

REBUILD BY DESIGN **HUDSON RIVER**

JERSEY CITY HOBOKEN WEEHAWKEN | NEW JERSEY



PUBLIC MEETING

DECEMBER 12, 2019

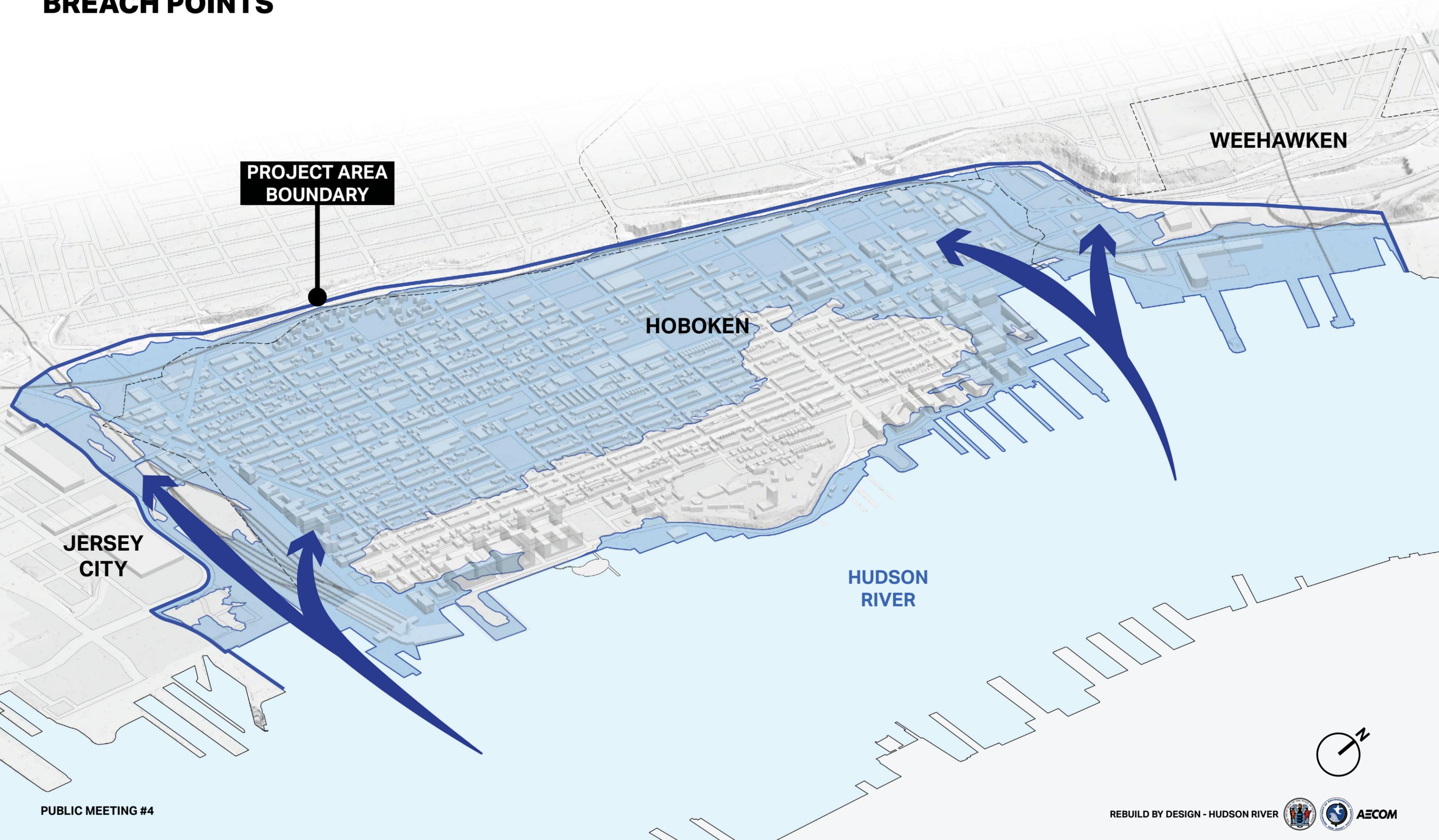


AECOM

New Jersey Department of Environmental Protection Climate & Flood Resilience Program Bureau of Climate Resilience Design & Engineering



