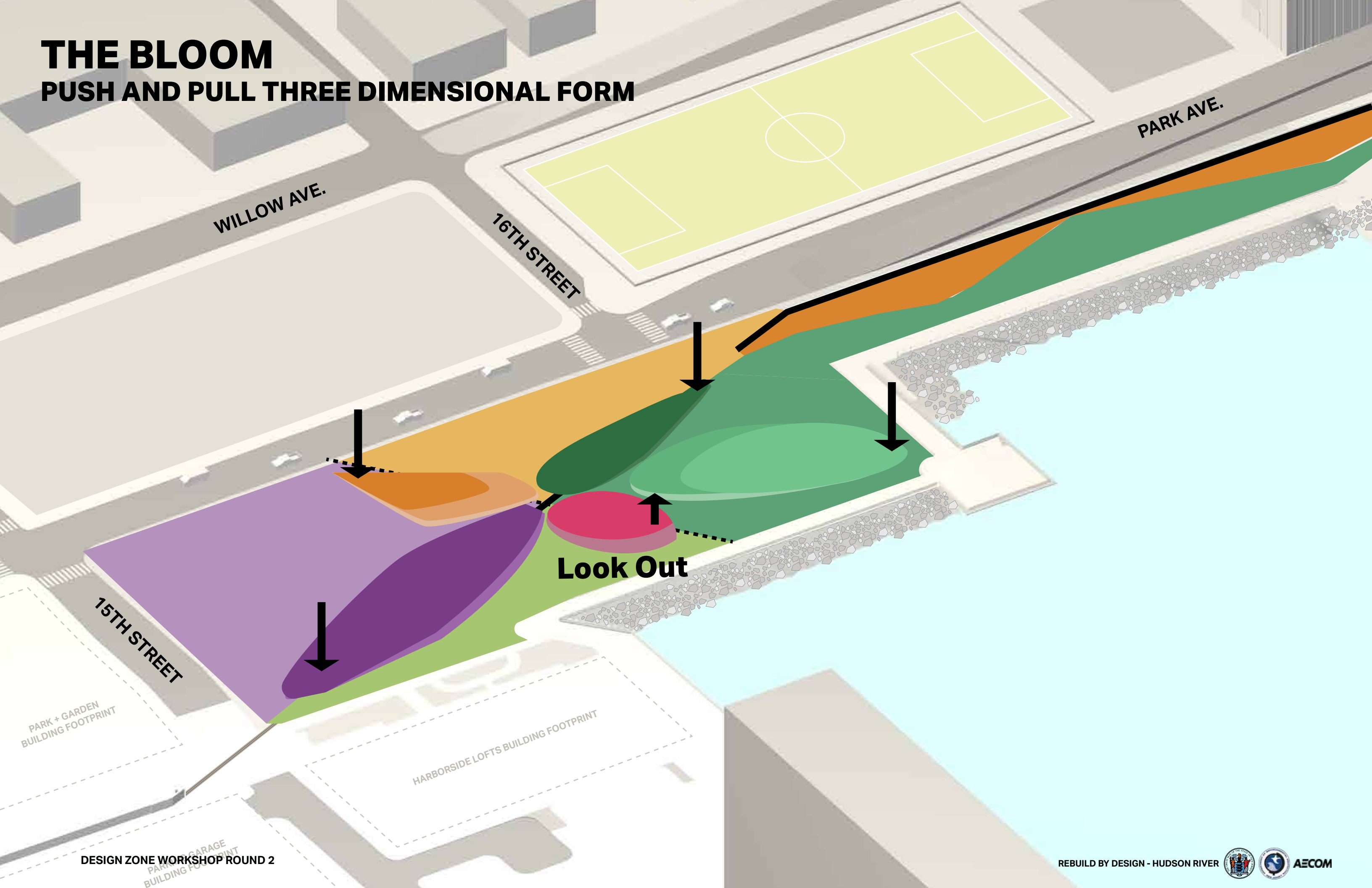
THE BLOOM

BLOSSOM AND STEM



THE BLOOM

PUSH AND PULL THREE DIMENSIONAL FORM



WILLOW AVE.

PARK AVE.

16TH STREET

15TH STREET

PARK + GARDEN
BUILDING FOOTPRINT

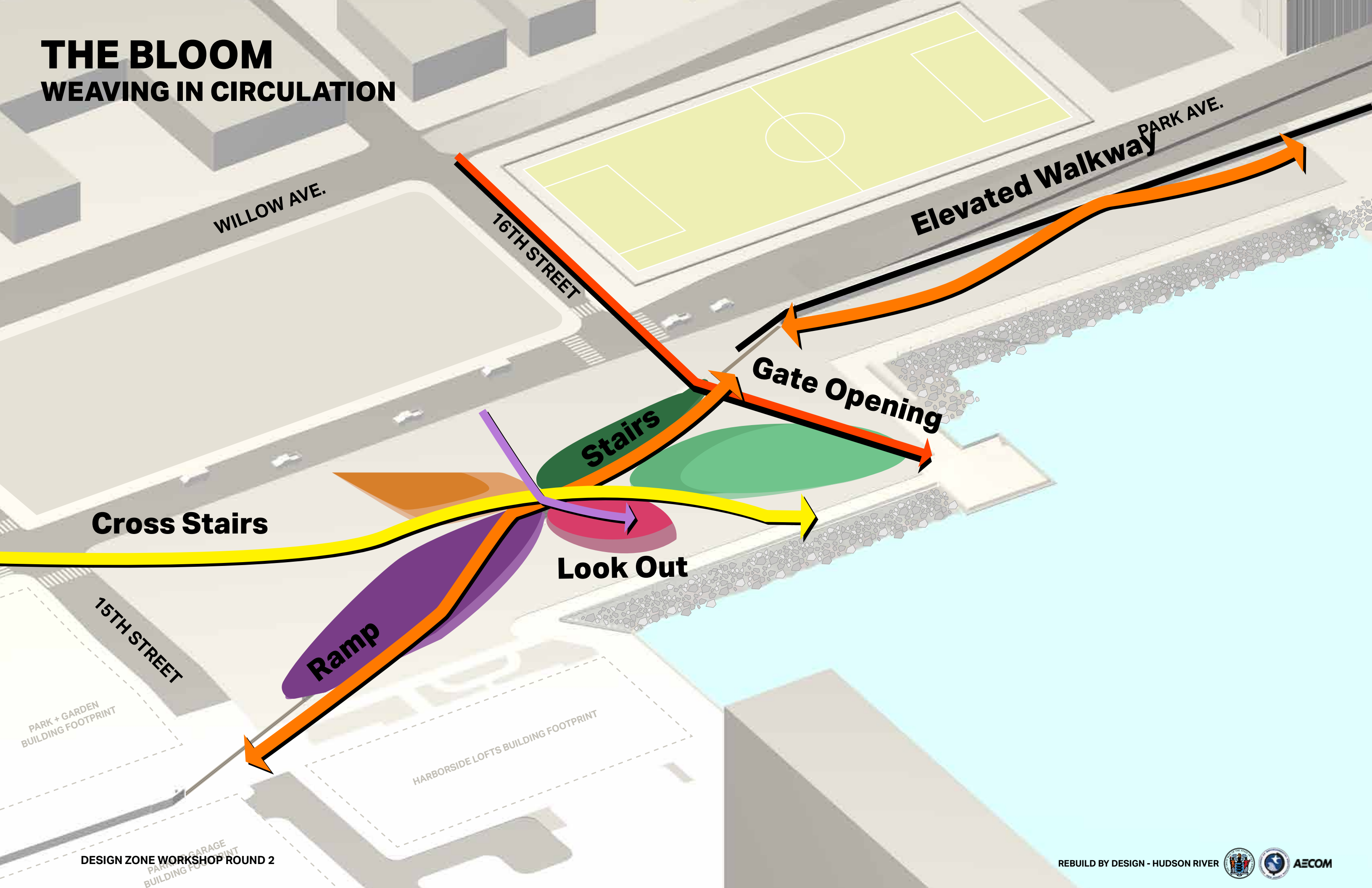
Look Out

HARBORSIDE LOFTS BUILDING FOOTPRINT



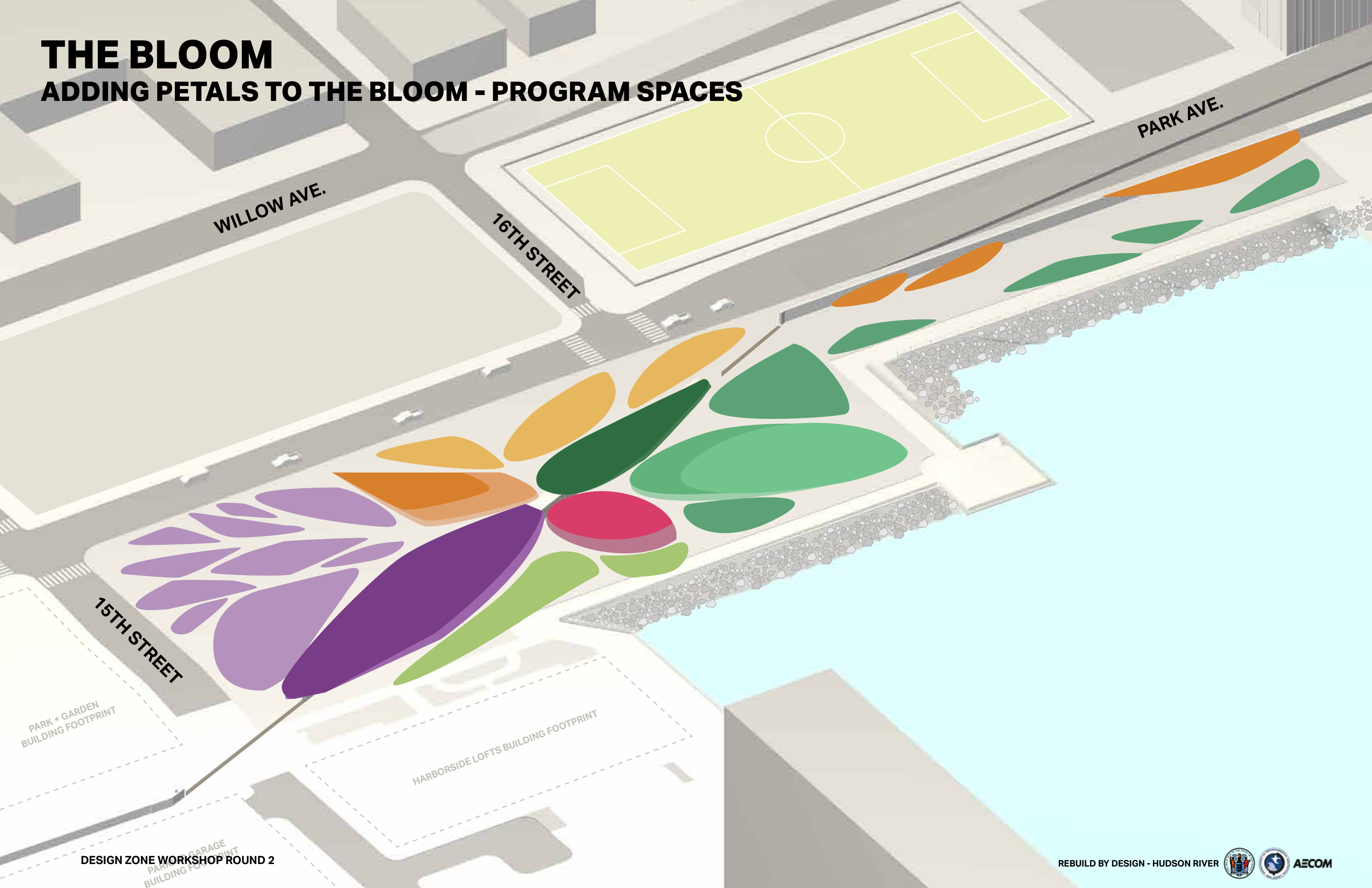
THE BLOOM

WEAVING IN CIRCULATION

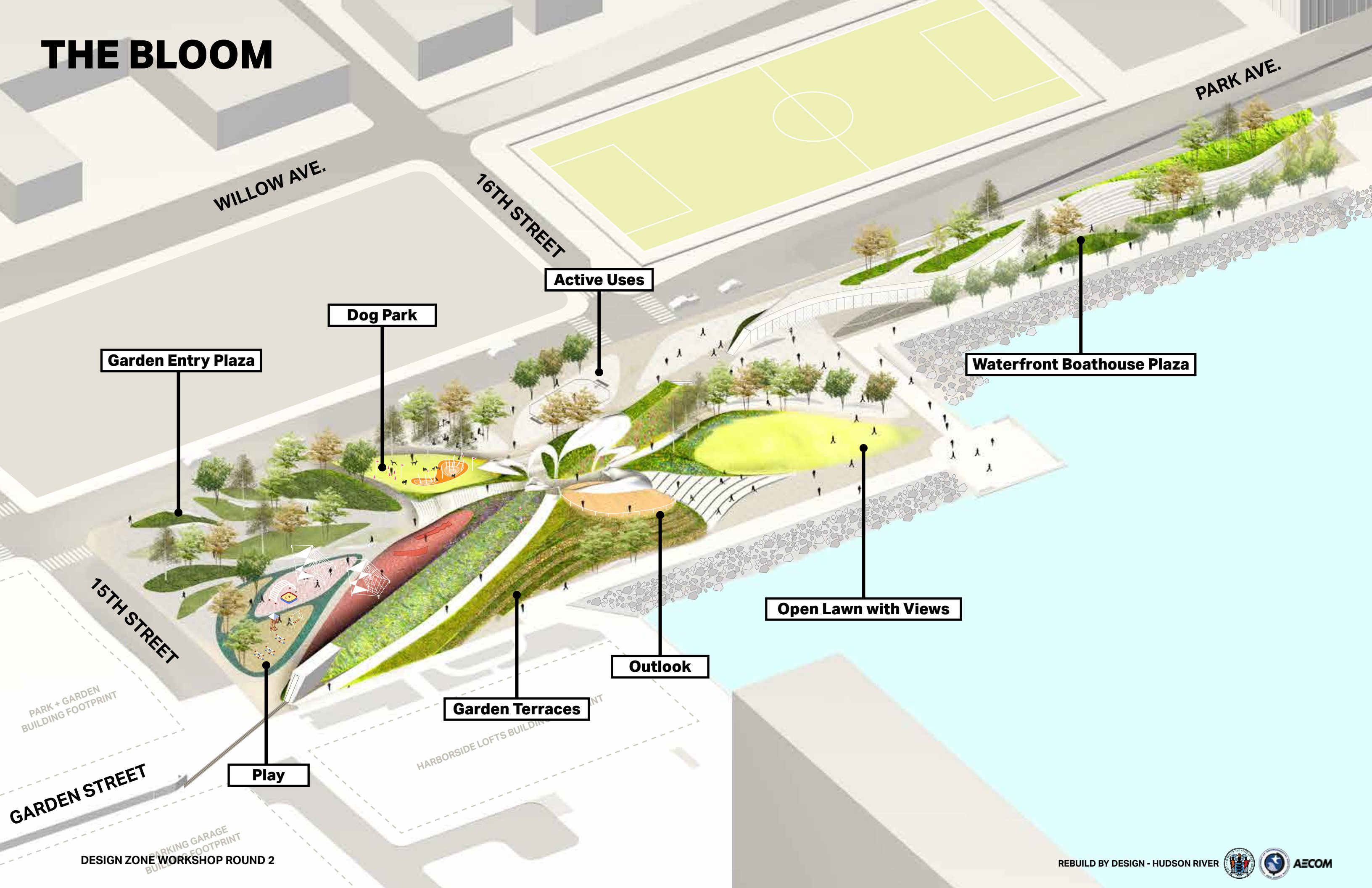


THE BLOOM

ADDING PETALS TO THE BLOOM - PROGRAM SPACES



THE BLOOM



WILLOW AVE.

