



A STRONGER, MORE RESILIENT NEW YORK

ESCR Community Workshop Project Area 2

May 19, 2015



The City of New York

ESCR Community Workshop Project Area 2

May 19, 2015

1. Project Schedule

2. Progress of Technical Studies

3. March Community Engagement Findings

4. ESCR Project Goals

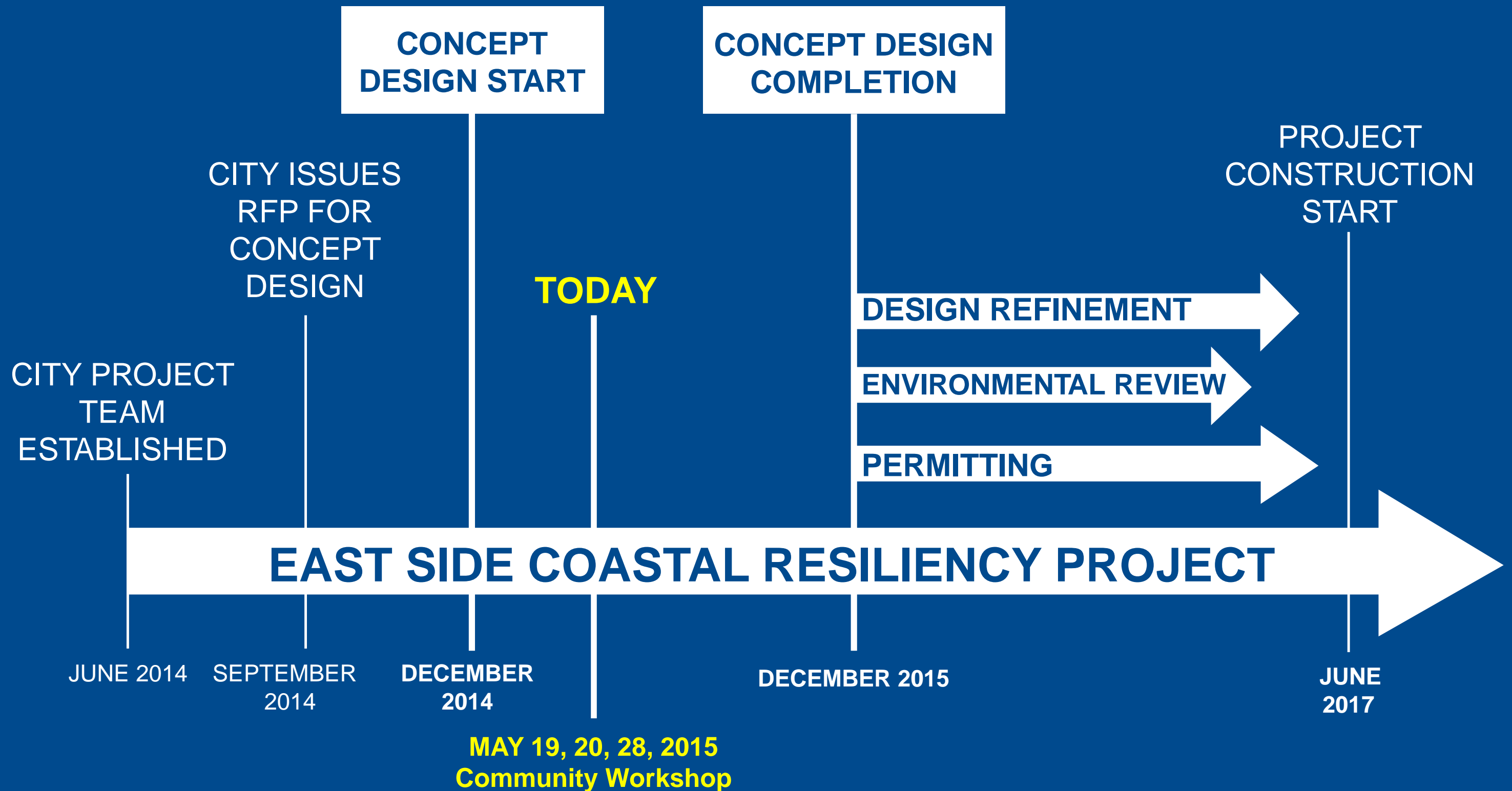
5. Project Area 2 Design Analysis and Studies

6. Workshop

PROJECT SCHEDULE

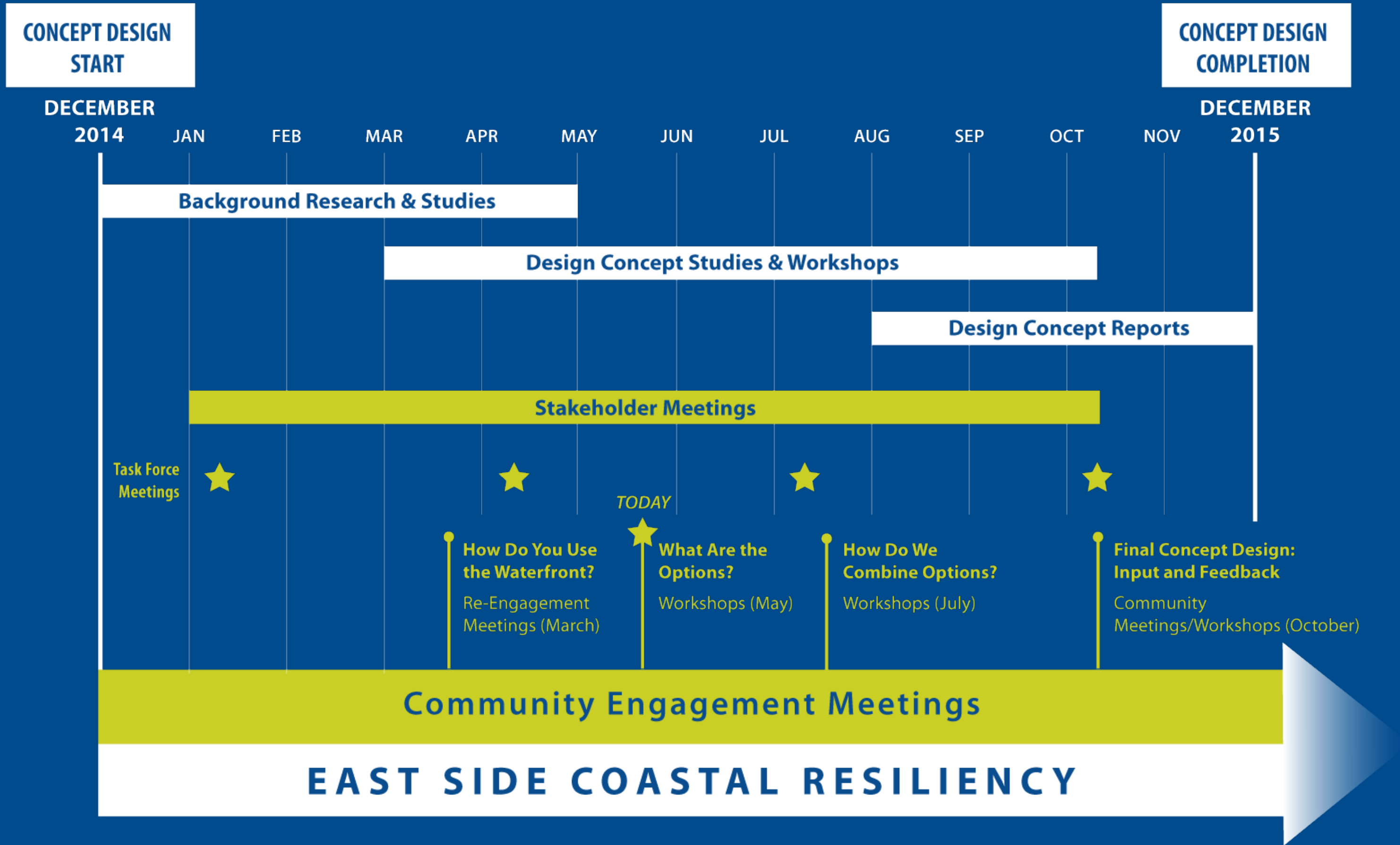
PROJECT TIMELINE

The ESCR Project has an ambitious timeline, with construction commencement anticipated in mid-2017.



COMMUNITY ENGAGEMENT TIMELINE

Where are we now?

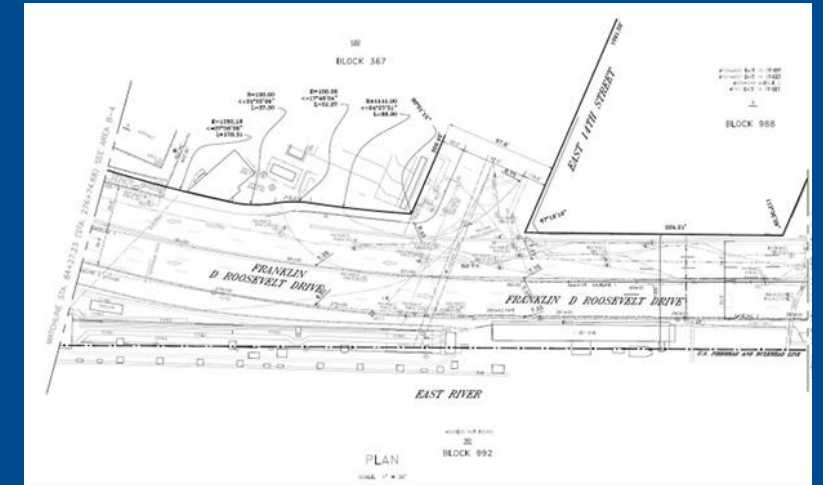


PROGRESS OF TECHNICAL STUDIES

EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

Surveying the Land

95%



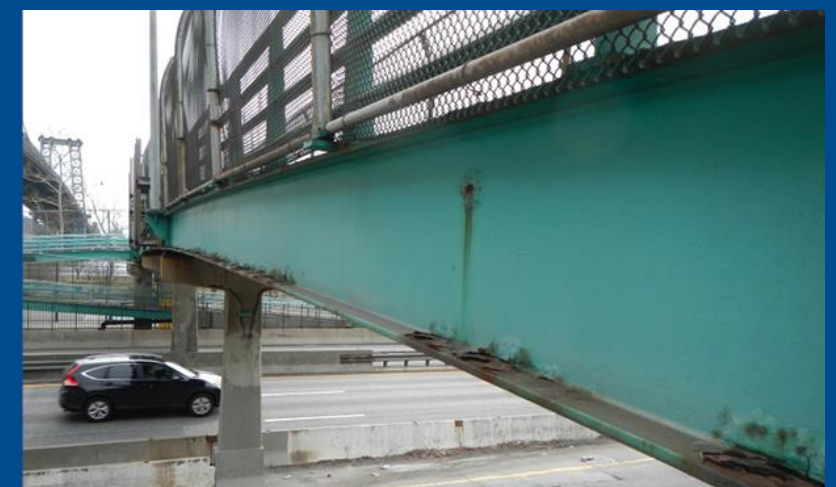
Inspecting Waterfront Structures

80%



Inspecting Bridges

70%



EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

Investigating Sewers

70%



Examining Flood Risk and Water Flow

60%



Testing the Soil

20%



EXISTING CONDITIONS STUDIES - PROGRESS TO DATE

**Studying Pedestrian and
Bicycle Usage**

10%



**Making an Inventory of
Existing Trees**

**0%
(Late May)**



**WHAT IS THE EAST SIDE COASTAL
RESILIENCY PROJECT?**

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



THE EAST SIDE

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



WHAT HAPPENED DURING SANDY?

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

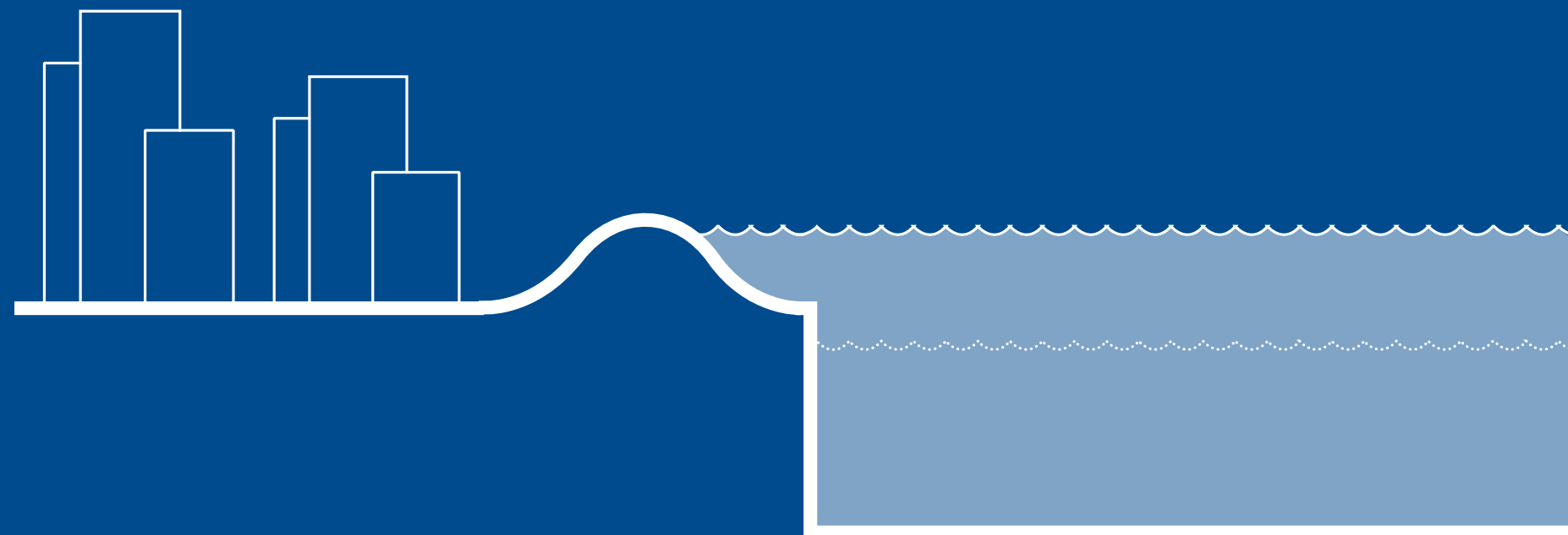
The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



BARRIER

WHAT IS THE EAST SIDE COASTAL RESILIENCY PROJECT?

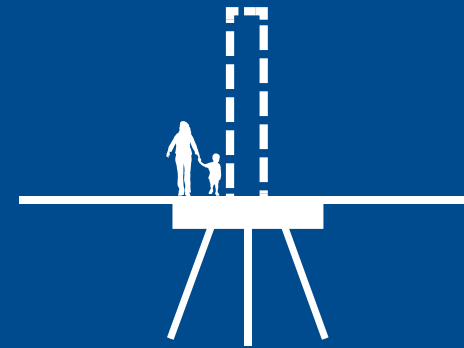
The ESCR Project is being designed to mitigate future climate change and flood risks on Manhattan's East Side.



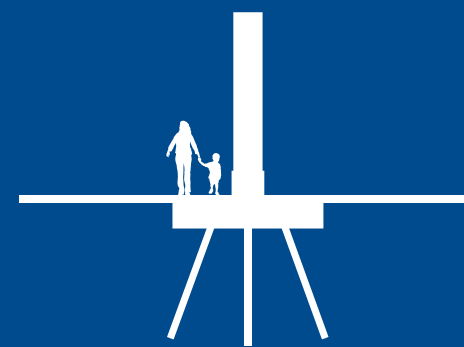
FLOOD MITIGATION

TYPES OF FLOOD MITIGATION

Options for resiliency have varying forms and levels of reliability: from wide and passive earthen levees to narrow and even removable flood walls and deployable elements.



DEPLOYABLE



FLOOD WALL



BERM / LEVEE

SOCIAL INFRASTRUCTURE

How can resiliency infrastructure double as places and spaces for people?



 PEOPLE



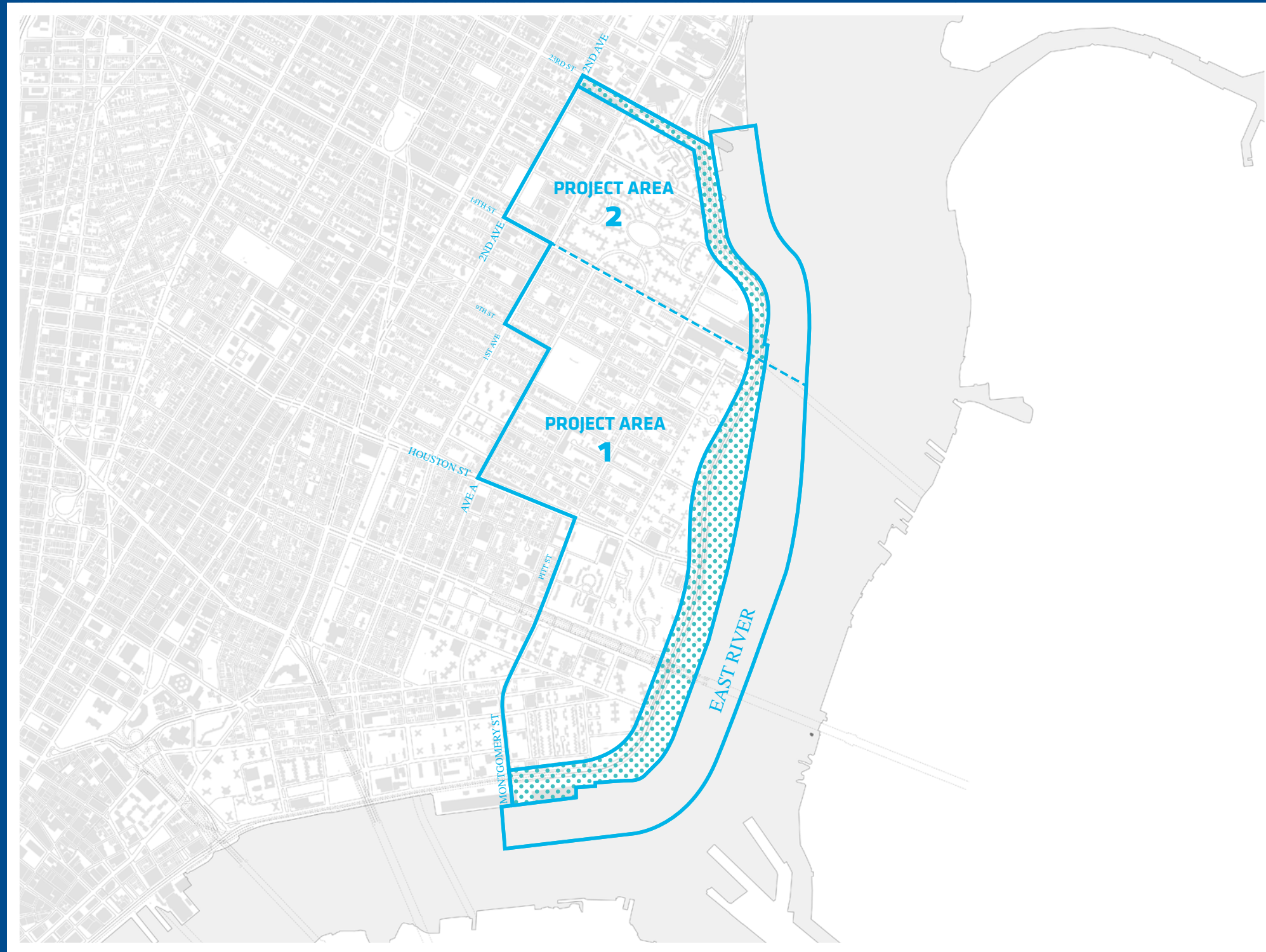
 RESILIENCY
INFRASTRUCTURE

SOCIAL INFRASTRUCTURE

How can resiliency infrastructure double as places and spaces for people?