SUPERSTORM SANDY BREACH POINTS



**PROJECT AREA
BOUNDARY**

WEEHAWKEN

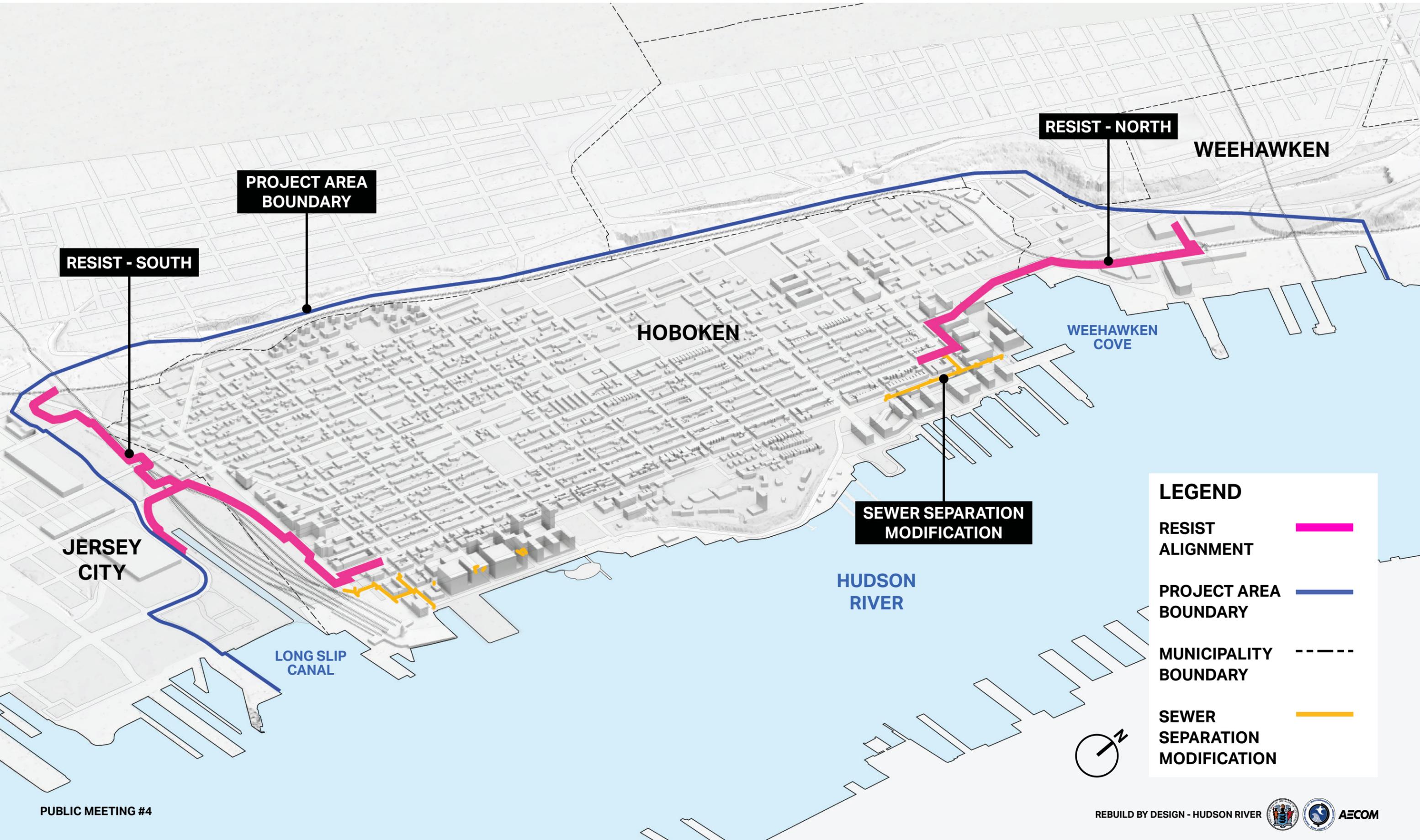
HOBOKEN

**JERSEY
CITY**

**HUDSON
RIVER**



RESIST COMPONENTS



MEETING AGENDA

1. COVE PARK UPDATE

2. URBAN AMENITY DESIGN

3. SEWER SYSTEM MODIFICATION

4. PROJECT UPDATE - OVERALL LOOK

**5. BREAKOUT FOR DISCUSSIONS WITH
THE DESIGN TEAM**

THE TEAM

WHO YOU WILL SEE TONIGHT FROM THE AECOM PROJECT TEAM



Presenter

ERIC OLSEN
Landscape Architecture /
Urban Design and Community
Engagement



Presenter

CHRISTY CHENG, OMA
Urban Design / Community
Engagement



Presenter

TOM VARGO PE, CCM
Senior Design / Construction
Engineer



KAREN APPELL PE, CPESC
Project Manager



CHRISTOPHER BENOSKY
PE, CFM
Project Executive



TIMOTHY HO, OMA
Urban Design / Community
Engagement



CLAUDIA DA COSTA, OMA
Urban Design / Community
Engagement



PATO FERNANDEZ, OMA
Urban Design / Community
Engagement



BEN VAN SCHAAYK, OMA
Urban Design / Community
Engagement

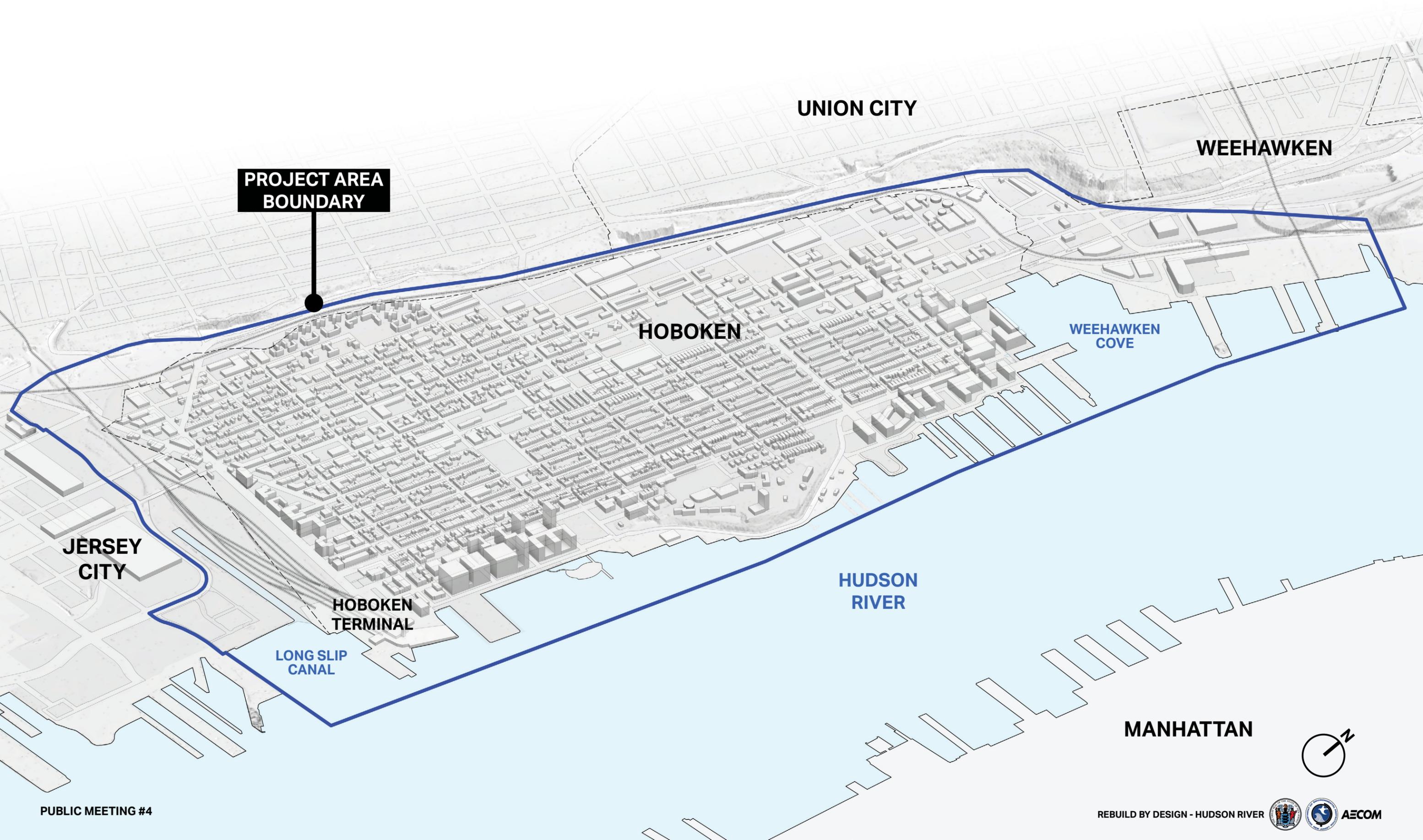


RAN WEI
Landscape Designer



COLBY SEIBERT
Project Engineer

PROJECT AREA



**PROJECT AREA
BOUNDARY**

UNION CITY

WEEHAWKEN

HOBOKEN

**WEEHAWKEN
COVE**

**JERSEY
CITY**

**HOBOKEN
TERMINAL**

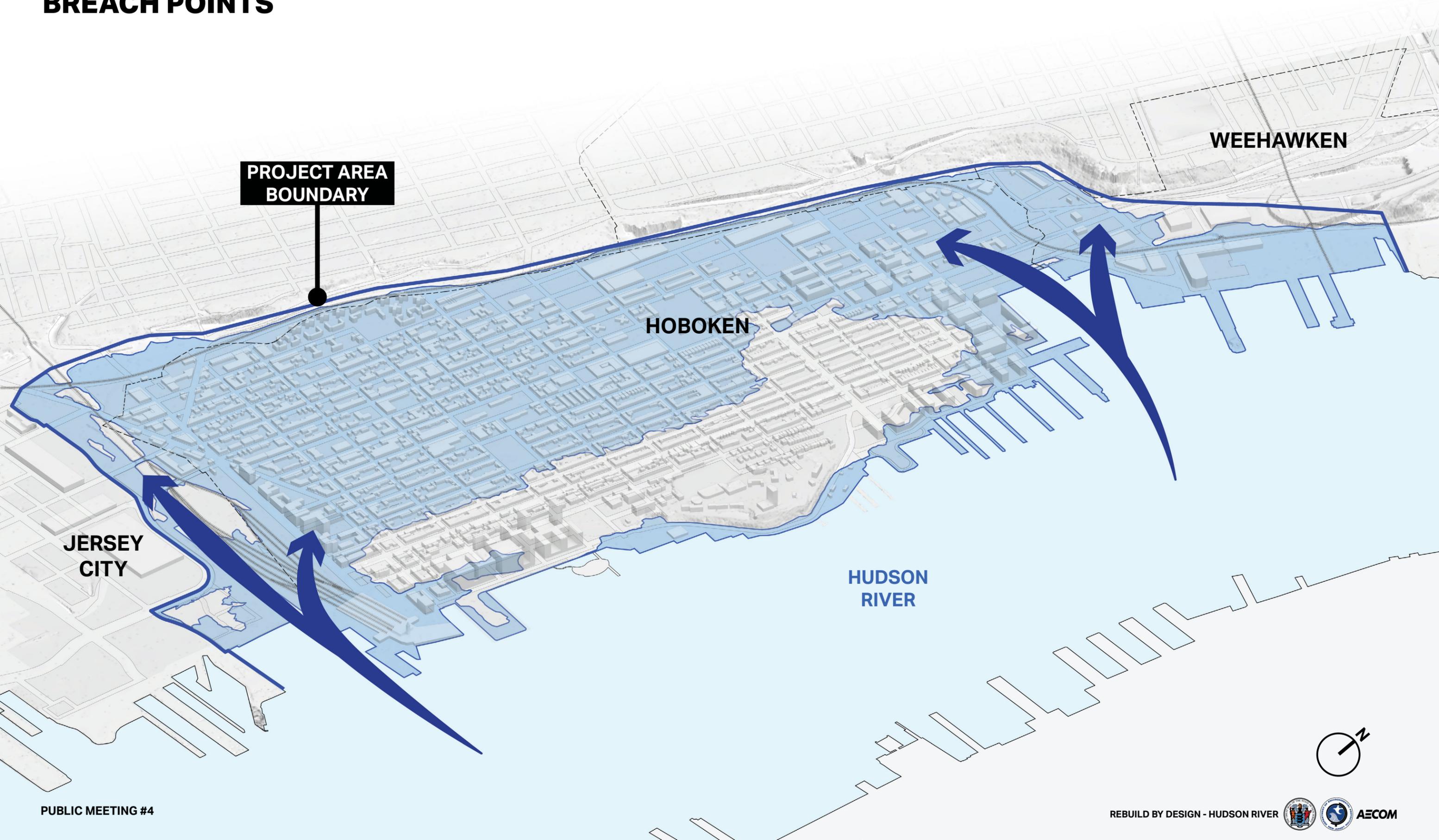
**LONG SLIP
CANAL**

**HUDSON
RIVER**

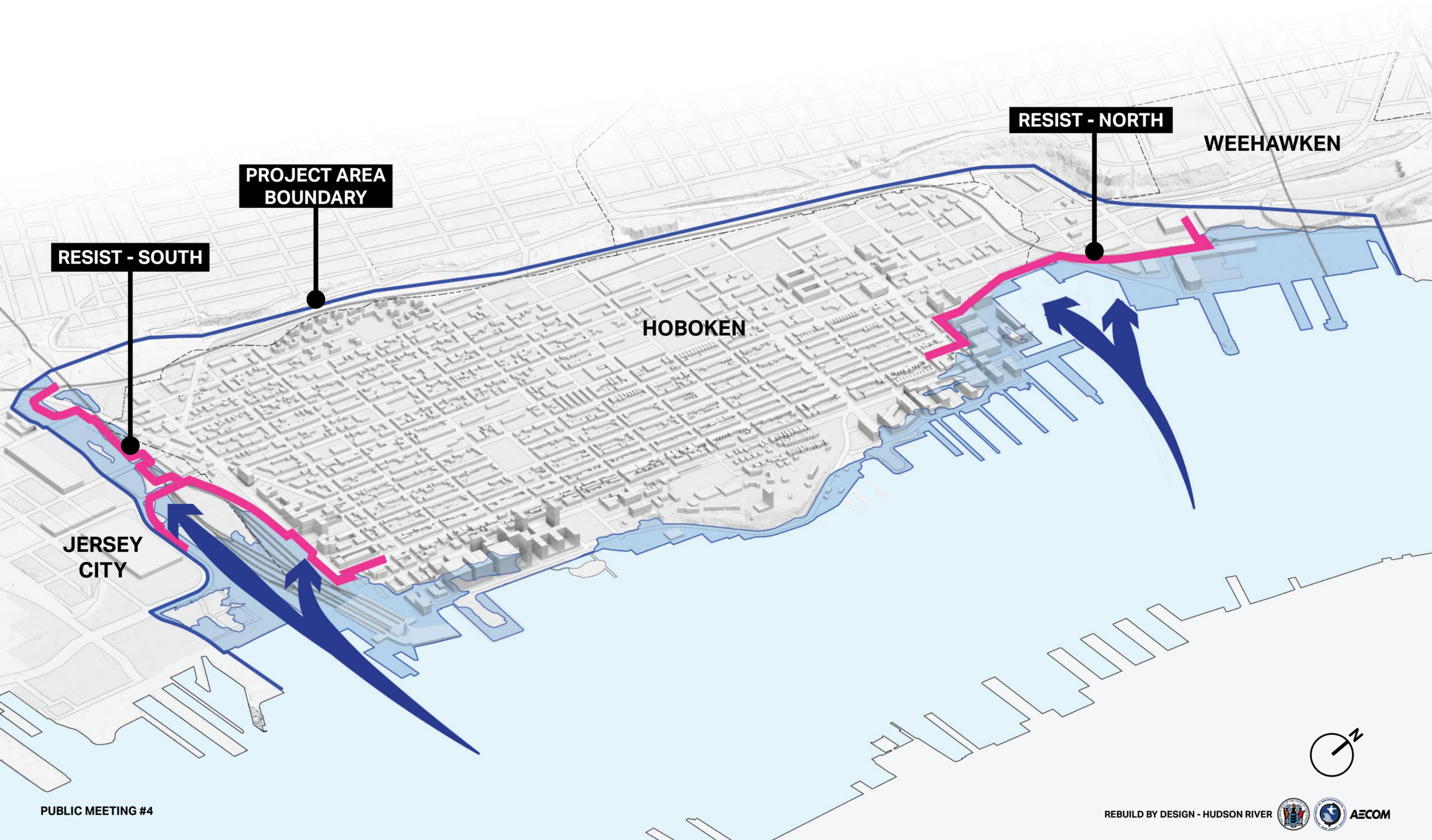
MANHATTAN



SUPERSTORM SANDY BREACH POINTS

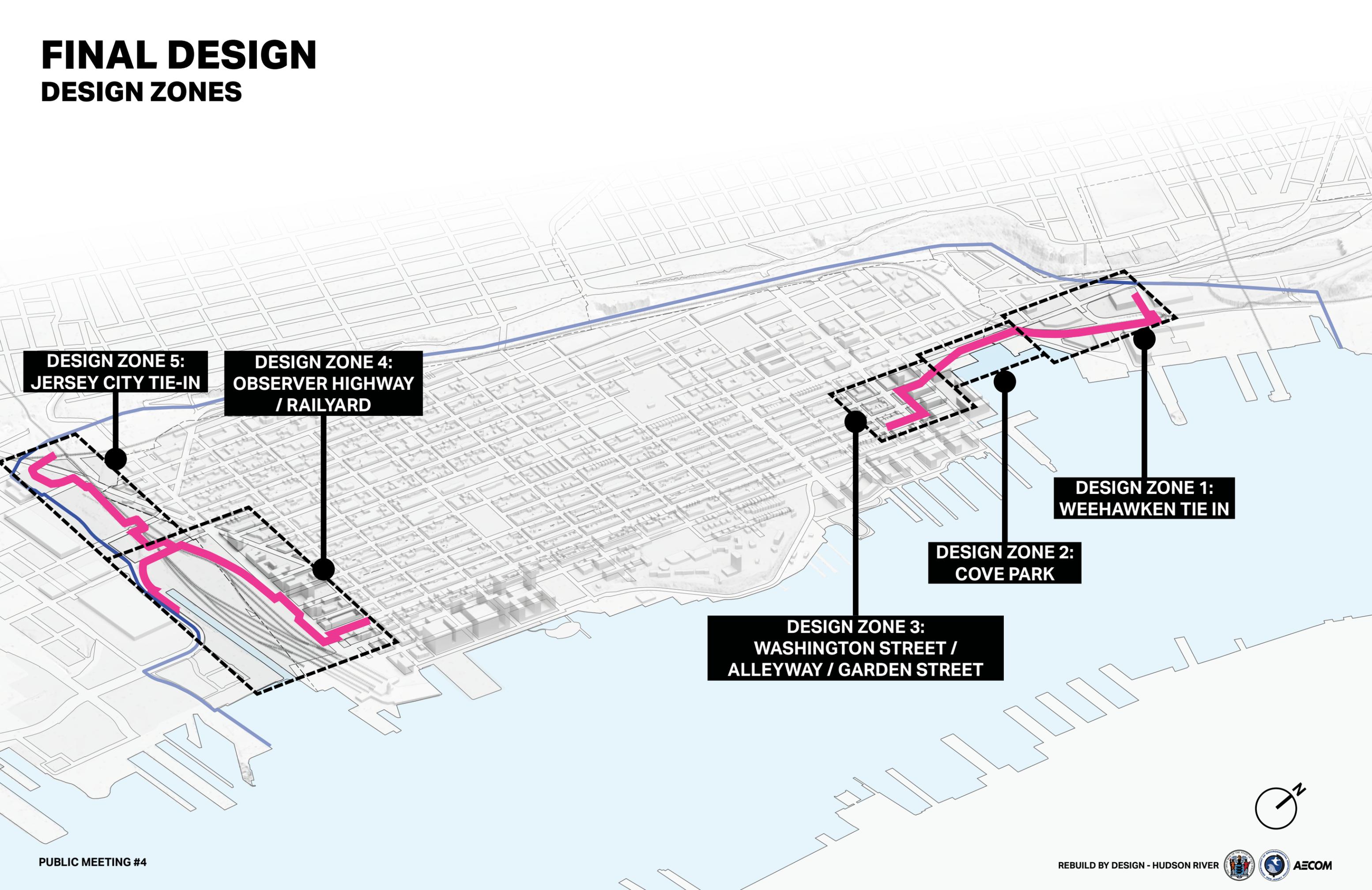


RESIST ALIGNMENT

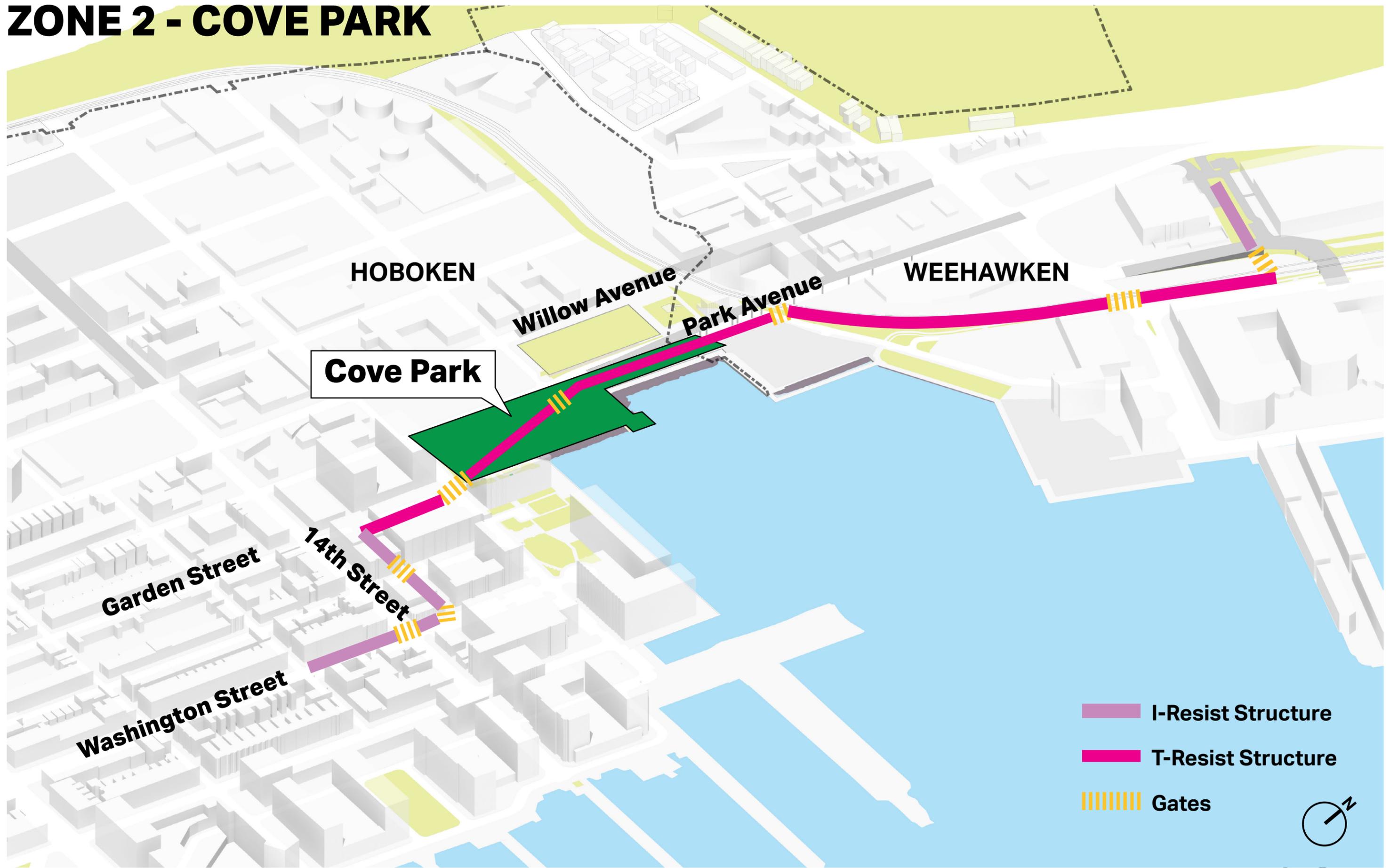


FINAL DESIGN

DESIGN ZONES

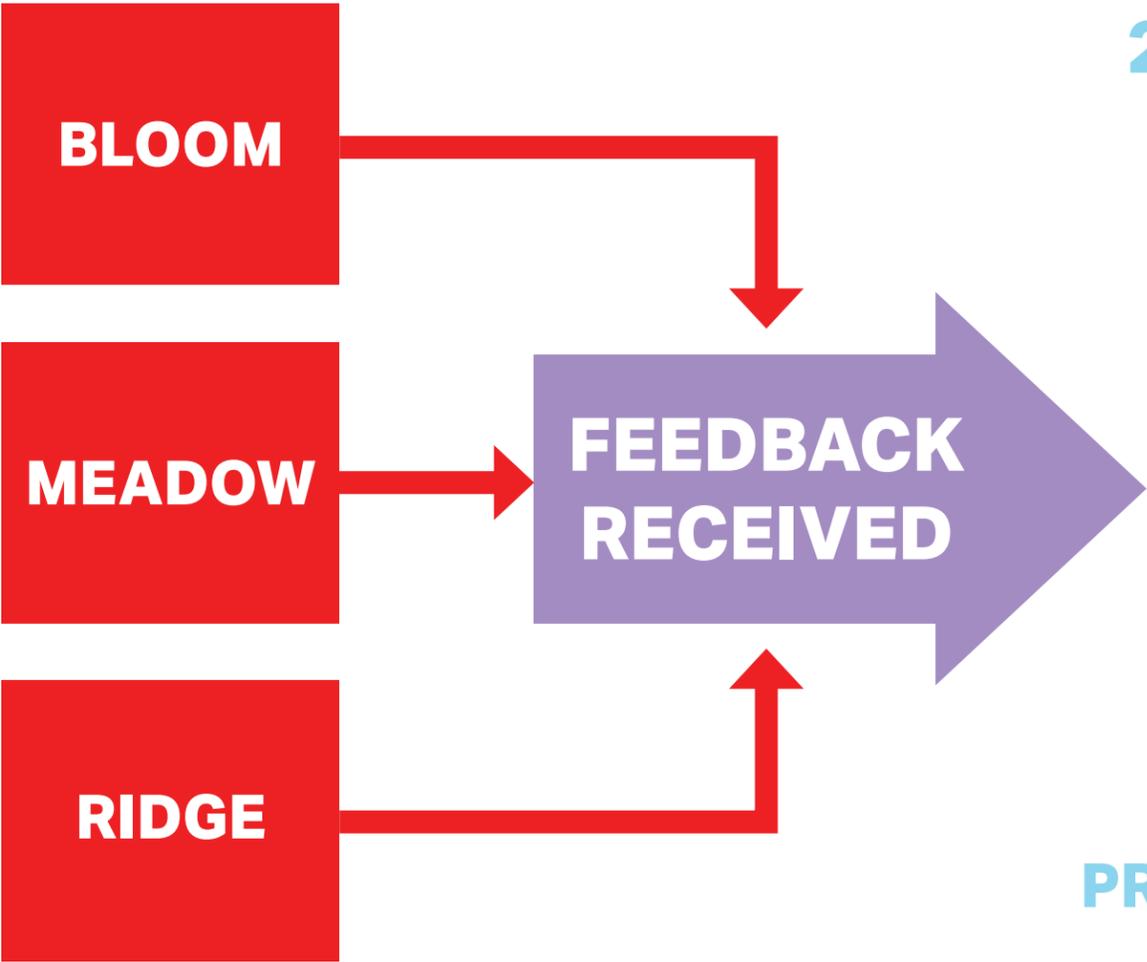


ZONE 2 - COVE PARK



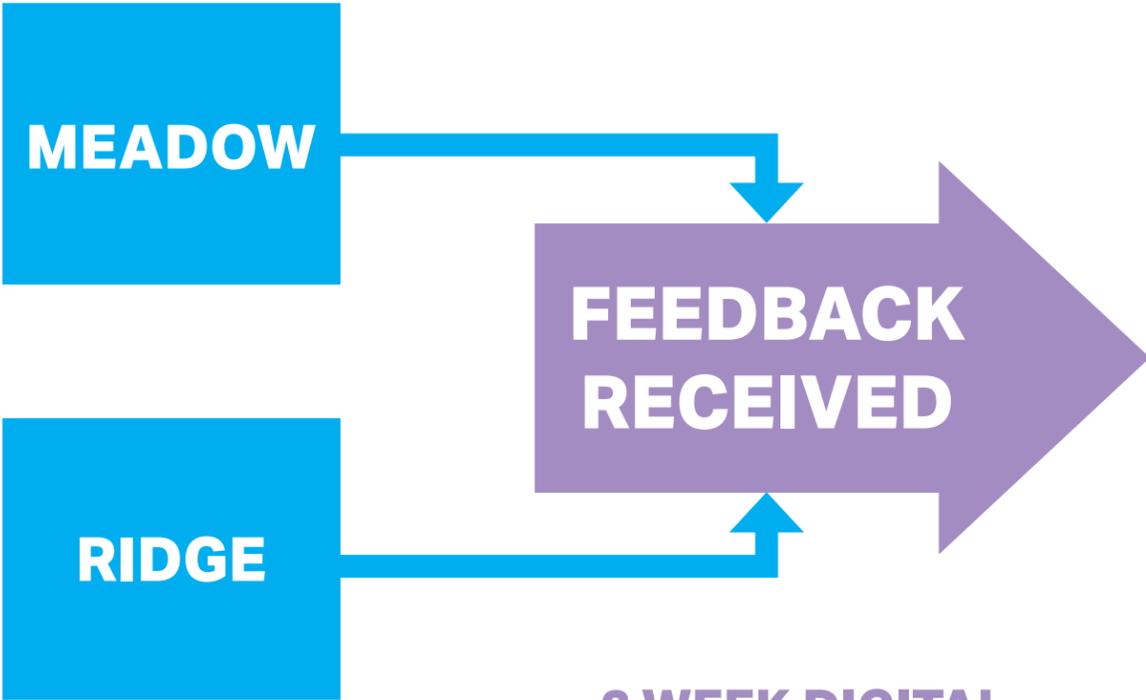
ZONE 2 - COVE PARK DESIGN PROCESS

3 CONCEPTS



PRESENTED AT DZW
ROUND 2 MEETINGS IN
FEBRUARY, 2019

2 CONCEPTS



PRESENTED JUNE,
2019

3 WEEK DIGITAL
SURVEY PERIOD

PREFERRED CONCEPT



TONIGHT

ZONE 2 - COVE PARK DESIGN PROCESS

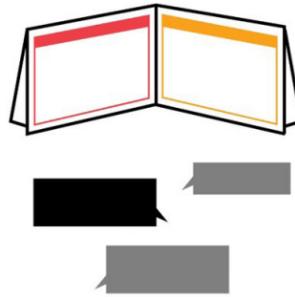


MEADOW



RIDGE

**DIGITAL SURVEY
1,043 PARTICIPANTS**

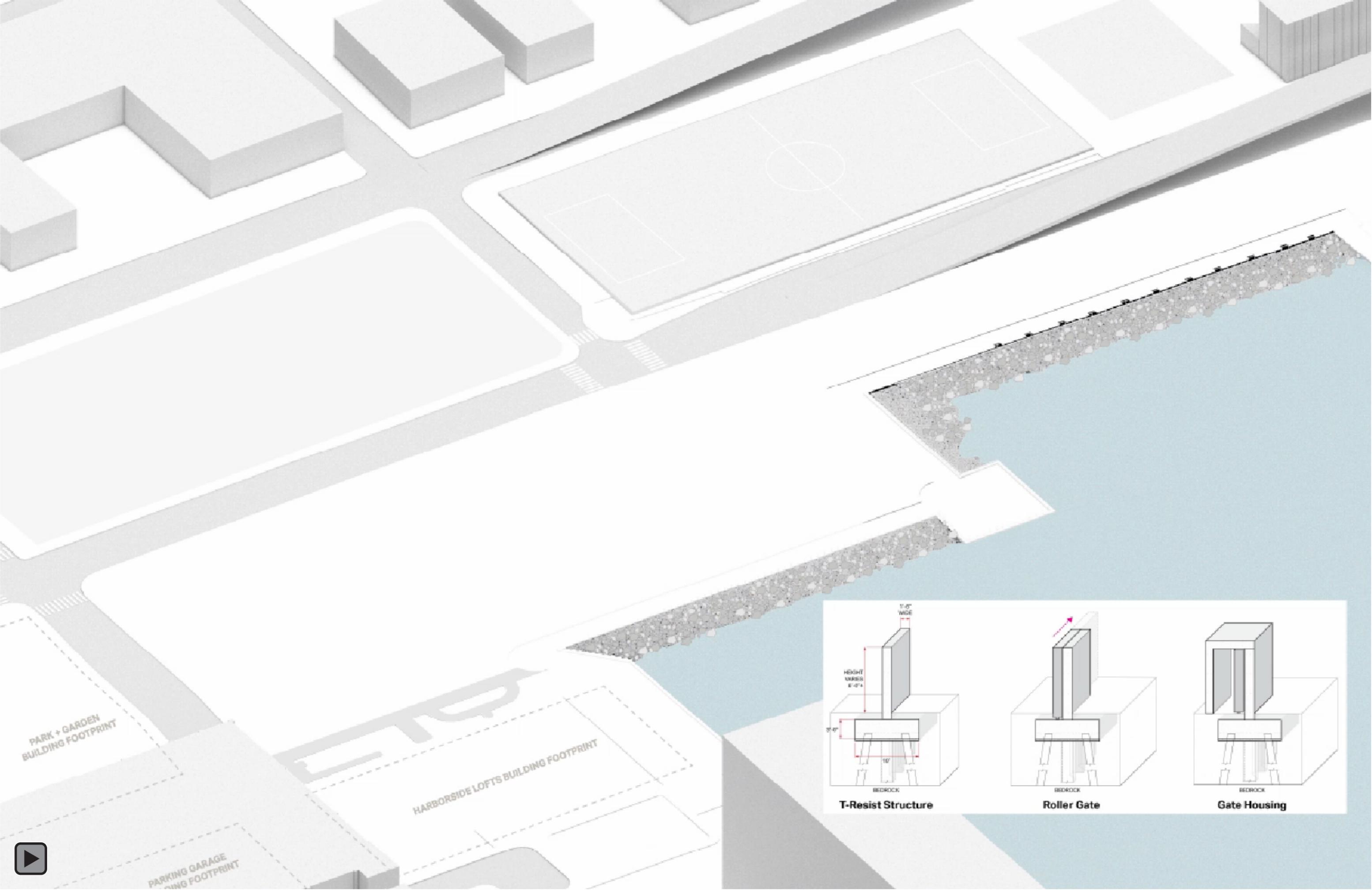


**PAMPHLET
28 RECEIVED**



MEADOW

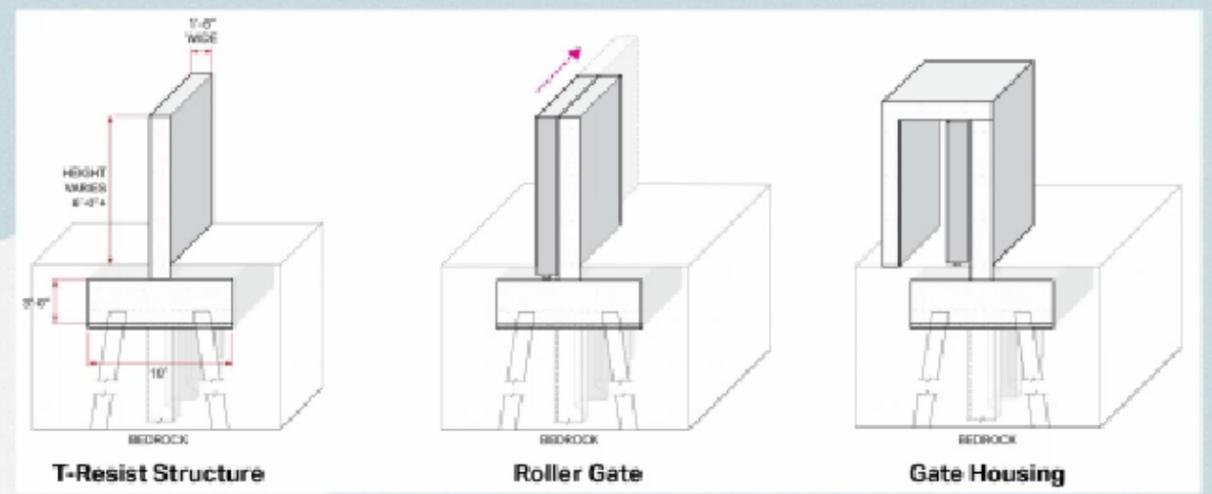
THE MEADOW



PARK + GARDEN BUILDING FOOTPRINT

HARBORSIDE LOFTS BUILDING FOOTPRINT

PARKING GARAGE BUILDING FOOTPRINT

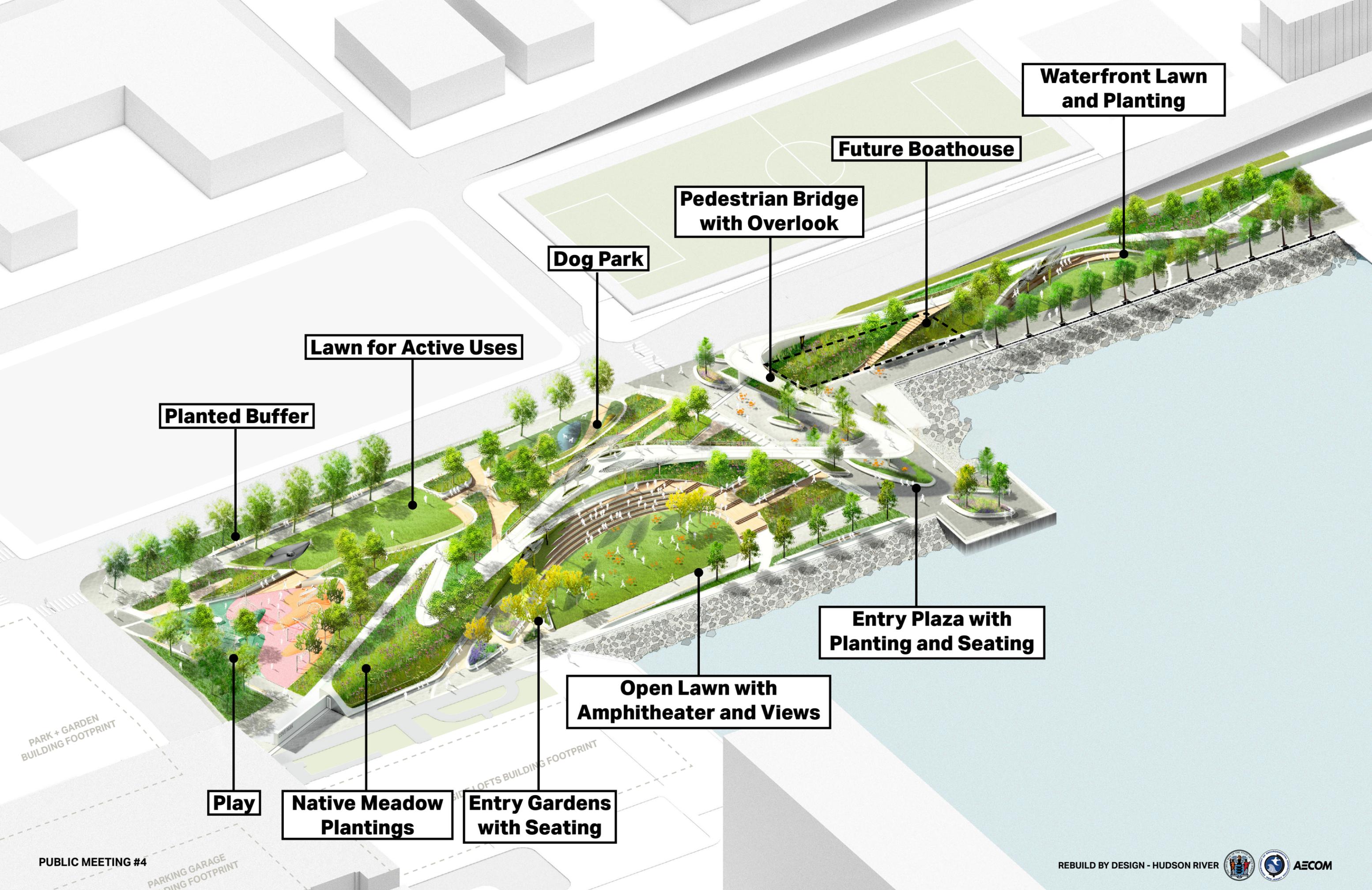


T-Resist Structure

Roller Gate

Gate Housing





Waterfront Lawn and Planting

Future Boathouse

Pedestrian Bridge with Overlook

Dog Park

Lawn for Active Uses

Planted Buffer

Entry Plaza with Planting and Seating

Open Lawn with Amphitheater and Views

Play

Native Meadow Plantings

Entry Gardens with Seating

PARK + GARDEN BUILDING FOOTPRINT

LOFTS BUILDING FOOTPRINT

PARKING GARAGE BUILDING FOOTPRINT



**ZONES 3 AND 4
DESIGN STRATEGY**

PROJECT TIMELINE

COMPETITION TO IMPLEMENTATION

COMPETITION

FEASIBILITY

**FINAL DESIGN
+
CONSTRUCTION**

2013

2014

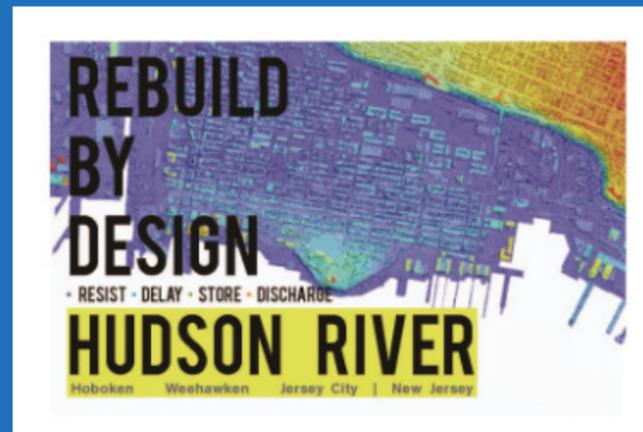
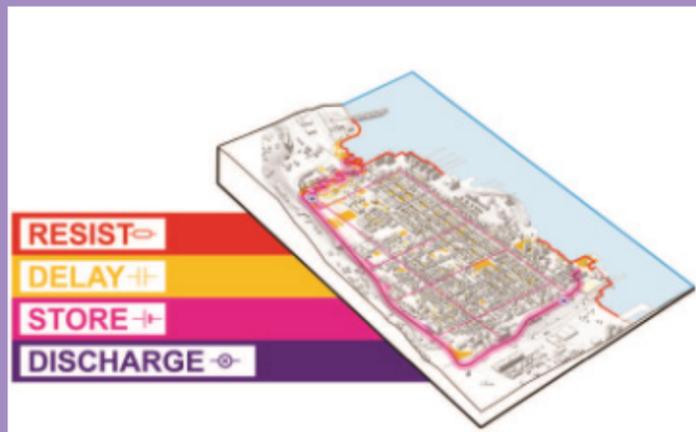
2015

2016

2017

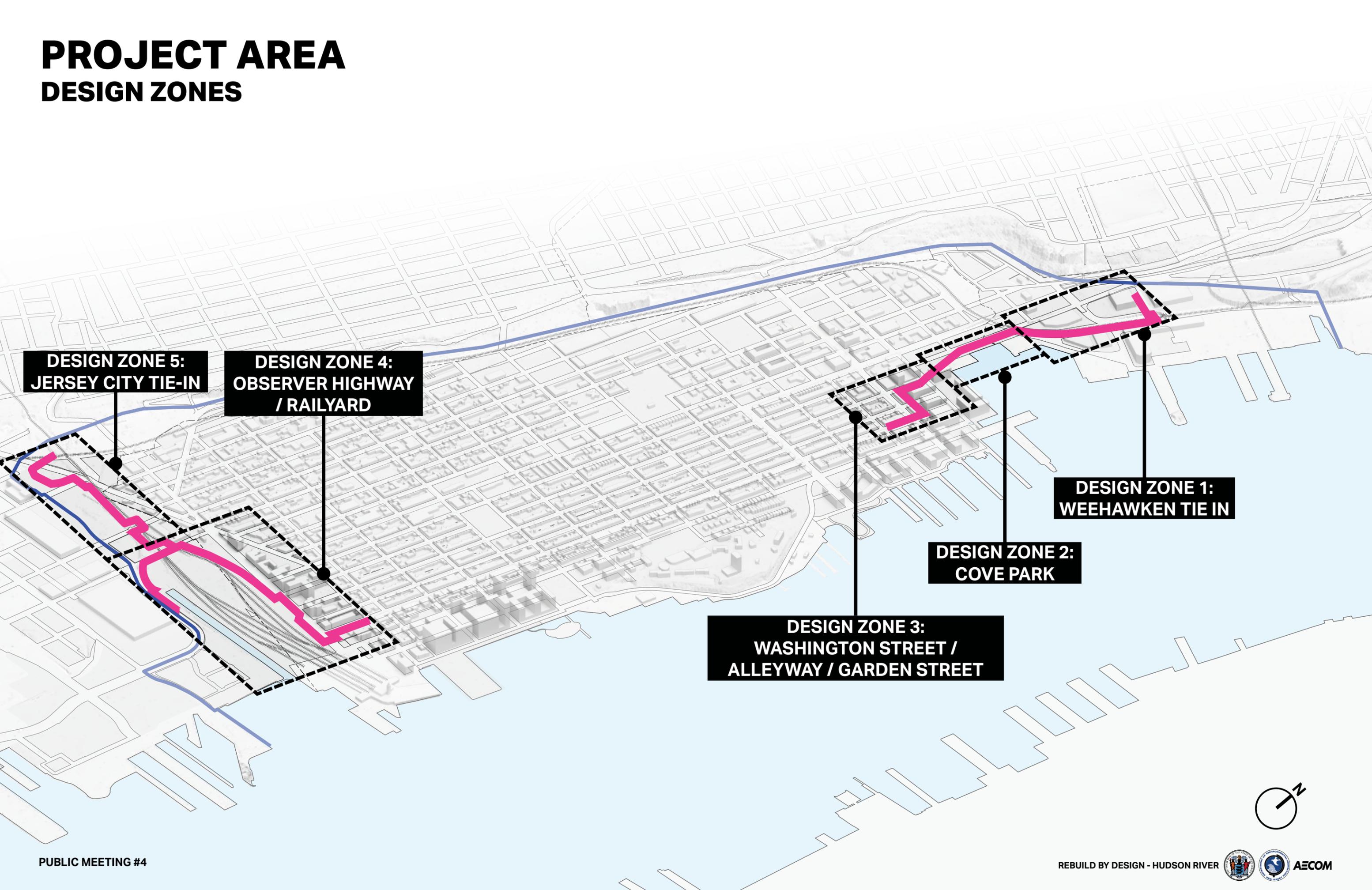
2018

TODAY



PROJECT AREA

DESIGN ZONES



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

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

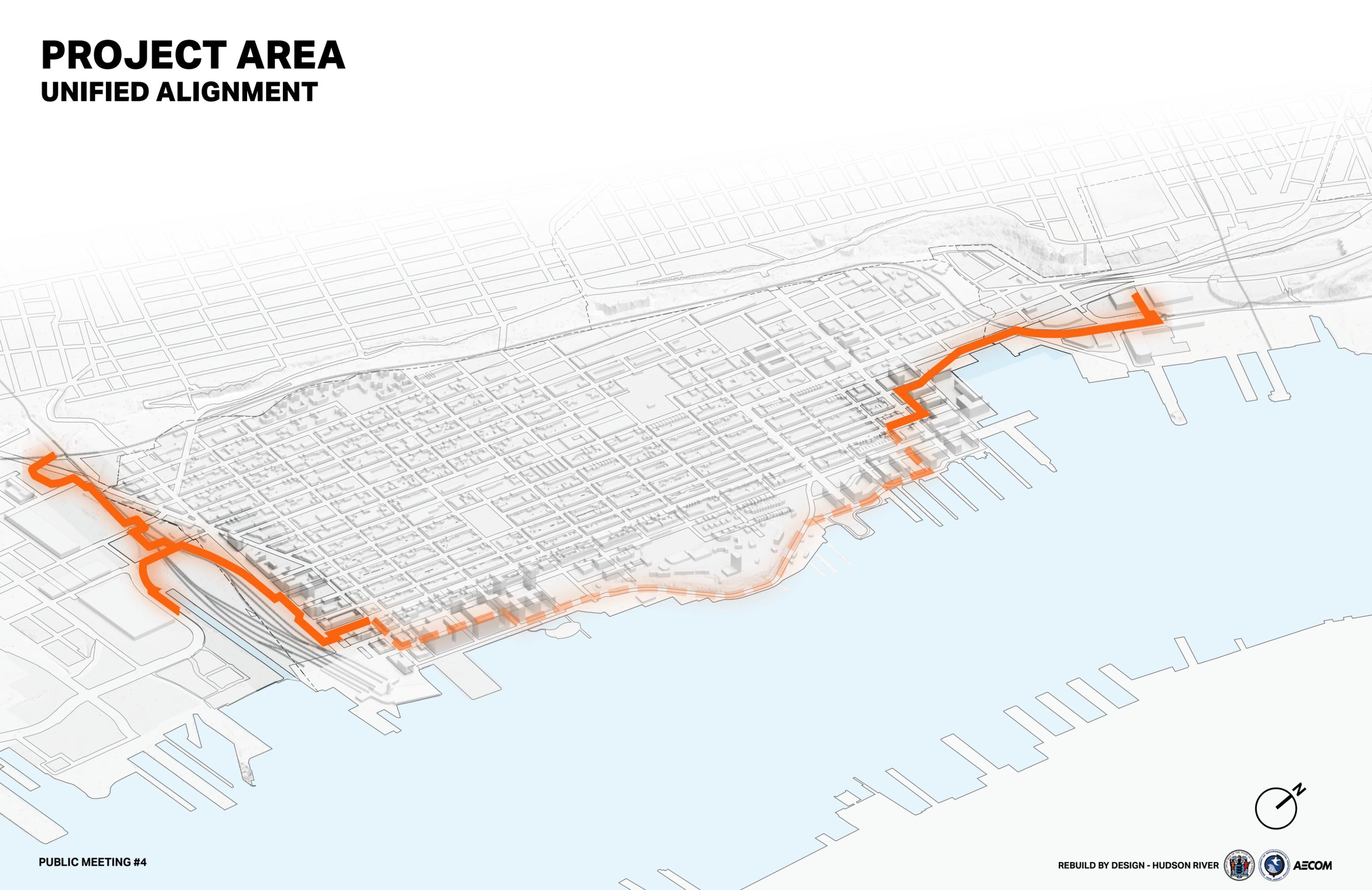
**DESIGN ZONE 1:
WEEHAWKEN TIE IN**

**DESIGN ZONE 2:
COVE PARK**

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



PROJECT AREA UNIFIED ALIGNMENT



PROJECT IDENTITY

CONTINUOUS ELEMENTS

COLOR, PAVING, SYMBOL



PROJECT IDENTITY

A UNIQUE PROJECT

ONE OF A KIND ALIGNMENT

“This team grasped that Hoboken can be an example for a lot of cities, because it is so vulnerable to flooding. It’s very urban, and its permeable character is just about zero. So the plan encompasses how to keep water out, how to drain it off when it gets in and how to store it. It uses parks as water basins and installs a new pumping system.”

Henk Ovink, HUD Senior Advisor, for *The New York Times*

Hoboken Wins \$230M Funding for Flood Management Project

June 2014

UN names Hoboken 'role model city' for flood plans

March 2015

“Through a multi-layered approach to resiliency, we are on the cusp of solving a more than century-old flooding problem.”

Mayor Dawn Zimmer of Hoboken

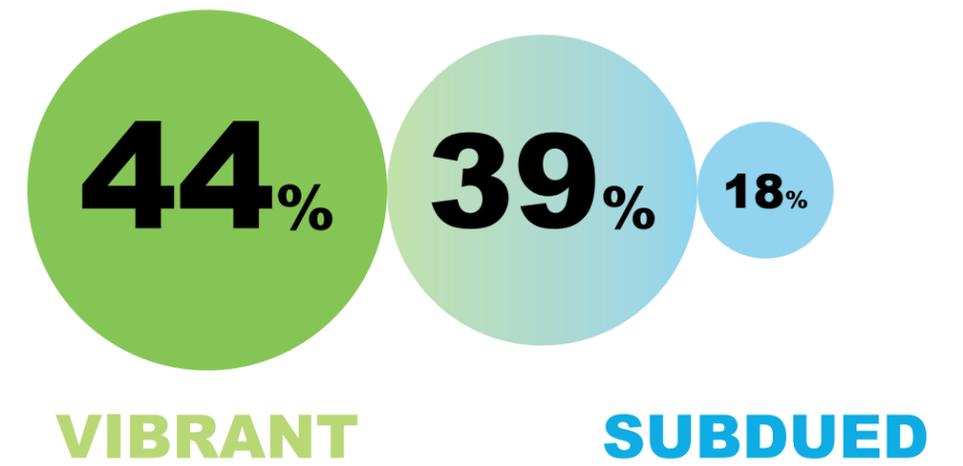
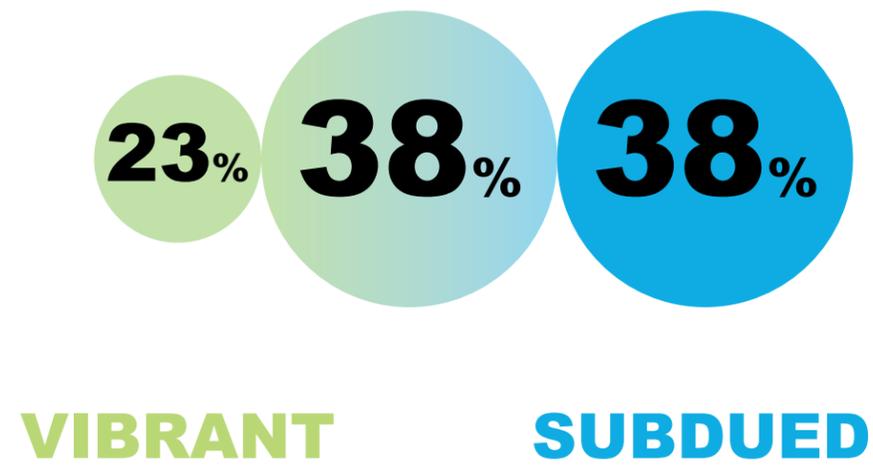
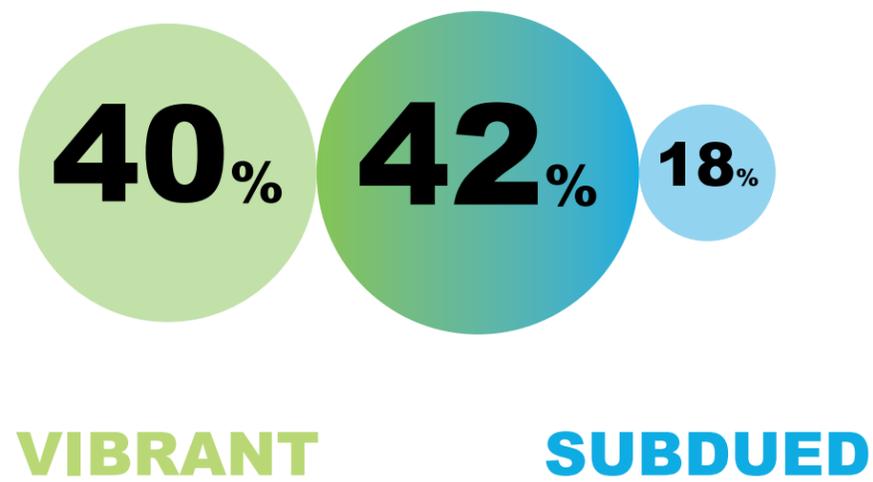
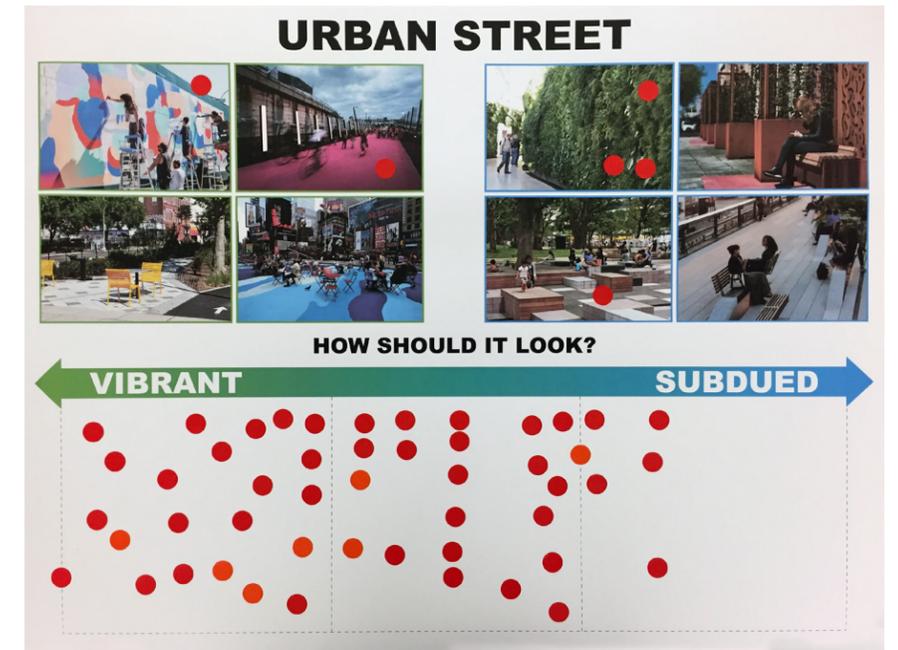
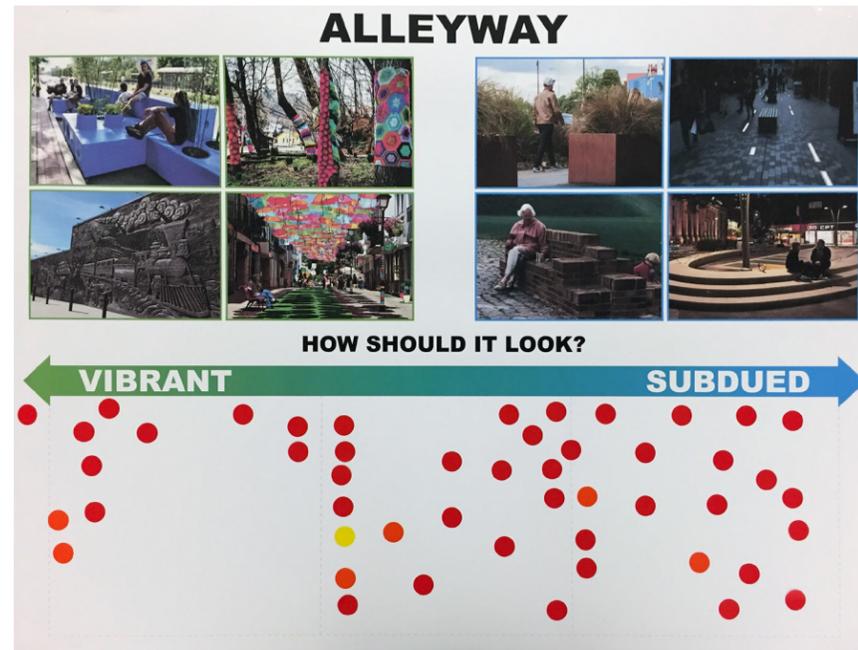
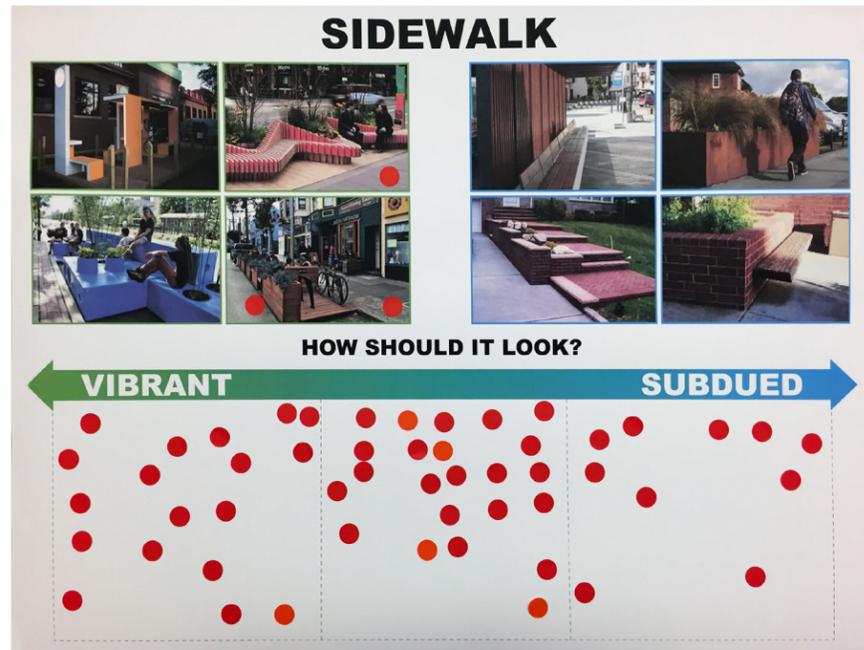
*“Hoboken’s residents and businesses must be protected from flooding and other residual effects of future storms. This alignment will help protect our city and support our economic goals. **We believe that Hoboken can truly become a national model for innovatively dealing with the impacts of global climate change.**”*

Mayor Ravi Bhalla

PROJECT IDENTITY

COMMUNITY FEEDBACK

GENERAL PREFERENCE TOWARDS VIBRANCY



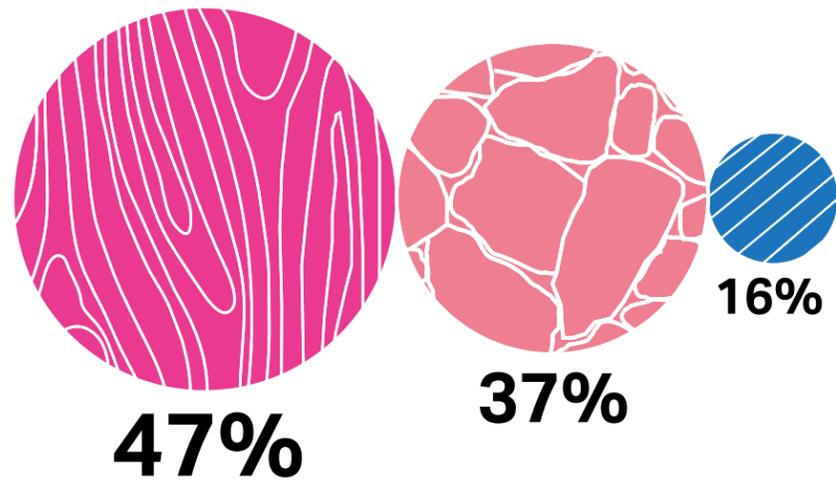
MATERIALS

MATERIALS

ZONE 3

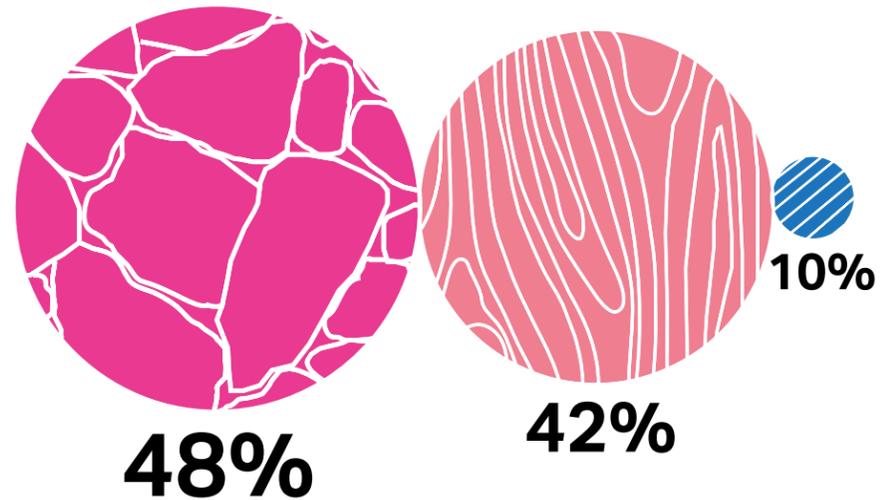
2/19 Pamphlet results

Washington Street



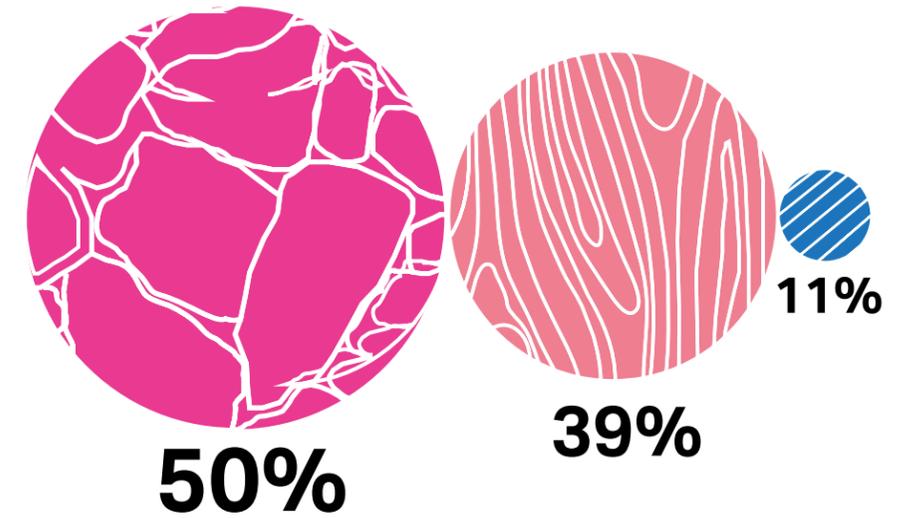
Wood (15)
Stone (12)
Metal (5)