16TH STREET

PARK AVE.

Active Uses

Dog Park

Garden Entry Plaza

Waterfront Boathouse Plaza

15TH STREET

Open Lawn with Views

Outlook

Garden Terraces

Play

PARK + GARDEN
BUILDING FOOTPRINT

GARDEN STREET

HARBORSIDE LOFTS BUILDING
FOOTPRINT

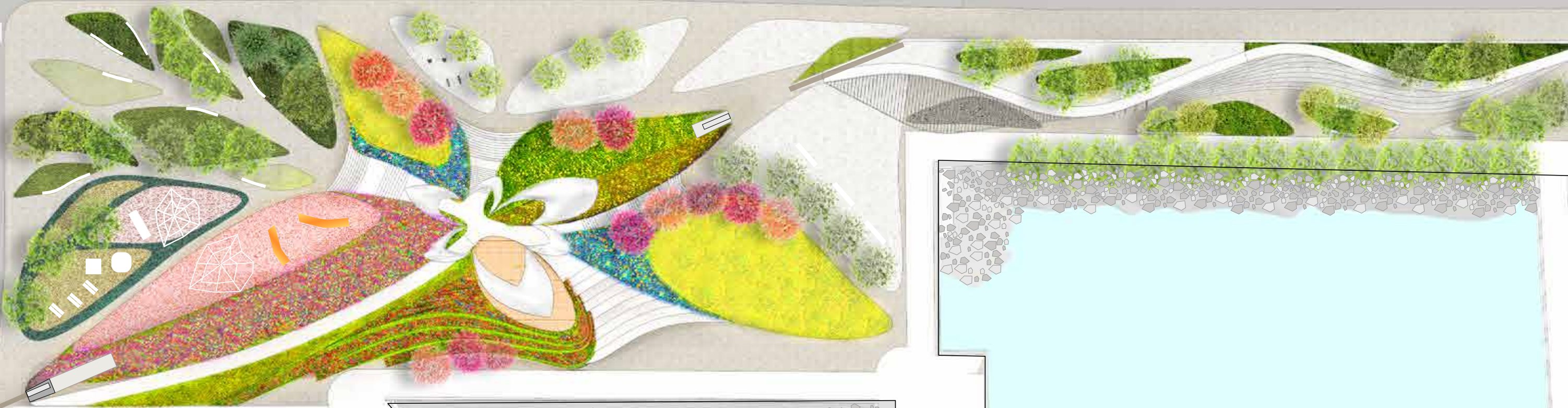


THE BLOOM

15TH STREET

16TH STREET

PARK AVE.



THE BLOOM

15TH STREET

16TH STREET

PARK AVE.





Dog Park.

**Blossom feature
shade canopy.**

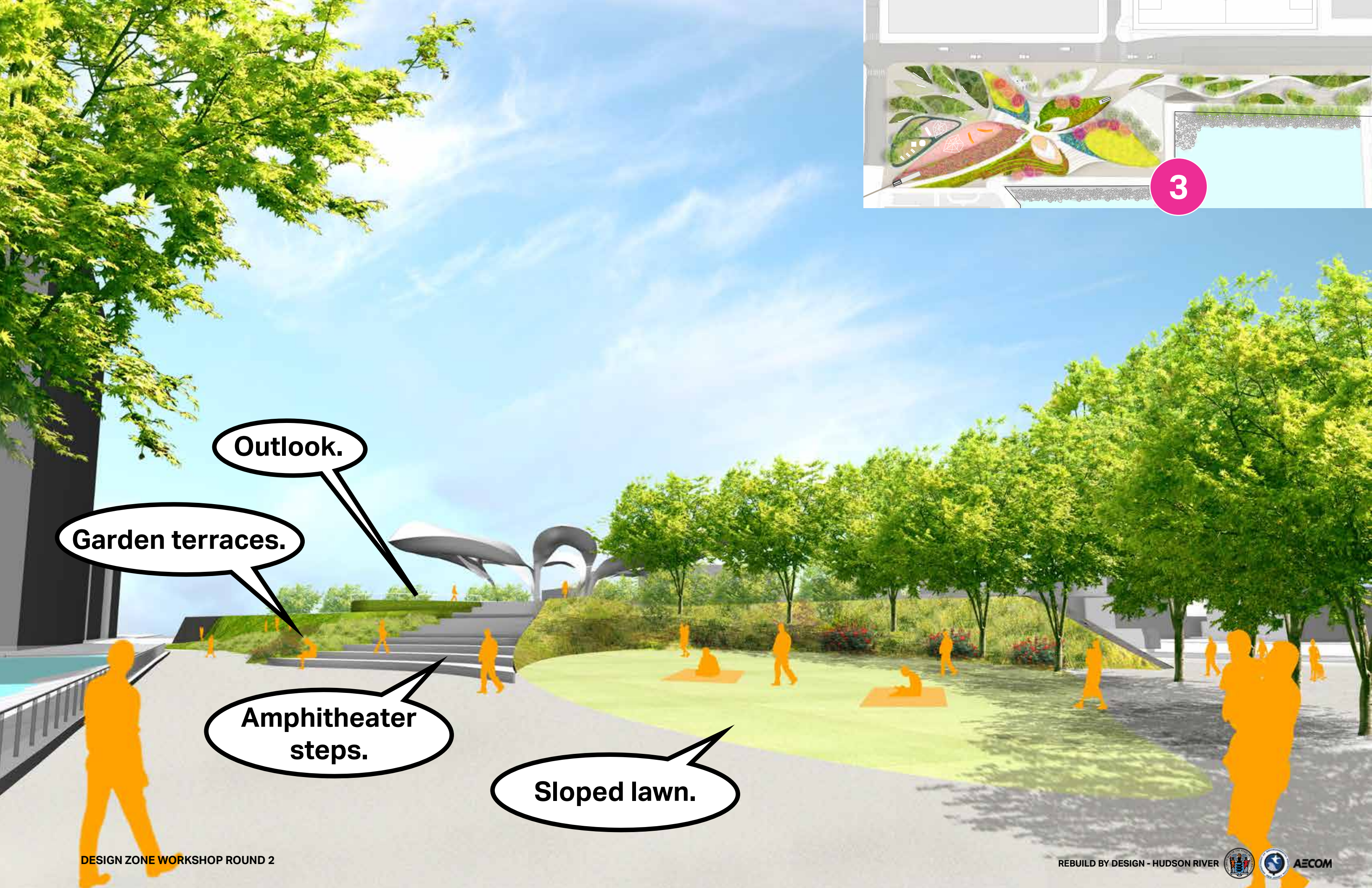
Entry garden plaza.



Accessible path to outlook.

Garden terraces.

Outlook.



Outlook.

Garden terraces.

Amphitheater
steps.

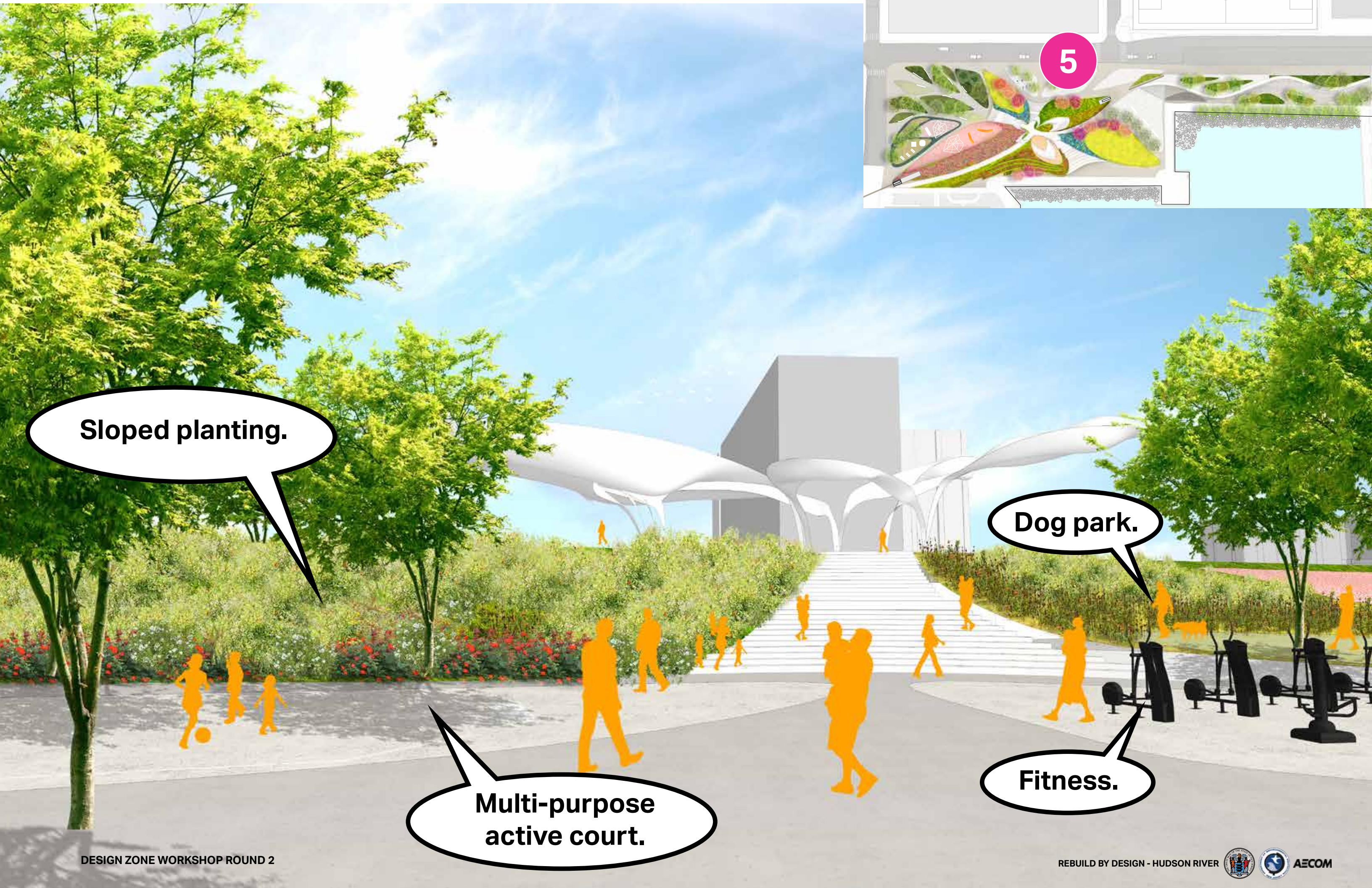
Sloped lawn.

**Blossom feature
shade canopy.**



Outlook.

Skyline views!

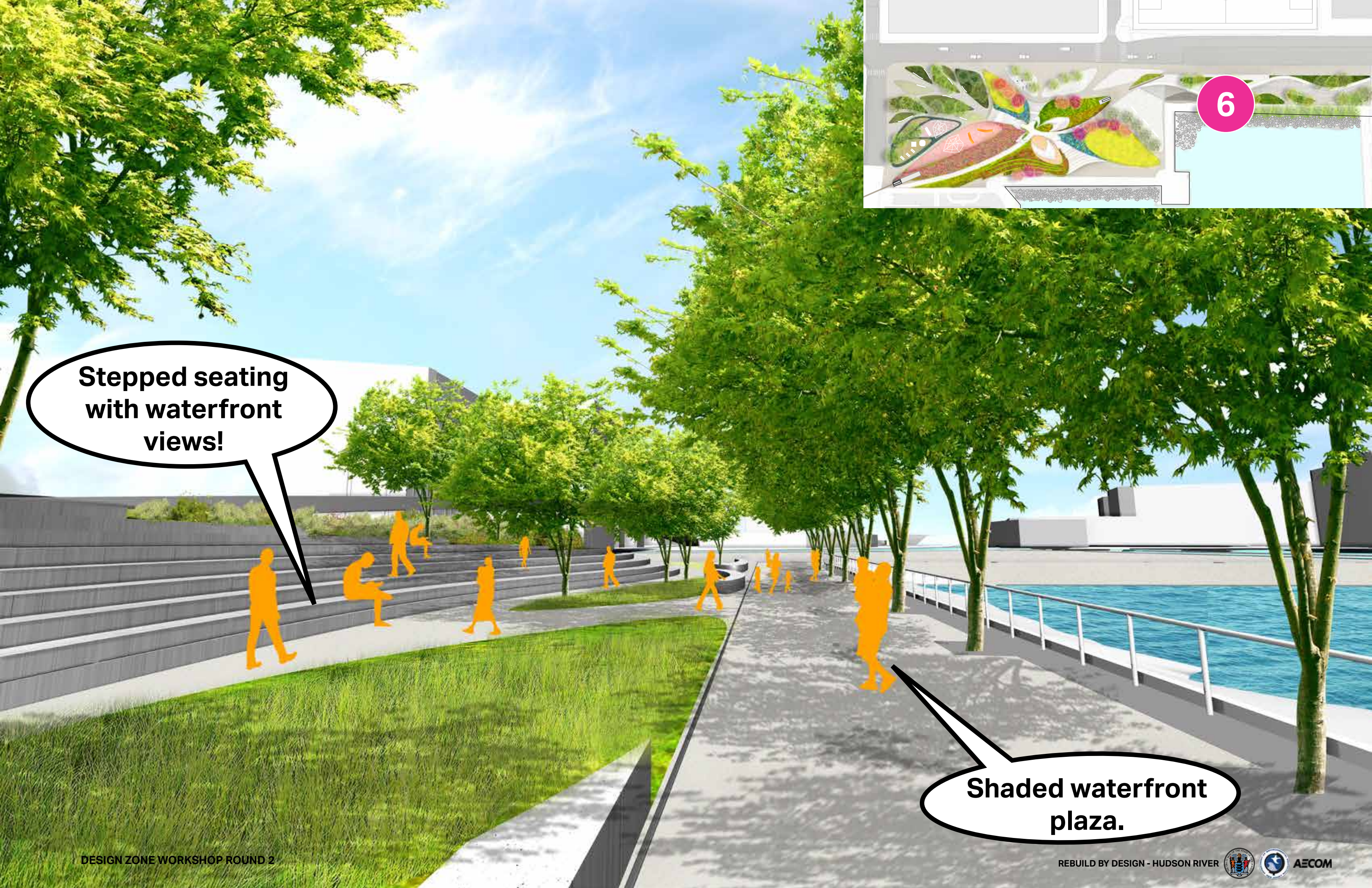


Sloped planting.

Dog park.

Fitness.