ESCR SCOPE AND PROJECT AREA 2



AREA GOALS AND CHALLENGES:

- 1) PRESERVE SIGHTLINES AND CONNECTIONS TO THE WATERFRONT
- 2) ANTICIPATE FUTURE PROGRAMMING AND USES IN STUYVESANT COVE
- 3) STRENGTHEN NORTH-SOUTH ROUTES
- 4) ADDRESS SAFETY AND ACCESS CONCERNS

PROJECT AREA 2
DESIGN ANALYSIS AND STUDIES

PROJECT AREA 2

FLOODPLAIN EXTENT AND "SEGMENT" BREAKDOWN



SEGMENT A - CON-ED NARROWS

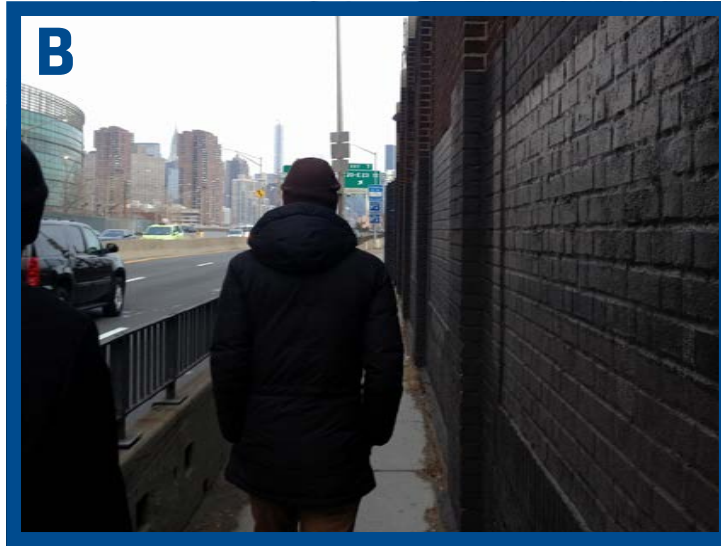


SEGMENT A - CON-ED NARROWS

EXISTING CONDITIONS



FDR



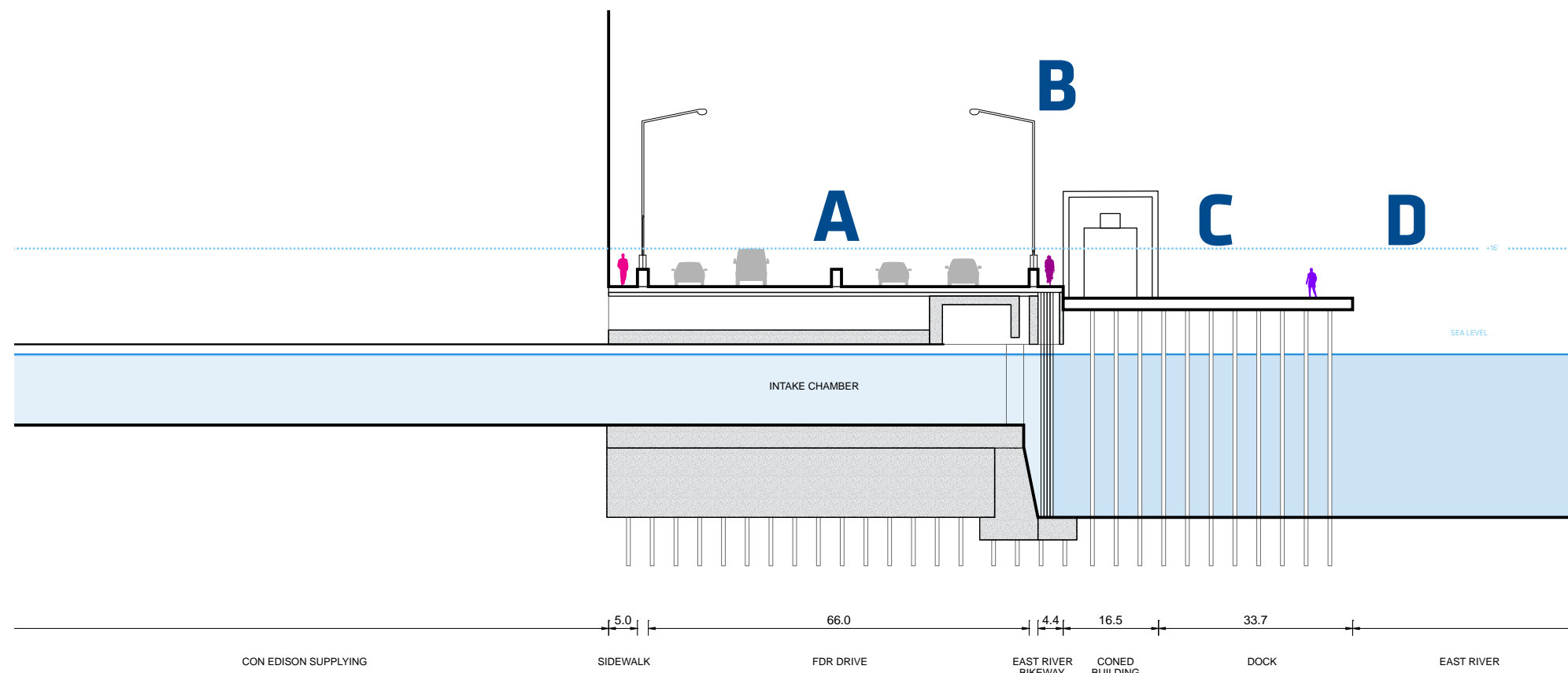
30" NARROWS ALONG
CON-ED HEAD HOUSE



CON-ED RECEIVING PIER



VIEWS ACROSS EAST RIVER



Cross Section at Con-Ed Pier

SEGMENT B - CAPT. PATRICK J. BROWN WALKWAY



SEGMENT B - CAPT. PATRICK J. BROWN WALKWAY

EXISTING CONDITIONS



