

# REBUILD BY DESIGN HUDSON RIVER

JERSEY CITY HOBOKEN WEEHAWKEN | NEW JERSEY



## DESIGN ZONE WORKSHOP - ZONE 3

FEBRUARY 13, 2019



# MEETING AGENDA

## 1. RBD BACKGROUND

- COMPETITION
- PRELIMINARY DESIGN
- FEASIBILITY STUDY

## 2. ZONE 3 DESIGN UPDATE

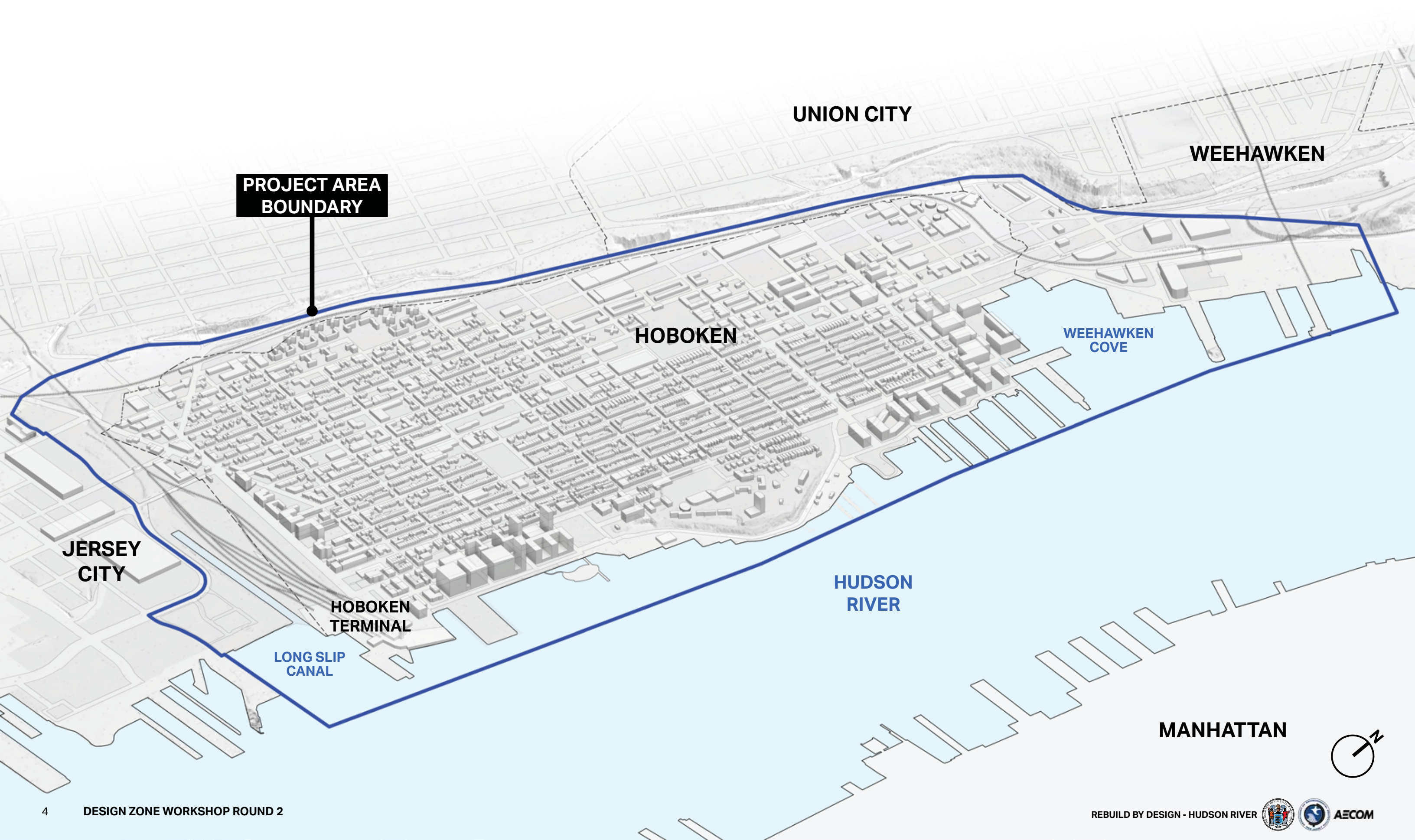
- PROJECT DRIVERS
  - Public Input
  - Technical Drivers
- DESIGN UPDATES
  - Washington Street
  - Alleyway
  - Garden Street

## 3. ZONE 3 DESIGN MATERIALS

# RBD BACKGROUND



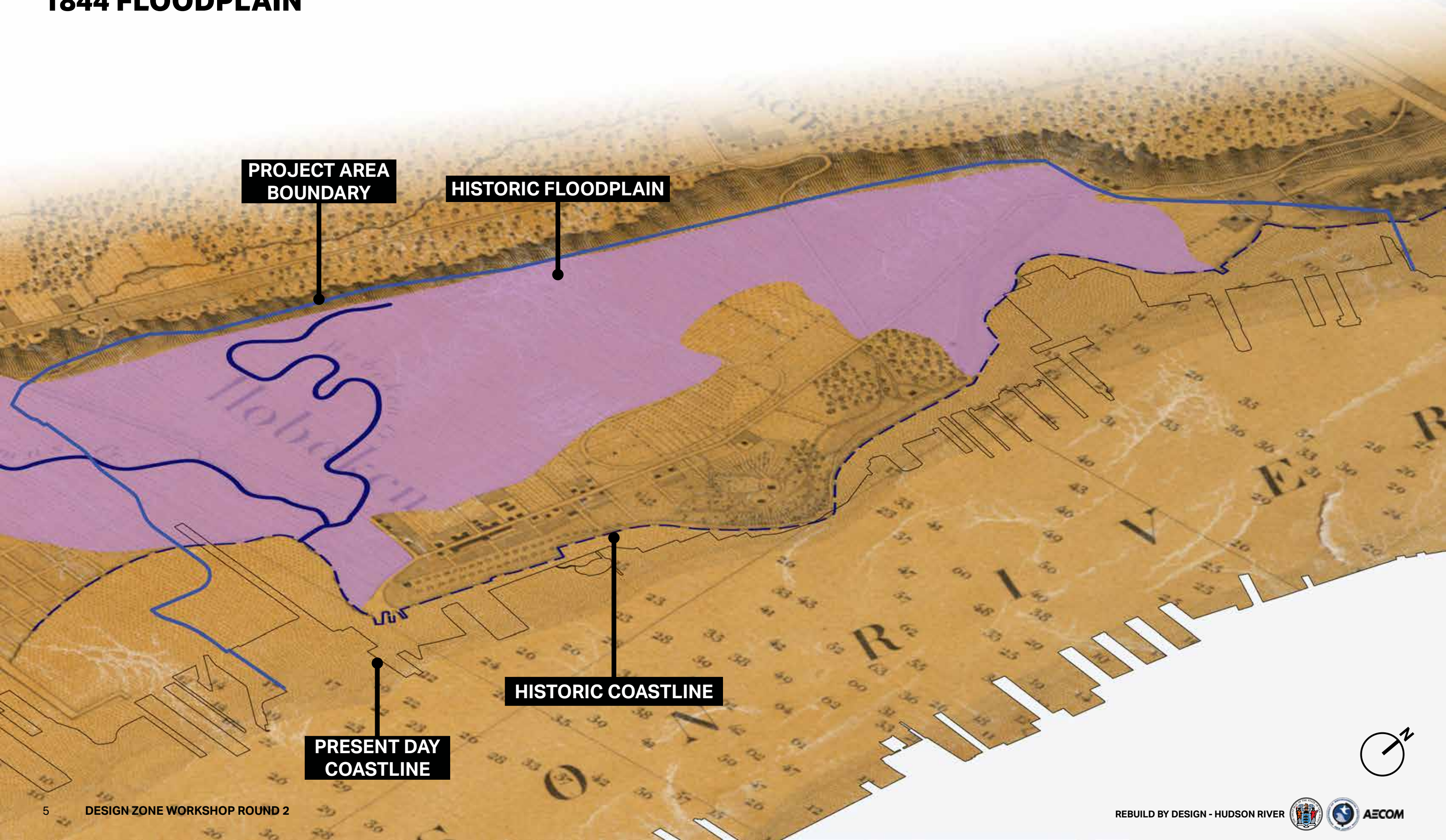
# PROJECT AREA





# HISTORICAL FLOODING

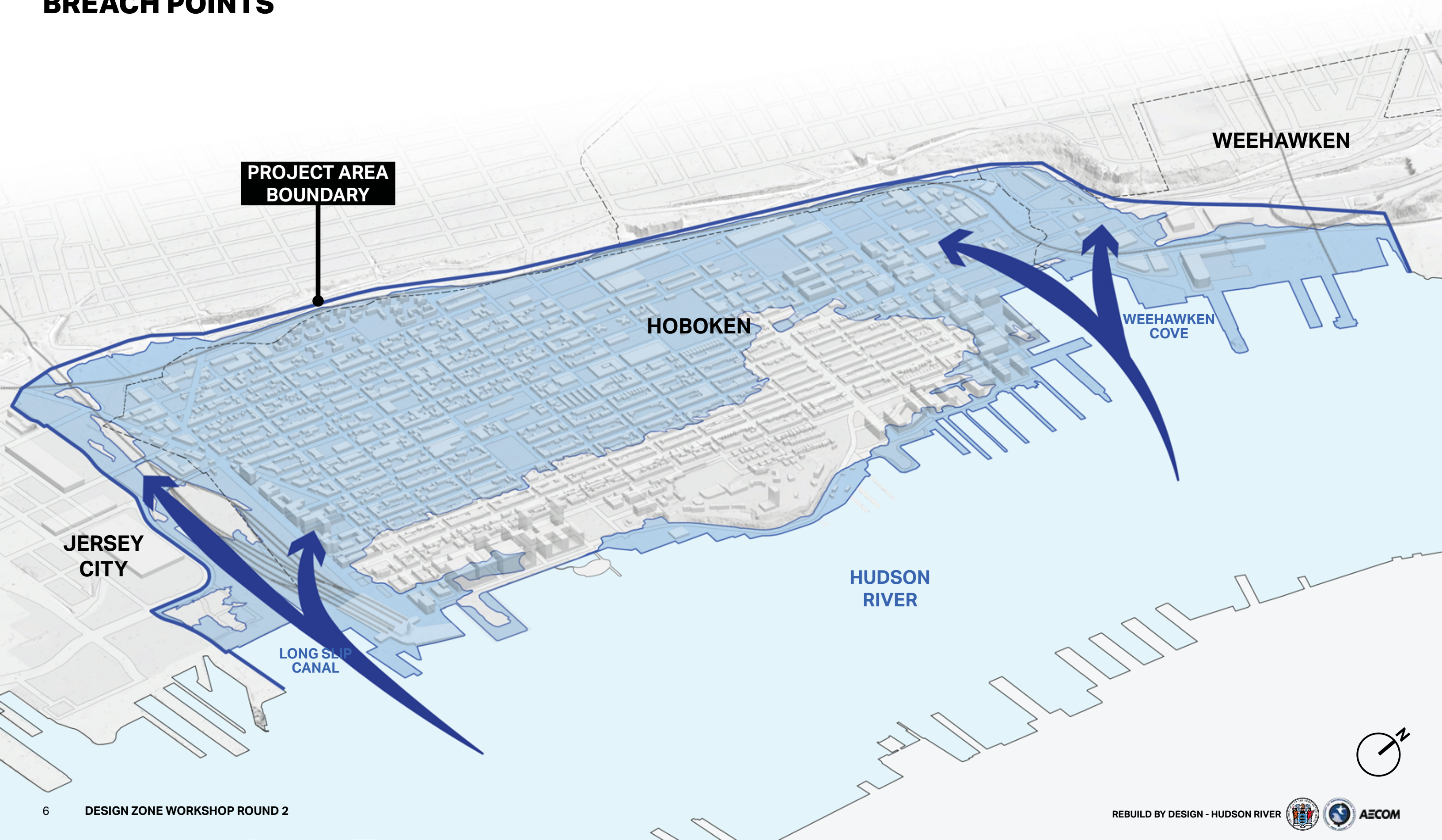
## 1844 FLOODPLAIN





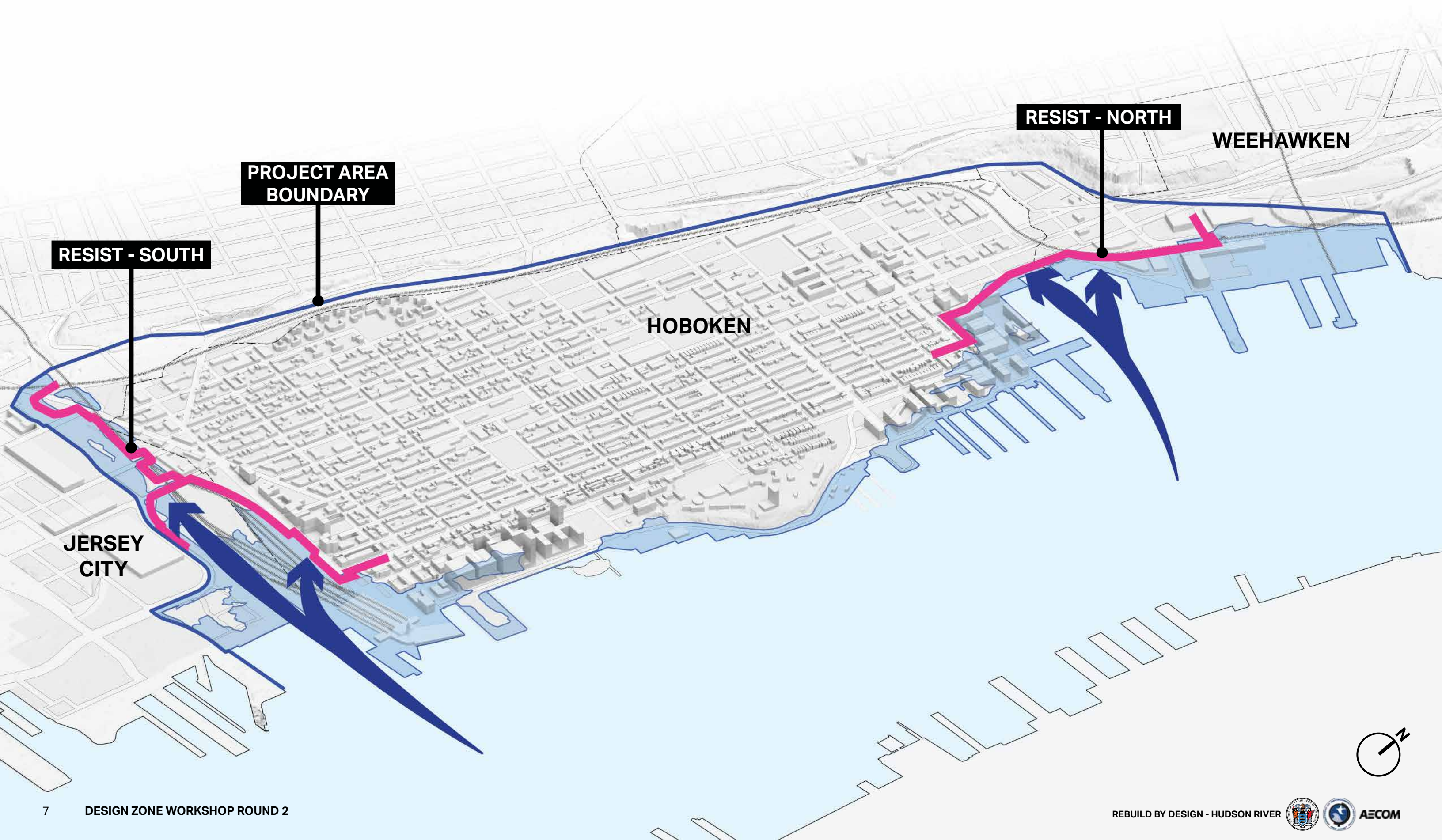
# SUPERSTORM SANDY

## BREACH POINTS





# RESIST ALIGNMENT





# PROJECT TIMELINE

## COMPETITION TO IMPLEMENTATION





**COMPETITION PHASE**  
**4-PART STRATEGY**

**RESIST**



**DELAY**



**STORE**



**DISCHARGE**





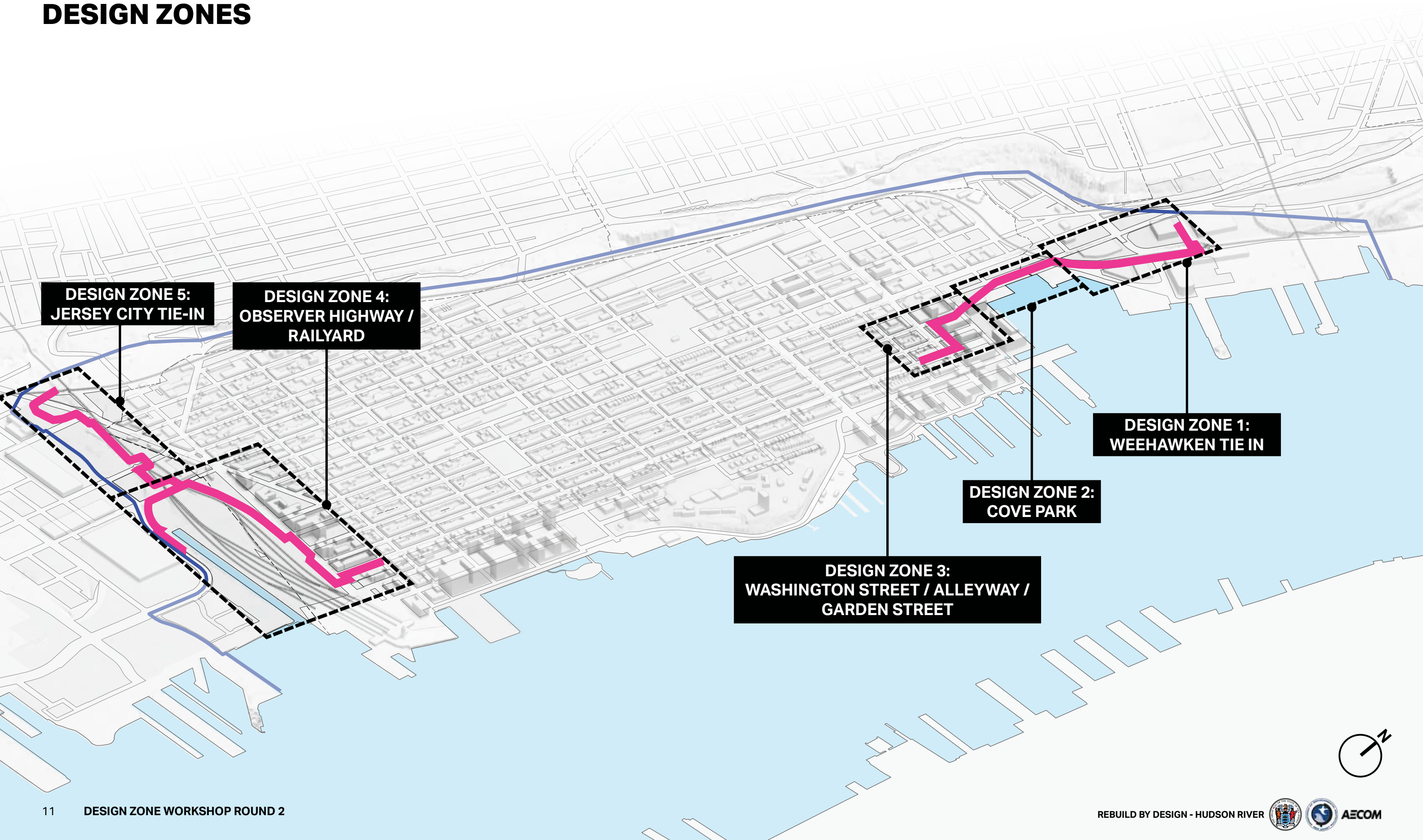
## PREFERRED ALTERNATIVE - ALTERNATIVE 3