**Multi-purpose
active court.**

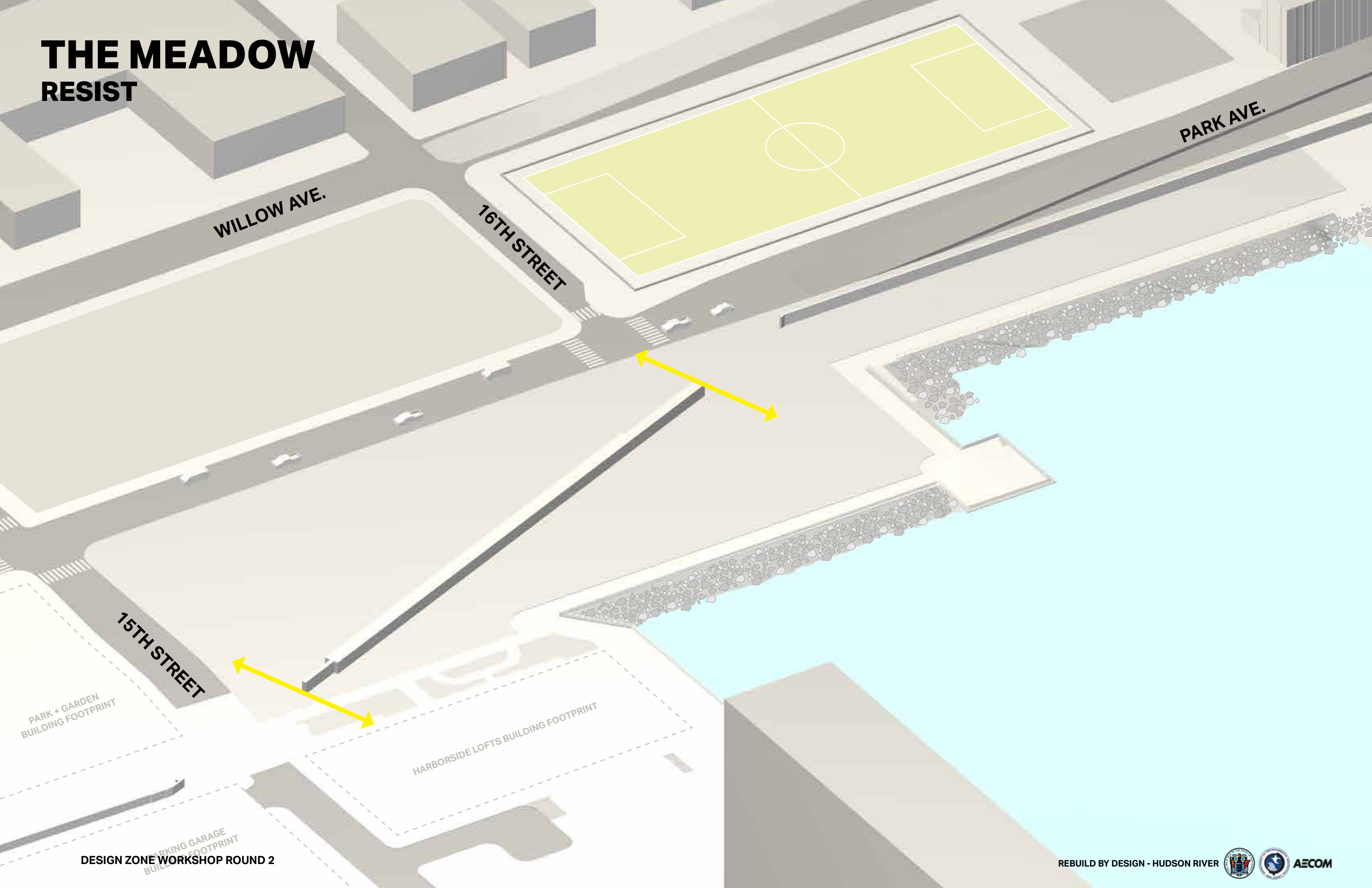


**Stepped seating
with waterfront
views!**

**Shaded waterfront
plaza.**

THE MEADOW

THE MEADOW RESIST



WILLOW AVE.

16TH STREET

PARK AVE.

