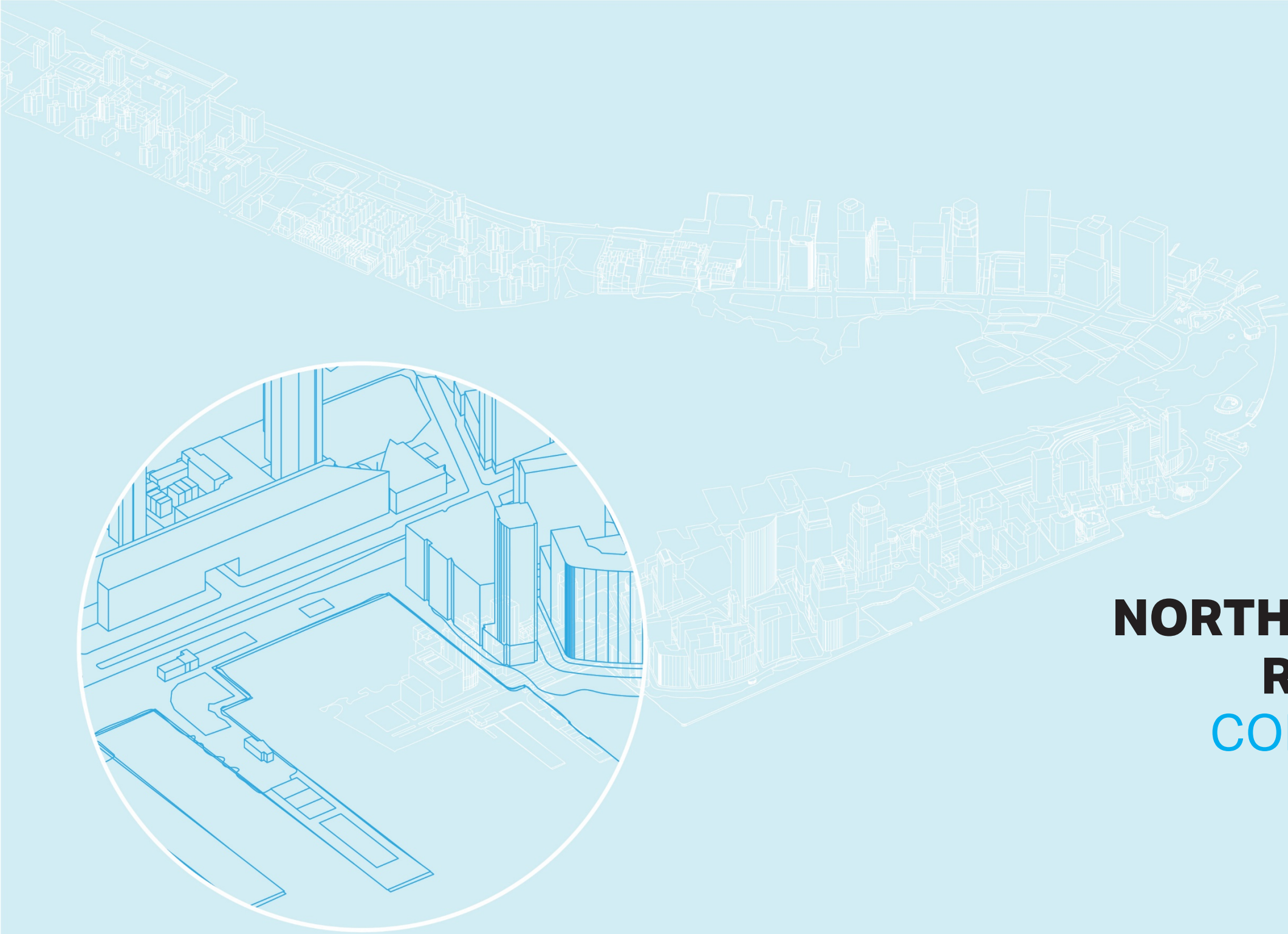




NORTH BATTERY PARK CITY RESILIENCY PROJECT

COMMUNITY MEETING #3

JULY 23, 2020



AGENDA

1. PROJECT OVERVIEW + PROGRESS UPDATES

2. CONCEPTUAL DESIGN STUDIES

ZONE 1: THE NORTH ESPLANADE

ZONE 2: THE STREET ALIGNMENTS

3. NEXT STEPS

4. QUESTIONS + COMMENTS

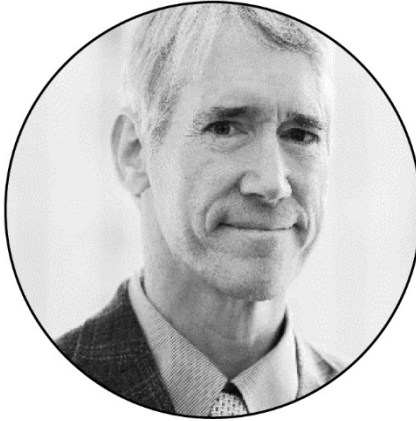
TEAM MEMBERS



PRESENTER
GARRETT AVERY
AECOM
PROJECT MANAGER



PRESENTER
GONZALO CRUZ
AECOM