CON-ED PARKING LOT



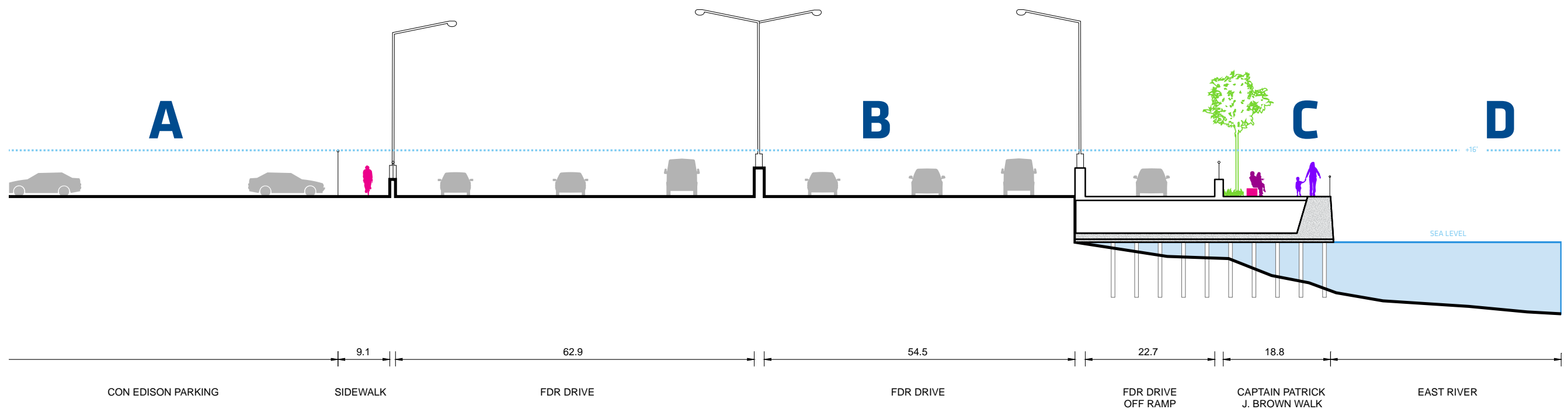
FDR DRIVE



CAPT. PATRICK J BROWN WALK



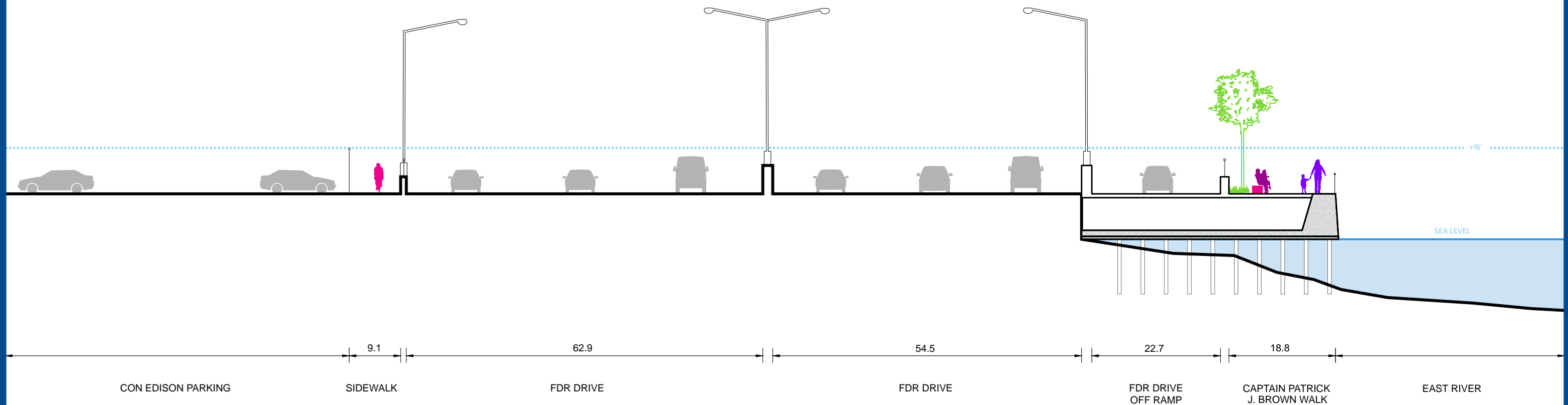
DISTANT VIEWS TO U.N. AND EAST RIVER



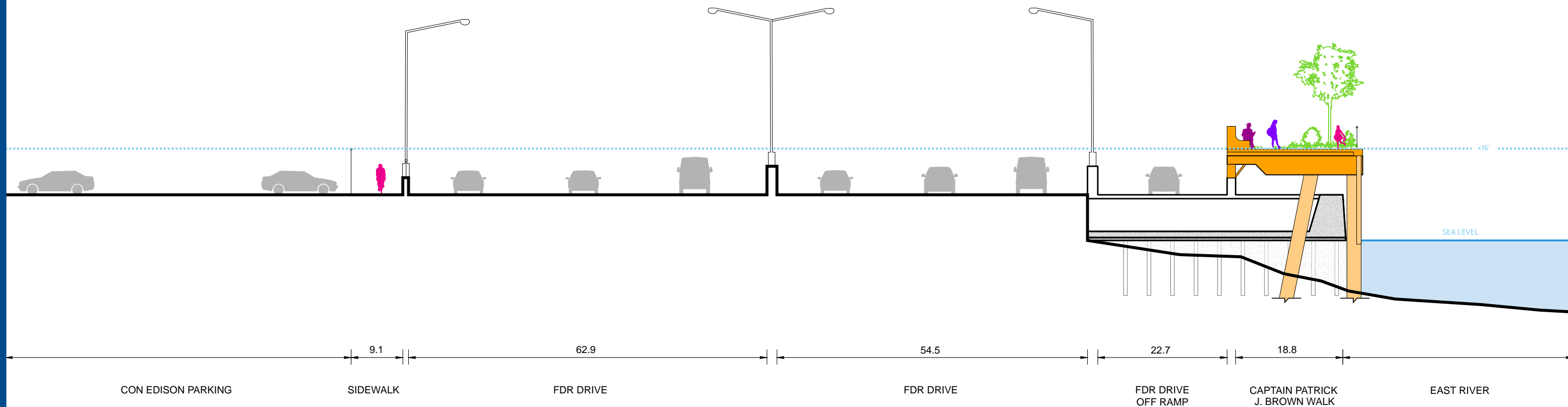
Cross-Section at Stuyvesant Cove

CAPT. PATRICK J. BROWN WALKWAY

EXISTING CONDITIONS



IDEA: PROTECTIVE PLATFORM CAPTAIN PATRICK J. BROWN WALK



SEGMENTS C+D - STUYVESANT COVE PARK AND FDR VIADUCT



SEGMENTS C+D - STUYVESANT COVE PARK AND FDR VIADUCT

EXISTING CONDITIONS

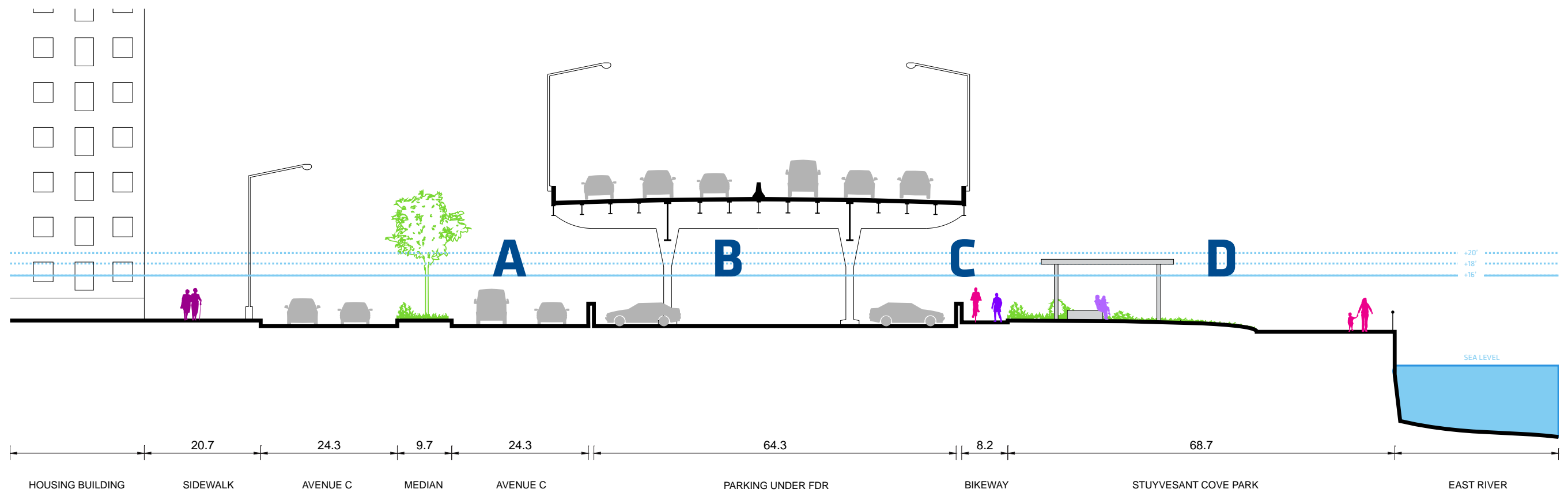


AVENUE C

UNDER-FDR

BIKE PATH

STUYVESANT COVE PARK

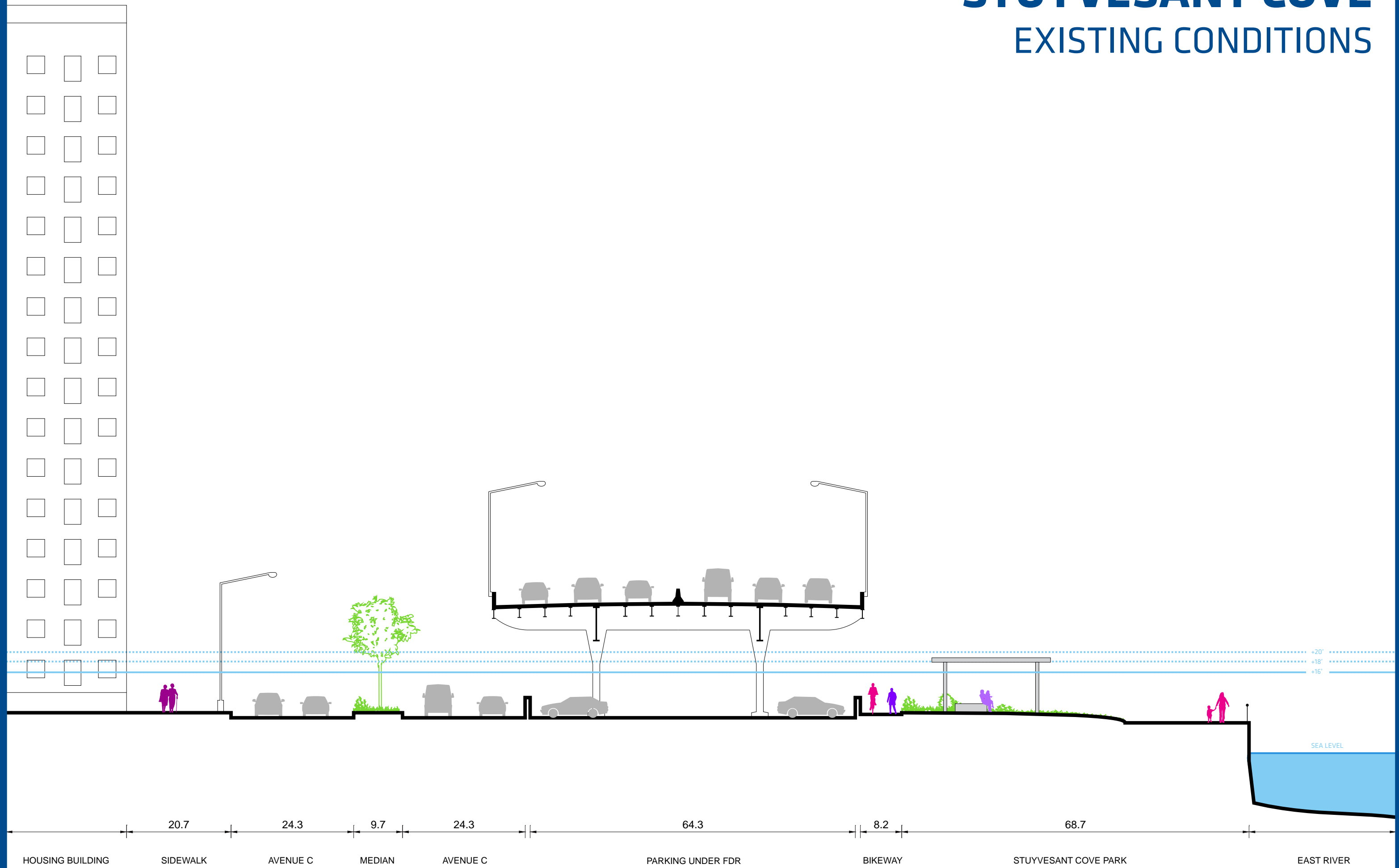


Cross-Section at Stuyvesant Cove

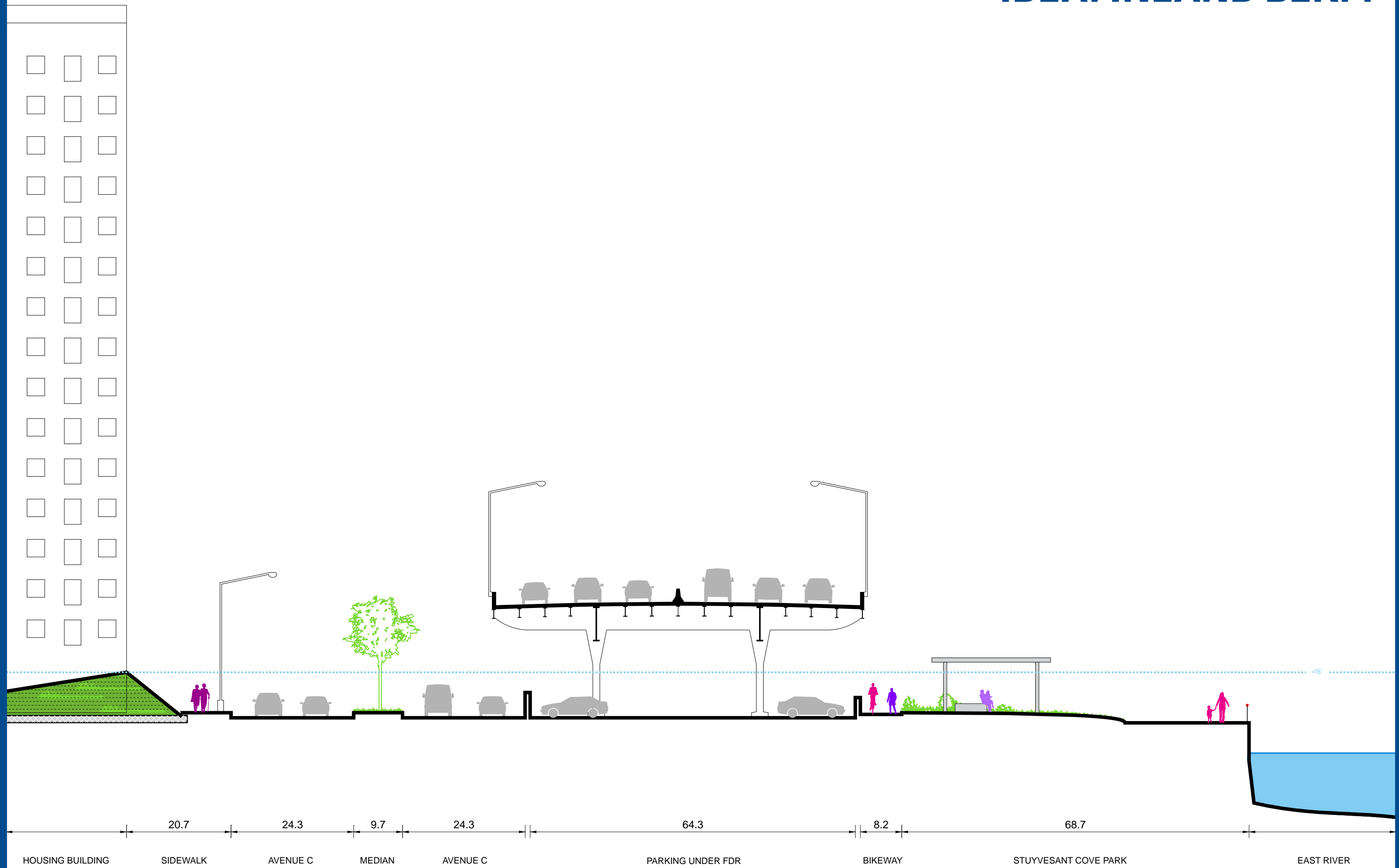
ALIGNMENT STUDIES
STUYVESANT COVE