15TH STREET

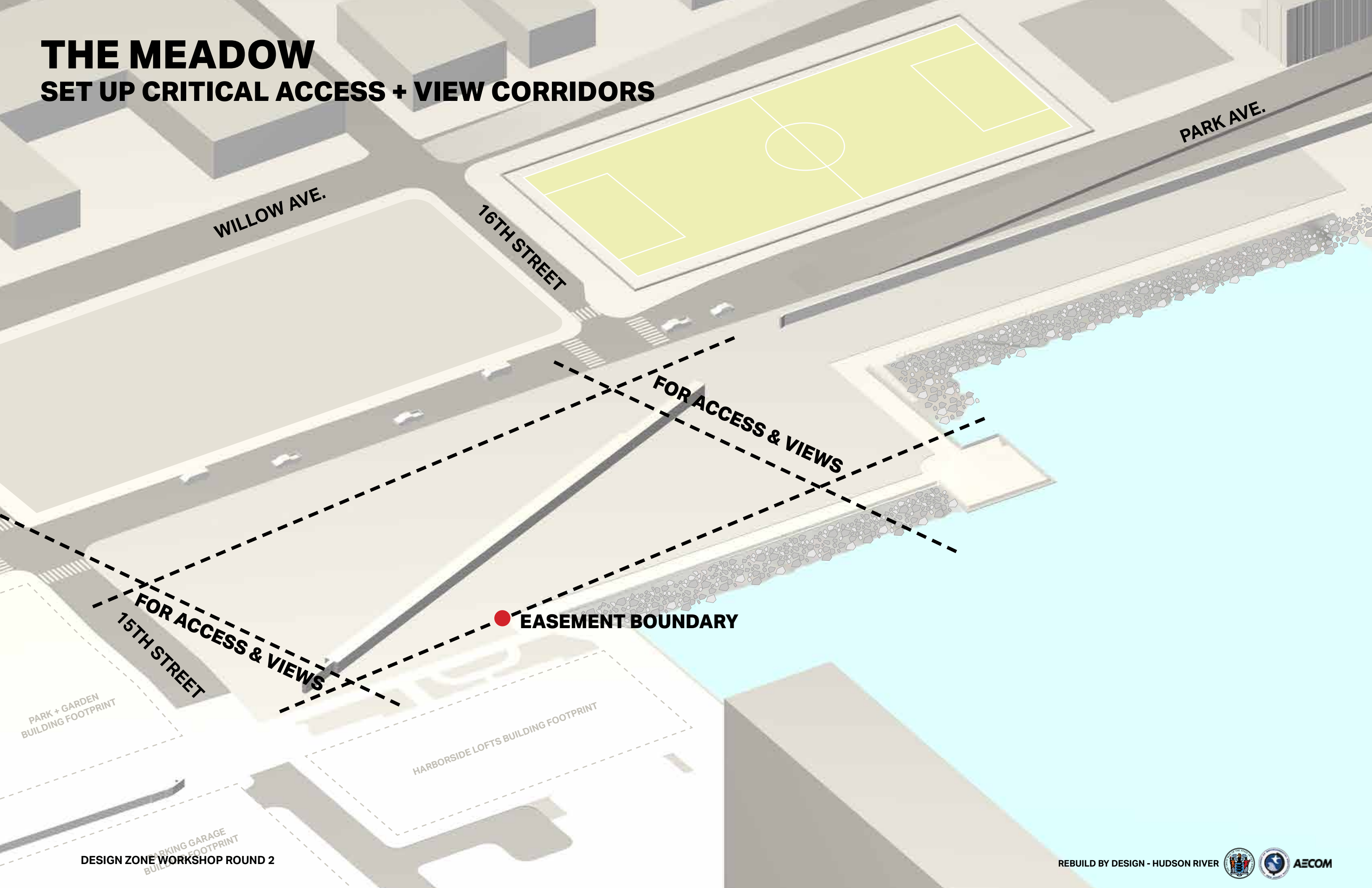
PARK + GARDEN
BUILDING FOOTPRINT

HARBORSIDE LOFTS BUILDING FOOTPRINT

DESIGN ZONE WORKSHOP ROUND 2

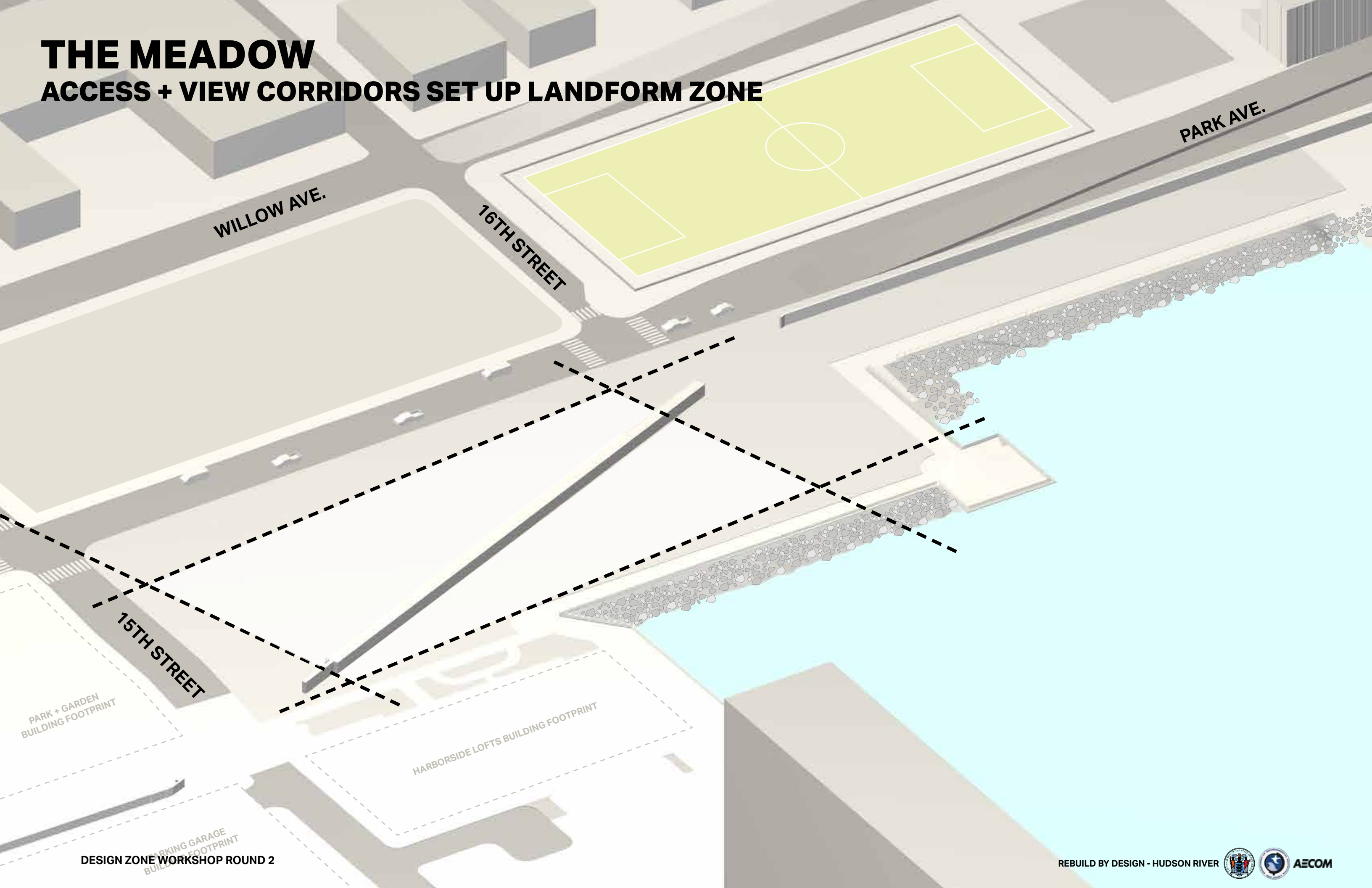
THE MEADOW

SET UP CRITICAL ACCESS + VIEW CORRIDORS

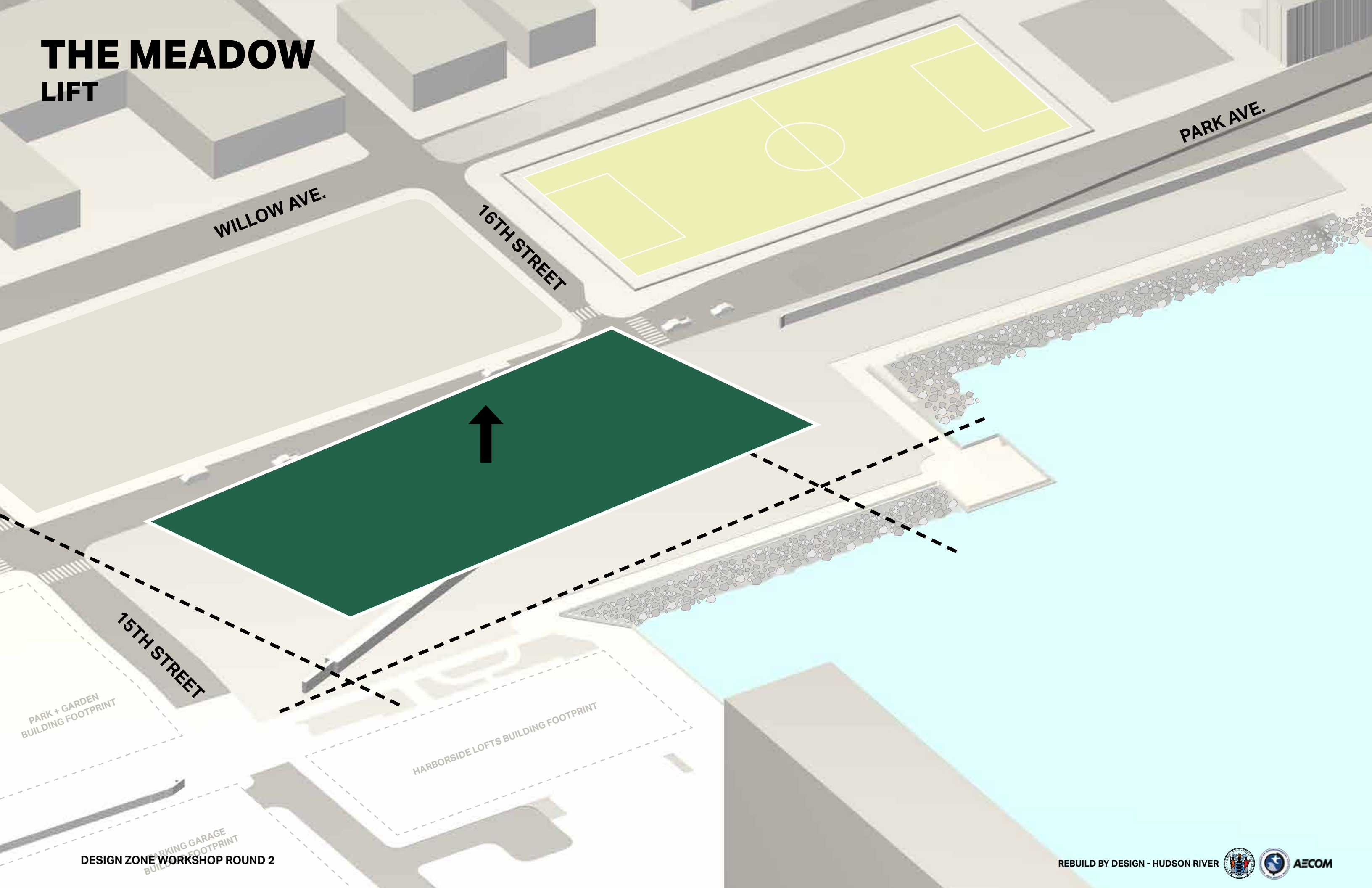


THE MEADOW

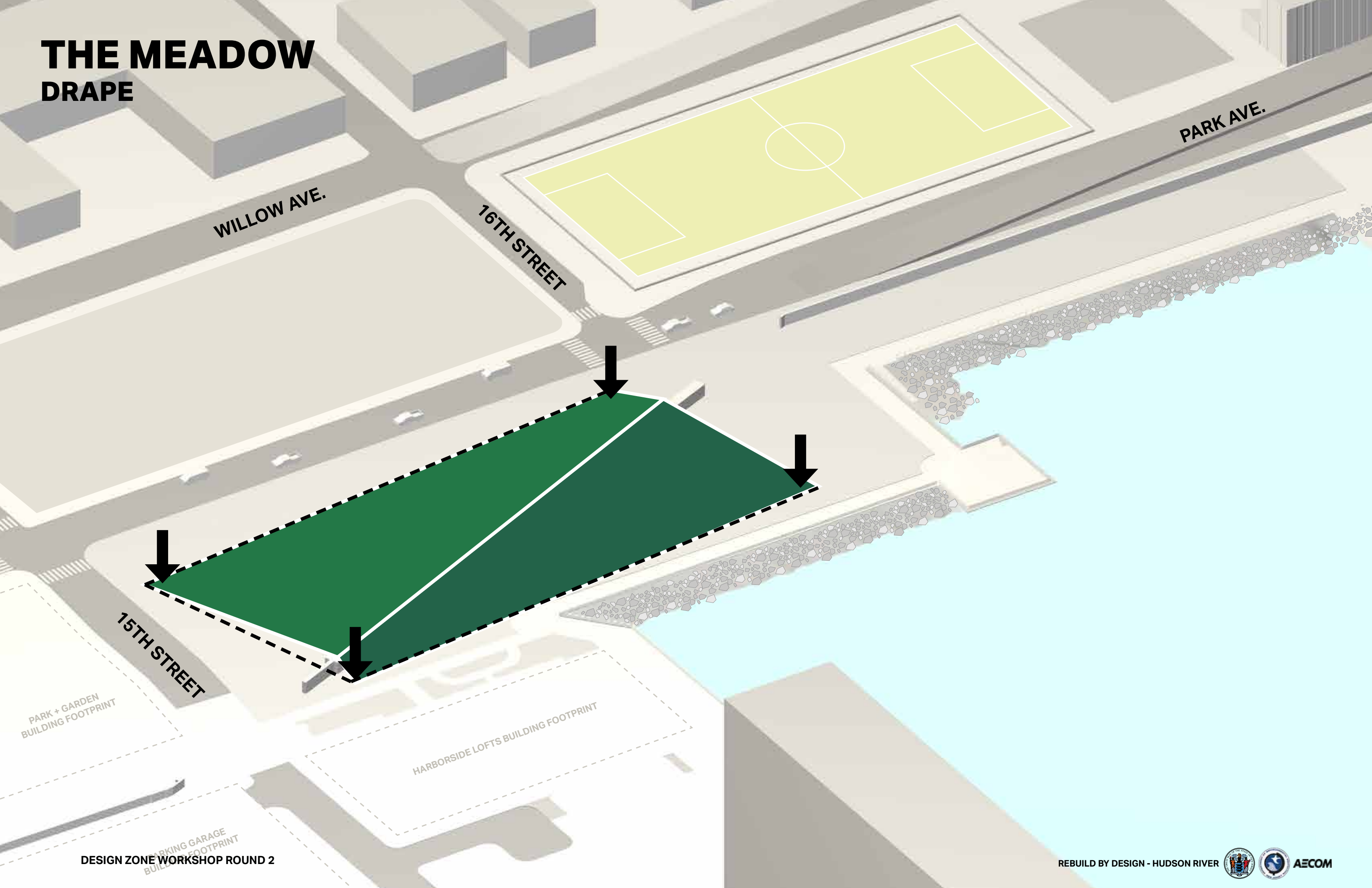
ACCESS + VIEW CORRIDORS SET UP LANDFORM ZONE



THE MEADOW LIFT

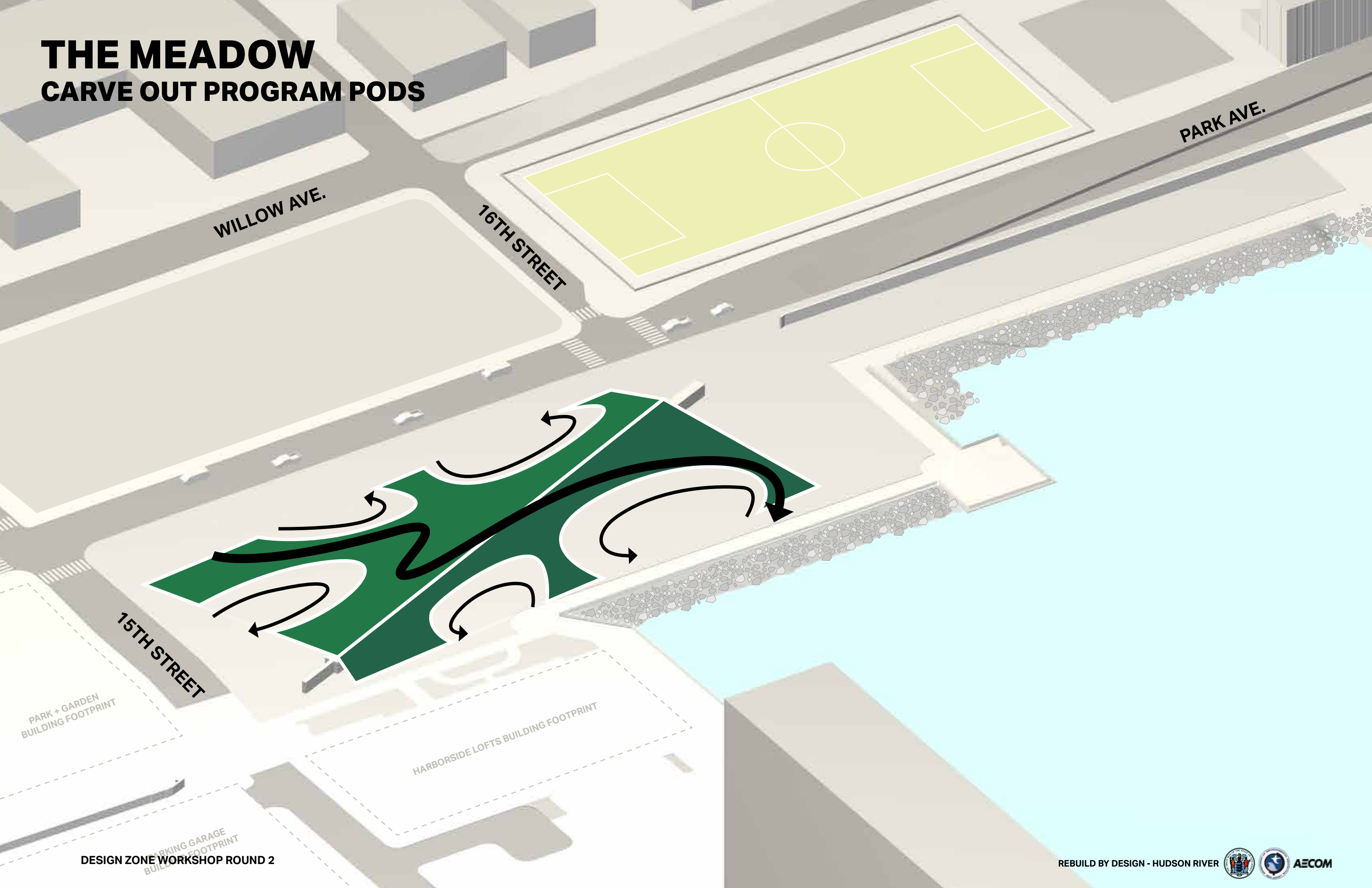


THE MEADOW DRAPE



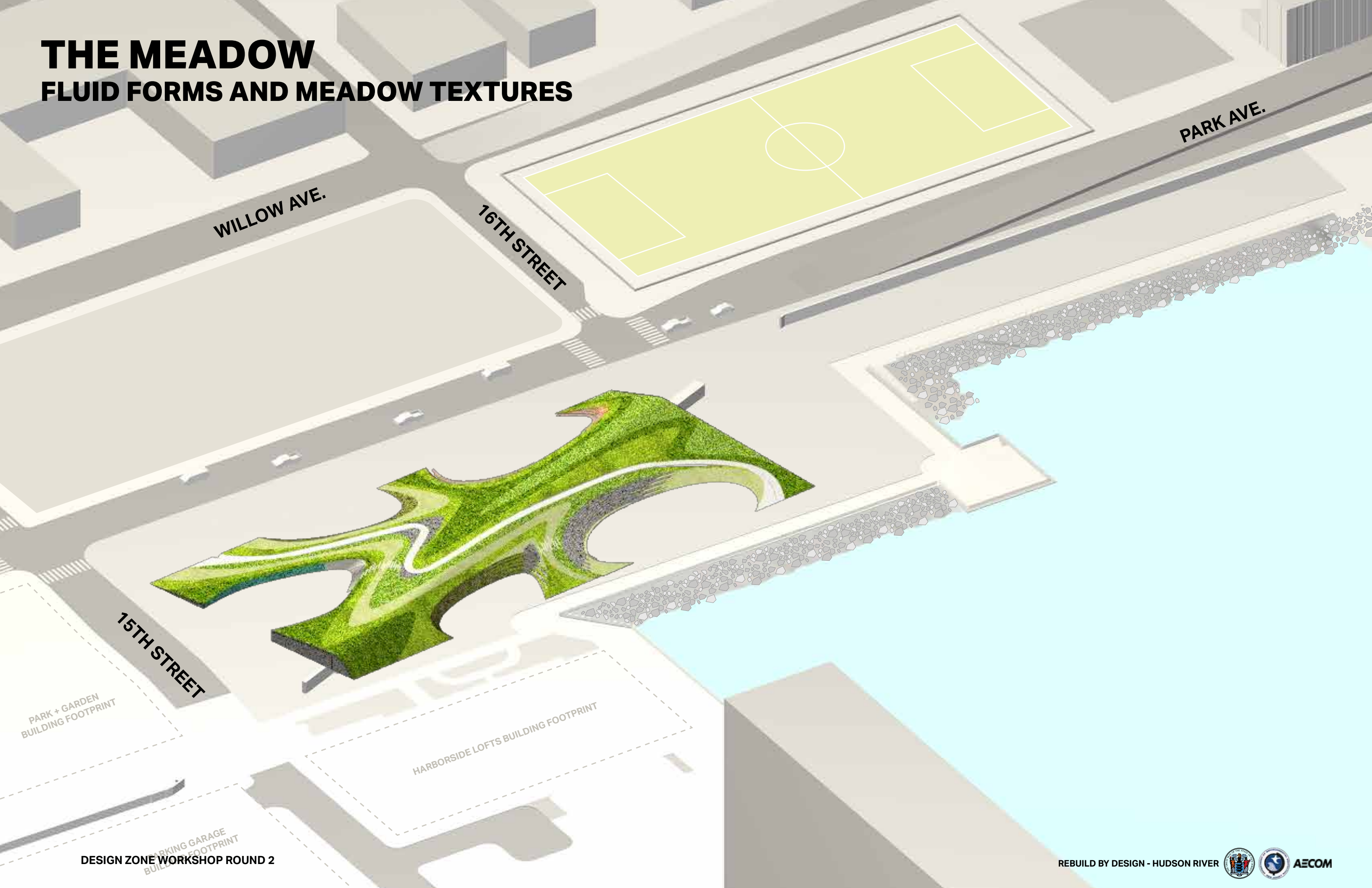
THE MEADOW

CARVE OUT PROGRAM PODS



THE MEADOW

FLUID FORMS AND MEADOW TEXTURES



THE MEADOW

PROGRAM THE ROOMS

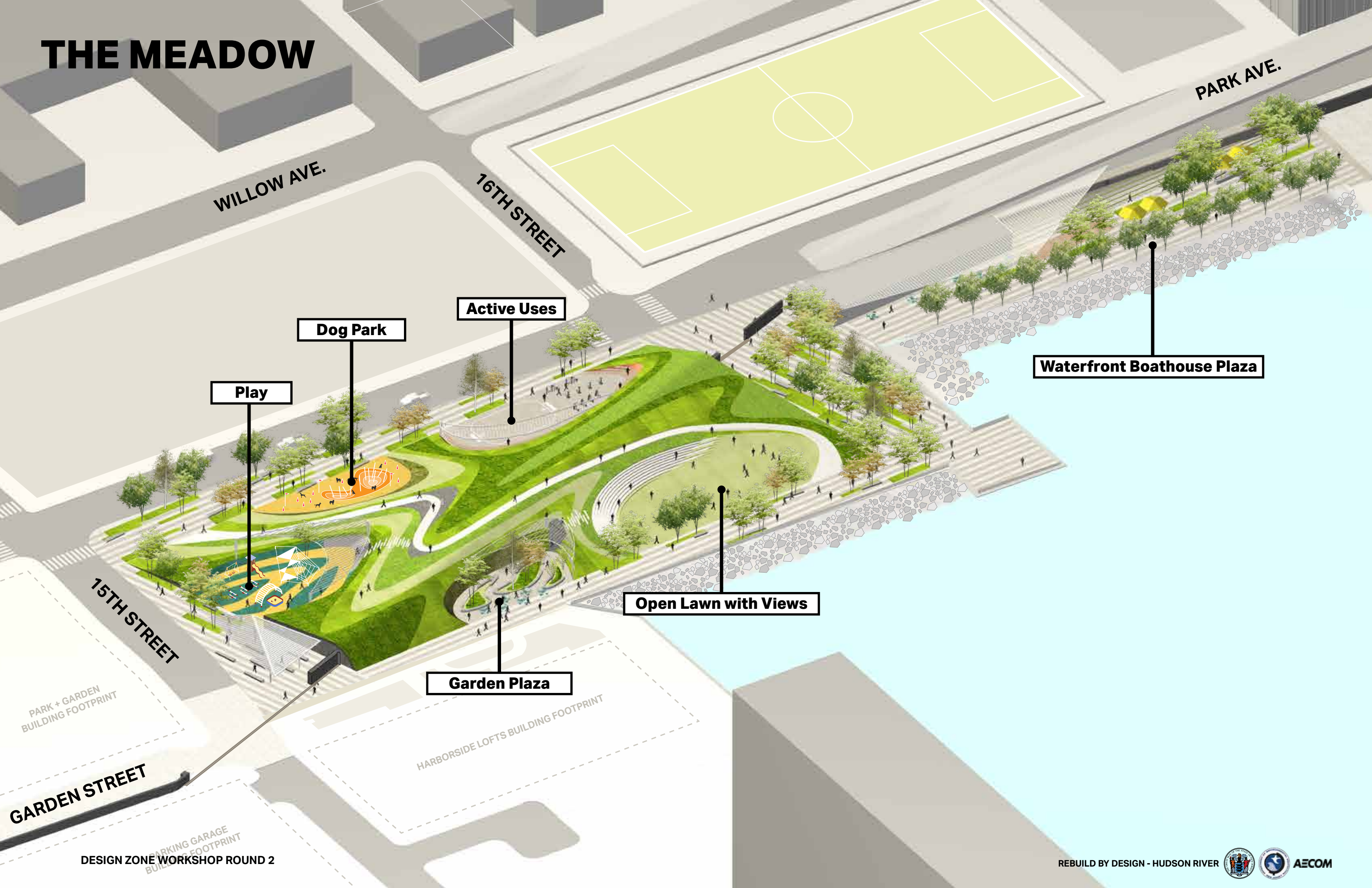


THE MEADOW

URBAN EDGES FOR PROGRAM



THE MEADOW



WILLOW AVE.