# FINAL DESIGN

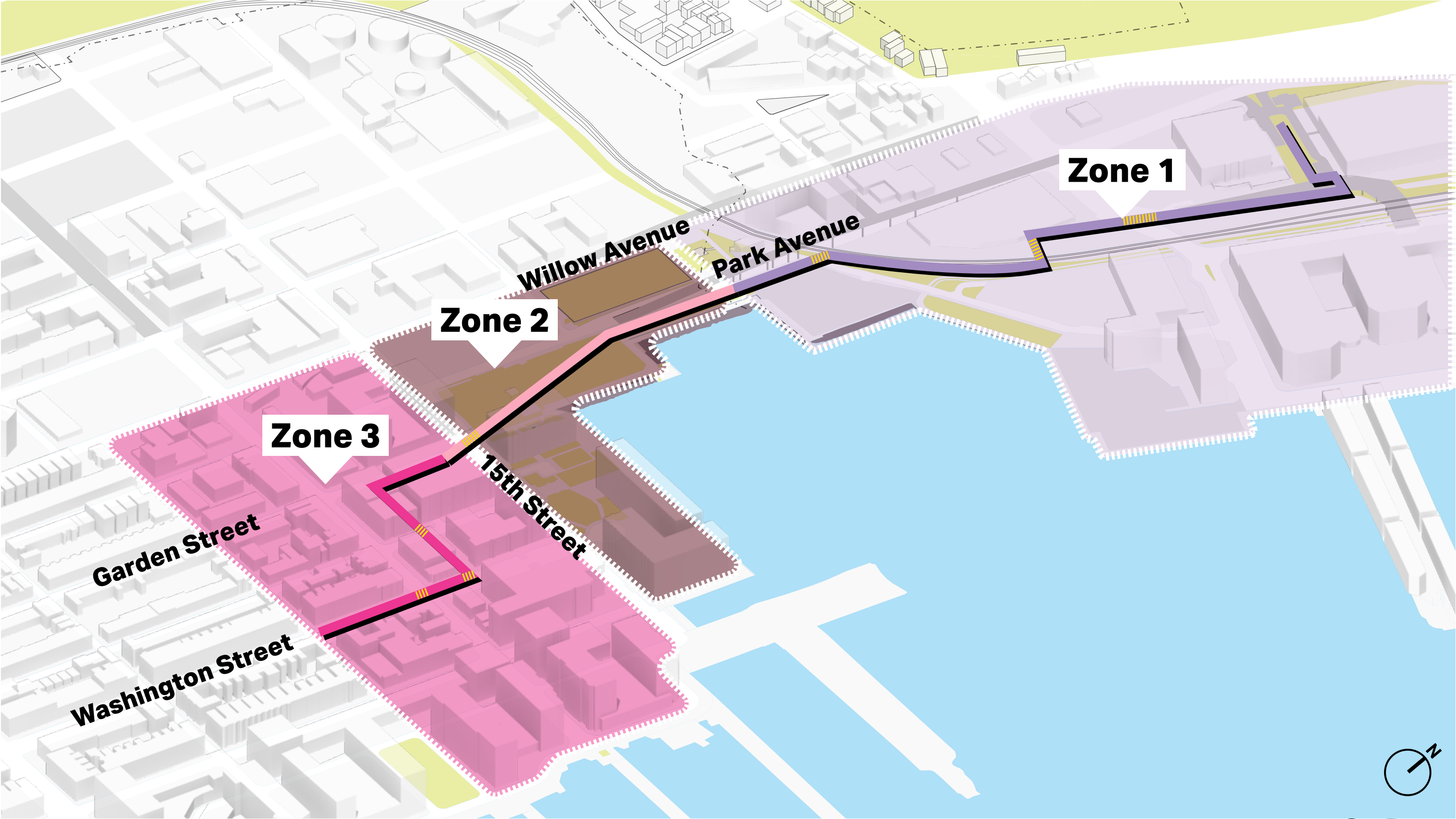
## DESIGN ZONES





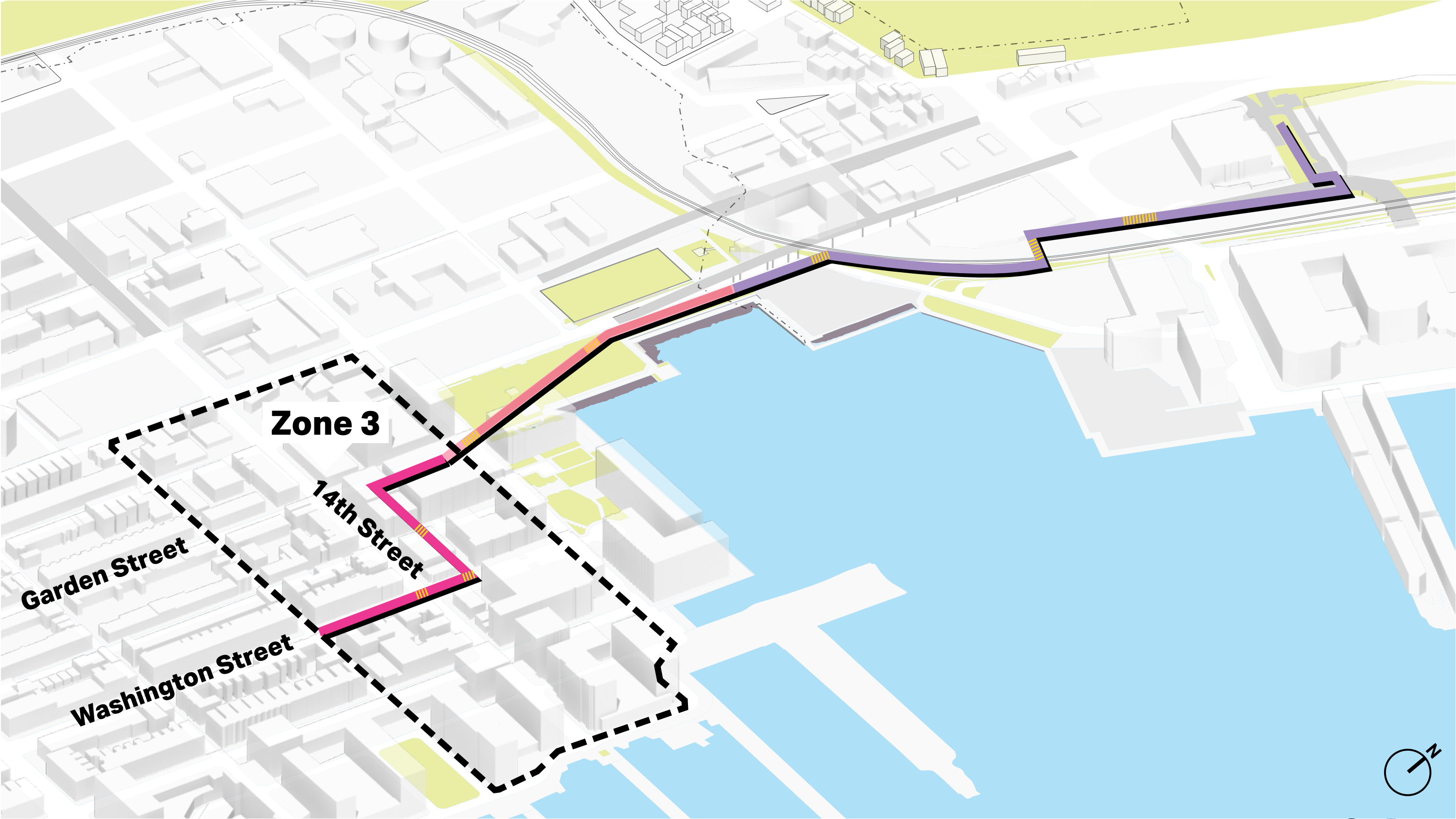
# RESIST NORTH

## DESIGN ZONES



# RESIST NORTH

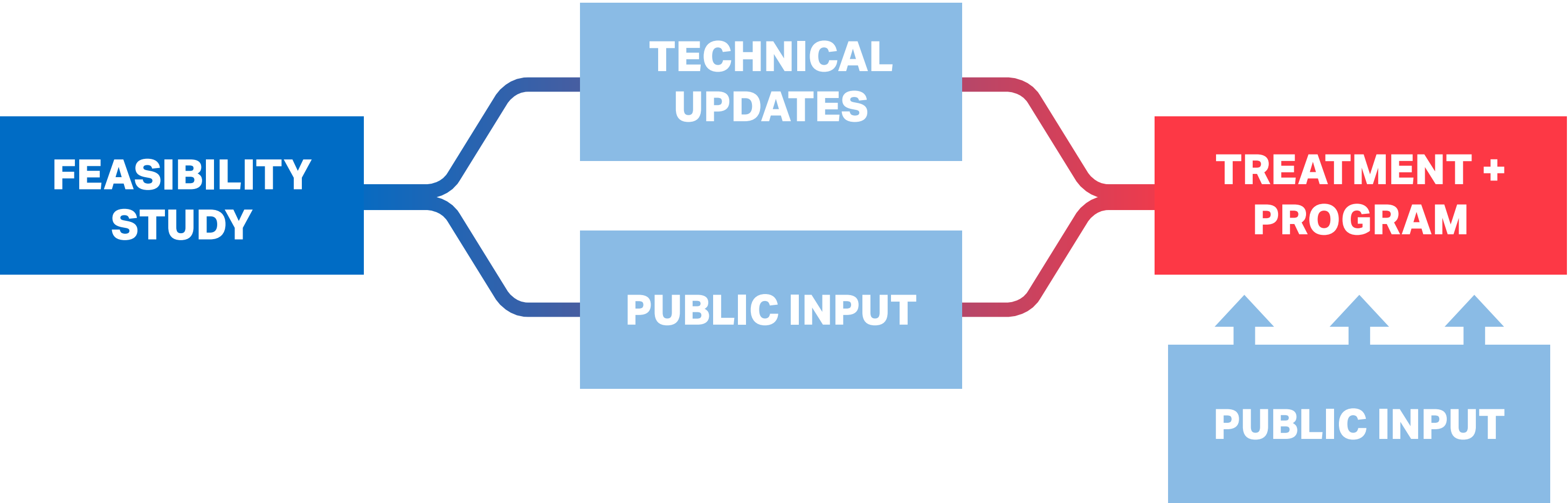
## DESIGN ZONE 3





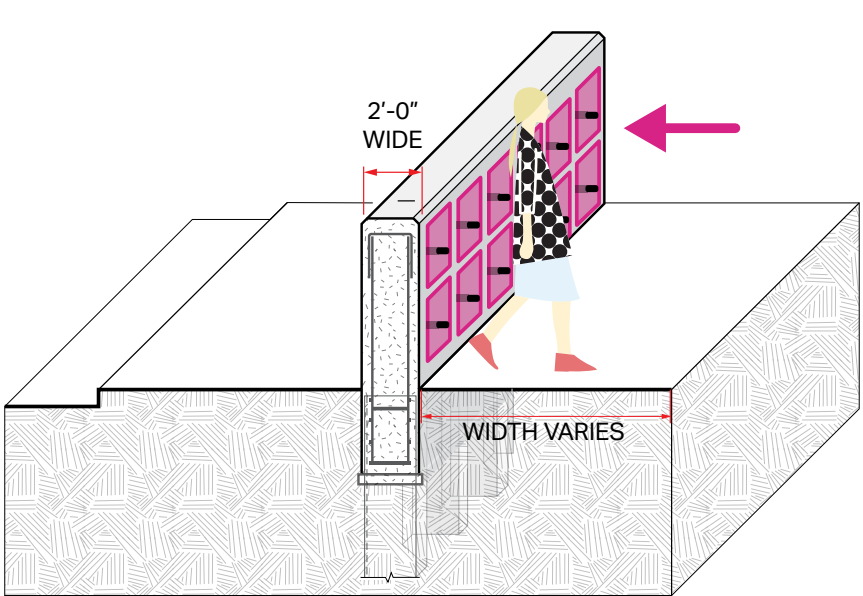
# PROJECT DRIVERS

## TECHNICAL UPDATES & PUBLIC INPUT INFORMING DESIGN DEVELOPMENT

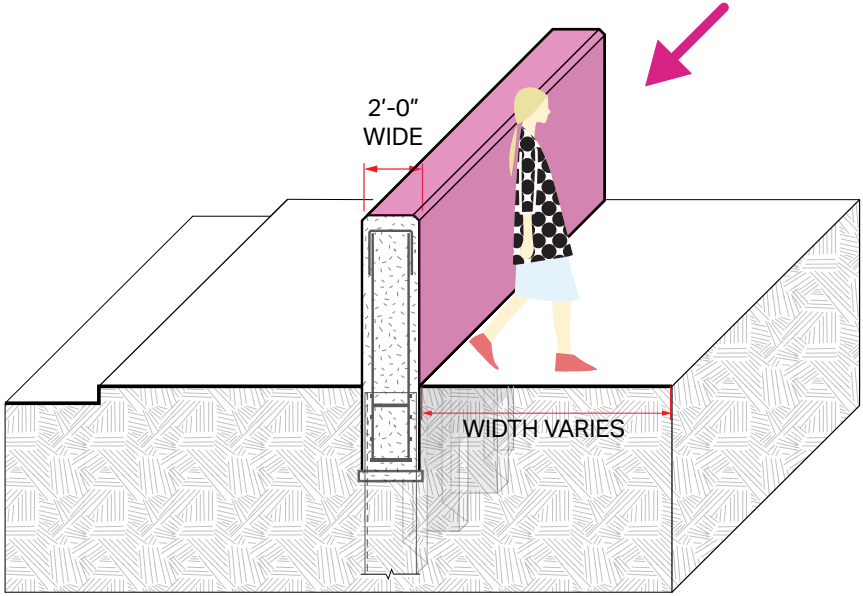


# RESIST TREATMENT METHODS

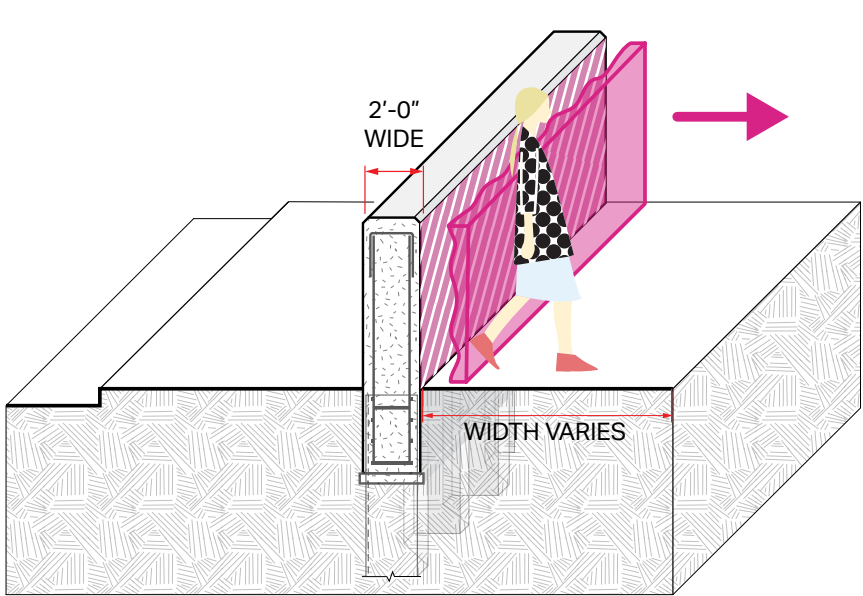
## ZONE 3 RESIST STRUCTURE



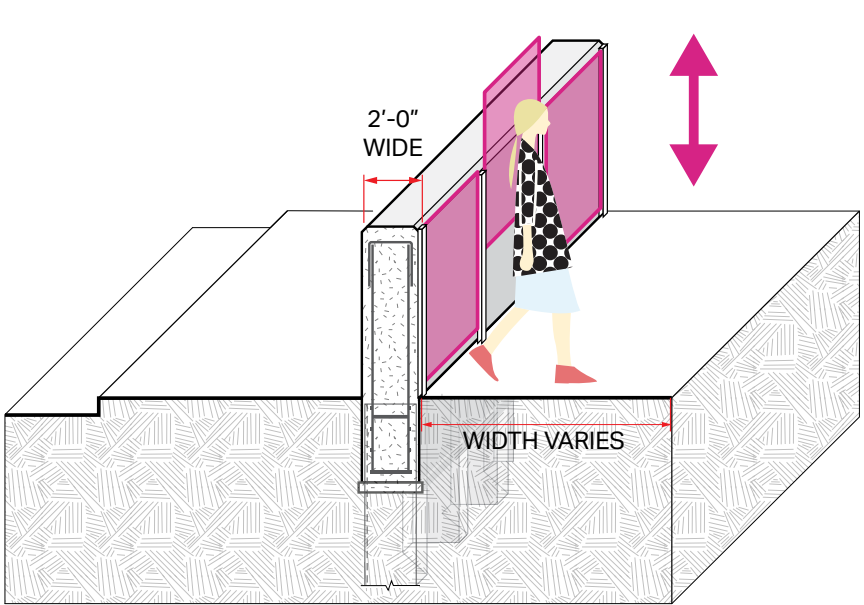
METHOD: ATTACH



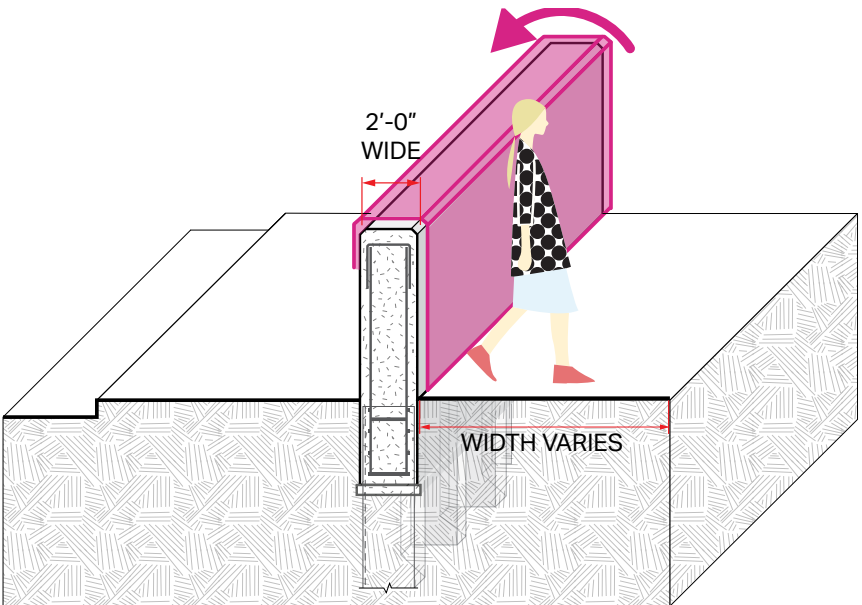
METHOD: SUPER GRAPHICS



METHOD: FORM LINER



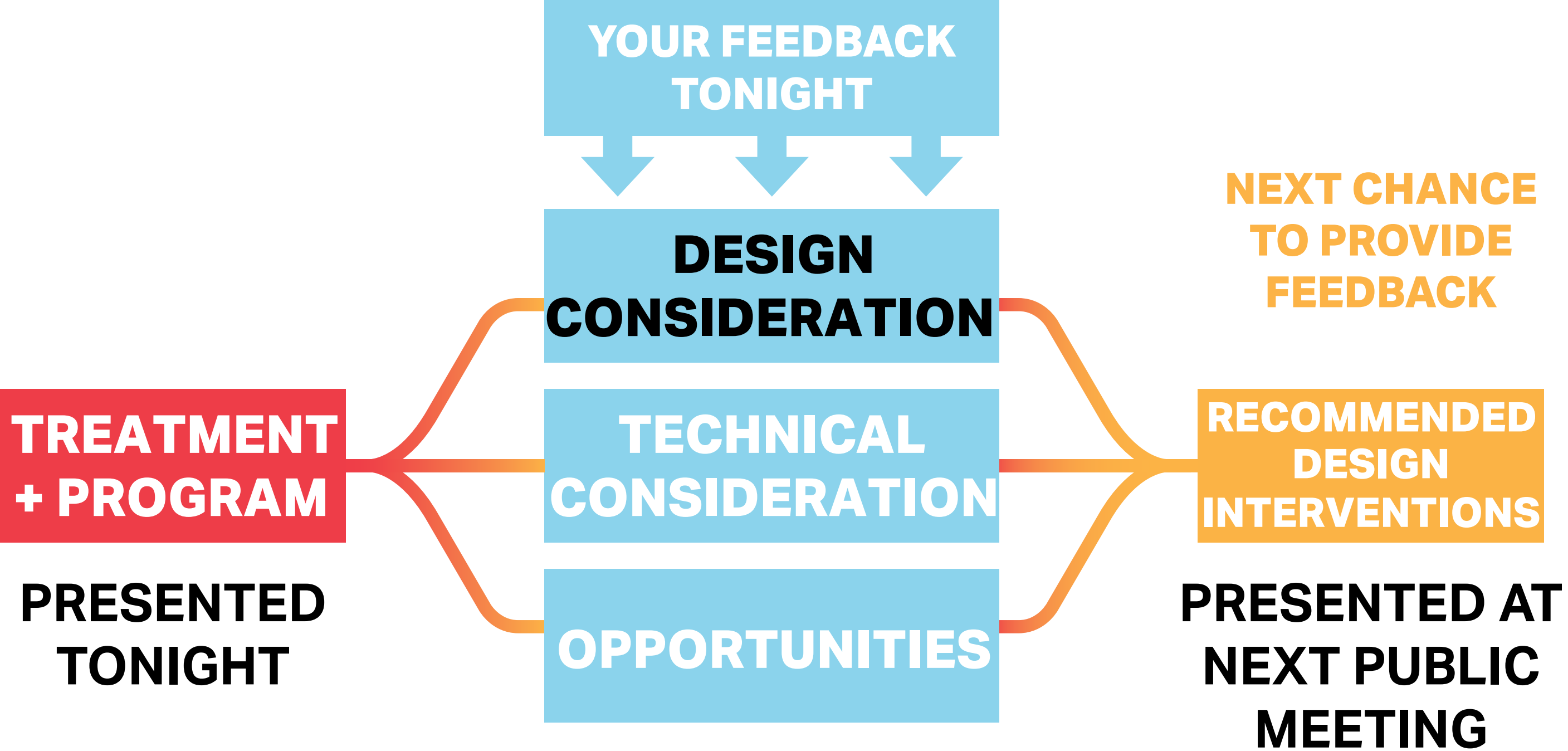
METHOD: SLIDE



METHOD: WRAP

# TONIGHT'S INPUT

## PAMPHLET DESCRIPTION



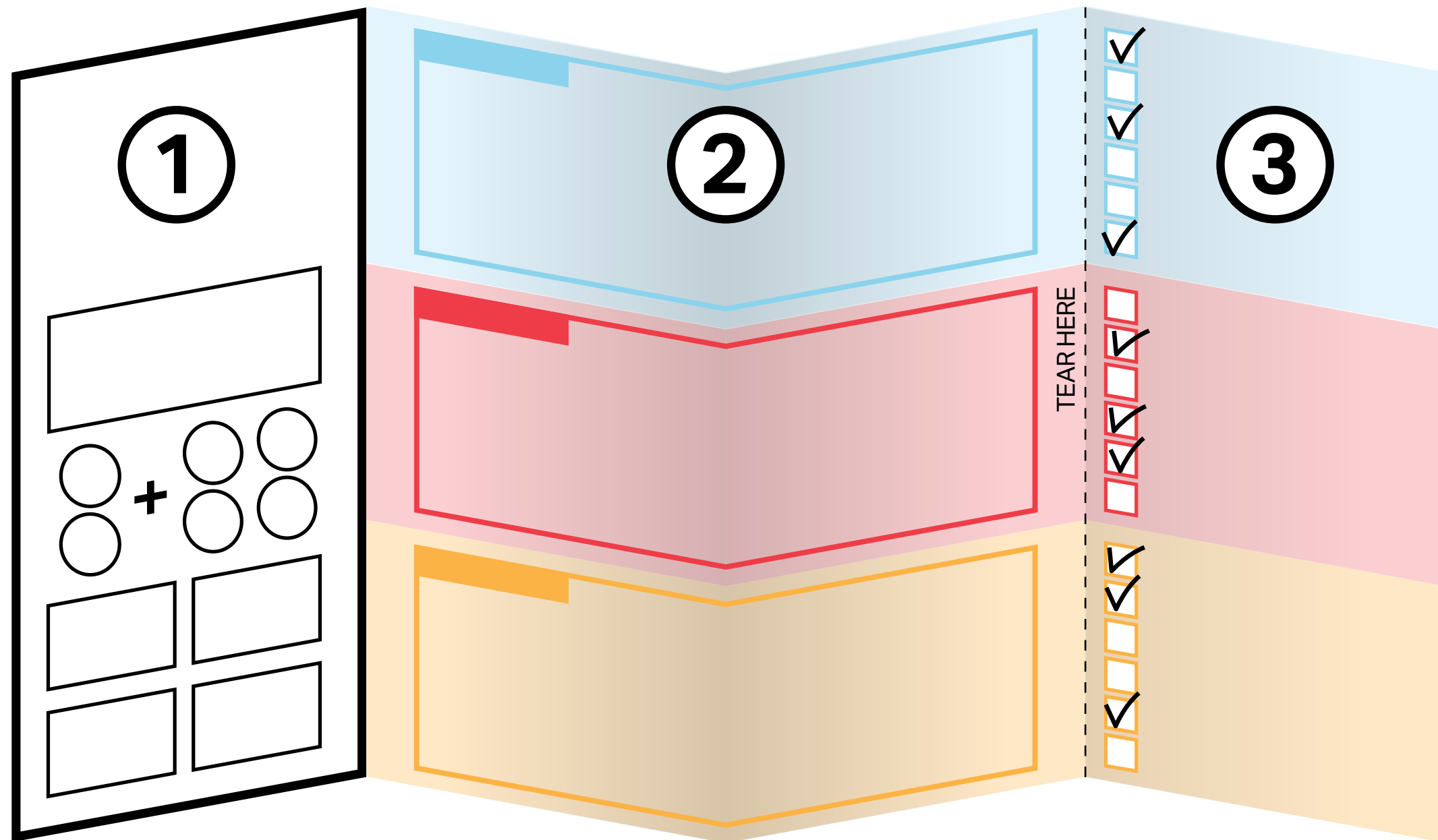


# TONIGHT'S INPUT

## PAMPHLET DESCRIPTION

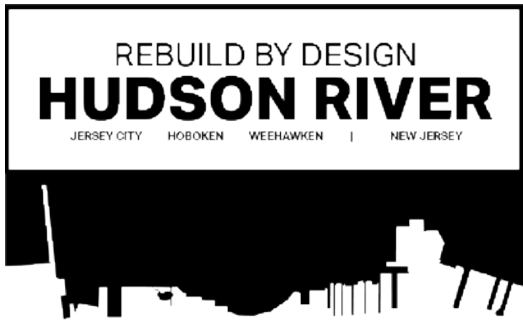
Follow along with your pamphlet:

1. Project Drivers (Technical Updated + Public Input)
2. Zone 3 Design Interventions
- 3. Preferred Key Features Feedback (Tear and hand in before leaving)**



# TONIGHT'S INPUT

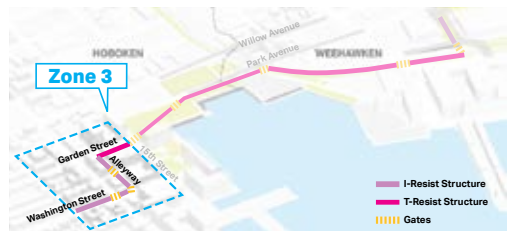
## PAMPHLET DESCRIPTION - FRONT SIDE



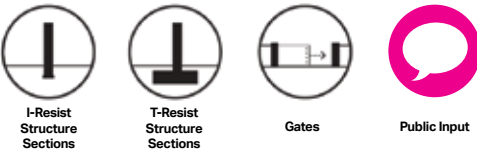
### DESIGN ZONE WORKSHOP

Zone 3 – Washington Street,  
Alleyway, Garden Street

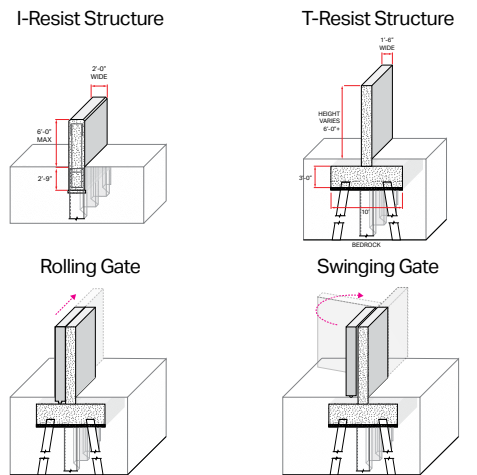
What area are we looking at tonight?



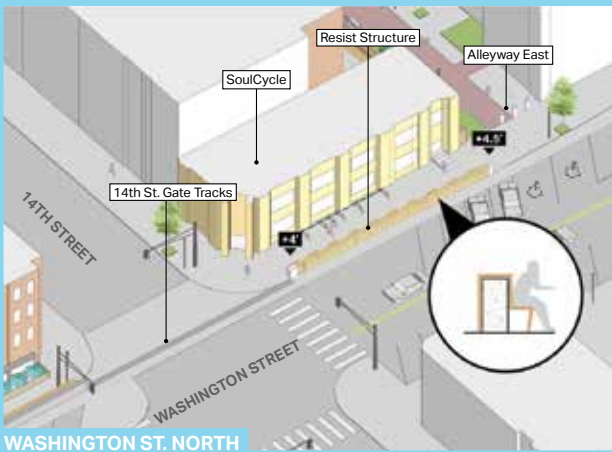
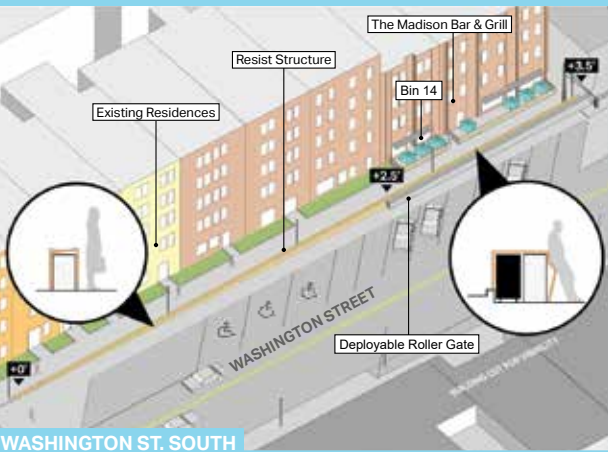
What are the main design drivers?



What are the key technical aspects found in Zone 3?



### WASHINGTON ST.

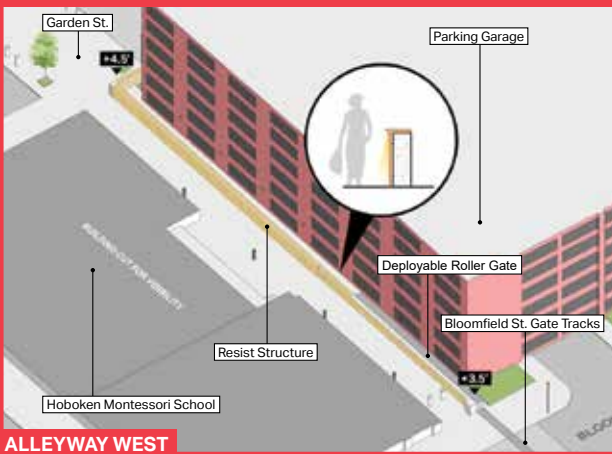


### Which key features do you like for... WASHINGTON ST.

- ☐ Maintained existing sidewalk clear width for pedestrian circulation.
- ☐ Wrapped treatment of Resist Structure with wood look and feel.
- ☐ Wrapped treatment of Resist Structure with metal look and feel.
- ☐ Treatment of Resist Structure with stone look and feel.
- ☐ Planters adjacent to SoulCycle.
- ☐ Simple seating adjacent to SoulCycle.
- ☐ Social seating adjacent to SoulCycle.
- ☐ Bike parking opportunities adjacent to SoulCycle.

Please provide additional feedback on back

### THE ALLEYWAY

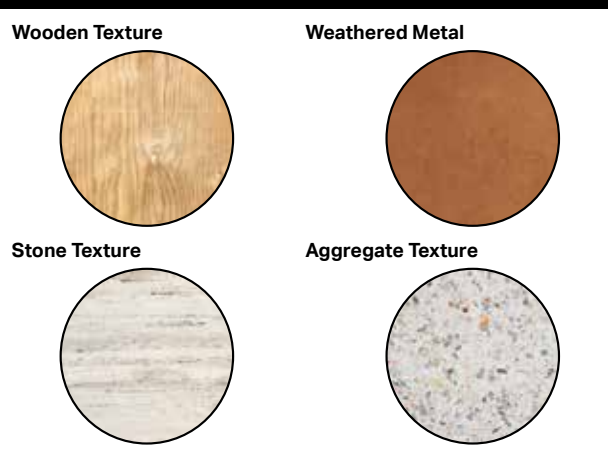


### Which key features do you like for... THE ALLEYWAY

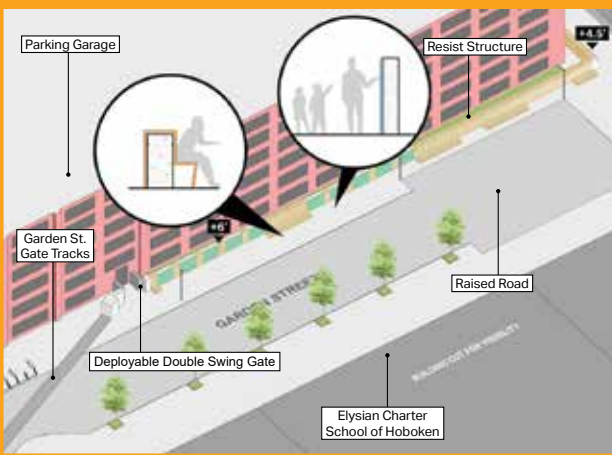
- ☐ Trellis and vine plantings in Alleyway East.
- ☐ Personal seating within Alleyway East.
- ☐ Cool downward facing security lighting in Alleyway West.
- ☐ Wrapped treatment of Resist Structure in Alleyway with wood look and feel.
- ☐ Wrapped treatment of Resist Structure in Alleyway with metal look and feel.
- ☐ Treatment of Resist Structure in Alleyway with stone look and feel.
- ☐ Adjacent plantings screening out Resist Structure in Alleyway East.
- ☐ Exclusion of any seating elements within Alleyway West, maintaining a pass-through nature of the space.

Please provide additional feedback on back

### ZONE 3 – TEXTURE OPTIONS



### GARDEN ST.



### Which key features do you like for... GARDEN ST.

- ☐ Wrapped treatment of Resist Structure with wood look and feel.
- ☐ Wrapped treatment of Resist Structure with metal look and feel.
- ☐ Treatment of Resist Structure with stone look and feel.
- ☐ Informal seating near farmers market and school entrances.
- ☐ Educational panels that could be changed over time near school and park entrances.
- ☐ Signage opportunities associated with farmers market and/or new Cove Park.
- ☐ Opportunities for murals that could be changed over time.
- ☐ Maintained existing sidewalk clear width for pedestrian circulation.

Please provide additional feedback on back

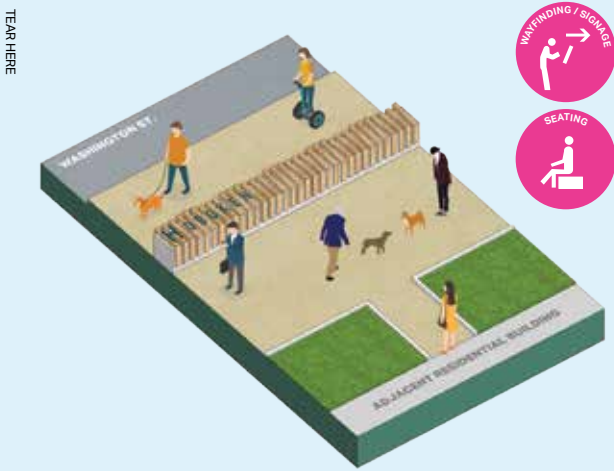


# TONIGHT'S INPUT

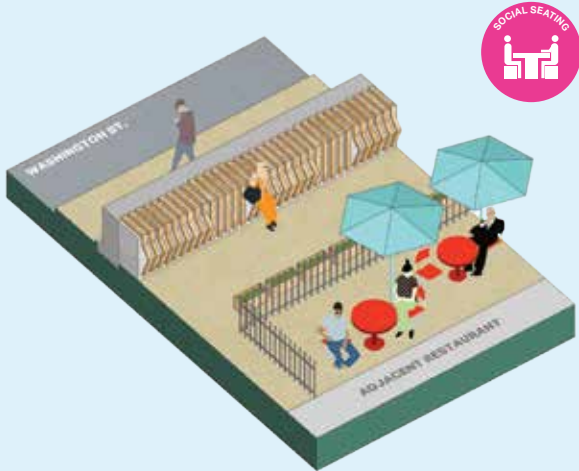
## PAMPHLET DESCRIPTION - BACK SIDE

What are your thoughts about...  
**WASHINGTON ST.**

Thank you for your feedback!



0' – 2.5' Height



2.5' – 3.5' Height



Texture Option\*

\*Not all finish are reflected in vignettes shown on this pamphlet. Final finish types and location of finish types is still being evaluated.

What are your thoughts about...  
**THE ALLEYWAY**

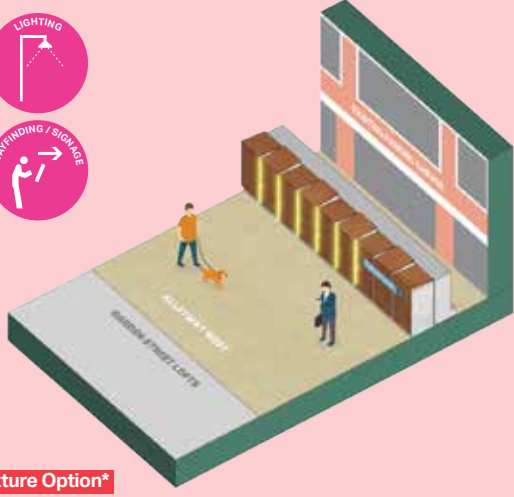
Thank you for your feedback!



4' Height (+ Raised Screen)



4' Height (+ Canopy)



Texture Option\*

\*Not all finish are reflected in vignettes shown on this pamphlet. Final finish types and location of finish types is still being evaluated.

What are your thoughts about...  
**GARDEN ST.**

Thank you for your feedback!



4.5' – 6' Height



4.5' – 6' Height



Texture Option\*

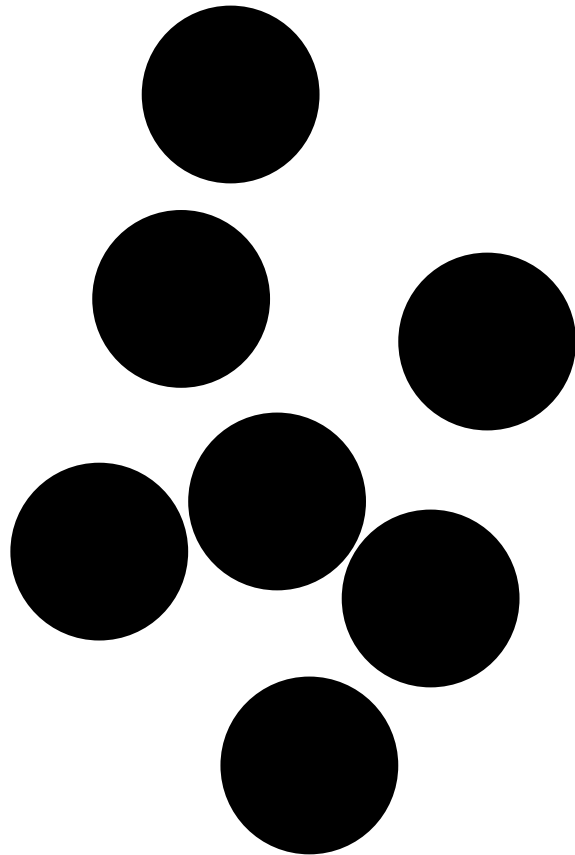
\*Not all finish are reflected in vignettes shown on this pamphlet. Final finish types and location of finish types is still being evaluated.

# PUBLIC INPUT

# COMMUNITY ENGAGEMENT RECAP

## PREVIOUS ACTIVITY MATERIALS

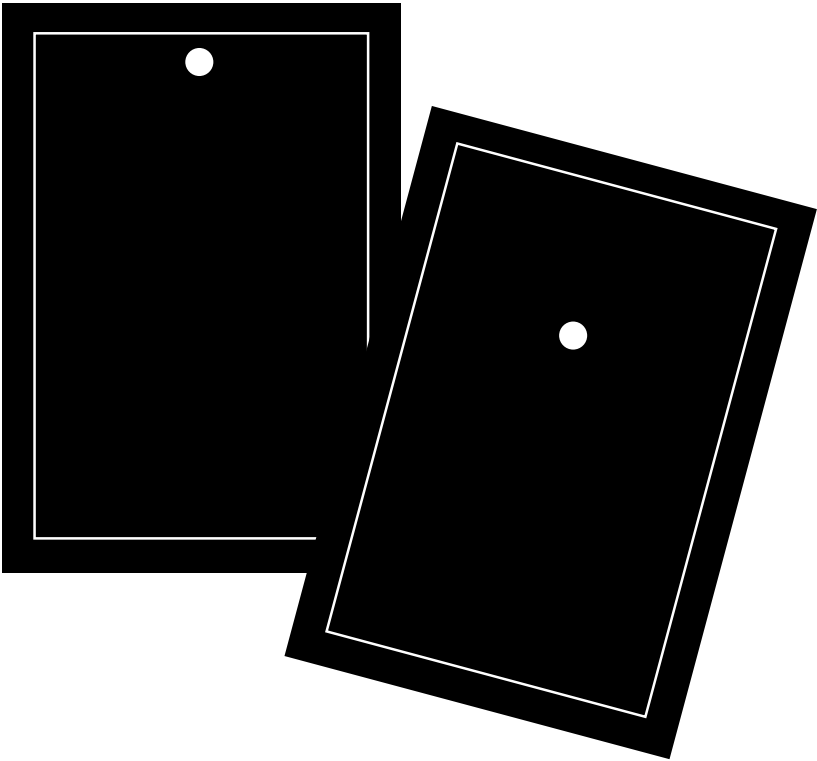
### Public Meeting #1



Stickers

848 Sticker Responses

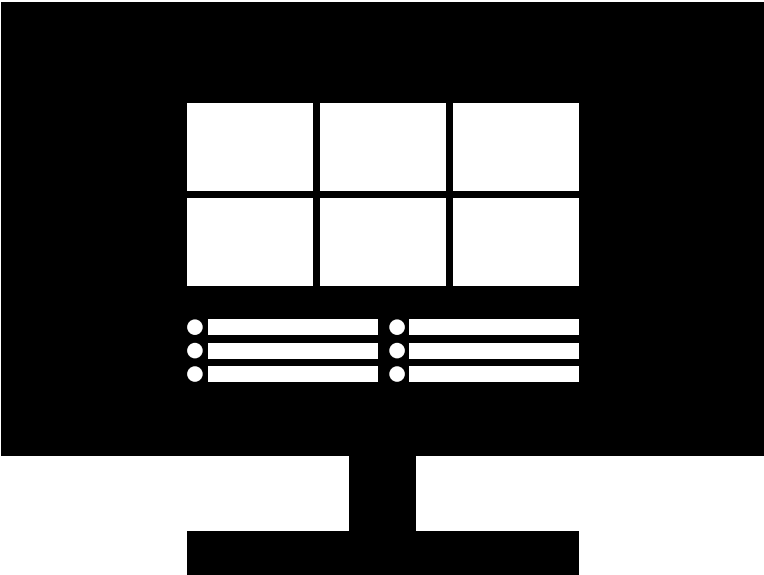
### Design Zone Workshop #1



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 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 - HOBOKEN NEIGHBORHOOD EXPERIENCE