STUYVESANT COVE

EXISTING CONDITIONS

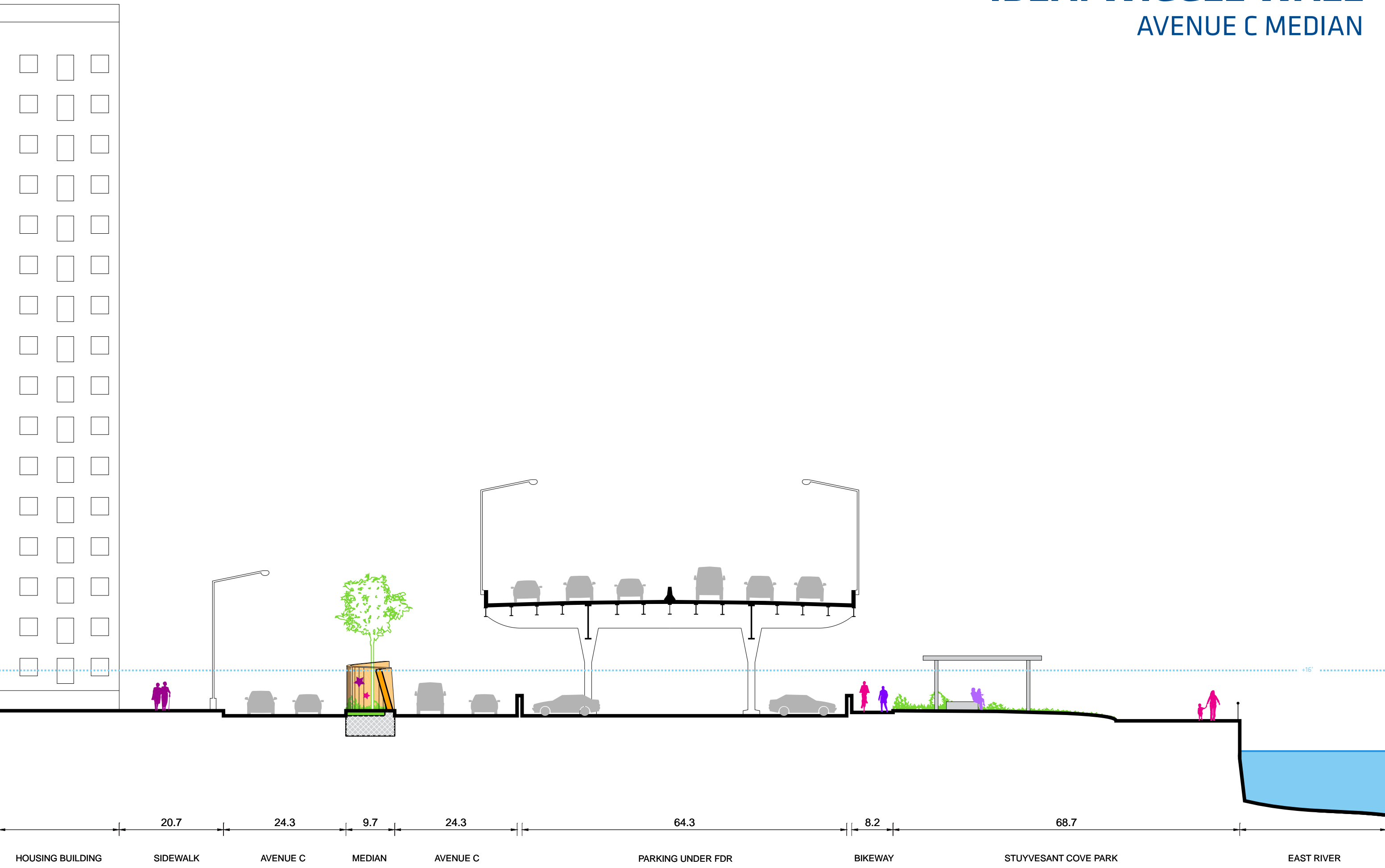


IDEA: INLAND BERM



IDEA: WIGGLE WALL

AVENUE C MEDIAN



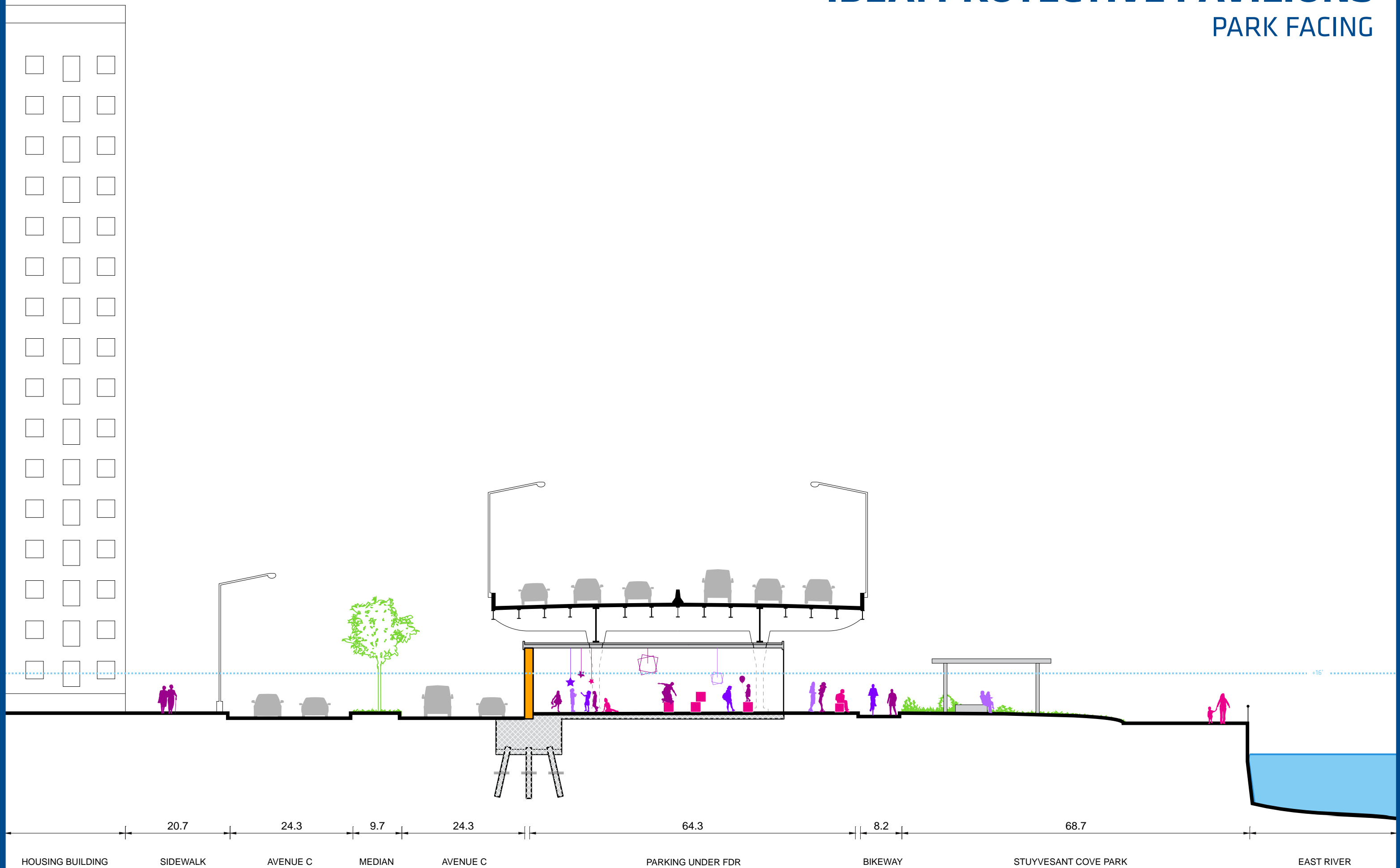
IDEA: WIGGLE WALL

AVENUE C MEDIAN



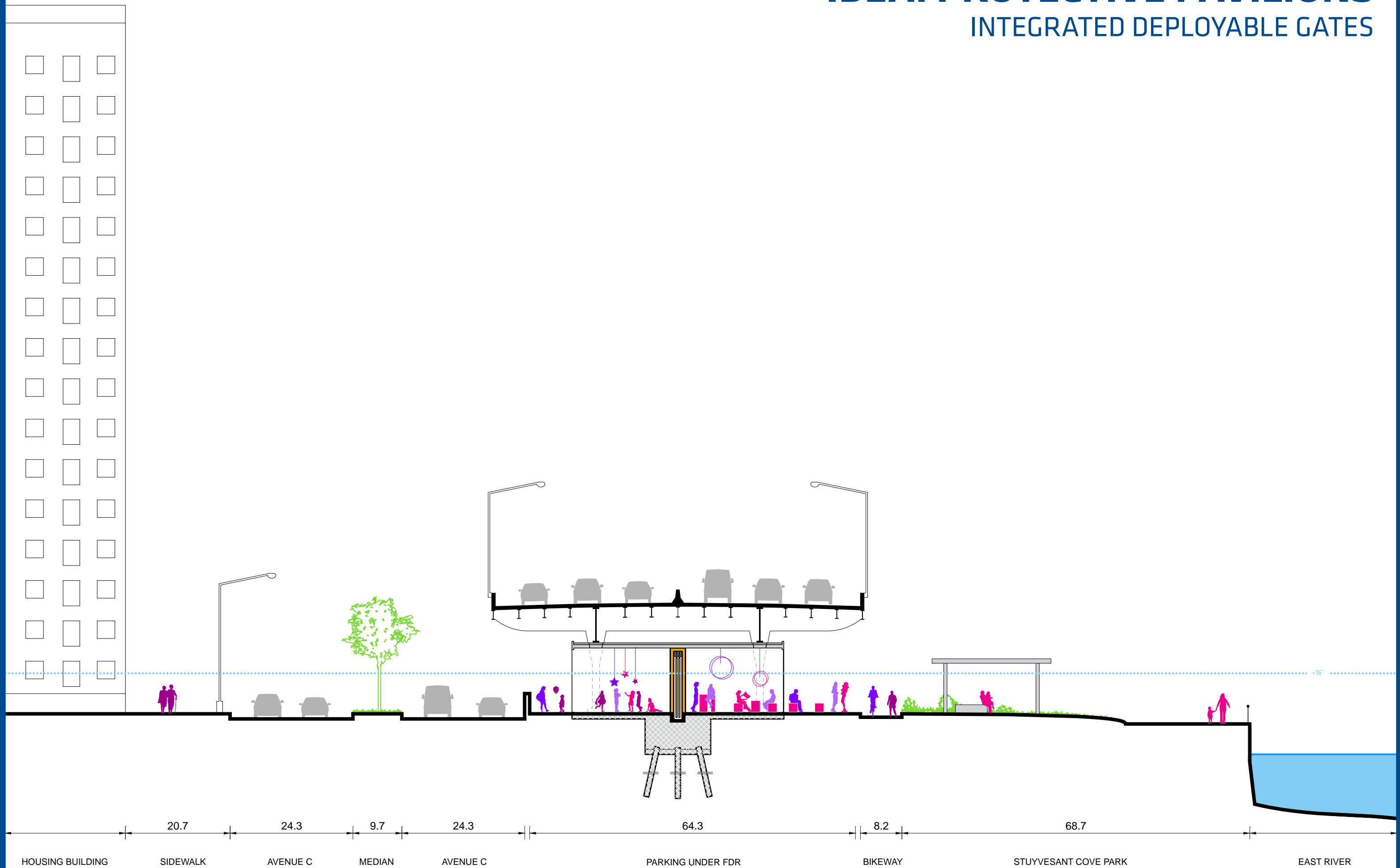
IDEA: PROTECTIVE PAVILIONS

PARK FACING



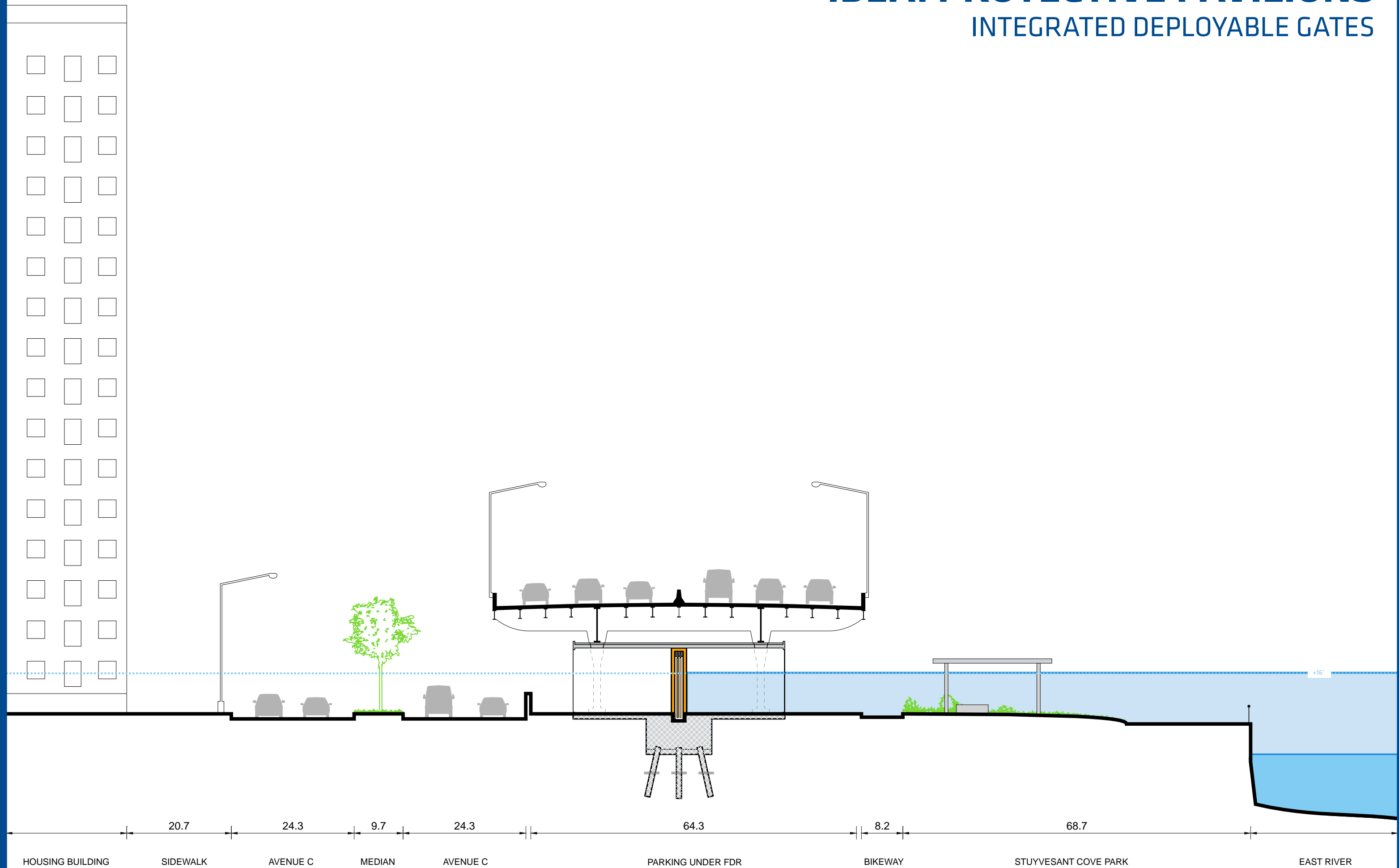
IDEA: PROTECTIVE PAVILIONS

INTEGRATED DEPLOYABLE GATES



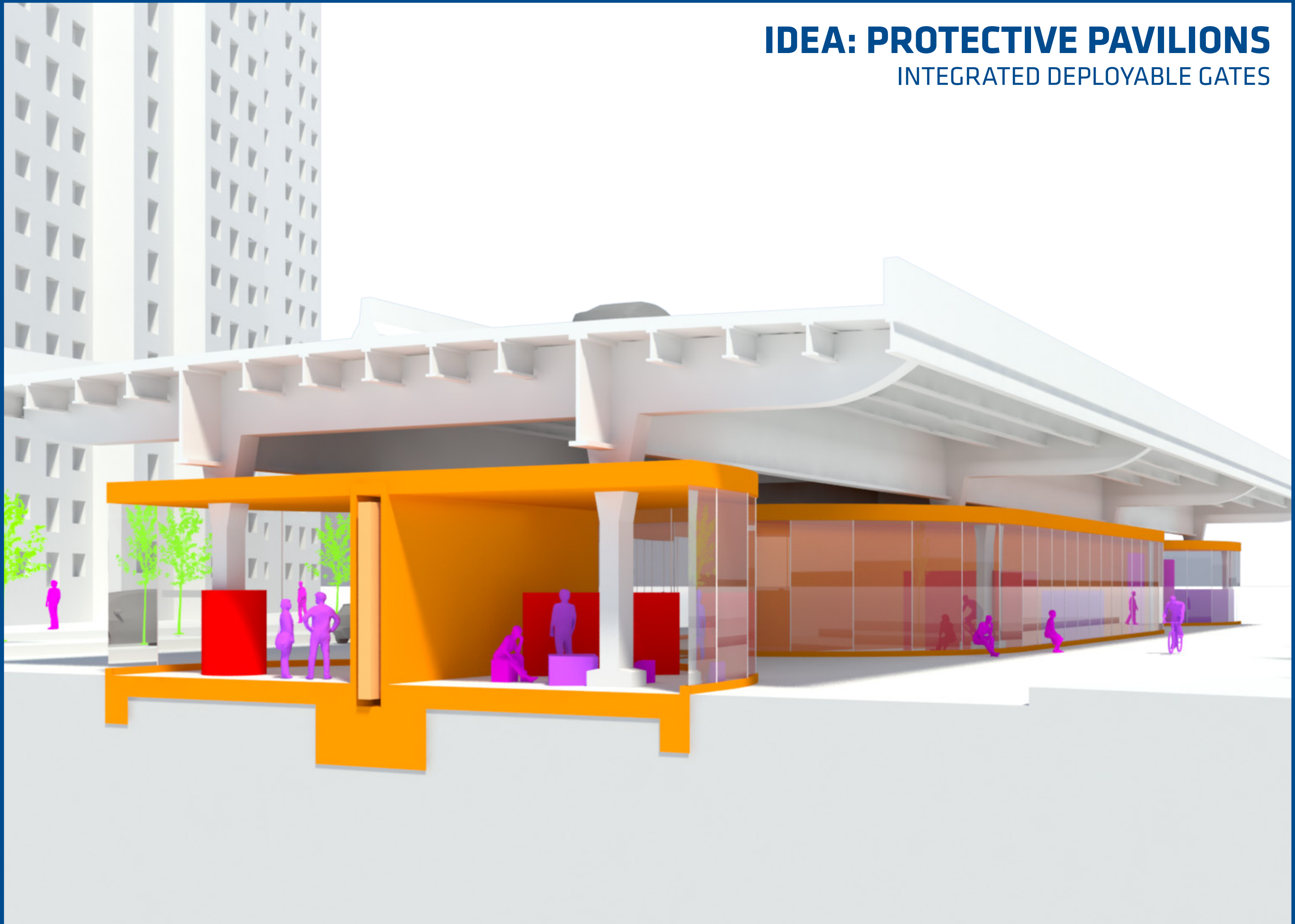
IDEA: PROTECTIVE PAVILIONS

INTEGRATED DEPLOYABLE GATES



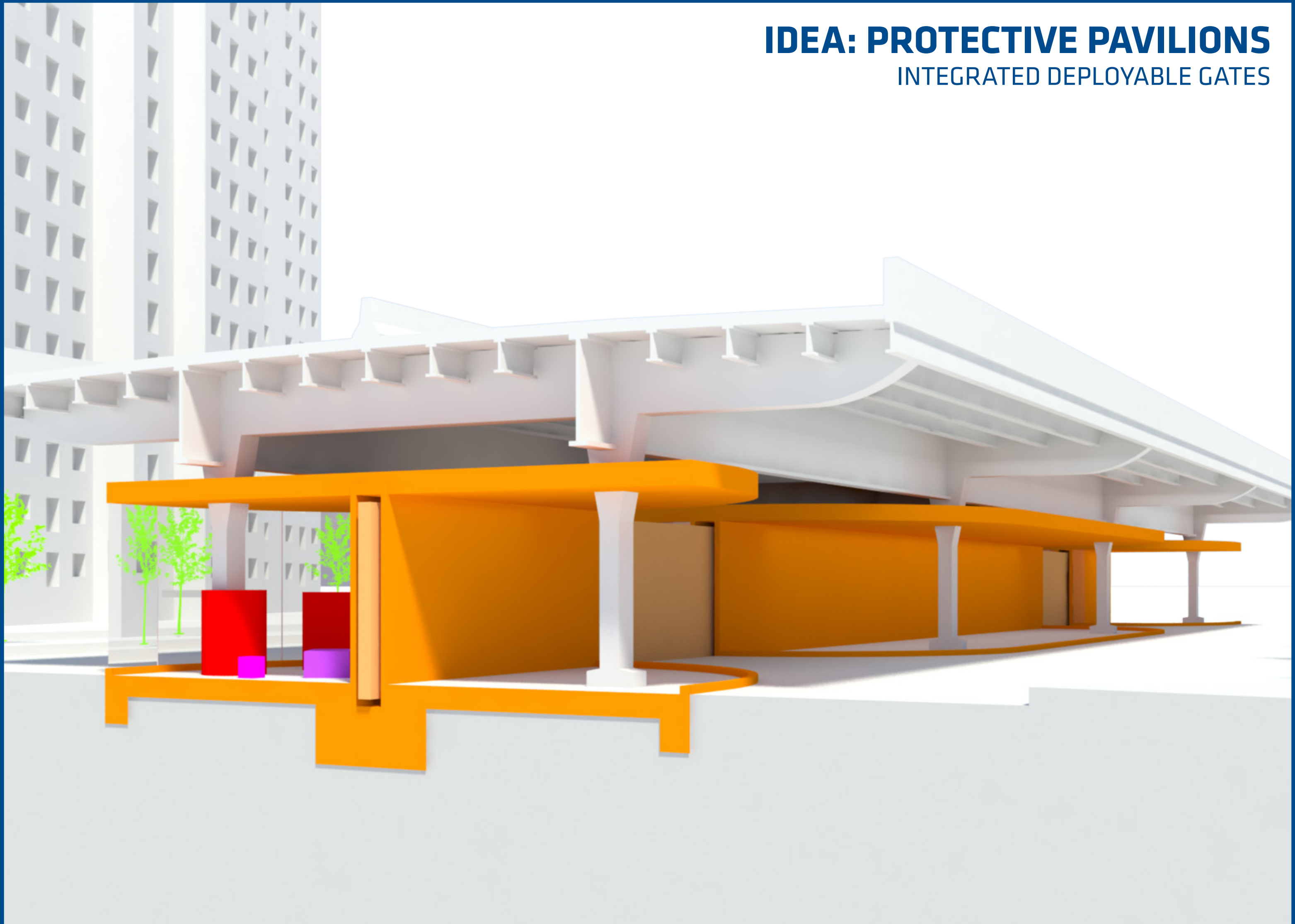
IDEA: PROTECTIVE PAVILIONS

INTEGRATED DEPLOYABLE GATES



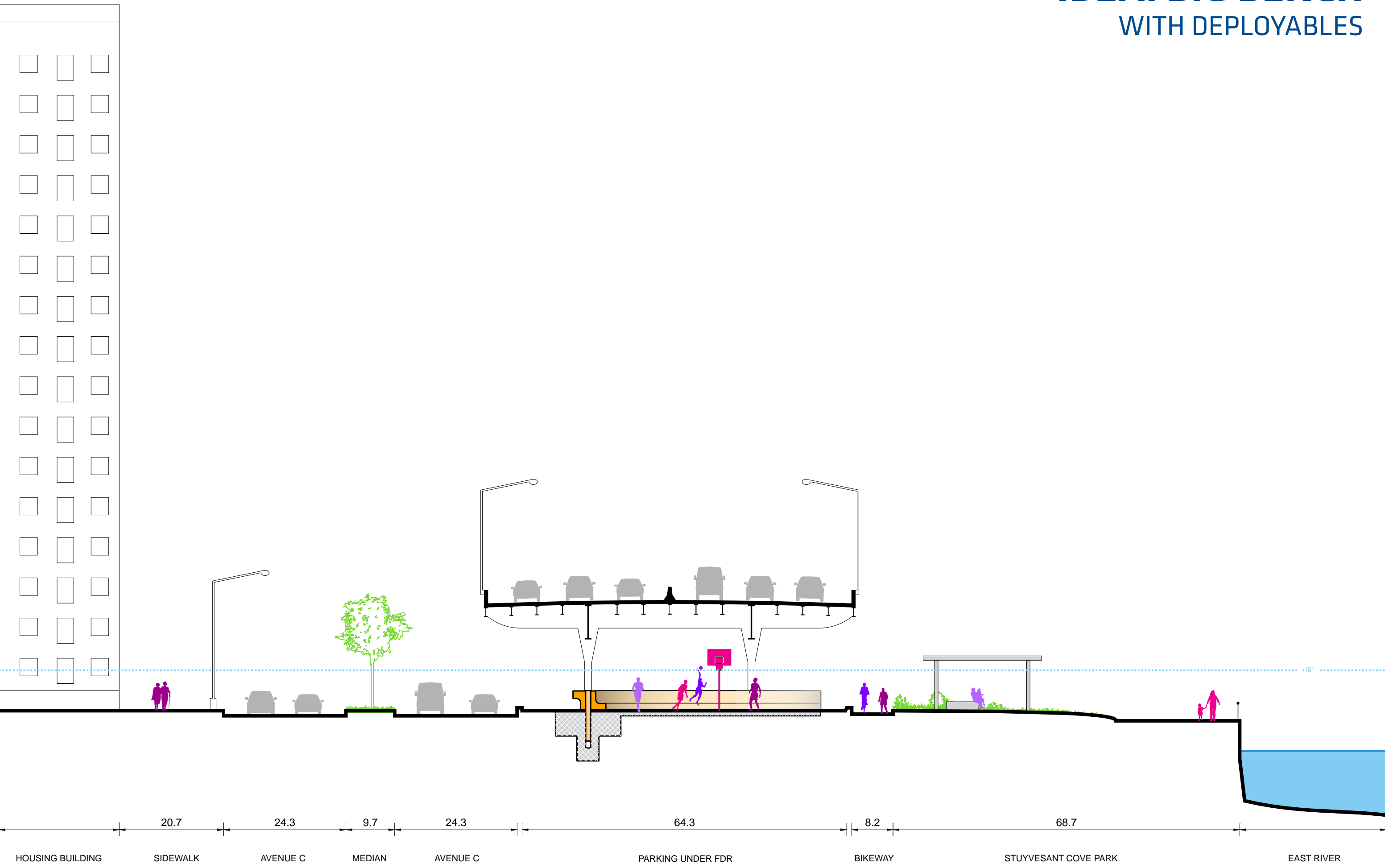
IDEA: PROTECTIVE PAVILIONS

INTEGRATED DEPLOYABLE GATES



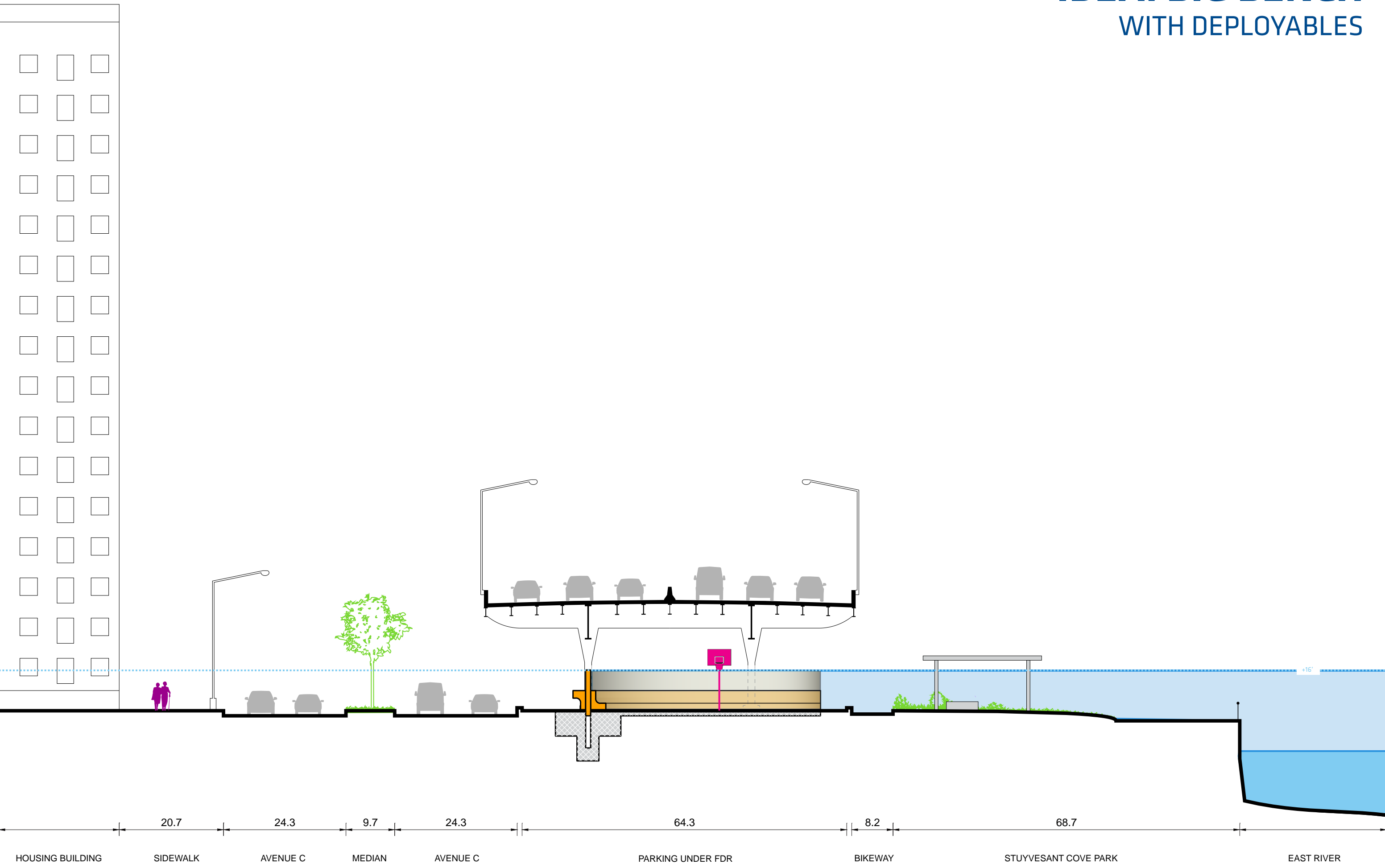
IDEA: BIG BENCH