PARK AVE.

16TH STREET

Active Uses

Dog Park

Play

Waterfront Boathouse Plaza

Open Lawn with Views

Garden Plaza

15TH STREET

PARK + GARDEN
BUILDING FOOTPRINT

HARBORSIDE LOFTS BUILDING FOOTPRINT

GARDEN STREET

DESIGN ZONE WORKSHOP ROUND 2



AECOM

THE MEADOW

15TH STREET

16TH STREET

PARK AVE.



THE MEADOW

15TH STREET

16TH STREET

PARK AVE.

1

5

4

2

3

6



1

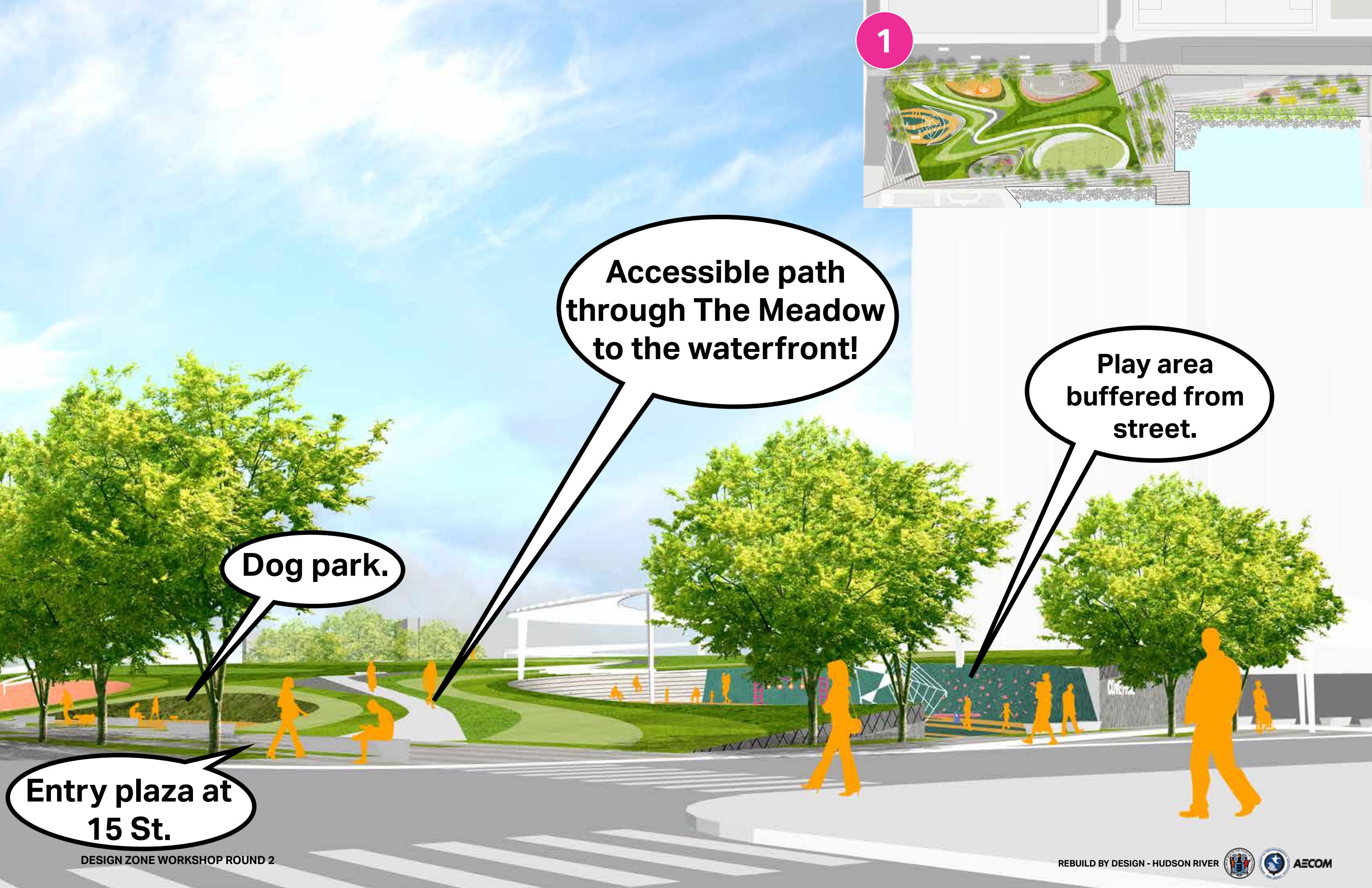


**Accessible path
through The Meadow
to the waterfront!**

**Play area
buffered from
street.**

Dog park.

**Entry plaza at
15 St.**

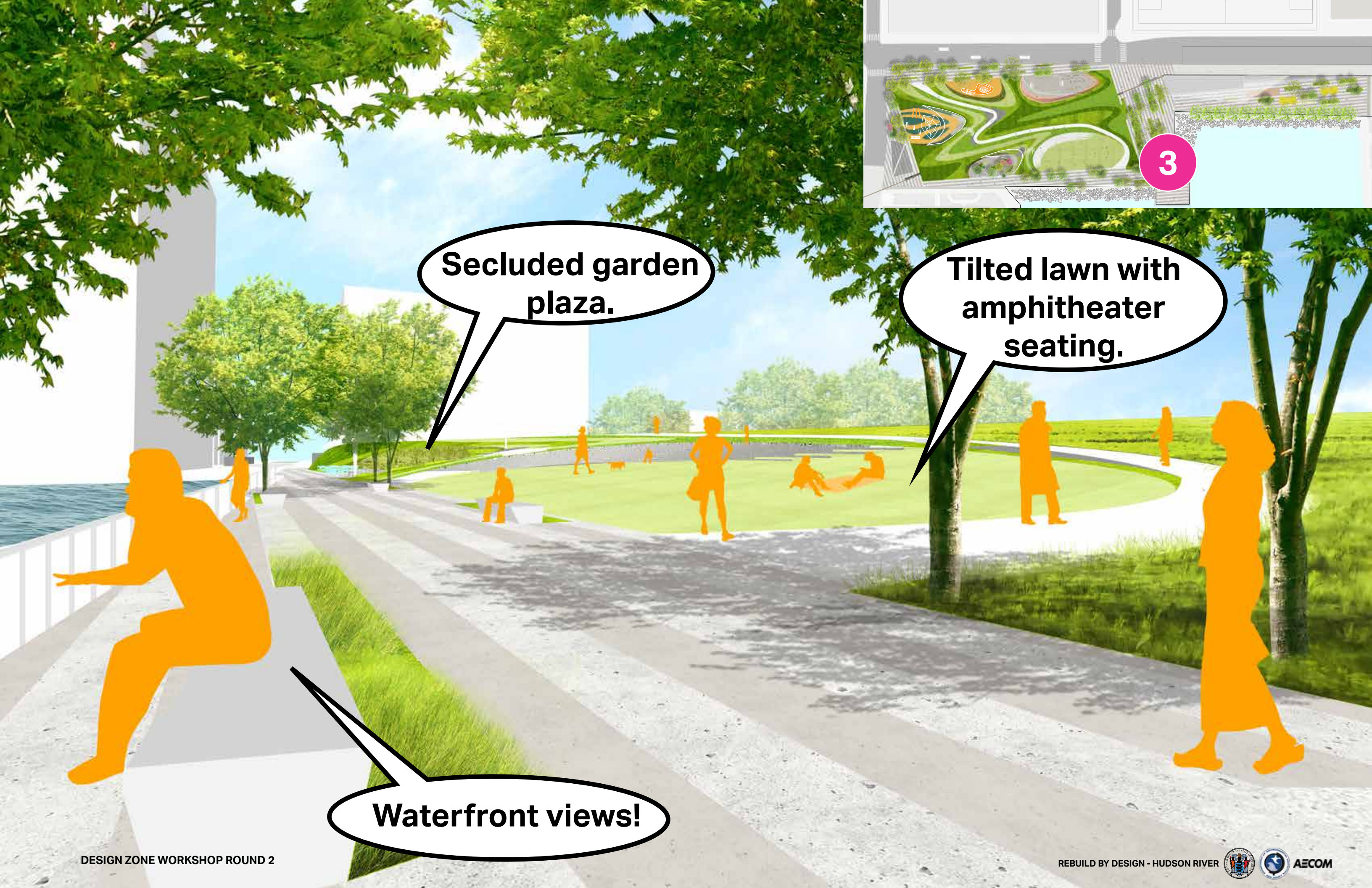


Entry plaza with shade structure, seating and feature wall.

Play area buffered from street.

Waterfront connection.





Secluded garden plaza.

Tilted lawn with amphitheater seating.

Waterfront views!

**Central Meadow planting
feature for visual impact
and passive enjoyment.**



**Accessible path
with adjacent
seating.**



**View corridor, pedestrian
& emergency access to
waterfront through 16th St
gate.**

**Multi-use plaza
with seating &
shade.**

**Active program
& fitness area.**

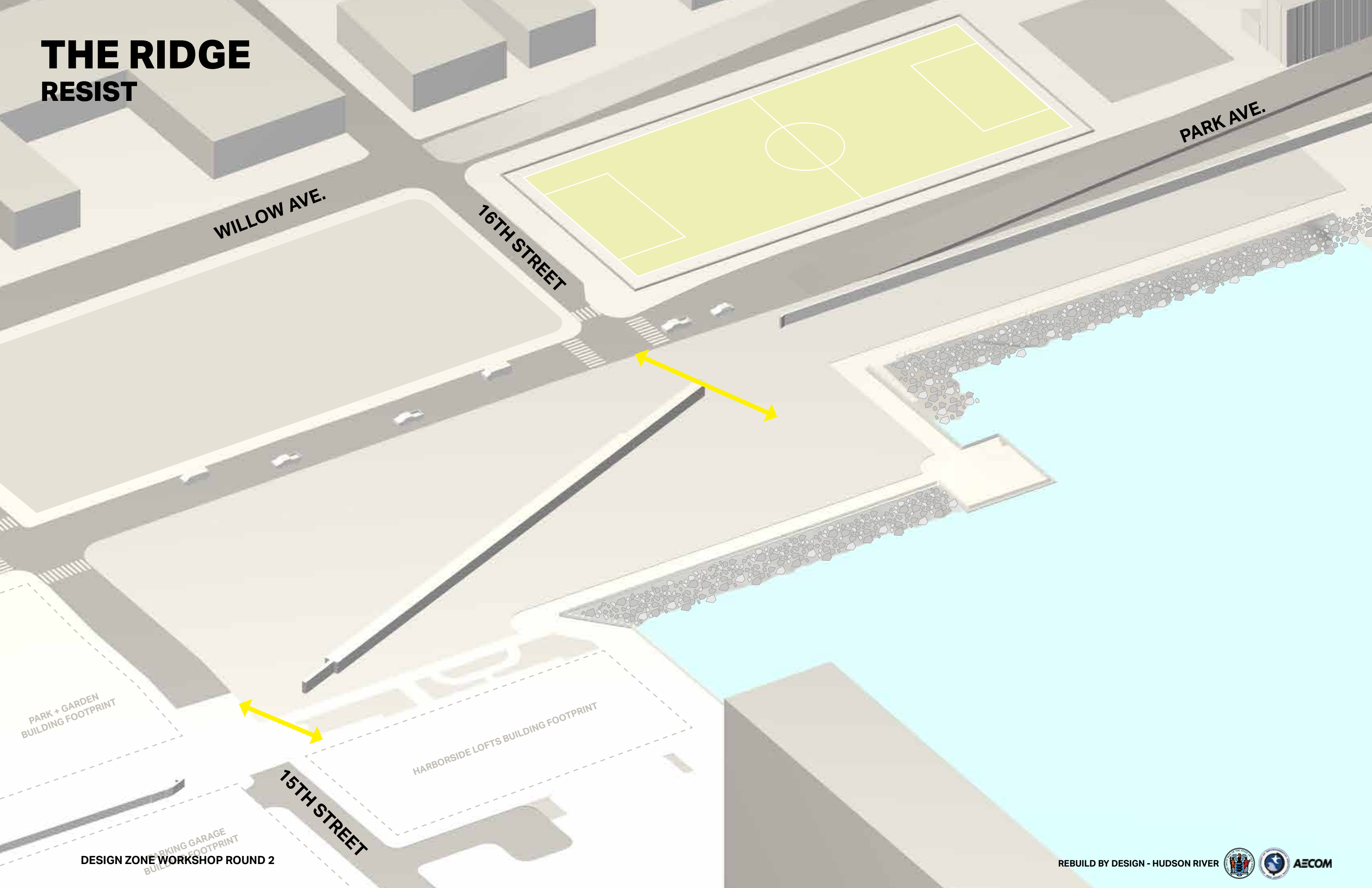


Waterfront views!

Picnics and BBQ's.