The Alleyway



Stone (15)
Wood (13)
Metal (3)

Garden Street

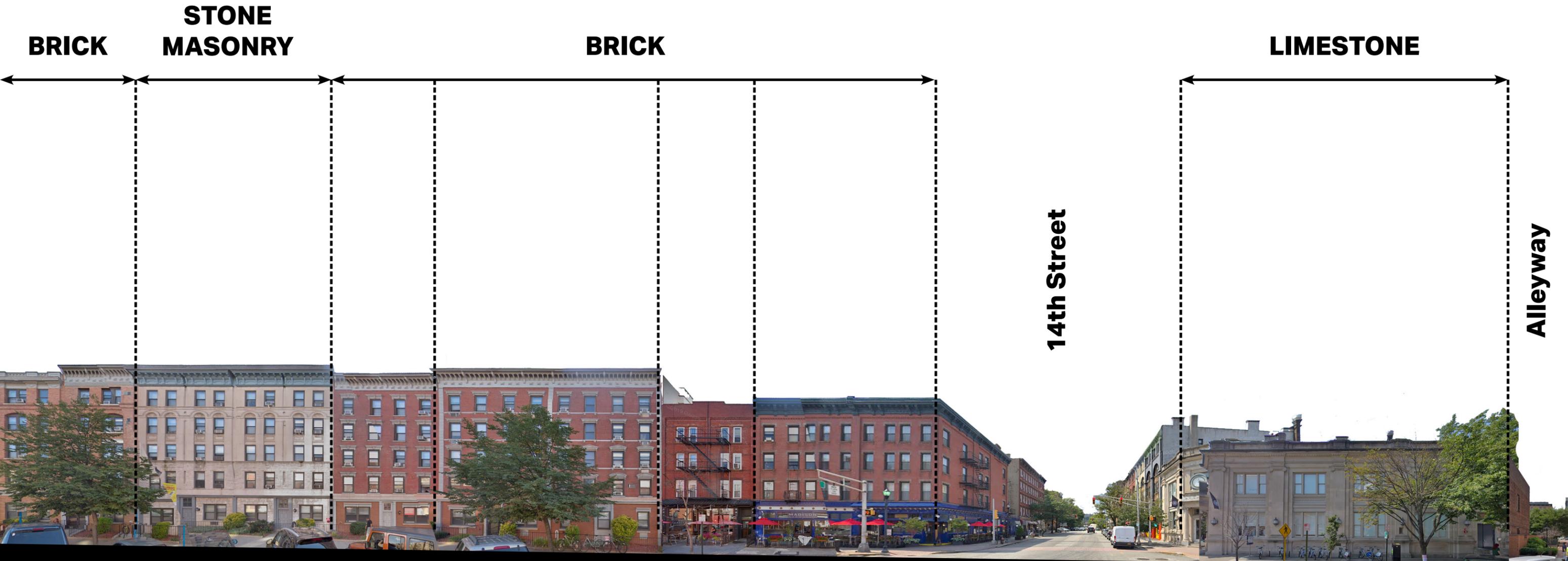


Stone (14)
Wood (11)
Metal (3)

MATERIALS

ZONE 3

CONTEXT



MATERIALS

ZONE 3

CONTEXT



PAINTED BRICK

WOOD

METAL

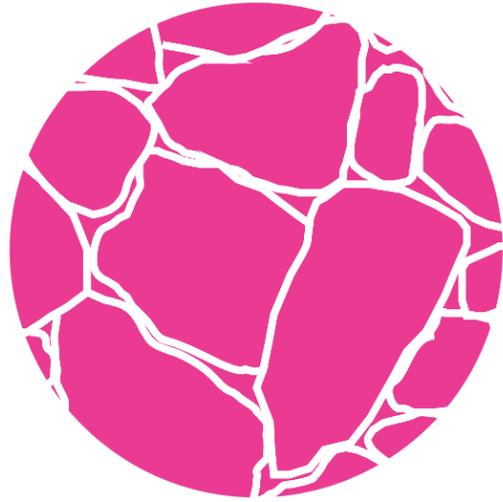
PAINTED WOOD

PLANTING

METAL

14th ST

MATERIALS



STONE

PRO

- Durable**
- Natural look and feel**
- Contextual**
- Easy to maintain**

CON

- + Costly**
- + Structural increase**



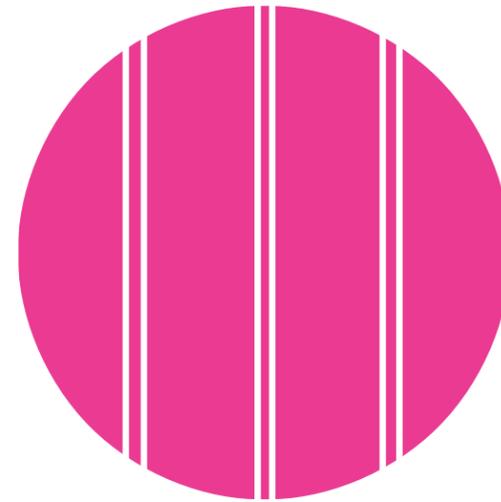
WOOD

PRO

- Eco-Friendly**
- Natural look and feel**

CON

- + Costly**
- + Maintenance**
- + Vulnerable to water damage**



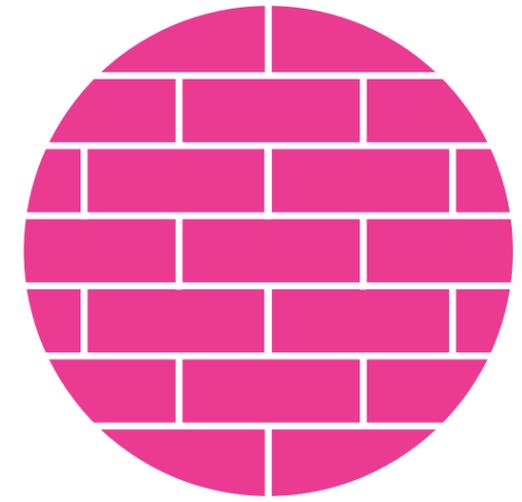
FORMLINER

PRO

- Durable**
- Minimal Maintenance**
- High Affordability**
- Versatility**

CON

- Generic**
- Highway Barrier**



BRICK

PRO

- Durable**
- Minimal Maintenance**
- Contextual**

CON

- + Costly**
- + Structural increase**

MATERIALS



STONE

PRO

- Durable**
- Natural look and feel**
- Contextual**
- Easy to maintain**

CON

- + Costly**
- + Structural increase**



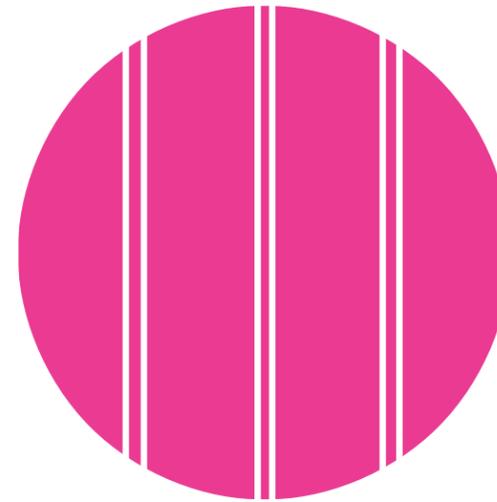
WOOD

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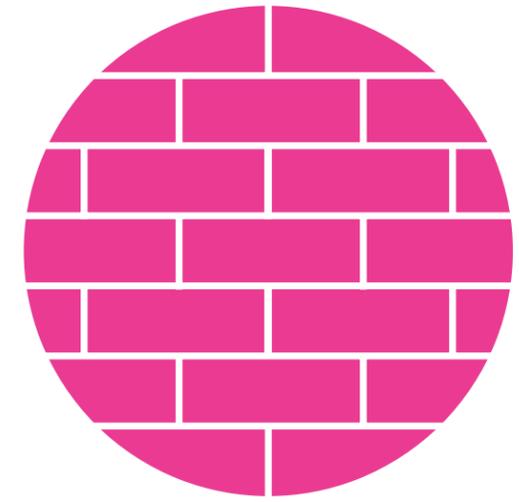
FORMLINER

PRO

- Durable**
- Minimal Maintenance**
- High Affordability**
- Versatility**

CON

- Generic**
- Highway Barrier**



BRICK

PRO

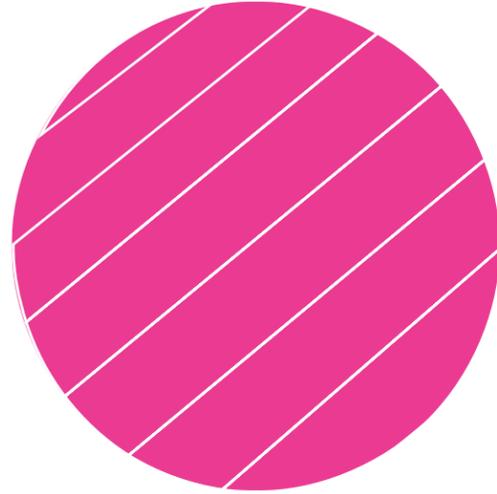
- Durable**
- Minimal Maintenance**
- Contextual**

CON

- + Costly**
- + Structural increase**

MATERIALS

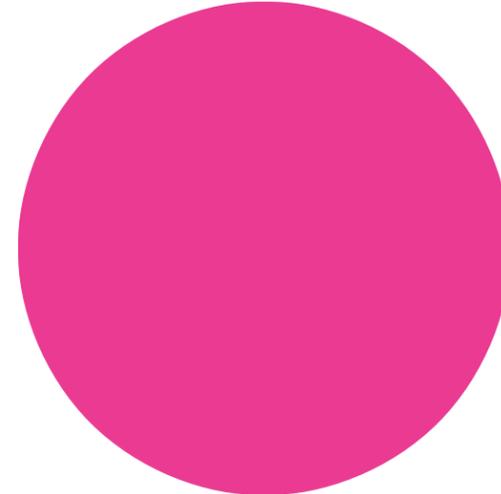
Alternatives



METAL

PRO
Durable
Minimal Maintenance

CON
+ Costly



PAINTED CONCRETE

PRO
Durable
Minimal Maintenance
High Affordability
Visual identity

CON
Superficial treatment

MATERIALS

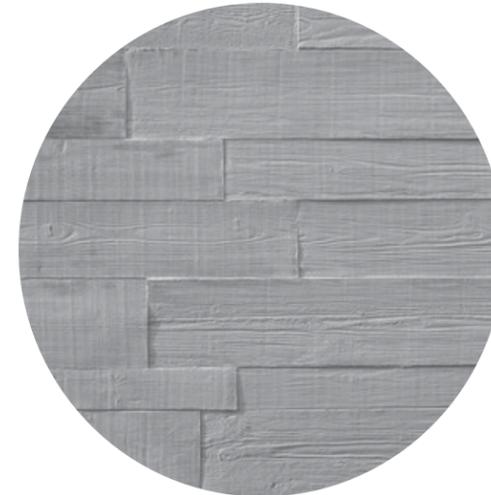
Formliner as a way of reinterpreting materials



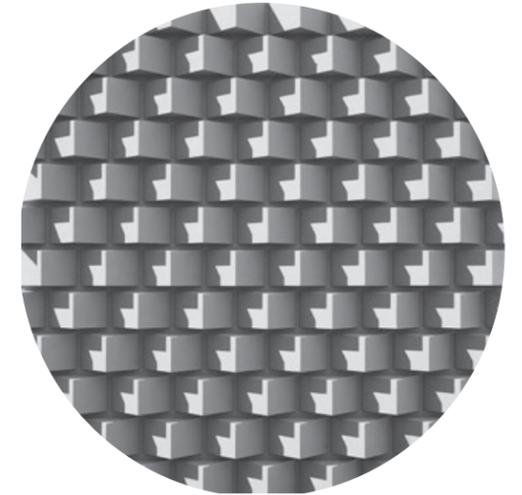
STONE I



STONE II



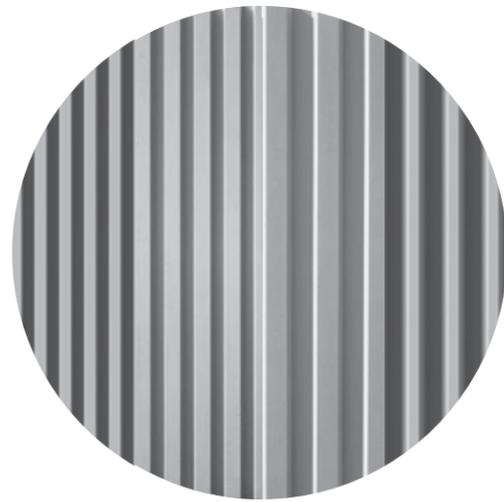
WOOD I



BRICK



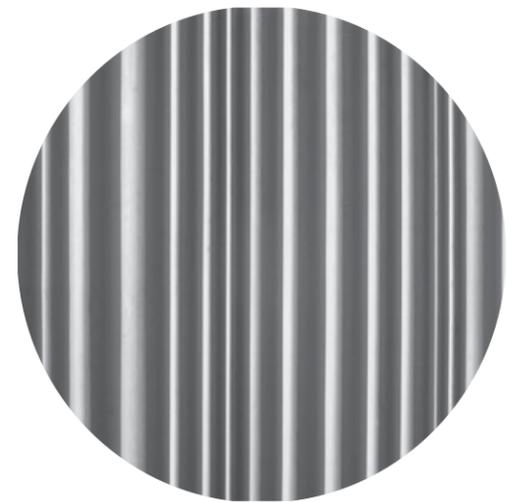
PILLOW



RIB TYPE I/II/III/IV



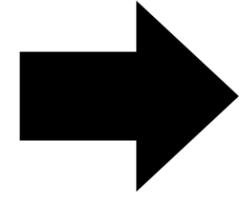
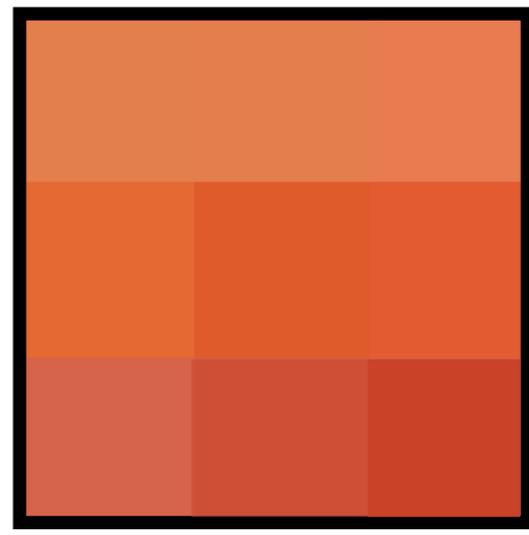
NAUTICAL THEME



NAUTICAL THEME

MATERIALS CONTEXT

BRICK



ORANGE



BRICK

STONE MASONRY

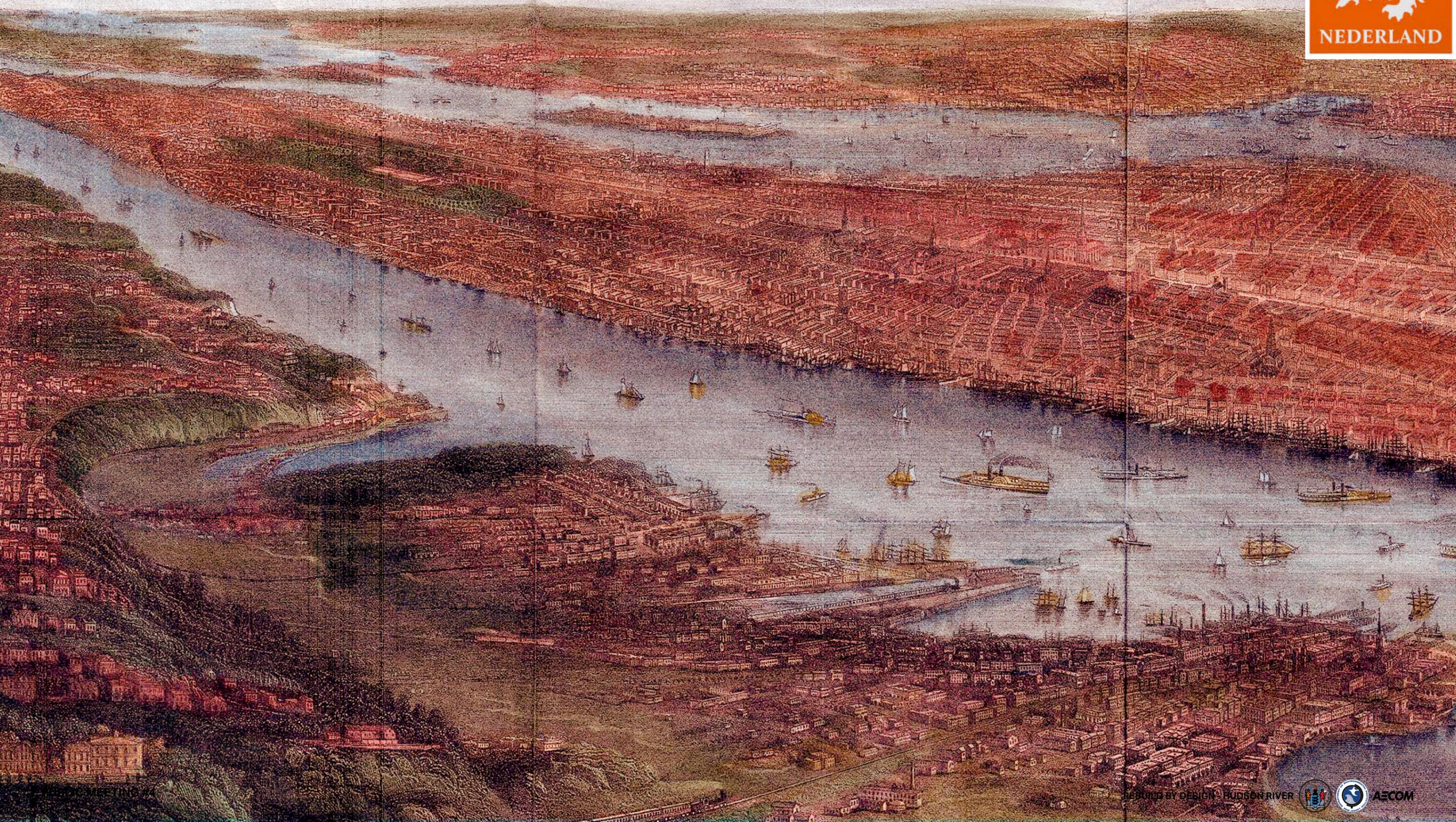
BRICK



14th Street



HOBOKEN'S DUTCH ORIGINS





“Orange
is
the
happiest
color.”

—

Frank Sinatra

Orange

The color of encouragement. The combination of yellow and red makes orange convey excitement, warmth, and enthusiasm. Social and inviting, this is the color of the extrovert, exuding happiness and joy, releasing inhibitions. Orange is a motivating and encouraging color that appeals to young people.

WAVELENGTH 635 - 590 nm

EMOTION

Optimistic
Independent
Adventurous
Creativity
Fun

USED TO

Stimulate
Communicate fun
Draw attention
Express freedom
Fascinate

INDUSTRY

Art
Entertainment
Food
Sports
Transportation

BURNT OR.
#964000

TANGERINE
#CF9812A

TIGER
#FD6A02

GOLD
#F9A602

BR. AMBER
#FFBF00

EXCITEMENT

ENERGETIC WARMTH

OPTIMISTIC CHEERFUL

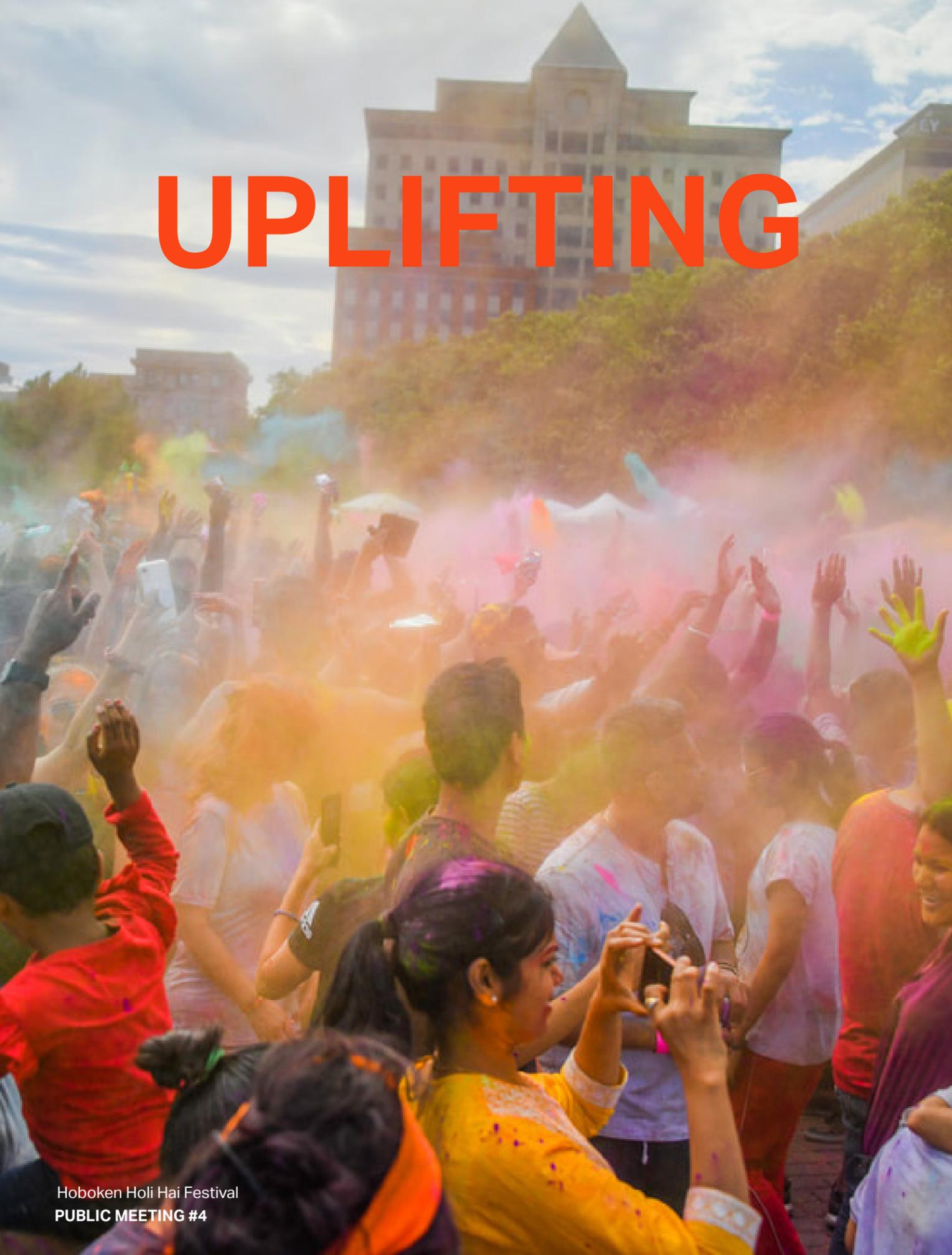
ORANGE ACTIVE

DYNAMIC ATTENTION-GRABBING

REFRESHING UPLIFTING

HAPPY SAFETY

UPLIFTING



Hoboken Holi Hai Festival
PUBLIC MEETING #4

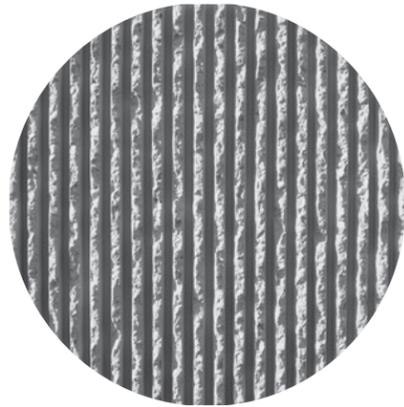
ALERTING



Washington Street

MATERIALS

Formliner as a way of reinterpreting materials



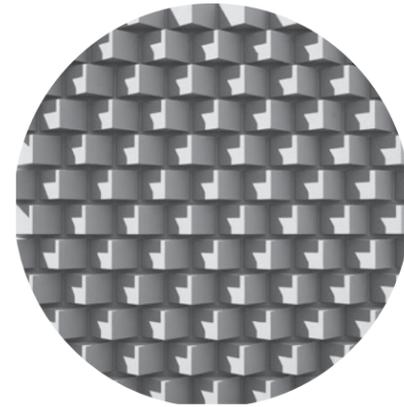
STONE I



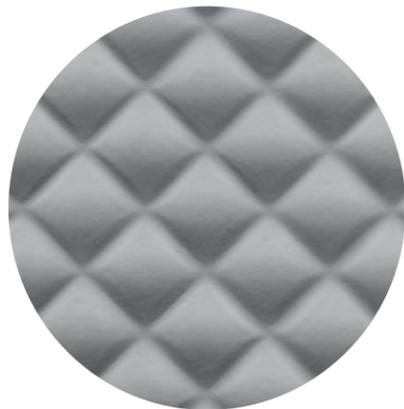
STONE II



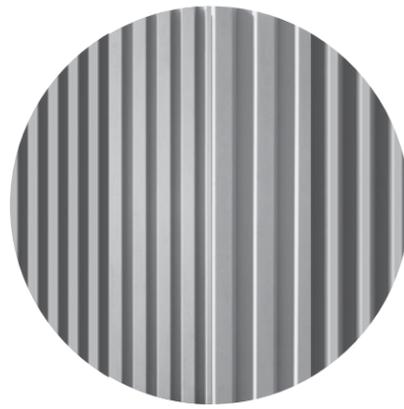
WOOD I



BRICK



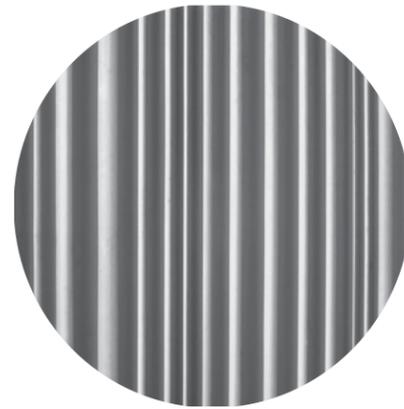
PILLOW



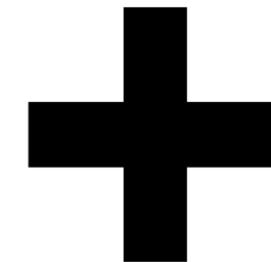
RIB TYPE I/II/III/IV



NAUTICAL THEME



NAUTICAL THEME



ORANGE



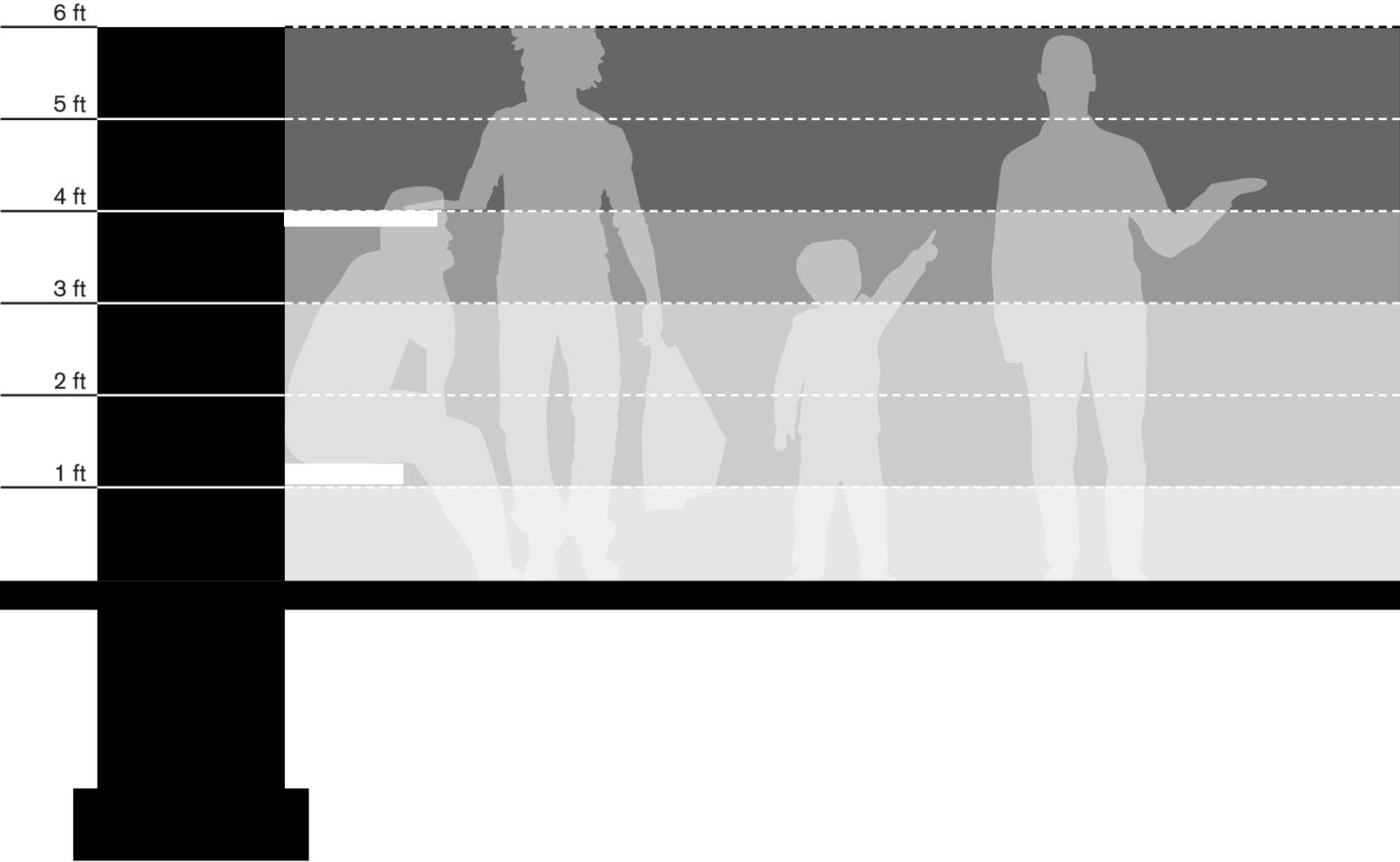
RESIST STRUCTURE

PROGRAMMATIC HEIGHT

EYE-LEVEL: 4'-2" — 6'

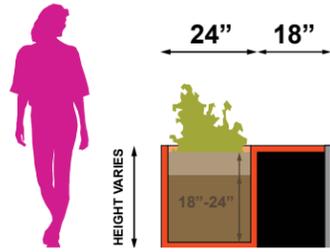
TABLE: 3' — 4'-2"

SEAT: 1' — 3'

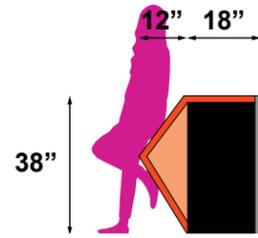


TOOLKIT

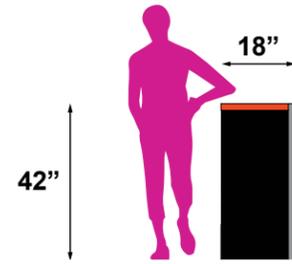
DESIGN STRATEGY



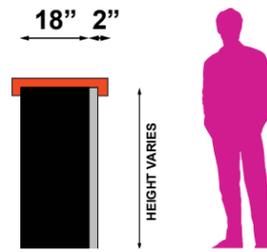
PLANTING



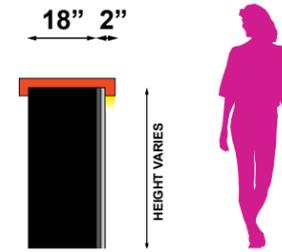
LEANING WALL



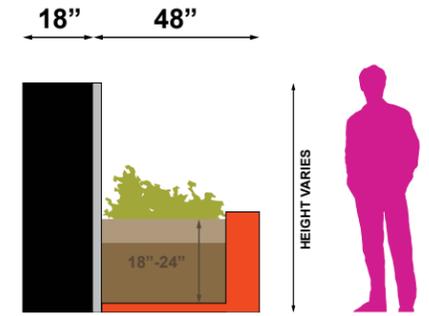
STANDING COUNTER



FORMLINER WITH COLORED TOP

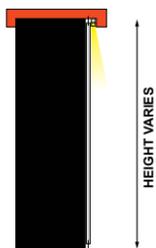


FORMLINER WITH LIGHTING



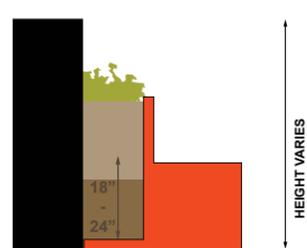
WIDE PLANTER

18" 2"



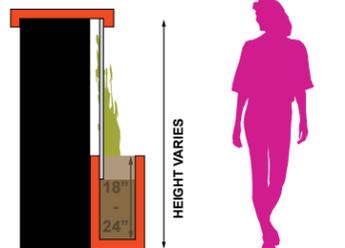
HANGING PANEL

18" 48"



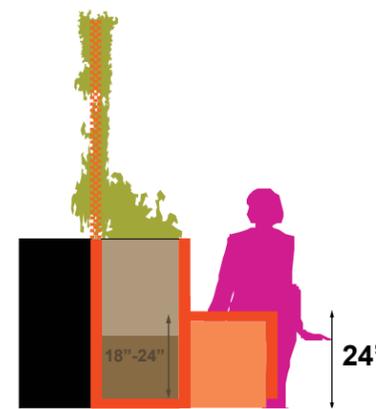
PLANTER+ SEATING

18" 12"



VERTICAL PLANTER

18" 48"



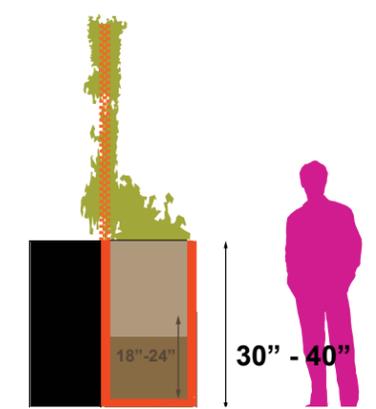
SEATING

18" 48"