WITH DEPLOYABLES



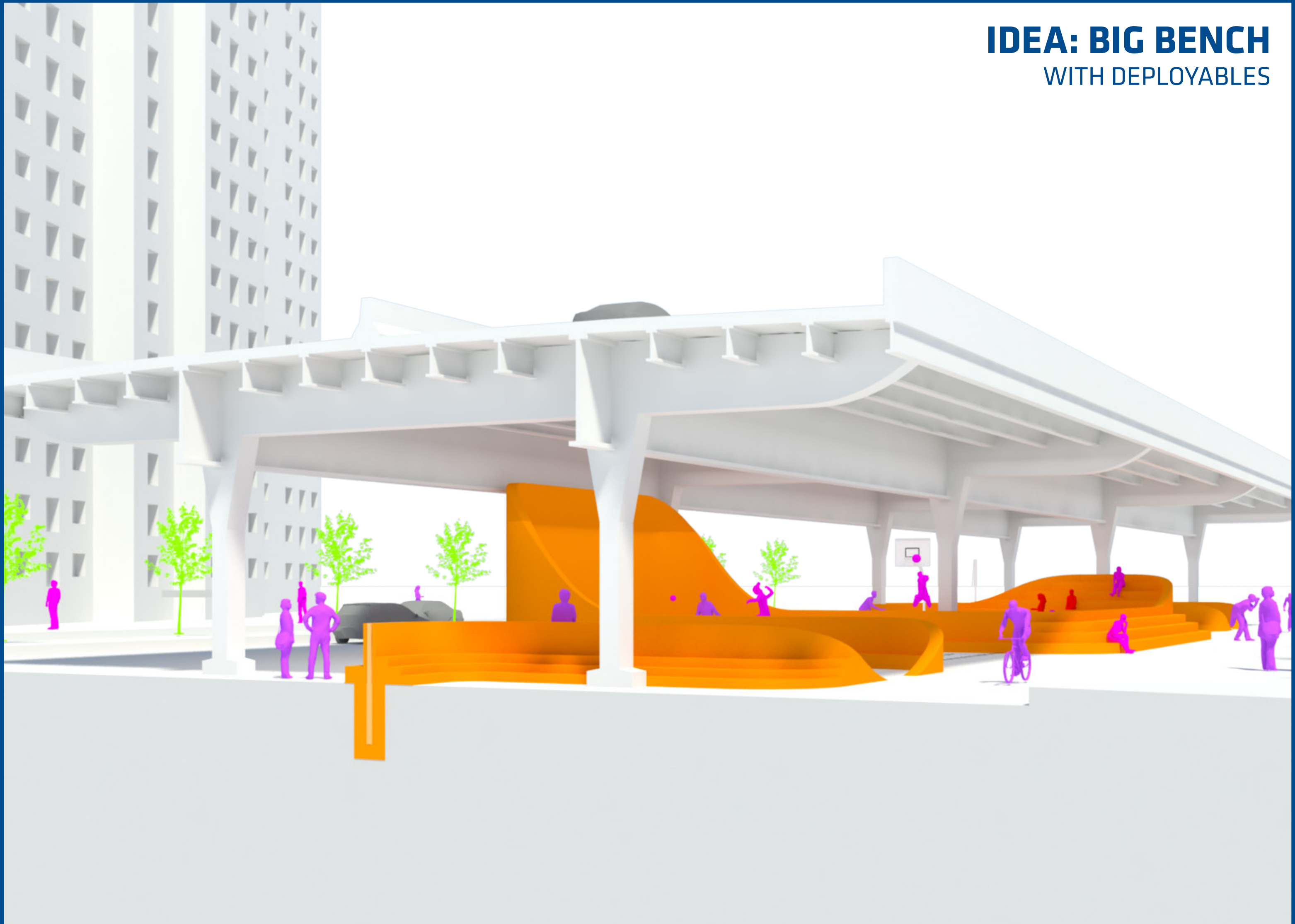
IDEA: BIG BENCH

WITH DEPLOYABLES



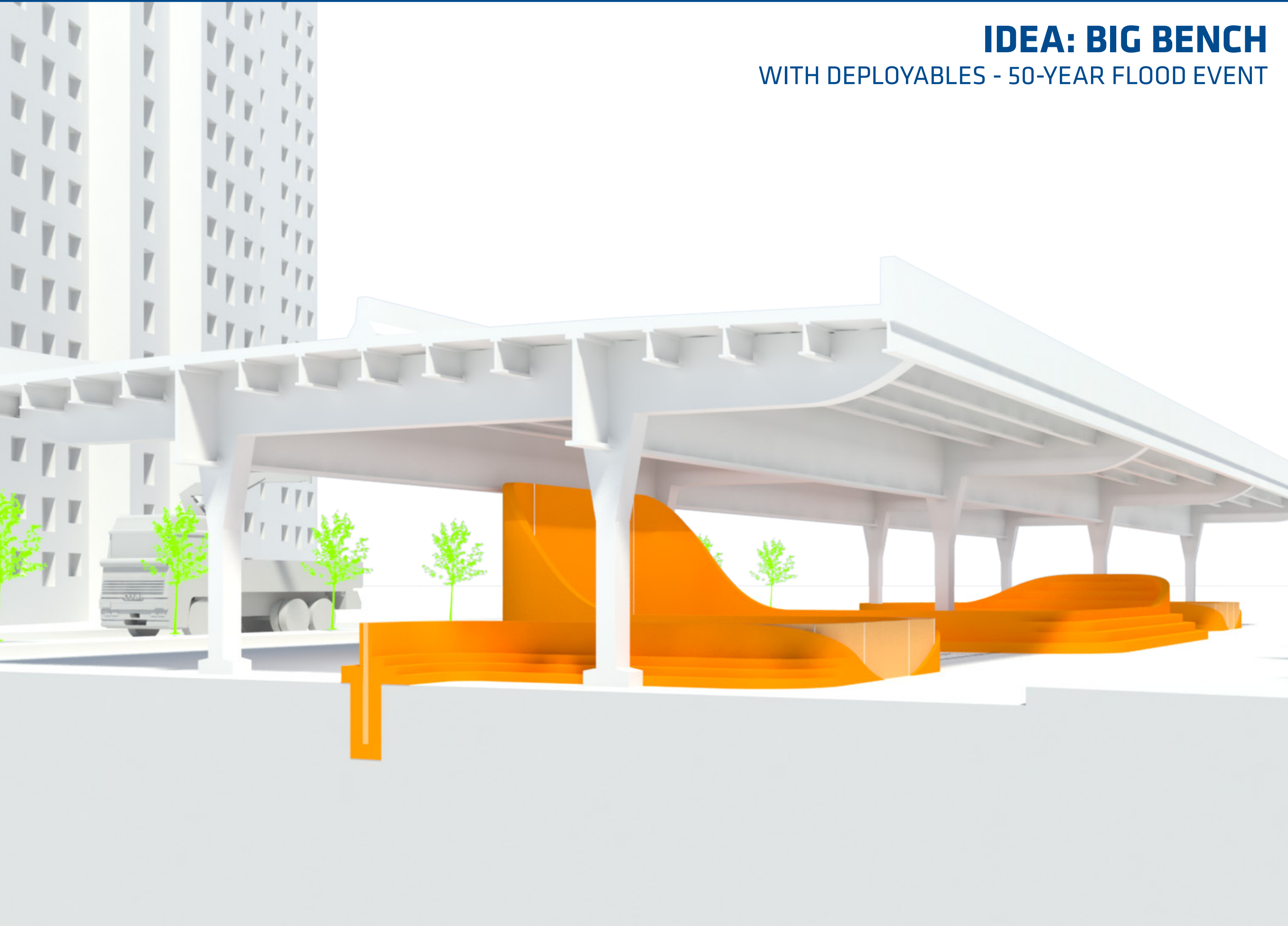
IDEA: BIG BENCH

WITH DEPLOYABLES



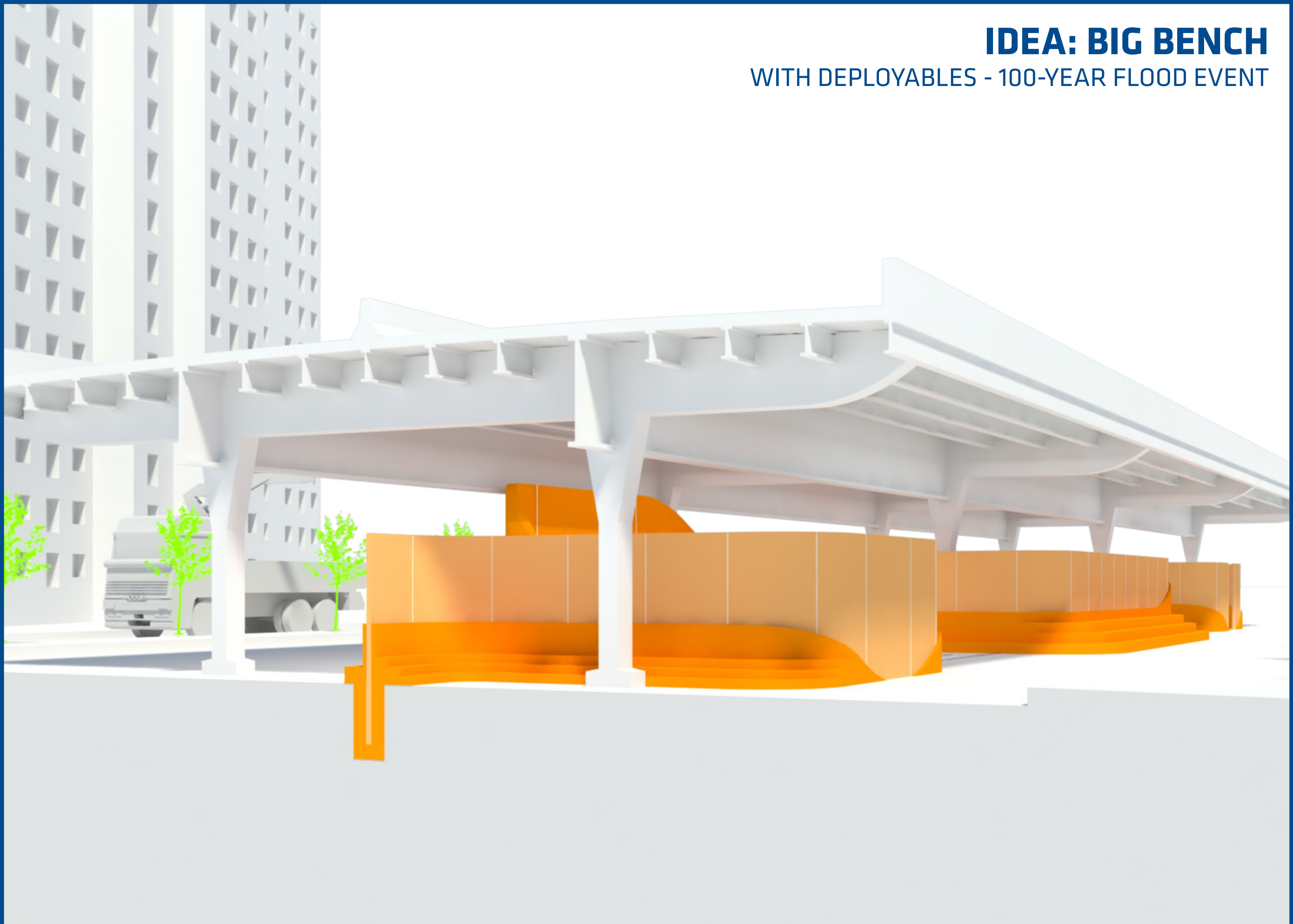
IDEA: BIG BENCH

WITH DEPLOYABLES - 50-YEAR FLOOD EVENT



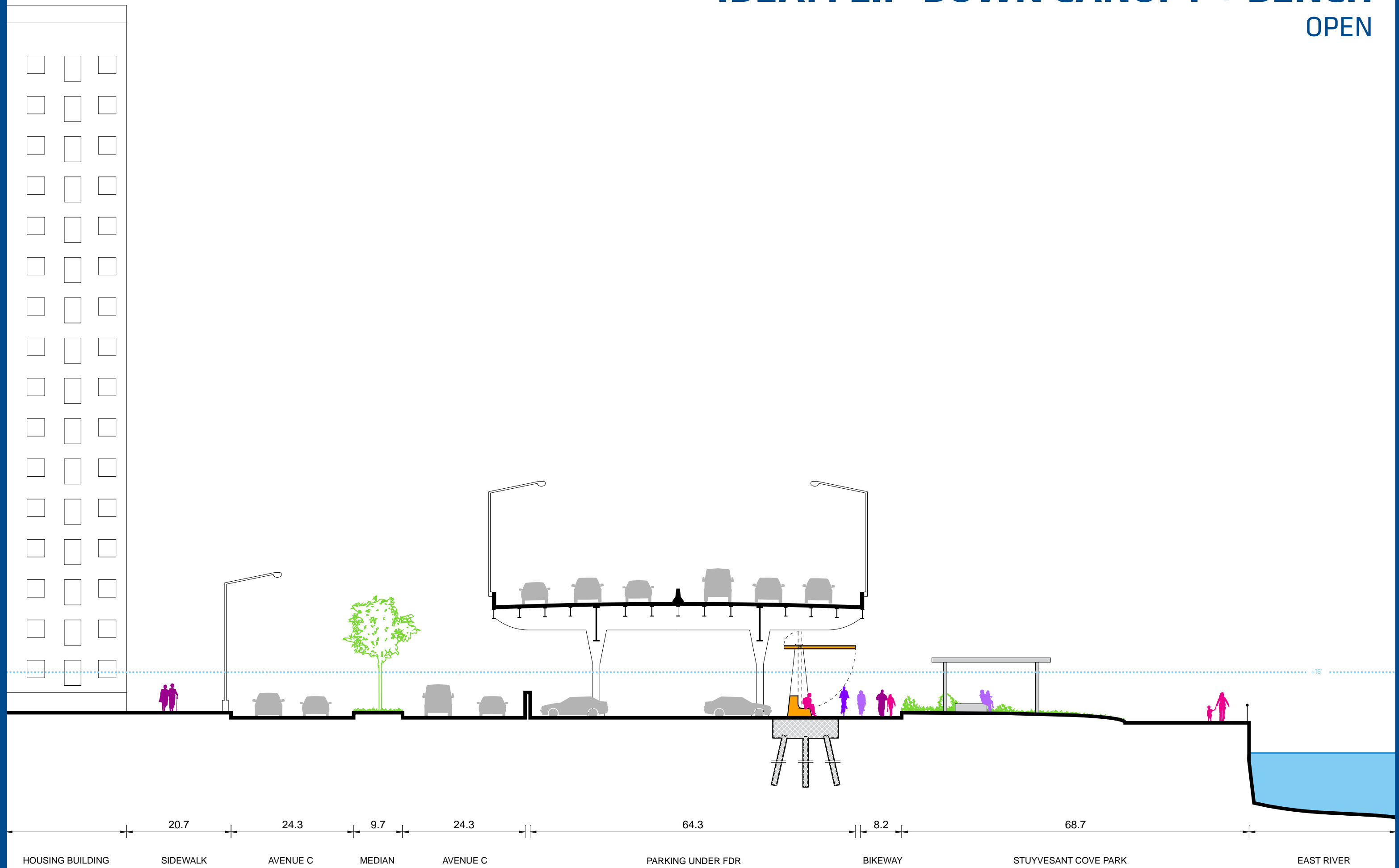
IDEA: BIG BENCH

WITH DEPLOYABLES - 100-YEAR FLOOD EVENT



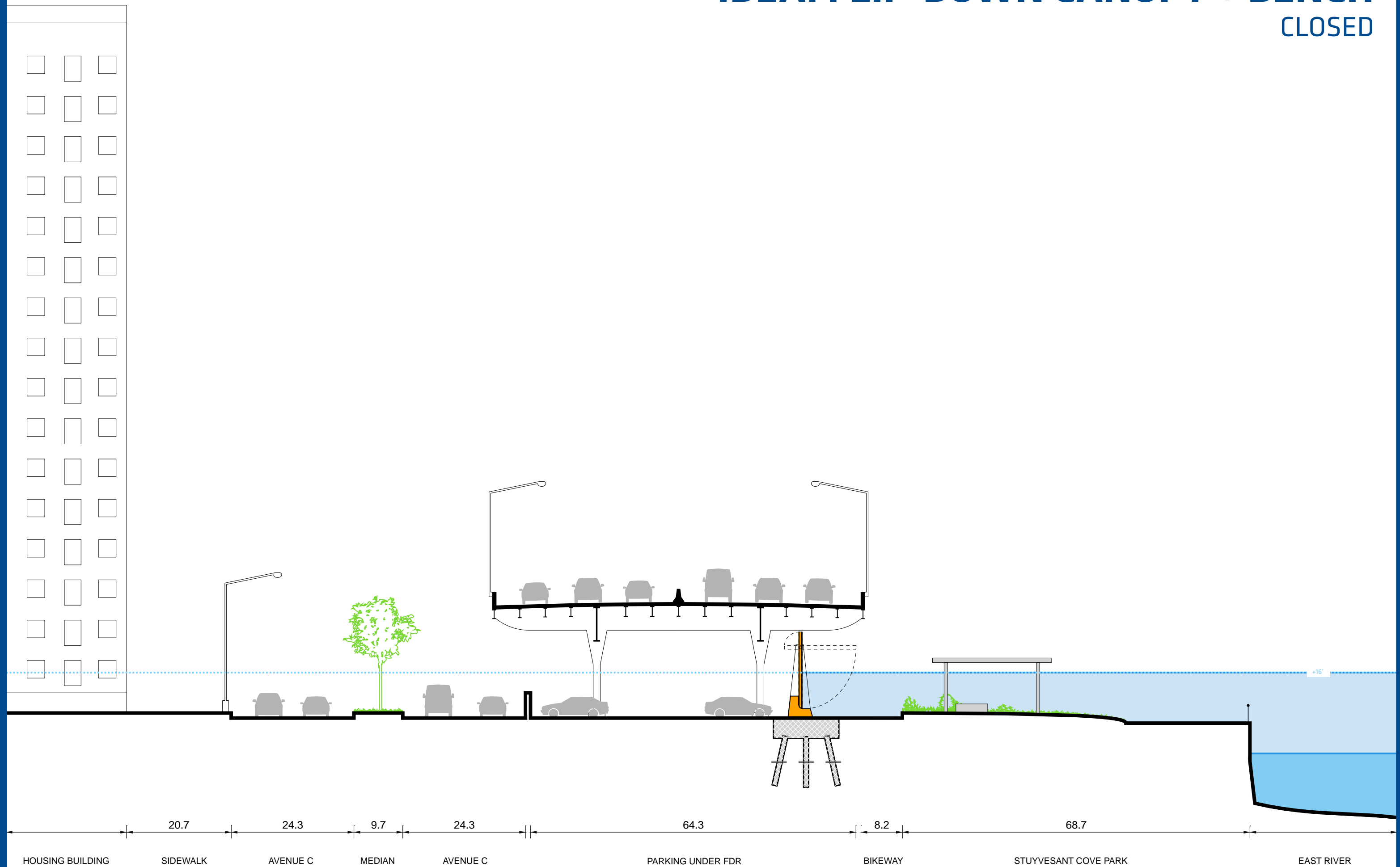
IDEA: FLIP-DOWN CANOPY + BENCH

OPEN



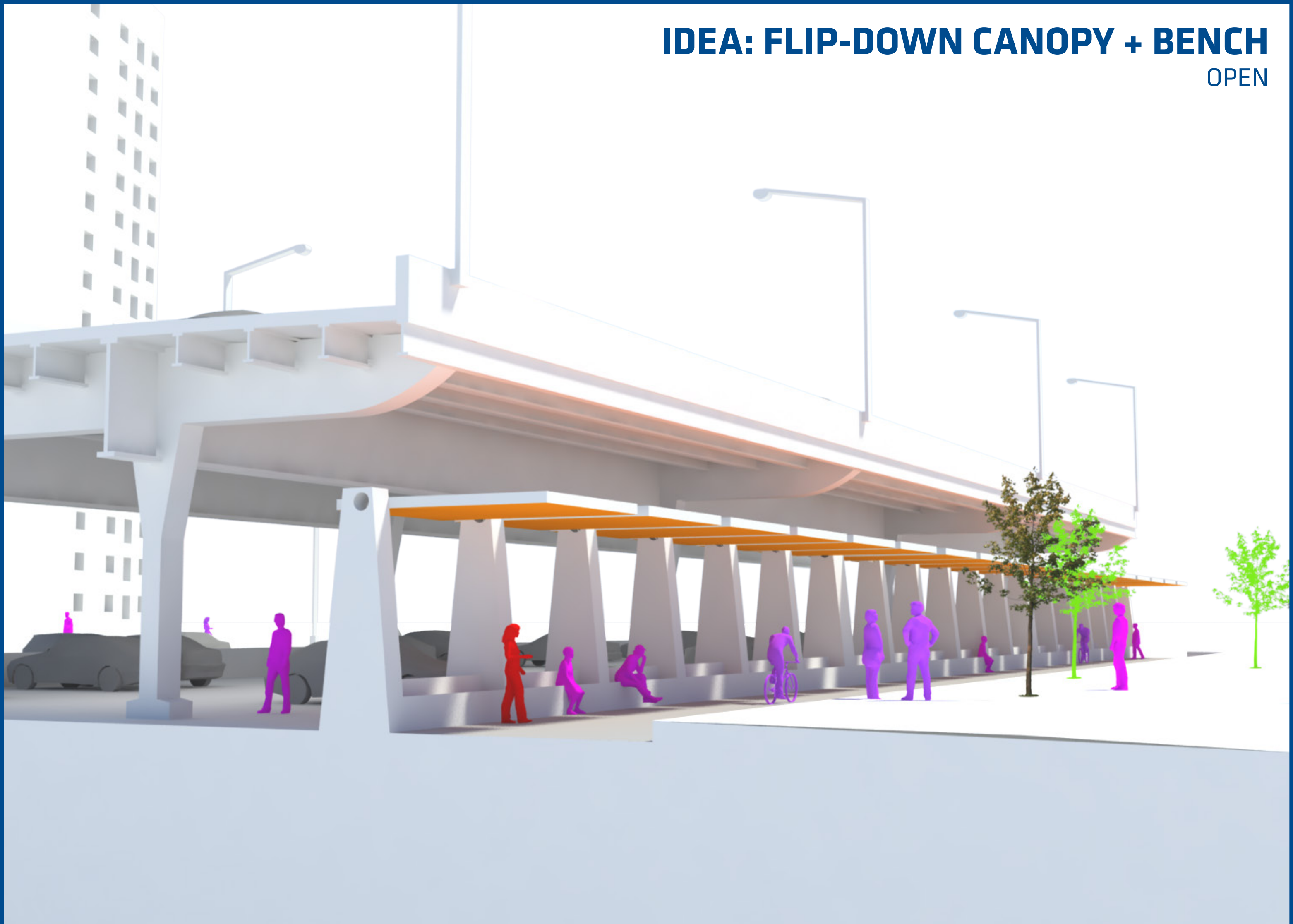
IDEA: FLIP-DOWN CANOPY + BENCH

CLOSED



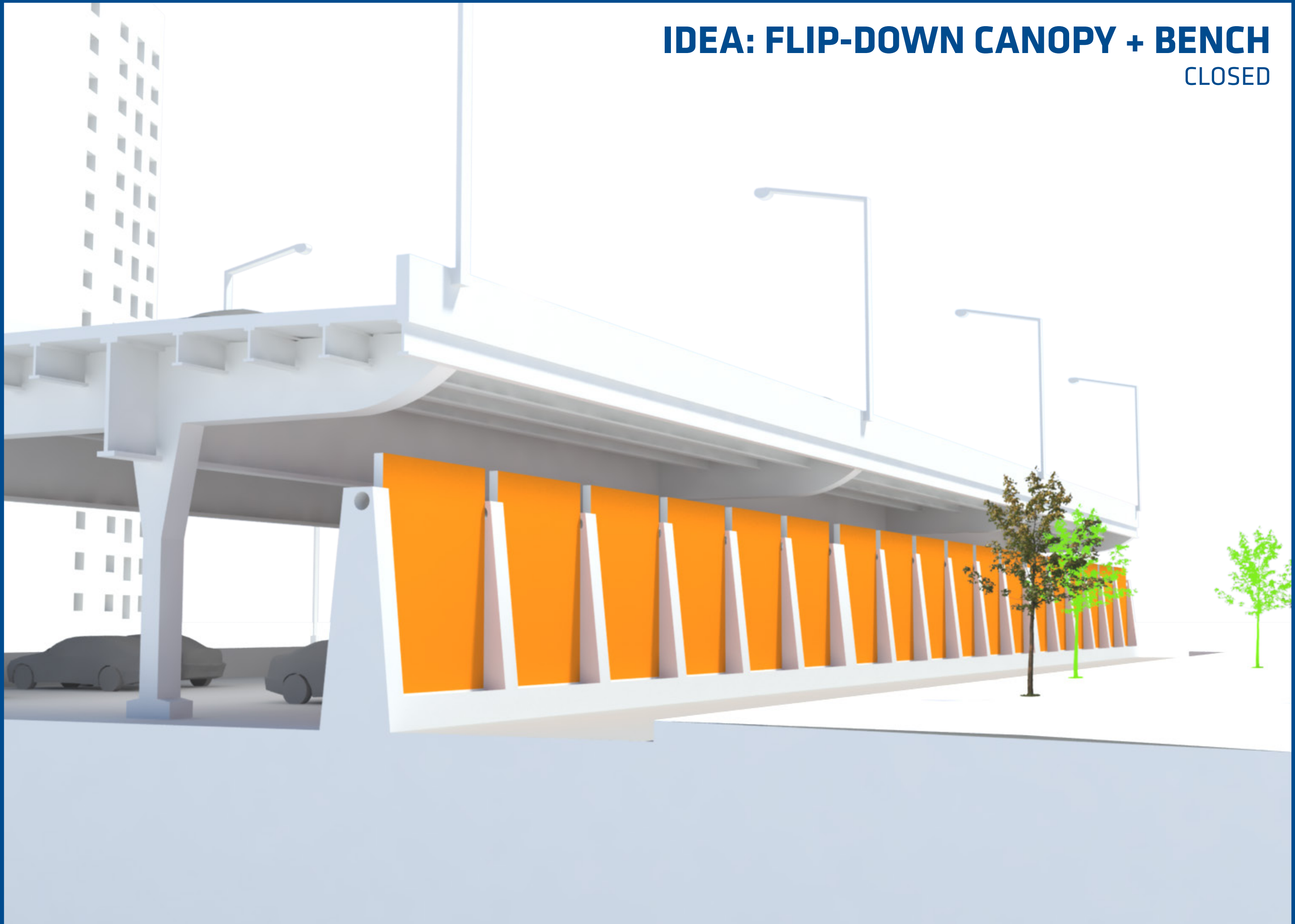
IDEA: FLIP-DOWN CANOPY + BENCH

OPEN



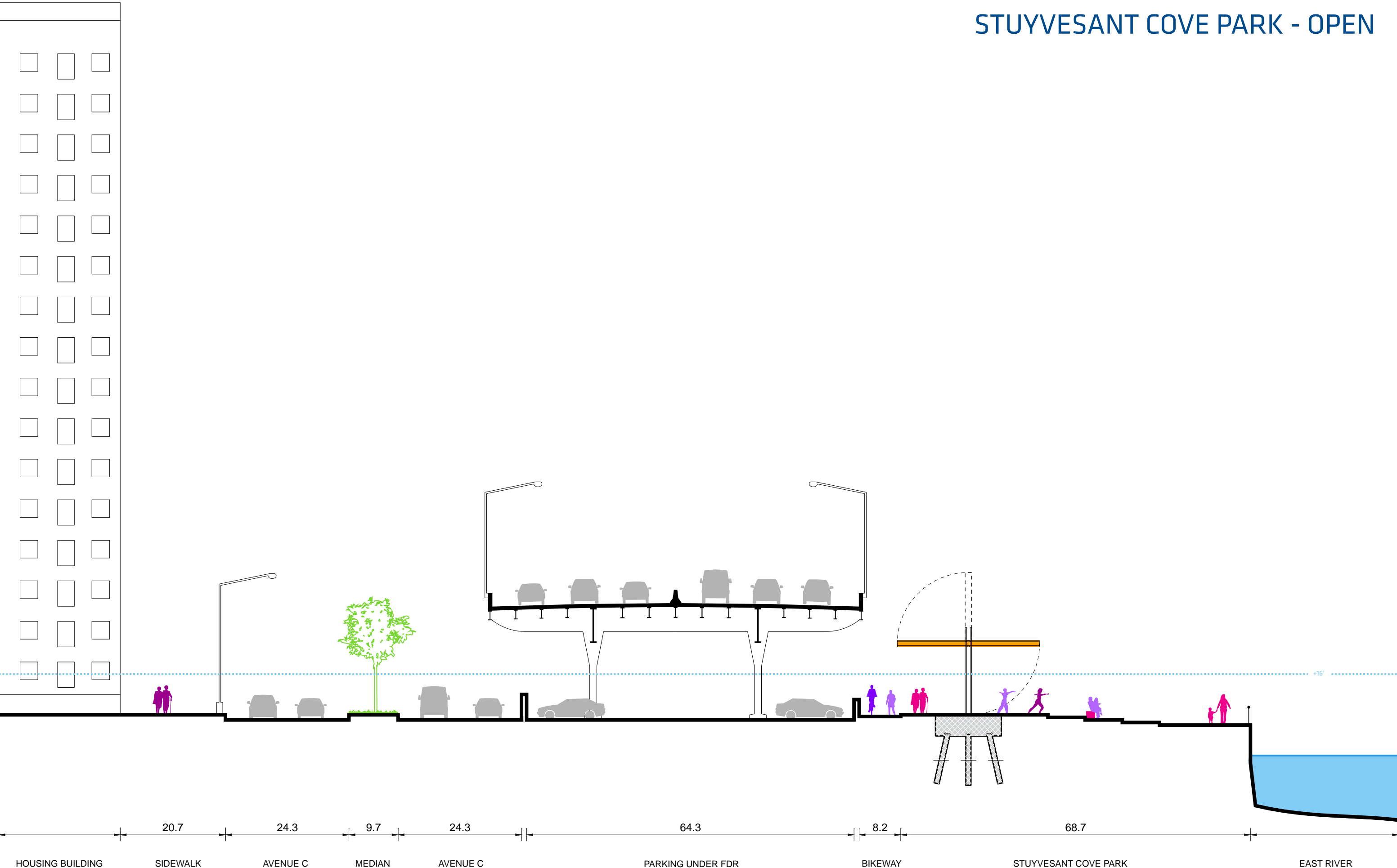
IDEA: FLIP-DOWN CANOPY + BENCH

CLOSED



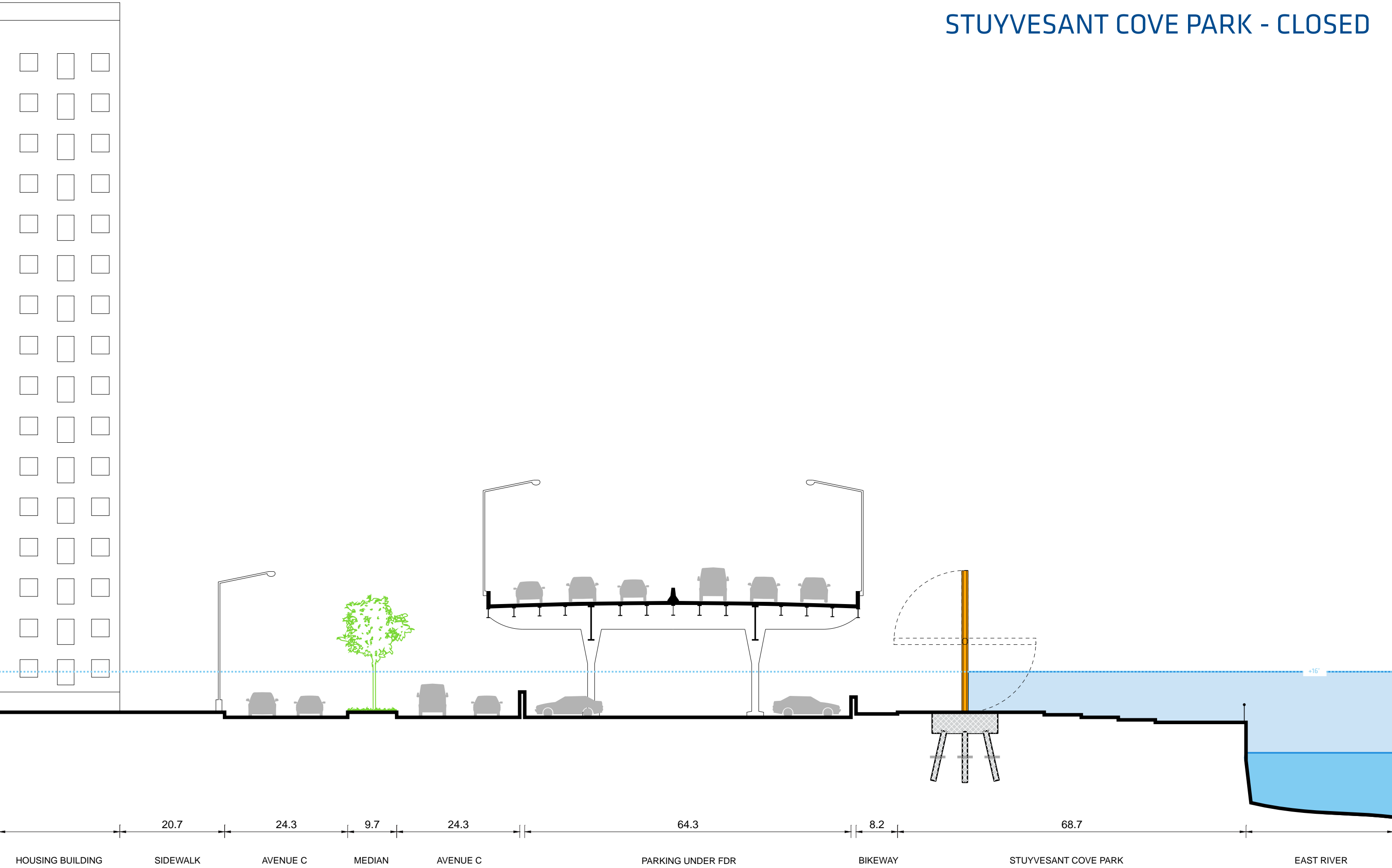
IDEA: FLIP-DOWN CANOPY