# COMMUNITY ENGAGEMENT RECAP

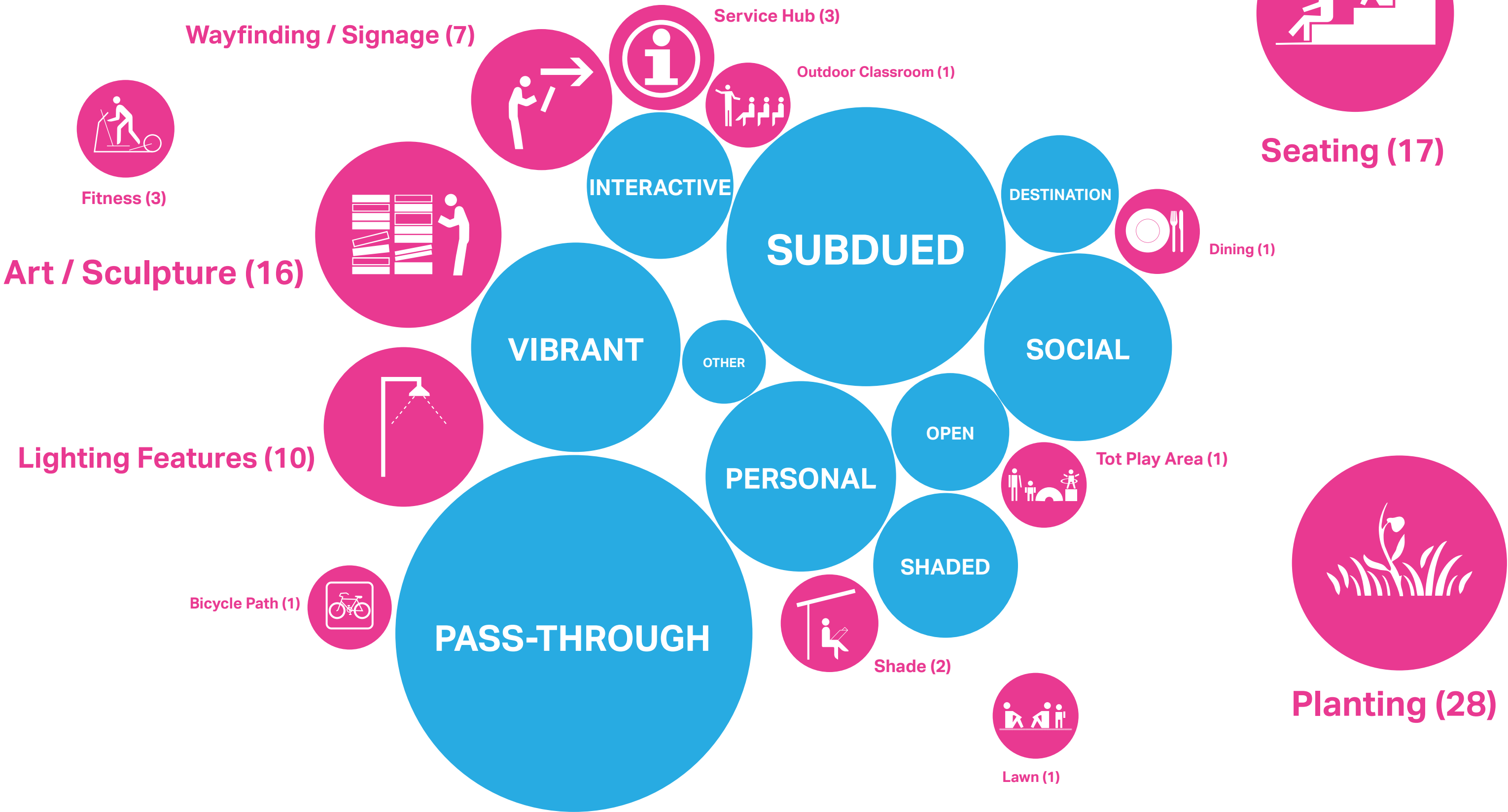
## UNIQUE EXPERIENCES - HOBOKEN NEIGHBORHOOD EXPERIENCE





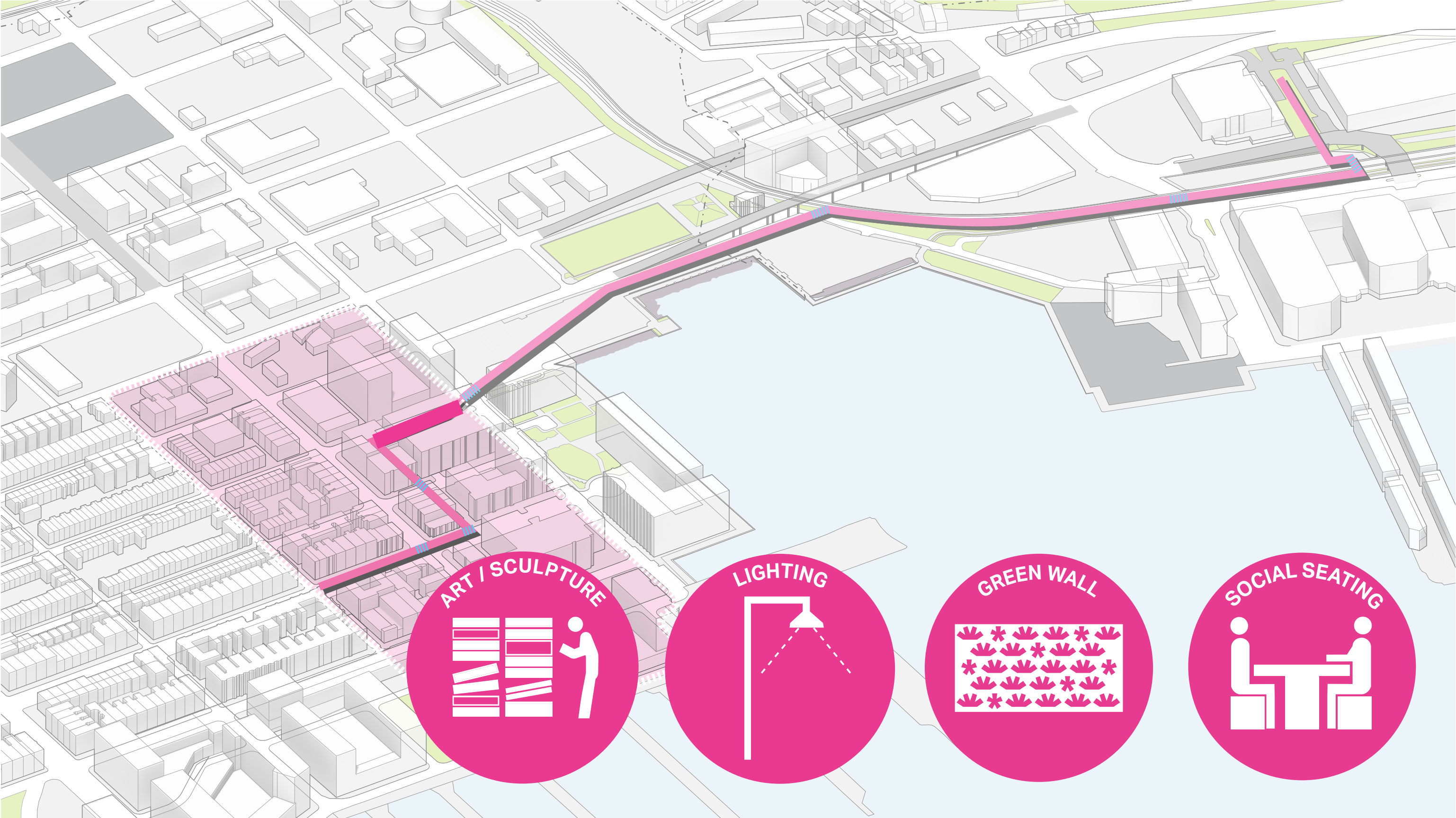
# PUBLIC INPUT TAKEAWAYS

## ZONE 3



# PUBLIC INPUT TAKEAWAYS

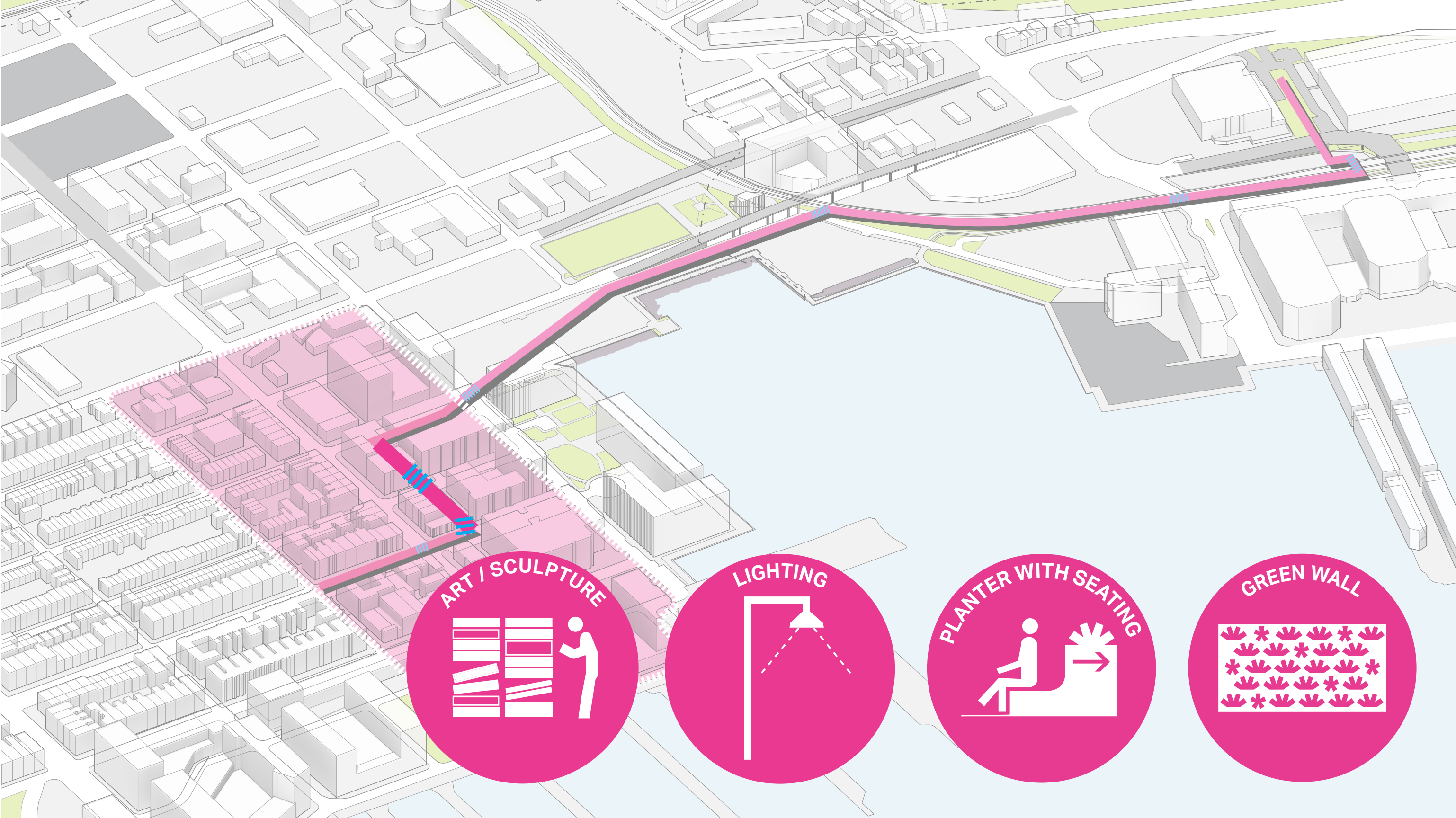
## ZONE 3 - GARDEN STREET





# PUBLIC INPUT TAKEAWAYS

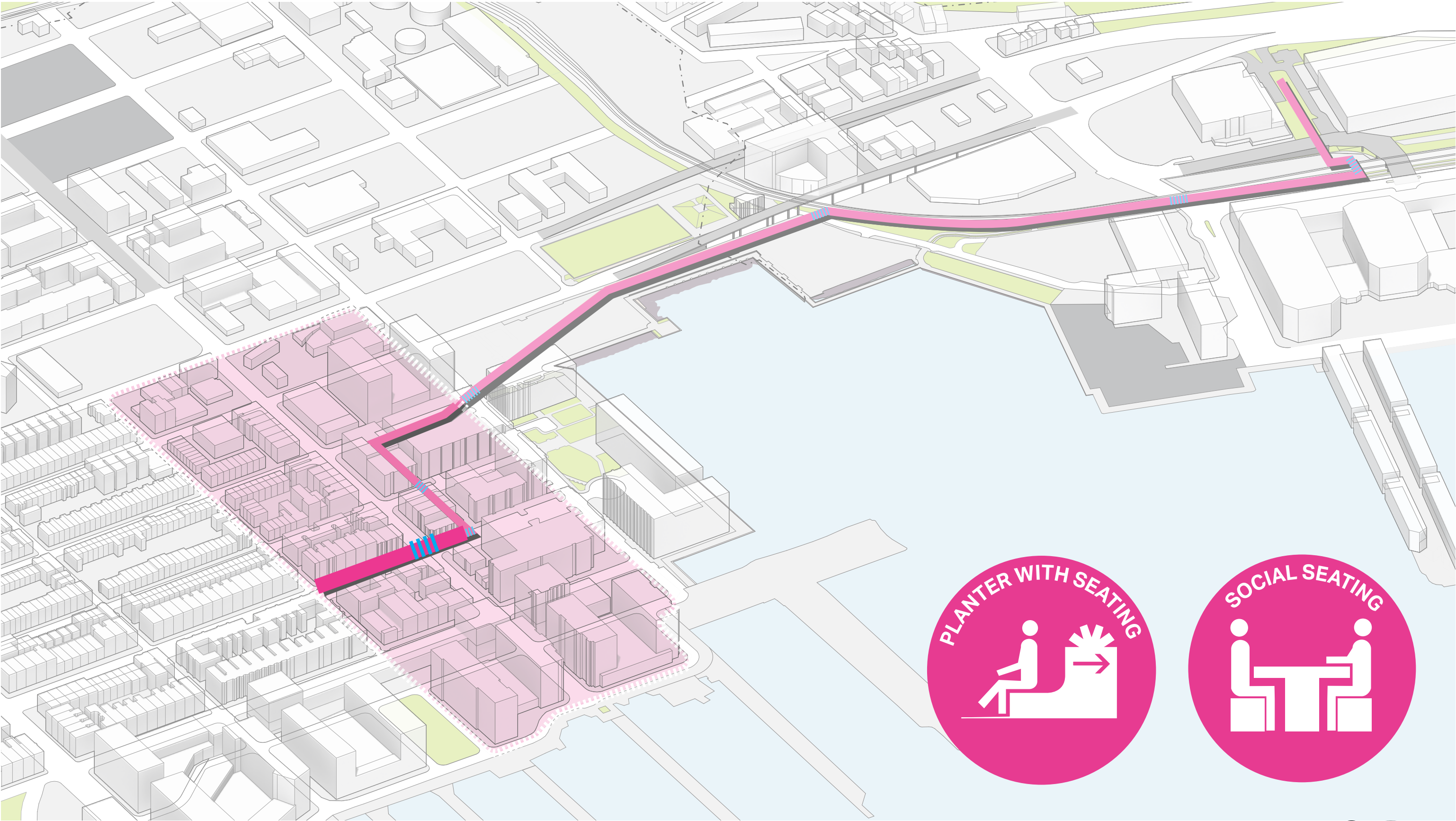
## ZONE 3 - ALLEYWAYS





# PUBLIC INPUT TAKEAWAYS

## ZONE 3 - WASHINGTON STREET



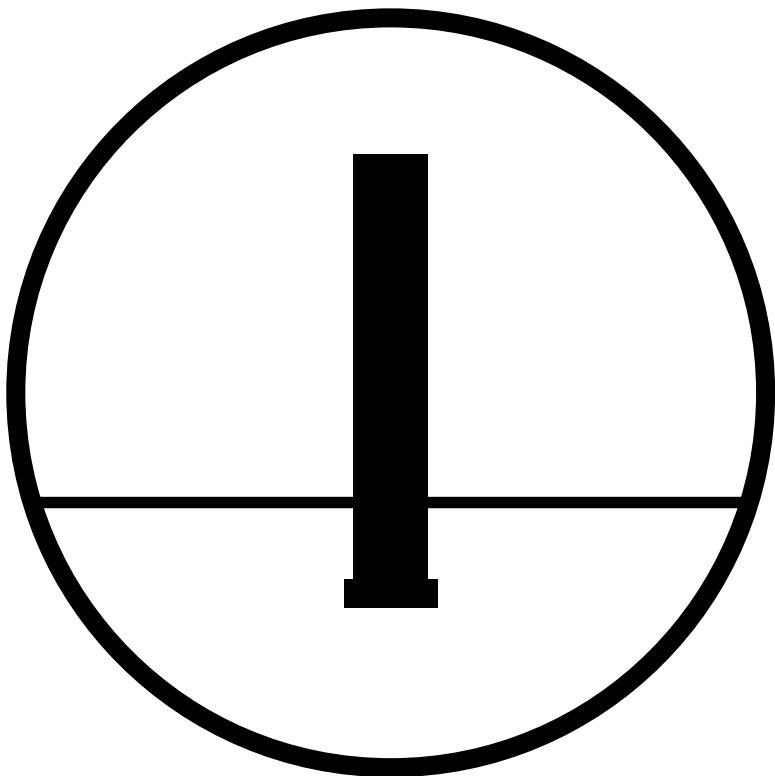


# TECHNICAL DRIVERS

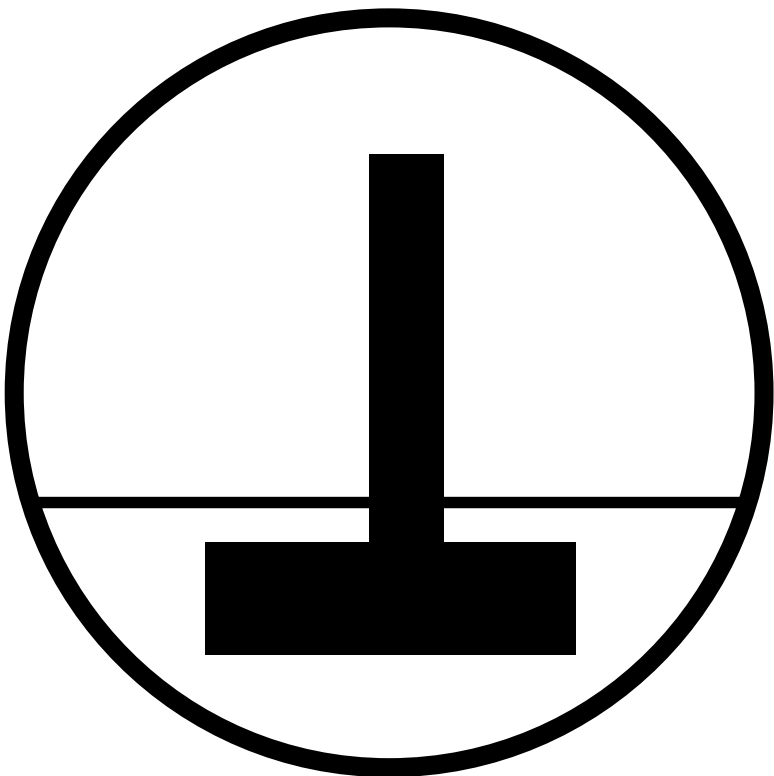
# TECHNICAL DRIVERS

## RESIST STRUCTURE - COVE PARK

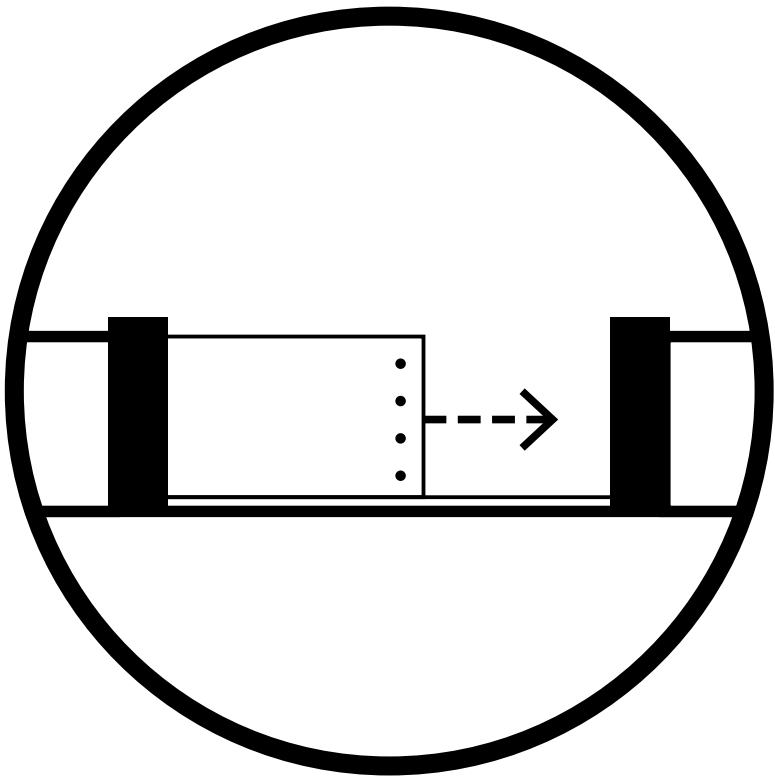
Resist Structure design within Cove Park will include:



I-Resist Structure Sections



T-Resist Structure Sections



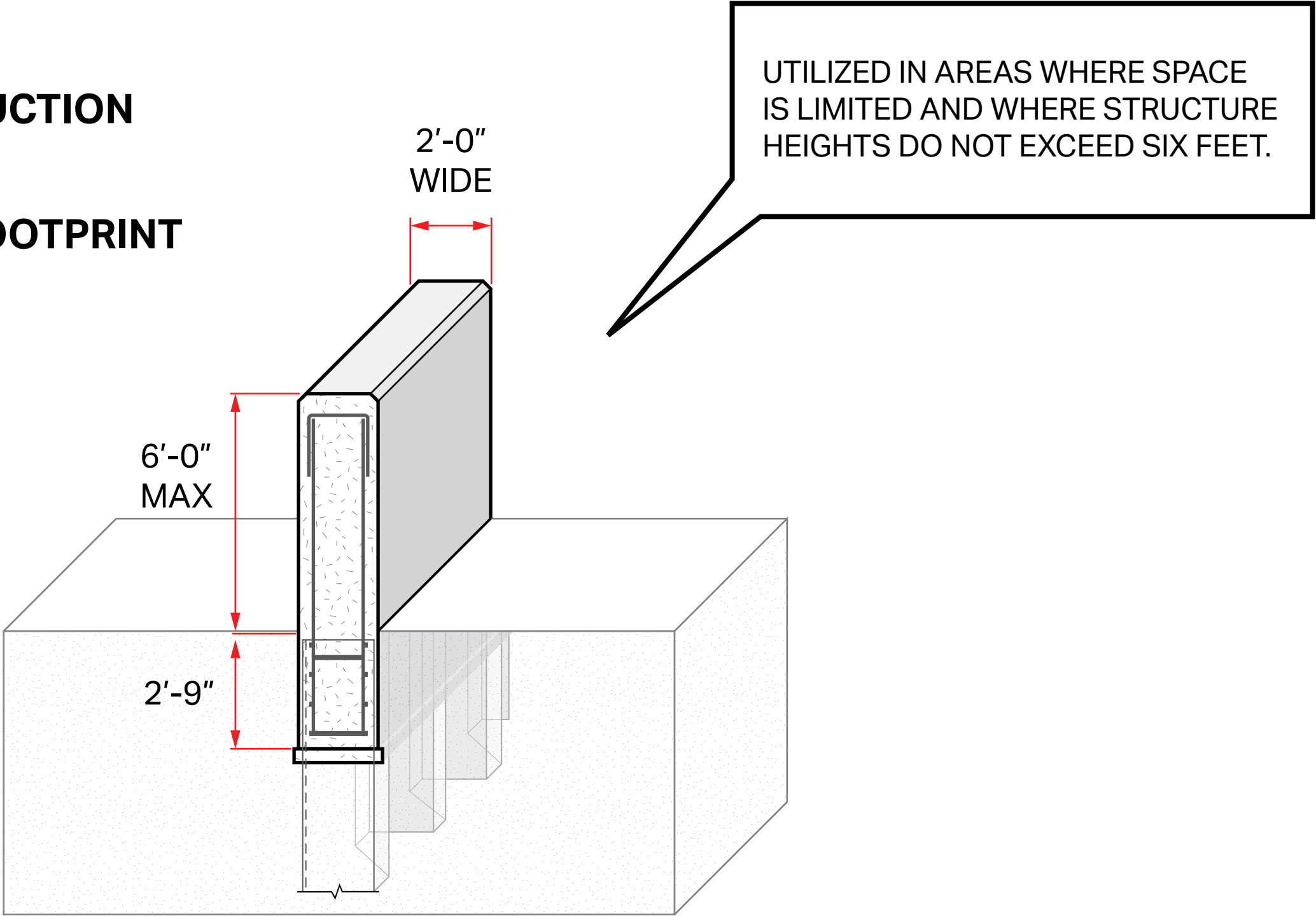
Gates



# TECHNICAL UPDATES

## CONVENTIONAL I-RESIST STRUCTURE SECTION (ALLEYWAY + WASHINGTON ST)

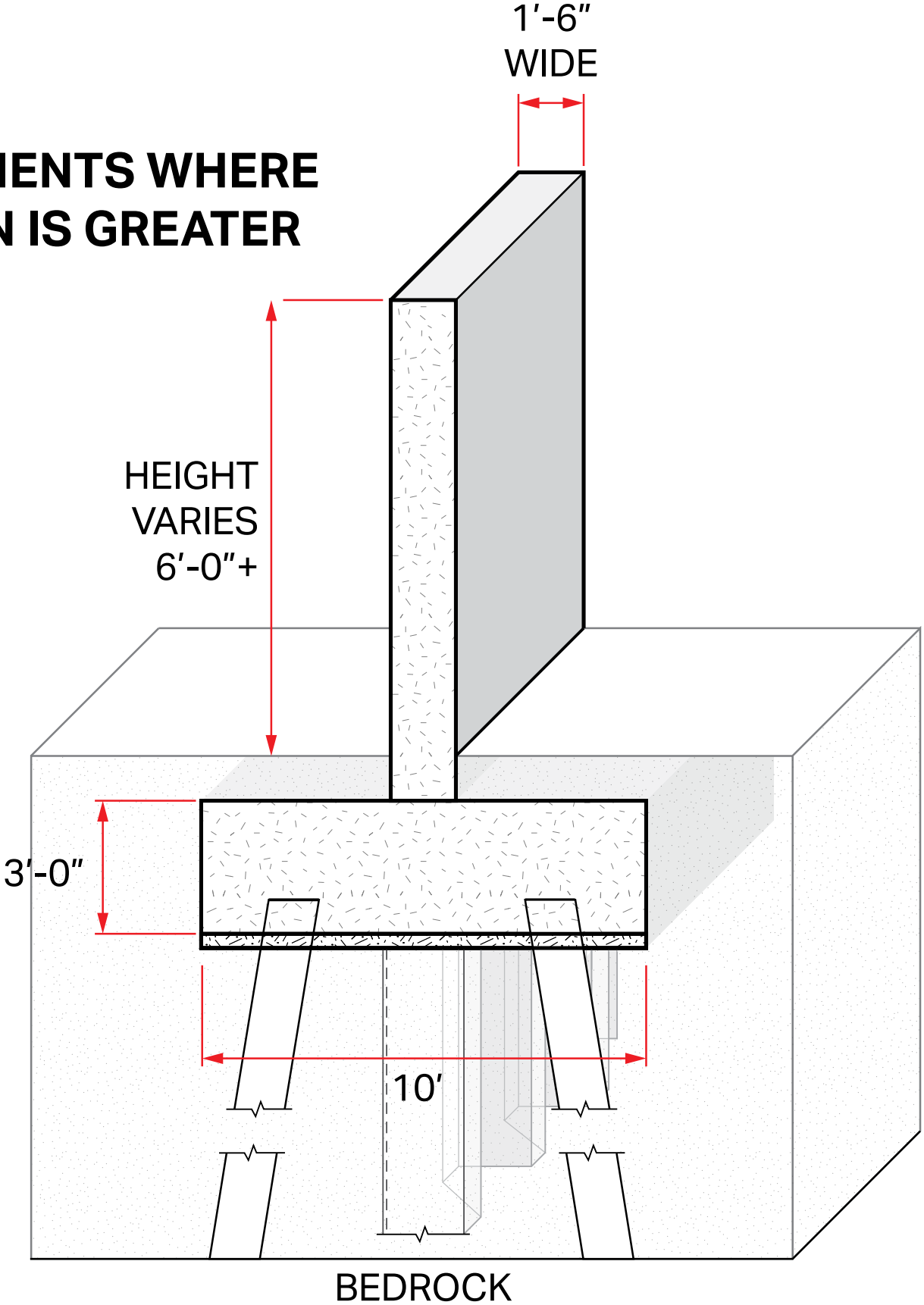
- + COST-EFFICIENT CONSTRUCTION
- + REDUCED STRUCTURAL FOOTPRINT



# TECHNICAL UPDATES

## T-RESIST STRUCTURE SECTION (WEEHAWKEN + COVE PARK)

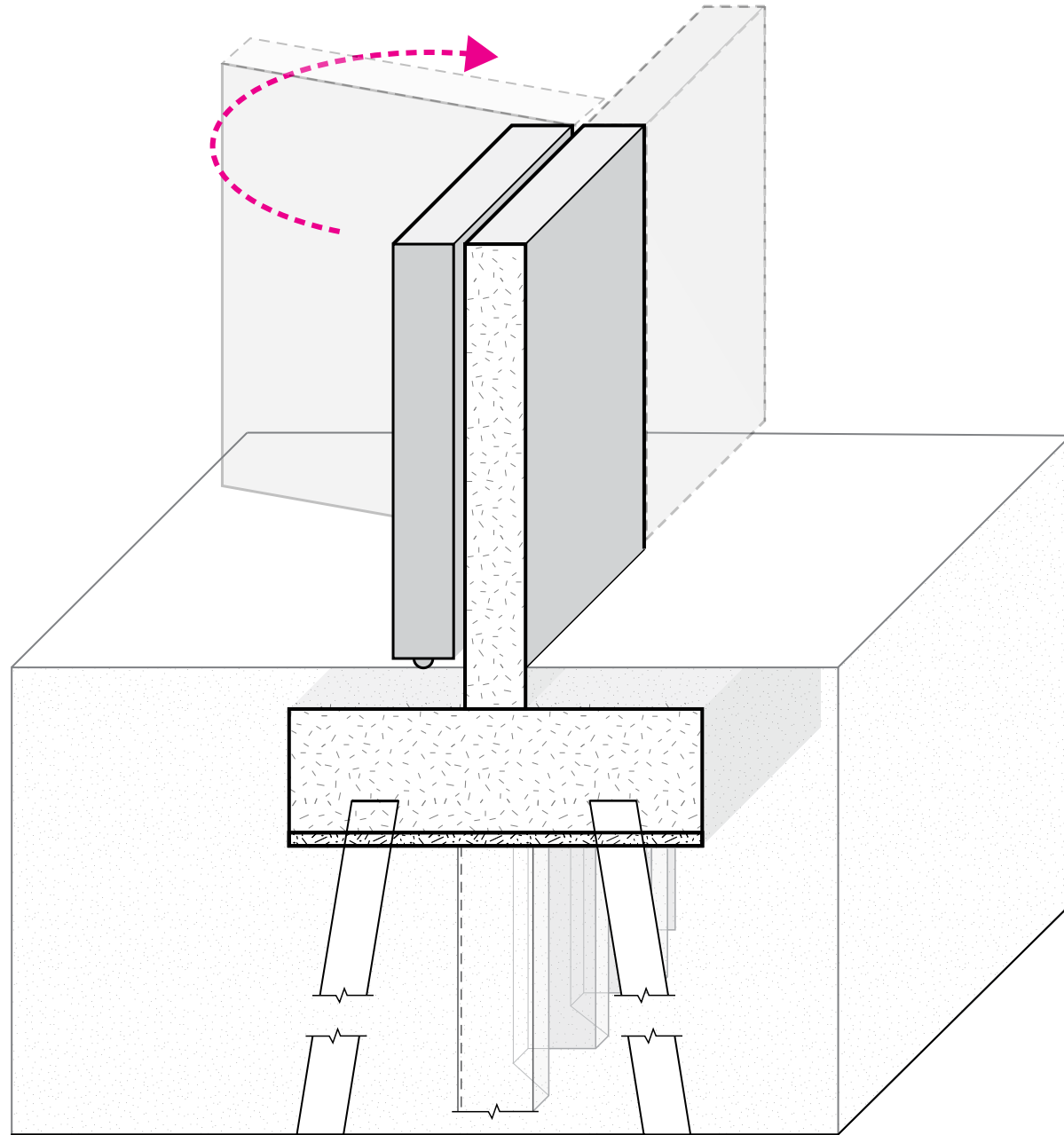
**+ MEETS DESIGN REQUIREMENTS WHERE HEIGHT OF INTERVENTION IS GREATER THAN 6 FEET.**



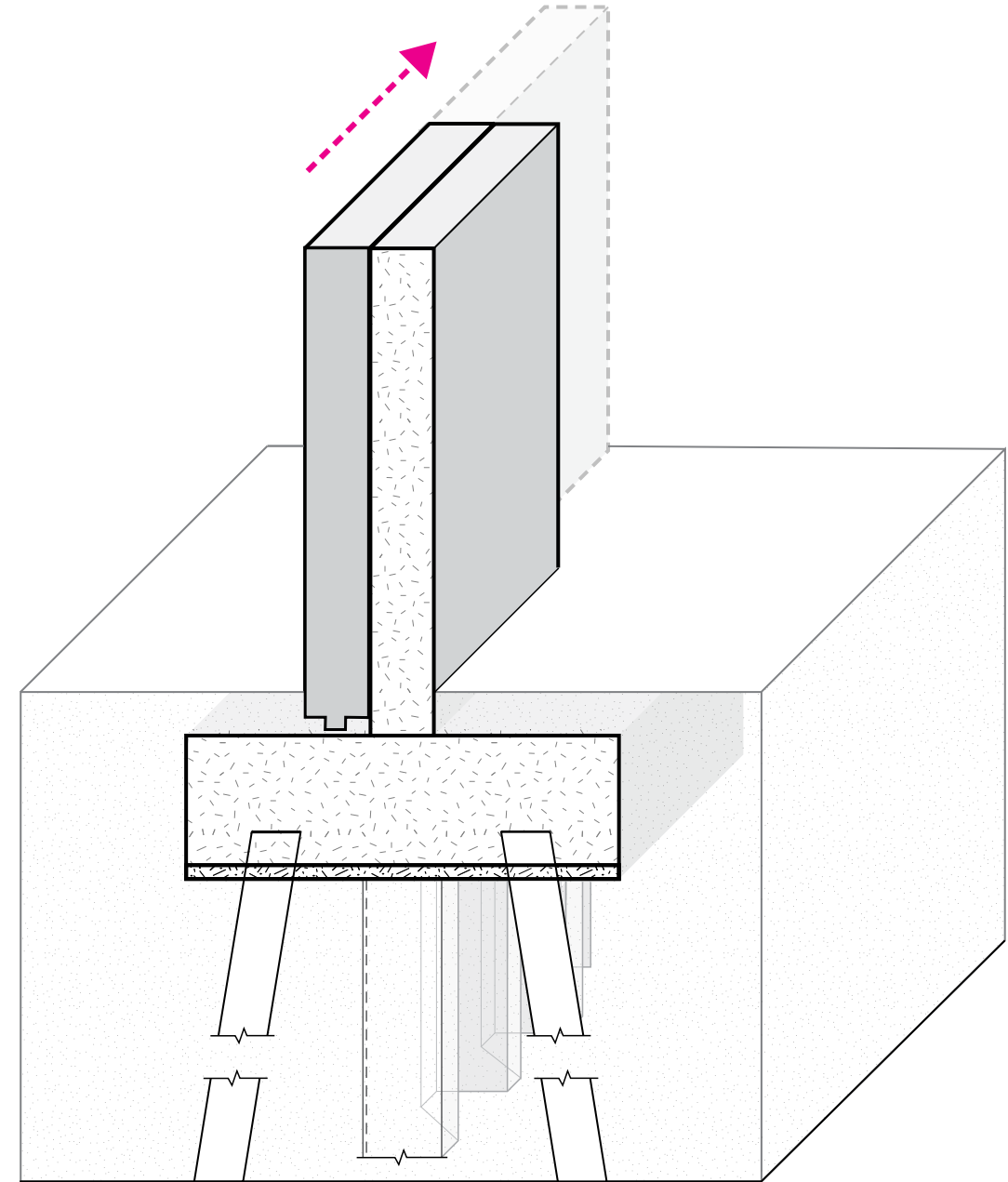


# TECHNICAL UPDATES

## DEPLOYABLE GATES UNDER INVESTIGATION



**Swing Gate**

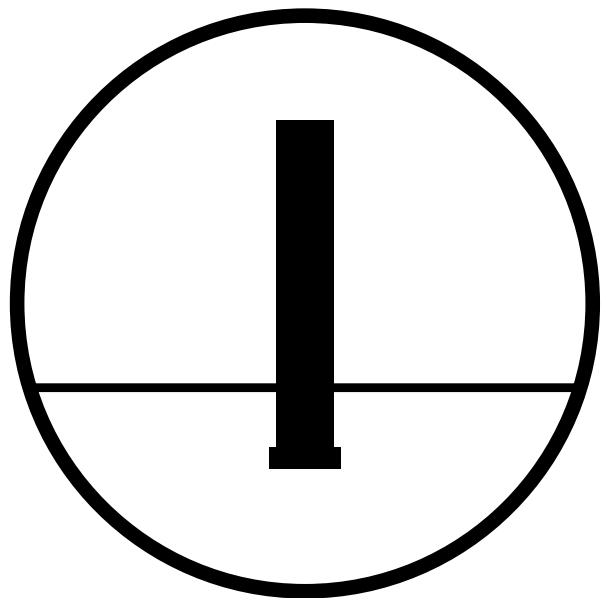


**Roller Gate**

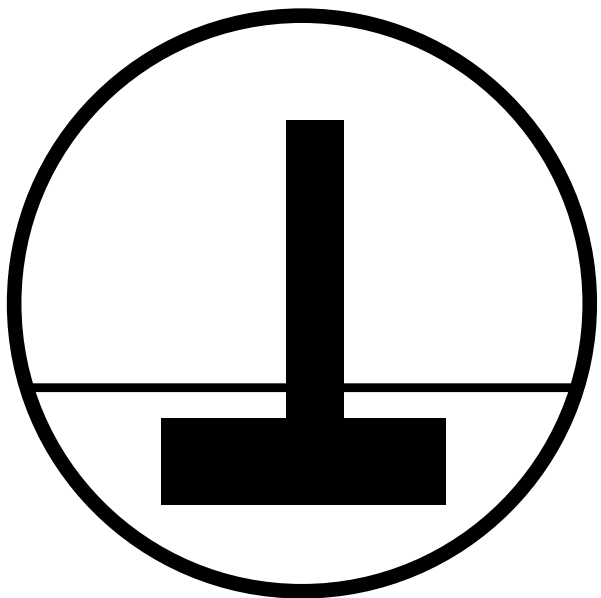
Gates are supported similar to T-Resist structure on a structural foundation and piles.