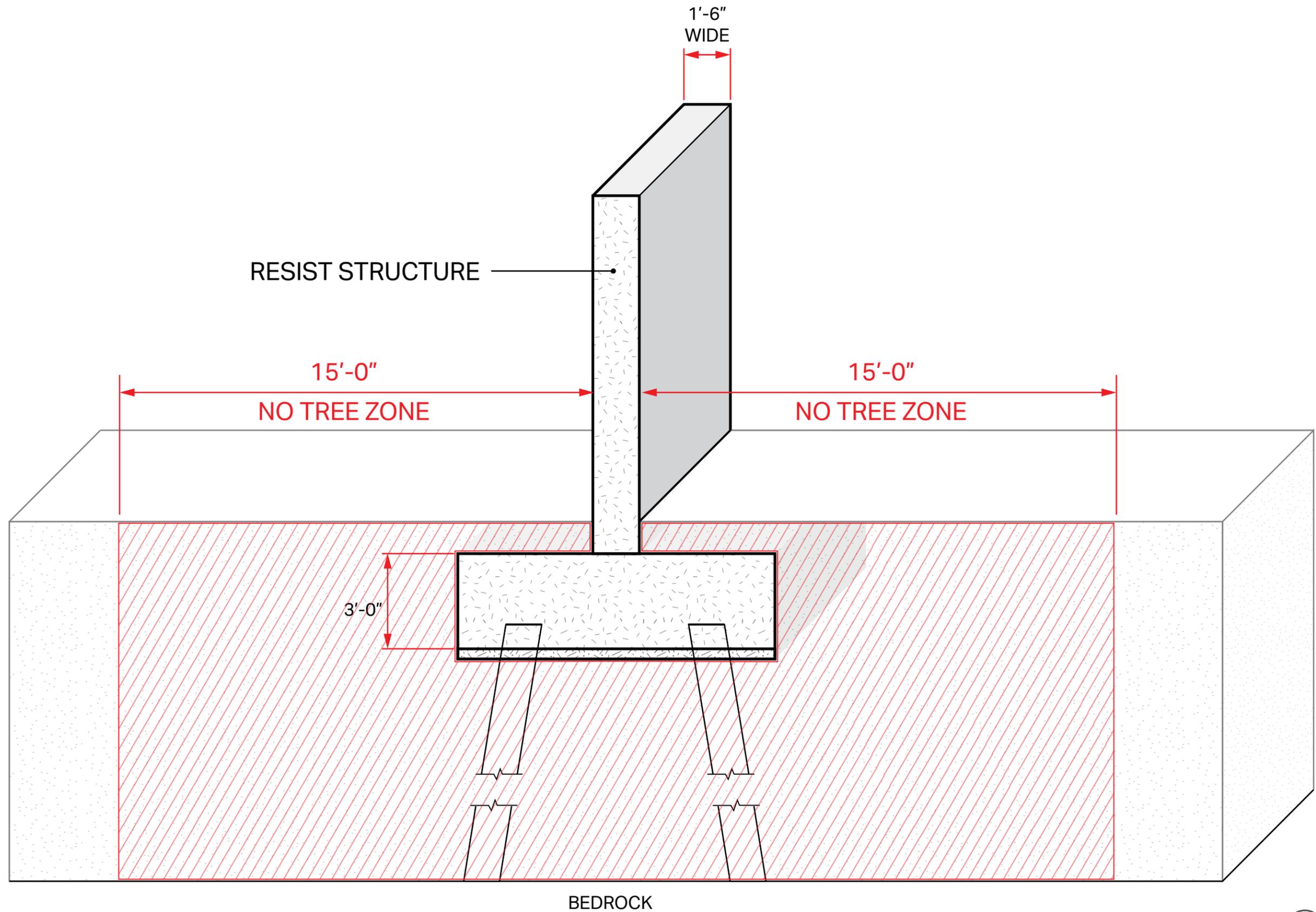
SEATING WITH TRELLIS

18" 24"



PLANTING

RESIST STRUCTURE PLANTING RESTRICTIONS



CONCEPT DESIGN STRATEGY - ALIGNMENT

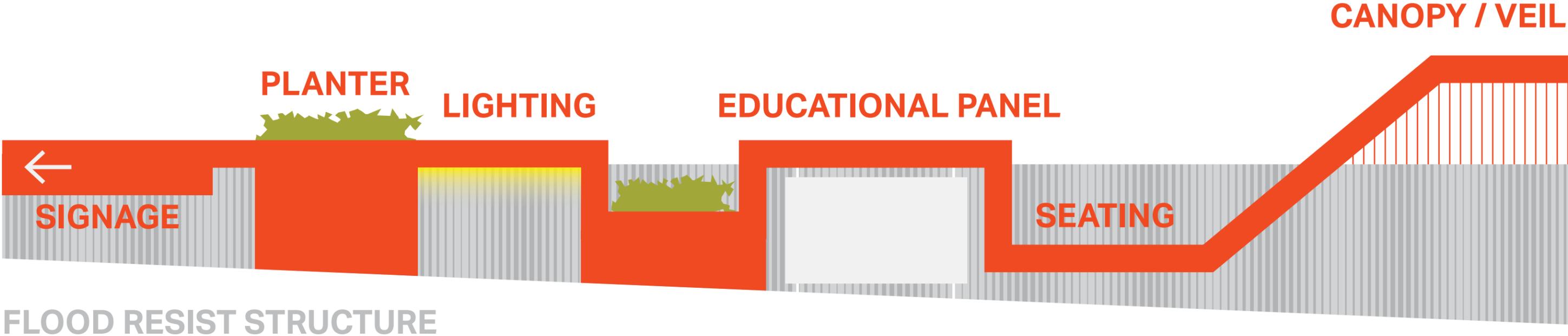
CONSTANT LINE OF PROTECTION WITH CONTEXTUAL FORMLINER



FLOOD RESIST STRUCTURE

CONCEPT DESIGN STRATEGY - AMENITIES

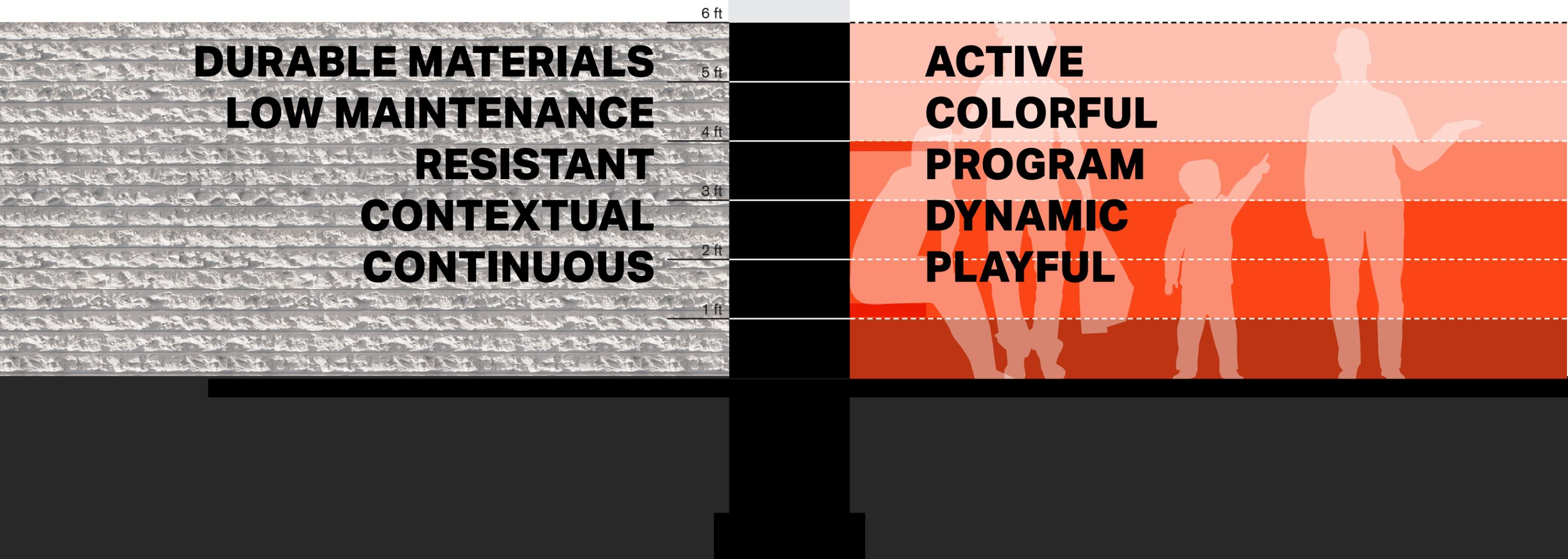
WEAVING LINE OF AMENITIES



RESIST STRUCTURE DESIGN STRATEGY

PASSIVE SIDE

AMENITY SIDE



DURABLE MATERIALS
LOW MAINTENANCE
RESISTANT
CONTEXTUAL
CONTINUOUS

ACTIVE
COLORFUL
PROGRAM
DYNAMIC
PLAYFUL

TOOLKIT APPLICATION

COMMUNITY FEEDBACK



Public Meeting #1

PUBLIC MEETING #4



Design Zone Workshops Round 1



1
Map of overall design showing all 5 Zones.



2
What is your interest in Hoboken, Jersey City, and Weehawken?

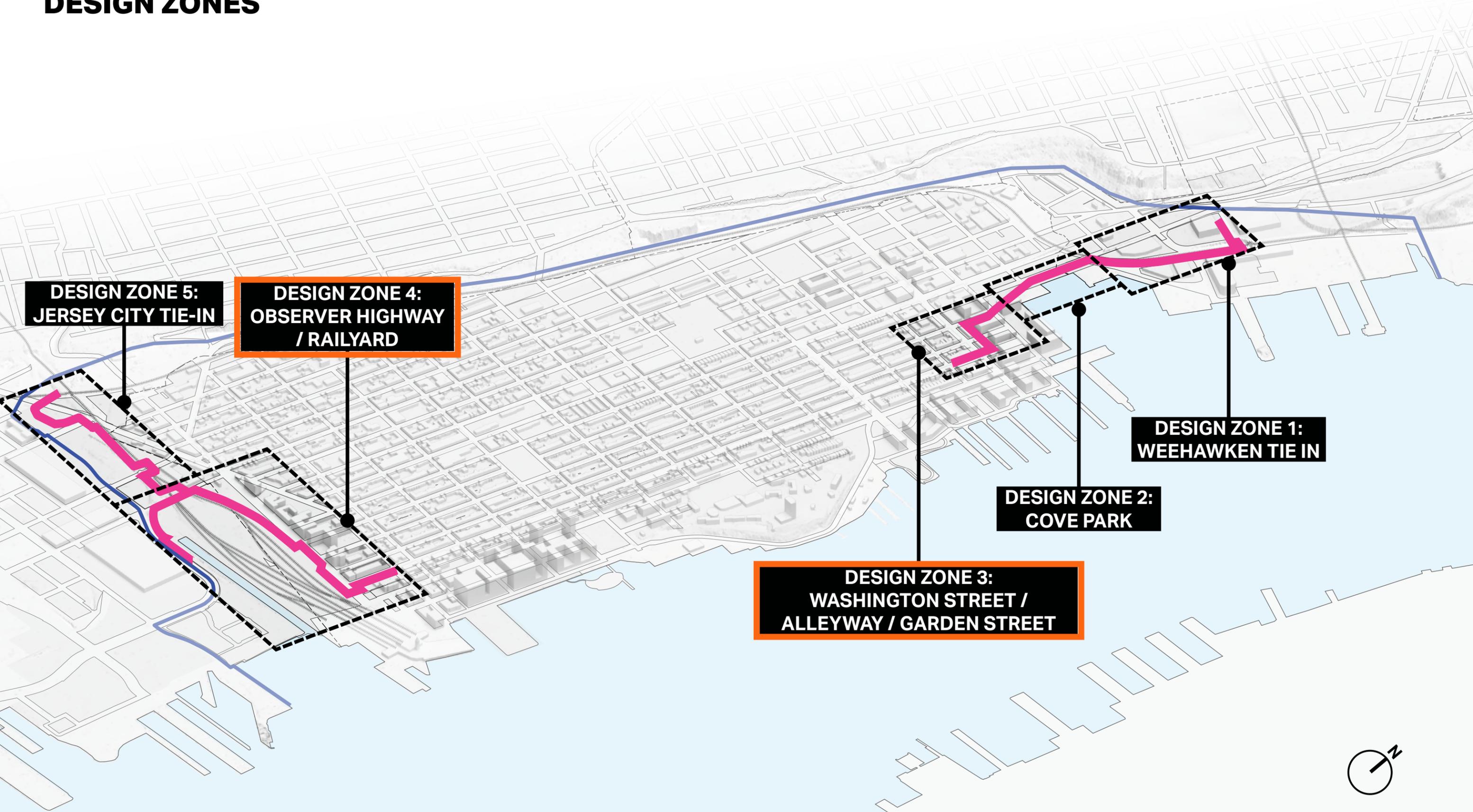
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Jersey City	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Weehawken	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

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

PROJECT AREA

DESIGN ZONES



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

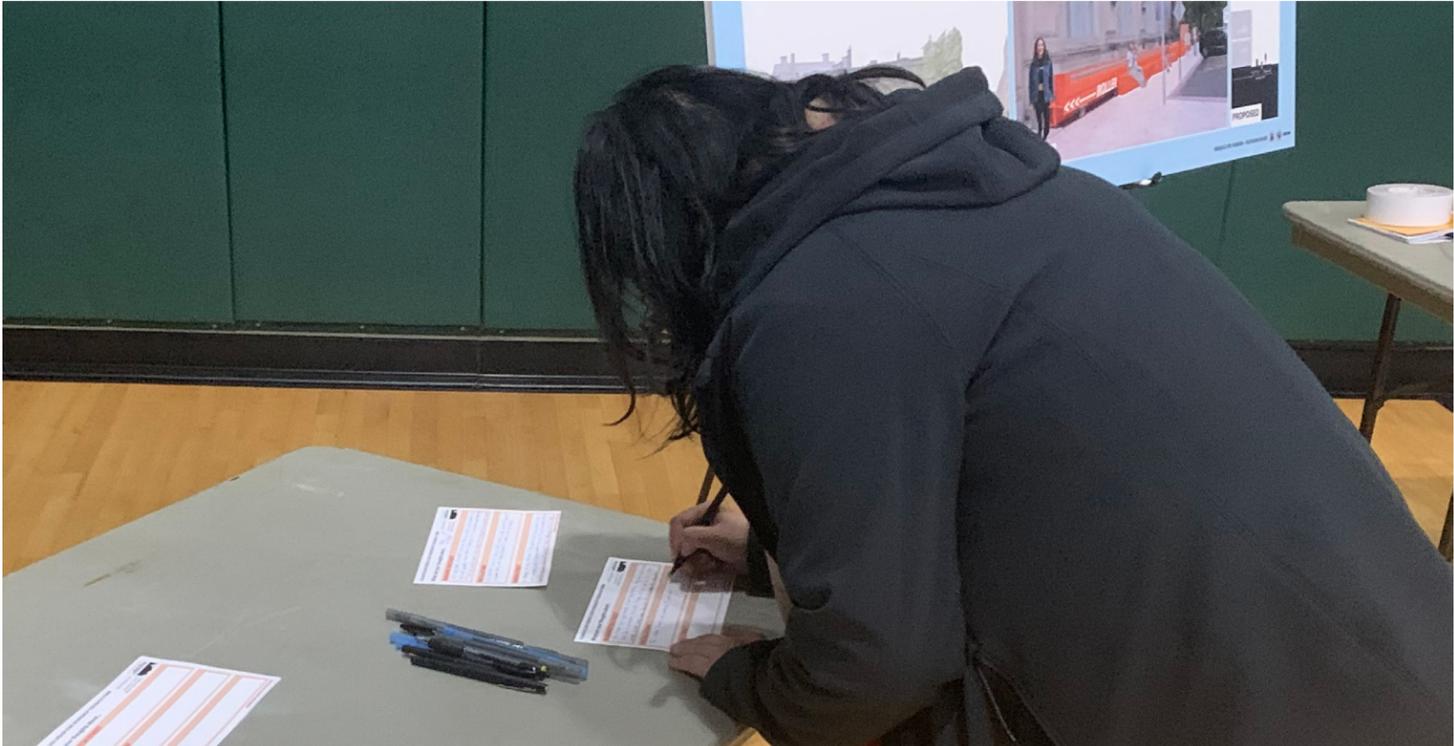
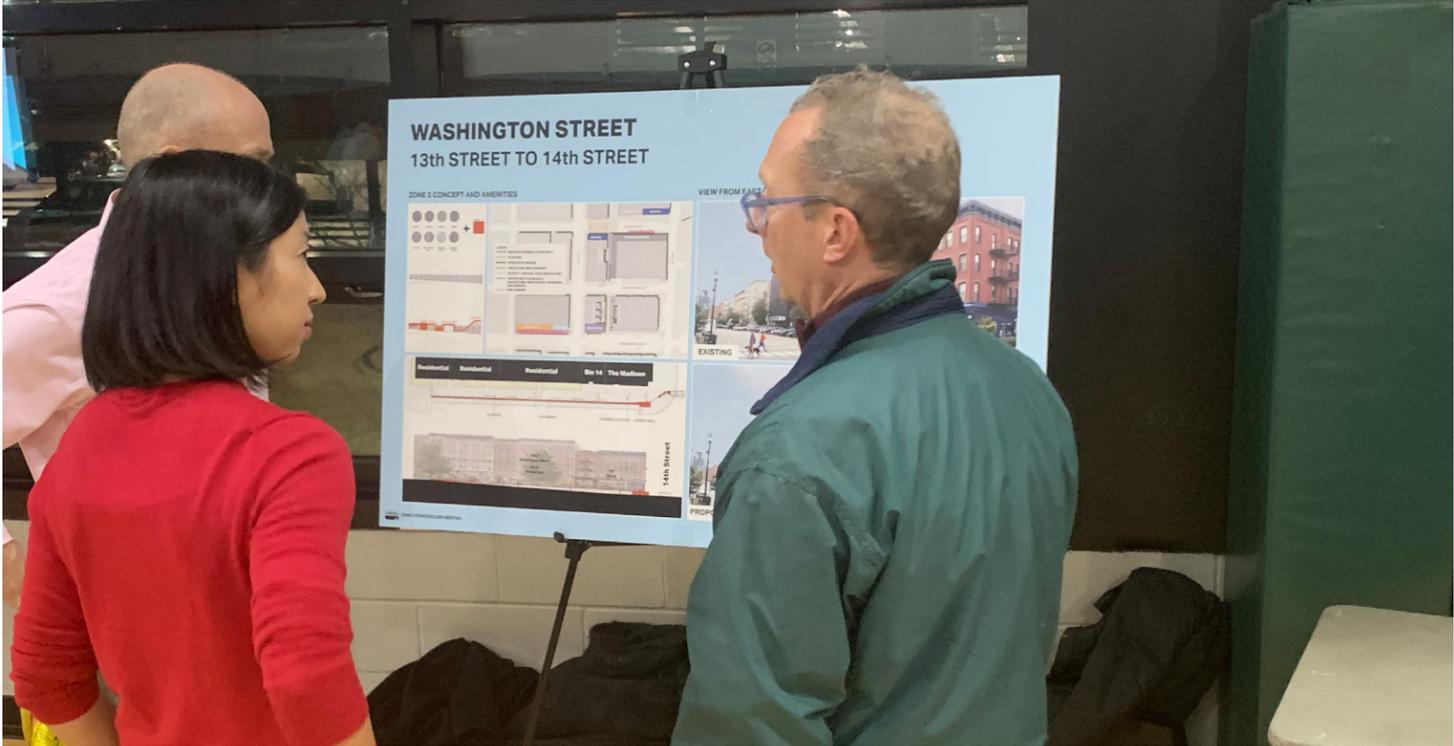
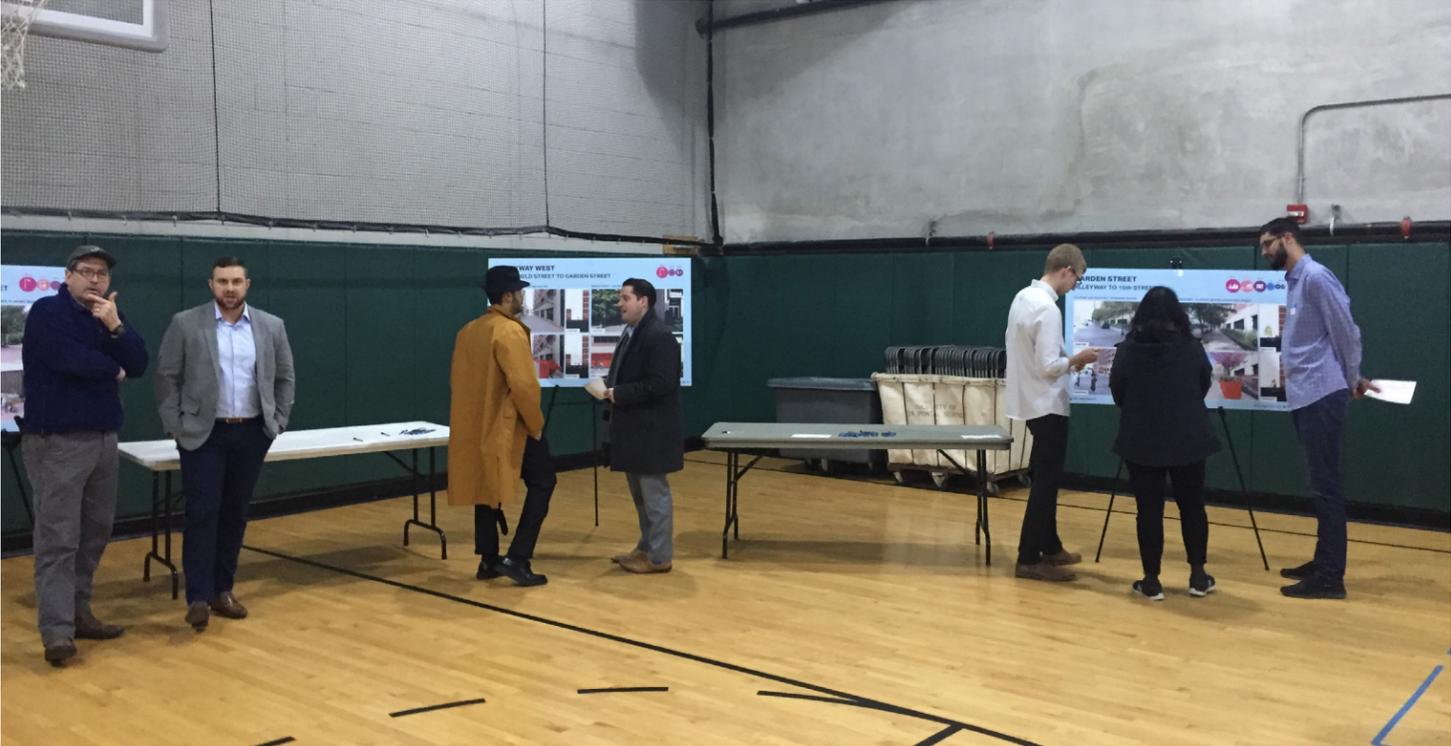
**DESIGN ZONE 4:
OBSERVER HIGHWAY
/ RAILYARD**

**DESIGN ZONE 1:
WEEHAWKEN TIE IN**

**DESIGN ZONE 2:
COVE PARK**

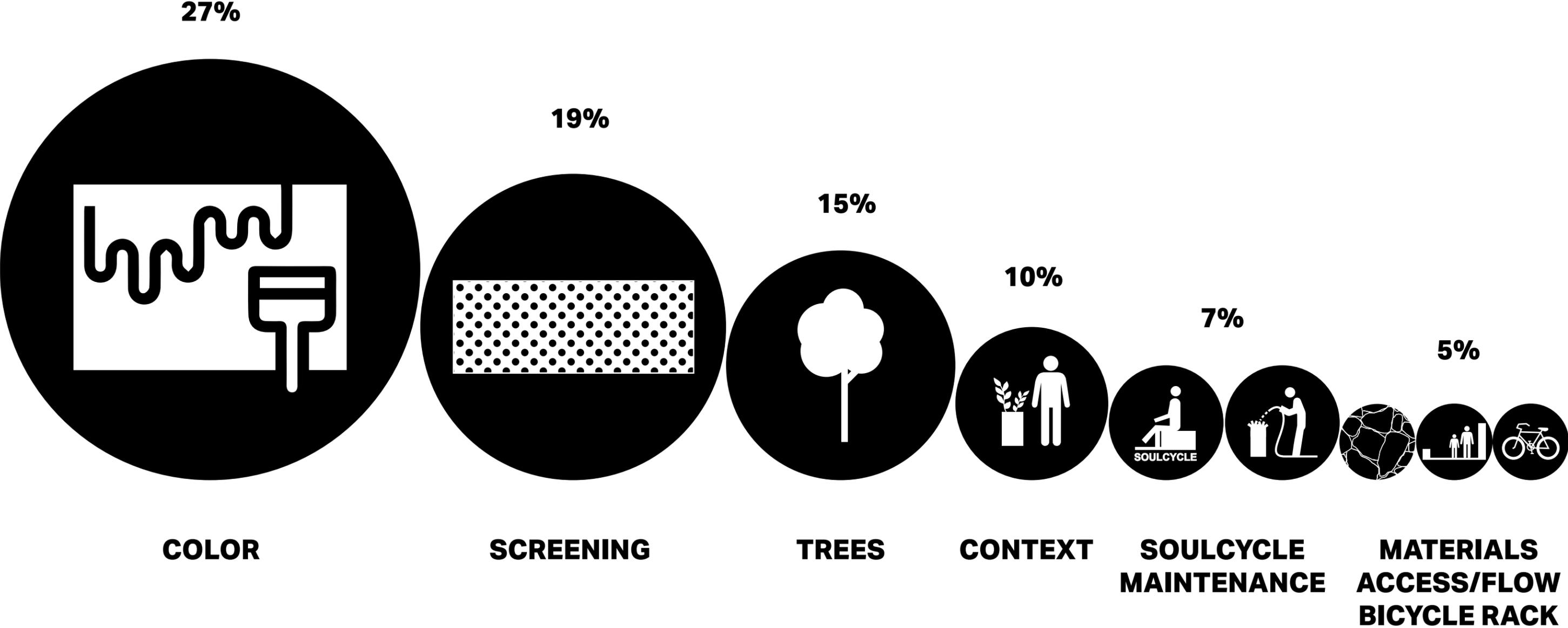
**DESIGN ZONE 3:
WASHINGTON STREET /
ALLEYWAY / GARDEN STREET**

ZONE 3 STAKEHOLDER MEETING COMMUNITY FEEDBACK



ZONE 3 STAKEHOLDER MEETING

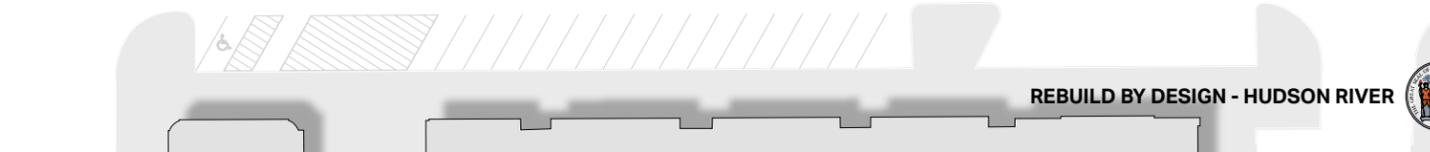
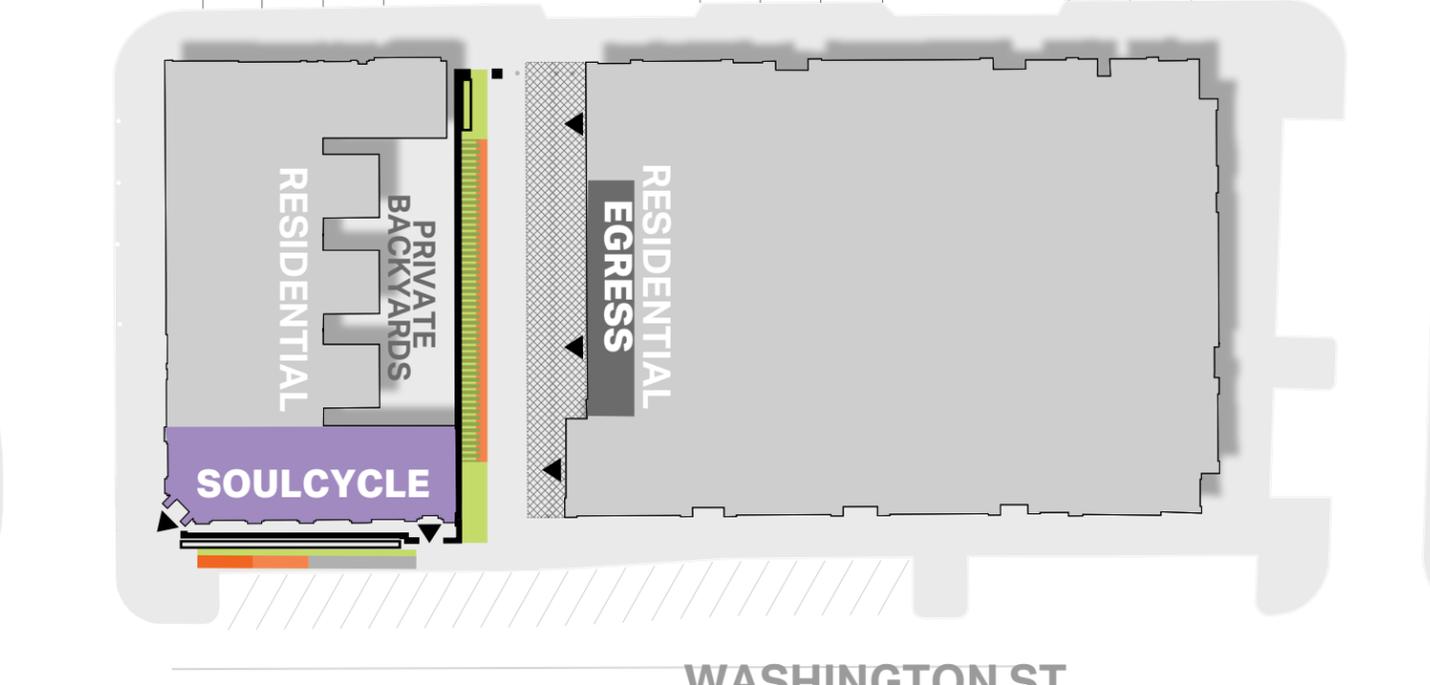
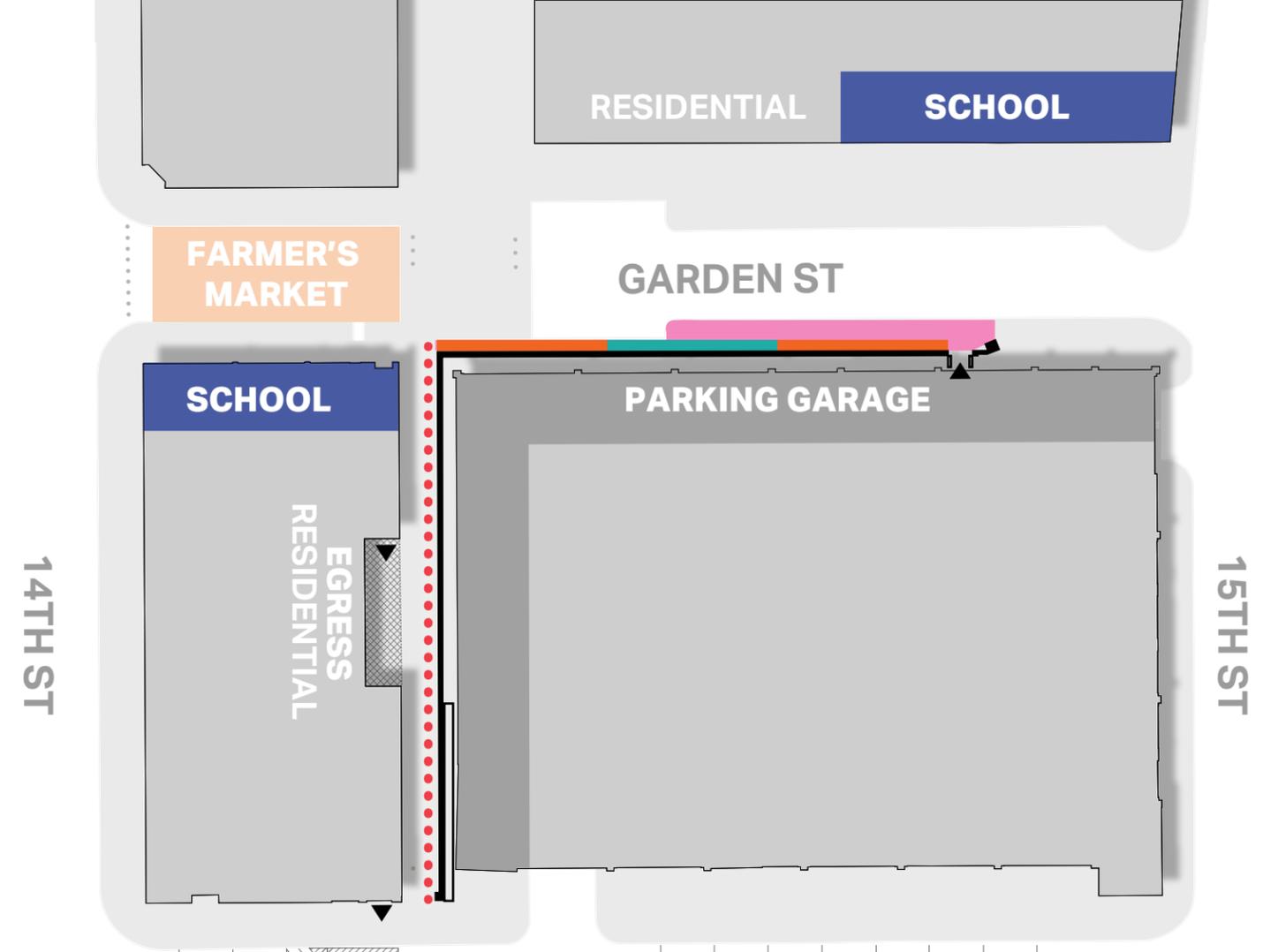
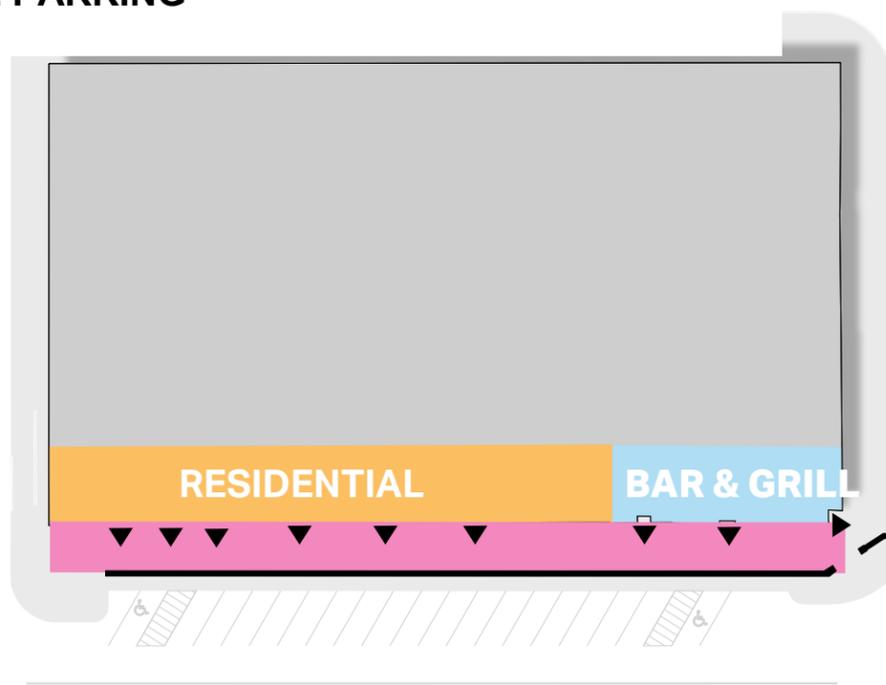
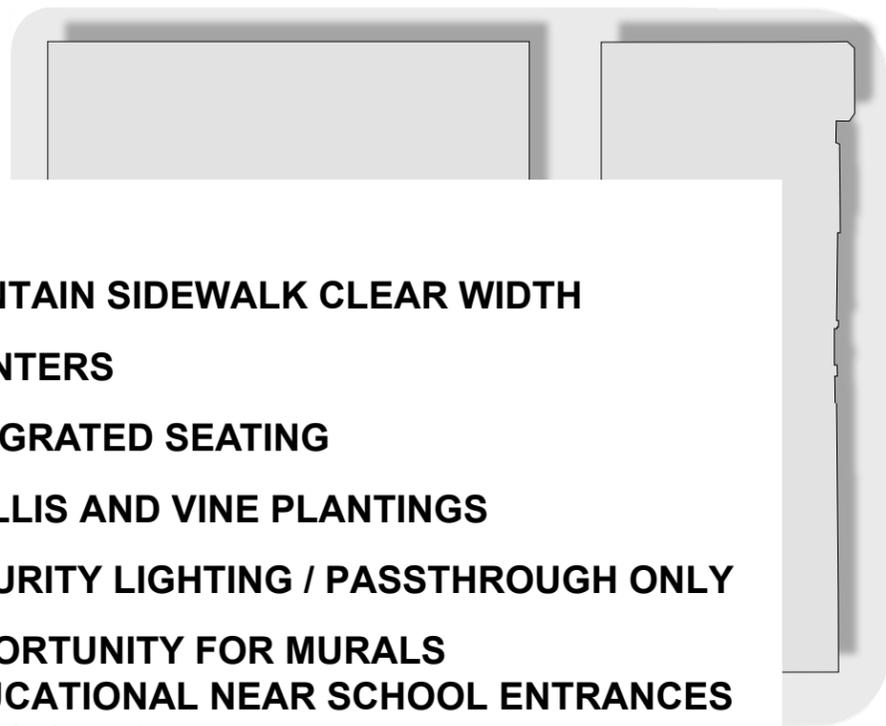
FEEDBACK OVERVIEW