STUYVESANT COVE PARK - OPEN



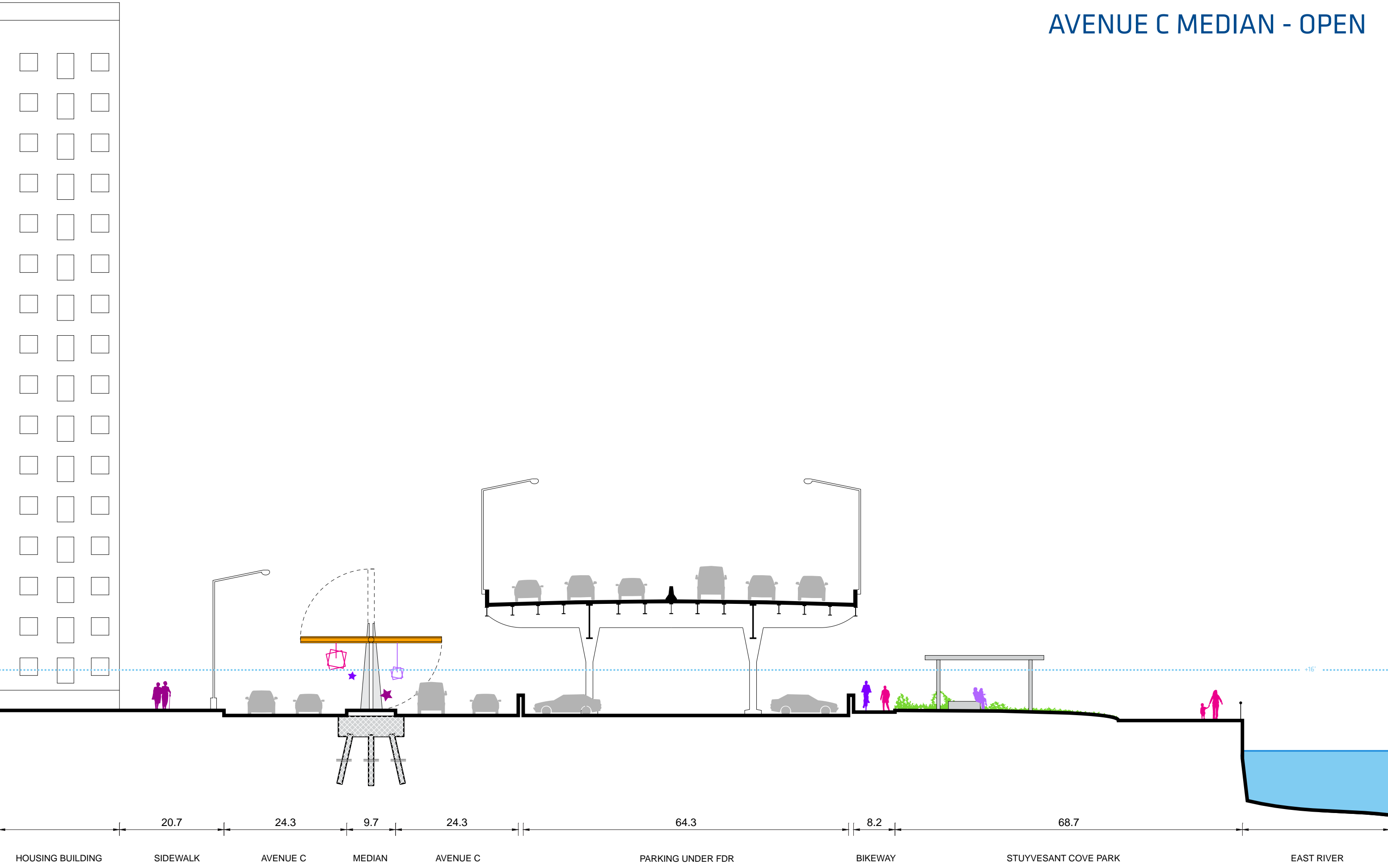
IDEA: FLIP-DOWN CANOPY

STUYVESANT COVE PARK - CLOSED



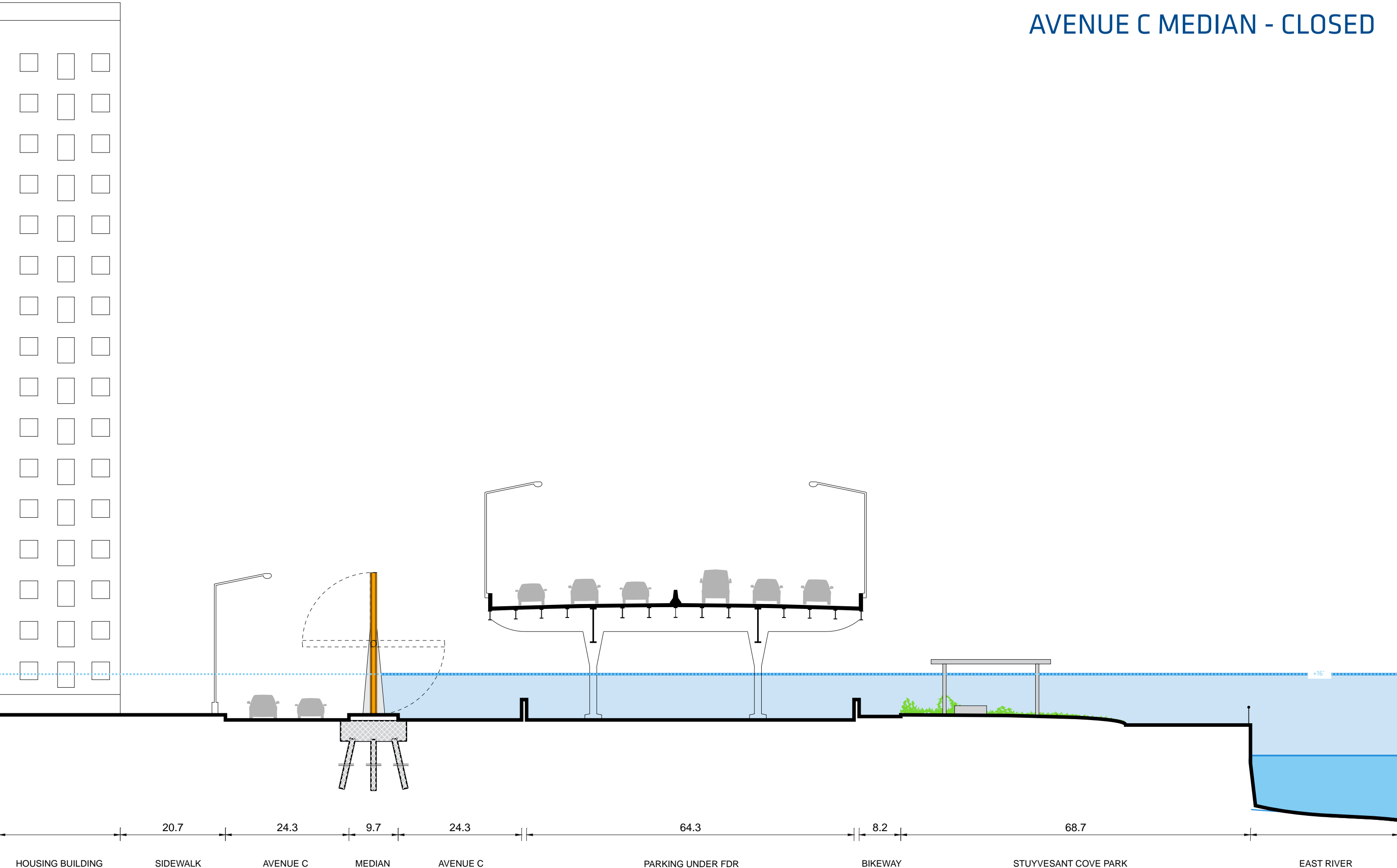
IDEA: FLIP-DOWN CANOPY

AVENUE C MEDIAN - OPEN



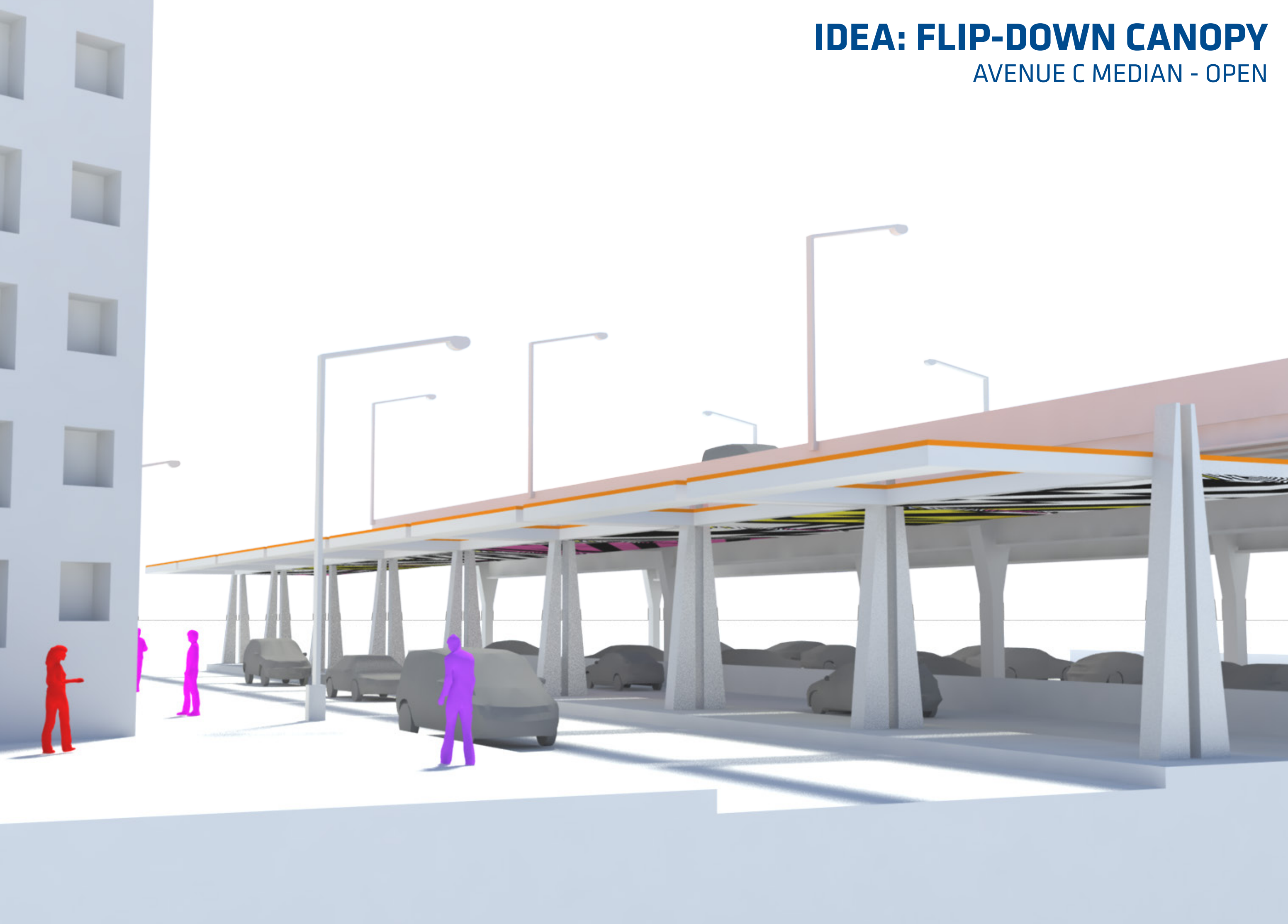
IDEA: FLIP-DOWN CANOPY

AVENUE C MEDIAN - CLOSED



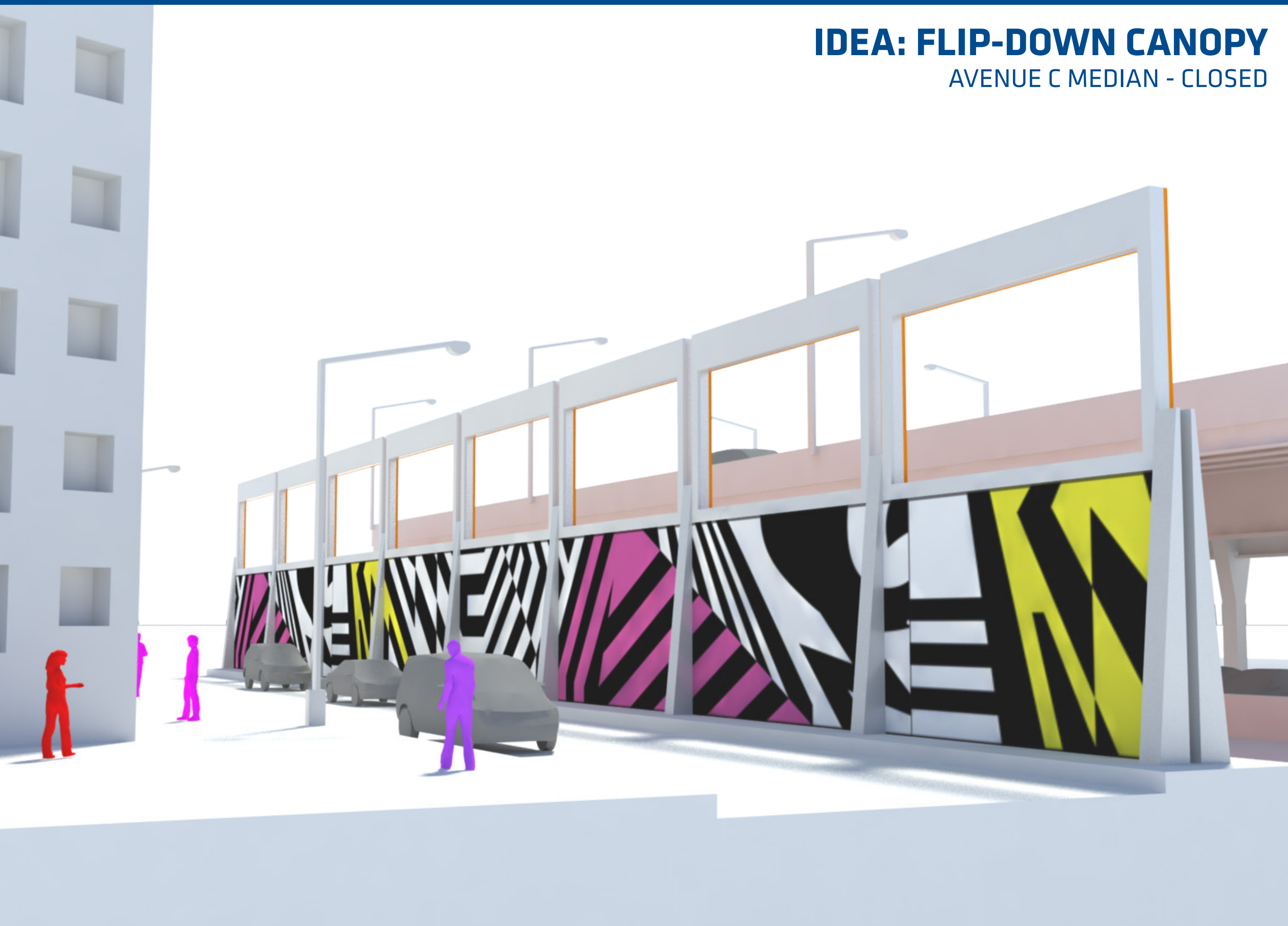
IDEA: FLIP-DOWN CANOPY

AVENUE C MEDIAN - OPEN

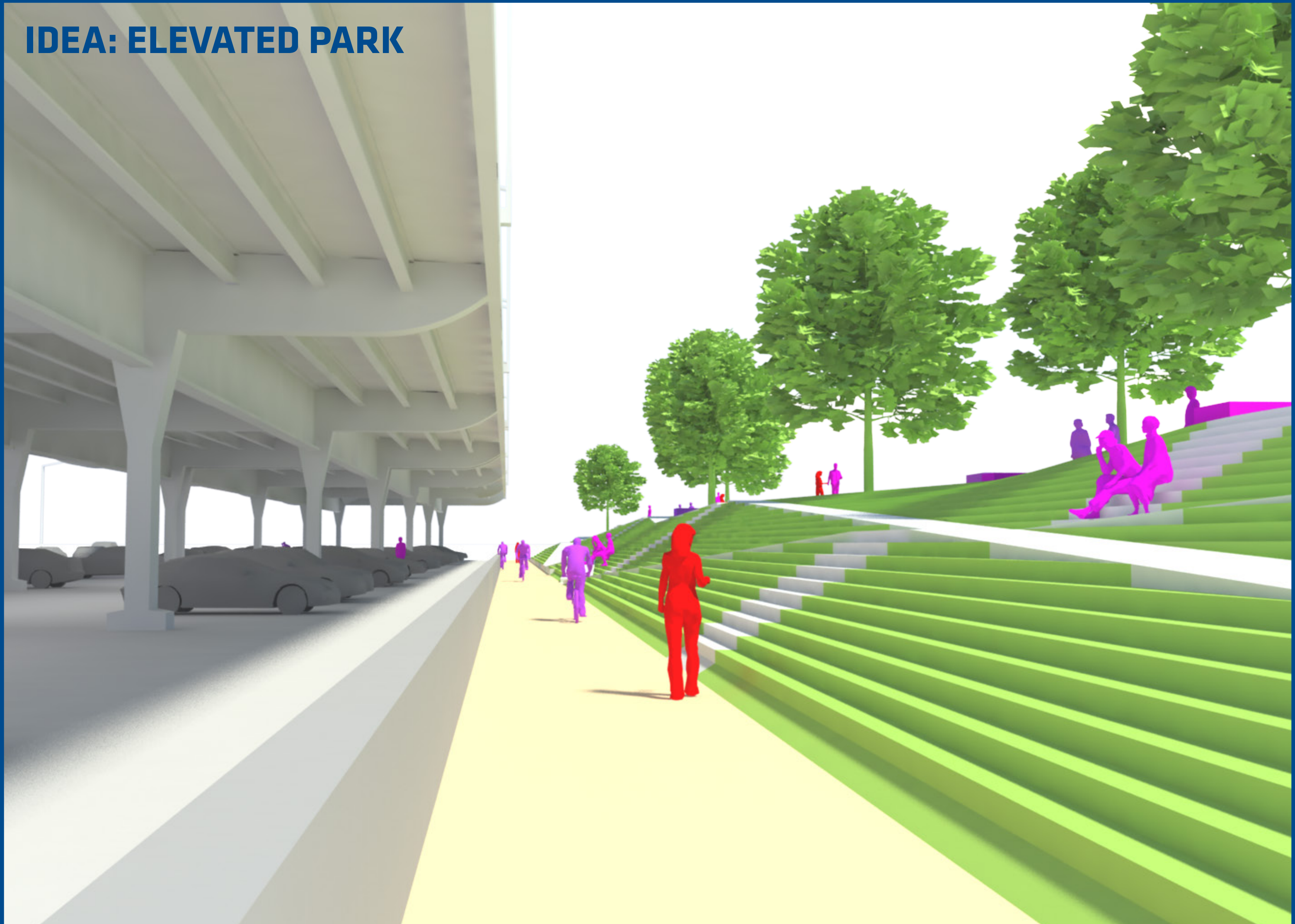


IDEA: FLIP-DOWN CANOPY

AVENUE C MEDIAN - CLOSED



IDEA: ELEVATED PARK



IDEA: ELEVATED PARK



SEGMENT E - 23RD STREET TIE-BACK



SEGMENT E - 23RD STREET TIE-BACK

EXISTING CONDITIONS



**23RD STREET LOOK-
ING WEST**



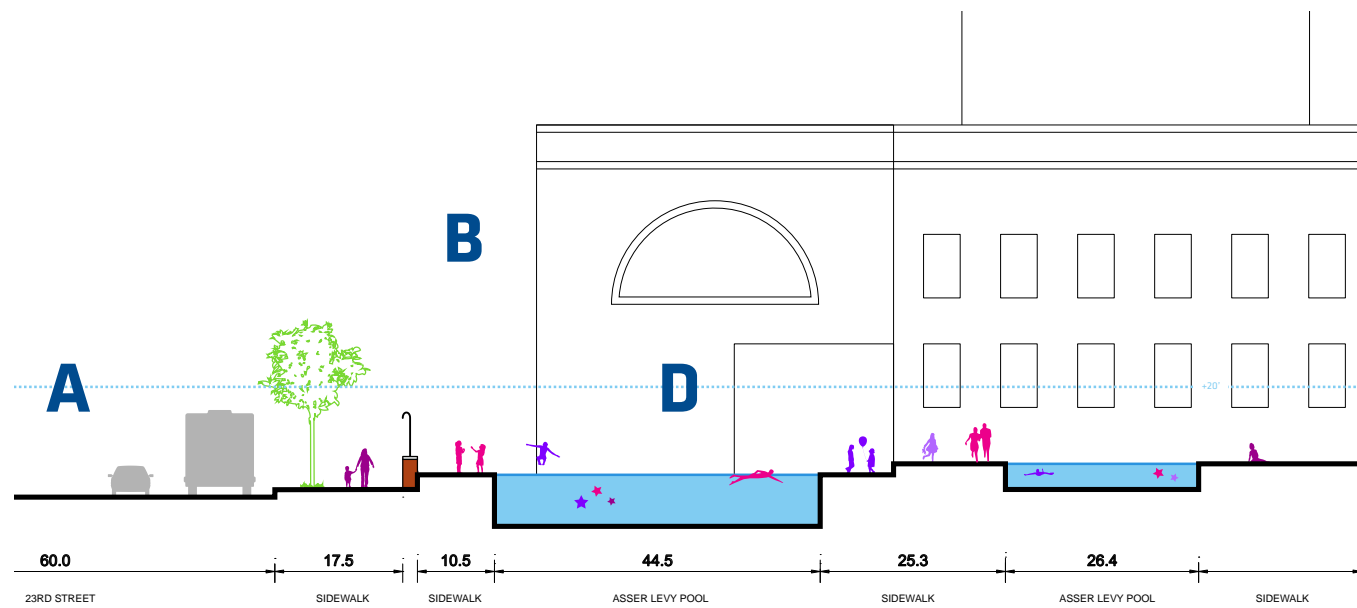
**HISTORIC ASSER-LEVY
PUBLIC BATHHOUSE**