# ZONE 3

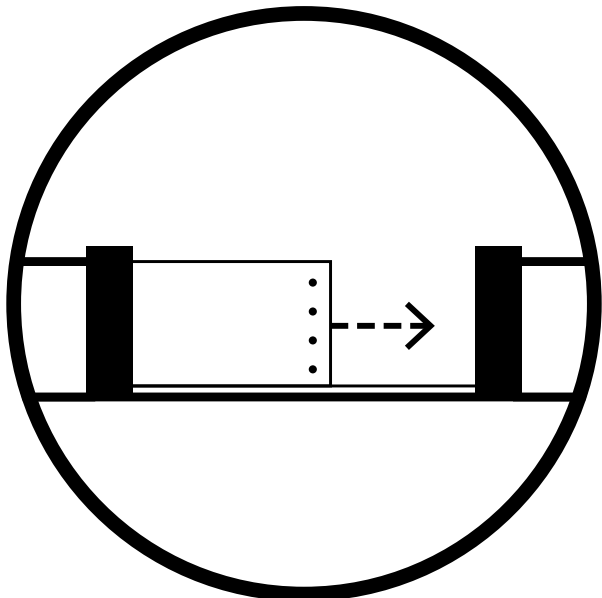
## TECHNICAL DRIVERS + COMMUNITY INPUT DRIVING DESIGN



I-Resist Structure



T-Resist Structure



Gates



Community Input

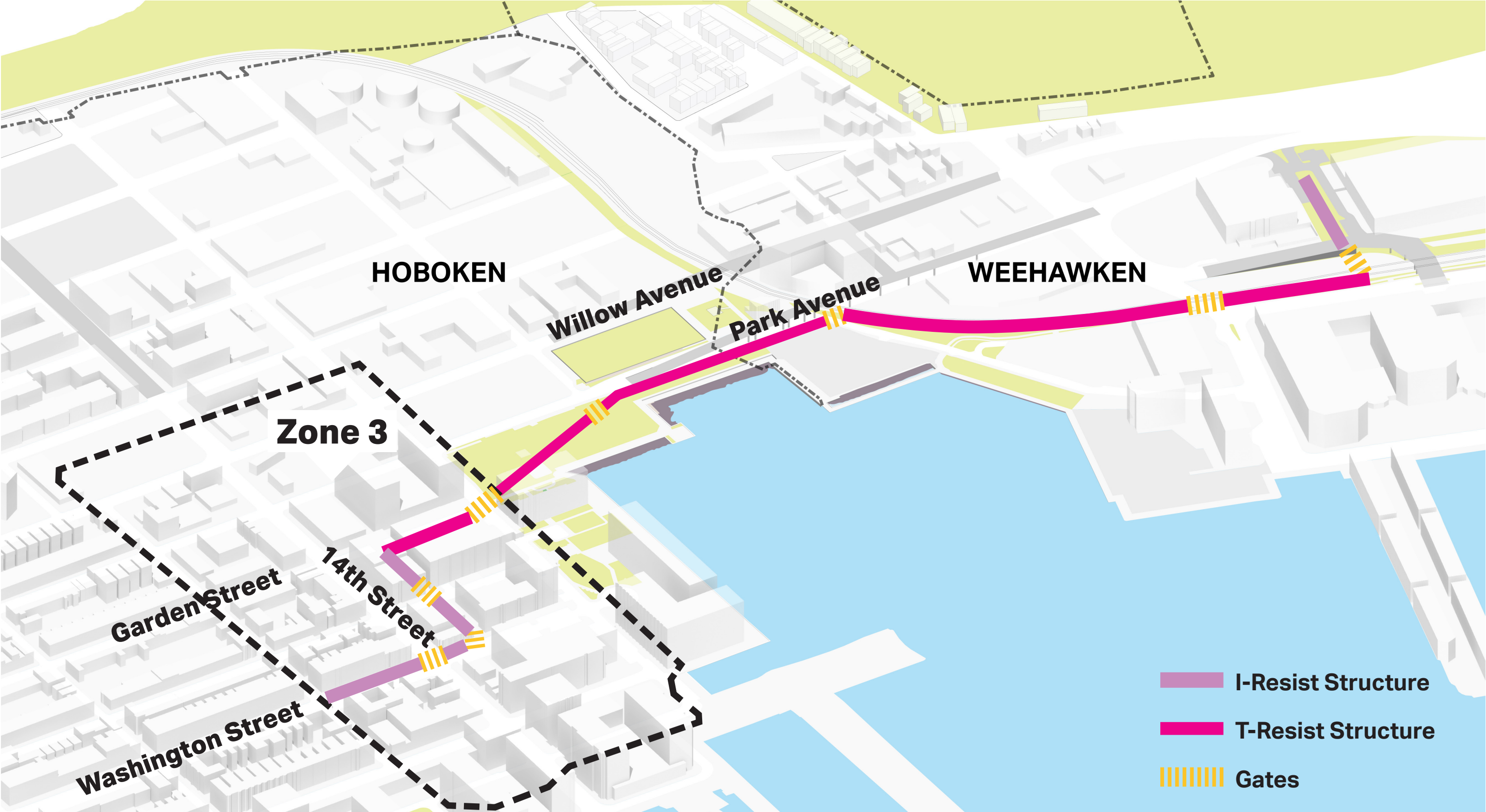


# DESIGN UPDATE



# TECHNICAL DRIVERS

## OVERALL NORTH RESIST ALIGNMENT

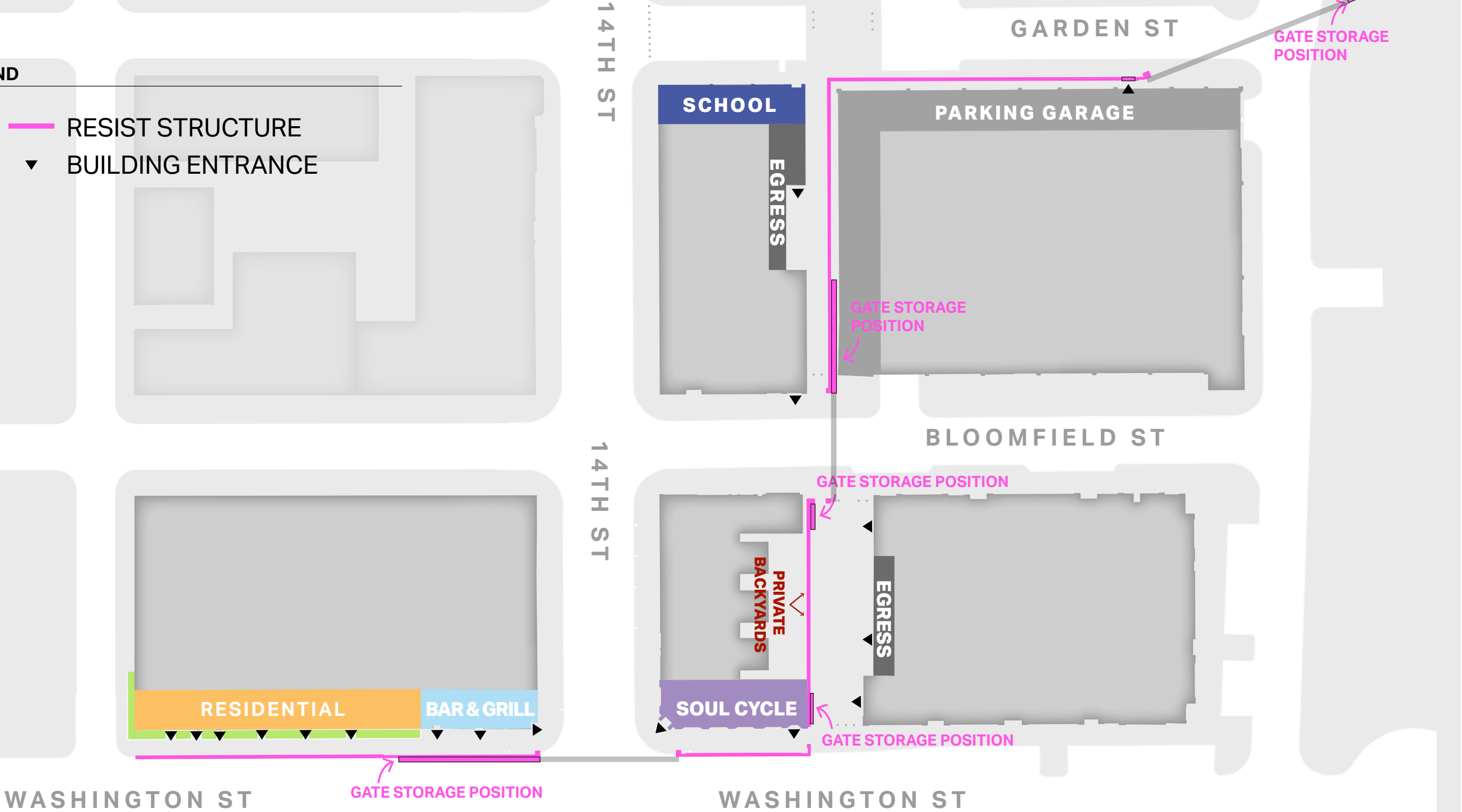




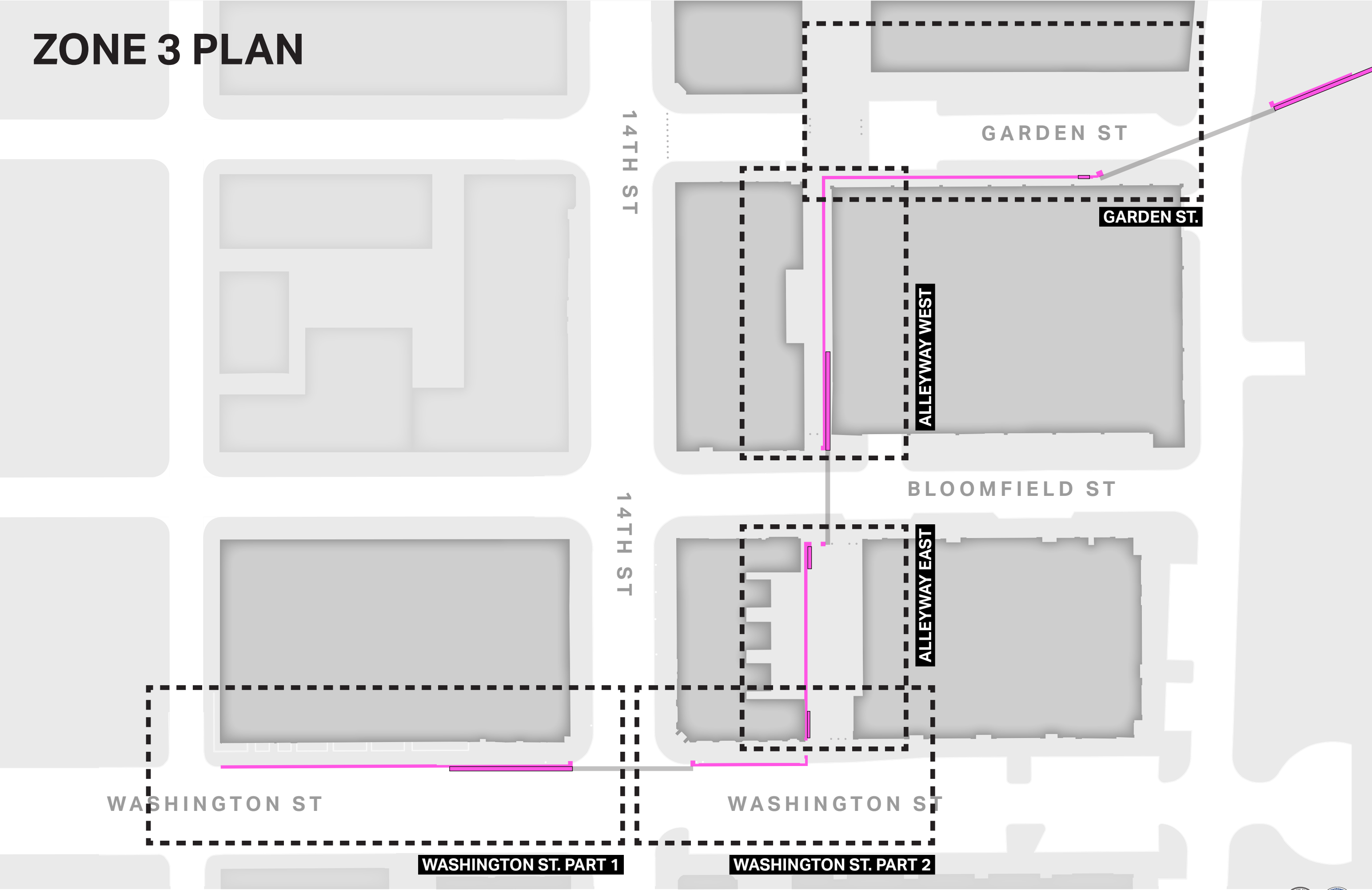
# ZONE 3 PLAN

LEGEND

- RESIST STRUCTURE
- BUILDING ENTRANCE



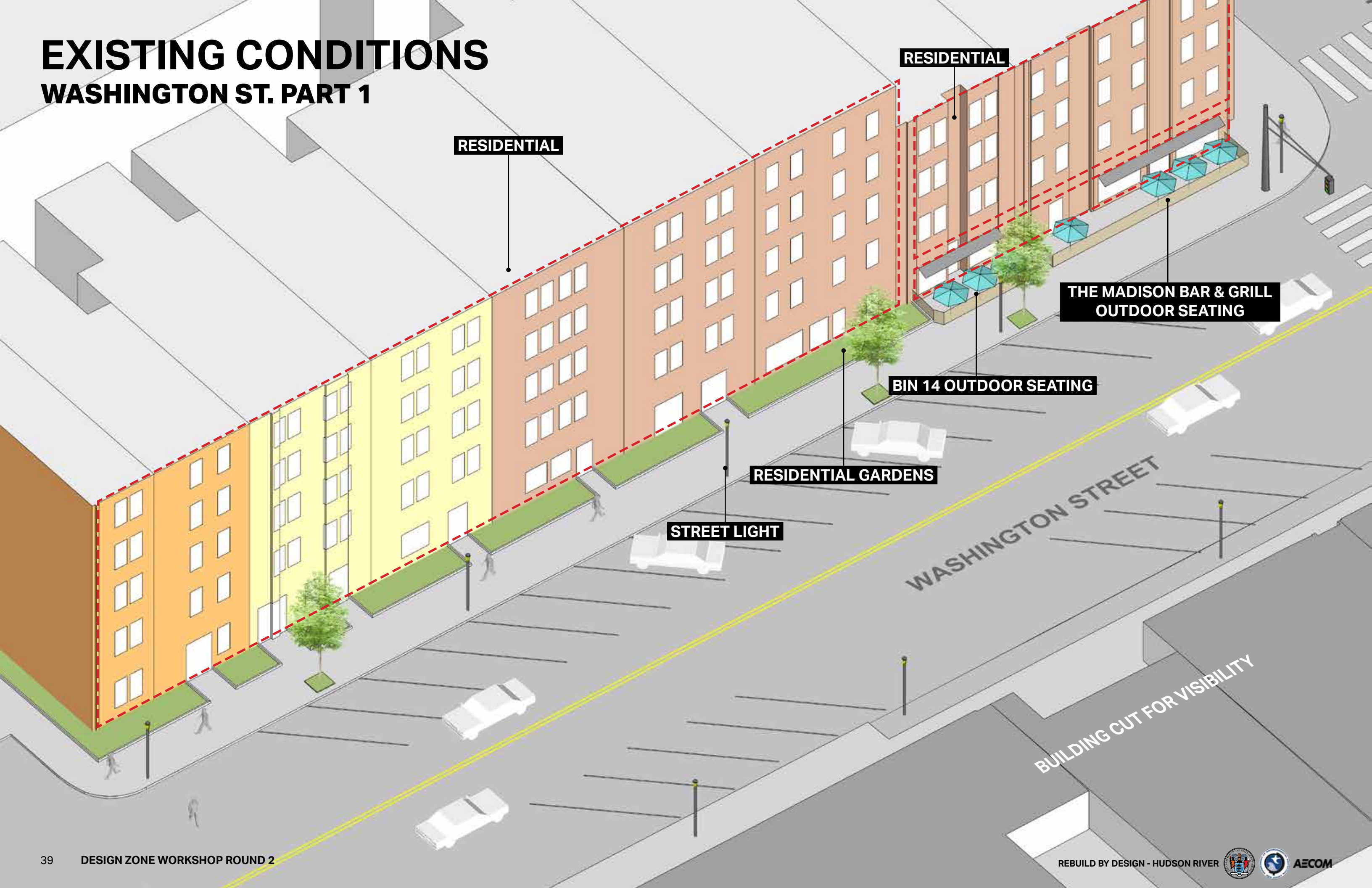
# ZONE 3 PLAN





# EXISTING CONDITIONS

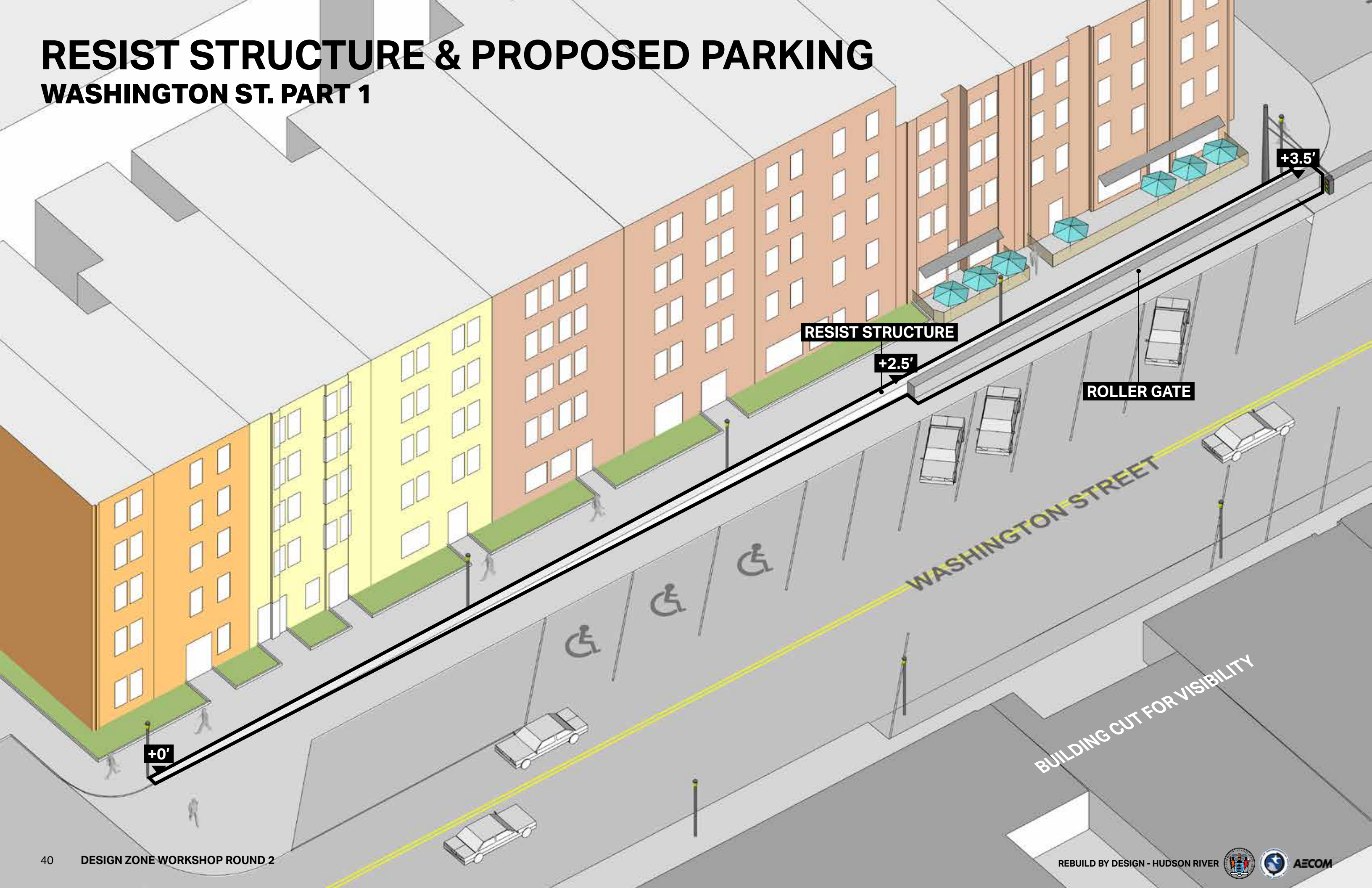
## WASHINGTON ST. PART 1





# RESIST STRUCTURE & PROPOSED PARKING

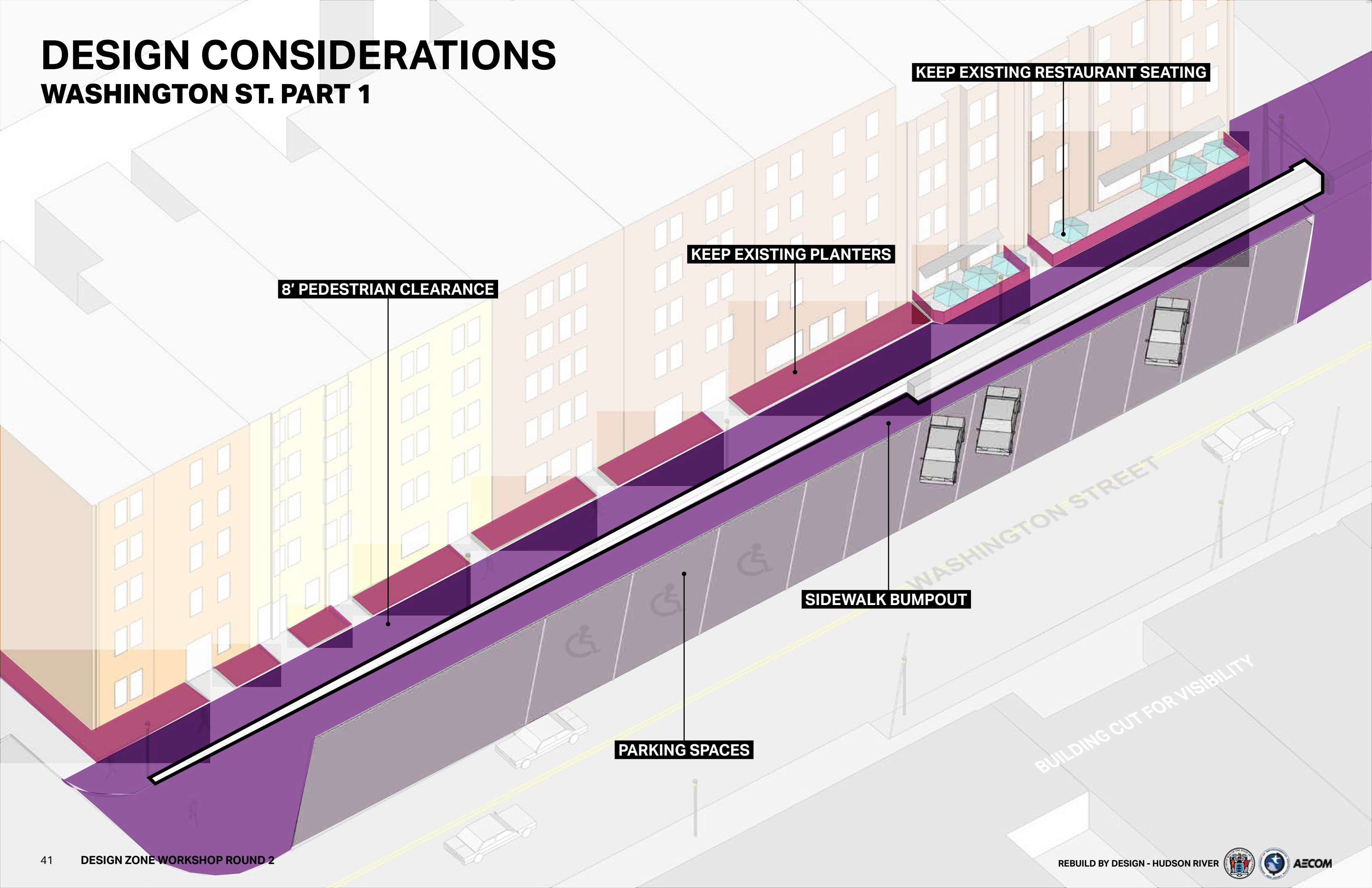
## WASHINGTON ST. PART 1





# DESIGN CONSIDERATIONS

## WASHINGTON ST. PART 1



KEEP EXISTING RESTAURANT SEATING

KEEP EXISTING PLANTERS

8' PEDESTRIAN CLEARANCE

SIDEWALK BUMPOUT

PARKING SPACES

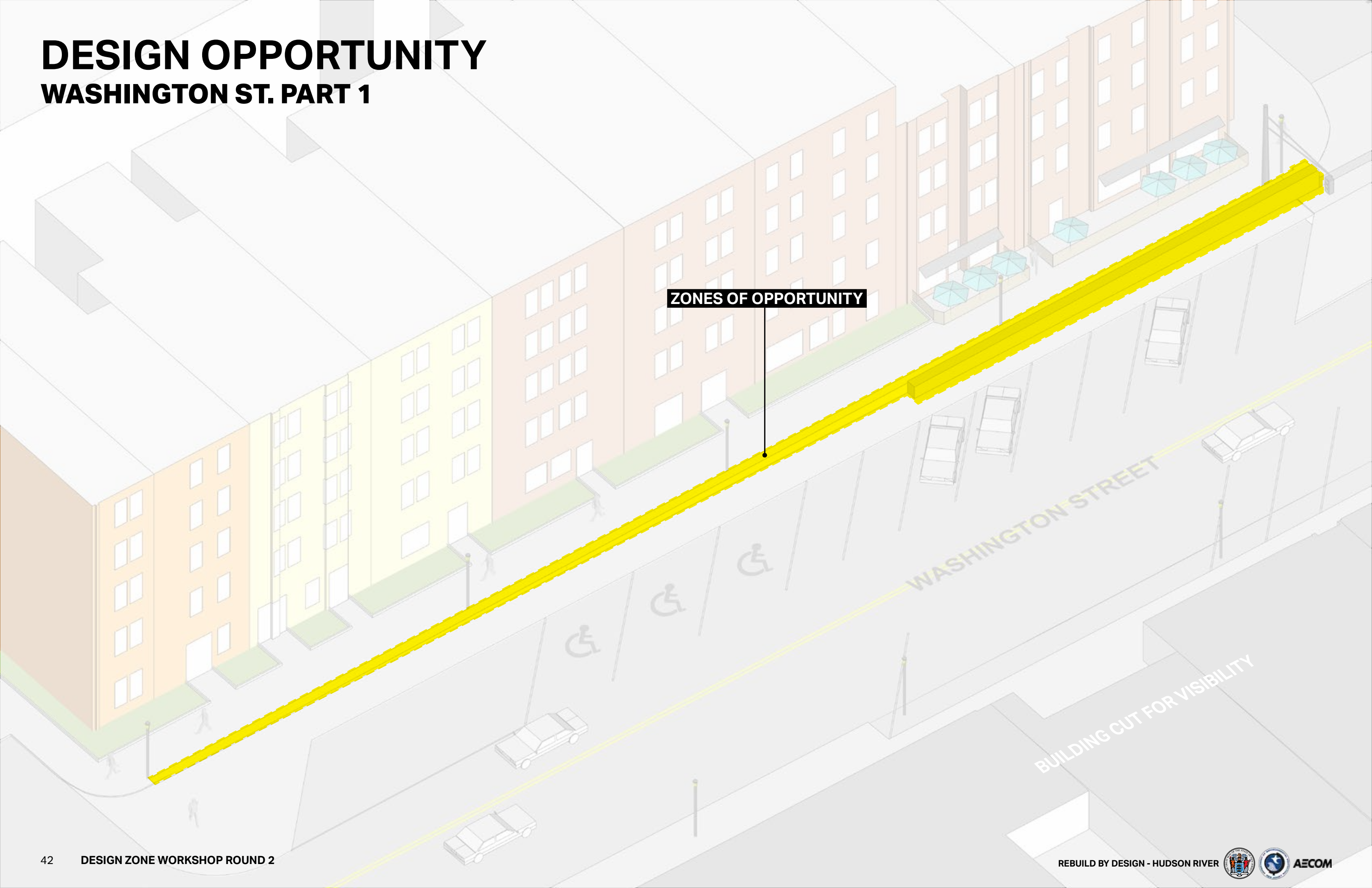
BUILDING CUT FOR VISIBILITY





# DESIGN OPPORTUNITY

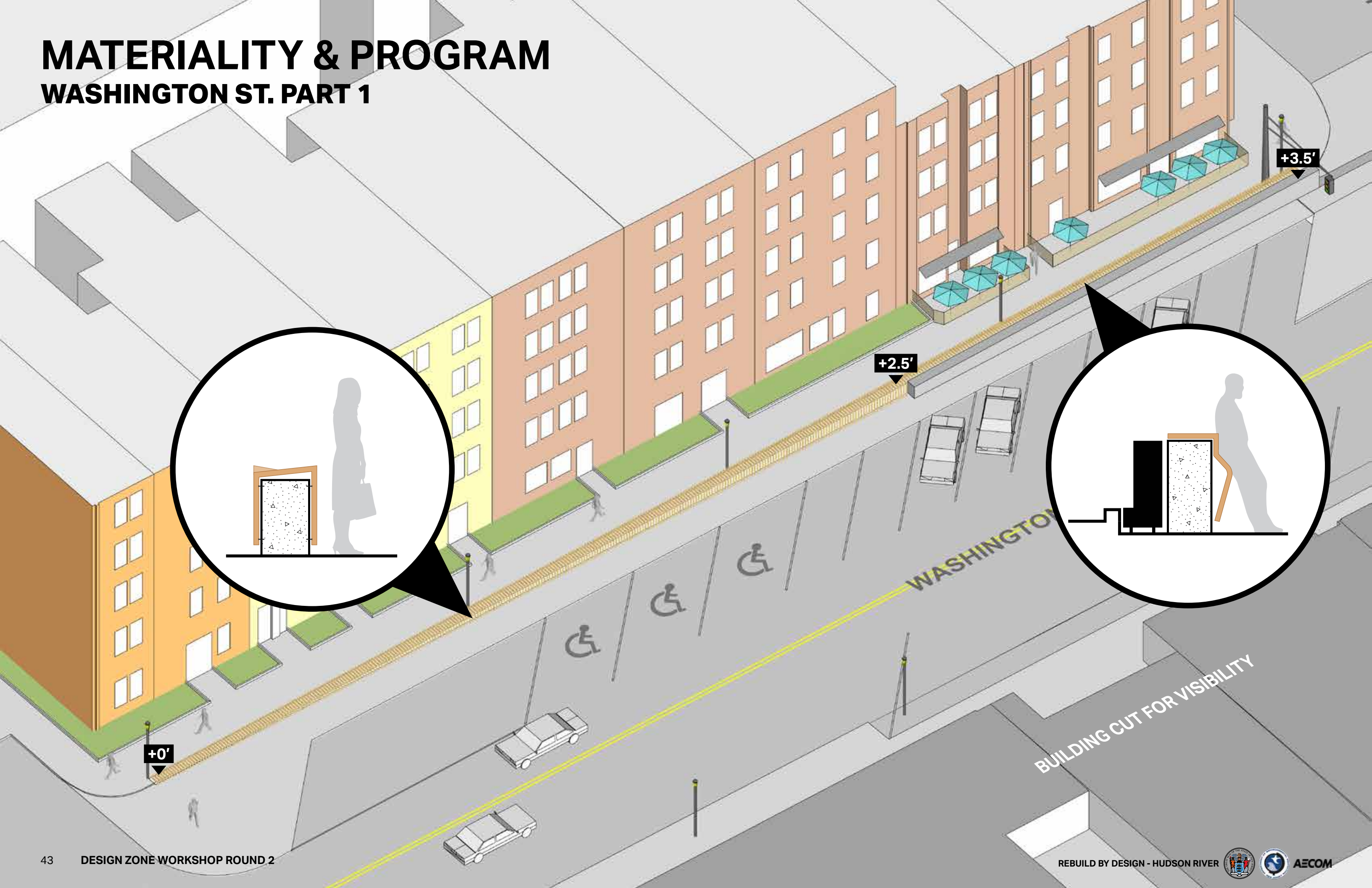
## WASHINGTON ST. PART 1





# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 1



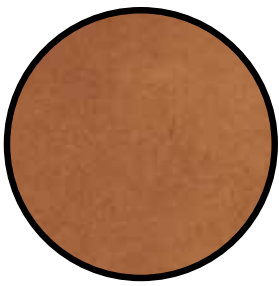


# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 1



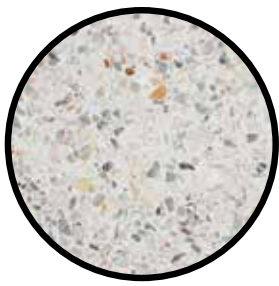
Wooden texture



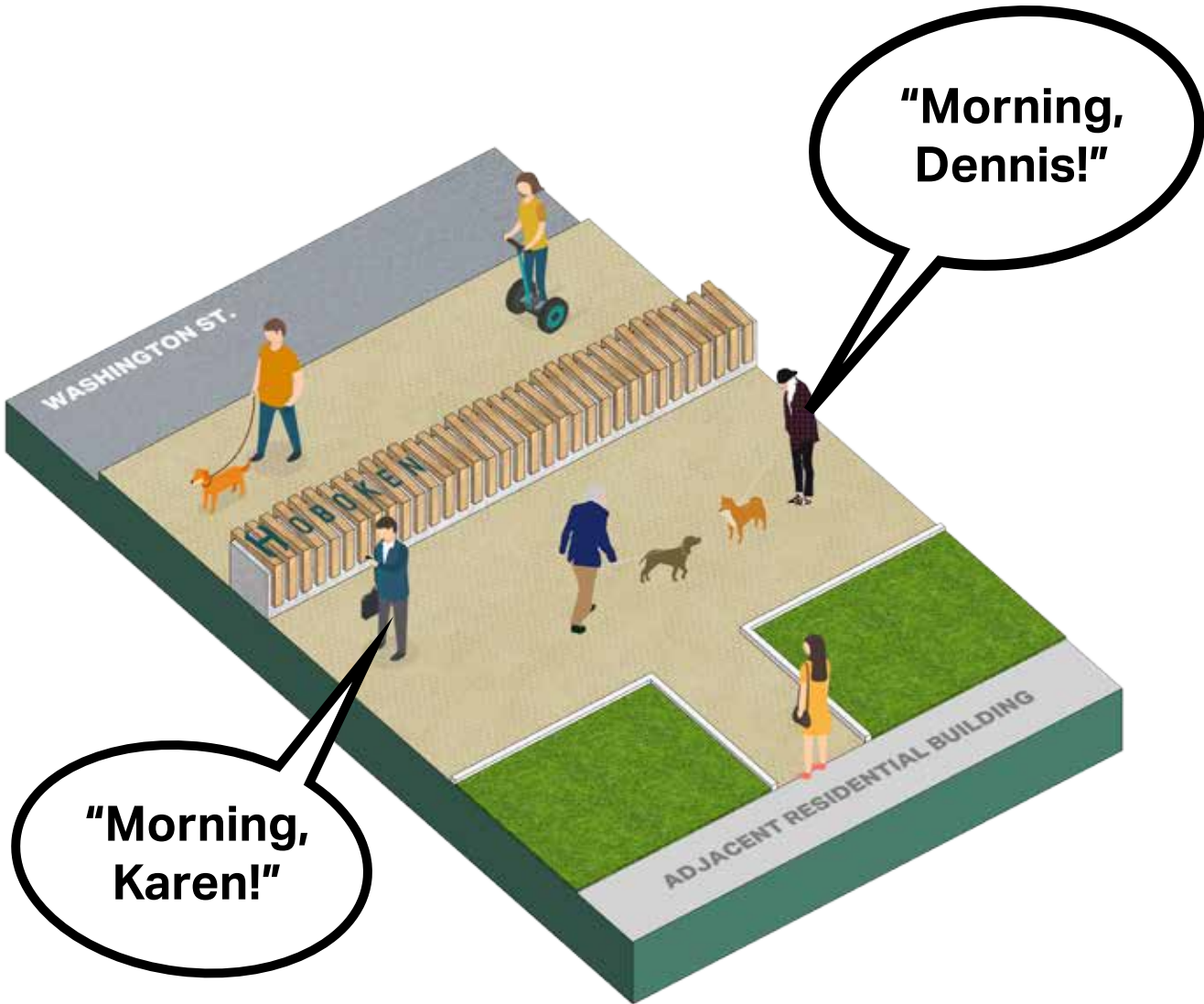
Weathered metal