ZONE 3 PROGRAM STRATEGY

LEGEND

-  MAINTAIN SIDEWALK CLEAR WIDTH
-  PLANTERS
-  INTEGRATED SEATING
-  TRELLIS AND VINE PLANTINGS
-  SECURITY LIGHTING / PASSTHROUGH ONLY
-  OPPORTUNITY FOR MURALS
(EDUCATIONAL NEAR SCHOOL ENTRANCES
AND SIGNAGE)
-  BIKE PARKING

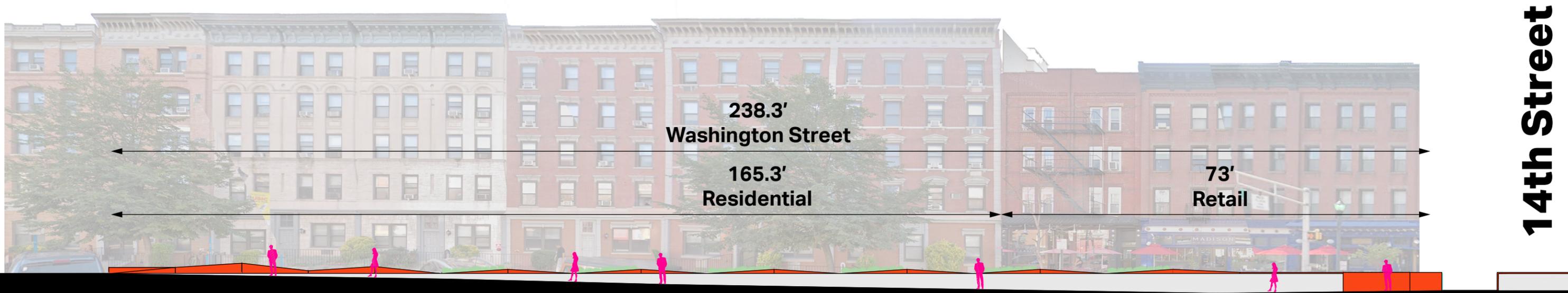


**ZONE 3
DESIGN
STRATEGY**

WASHINGTON STREET

ZONE 3

PLAN & STREET ELEVATION



ZONE 3

EXISTING CONDITION

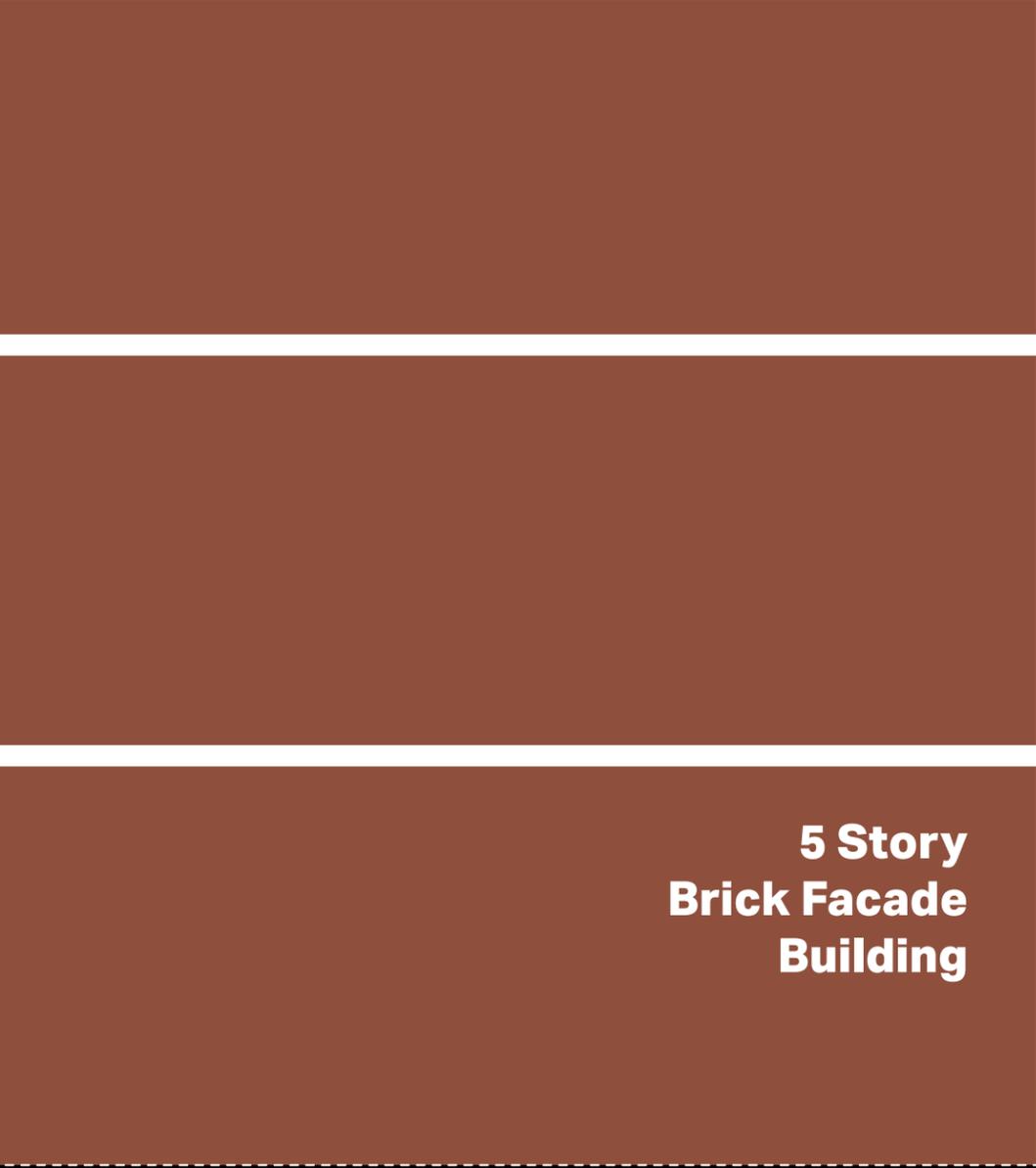
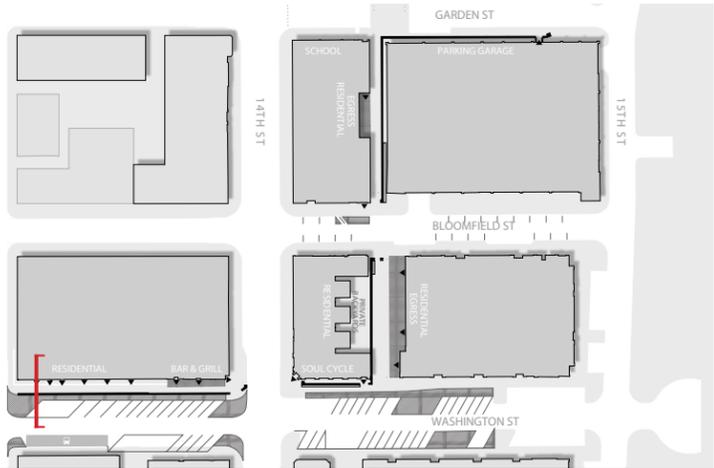


ZONE 3 PROPOSED CONDITION



ZONE 3

EXISTING STREET SECTION



**5 Story
Brick Facade
Building**

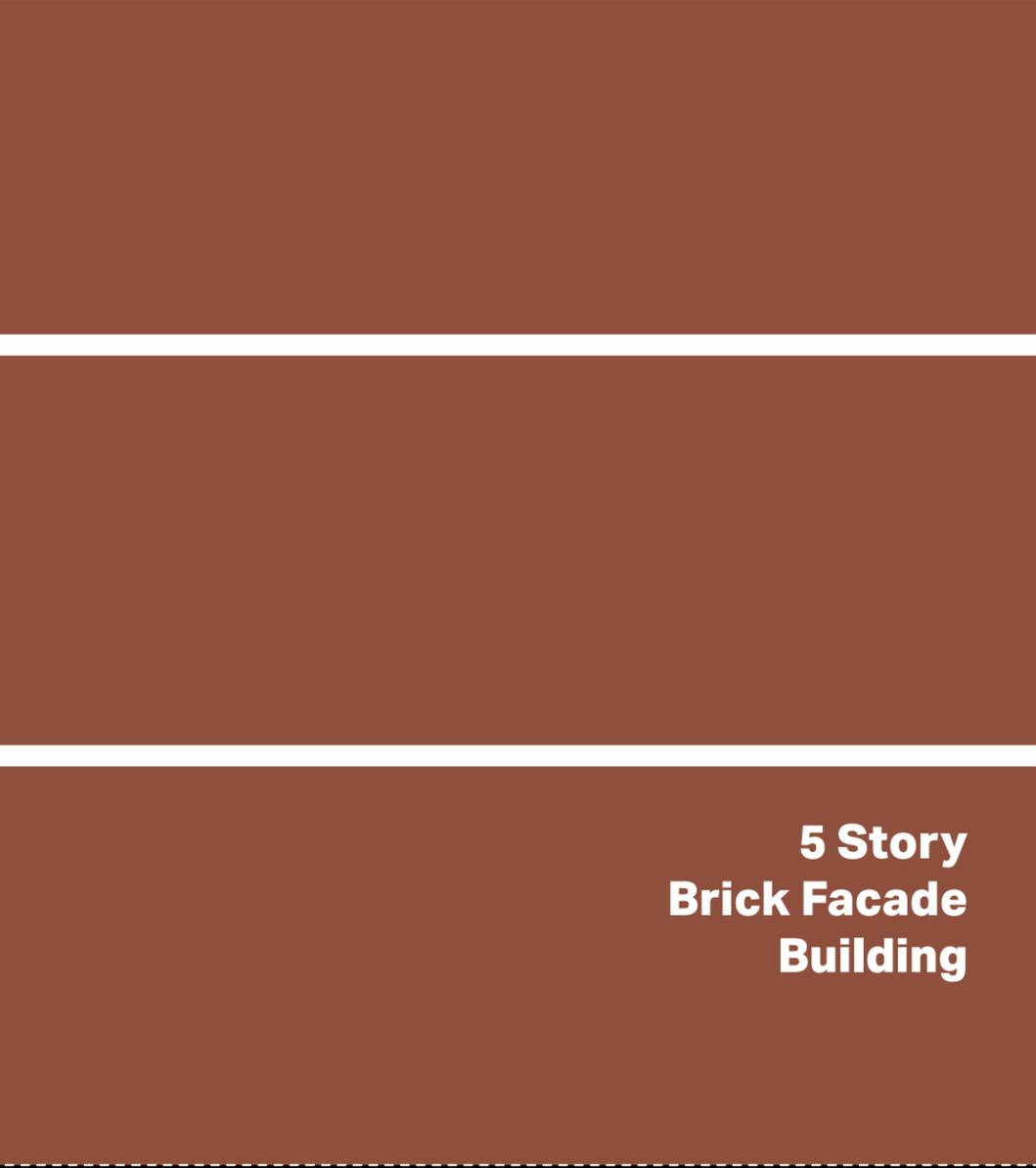
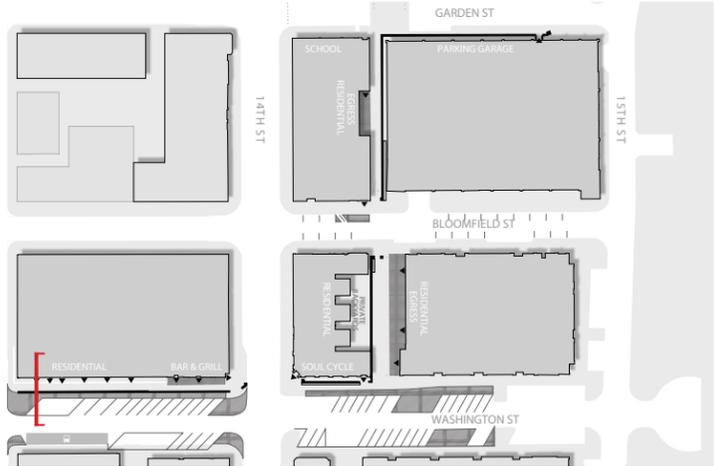


Planters - 6.5' Walkway - 7' Pavers - 4.6'

Residential Building

Sidewalk - 18.1'

ZONE 3 PROPOSED STREET SECTION



**5 Story
Brick Facade
Building**



Planters - 6.5' Walkway - 8' 2' Walkway - 5.1'

Residential Building Sidewalk - 16.5'

ZONE 3

EXISTING CONDITION



ZONE 3 PROPOSED CONDITION



ZONE 3

EXISTING CONDITION



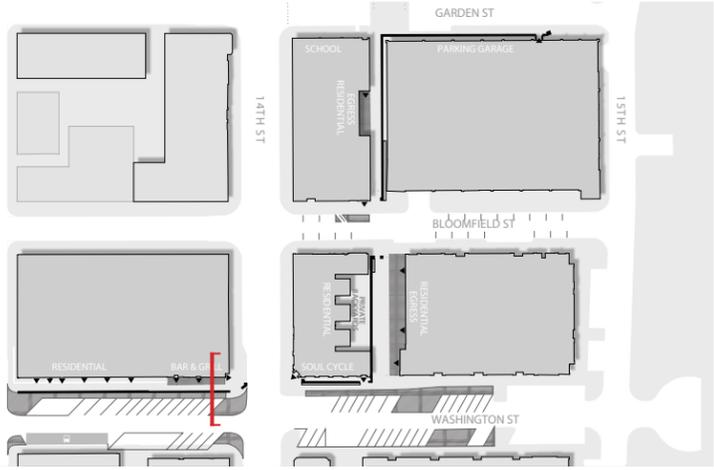
ZONE 3 PROPOSED CONDITION



ZONE 3 PROPOSED CONDITION



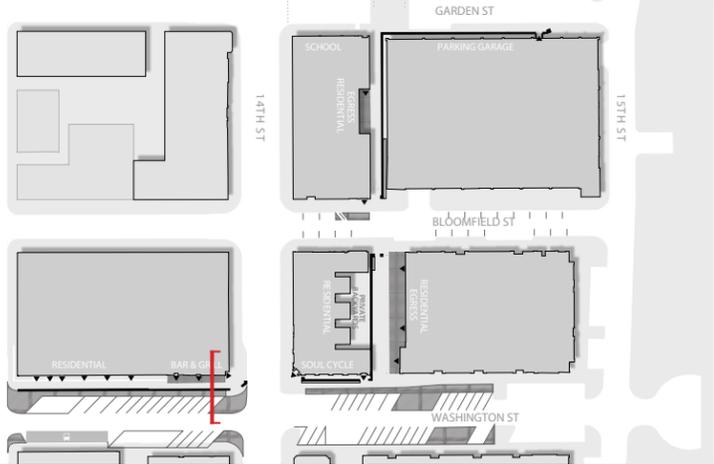
ZONE 3 EXISTING STREET SECTION



**Residential Building
with Retail**

Sidewalk - 17.6'

ZONE 3 PROPOSED STREET SECTION

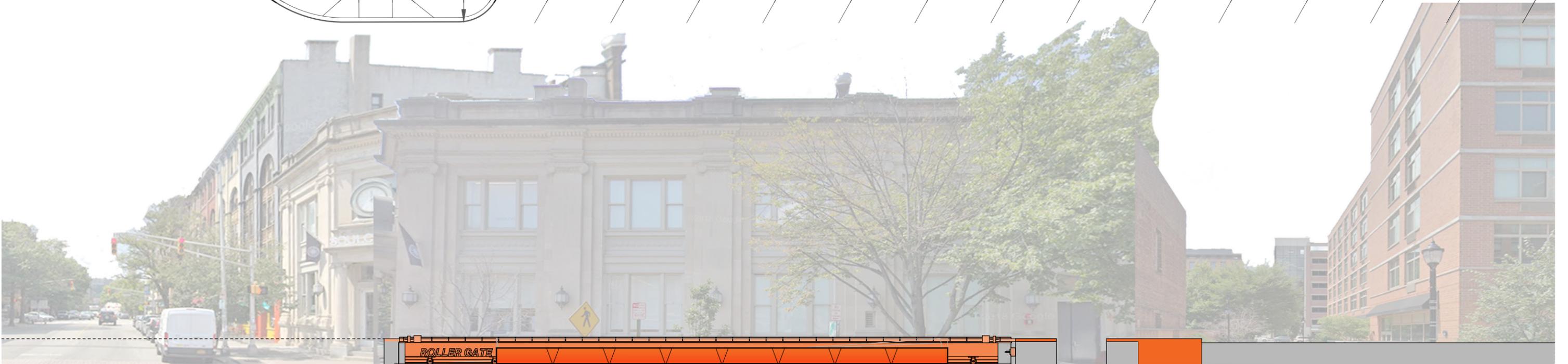
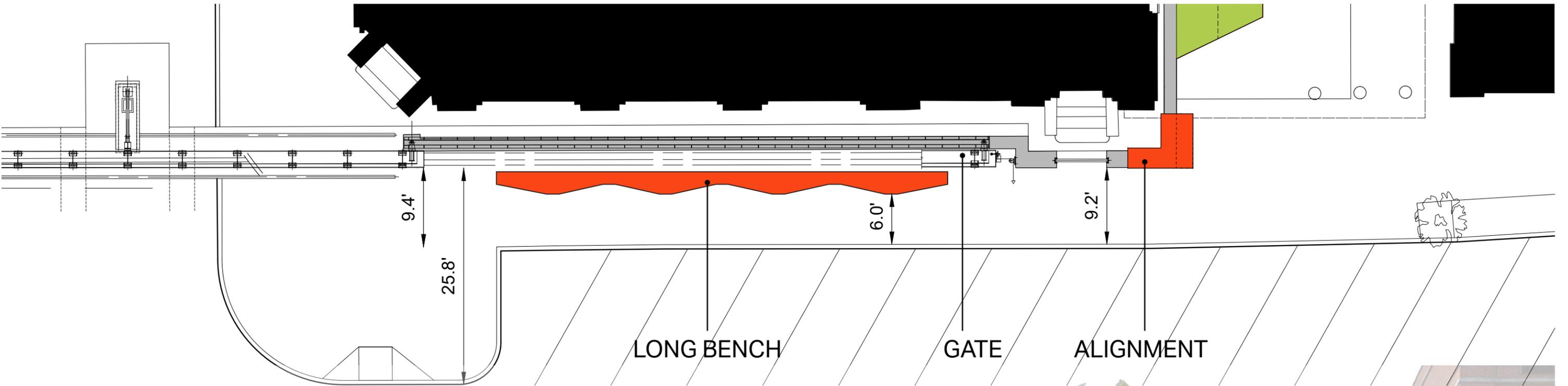
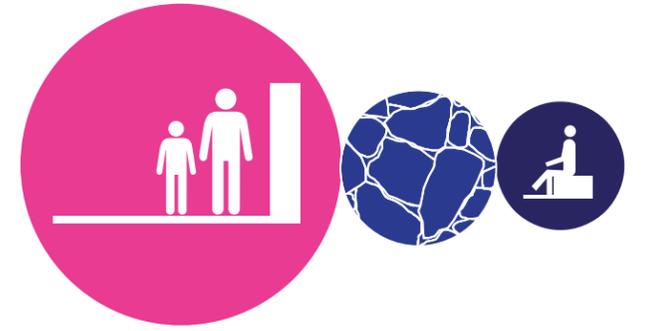


**Residential Building
with Retail**

Sidewalk - 16.2'

**WASHINGTON STREET
(SOUL CYCLE)**

ZONE 3 PROPOSED PLAN & ELEVATION



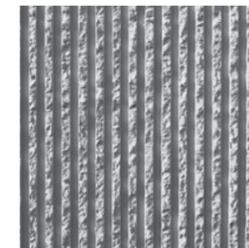
ZONE 3 EXISTING CONDITION



ZONE 3

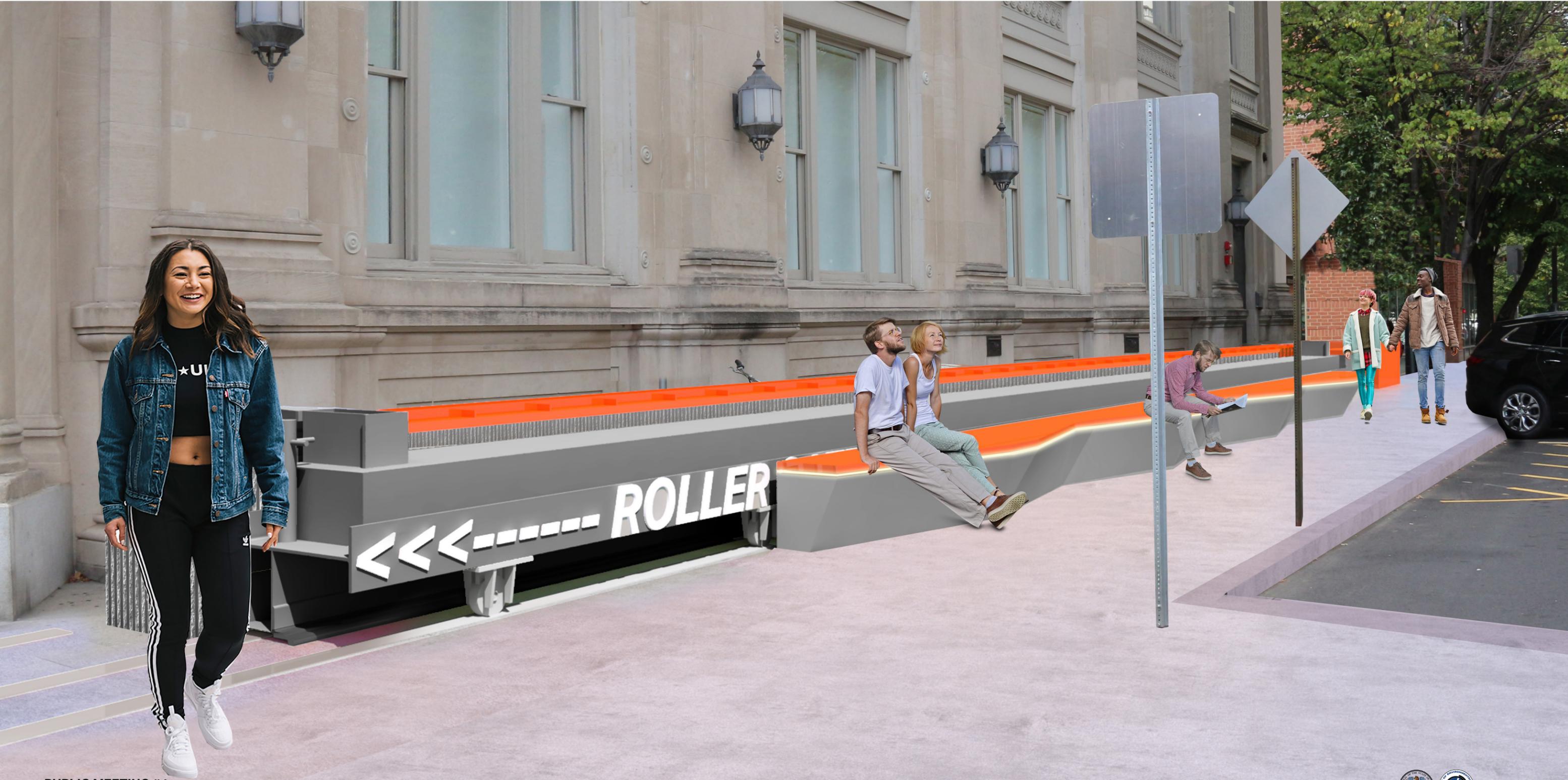
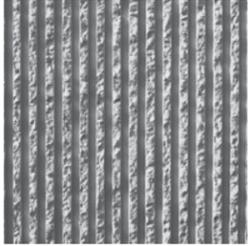
PREVIOUS PROPOSED CONDITION

PREVIOUS



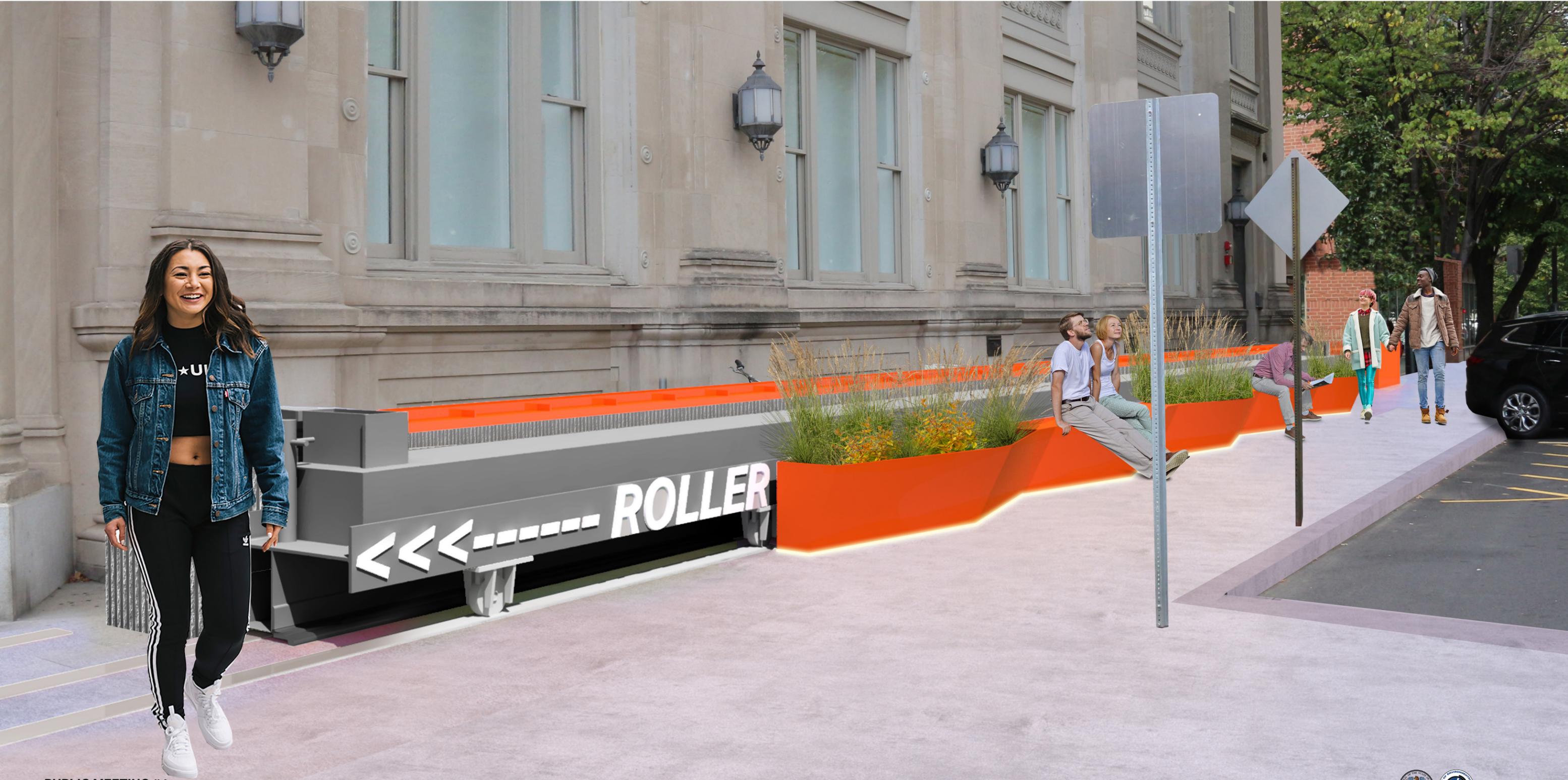
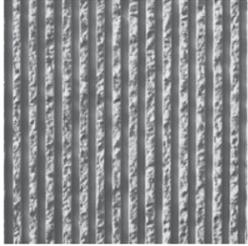
ZONE 3

PROPOSED CONDITION - ORANGE BENCH TOP

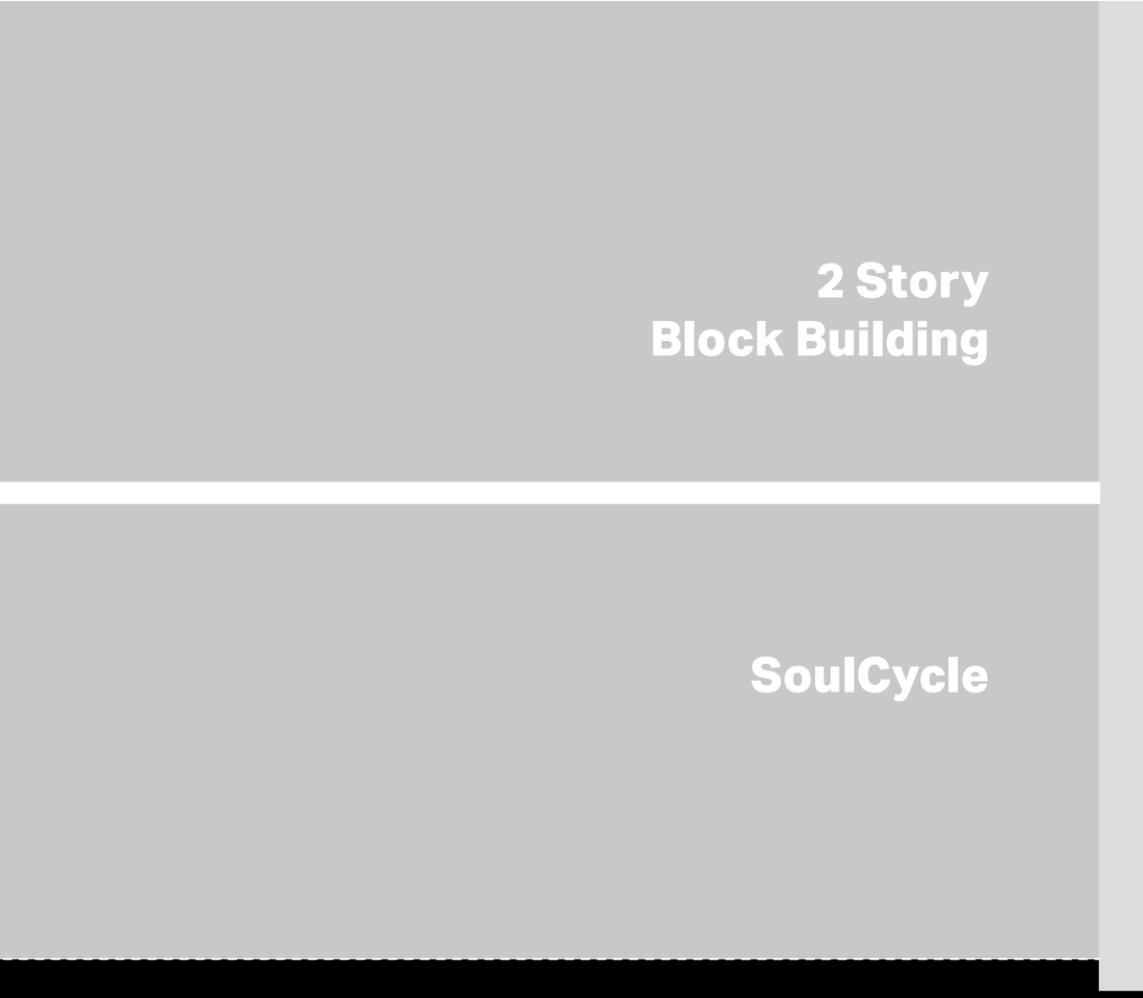
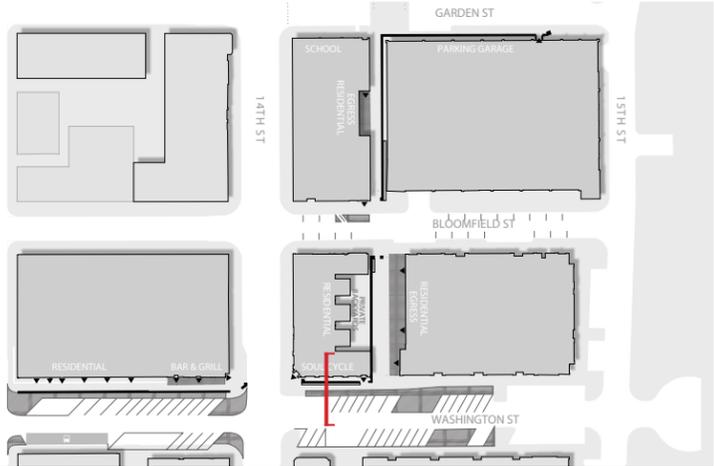