**ASSER-LEVY PARK FROM
ACROSS 23RD STREET**



ASSER LEVY POOL, SUMMER



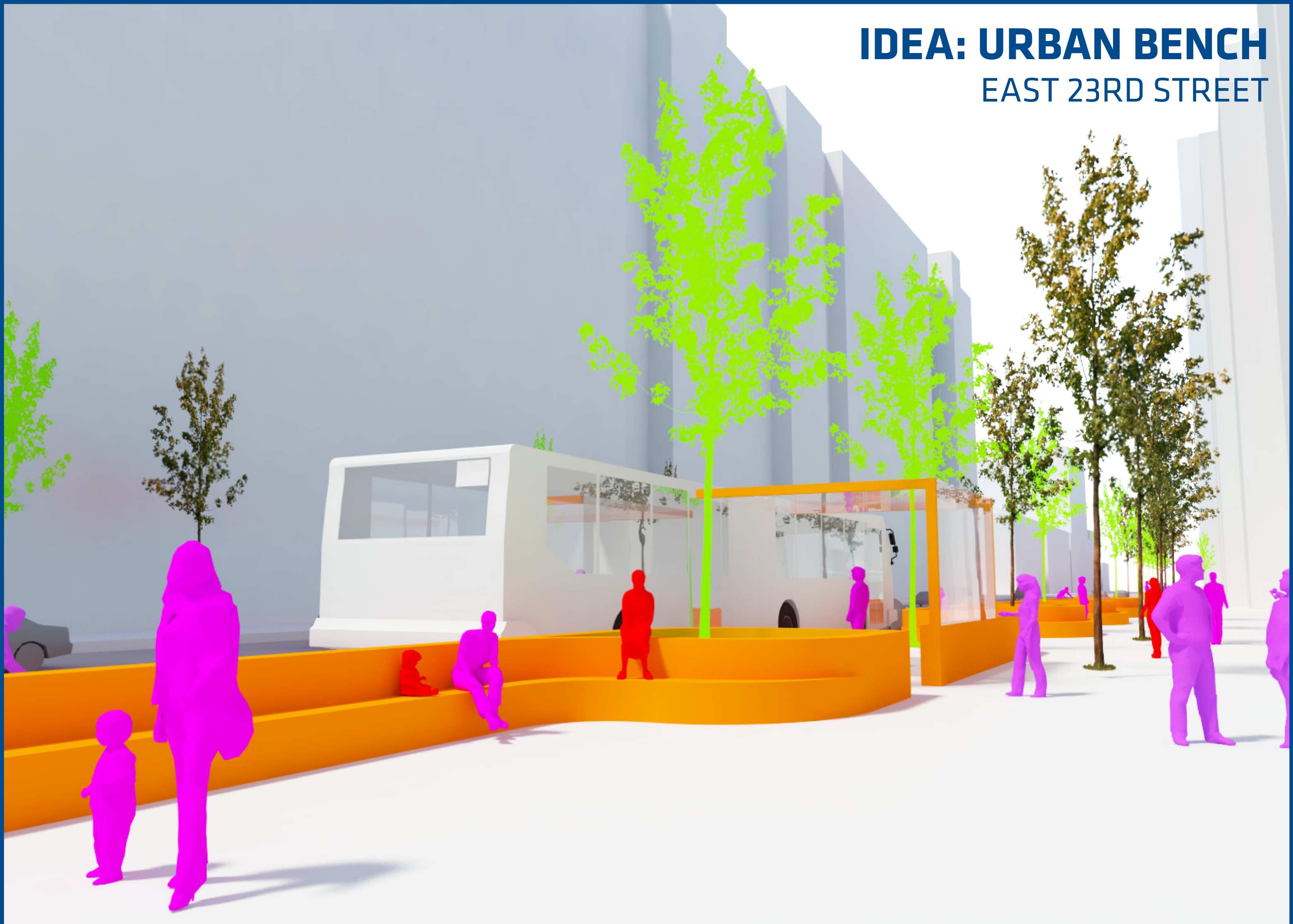
Section - Asser Levy Pool



Section - Asser Levy Park

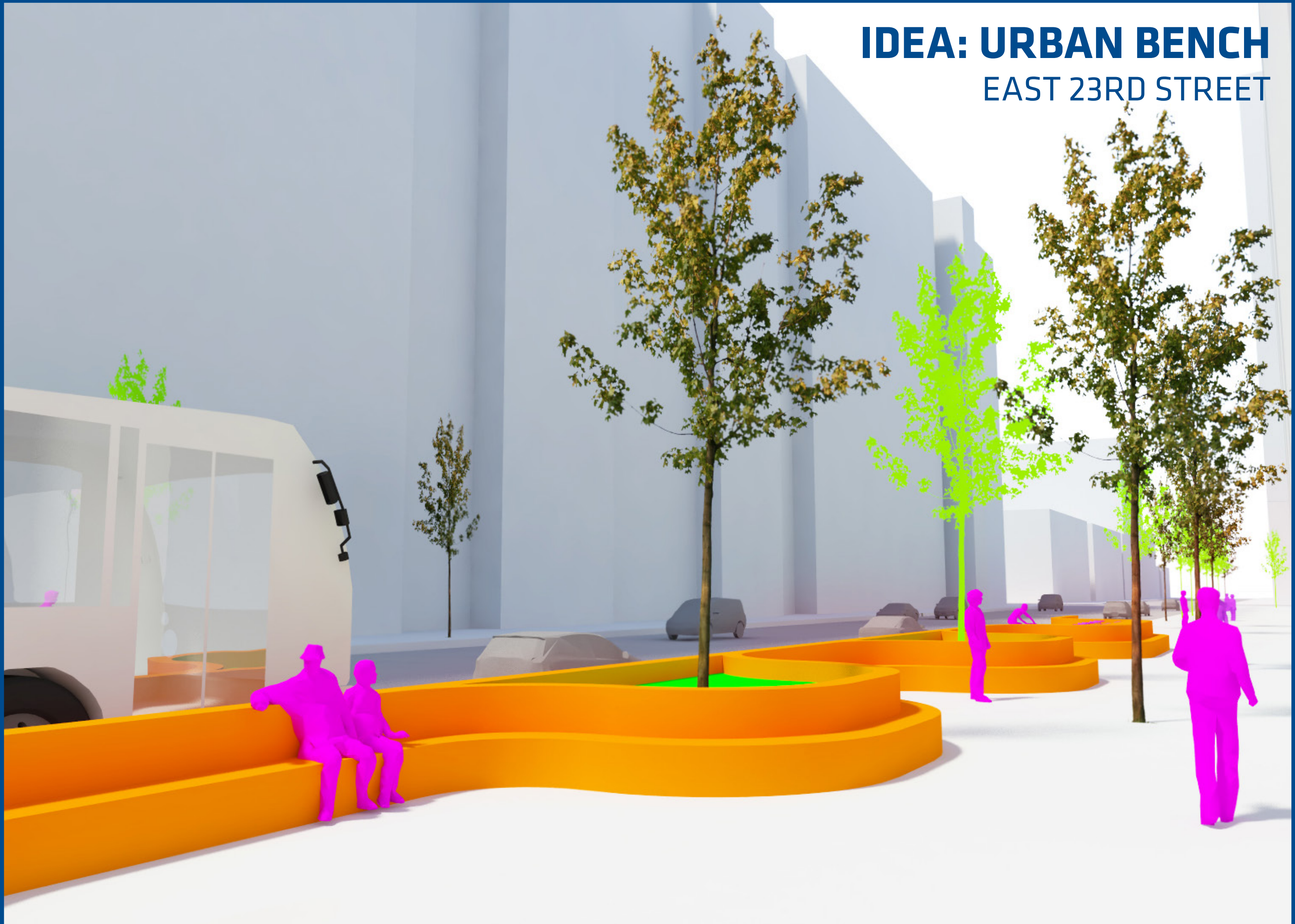
IDEA: URBAN BENCH

EAST 23RD STREET



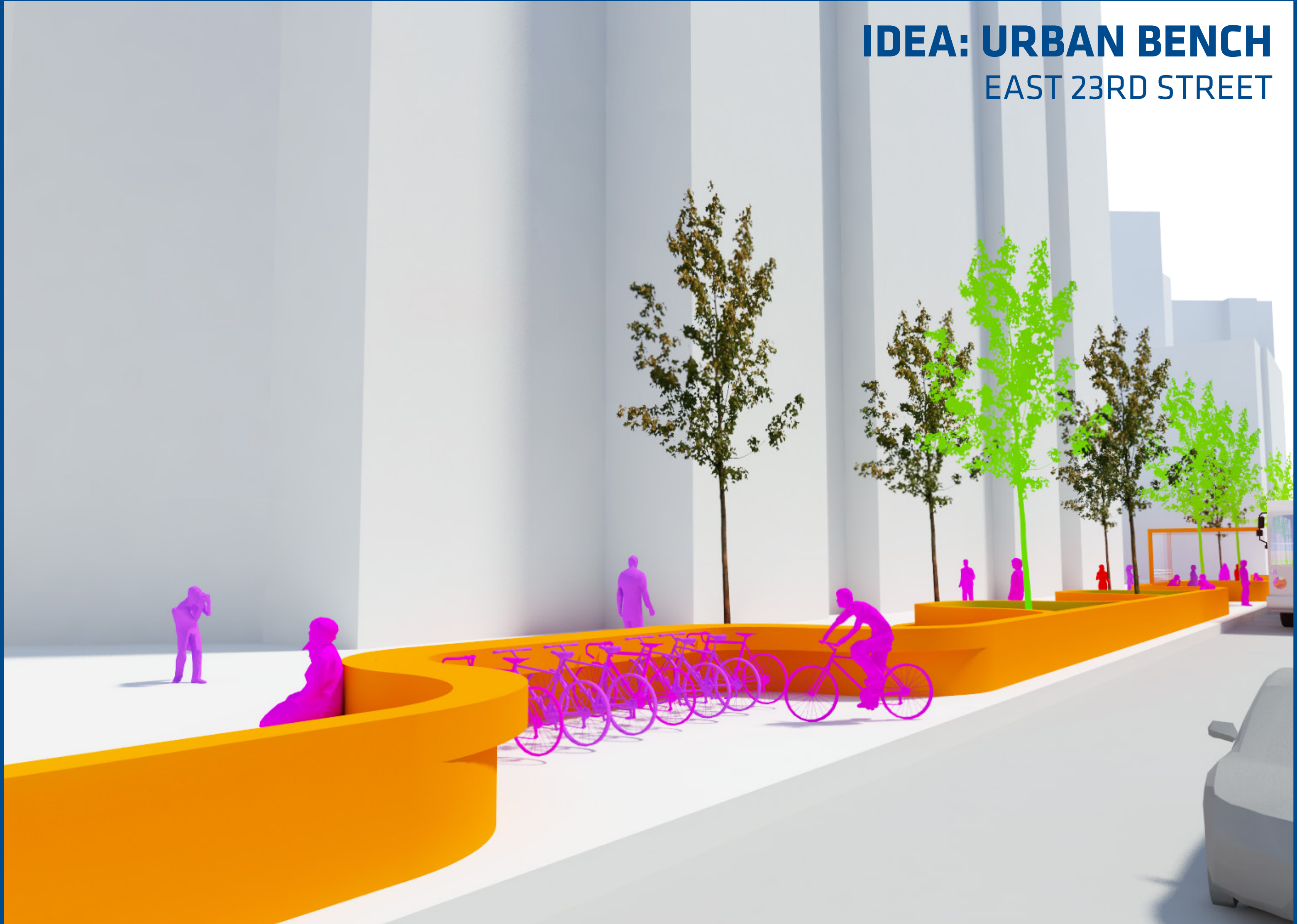
IDEA: URBAN BENCH

EAST 23RD STREET



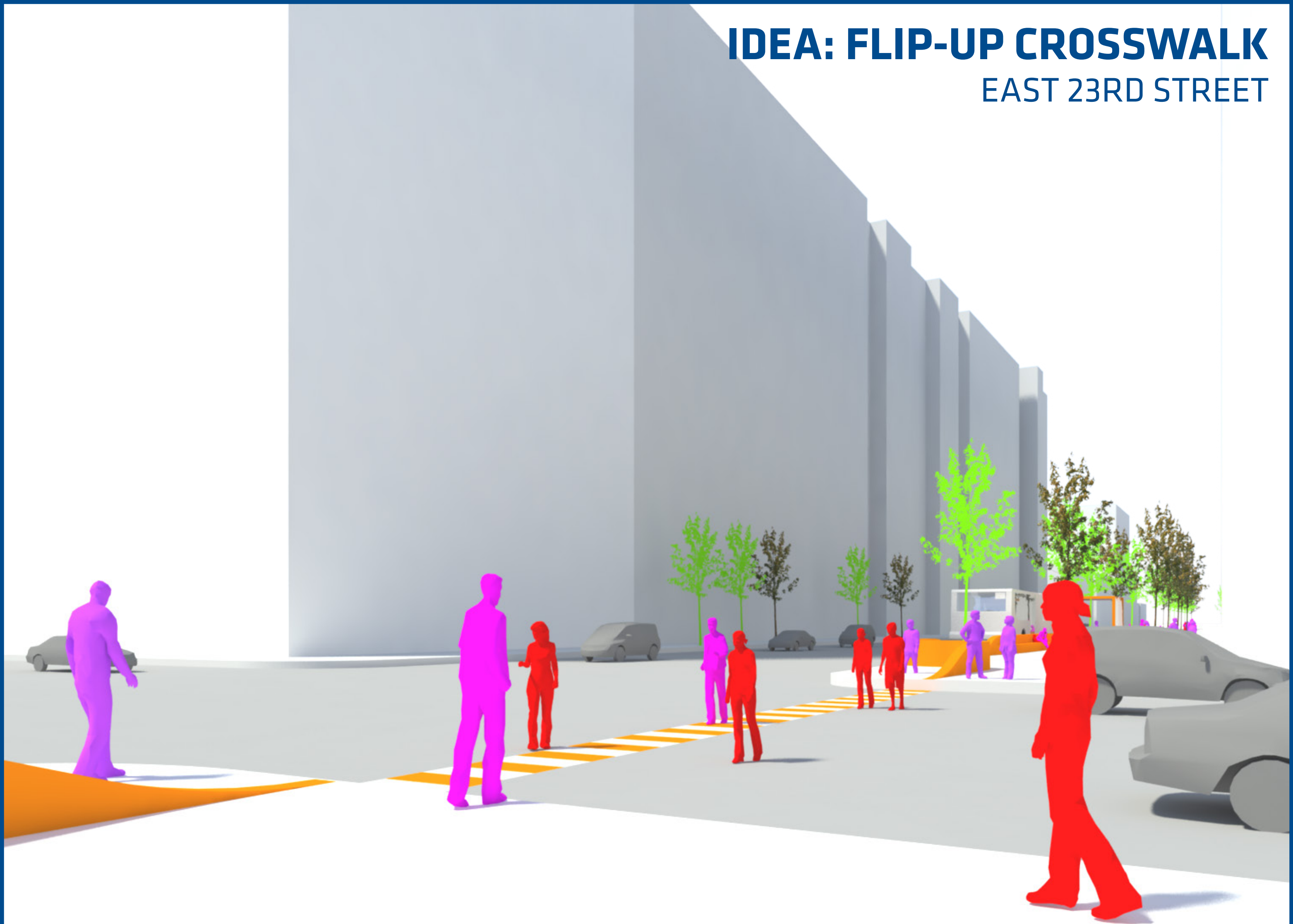
IDEA: URBAN BENCH

EAST 23RD STREET



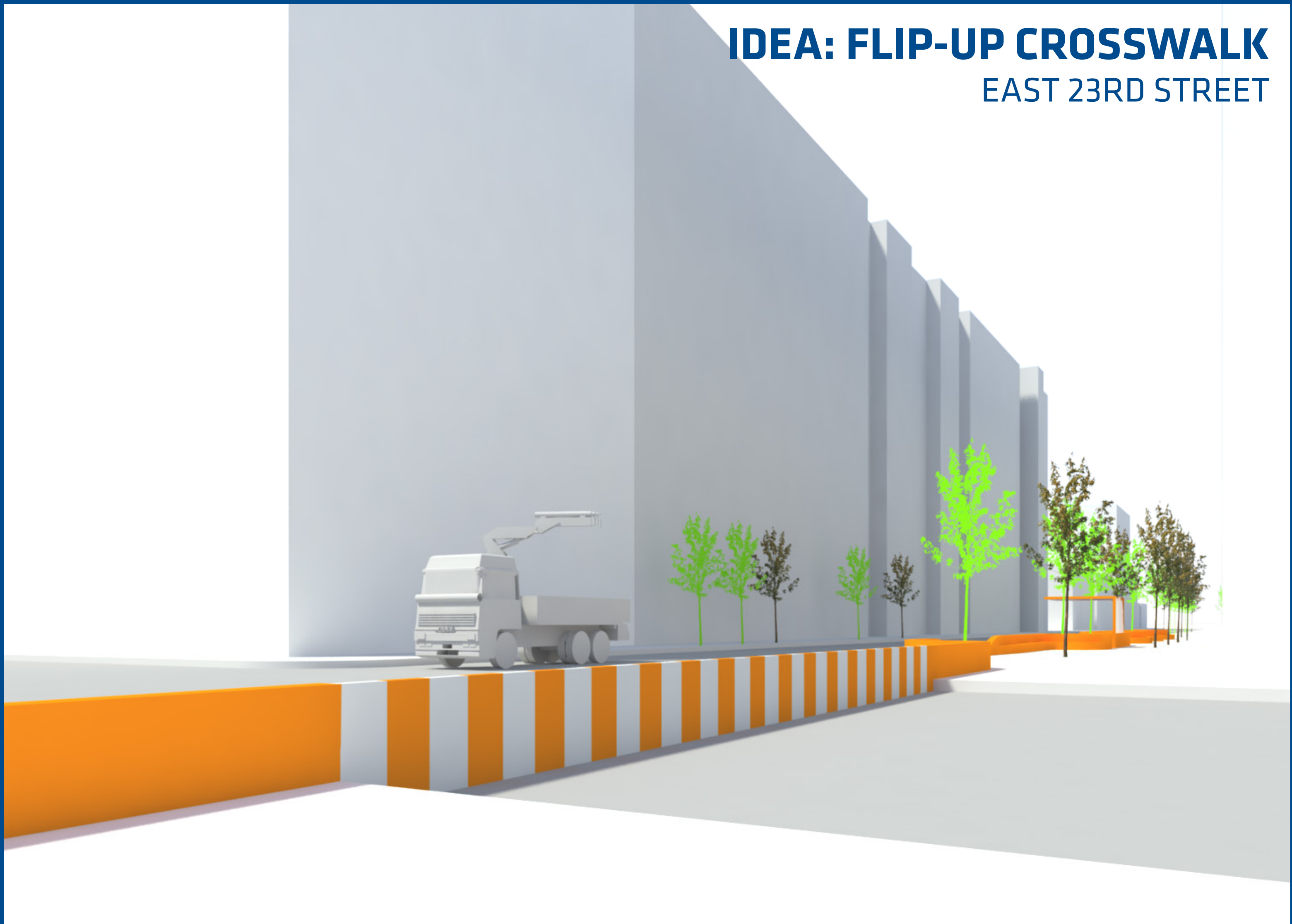
IDEA: FLIP-UP CROSSWALK

EAST 23RD STREET



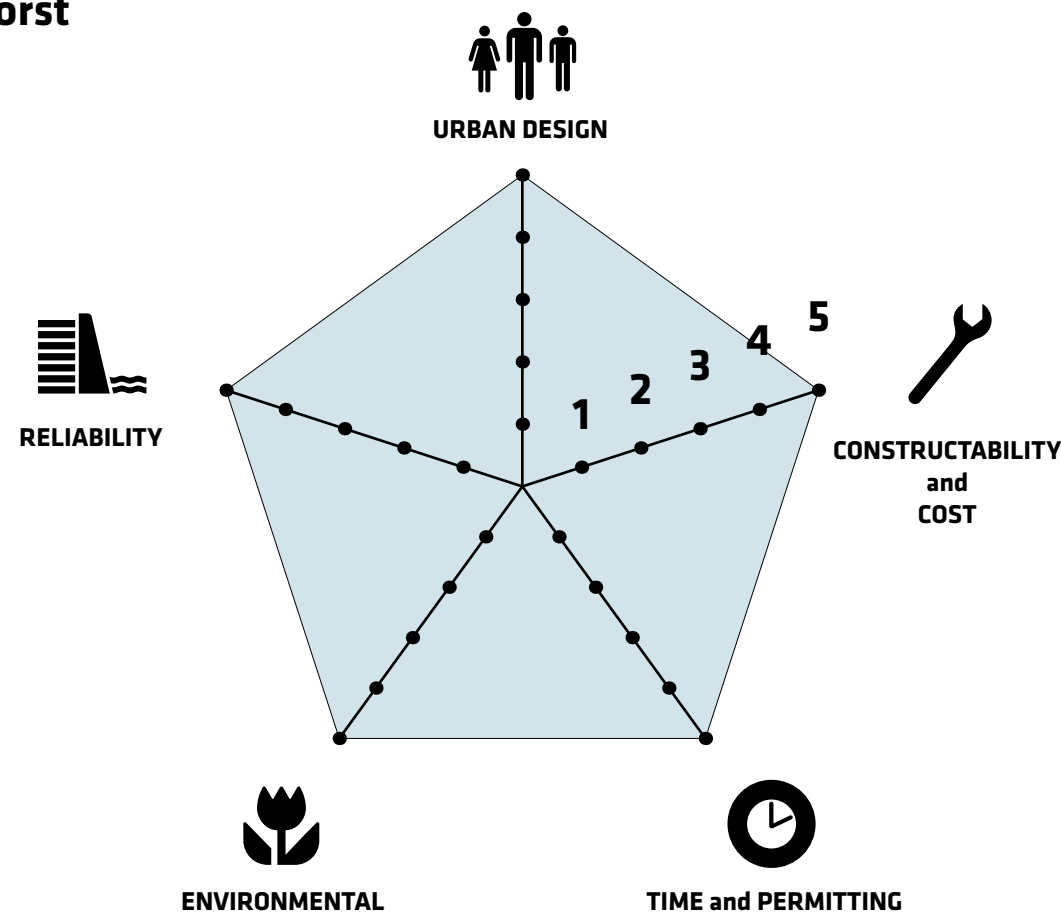
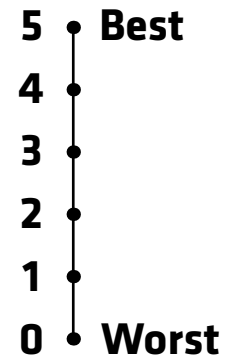
IDEA: FLIP-UP CROSSWALK

EAST 23RD STREET

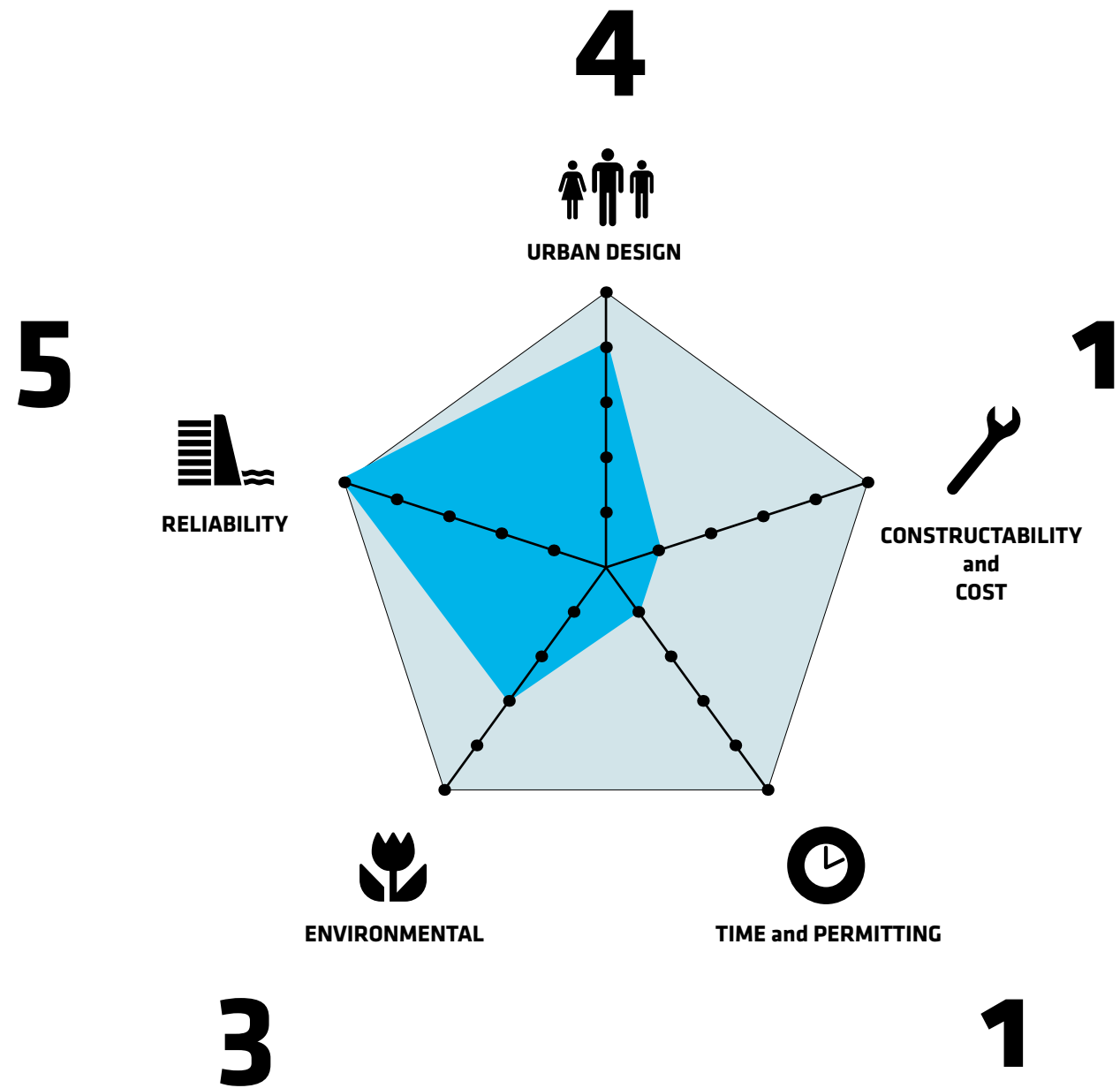


ALTERNATIVES EVALUATION

RATING CRITERIA



5 CRITERIA



EXAMPLE RATING

MARCH COMMUNITY ENGAGEMENT FINDINGS

MARCH COMMUNITY ENGAGEMENT FINDINGS

Over 135 residents attended the first round of community engagement workshops for the East Side Coastal Resiliency Project on 03/19 and 03/23.



SESSION 1: MARCH 19TH, BARD HIGH SCHOOL



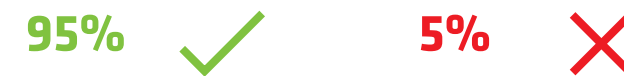
SESSION 2: MARCH 23RD, WASHINGTON IRVING HIGH SCHOOL

MARCH COMMUNITY ENGAGEMENT FINDINGS

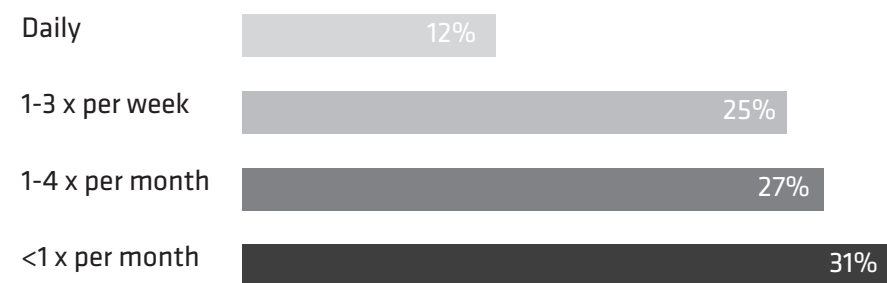
A majority of participants would like to see a nature walk (61%) and a cafe (55%) in East River Park.

USE OF EAST RIVER PARK:

Do you visit East River Park?



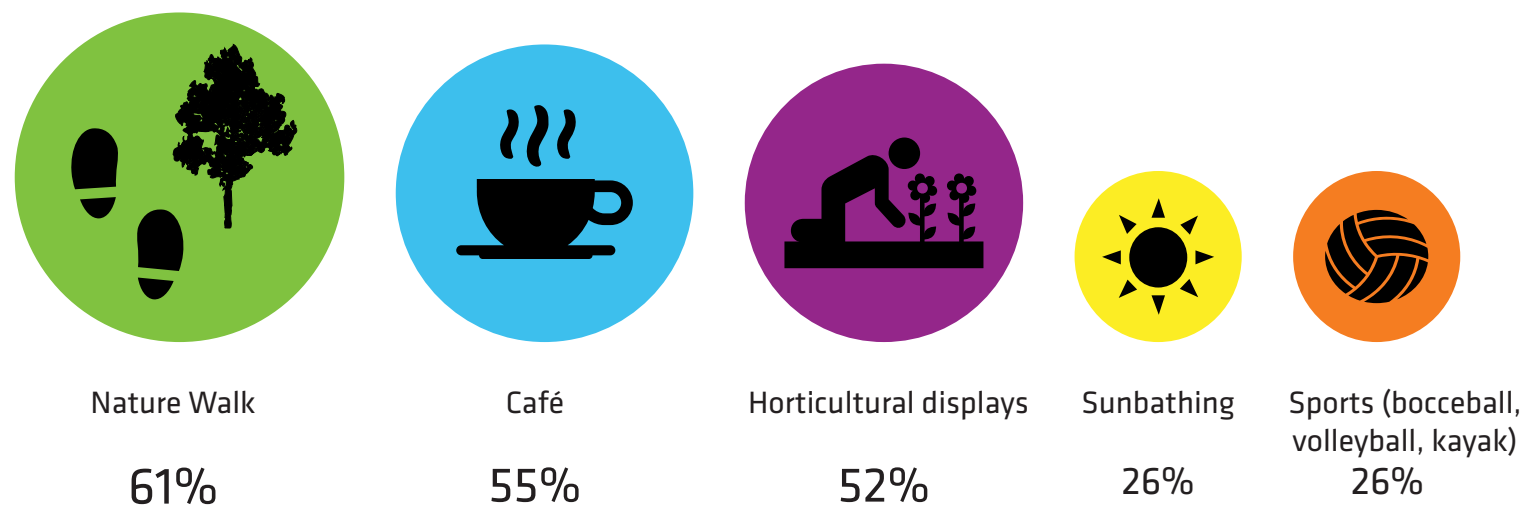
If yes, how often?



If no, why not?



What additional services, activities or spaces would you like to see in or near East River Park?



Other suggestions include: a dog run, an ice-skating rink, a bike rental facility, a batting cage, movie nights during the summer months, a beach, ping-pong tables, shade structures, a playground, and an eco-festival

MARCH COMMUNITY ENGAGEMENT FINDINGS

A majority of participants would like to see a kayak facility (48%) and a cafe (48%) in Stuyvesant Cove Park.

USE OF STUYVESANT COVE PARK:

Do you visit Stuyvesant Cove Park?

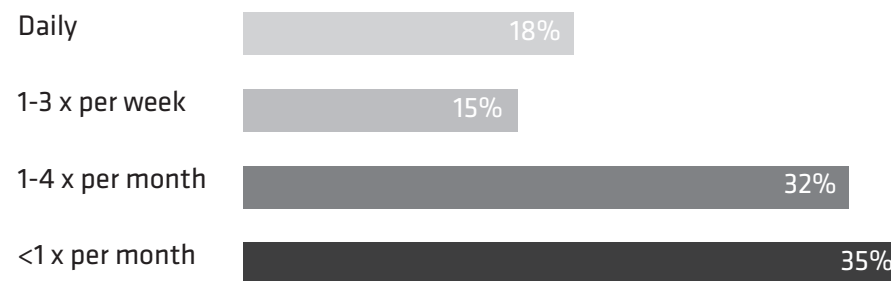
55%



45%



If yes, how often?