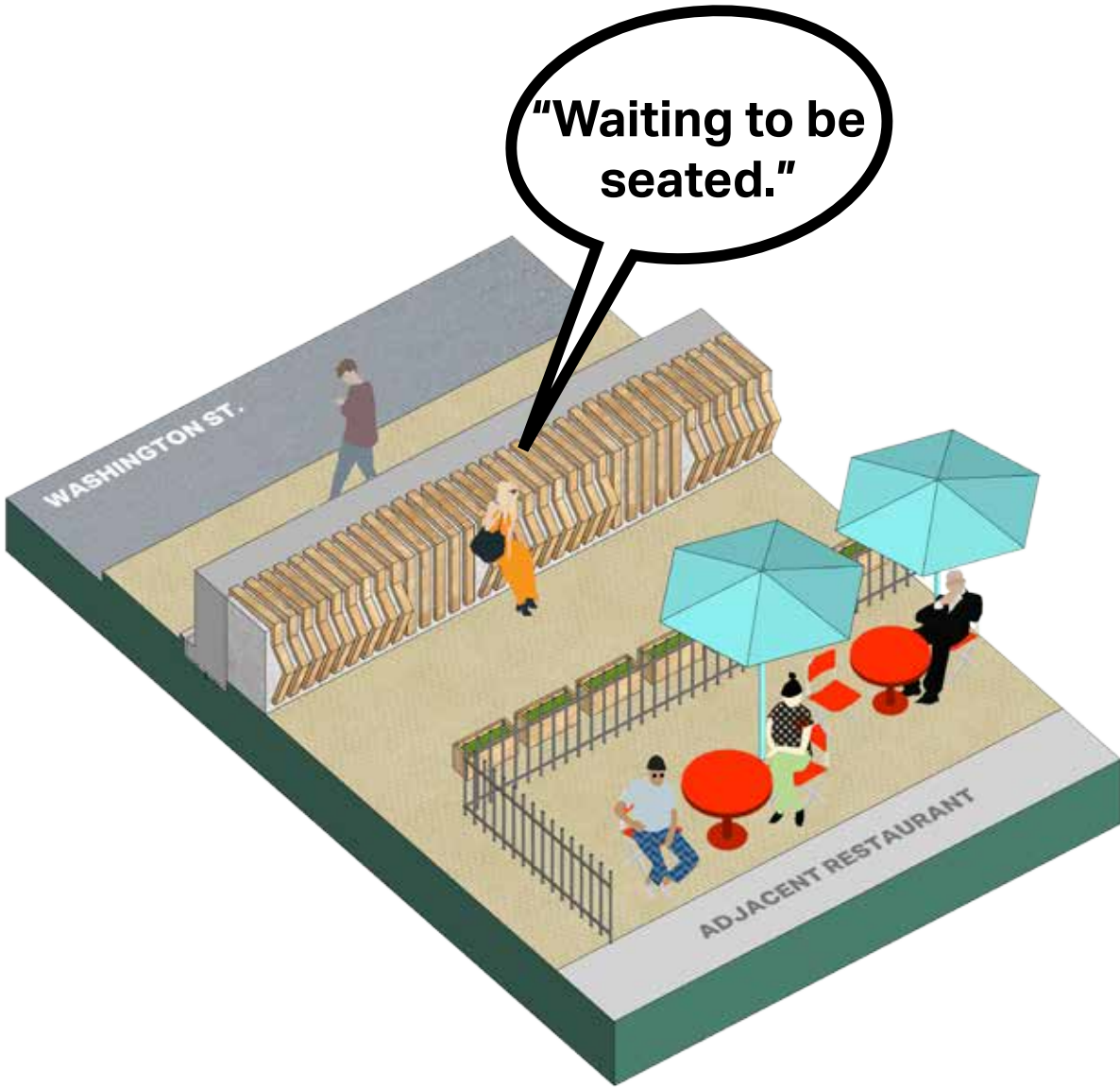
Stone texture



Aggregate texture



Signage



Stand Lean



# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 1



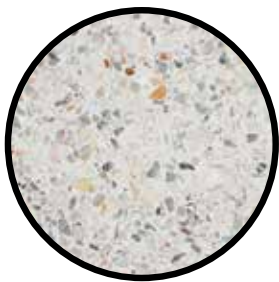
Wooden texture



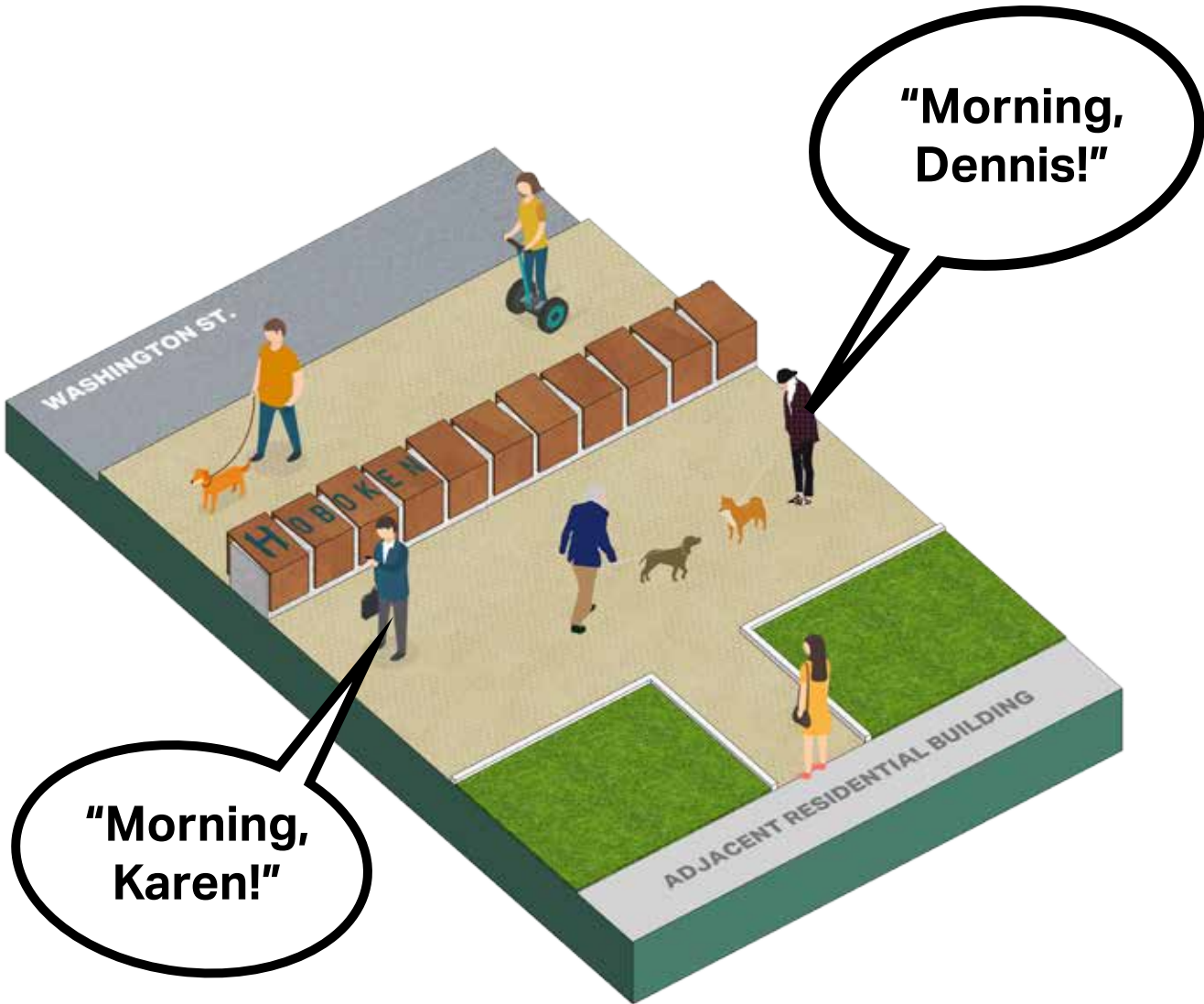
Weathered metal



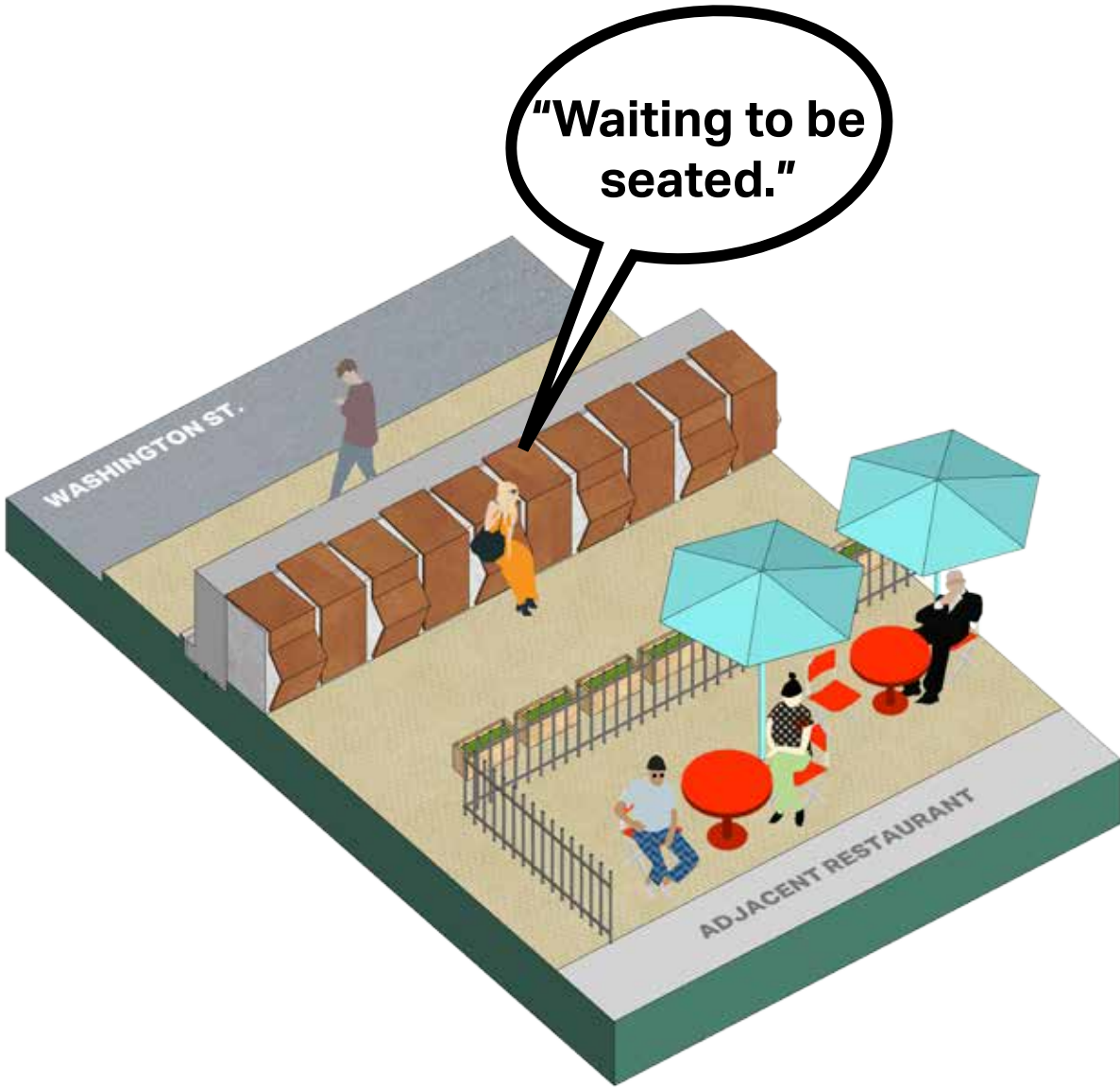
Stone texture



Aggregate texture



Signage



Stand Lean



# EXISTING CONDITIONS

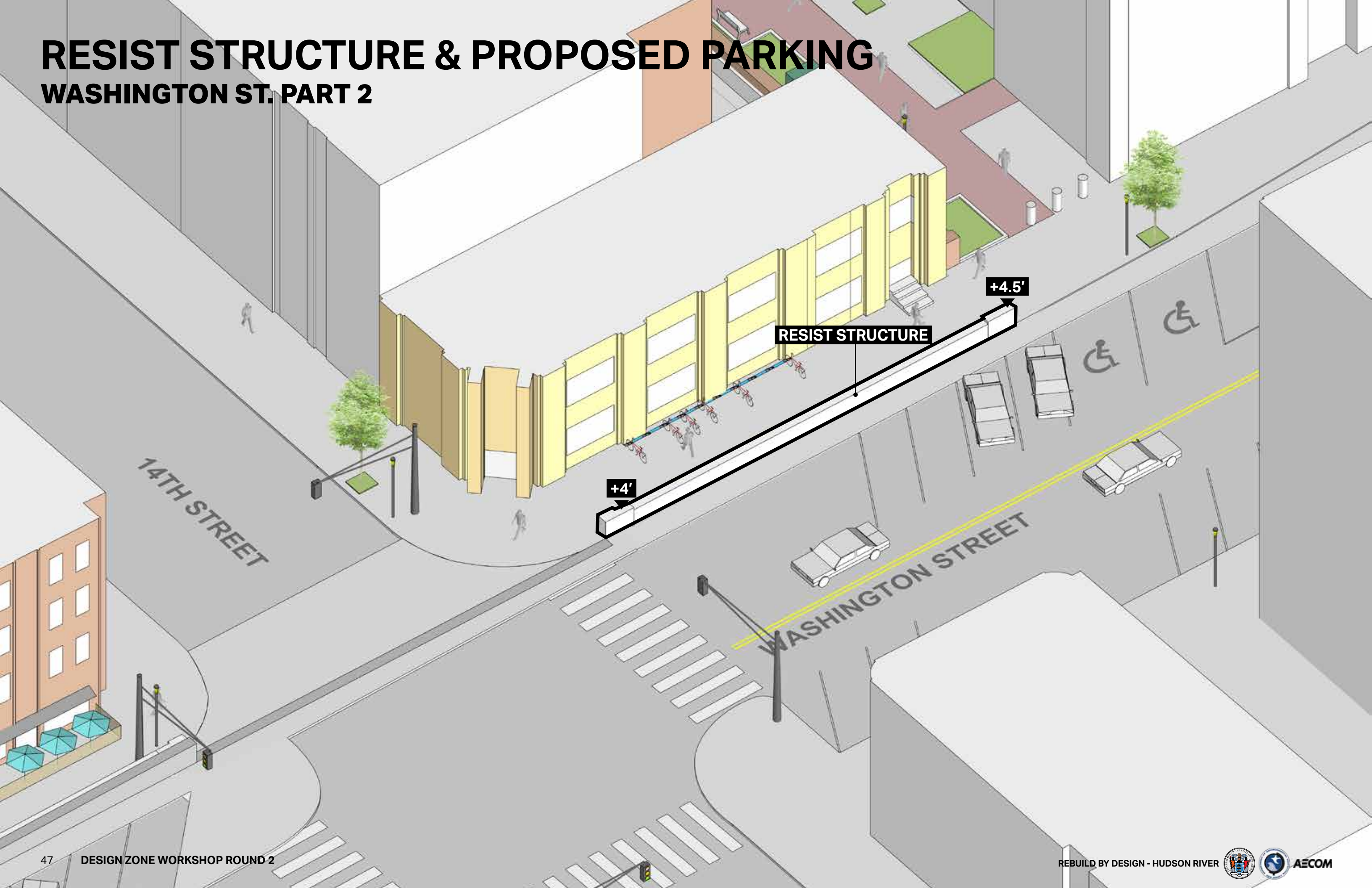
## WASHINGTON ST. PART 2





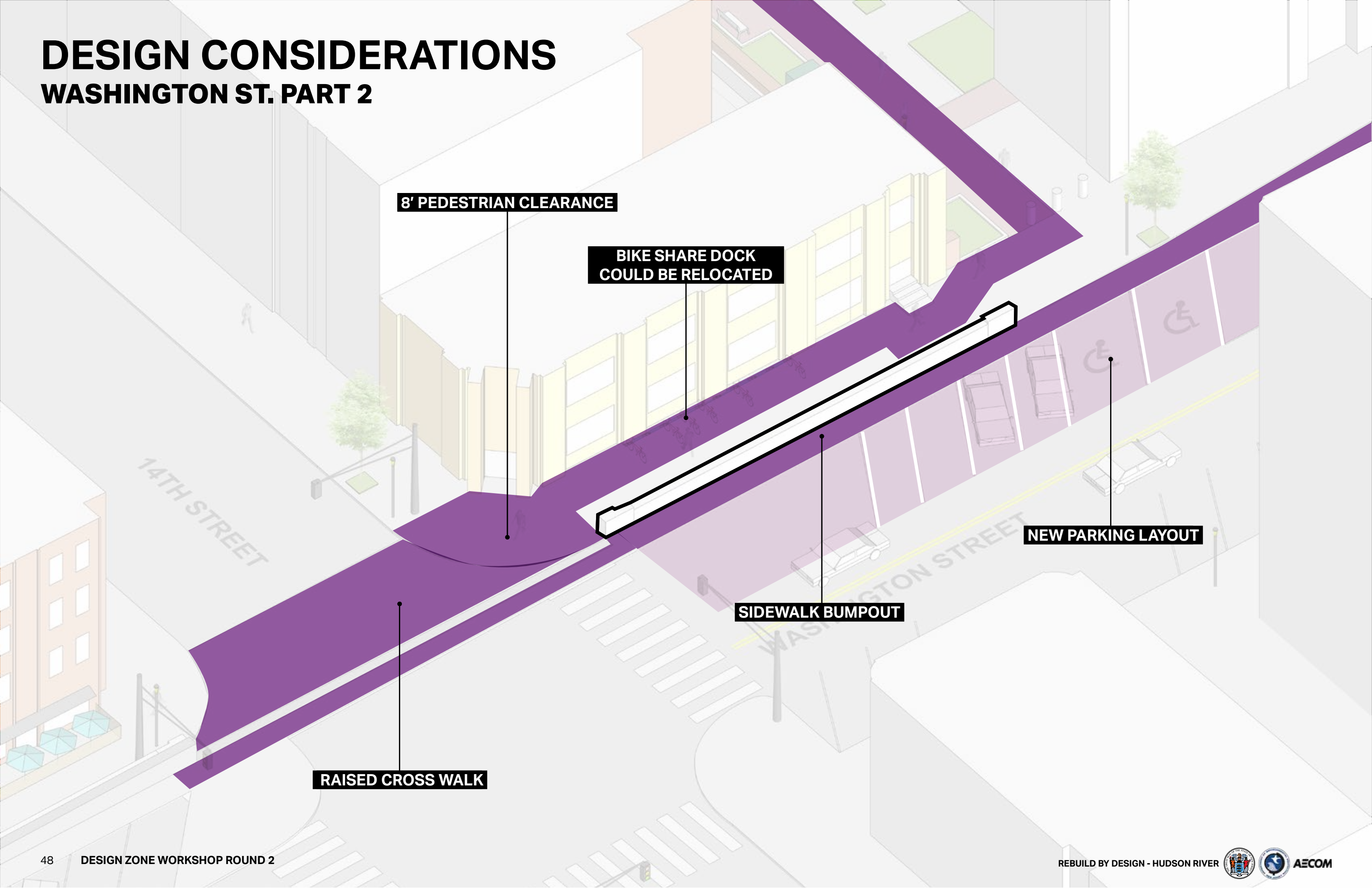
# RESIST STRUCTURE & PROPOSED PARKING

## WASHINGTON ST. PART 2



# DESIGN CONSIDERATIONS

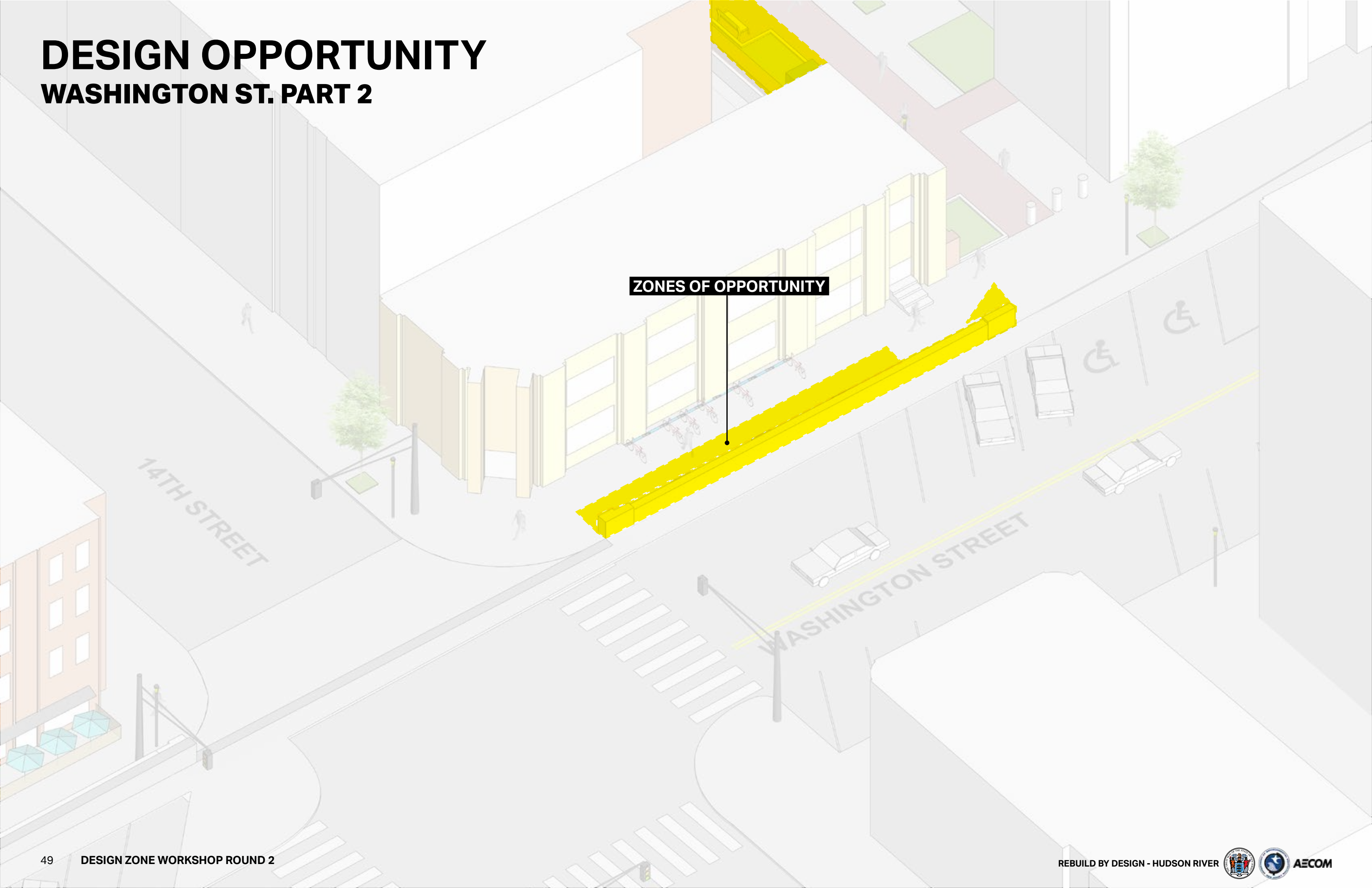
## WASHINGTON ST. PART 2





# DESIGN OPPORTUNITY

## WASHINGTON ST. PART 2



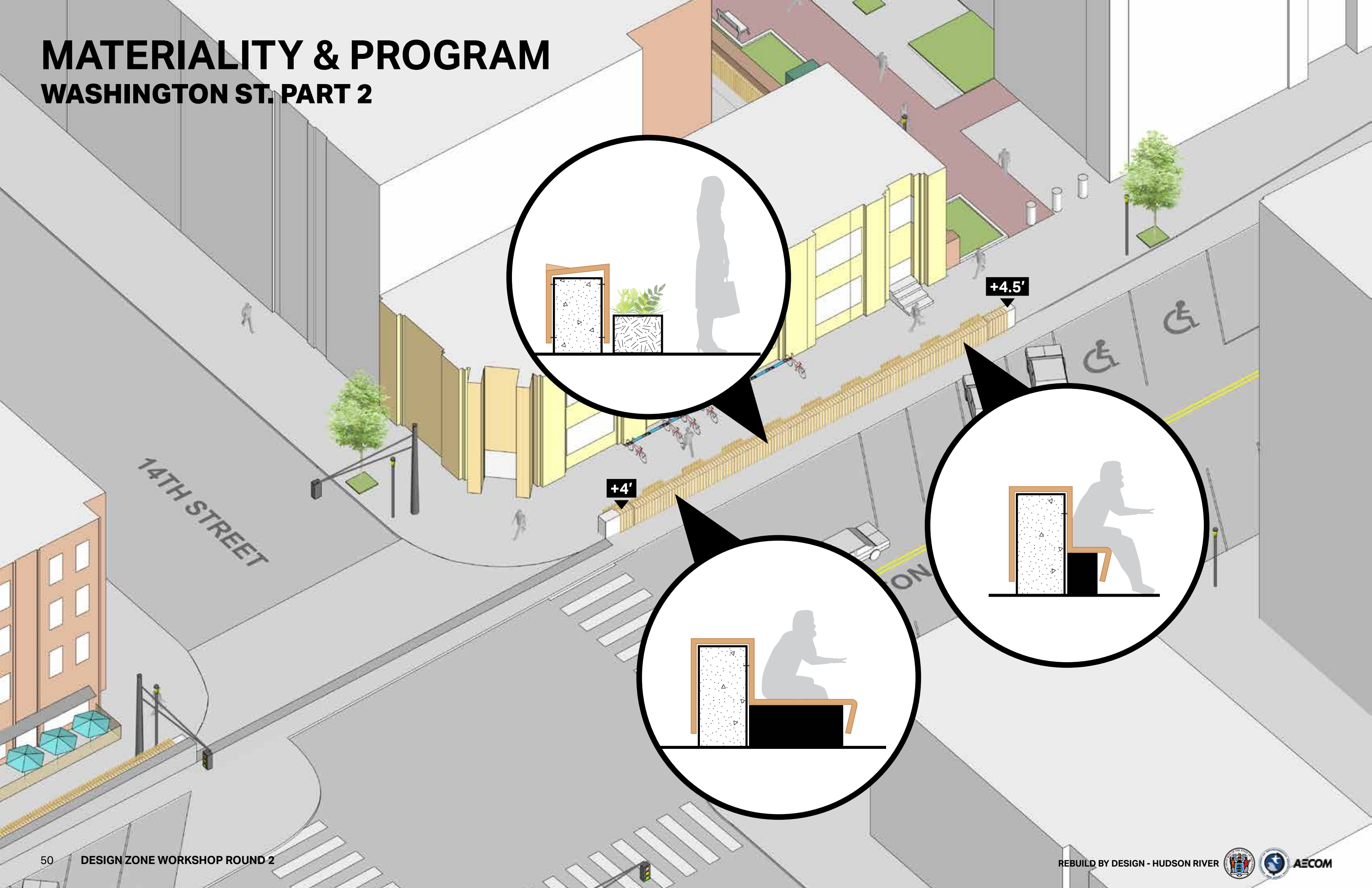
ZONES OF OPPORTUNITY

14TH STREET

WASHINGTON STREET

# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 2



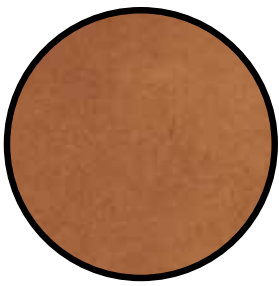


# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 2



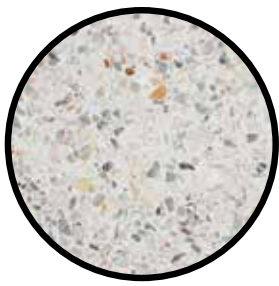
Wooden texture



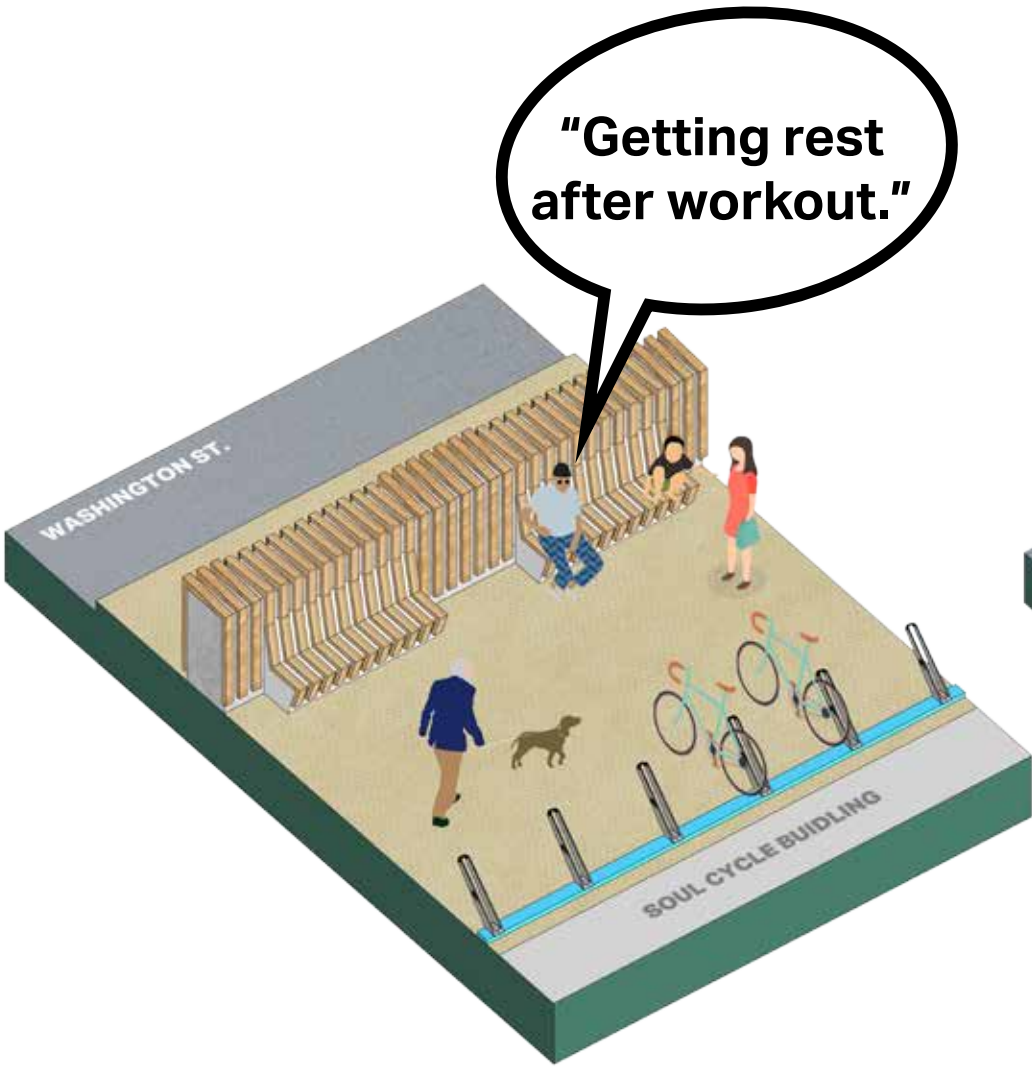
Weathered metal



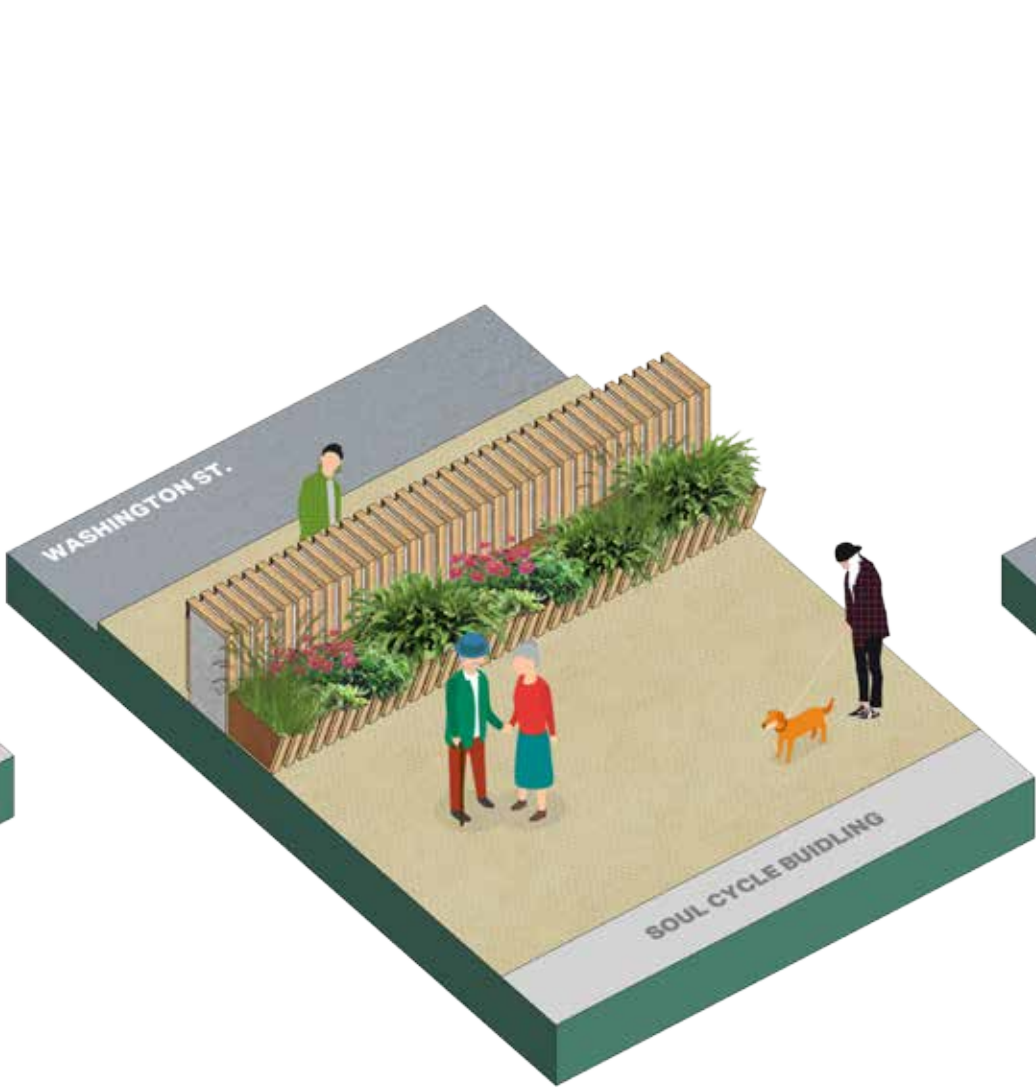
Stone texture



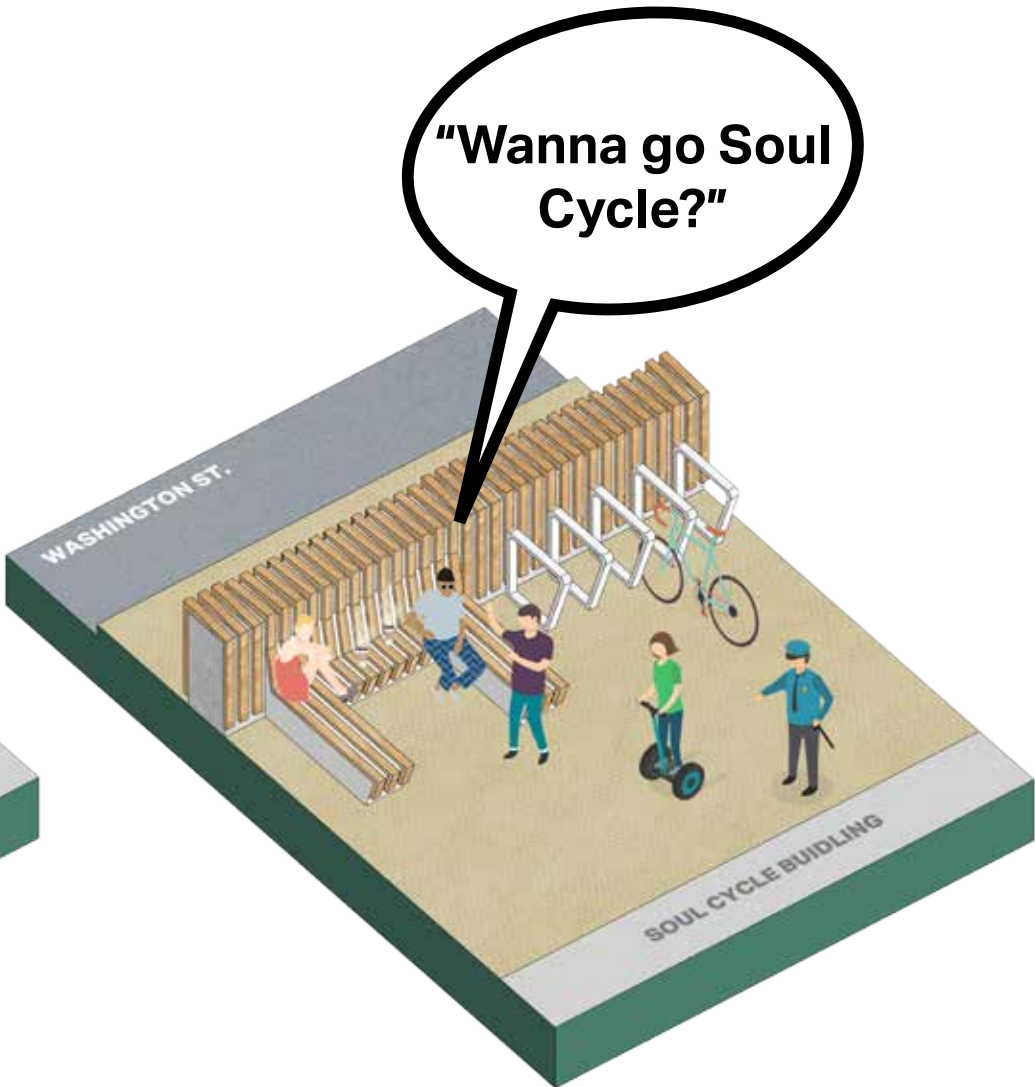
Aggregate texture



Simple Seating



Planter



Social Seating & Bike Rack

# MATERIALITY & PROGRAM

## WASHINGTON ST. PART 2



Wooden texture