ZONE 3

PROPOSED CONDITION - PLANTER + BENCH



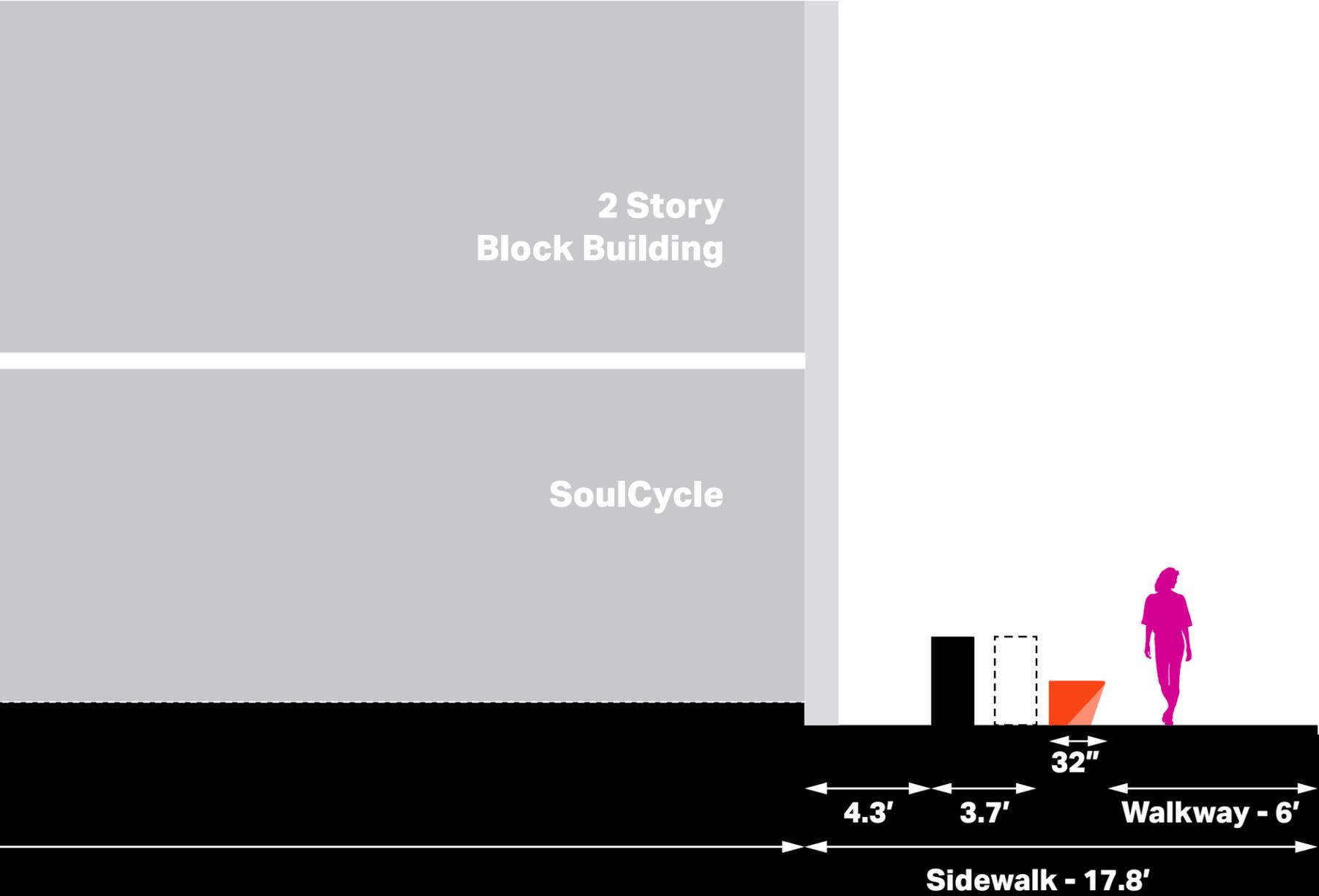
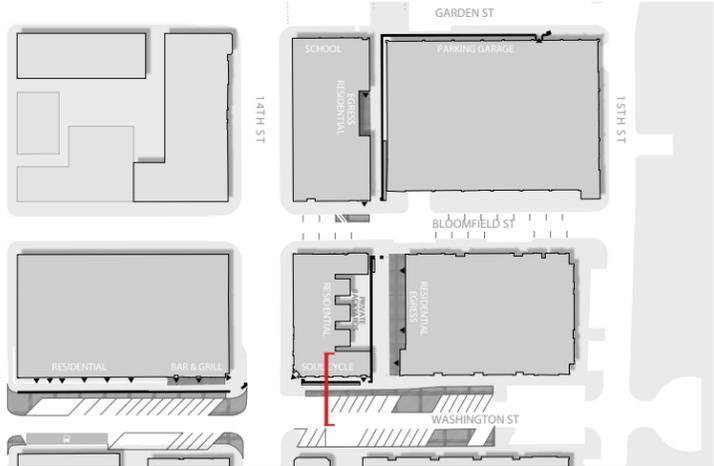
ZONE 3 EXISTING STREET SECTION



Bike Share Dock - 6.7' - 7.9' Walkway - 5.2' Tree Pit - 4.7'

Sidewalk - 17.8'

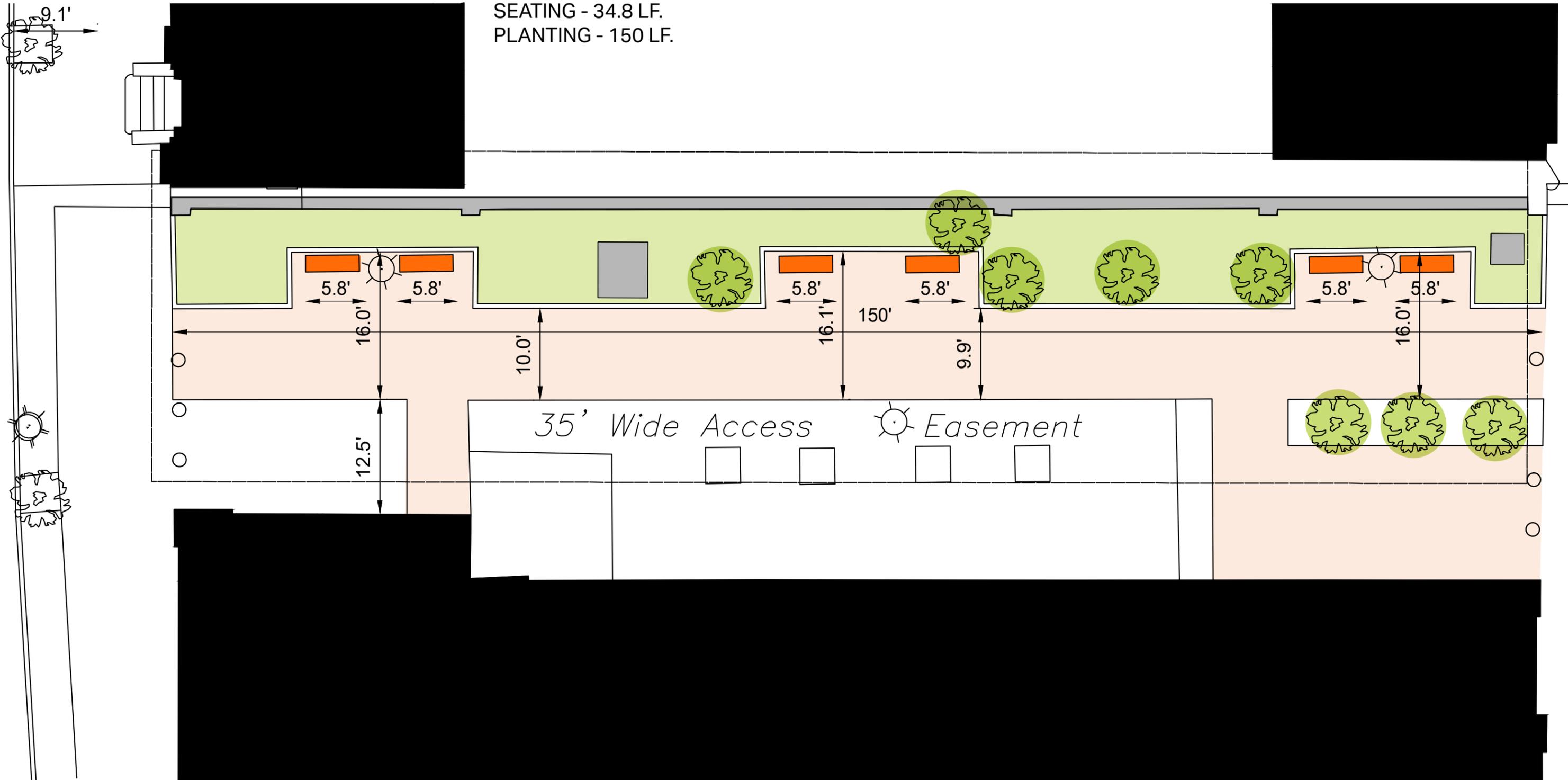
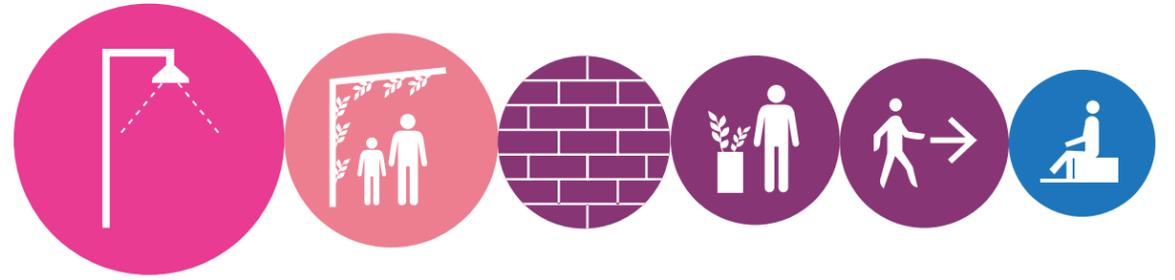
ZONE 3 PROPOSED STREET SECTION



ALLEYWAY EAST

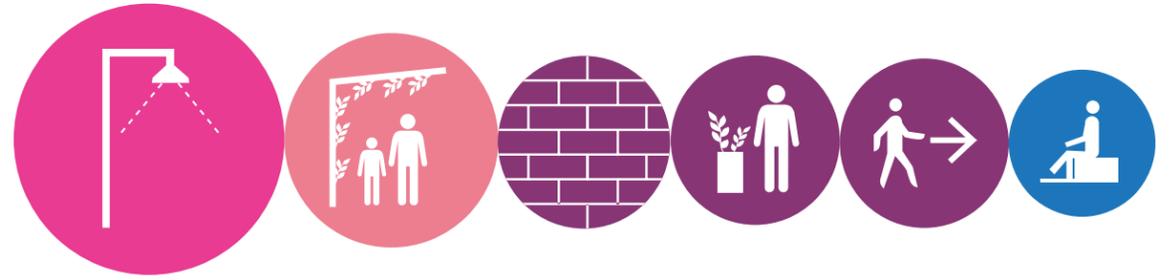
ZONE 3 EXISTING PLAN

ALLEYWAY EAST

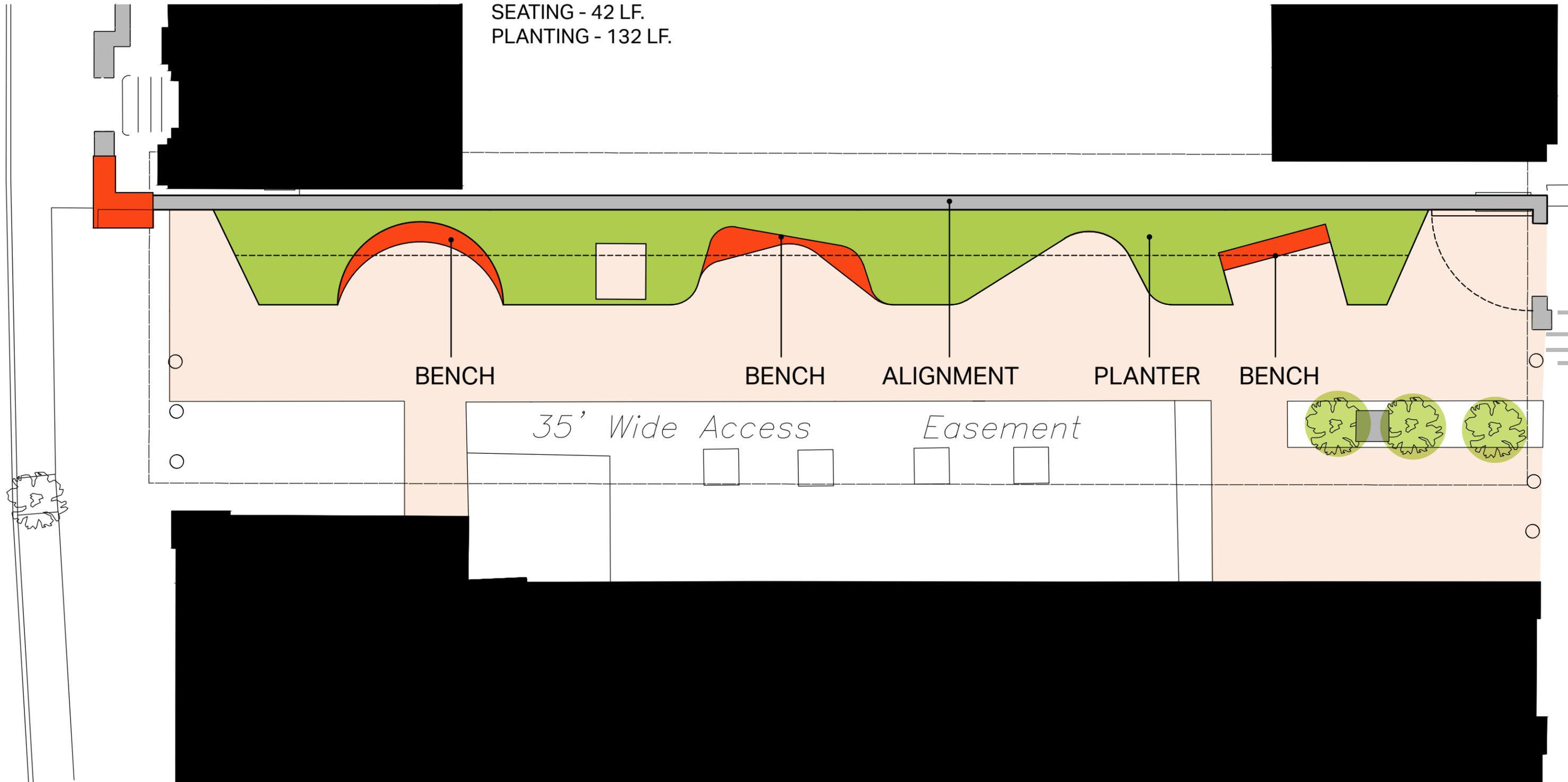


ZONE 3 PROPOSED PLAN

ALLEYWAY EAST



SEATING - 42 LF.
PLANTING - 132 LF.



ZONE 3 PROPOSED ELEVATION

ALLEYWAY EAST

Residential Buildings

SoulCycle Building

132'
Planter

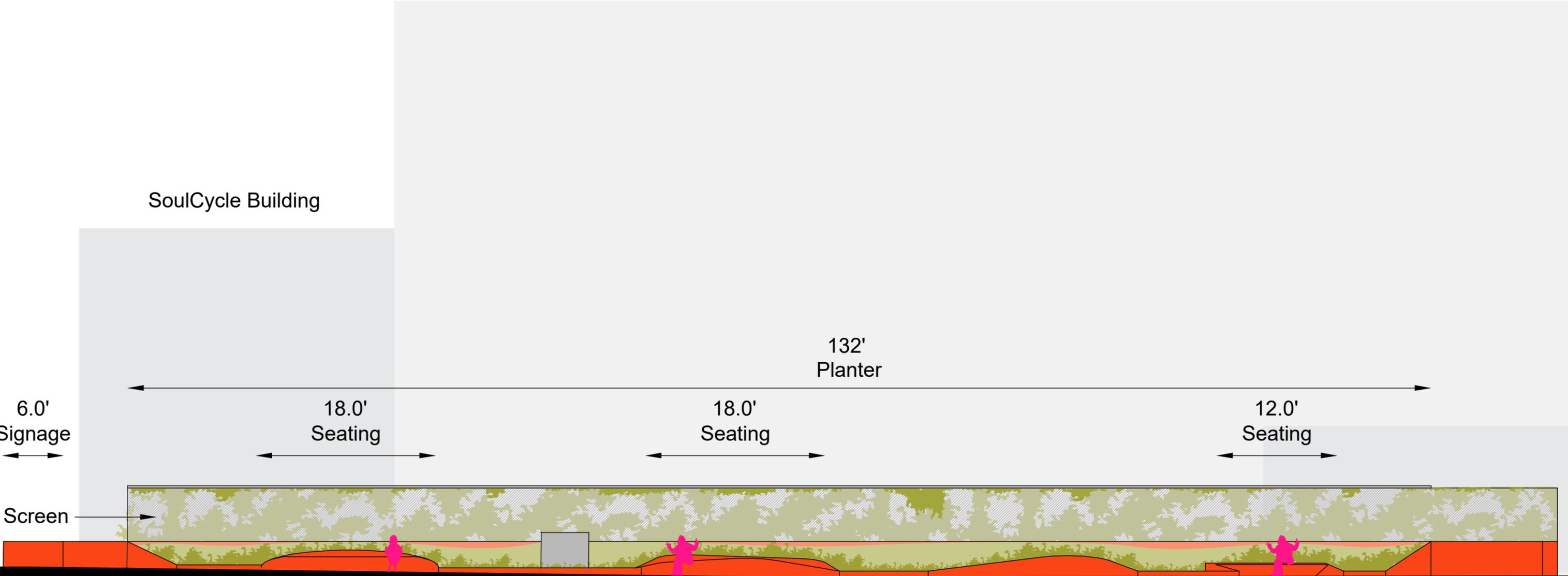
6.0'
Signage

18.0'
Seating

18.0'
Seating

12.0'
Seating

Screen



ZONE 3 EXISTING CONDITION

ALLEYWAY EAST



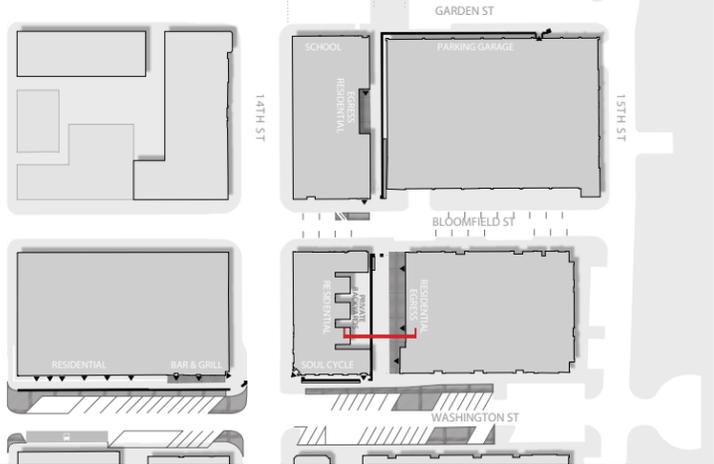
ZONE 3 PROPOSED

ALLEYWAY EAST



ZONE 3 EXISTING STREET SECTION

ALLEYWAY EAST



Residential Building
Private Backyard

Brick Greenery Wall
4.6' - 10.8'
8'

Bench area
6.2'

Walkway - 10'

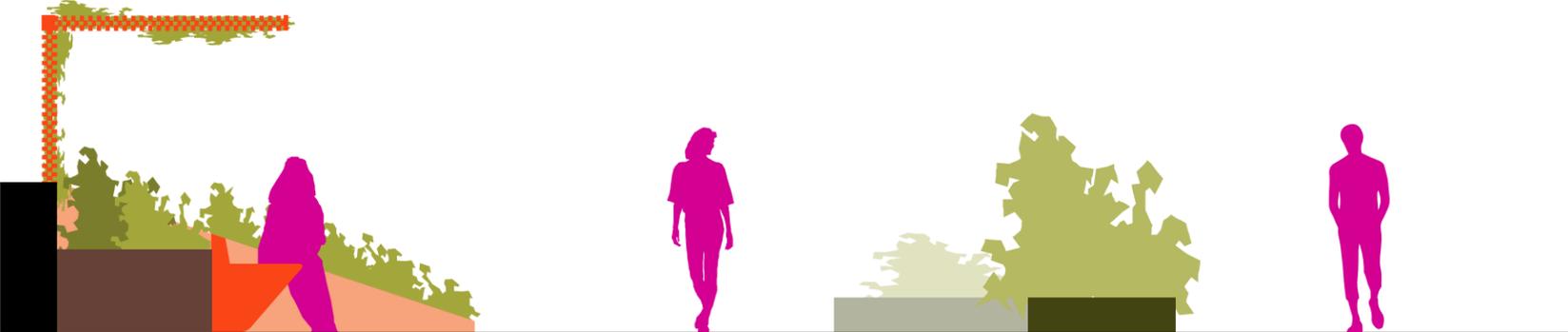
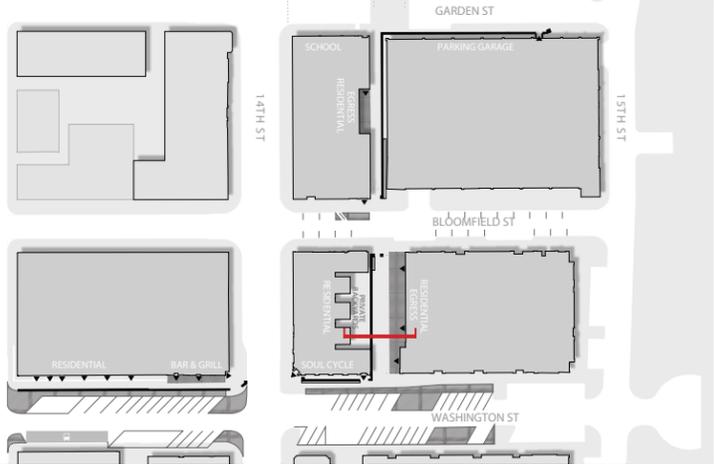
Planters - 9'

Walkway - 10.5'

Alleyway - 40.3'

ZONE 3 PROPOSED STREET SECTION

ALLEYWAY EAST



Residential Building
Private Backyard

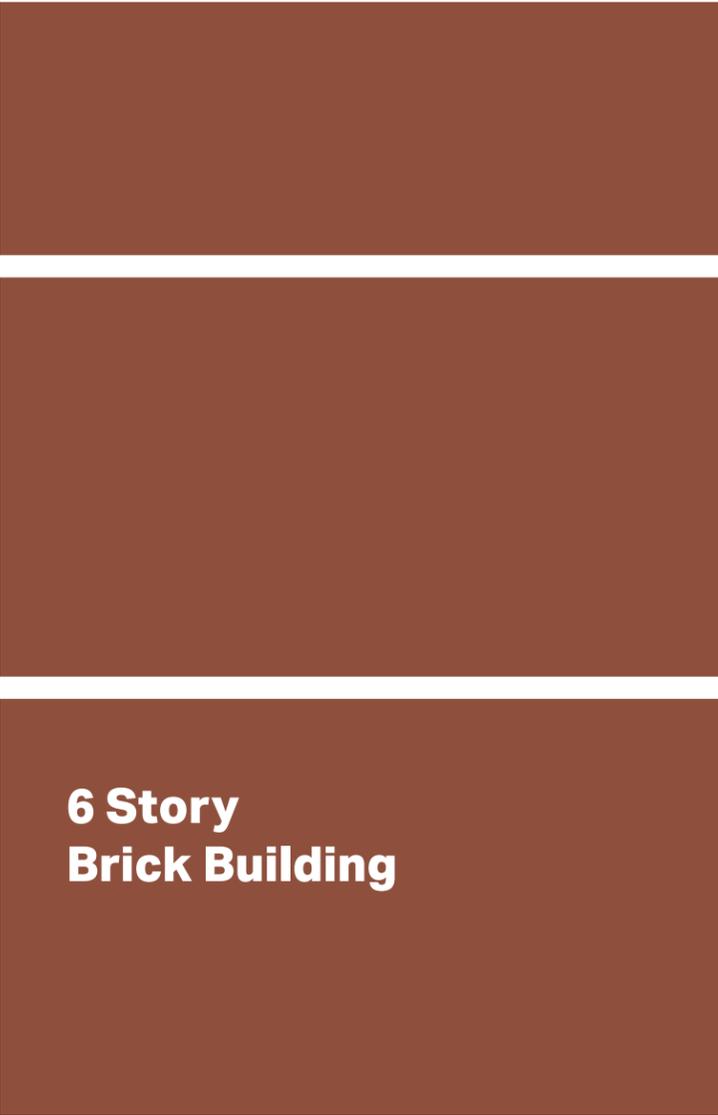
2' min - 10.8' max

Walkway - 10'

Planters - 9'

Walkway - 10.5'

Alleyway - 40.3'

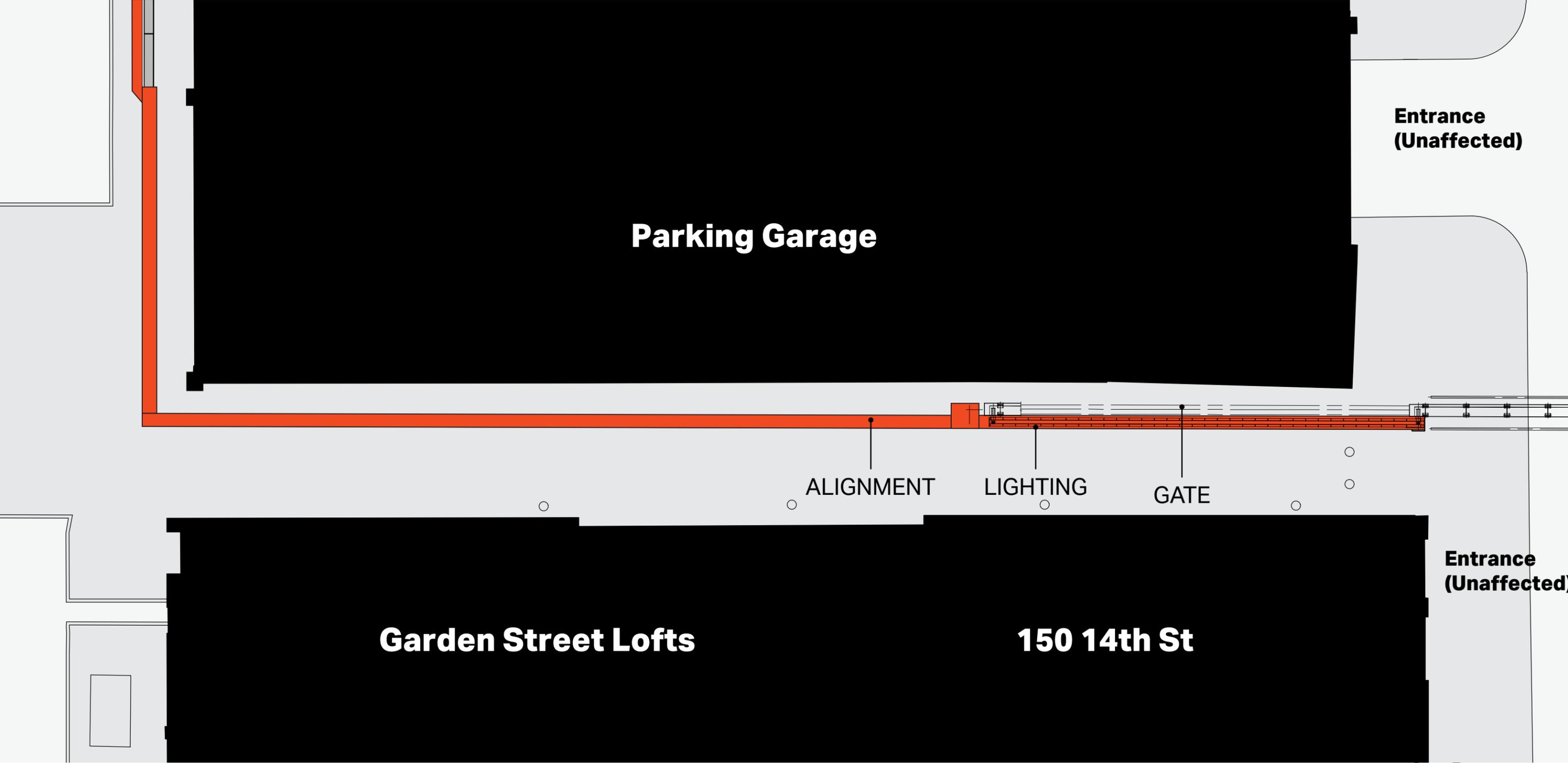
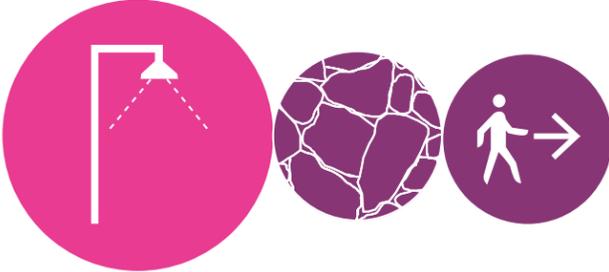


6 Story
Brick Building

ALLEYWAY WEST

ZONE 3 PROPOSED PLAN

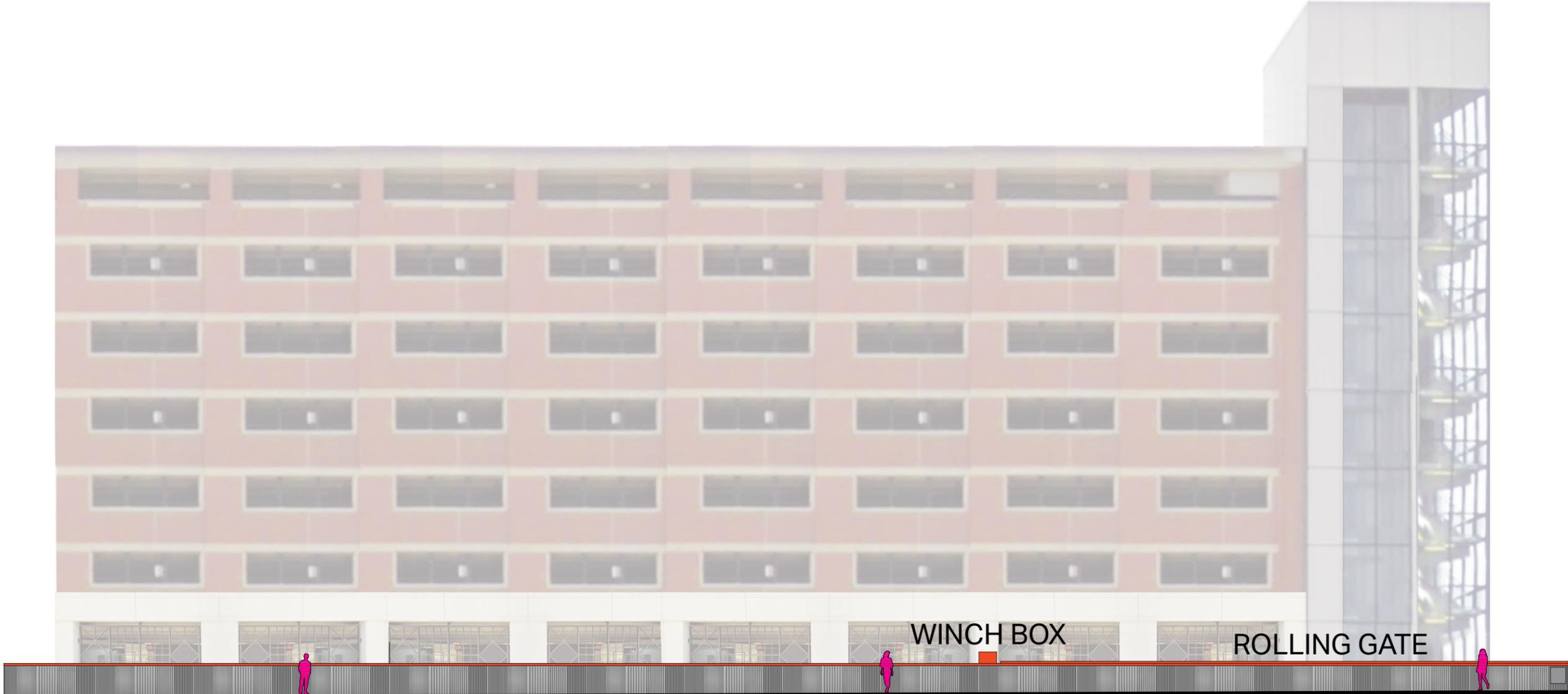
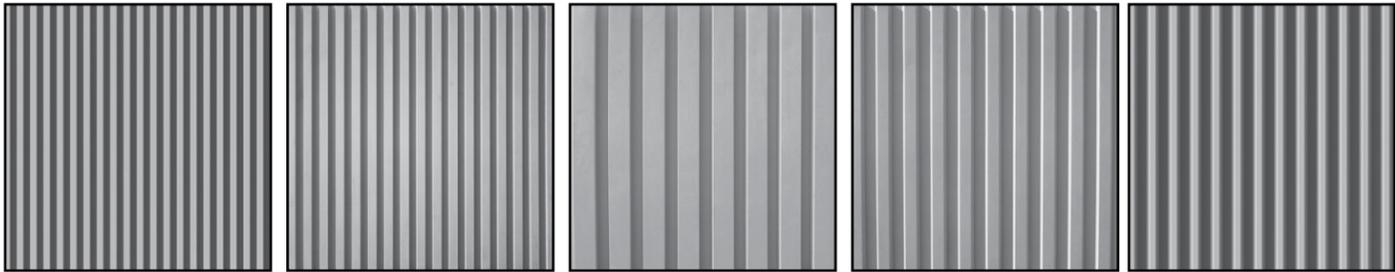
ALLEYWAY WEST