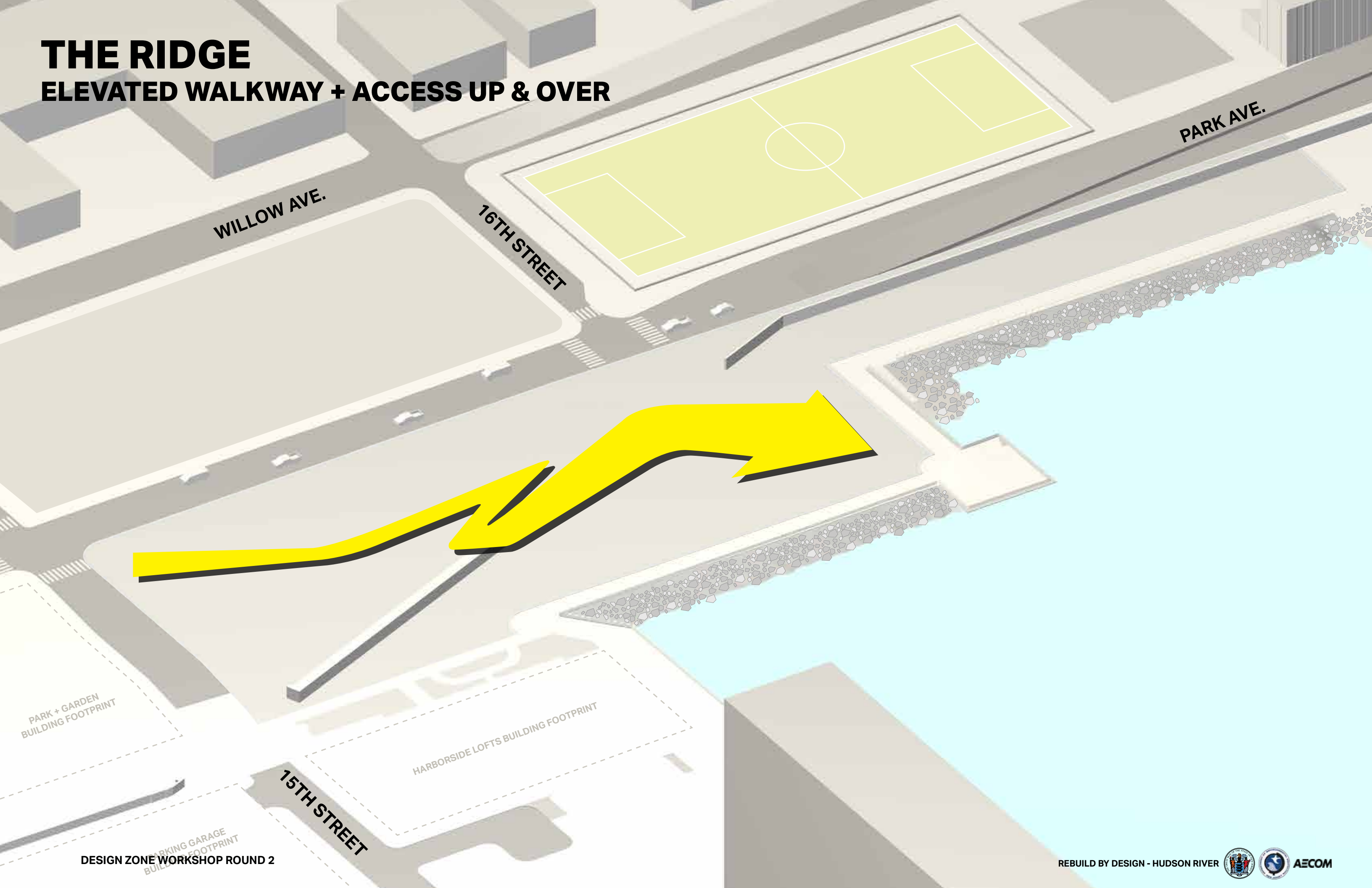
THE RIDGE

THE RIDGE RESIST



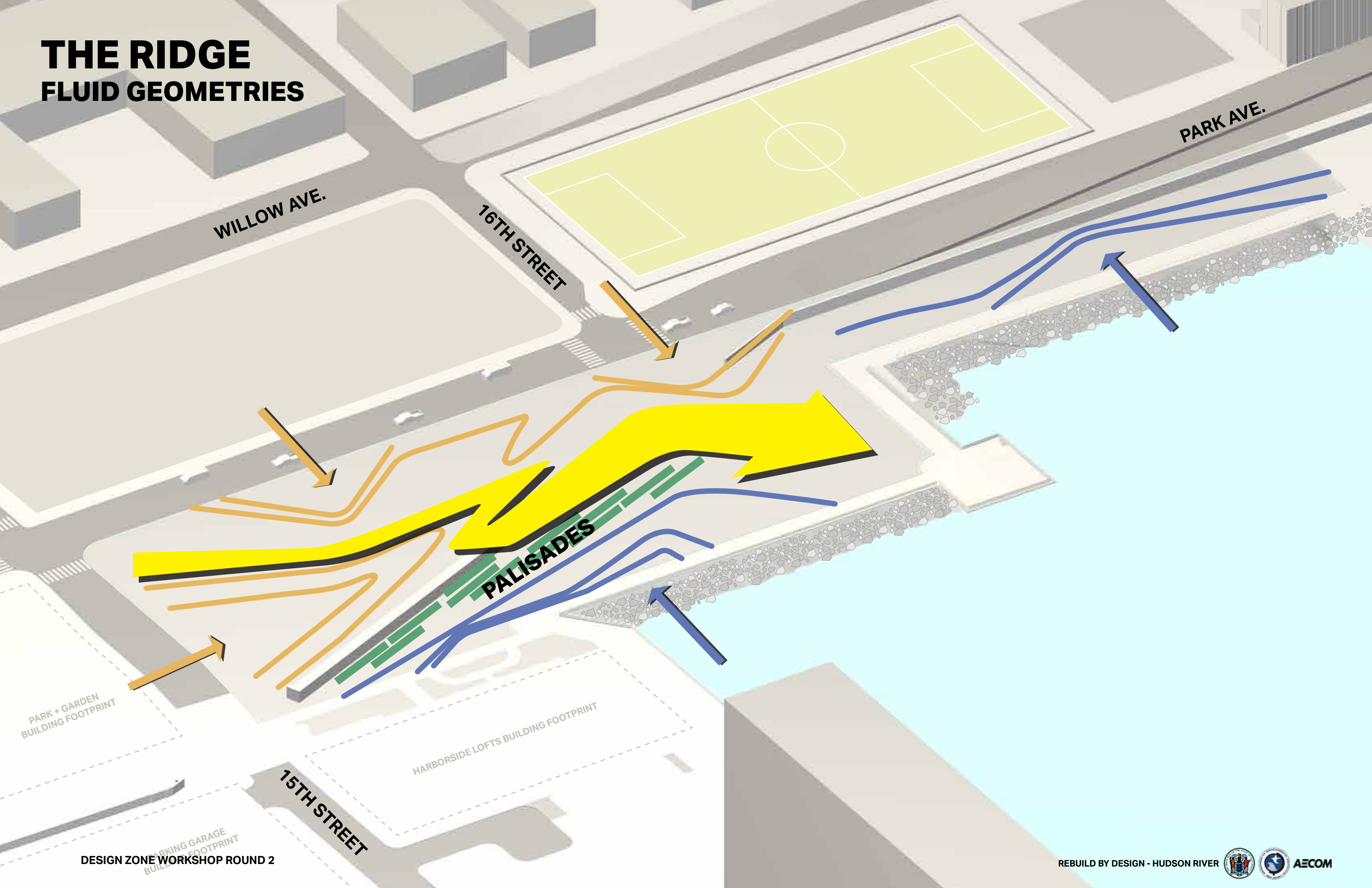
THE RIDGE

ELEVATED WALKWAY + ACCESS UP & OVER

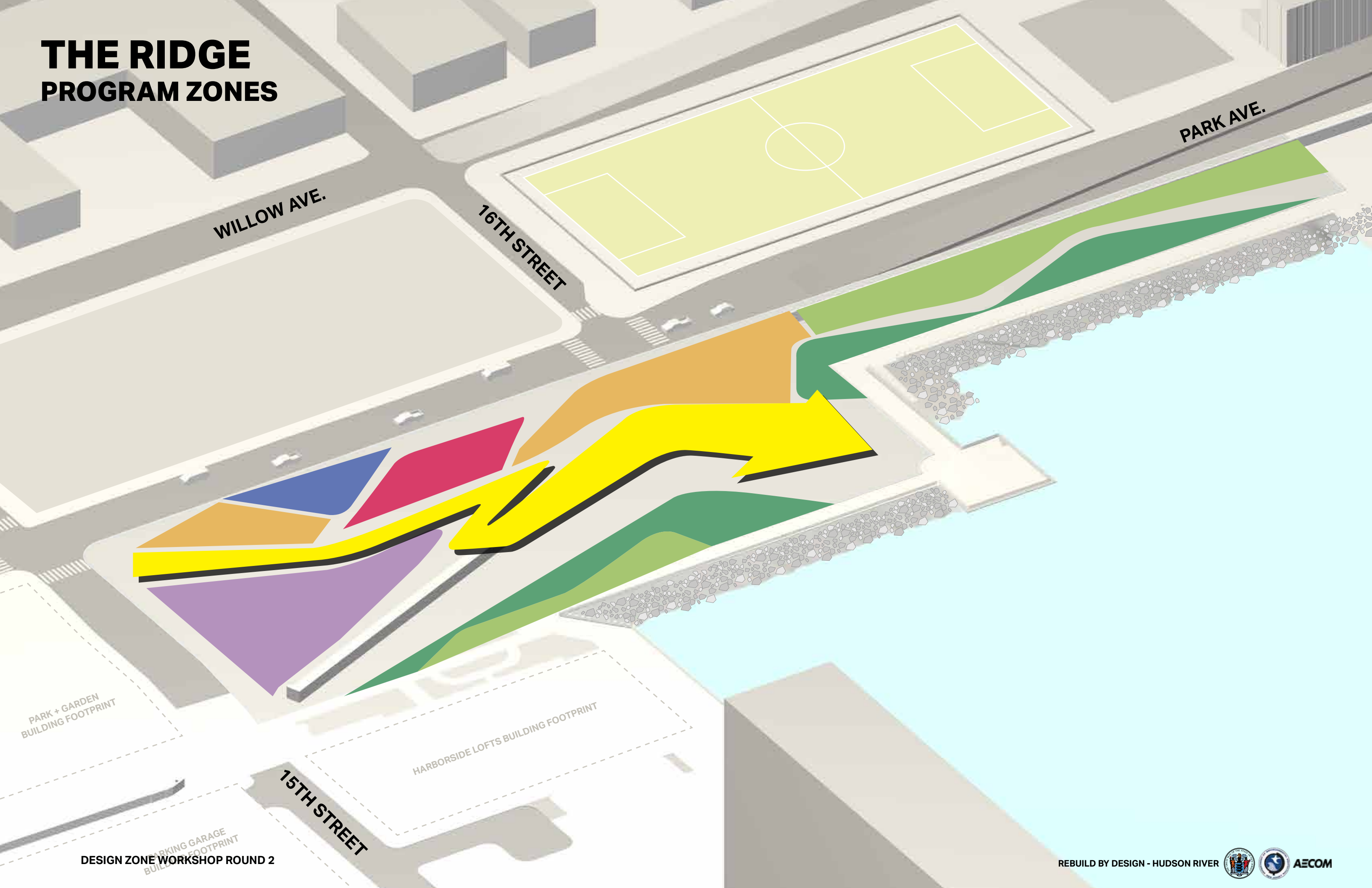


THE RIDGE

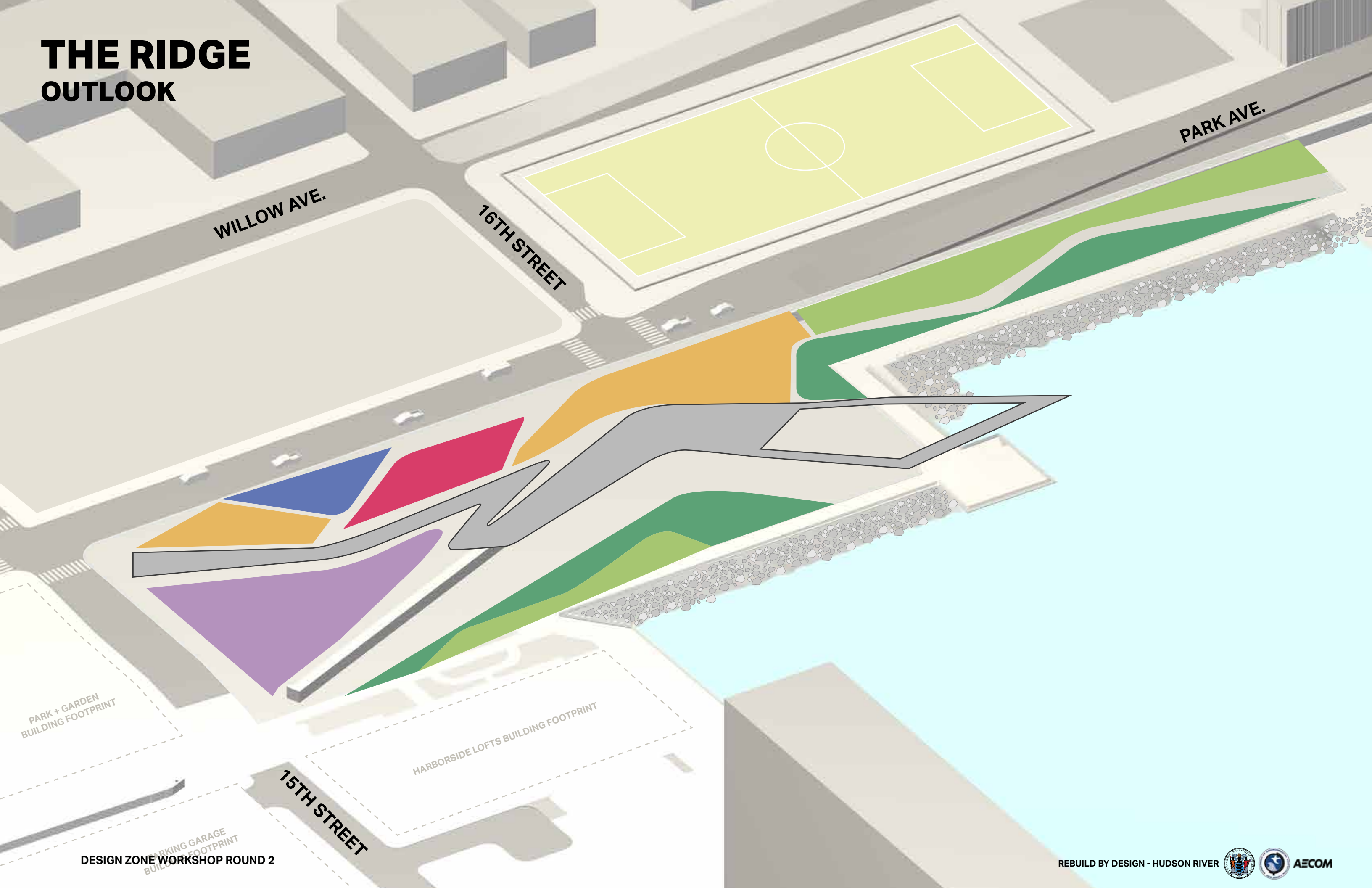
FLUID GEOMETRIES



THE RIDGE PROGRAM ZONES



THE RIDGE OUTLOOK



WILLOW AVE.

16TH STREET

PARK AVE.