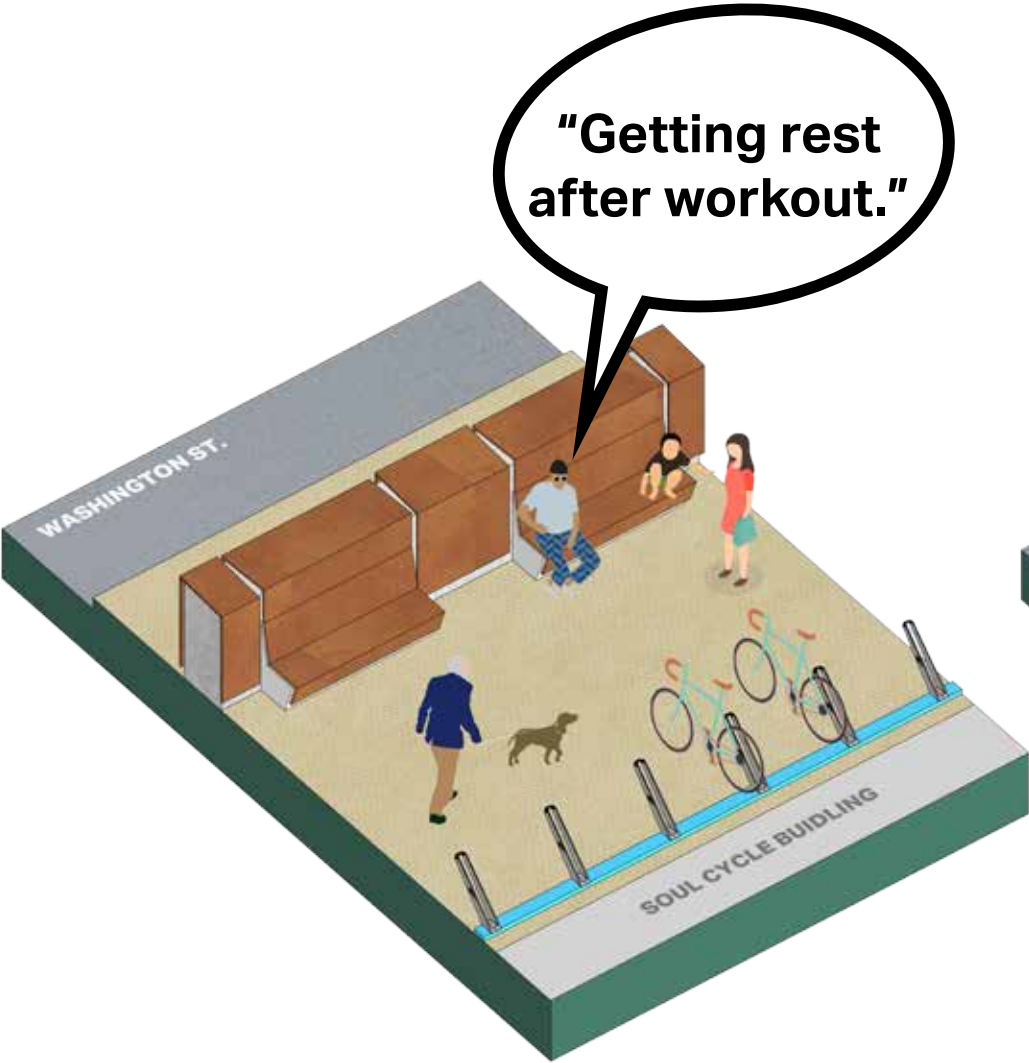
Weathered metal



Stone texture



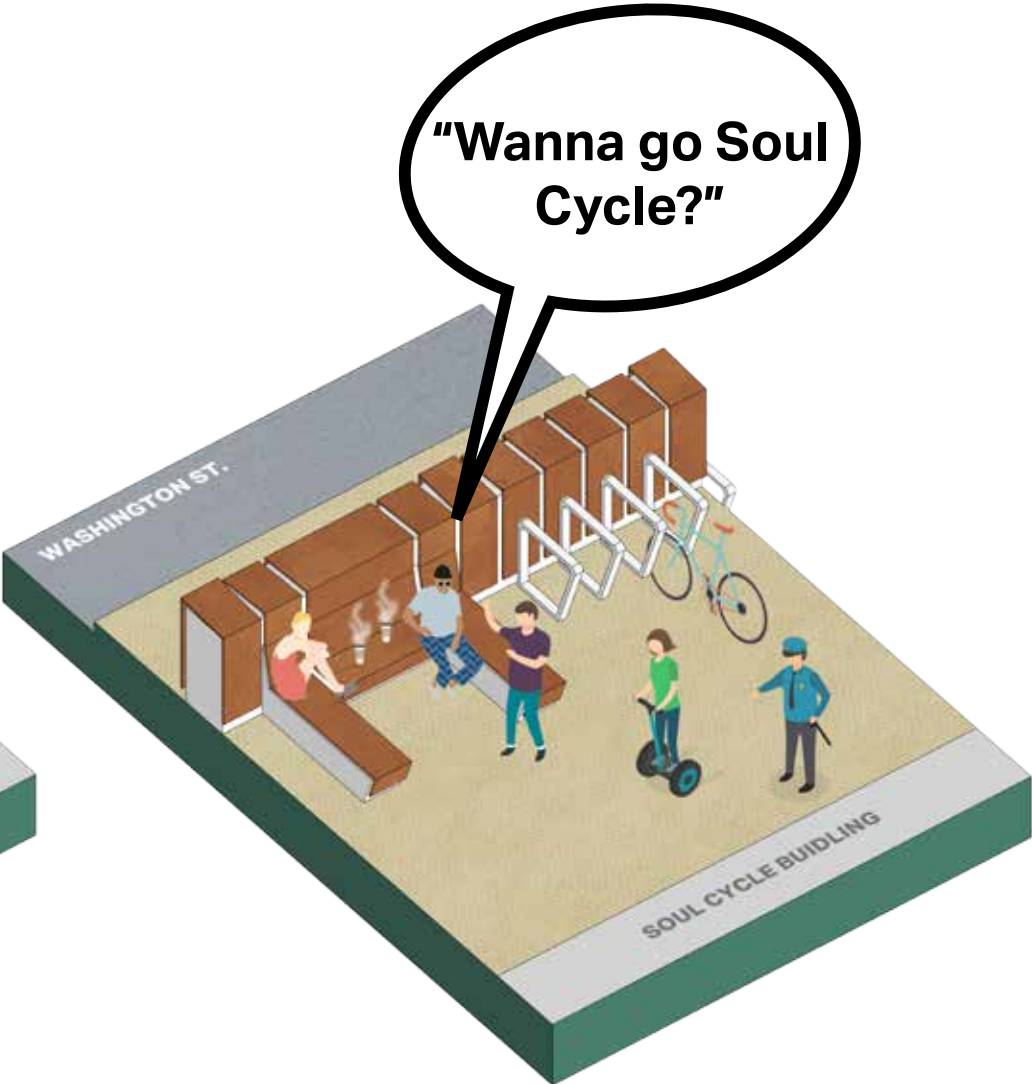
Aggregate texture



Simple Seating



Planter

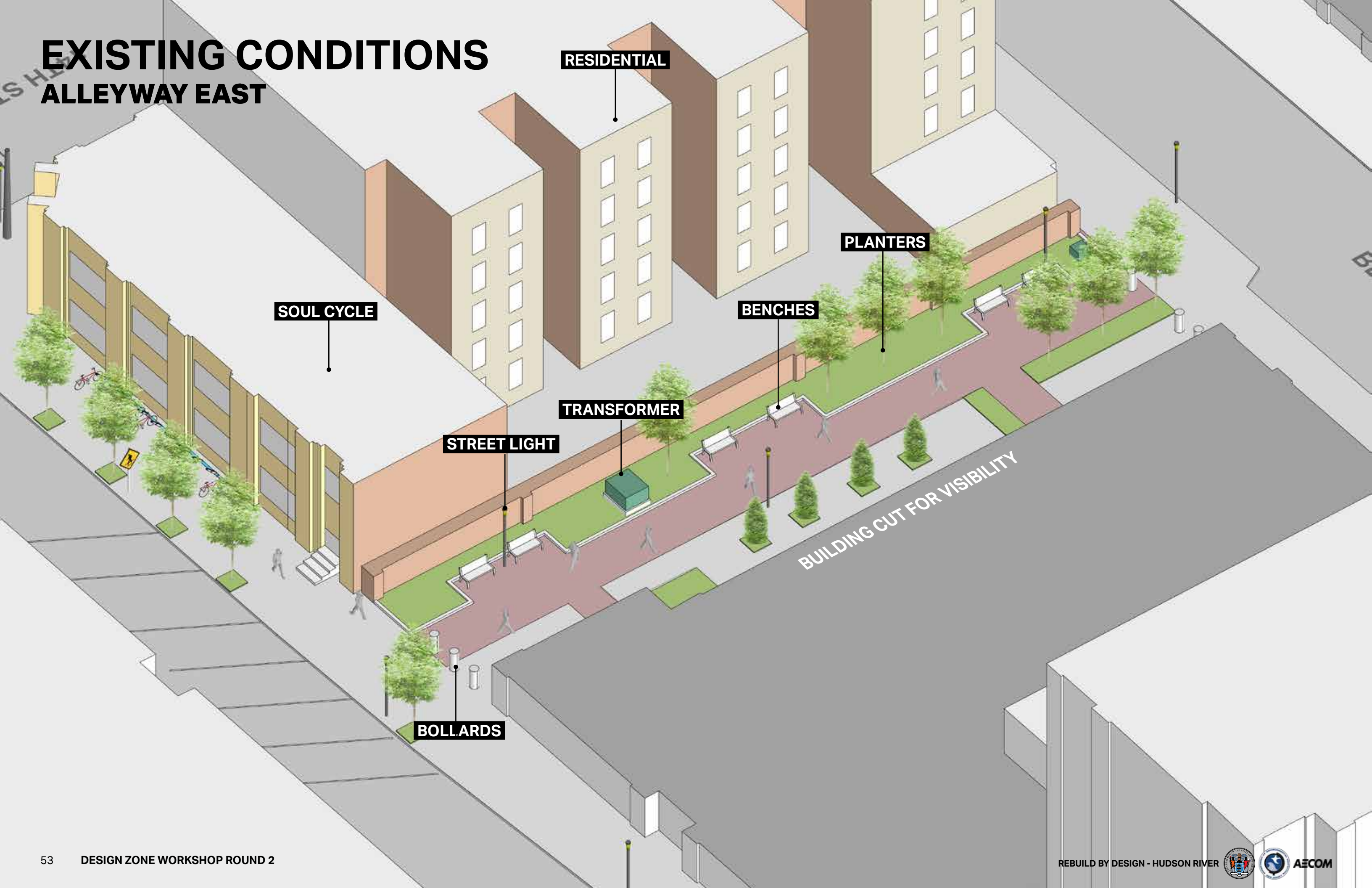


Social Seating & Bike Rack



# EXISTING CONDITIONS

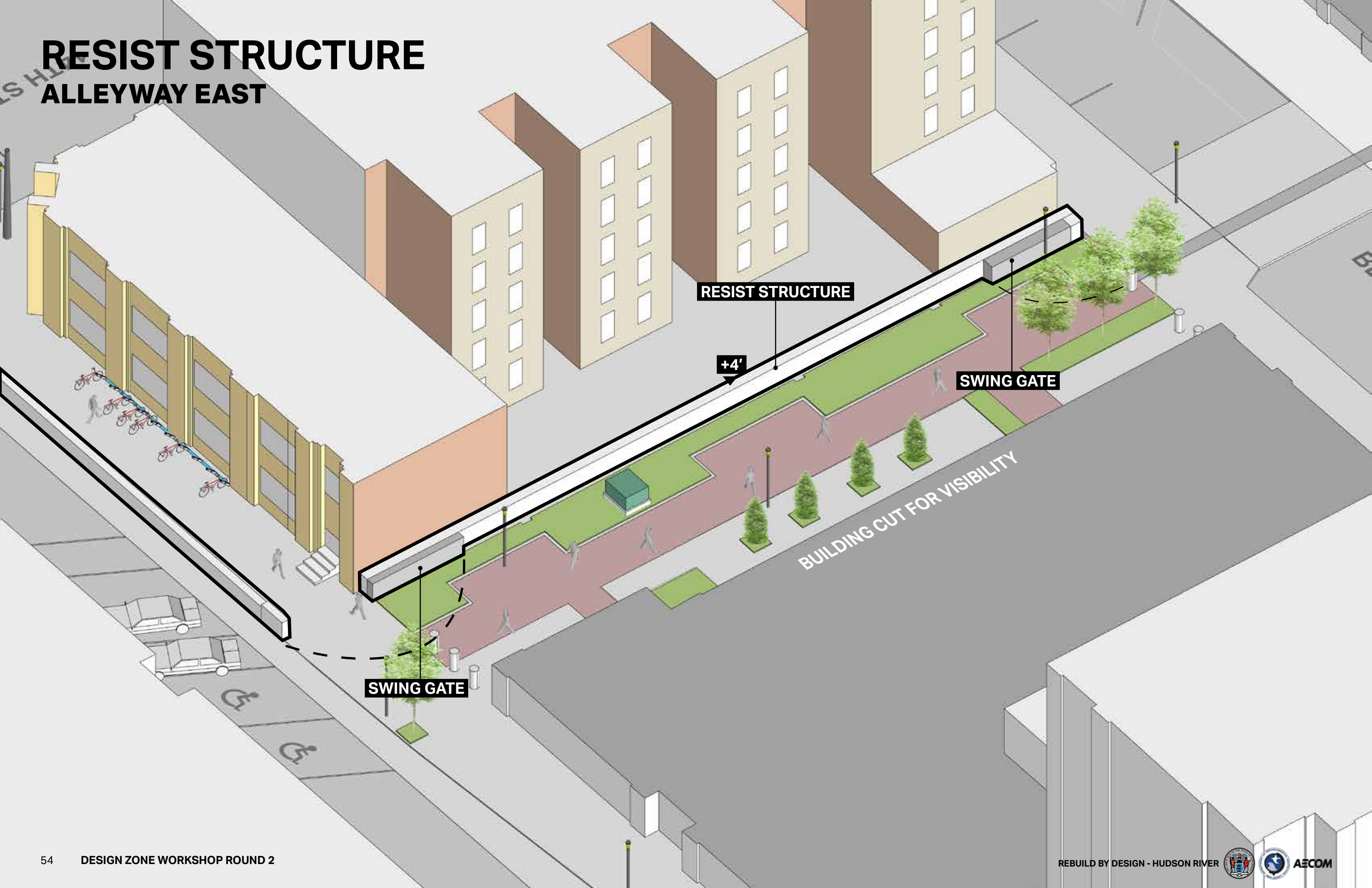
## ALLEYWAY EAST





# RESIST STRUCTURE

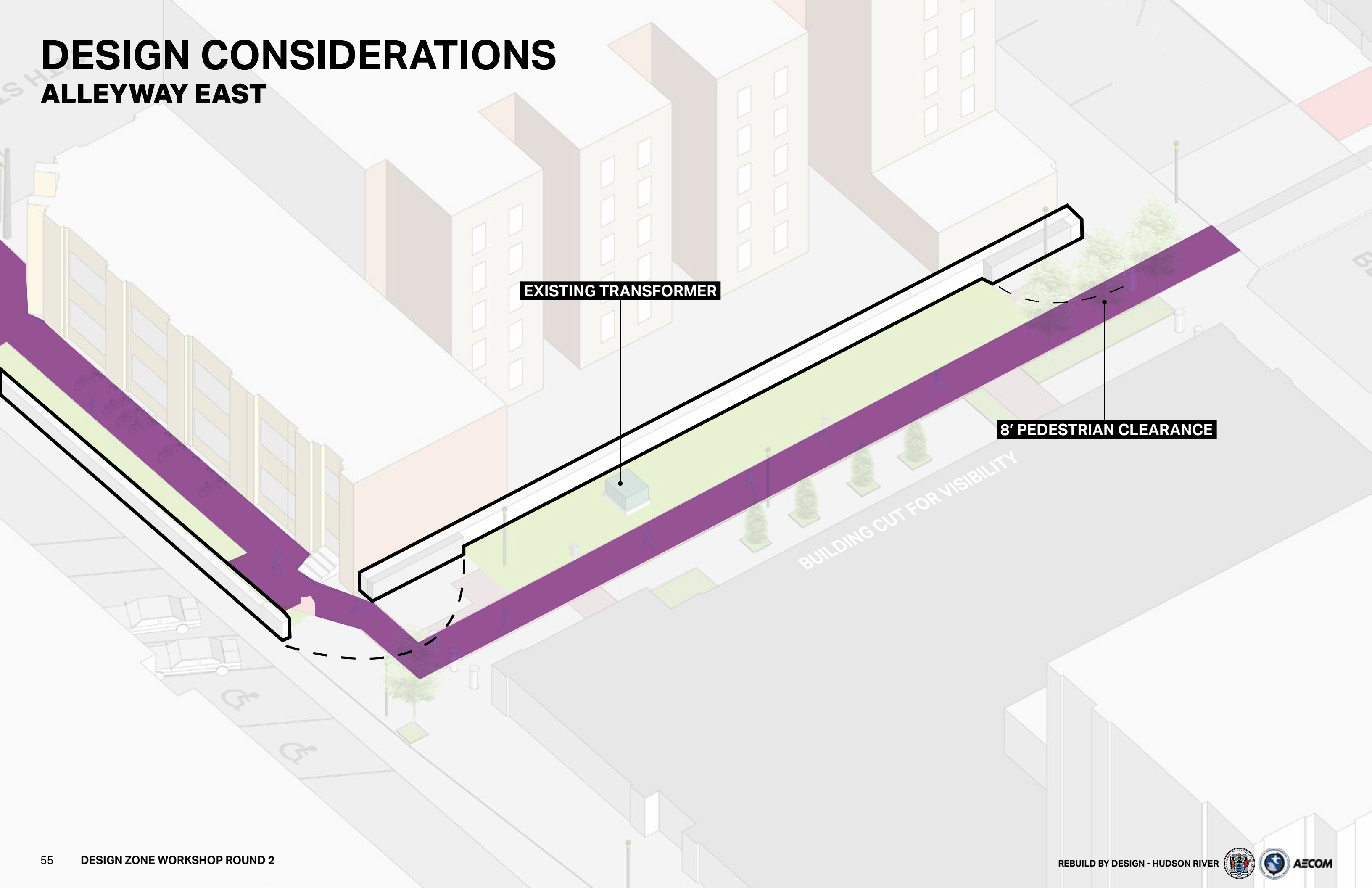
## ALLEYWAY EAST





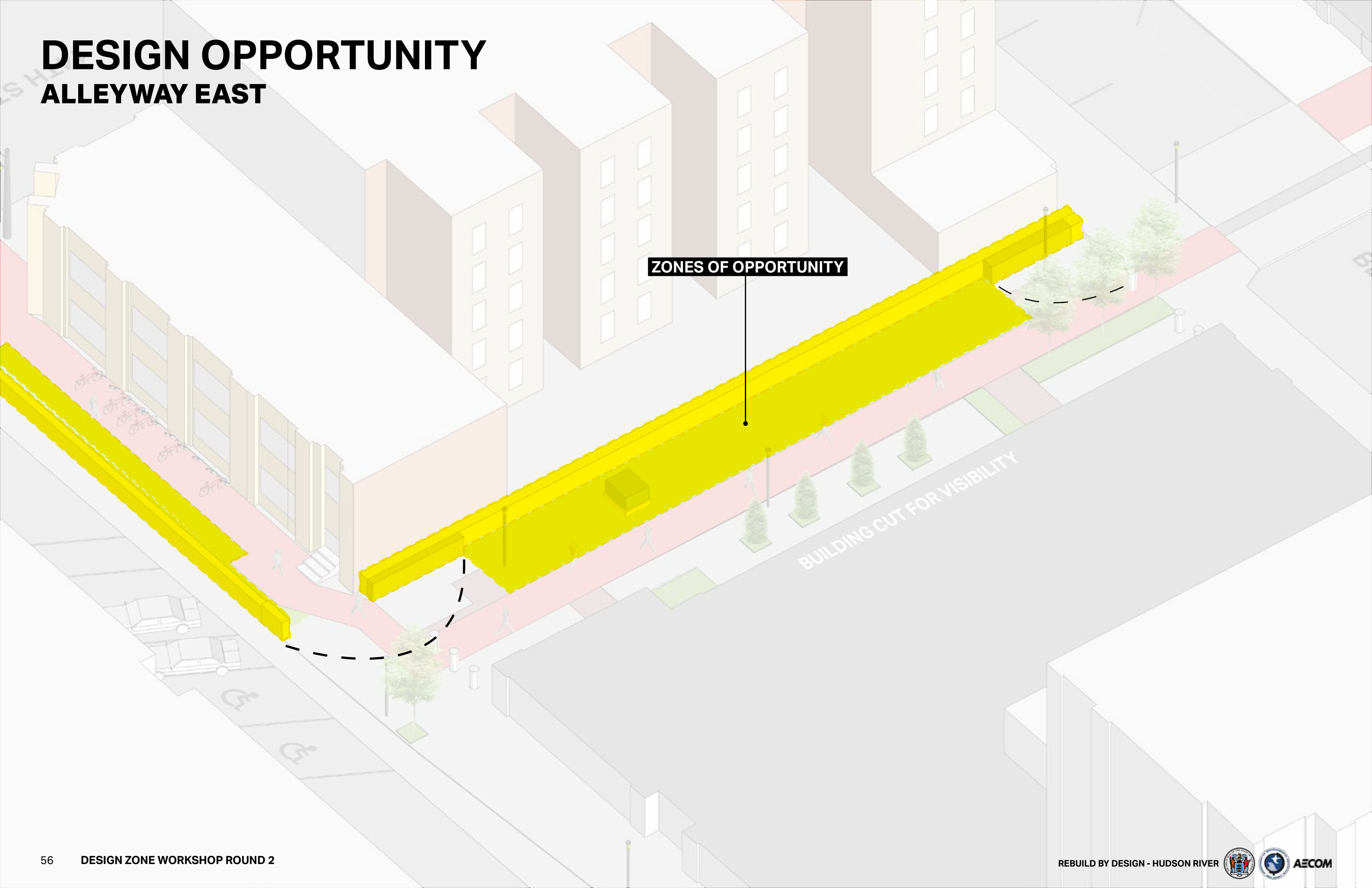
# DESIGN CONSIDERATIONS

## ALLEYWAY EAST



# DESIGN OPPORTUNITY

## ALLEYWAY EAST



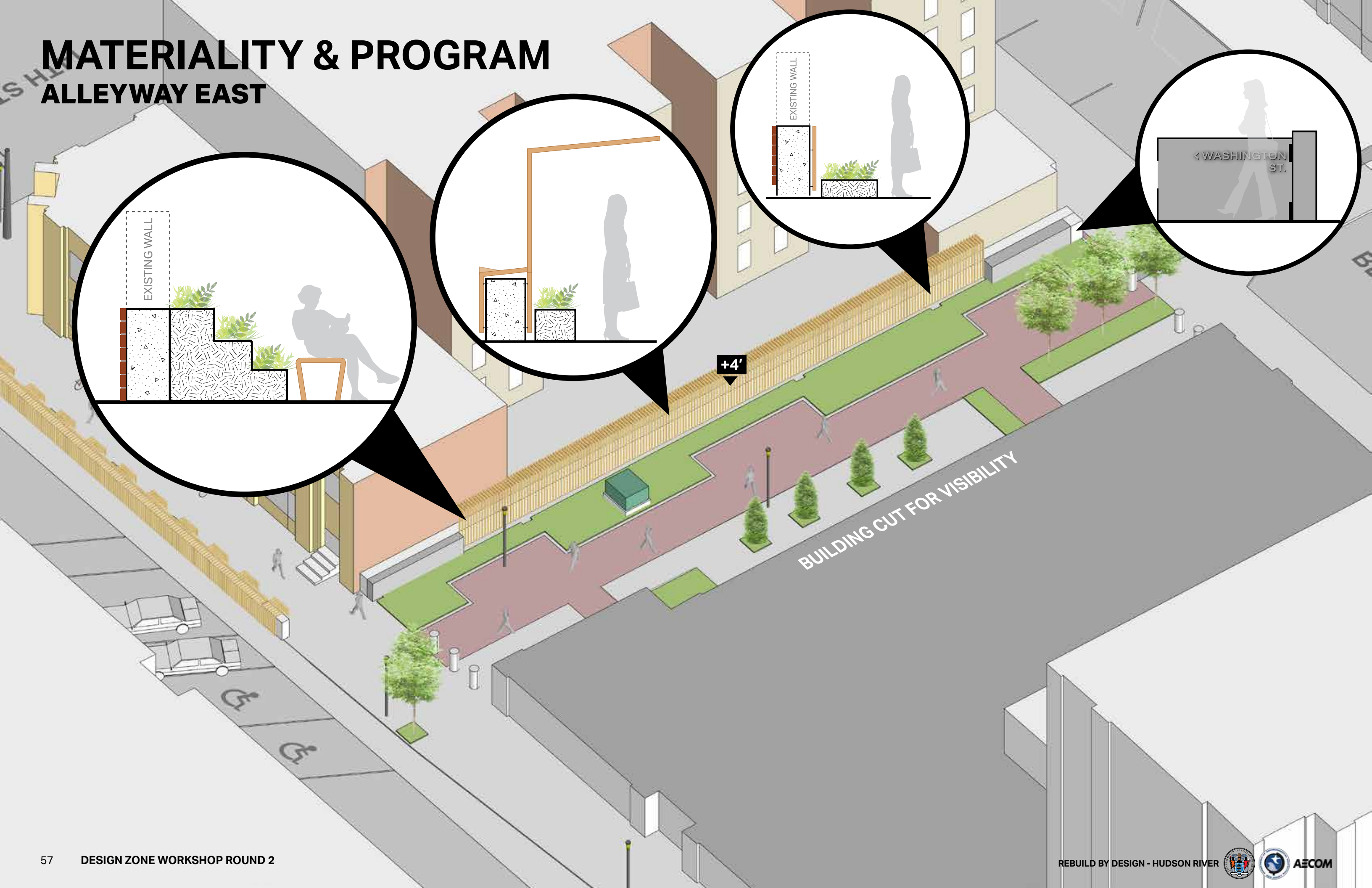
ZONES OF OPPORTUNITY

BUILDING CUT FOR VISIBILITY



# MATERIALITY & PROGRAM

## ALLEYWAY EAST



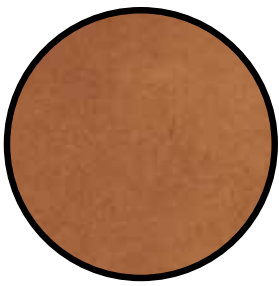


# MATERIALITY & PROGRAM

## ALLEYWAY EAST



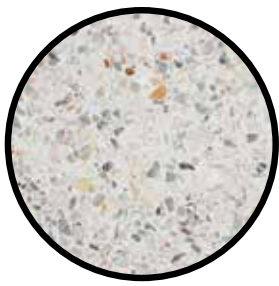
Wooden texture



Weathered metal



Stone texture



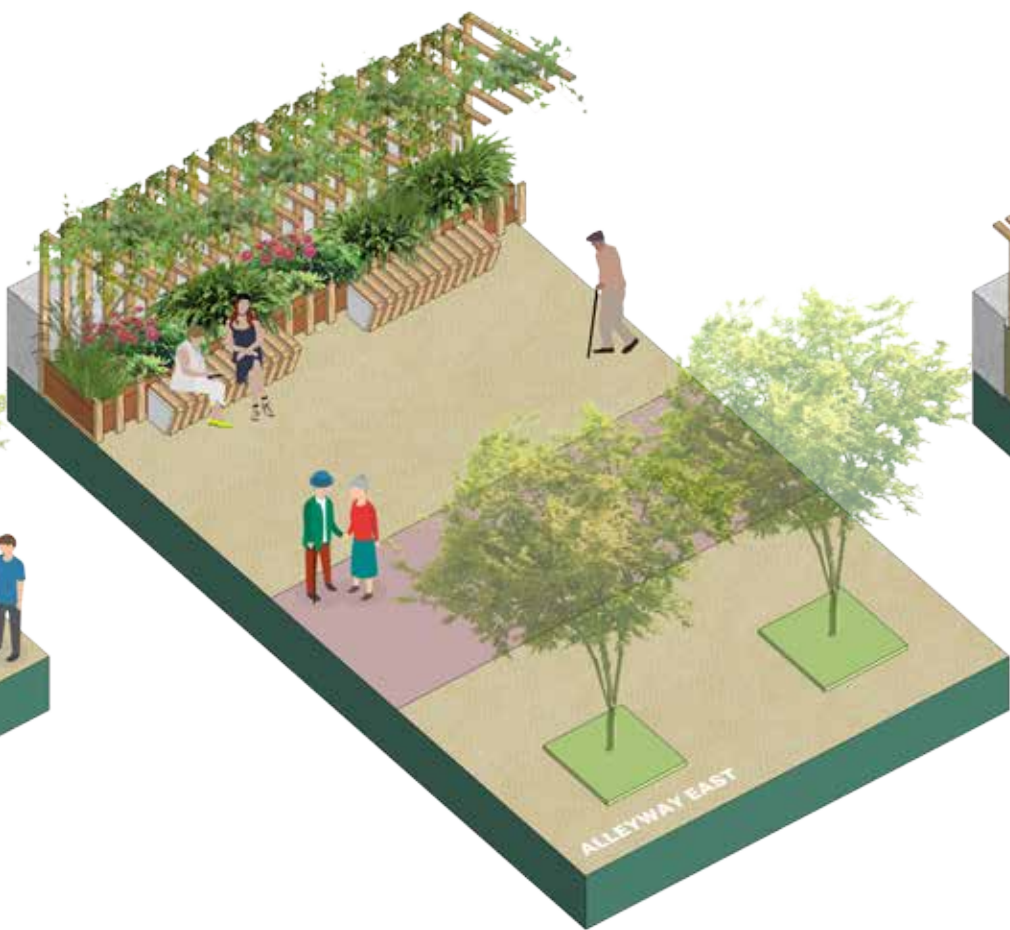
Aggregate texture

"Love the serene alleyway"

Height matches the existing brick wall



Panels with Planting Bed and Seating



Trellis Planter with Seating



Planting Terraces with Seating



# MATERIALITY & PROGRAM

## ALLEYWAY EAST



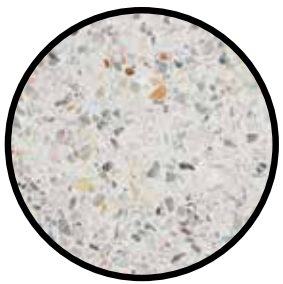
Wooden texture



Weathered metal



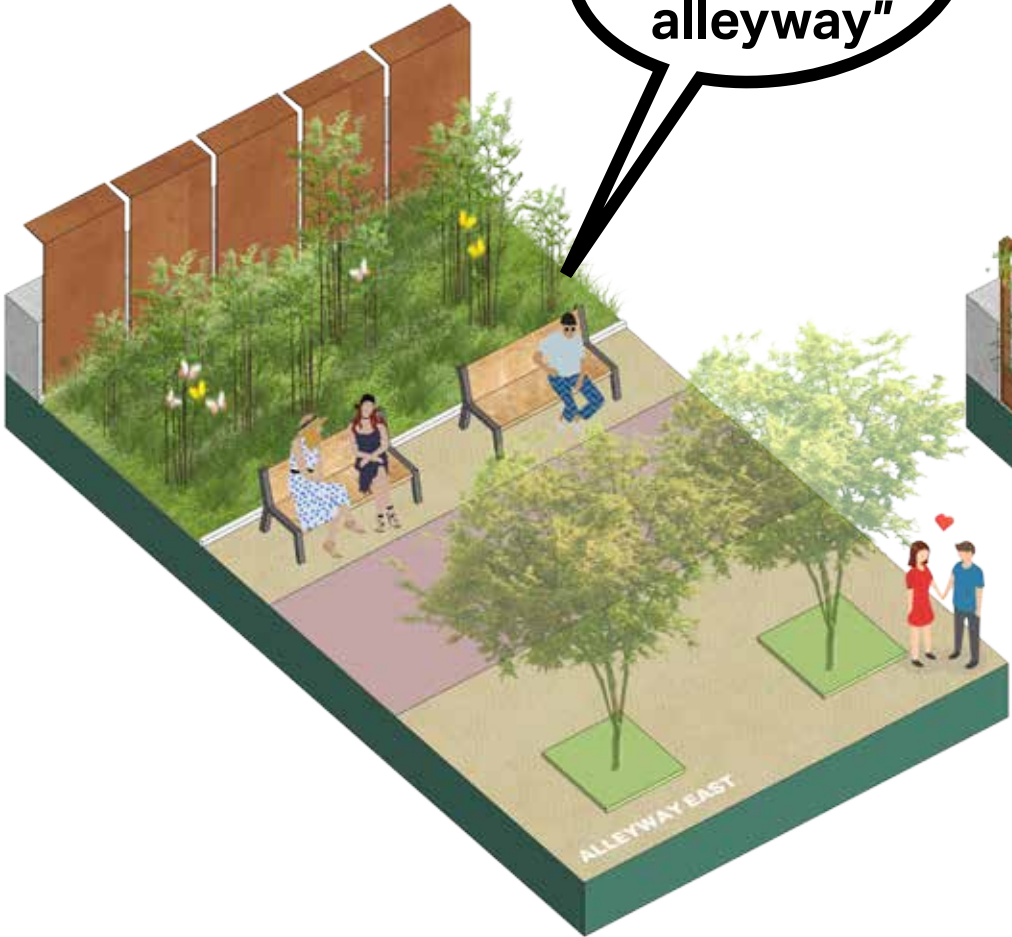
Stone texture



Aggregate texture

"Love the serene alleyway"