ZONE 3 PROPOSED STREET ELEVATION

ALLEYWAY WEST

MIXED FORMLINER PATTERN



ZONE 3 EXISTING CONDITION

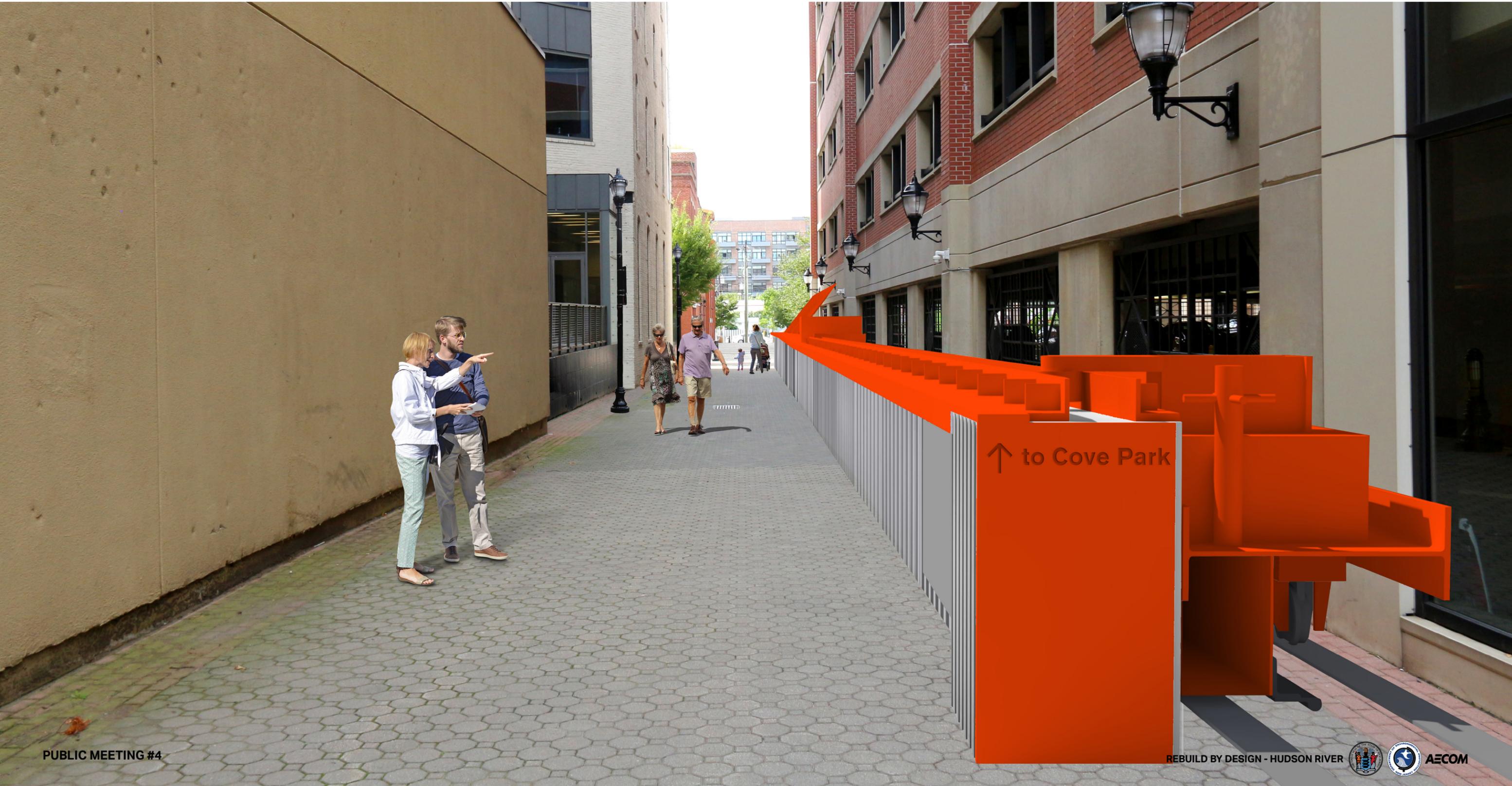
ALLEYWAY WEST



ZONE 3 PROPOSED

ALLEYWAY WEST

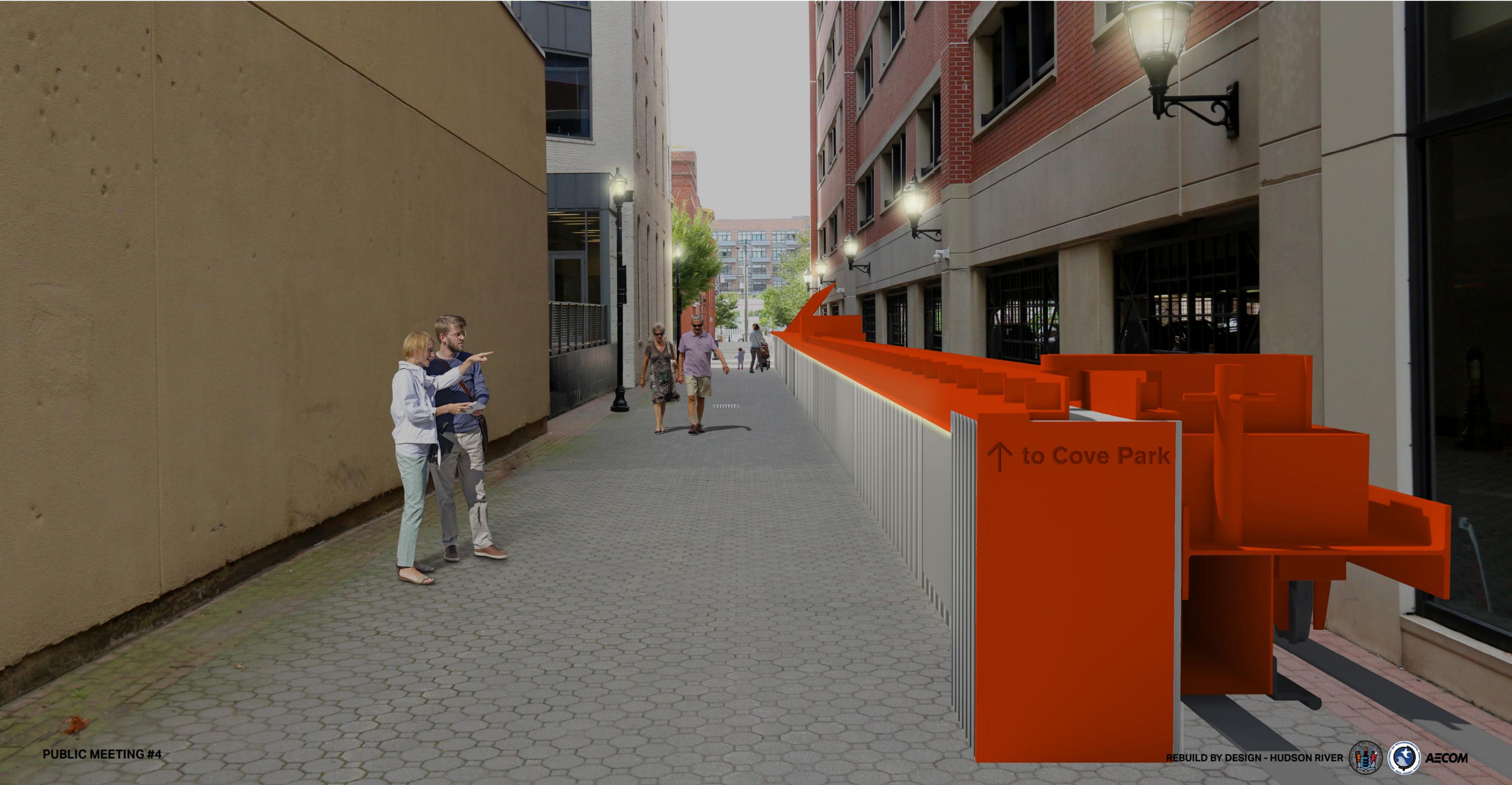
PREVIOUS



ZONE 3 PROPOSED

PREVIOUS

ALLEYWAY WEST



ZONE 3 PROPOSED

ALLEYWAY WEST

(Potential Mural Space)

↑ to Cove Park

ZONE 3 PROPOSED

ALLEYWAY WEST

(Potential Mural Space)

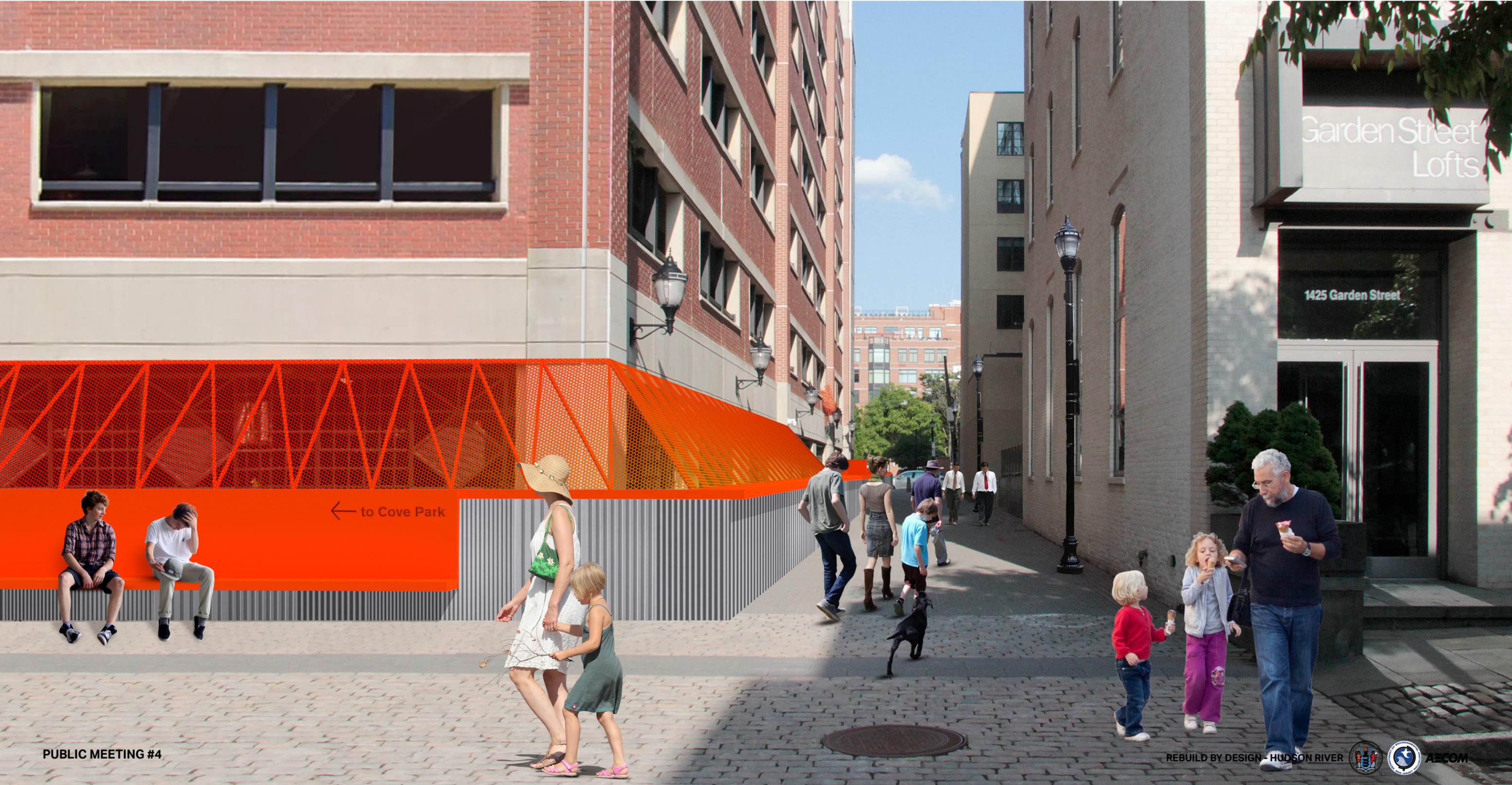


ZONE 3

PREVIOUS PROPOSED CONDITION

PREVIOUS

GARDEN STREET



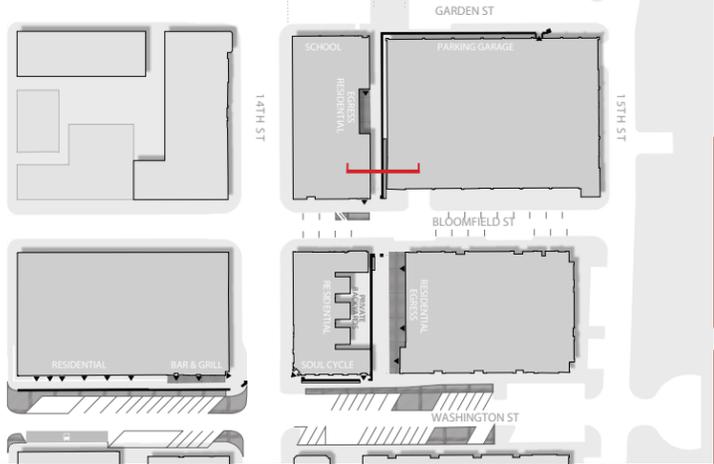
ZONE 3 PROPOSED - LESS ORANGE

GARDEN STREET



ZONE 3 EXISTING STREET SECTION

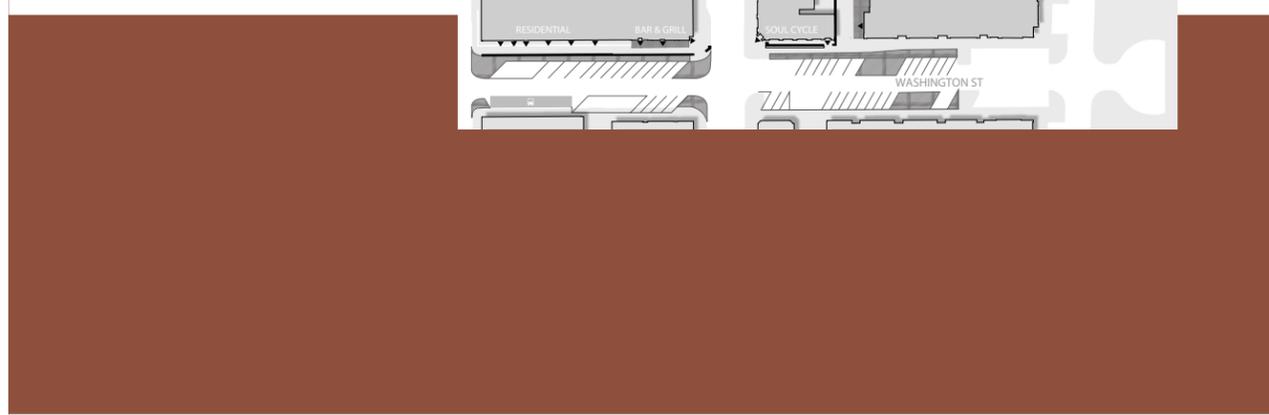
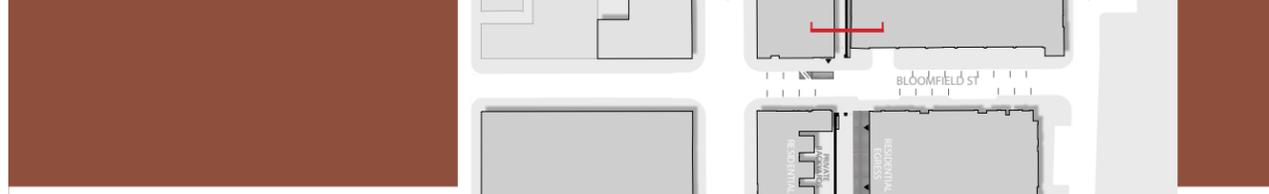
ALLEYWAY WEST



**6 Story
Brick Building**



Alleyway - 21.2'



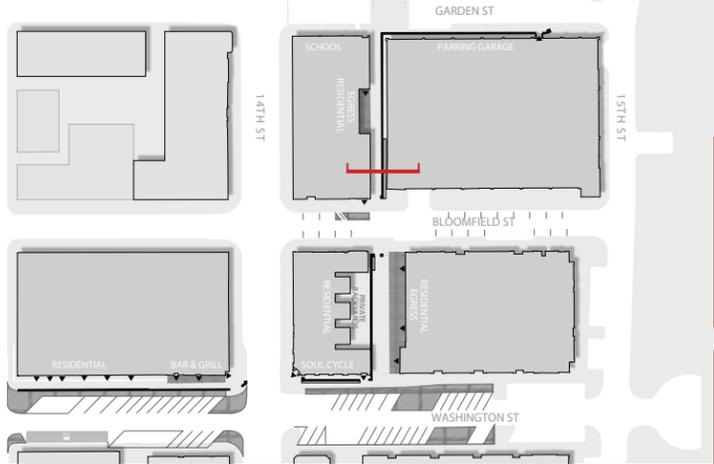
**8 Story
Brick Building**

Residential Building

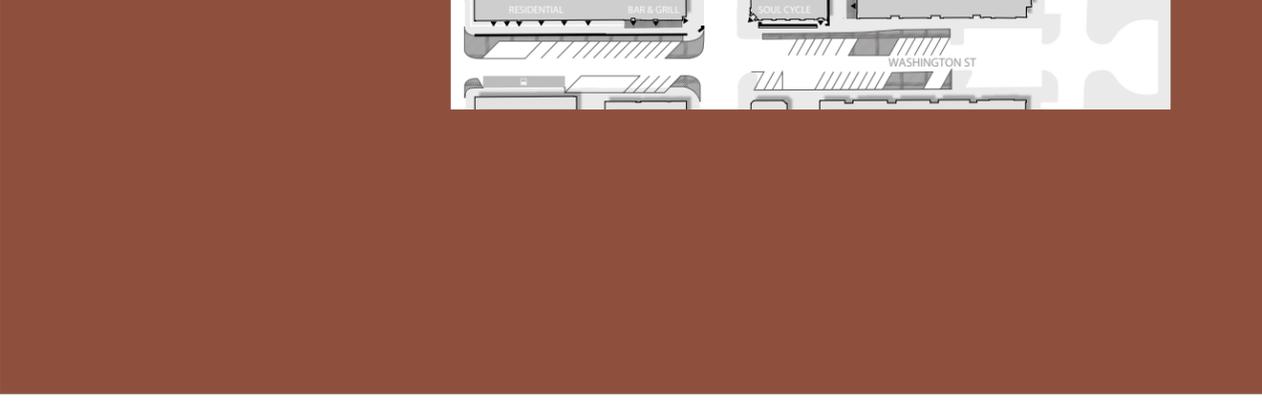
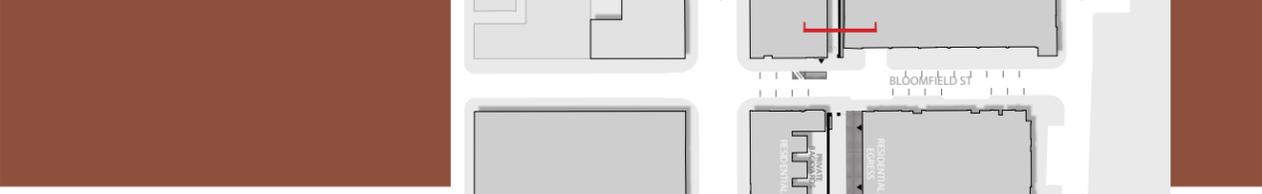
Garage Building

ZONE 3 PROPOSED STREET SECTION

ALLEYWAY WEST



**6 Story
Brick Building**



**8 Story
Brick Building**

Residential Building

Alleyway - varies
(13.5' to 15.7')

Behind Gate - 3.5'

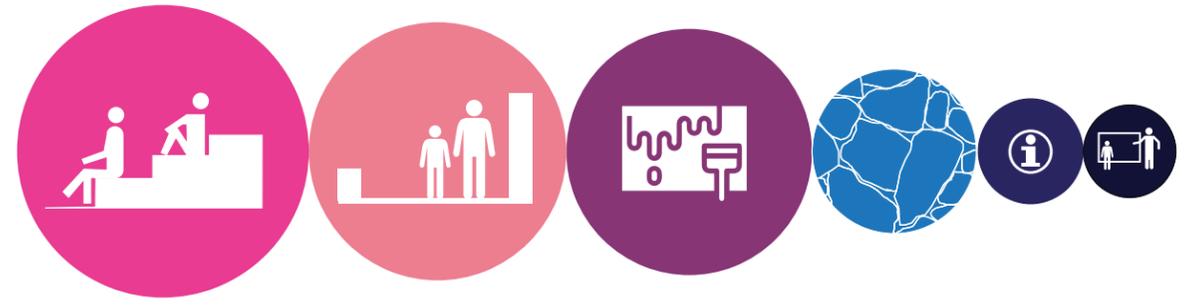
Garage Building

Behind
Structure- 5.6'

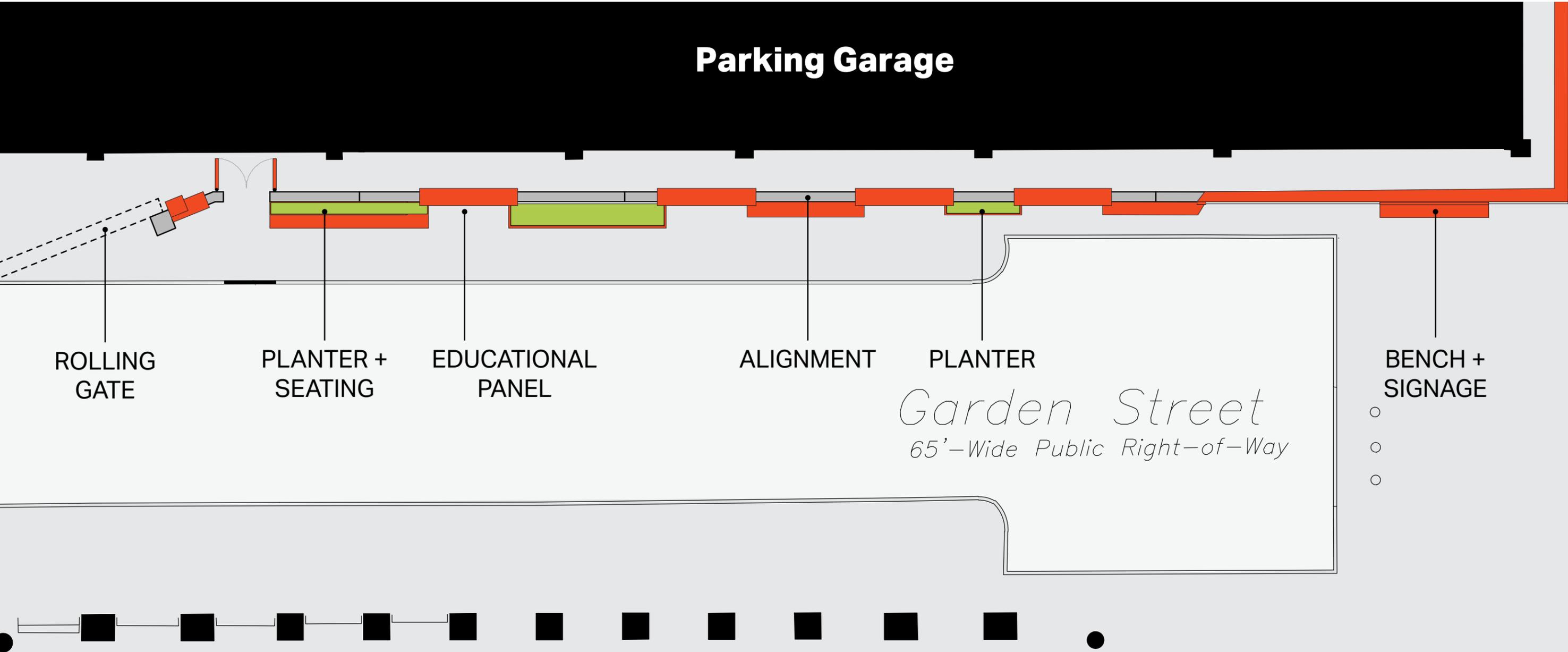
GARDEN STREET

ZONE 3 PROPOSED PLAN

GARDEN STREET



Parking Garage



ROLLING
GATE

PLANTER +
SEATING

EDUCATIONAL
PANEL

ALIGNMENT

PLANTER

Garden Street
65'-Wide Public Right-of-Way

BENCH +
SIGNAGE

-
-
-
-

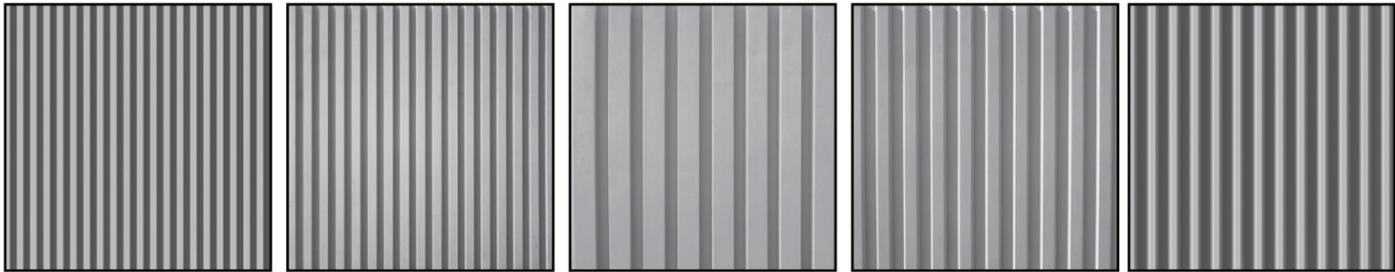
Elysian Charter School

Residential

ZONE 3 PROPOSED STREET ELEVATION

GARDEN STREET

MIXED FORMLINER PATTERN



Alleyway

ZONE 3 EXISTING CONDITION

GARDEN STREET



ZONE 3 PREVIOUS PROPOSED

PREVIOUS

GARDEN STREET



ZONE 3 PROPOSED - LESS ORANGE

GARDEN STREET



ZONE 3 EXISTING CONDITION

GARDEN STREET



ZONE 3 PROPOSED

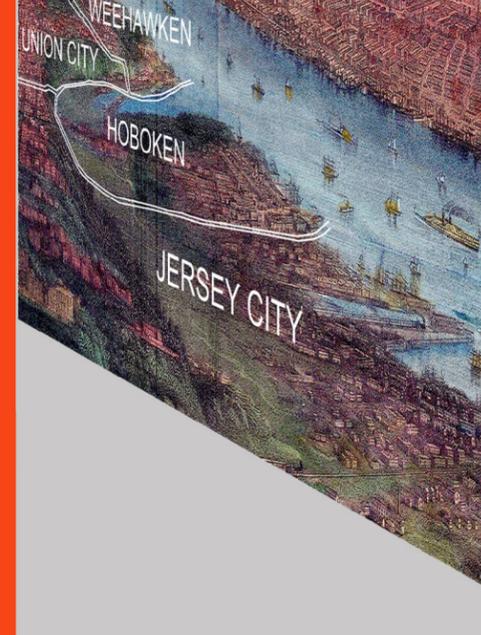
GARDEN STREET

PREVIOUS



HISTORIC HOBOKEN

Hoboken's modern history begins when Henry Hudson's navigator made note of the area's green-tinted soil during the 1609 voyage on the ship the Half Moon. The men on the ship Half Moon called the area "the green-colored serpentine soil" and named it "the green-colored serpentine soil." The name "Hoboken" is derived from the Dutch word "Hoboken," meaning "high bluff." The name "Hoboken" was first used in 1609 by Henry Hudson's navigator, Willem Verelst, in his journal. The name "Hoboken" was first used in 1609 by Henry Hudson's navigator, Willem Verelst, in his journal. The name "Hoboken" was first used in 1609 by Henry Hudson's navigator, Willem Verelst, in his journal.



ZONE 3 PROPOSED - LESS ORANGE

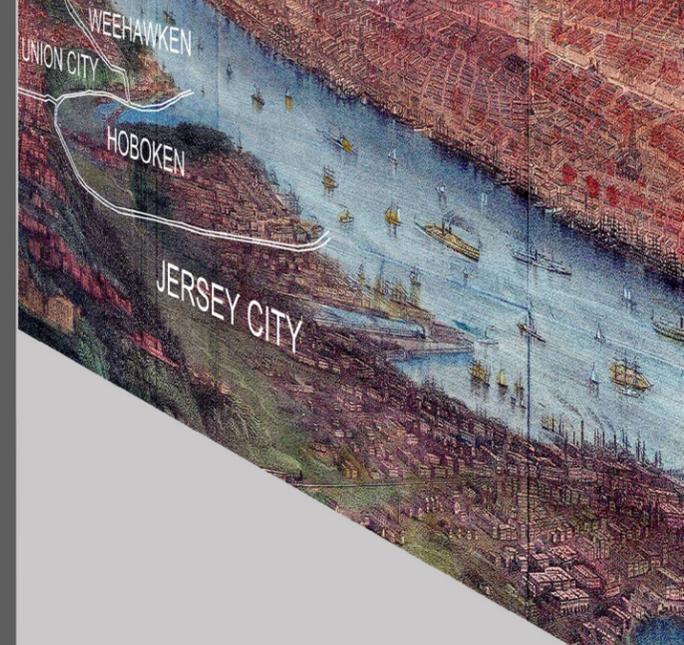
GARDEN STREET



HISTORIC HOBOKEN

Hoboken's modern history begins when Henry Hudson's navigator made note of the area's green-tinted soil during the 1609 voyage on the ship that now bears the explorer's name. The men on the ship Half Moon landed on the island of Manhattan, but they did not stay. They sailed to the island of New York, which they named New Amsterdam. The Dutch Governor of Manhattan, bought the island from the Hudson River Indians for 60 manna of tobacco, 20 barrels of cloth, 12 barrels of sugar, 1 double bottle and half a barrel of beer.

Subsequently, the land came into the possession of William Bayard. Because he chose to be a Loyalist, he was banished from the colony. In 1784, Colonel Robert R. Livingston, the first Governor of New Jersey, bought the island at public auction for 18,360 manna. He then sold the island to the State of New Jersey, which established the city of Hoboken. The city's name is derived from the nearby island's possibility to be an important part of the city's history.



ZONE 3 PROPOSED - ELYSIAN SCHOOL PANEL

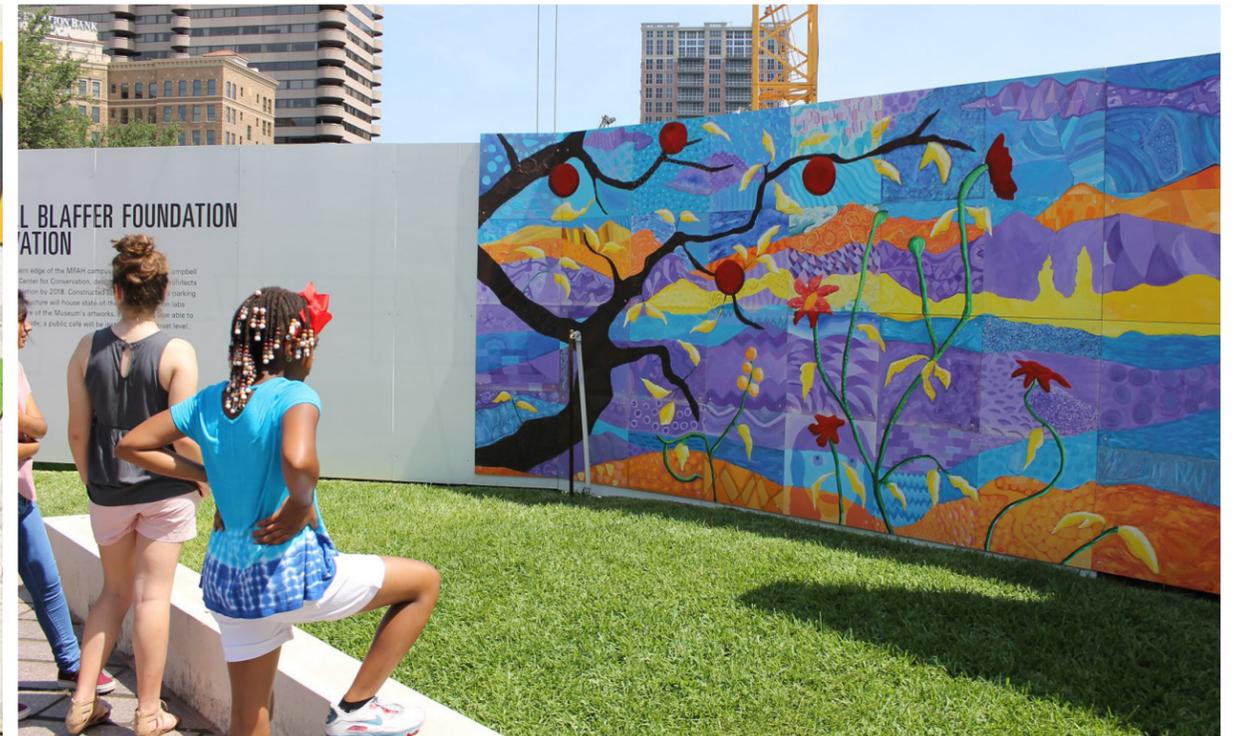
GARDEN STREET



PRECEDENTS

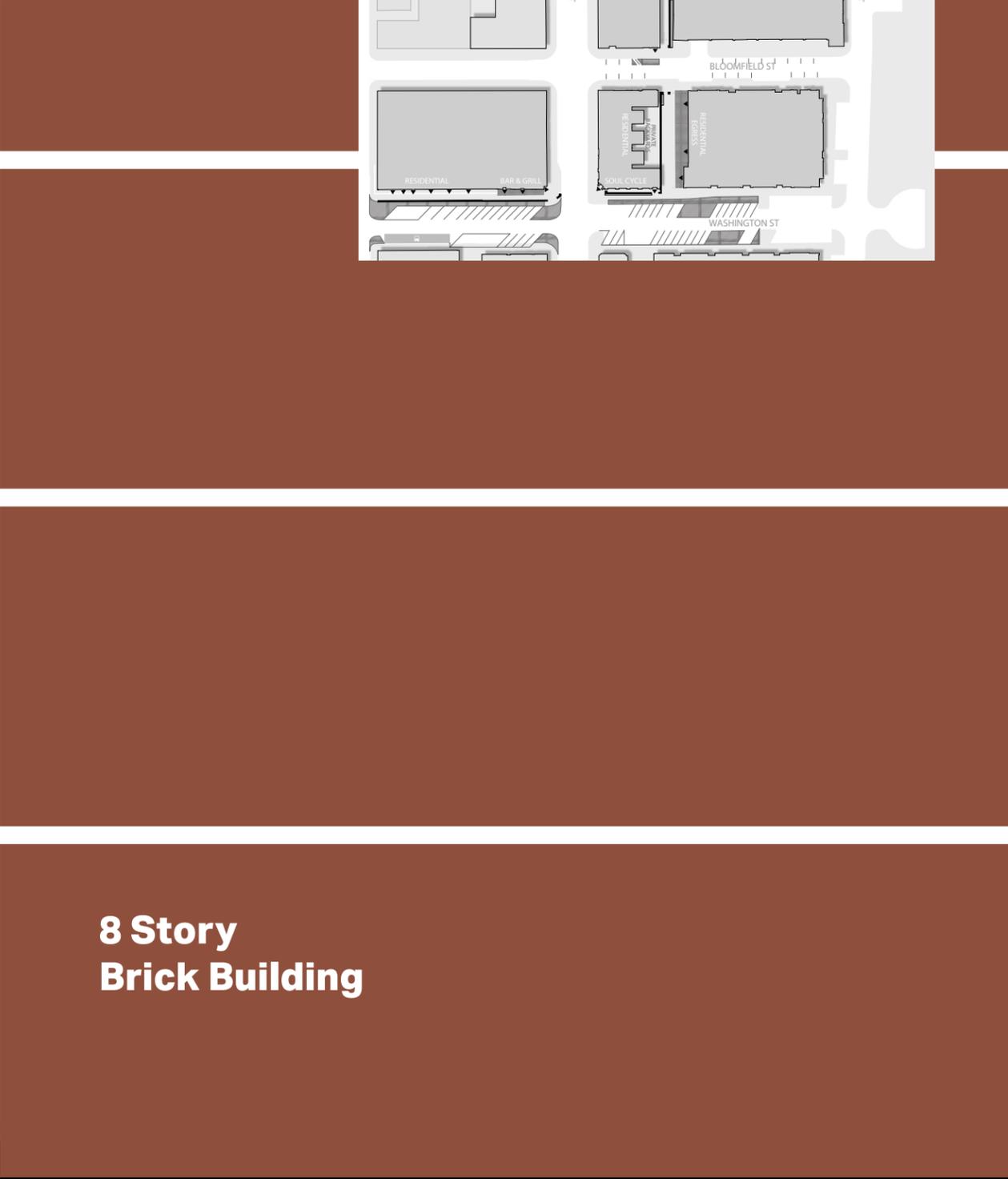
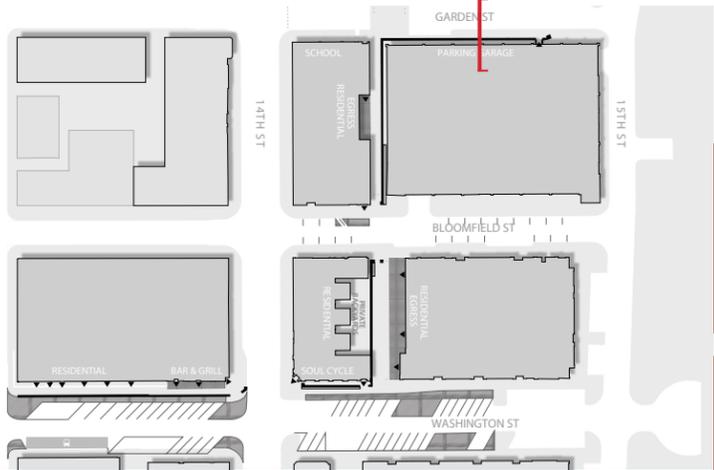
EDUCATIONAL PANEL