PARK + GARDEN
BUILDING FOOTPRINT

HARBORSIDE LOFTS BUILDING FOOTPRINT

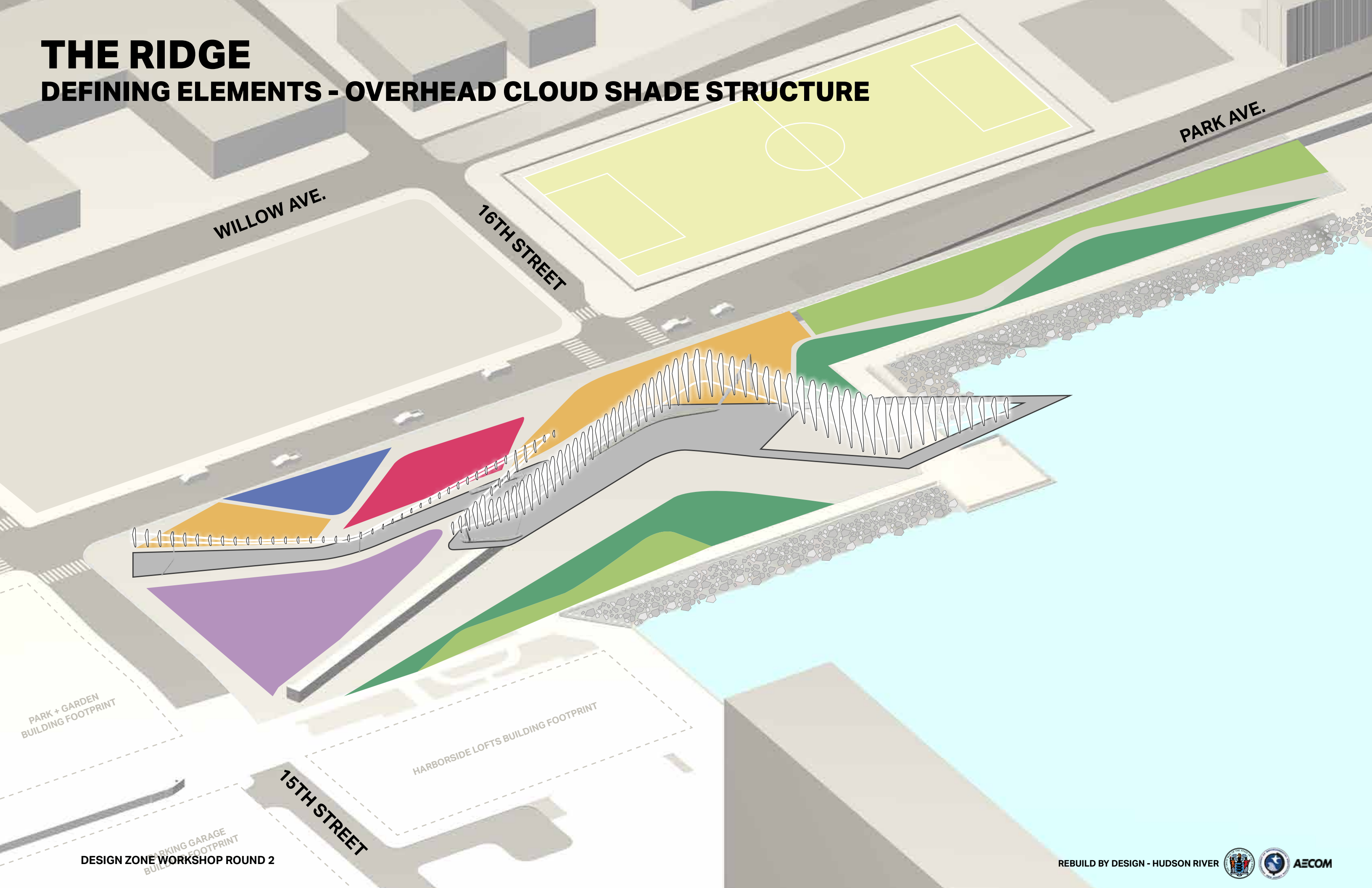
15TH STREET

DESIGN ZONE WORKSHOP ROUND 2



THE RIDGE

DEFINING ELEMENTS - OVERHEAD CLOUD SHADE STRUCTURE



WILLOW AVE.

16TH STREET

PARK AVE.

PARK + GARDEN
BUILDING FOOTPRINT

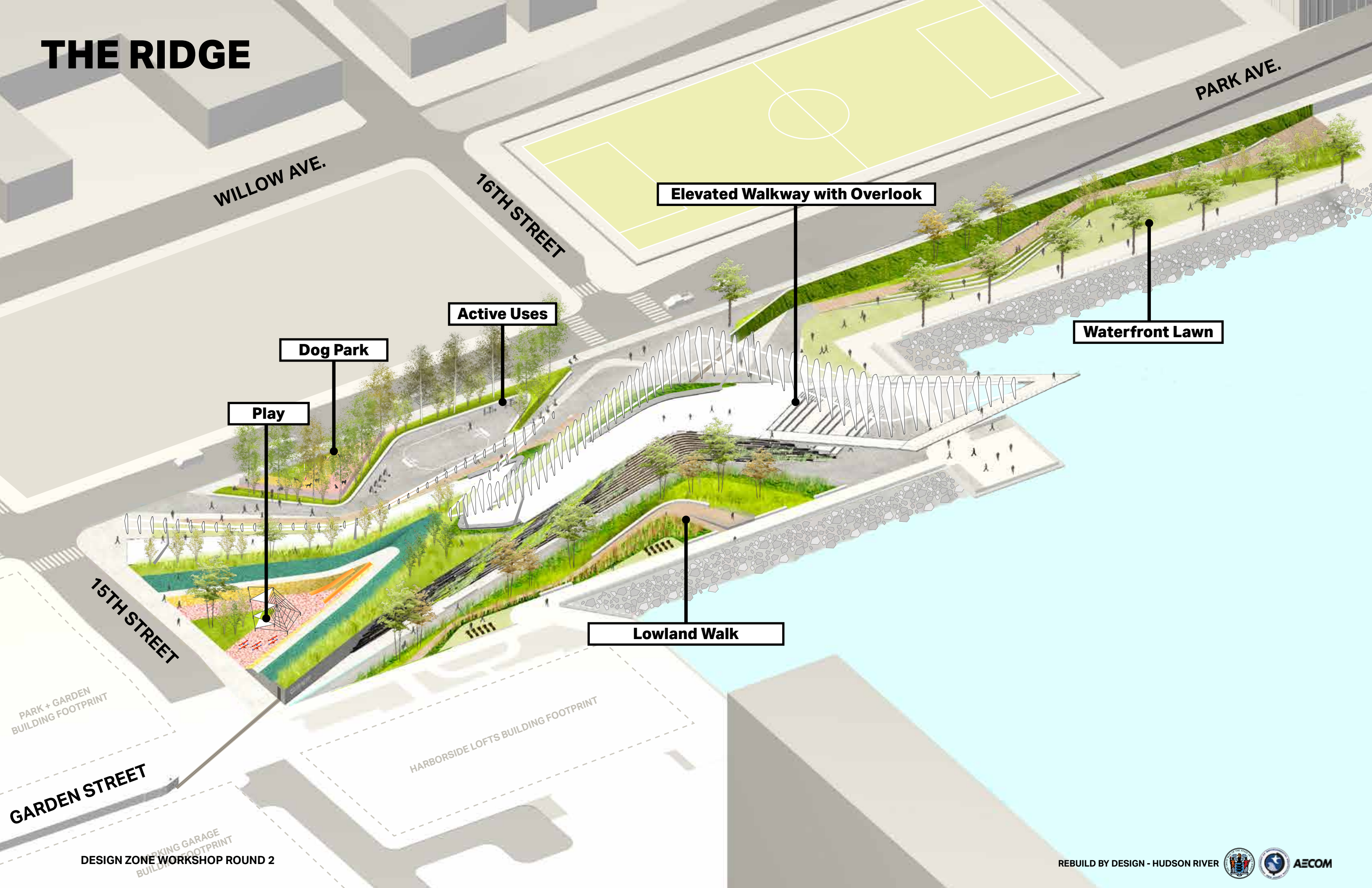
HARBORSIDE LOFTS BUILDING FOOTPRINT

15TH STREET

DESIGN ZONE WORKSHOP ROUND 2

PARKING GARAGE
BUILDING FOOTPRINT

THE RIDGE



Elevated Walkway with Overlook

Waterfront Lawn

Active Uses

Dog Park

Play

Lowland Walk

WILLOW AVE.

16TH STREET

PARK AVE.

15TH STREET

PARK + GARDEN
BUILDING FOOTPRINT

HARBORSIDE LOFTS BUILDING FOOTPRINT

GARDEN STREET

DESIGN ZONE WORKSHOP ROUND 2
PARKING GARAGE
BUILDING FOOTPRINT

THE RIDGE

15TH STREET

16TH STREET

PARK AVE.



THE RIDGE

15TH STREET

16TH STREET

PARK AVE.

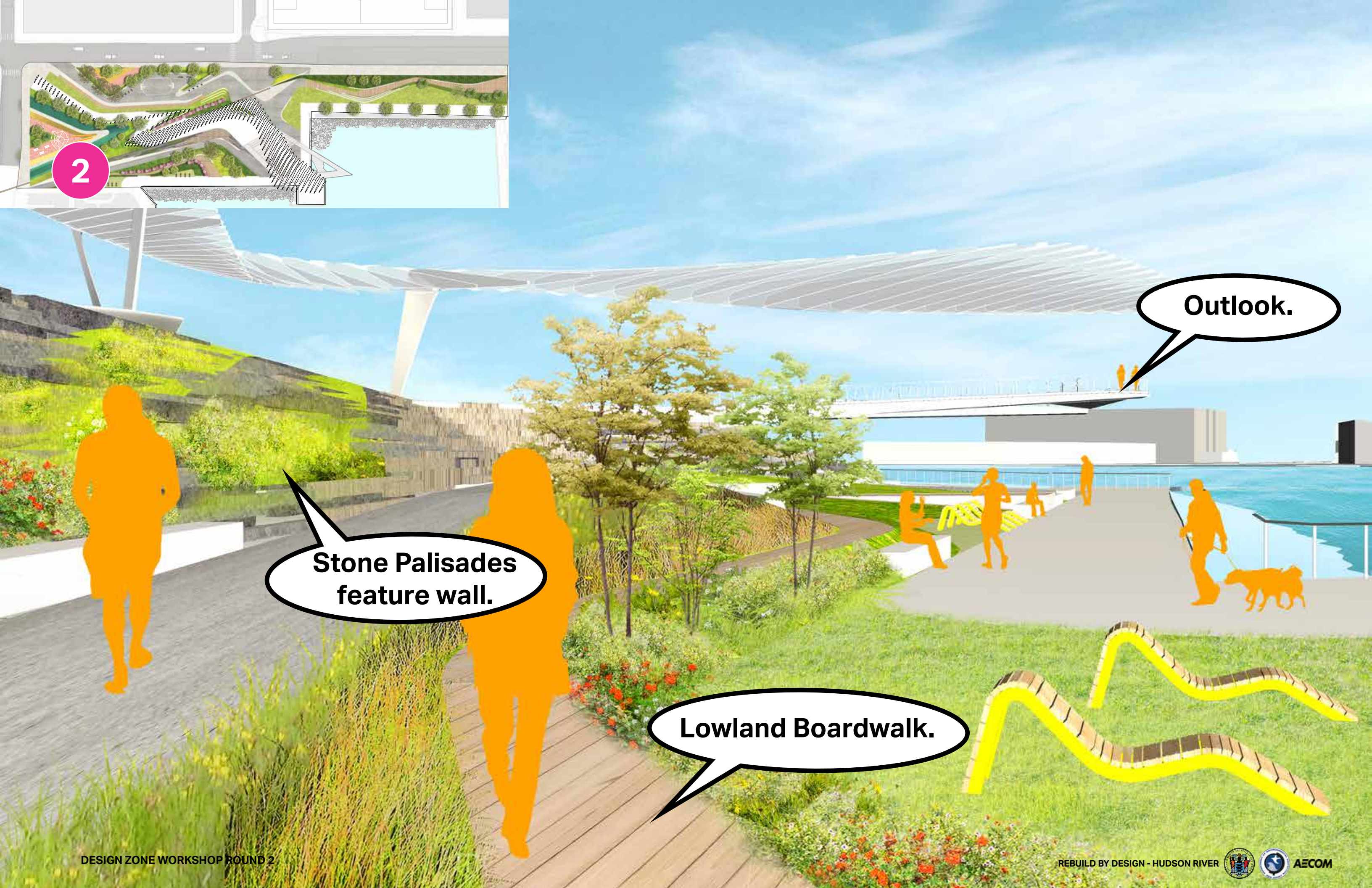


1



"Cloud" canopy.

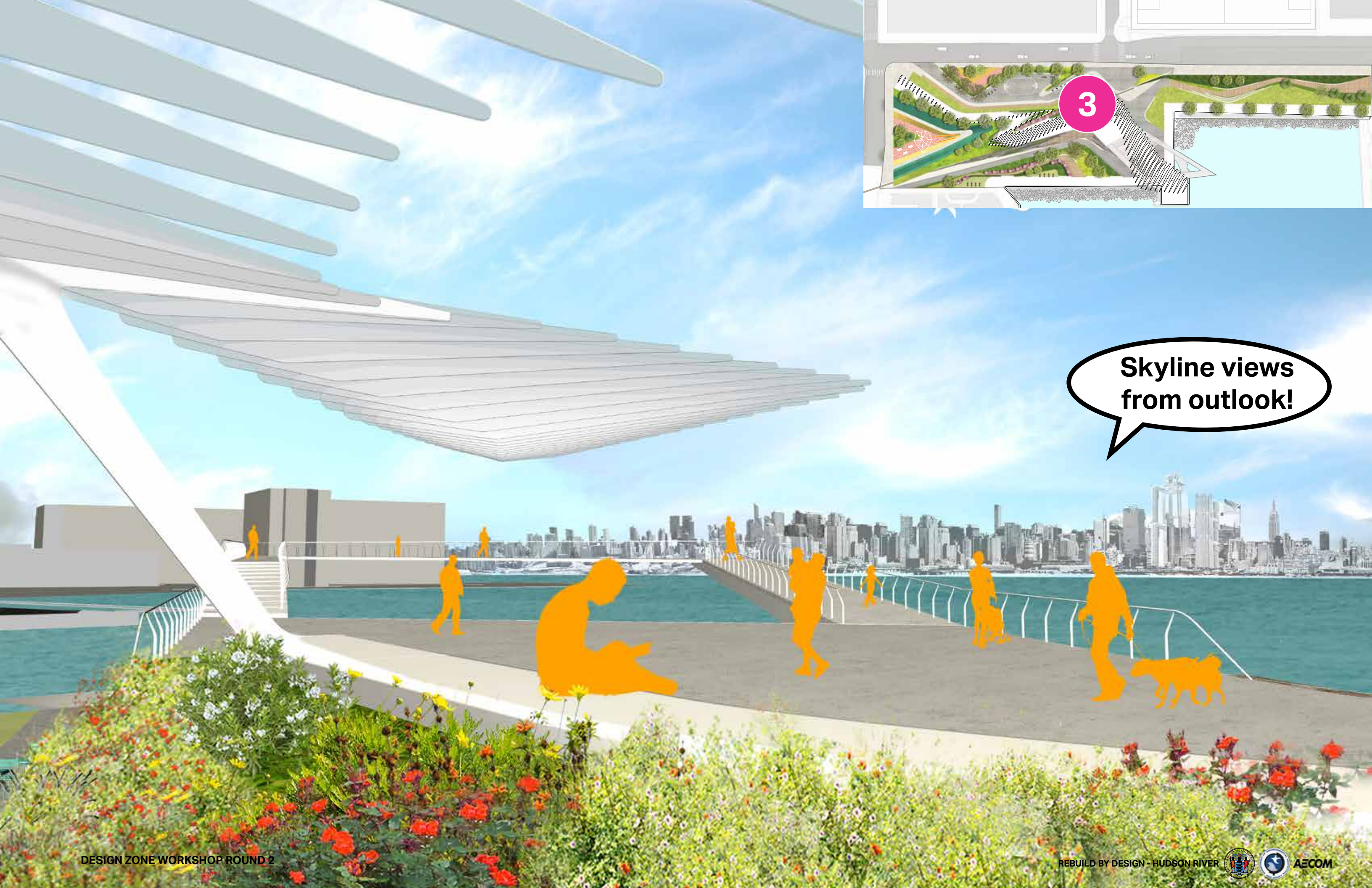
Entry plaza with
garden terraces.



Outlook.