Height matches the existing brick wall



Panels with Planting Bed and Seating



Trellis Planter with Seating

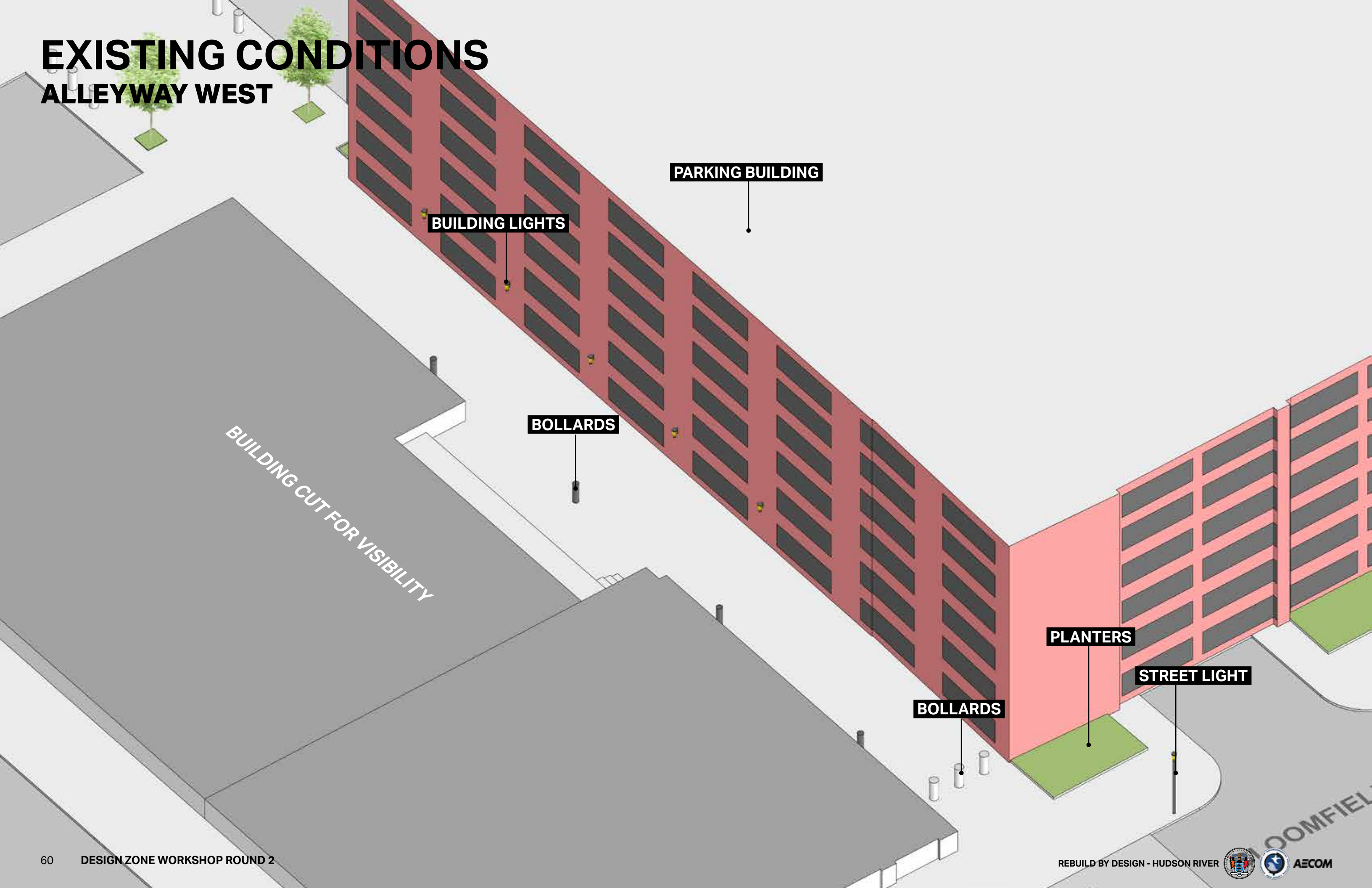


Planting Terraces with Seating



# EXISTING CONDITIONS

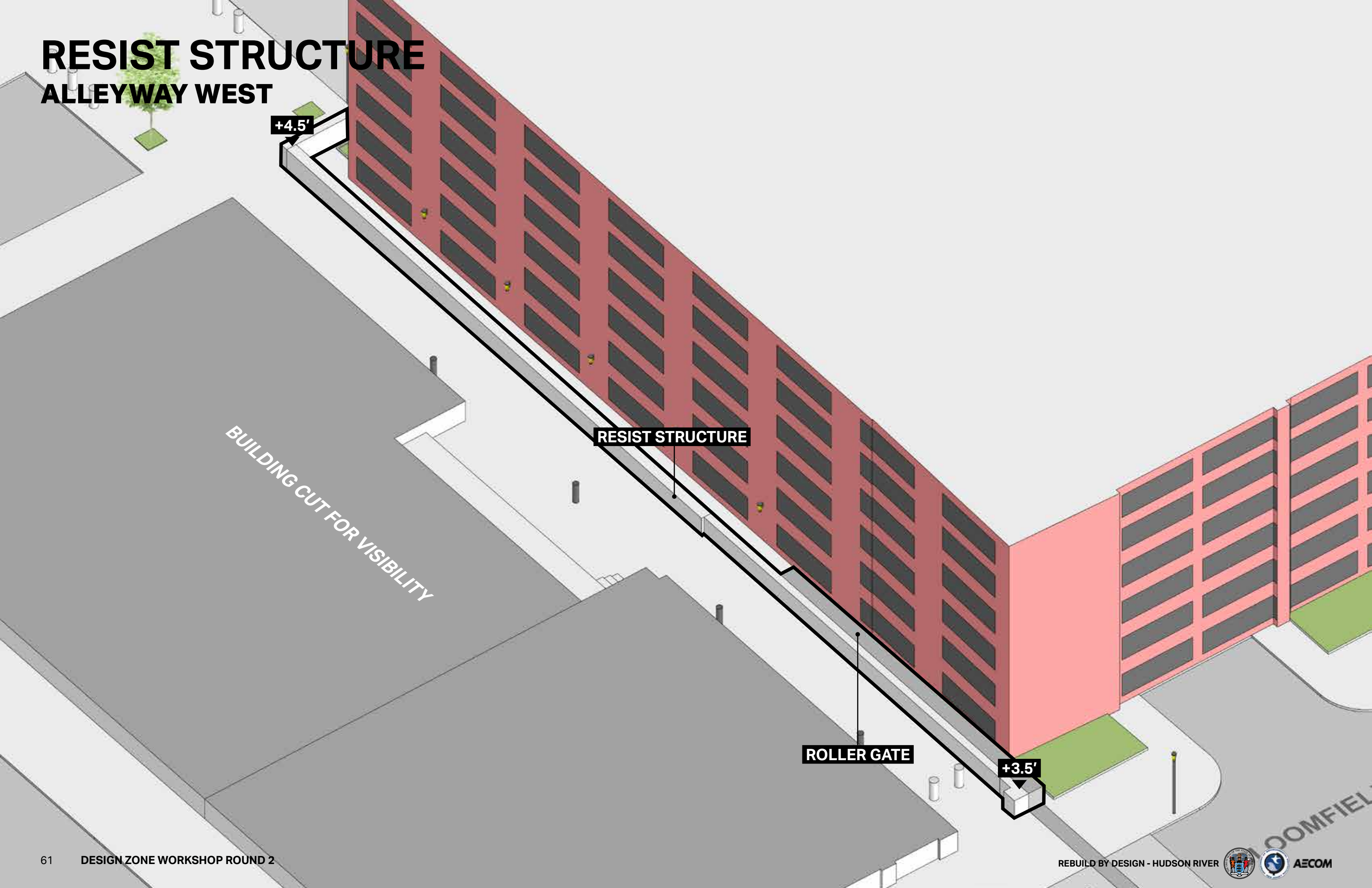
## ALLEYWAY WEST





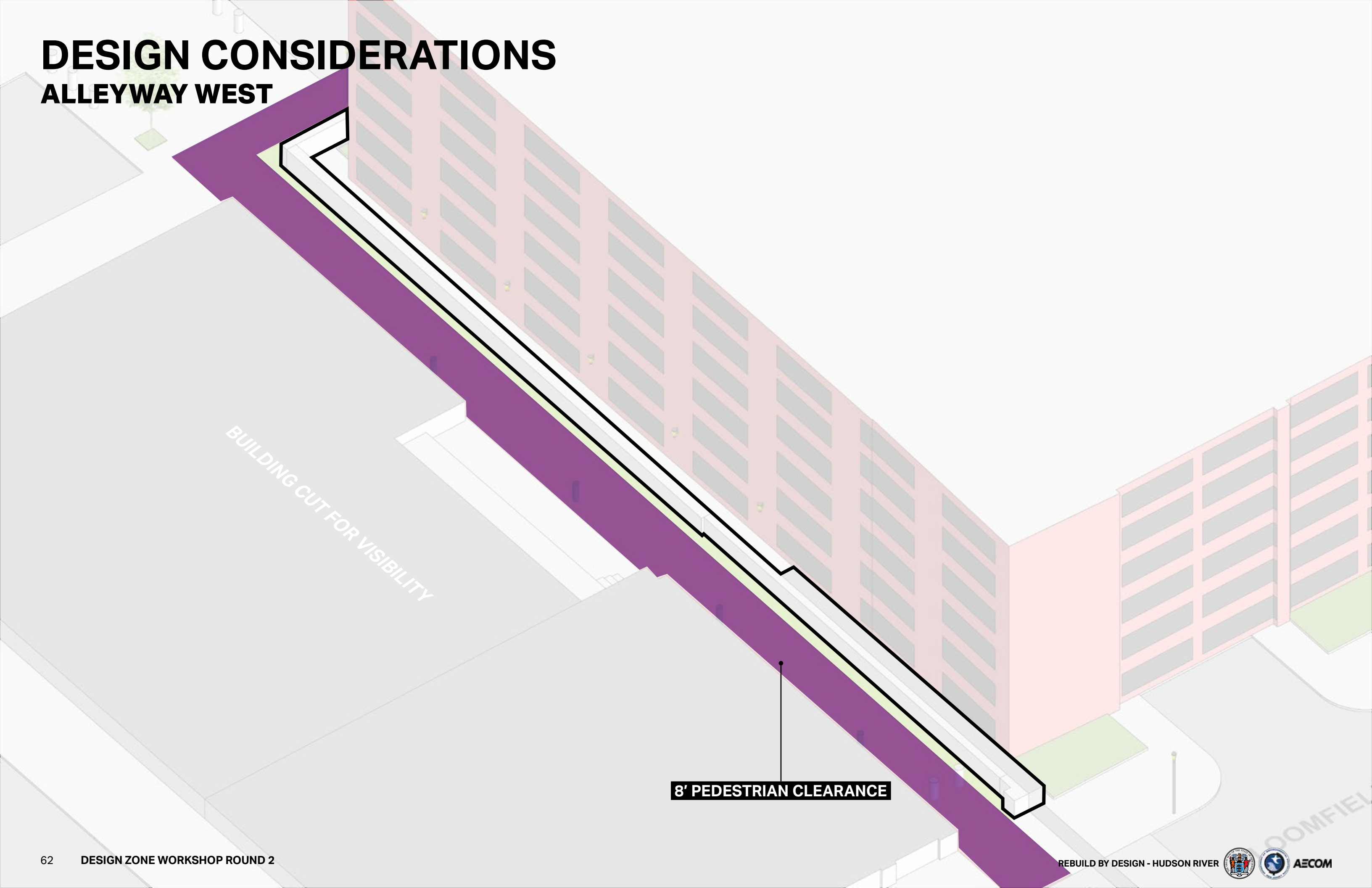
# RESIST STRUCTURE

## ALLEYWAY WEST



# DESIGN CONSIDERATIONS

## ALLEYWAY WEST



BUILDING CUT FOR VISIBILITY

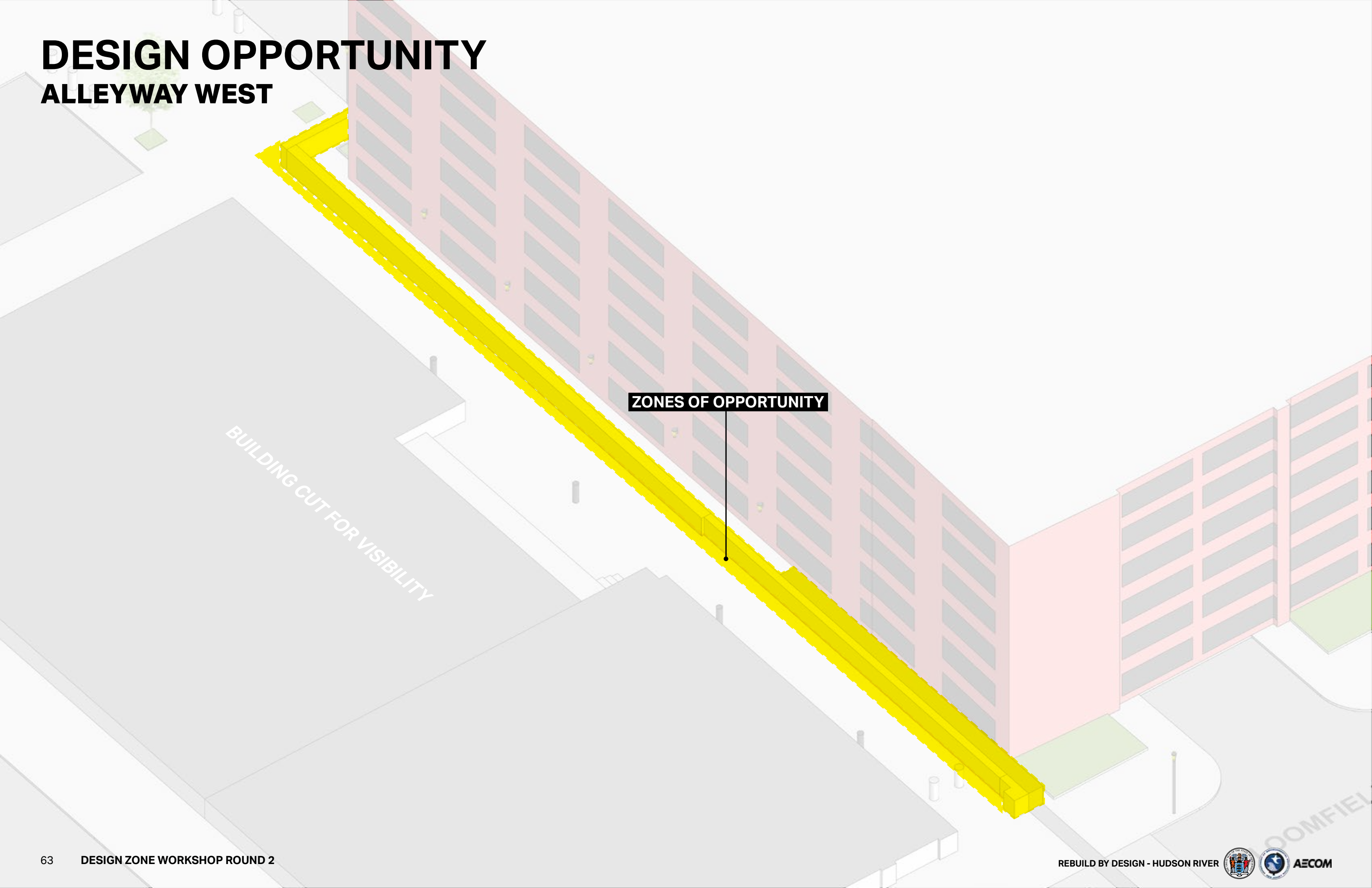
8' PEDESTRIAN CLEARANCE





# DESIGN OPPORTUNITY

## ALLEYWAY WEST



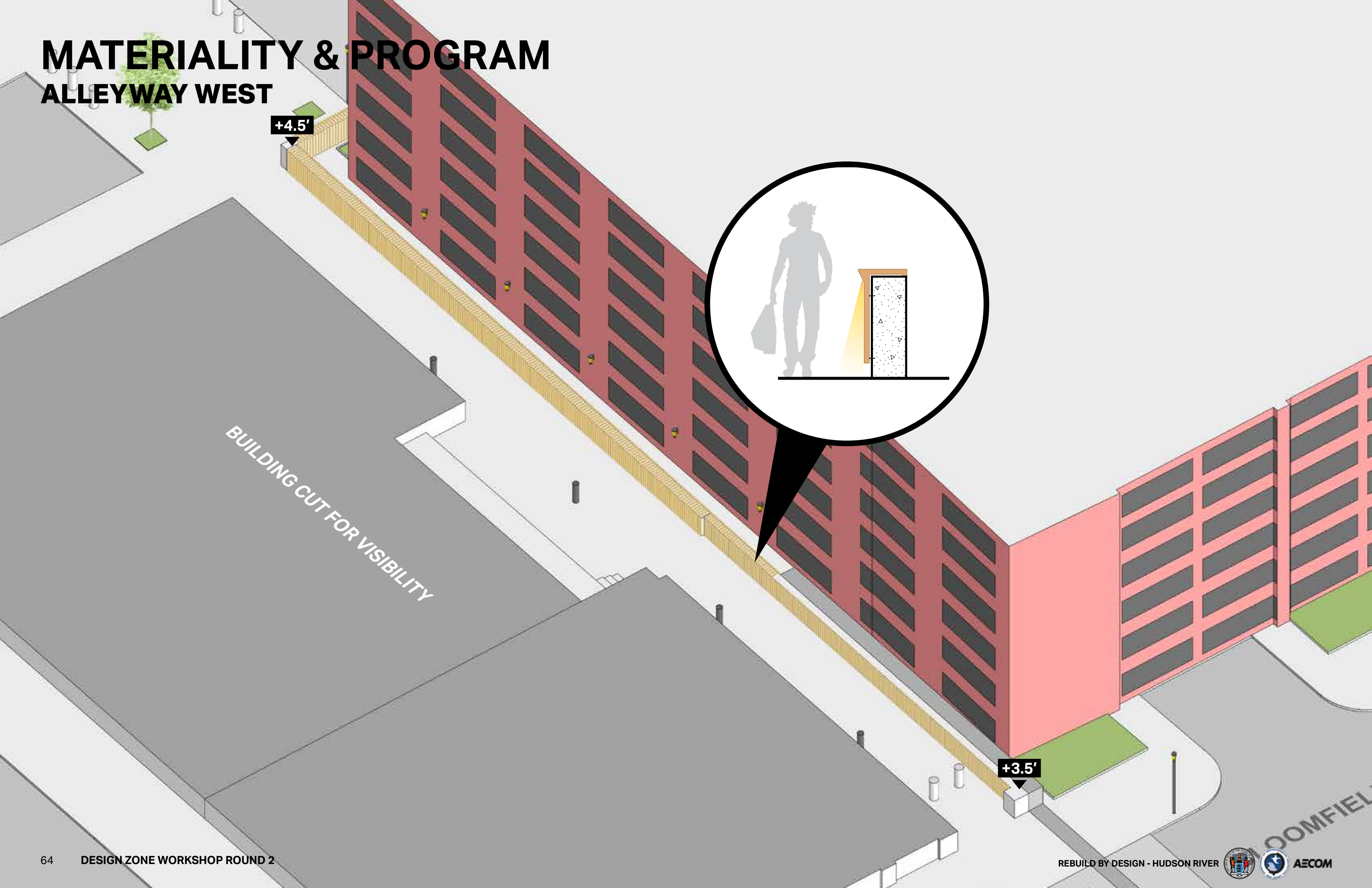
ZONES OF OPPORTUNITY

BUILDING CUT FOR VISIBILITY

DOMFIELD

# MATERIALITY & PROGRAM

## ALLEYWAY WEST



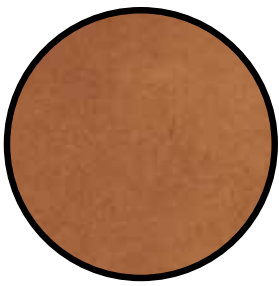


# MATERIALITY & PROGRAM

## ALLEYWAY WEST



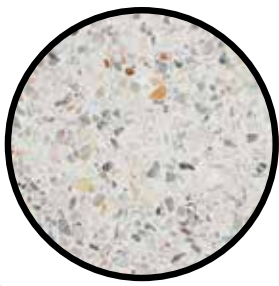
Wooden texture



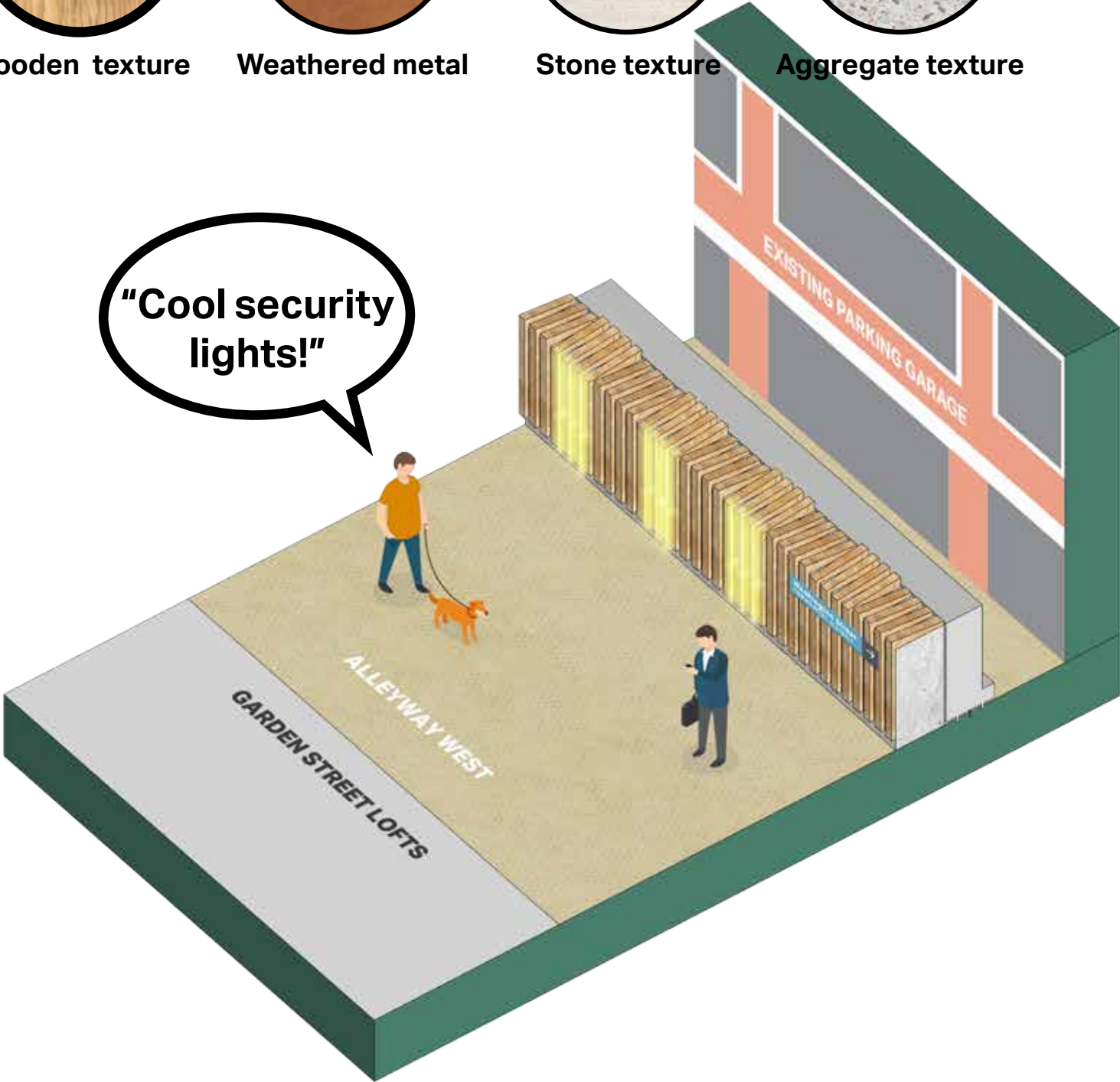
Weathered metal



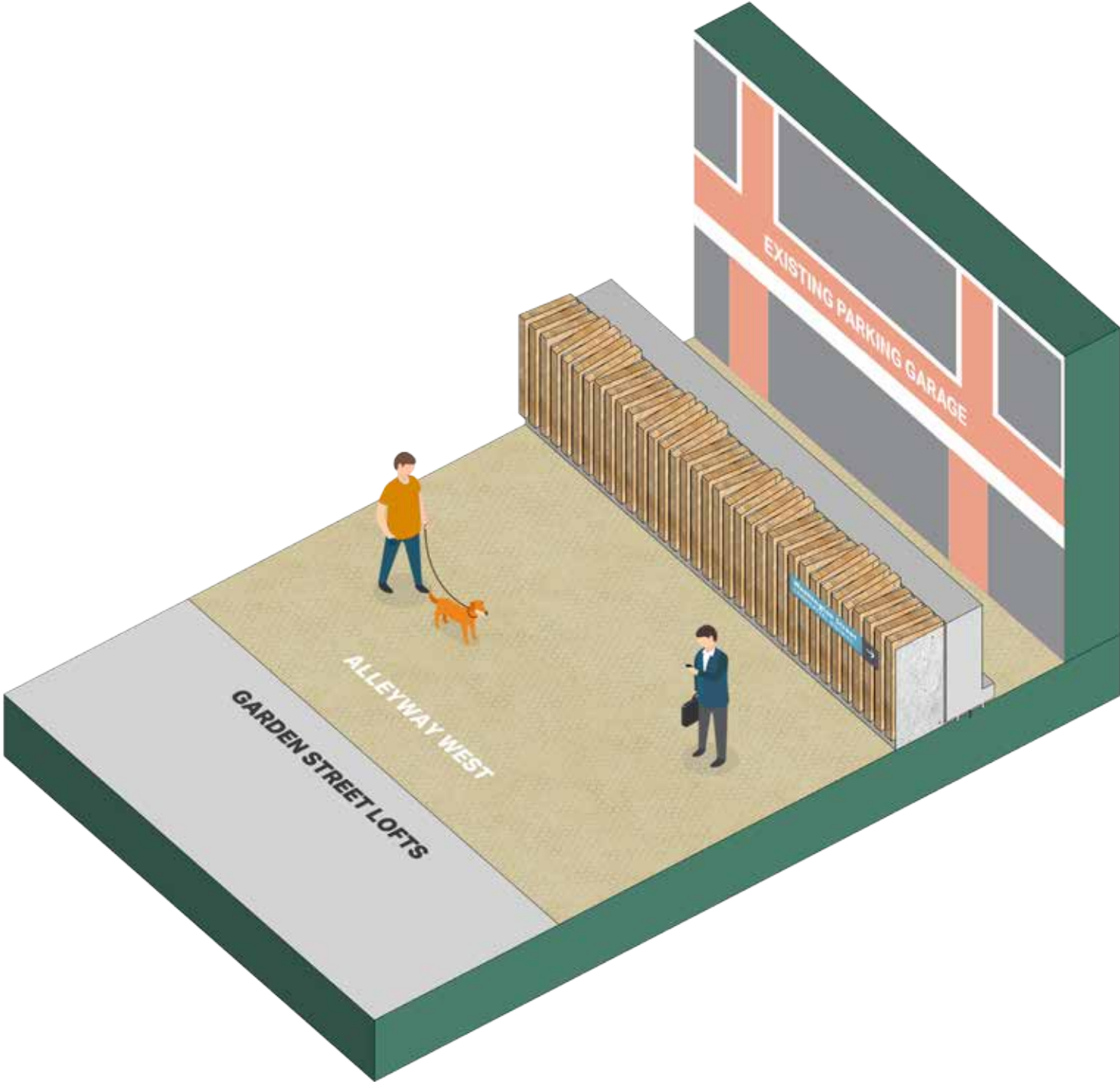
Stone texture



Aggregate texture



Lighting & Wayfinding



Texture & Wayfinding

# MATERIALITY & PROGRAM

## ALLEYWAY WEST



Wooden texture



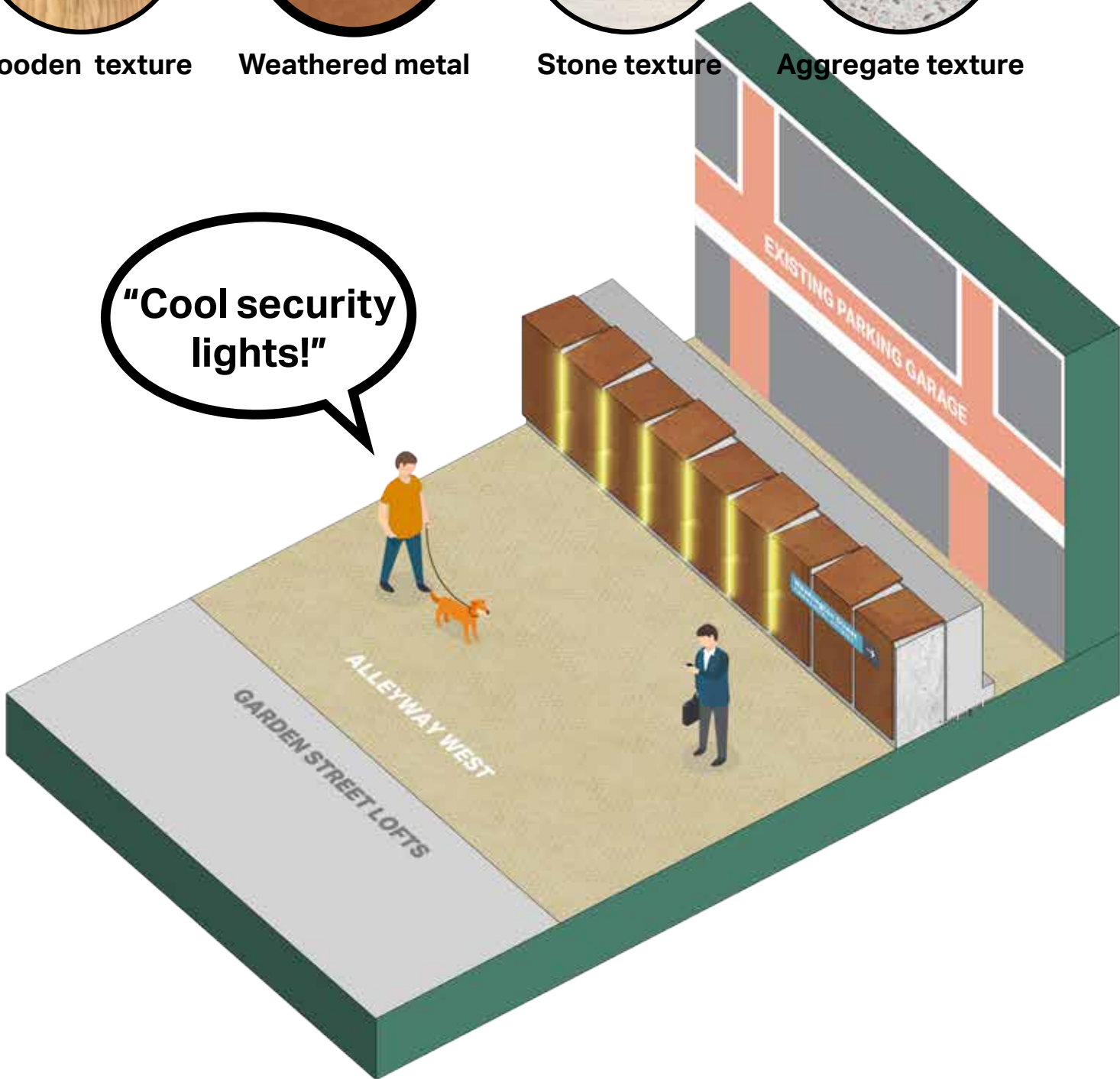
Weathered metal



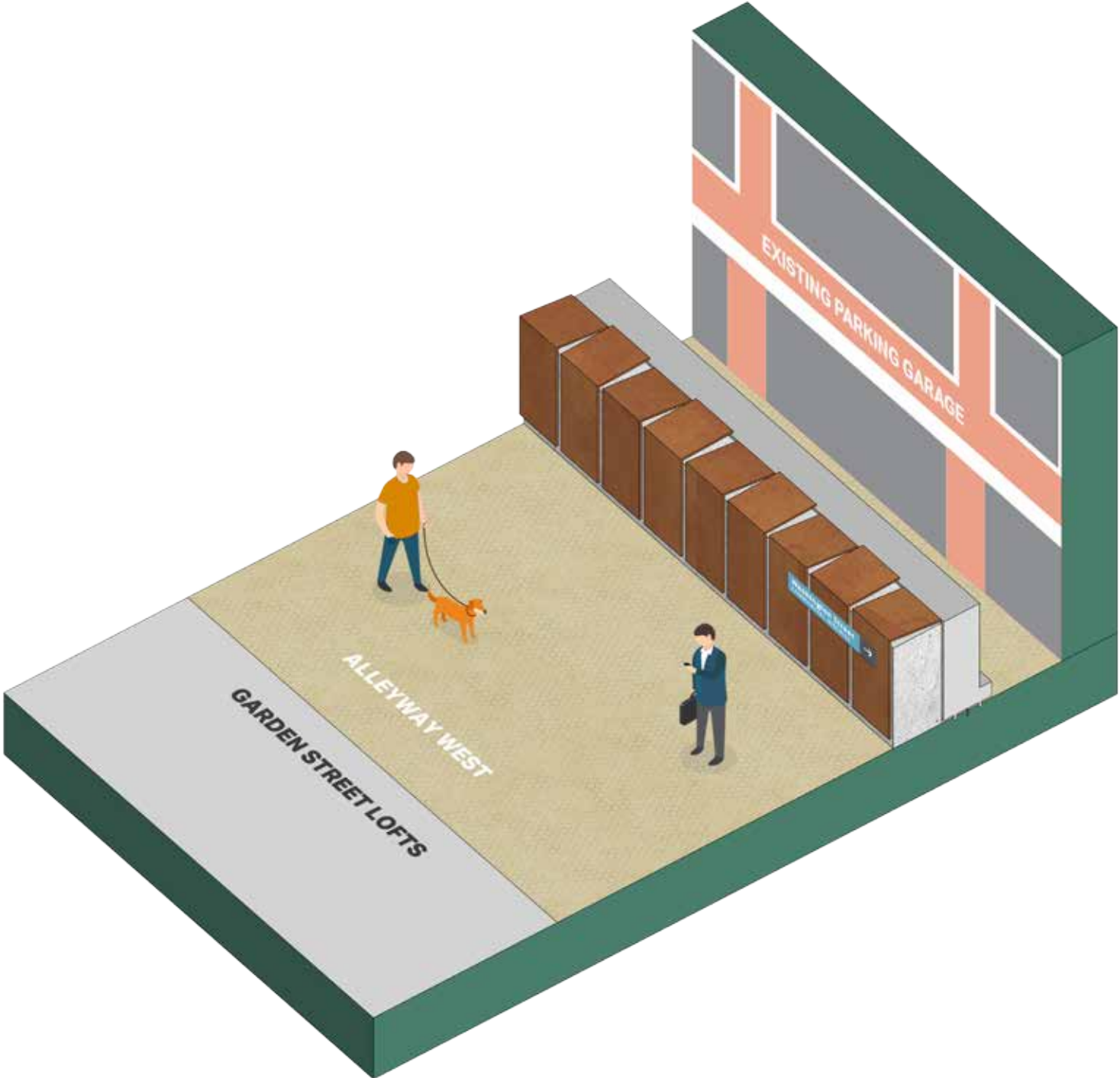
Stone texture



Aggregate texture



Lighting & Wayfinding

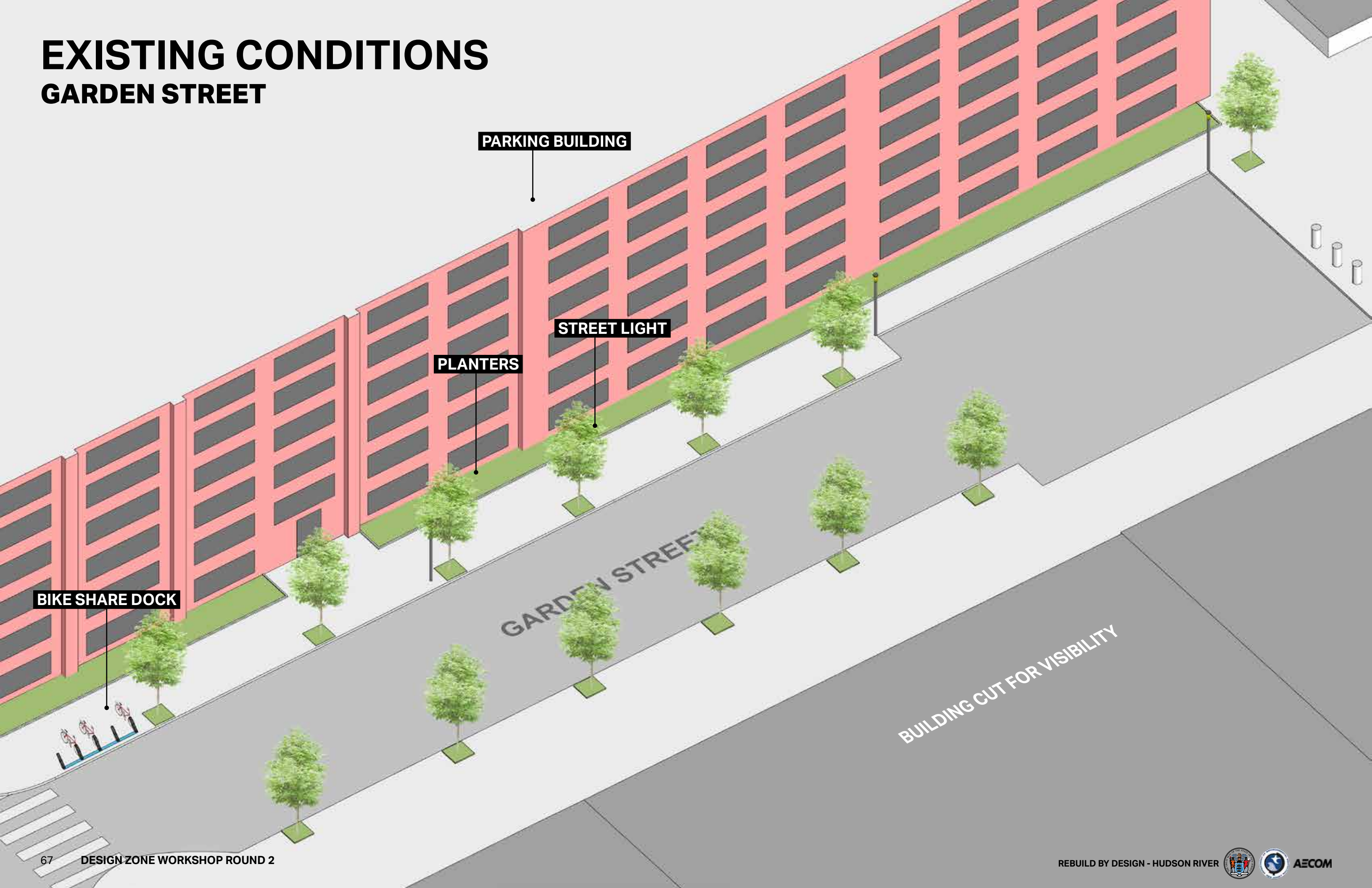


Texture & Wayfinding



# EXISTING CONDITIONS

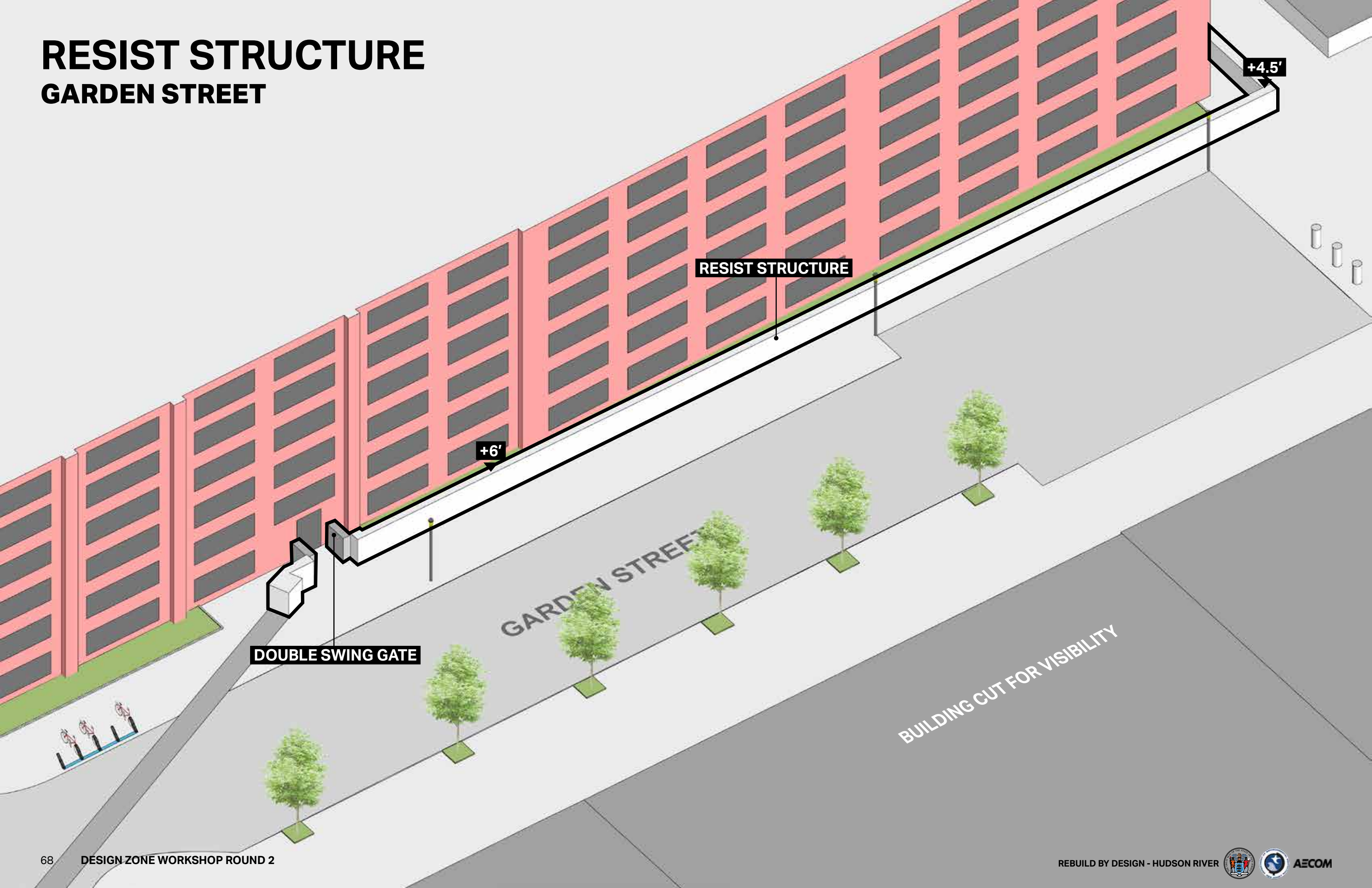
## GARDEN STREET





# RESIST STRUCTURE

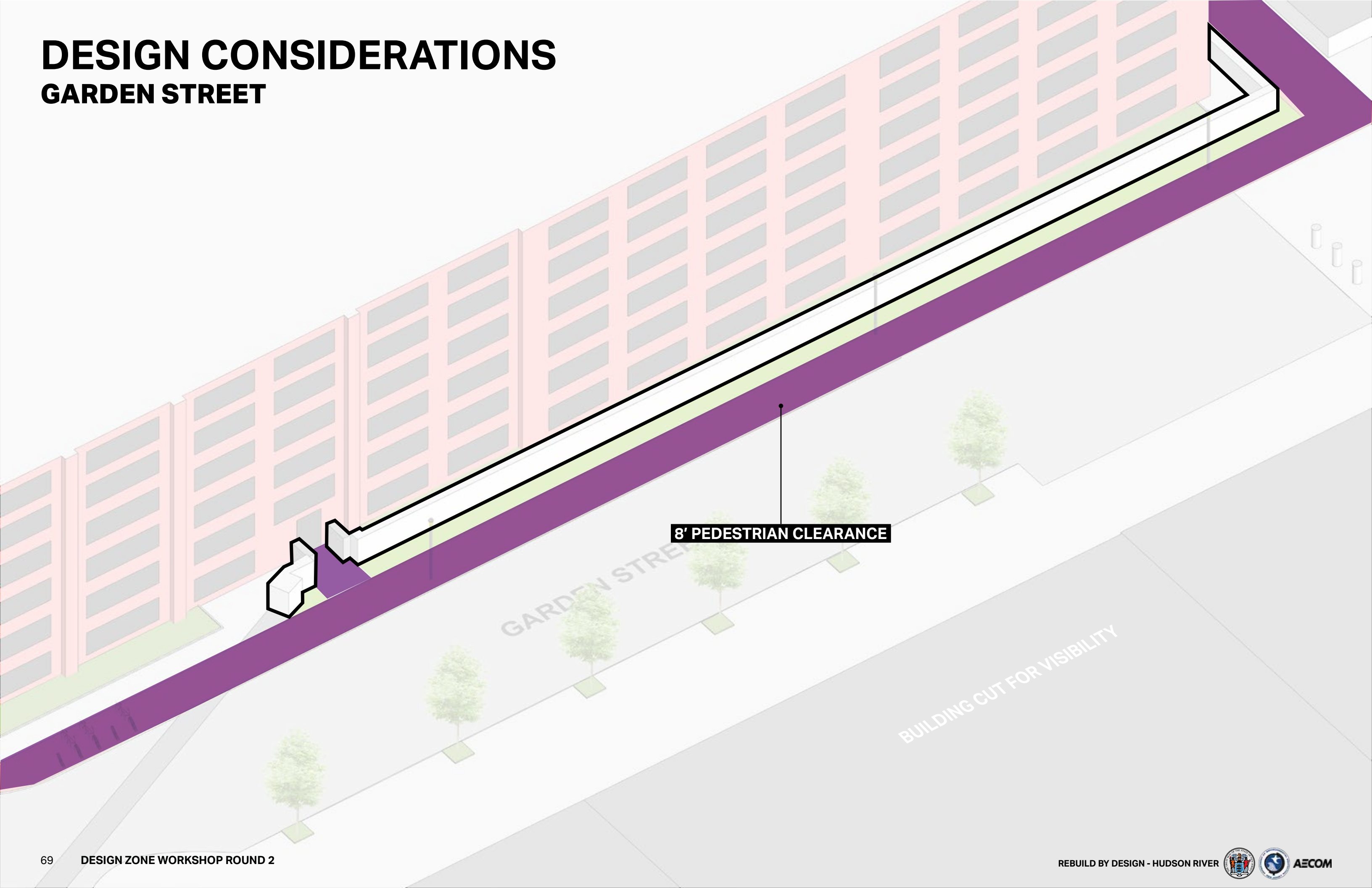