MAGNETIC, CHALKBOARD, MURAL

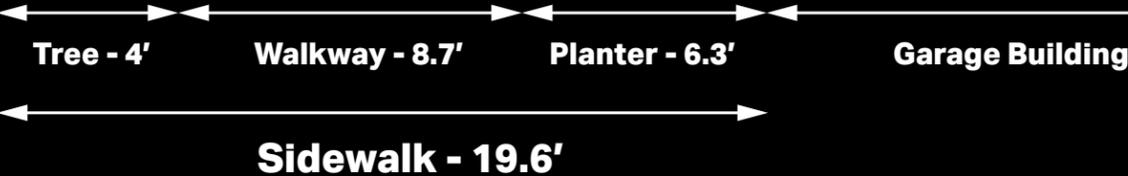


ZONE 3 EXISTING STREET SECTION

GARDEN STREET

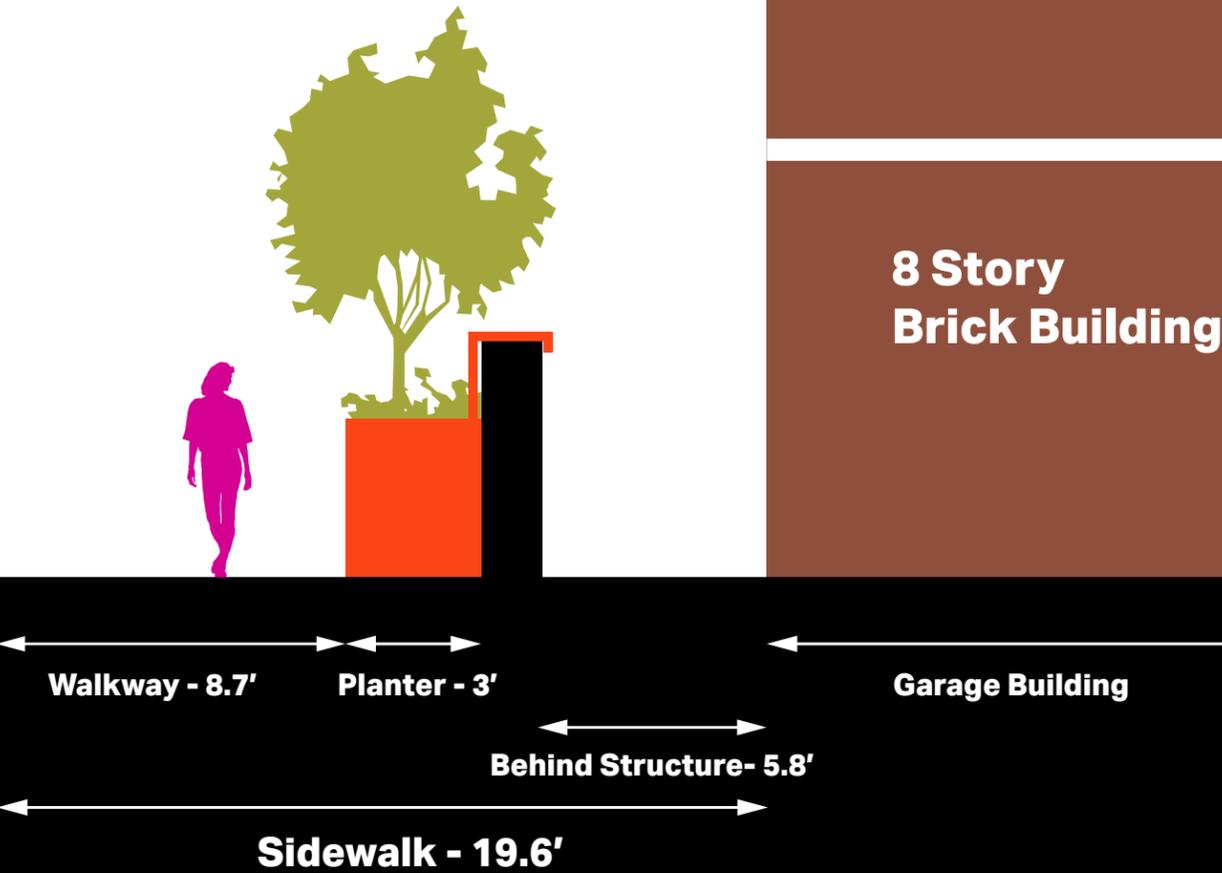
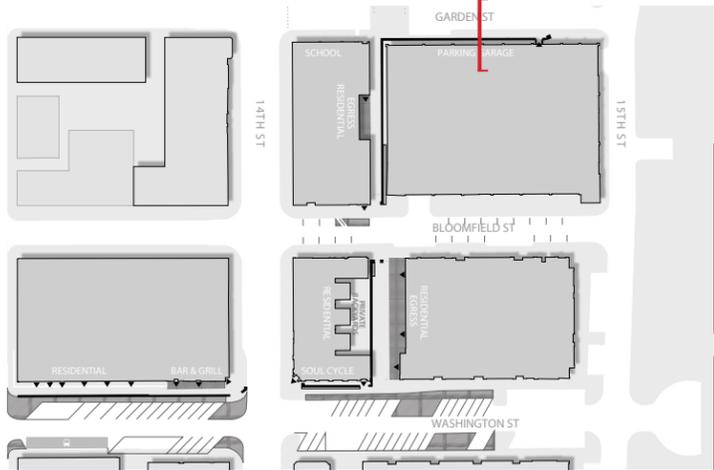


8 Story
Brick Building



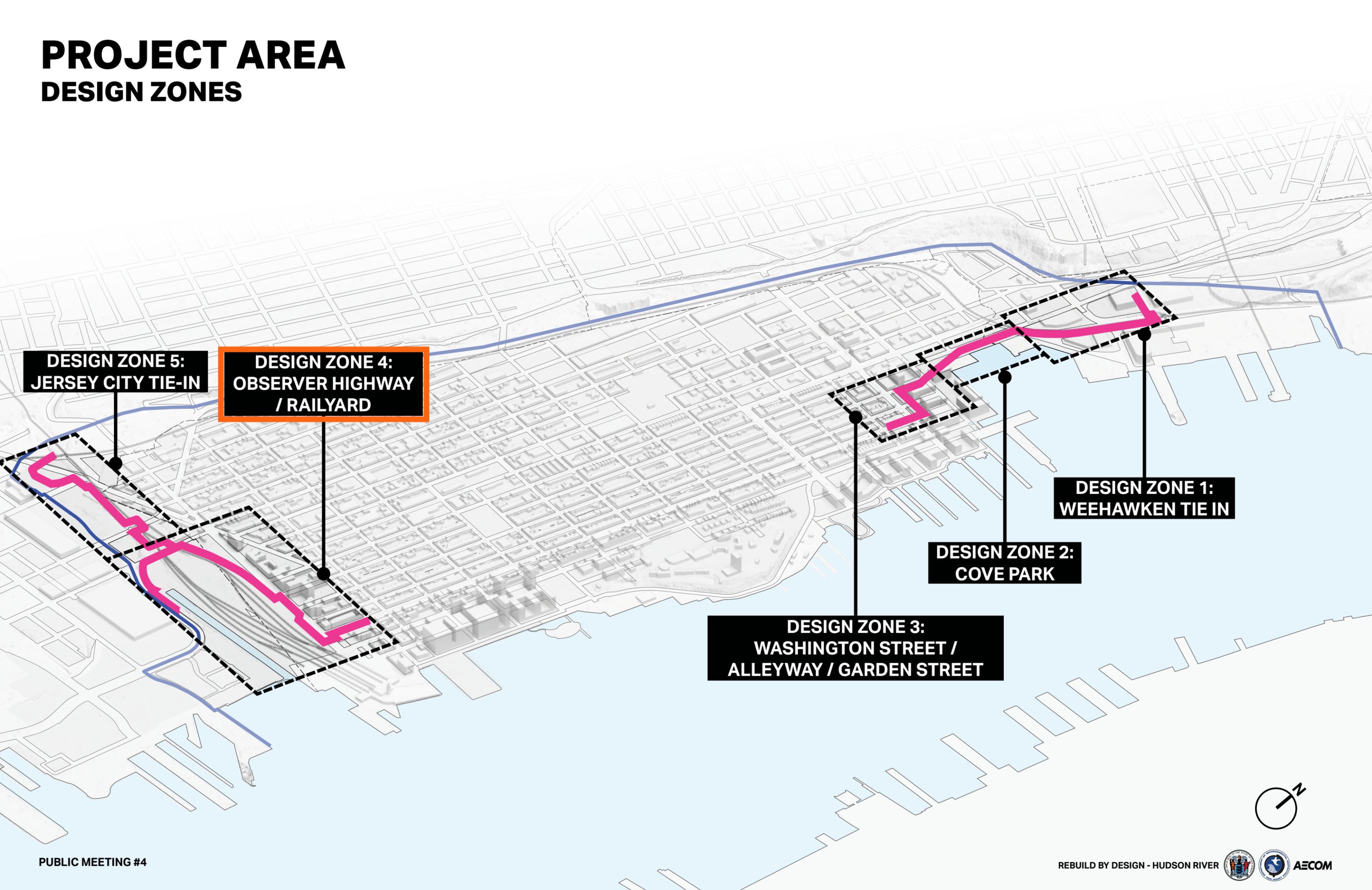
ZONE 3 PROPOSED STREET SECTION

GARDEN STREET



PROJECT AREA

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**



ZONE 4 - WASHINGTON STREET SOUTH

DESIGN STRATEGY - CONTINUOUS PLANTER



ZONE 4 - OBSERVER HIGHWAY

DESIGN STRATEGY - DYNAMIC SCREEN



ZONE 4 - OBSERVER HIGHWAY

DESIGN STRATEGY - MURAL



SEWER SYSTEM MODIFICATION (SSM)



HOBOKEN

SOUTH SSM

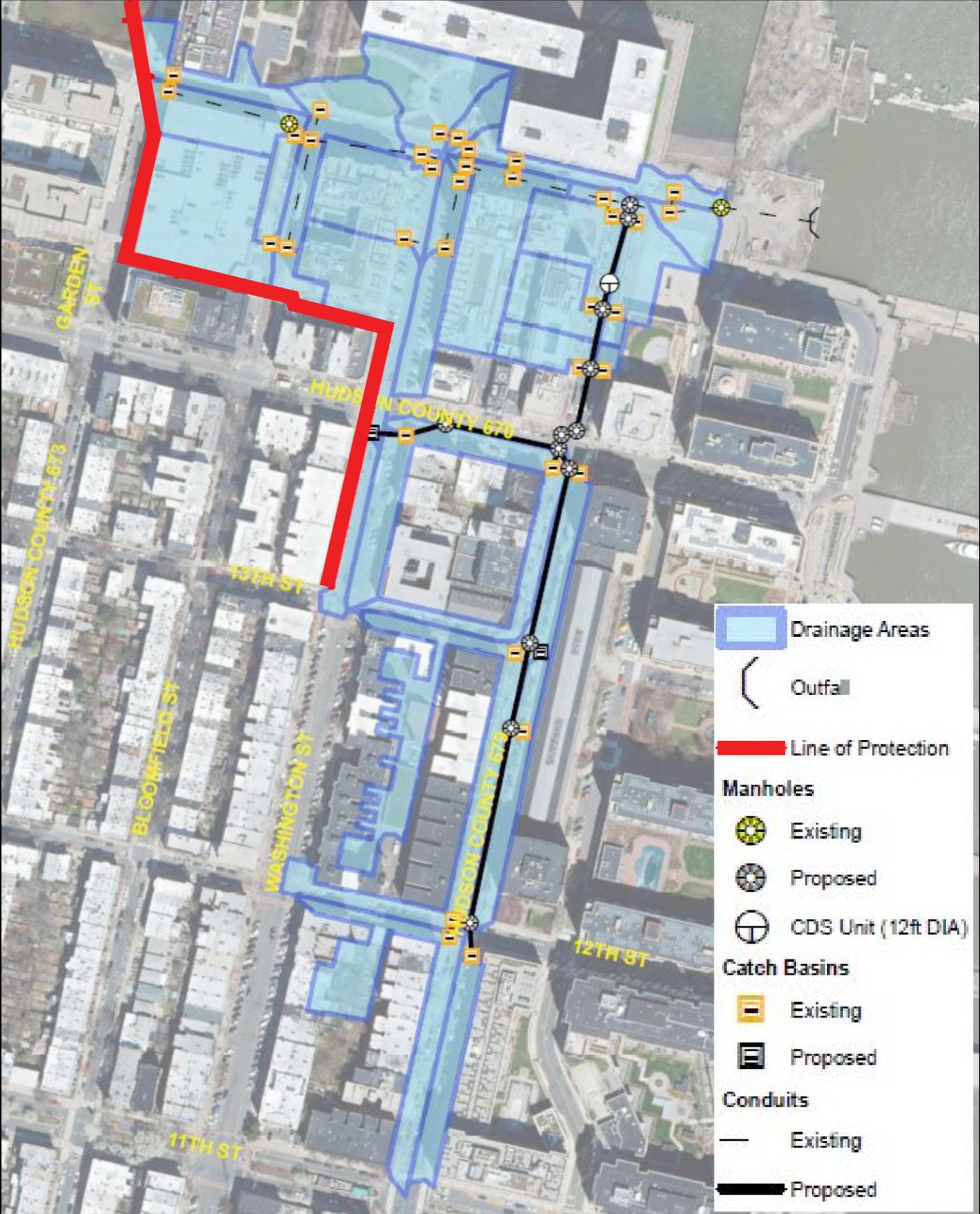
NORTH SSM

WEEHAWKEN

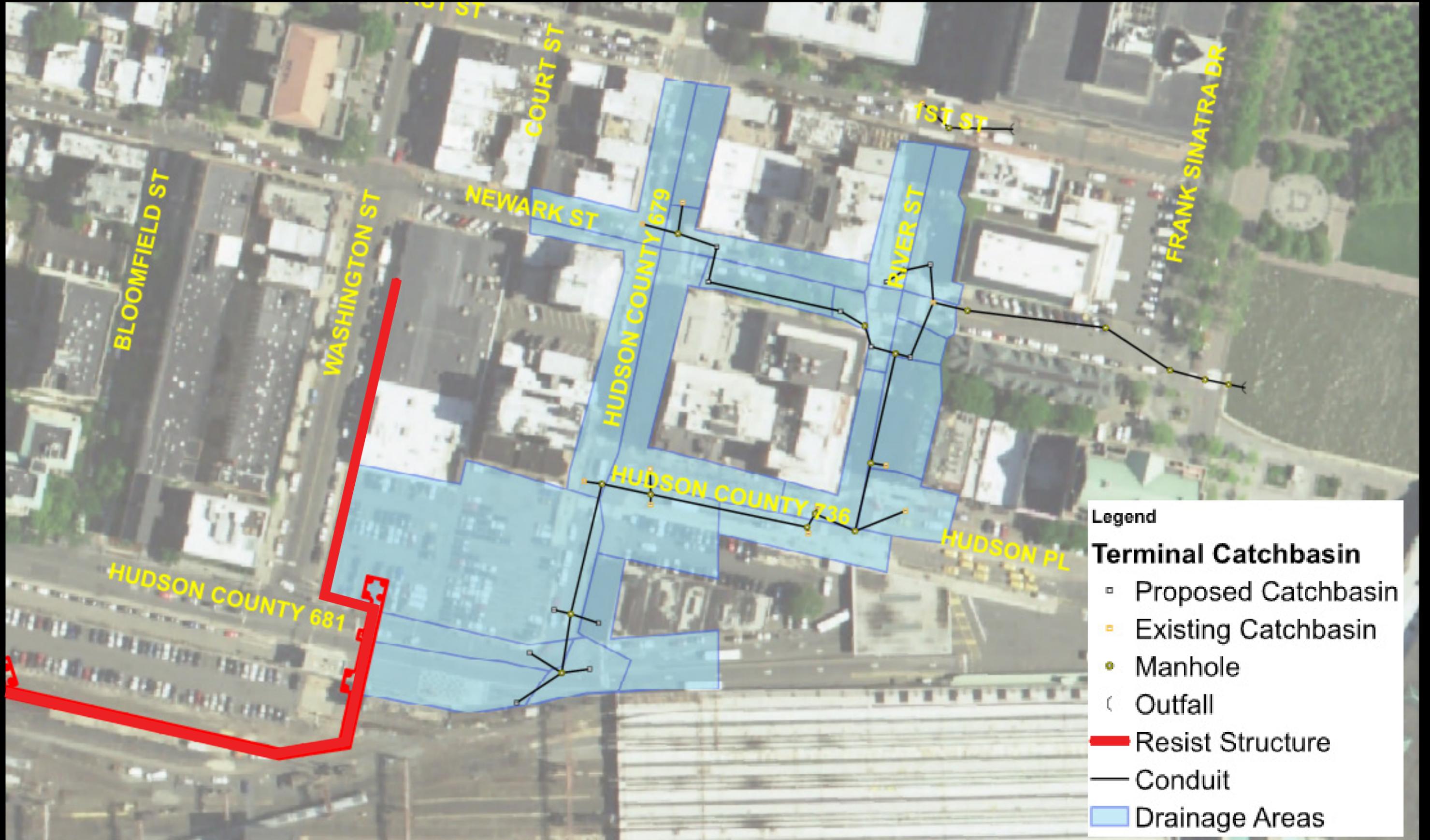
LEGEND
— RESIST STRUCTURE



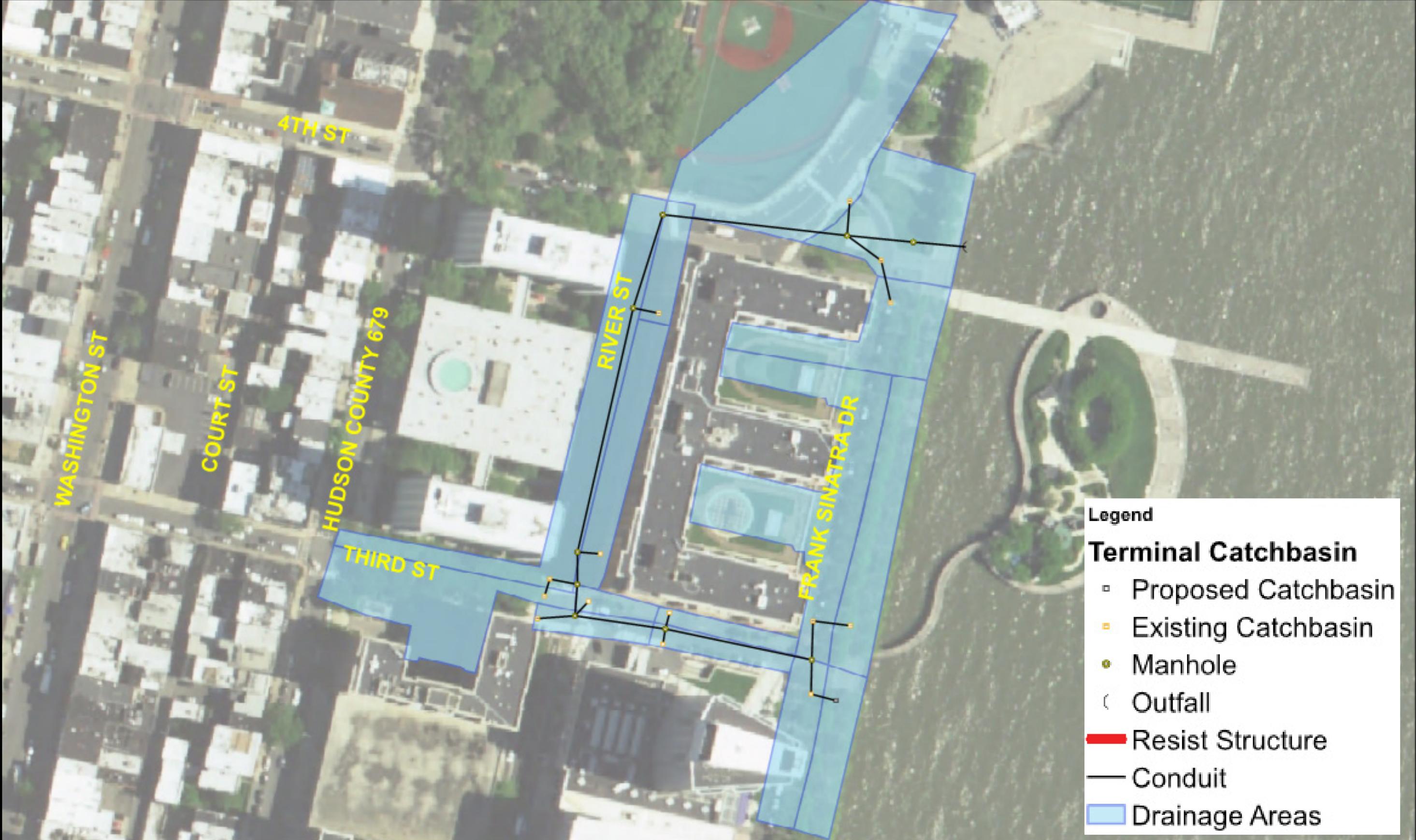
SSM NORTH



SSM SOUTH



SSM SOUTH - CONTINUED



NEXT STEPS + KEY DATES

UPCOMING ENGAGEMENT OPPORTUNITIES

- **SSM CONTRACT**

- 2020 TBD

- **PUBLIC MEETING #5**

- 2020 TBD

- **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

Contracting and Schedule Updates

- **Upcoming Contracting**
 - **Sewer Separation Modification**
 - **Storm Resist Alignment**
- **Schedule**
- **Next Steps for 2020**
- **Q & A Session**
- **Breakout Sessions**

Sewer Separation Modification (SSM) Contract

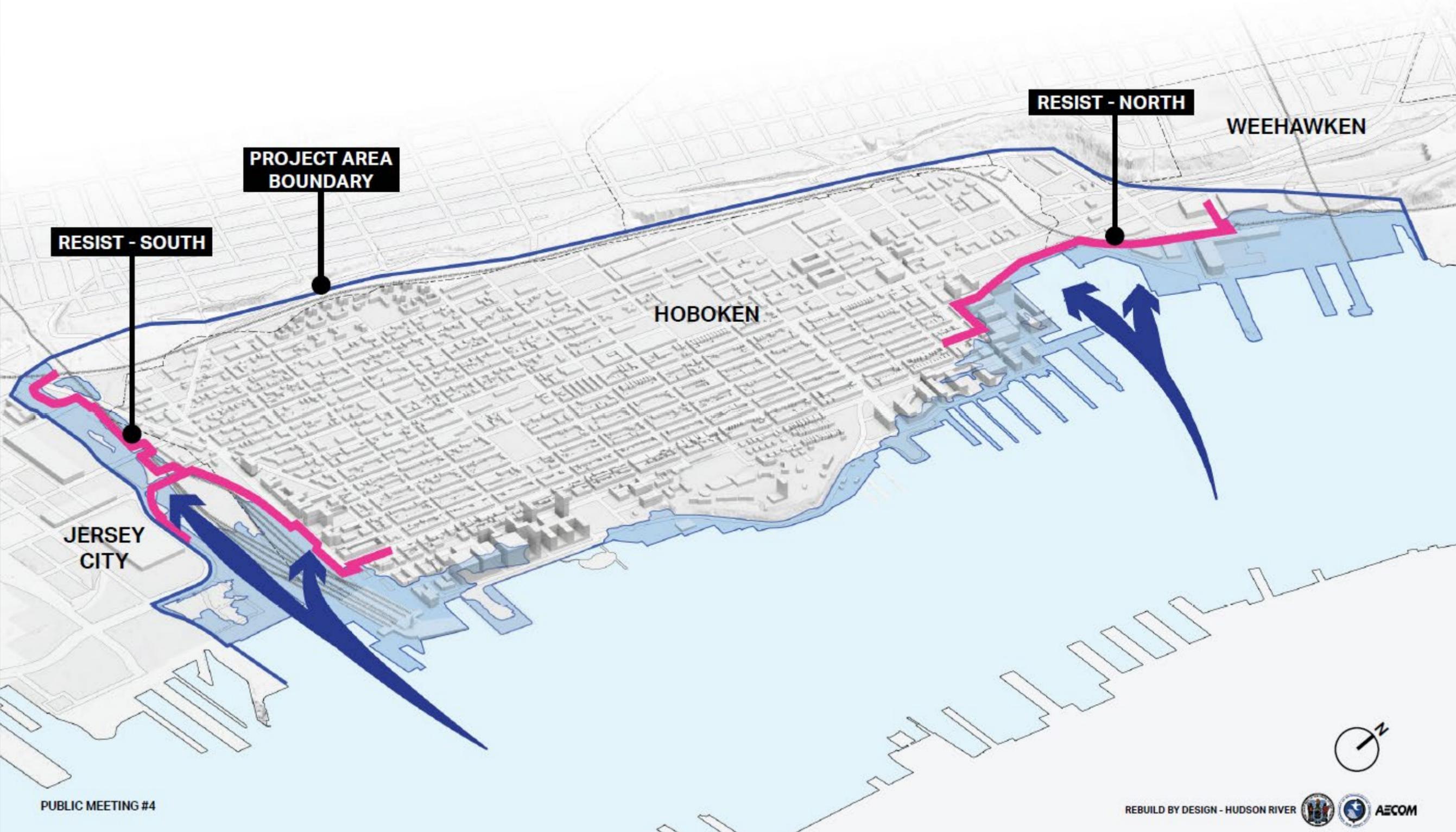


Sewer Separation Modification (SSM) Contract

- **The design is 100% complete**
- **Work includes waterproofing manhole covers and separating storm sewer lines from sanitary sewer lines**
- **This contract work is required in order for the flood risk reduction system to function properly**
- **The contract will be submitted to Treasury in January and competitively bid**
- **Timeline for Construction**
 - **Expected contract award date of July 2020**
 - **Construction phase of this contract expected to take 18 months**

Resist Structure Contract

RESIST ALIGNMENT



Project Schedule Update

- **Our project has 7 years to complete all phases through construction**
- **Must be completed by Sept 2022**
- **The project schedule and timeline have always been aggressive**

Ongoing Design Challenges

- **Hudson Bergen Light Rail (HBLR) final crossing location in Weehawken**
- **Subsurface investigation**
- **Easements**
- **Permitting**

Current Schedule Estimate

DESIGN
START

CURRENT
FEDERAL
DEADLINE

SEP 2017

SUM 2018

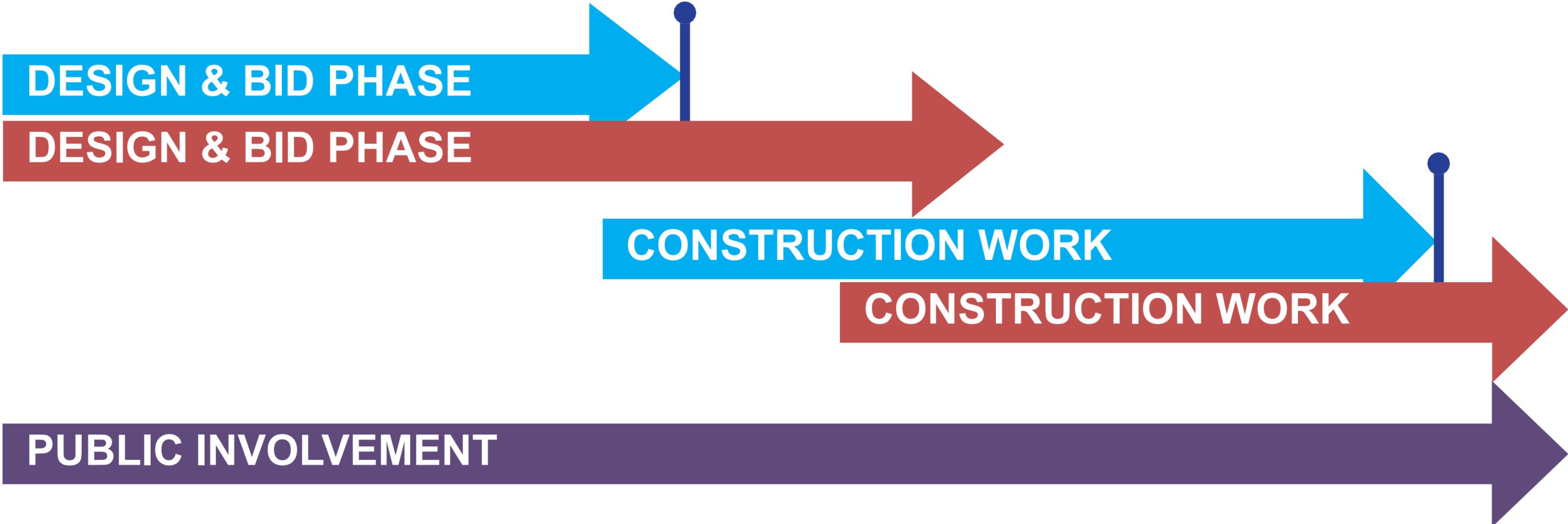
SUM 2019

WNT 2020

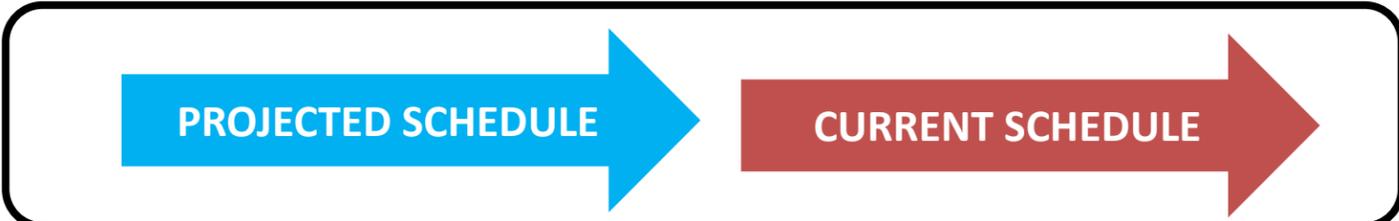
SUM 2020

WNT 2021

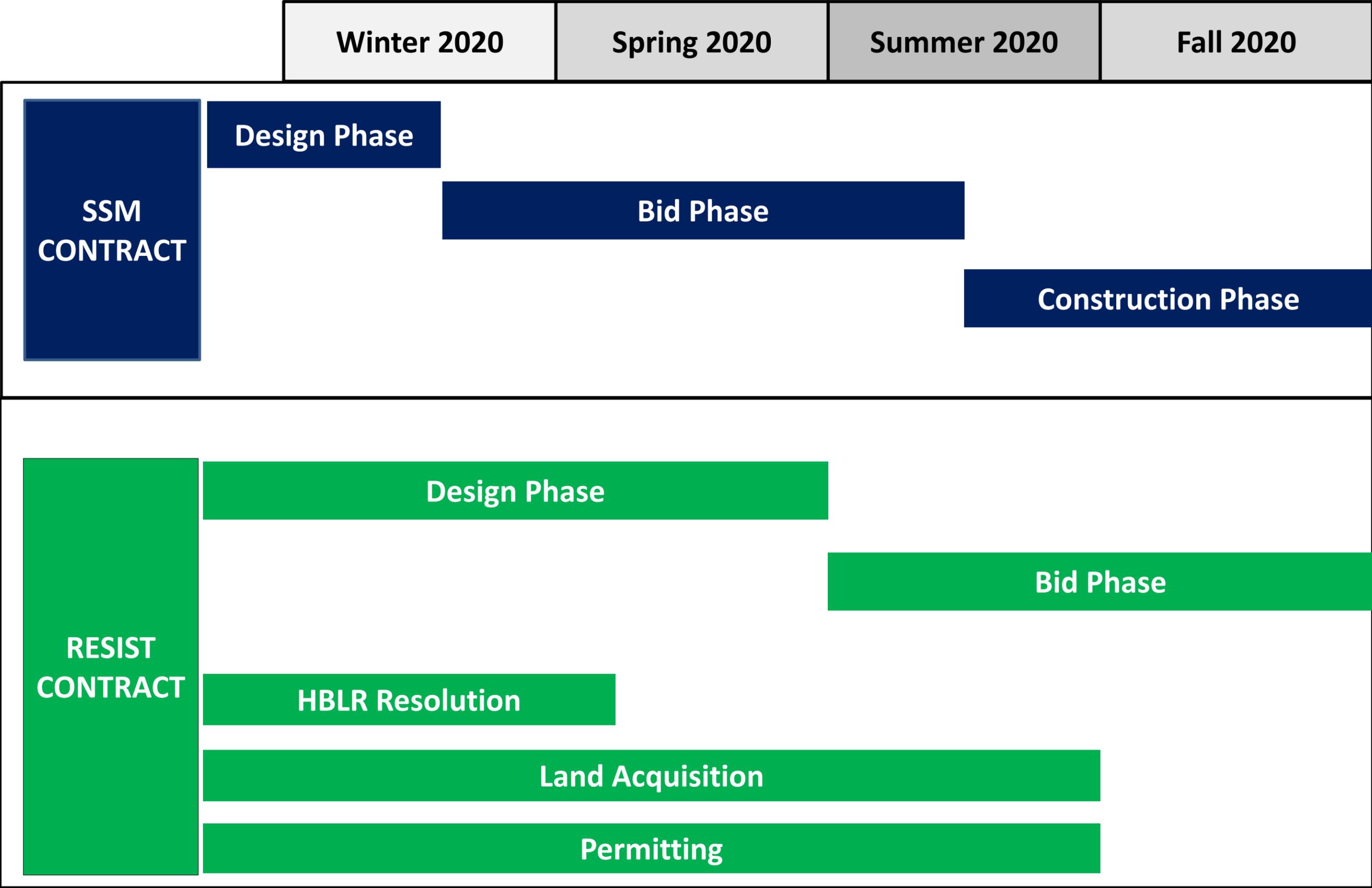
SEP 2022



LEGEND



Preliminary 2020 Schedule Estimate and next steps



END