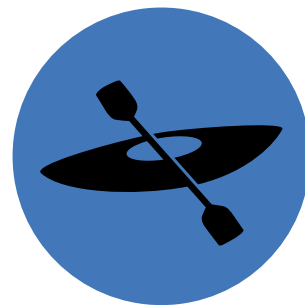


If no, why not?

"Access is limited and the intersections are hard to navigate"

"There is nothing to do there"

What additional services, activities or spaces would you like to see in or near East River waterfront, including under the FDR drive?



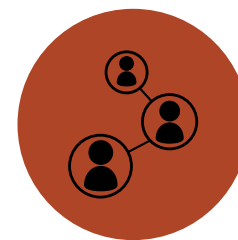
Kayaking

48%



Café

48%



Community services

34%



Retail

16%



Sports (indoor sports, volleyball)

15%

Other suggestions include: an LGBT educational facility, a soccer field, a bocceball court, concerts and performances during the summer months, a sledding hill and a paddleboard dock

MARCH COMMUNITY ENGAGEMENT FINDINGS

According to survey, 20th Street is the most frequently used access point to Stuyvesant Cove Park, while the Corlears Hook and Delancey Street bridges are the most frequently used connections to East River Park.

SURVEY MAP RESPONSES:

HOW DO YOU GET TO THE EAST RIVER WATERFRONT?



MARCH COMMUNITY ENGAGEMENT FINDINGS

Participants voiced concerns about the quality and safety of the pedestrian connections to the waterfront throughout the ESCR Project area.

ACCESS POINTS TO THE WATERFRONT:

20TH STREET CROSSING



SESSION 1 & 2 ACTIVITY BOARD



20TH ST. ACCESS POINT

NEXT STEPS

**SIGN IN AT THE FRONT DESK
TO STAY IN TOUCH AND HEAR
ABOUT UPCOMING MEETINGS AND
ANNOUNCEMENTS!**

FOR MORE INFORMATION ABOUT
THE EAST SIDE COASTAL RESILIENCY PROJECT EMAIL US AT:

nycresiliency@cityhall.nyc.gov

NEXT STEPS

THE NEXT TWO COMMUNITY MEETINGS FOCUS ON THE WATERFRONT BETWEEN MONTGOMERY AND EAST 13TH STREET:

MAY 20TH FROM 7:00-9:00PM
HENRIETTA SZOLD SCHOOL
293 EAST BROADWAY

MAY 28TH FROM 6:30-8:30PM
AT CHURCH OF ST. BRIGID
119 AVENUE B

TELL YOUR FRIENDS!



NEXT STEPS

THE NEXT TASK FORCE MEETING WILL BE HELD:

JULY 9TH, TIME AND LOCATION COMING SOON

JOIN A TABLE!

DISCUSSION 1 (40 Minutes)

Flood Protection Types in Project Area 2

DISCUSSION 2 (20 Minutes)

Neighborhood Connections in Project Area 2

REPORT BACK! (15 Minutes)