## GARDEN STREET





# DESIGN CONSIDERATIONS

## GARDEN STREET



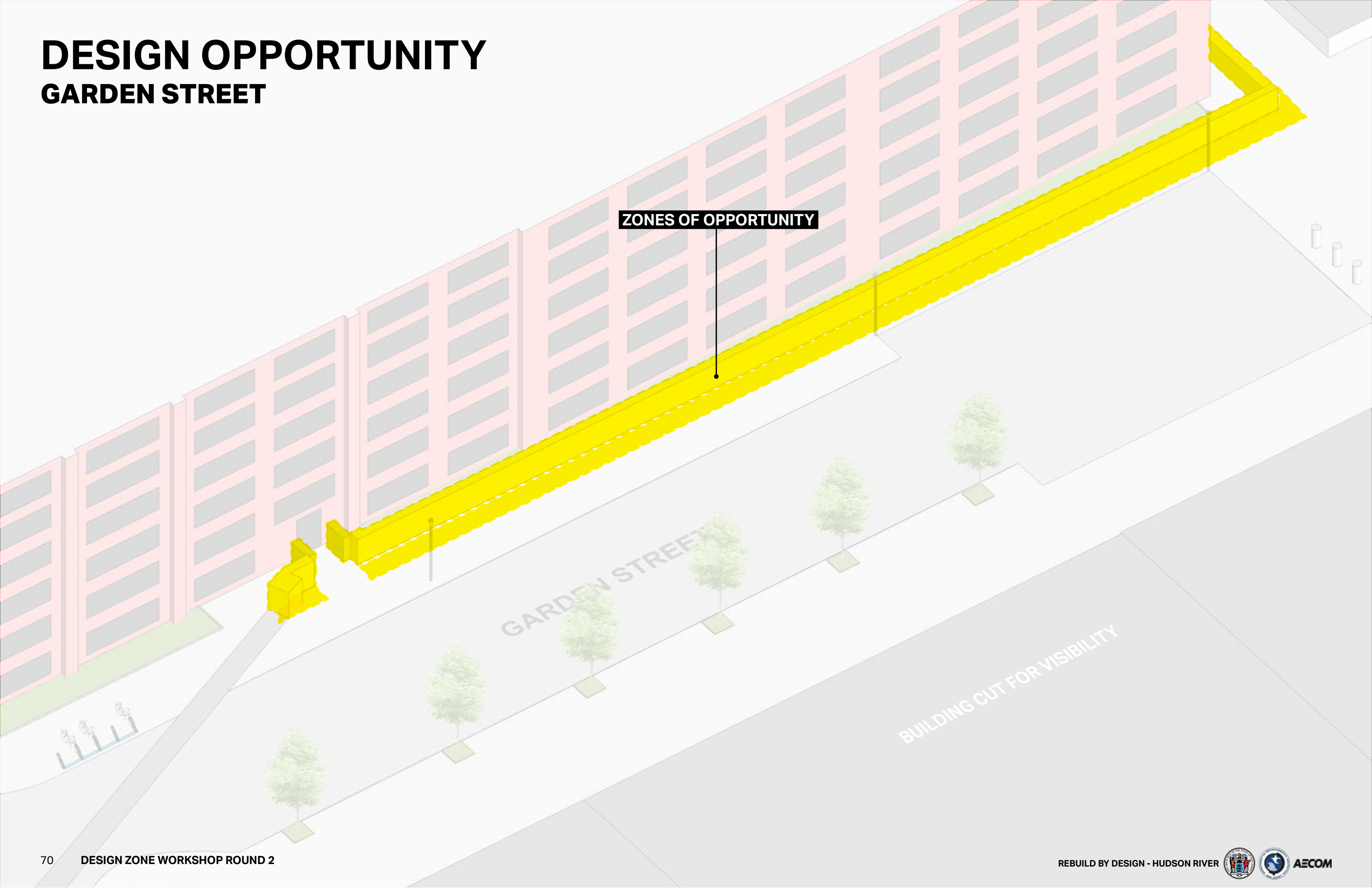
8' PEDESTRIAN CLEARANCE

BUILDING CUT FOR VISIBILITY



# DESIGN OPPORTUNITY

## GARDEN STREET



ZONES OF OPPORTUNITY

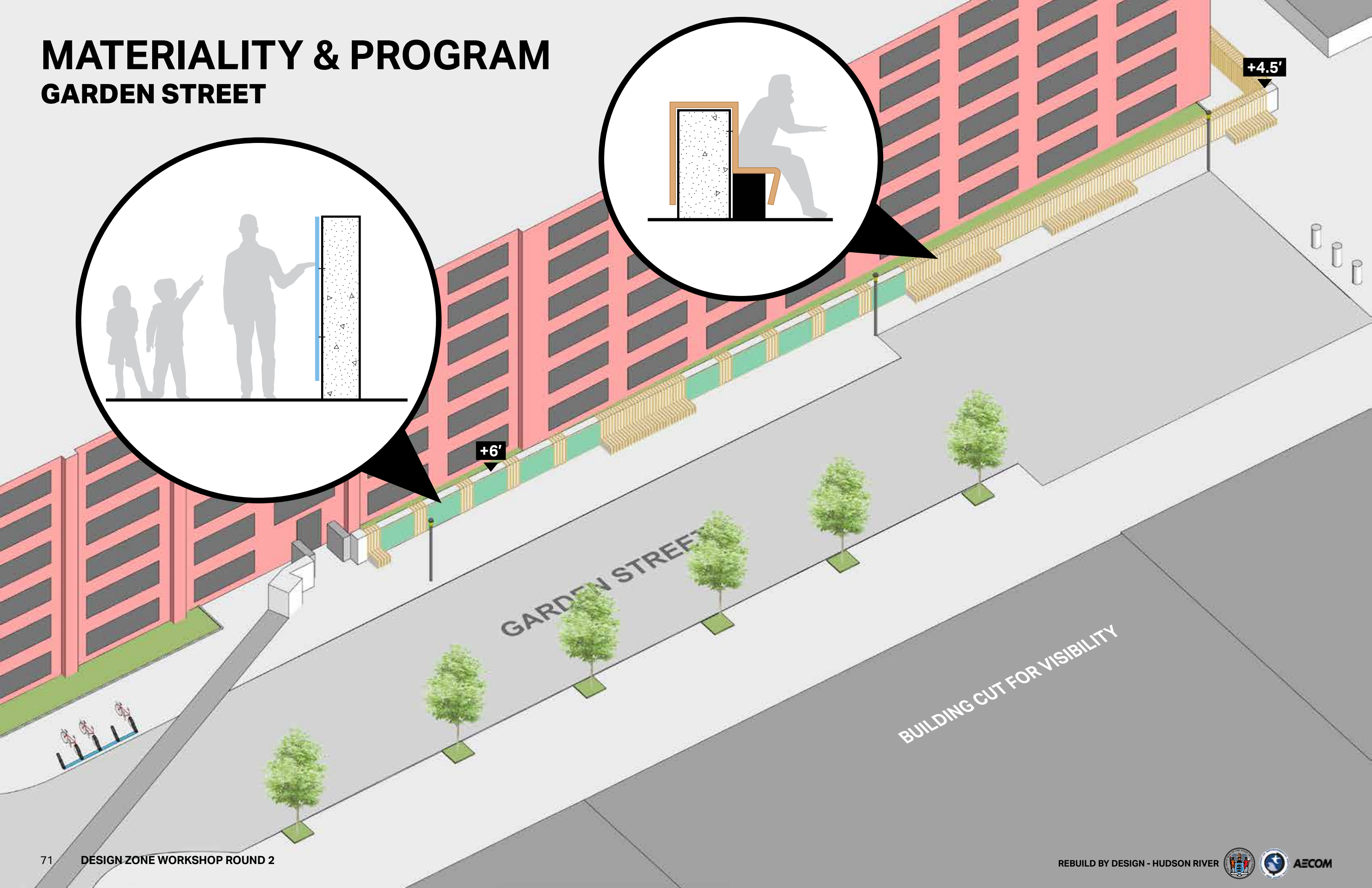
GARDEN STREET

BUILDING CUT FOR VISIBILITY



# MATERIALITY & PROGRAM

## GARDEN STREET



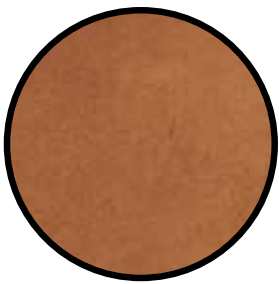


# MATERIALITY & PROGRAM

## GARDEN STREET



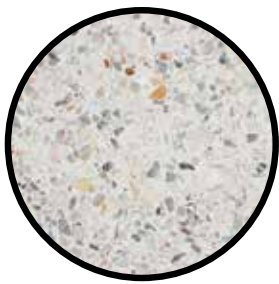
Wooden texture



Weathered metal



Stone texture



Aggregate texture



Flexible Panels



Simple Seating



# MATERIALITY & PROGRAM

## GARDEN STREET



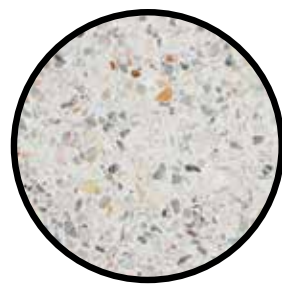
Wooden texture



Weathered metal



Stone texture



Aggregate texture



Flexible Panels



Simple Seating

# NEXT STEPS + KEY DATES

## UPCOMING ENGAGEMENT OPPORTUNITIES

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

- FEBRUARY 2019

- Zone 1+2: February 19th

- **PUBLIC MEETING #3**

- MARCH / APRIL 2019

- **PUBLIC MEETING #4**

- JULY 2019

- **Questions & Comments:**

[rbd-hudsonriver@dep.nj.gov](mailto: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](http://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

**CHRISTY CHENG, 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



**COLBY SEIBERT**  
Project Engineer



**RAN WEI**  
Landscape Designer



**TIMOTHY HO, OMA**  
Community Engagement



**LAUREN MICIR**  
Landscape Designer



**DANIEL SGRIZZI**  
Landscape Designer



**ANNA MARSHALL**  
Project Specialist

END