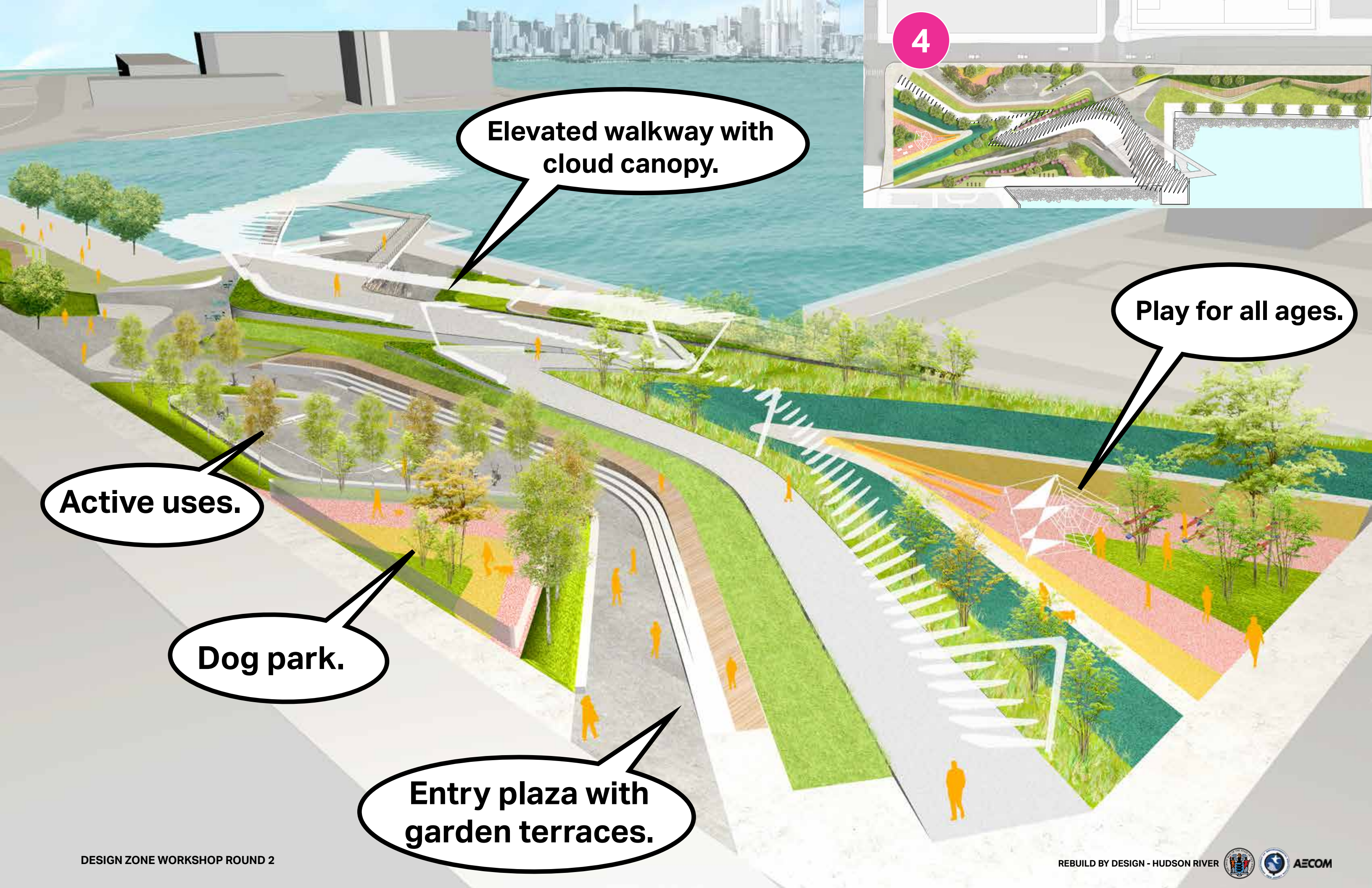
Stone Palisades
feature wall.

Lowland Boardwalk.



**Skyline views
from outlook!**





4

Elevated walkway with cloud canopy.

Active uses.

Dog park.

Entry plaza with garden terraces.

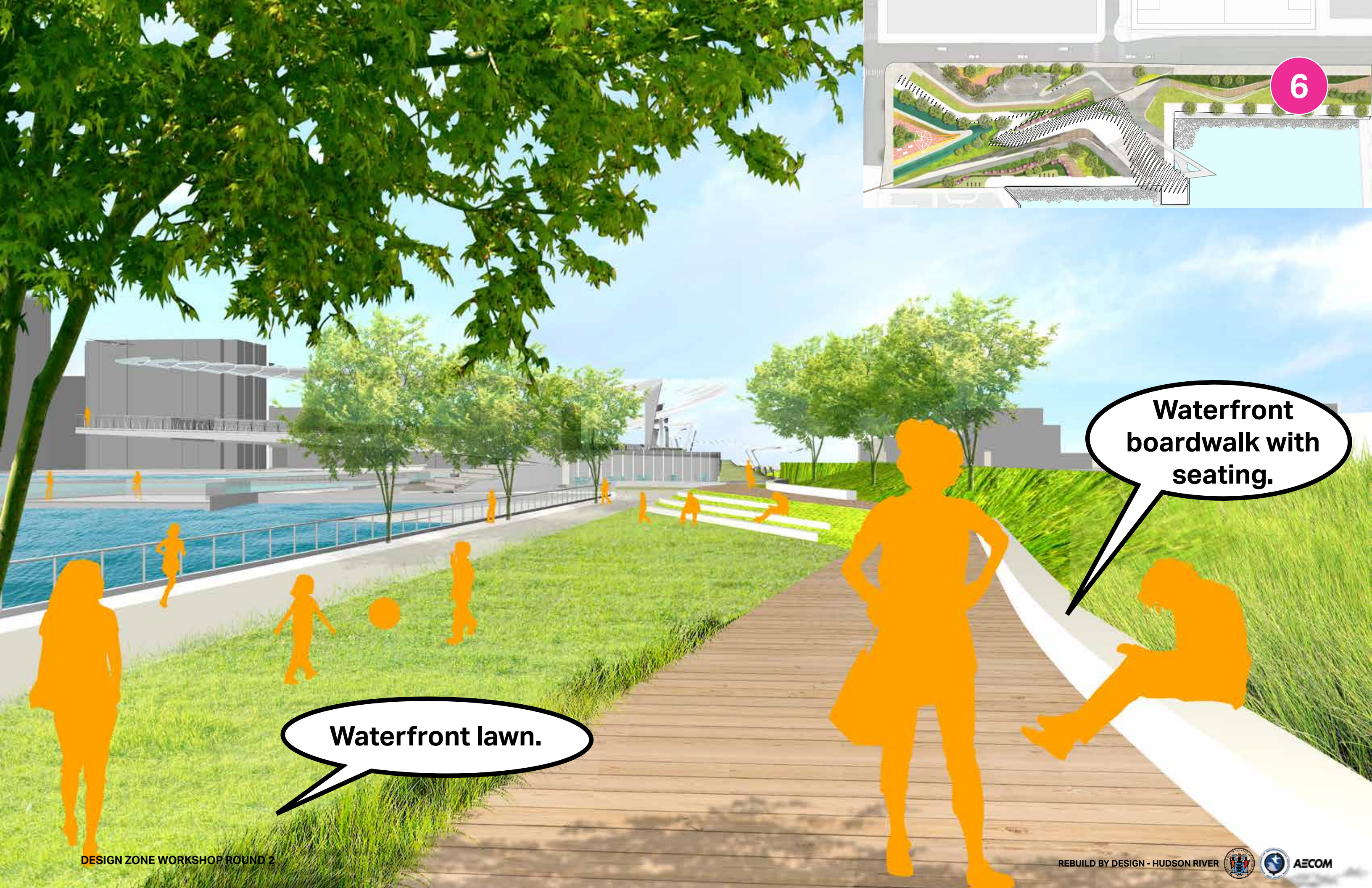
Play for all ages.



5



Entry plaza with
garden terraces.



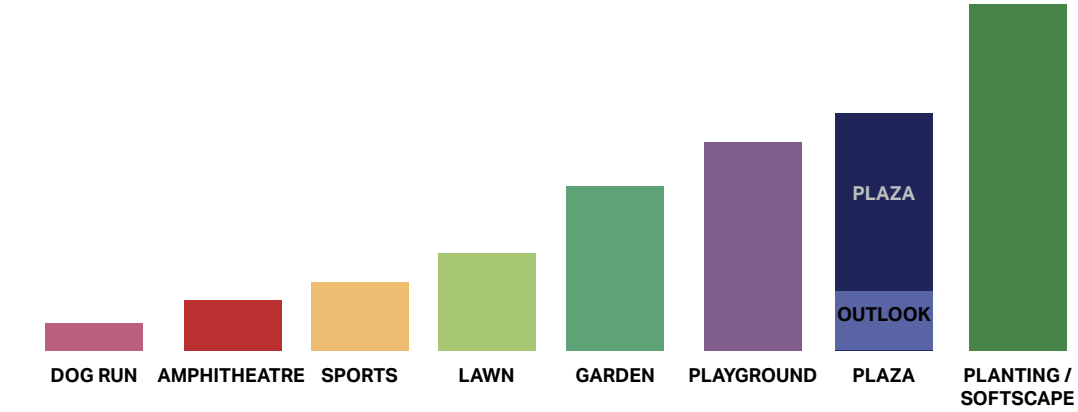
Waterfront boardwalk with seating.

Waterfront lawn.

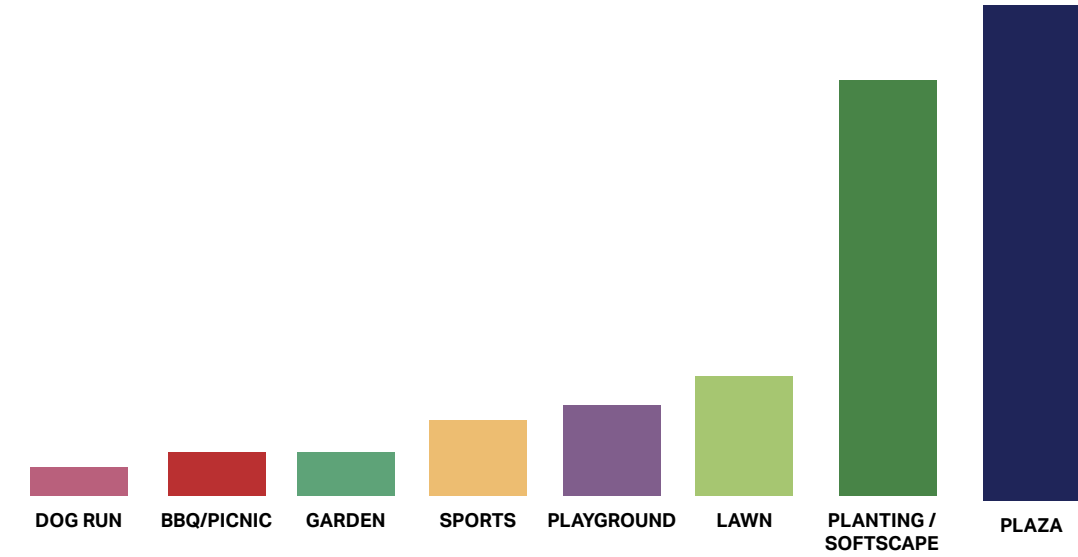
PROGRAM ALLOCATION

GENERAL RATIOS

THE BLOOM

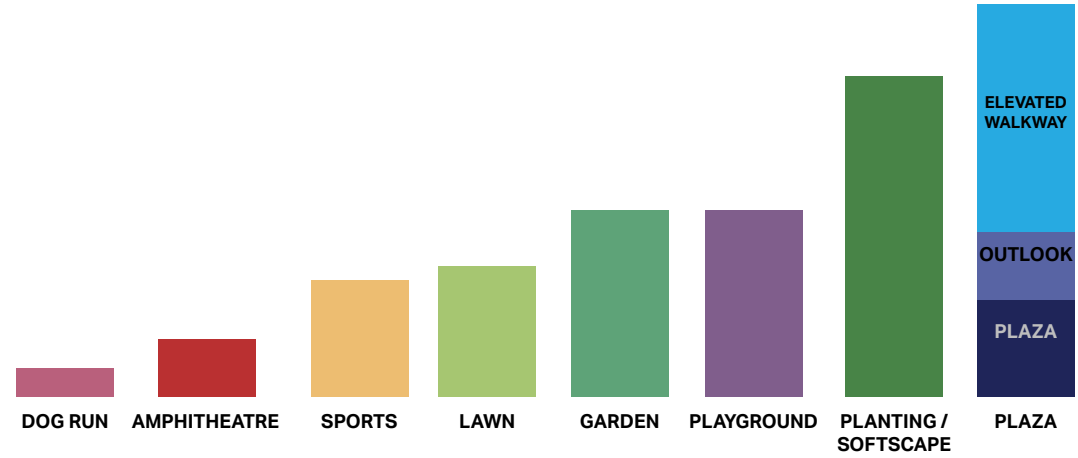
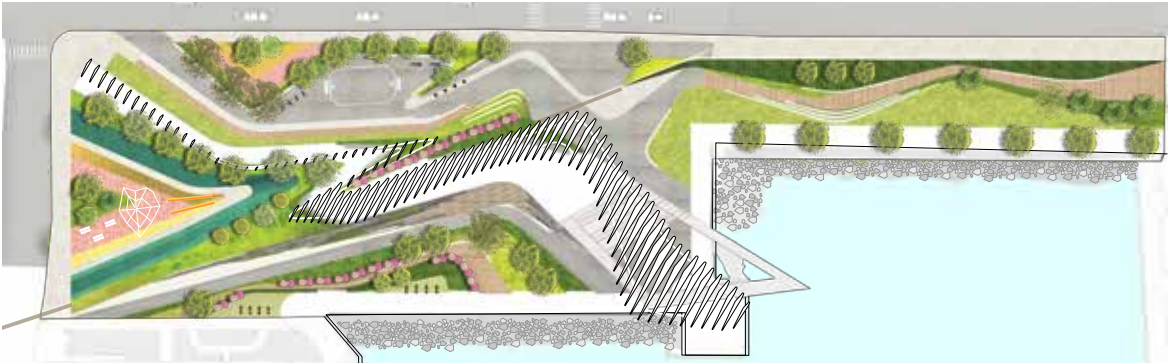


THE MEADOW



THE RIDGE

DESIGN ZONE WORKSHOP ROUND 2



NEXT STEPS + KEY DATES

UPCOMING ENGAGEMENT OPPORTUNITIES

- **DESIGN ZONE WORKSHOPS,
NORTHERN ALIGNMENT ROUND 2**

- FEBRUARY 2019

- Zone 3: February 13th
 - Zone 1-2: February 19th

- **PUBLIC MEETING #3**

- MARCH / APRIL 2019

- **PUBLIC MEETING #4**

- JULY 2019

- **Questions & Comments:**

rbd-hudsonriver@dep.nj.gov

- **Mail**

Dennis Reinknecht, Chief
Bureau of Flood Resilience
501 East State Street,
Mail Code 501-01A, PO Box 420
Trenton, NJ 08625-0420

- **Website:**

www.rbd-hudsonriver.nj.gov

THE TEAM

WHO YOU WILL SEE TONIGHT FROM THE AECOM PROJECT TEAM



Presenter

KAREN APPELL PE, CPESC
Project Manager



Presenter

TIMOTHY HO, OMA
Community Engagement



Presenter

ERIC OLSEN
Landscape Architecture /
Urban Design and Community
Engagement



**CHRISTOPHER BENOSKY,
PE, CFM**
Project Executive



TOM VARGO PE, CCM
Senior Design / Construction
Engineer



GONZALO CRUZ
Landscape Architecture &
Urban Design Principal



COLBY SEIBERT
Project Engineer



RAN WEI
Landscape Designer



KARYSSA HALSTEAD
Landscape Designer



LAUREN MICIR
Landscape Designer



DANIEL SGRIZZI
Landscape Designer



ANNA MARSHALL
Project Specialist



END