DESIGN LEAD



PRESENTER
MARK FOSTER
AECOM
ENGINEERING LEAD

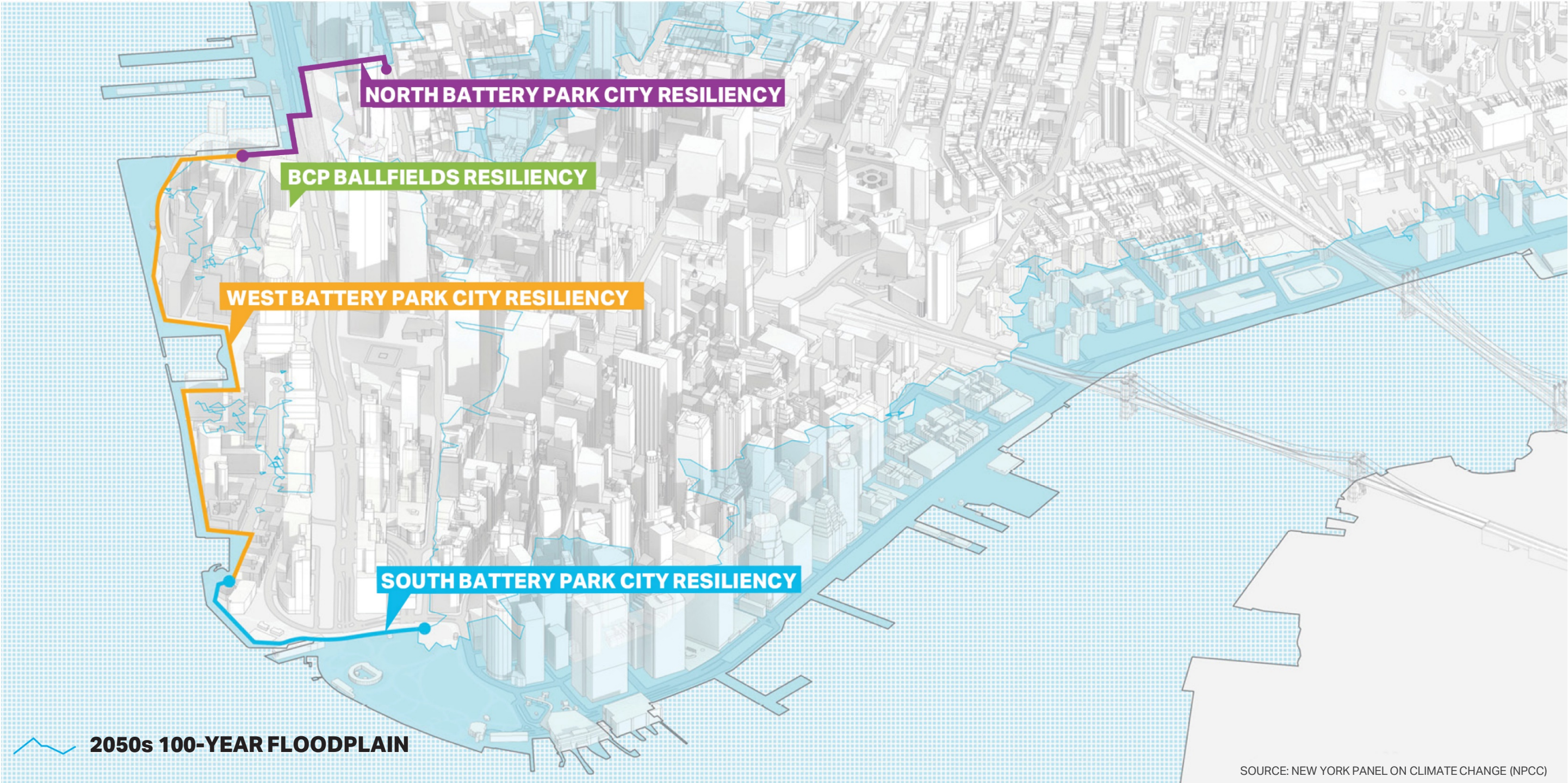


PRESENTER
SUSAN BEMIS
AECOM
PUBLIC REALM
DESIGN LEAD



PRESENTER
MARIO ULLOA
AECOM
URBAN DESIGN LEAD

RESILIENCY MEASURES | BATTERY PARK CITY

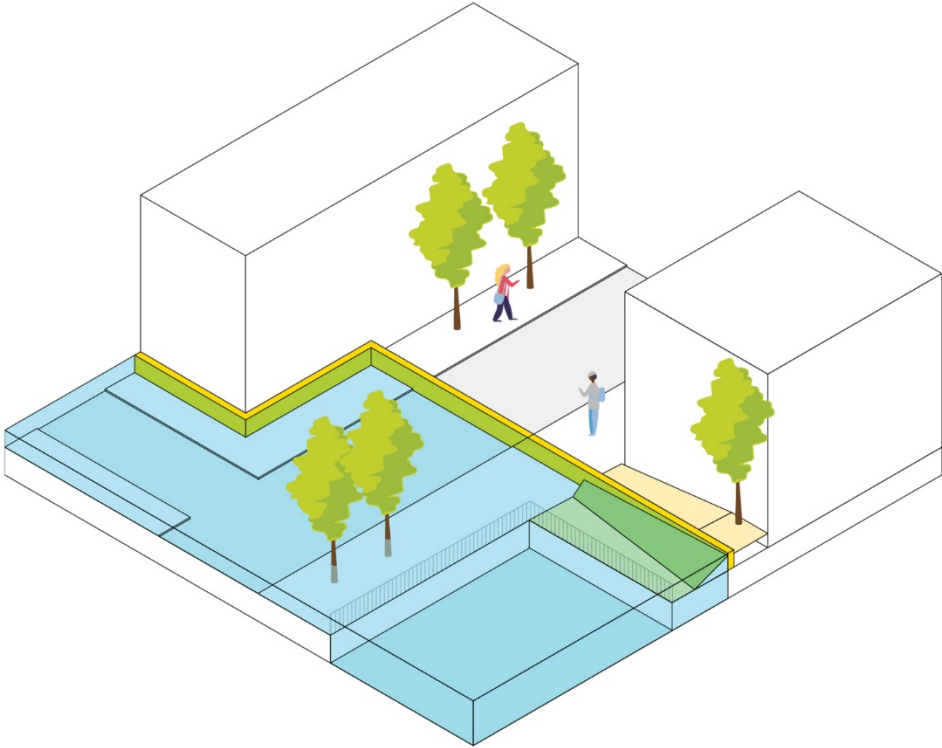


SOURCE: NEW YORK PANEL ON CLIMATE CHANGE (NPCC)

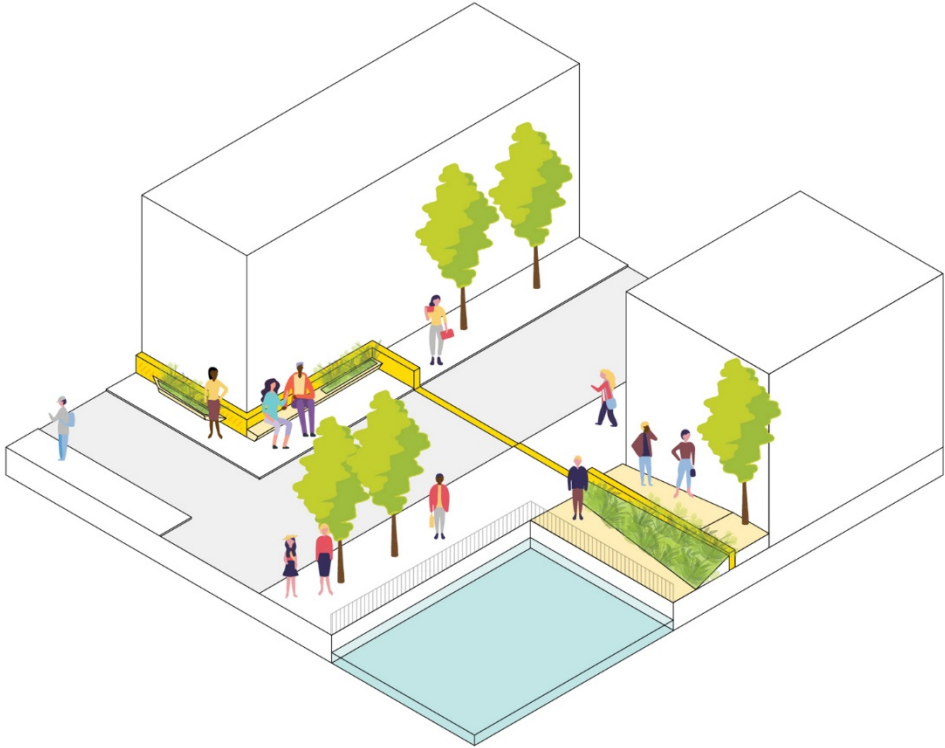
PROGRESS UPDATE

- Refined coastal modeling results; a shortened length of intervention within the City streets – by approx. 120 feet
- Refined typology of barrier components within the alignments – i.e., fixed walls, roller gates, etc.
- Preliminary identification of potential approaches to major utility conflicts
- Advancement of public realm design (streetscape elements, plantings)
- Development of conceptual materials palette
- Refinement of design approaches for BPC North Esplanade

PROJECT PRIORITIES



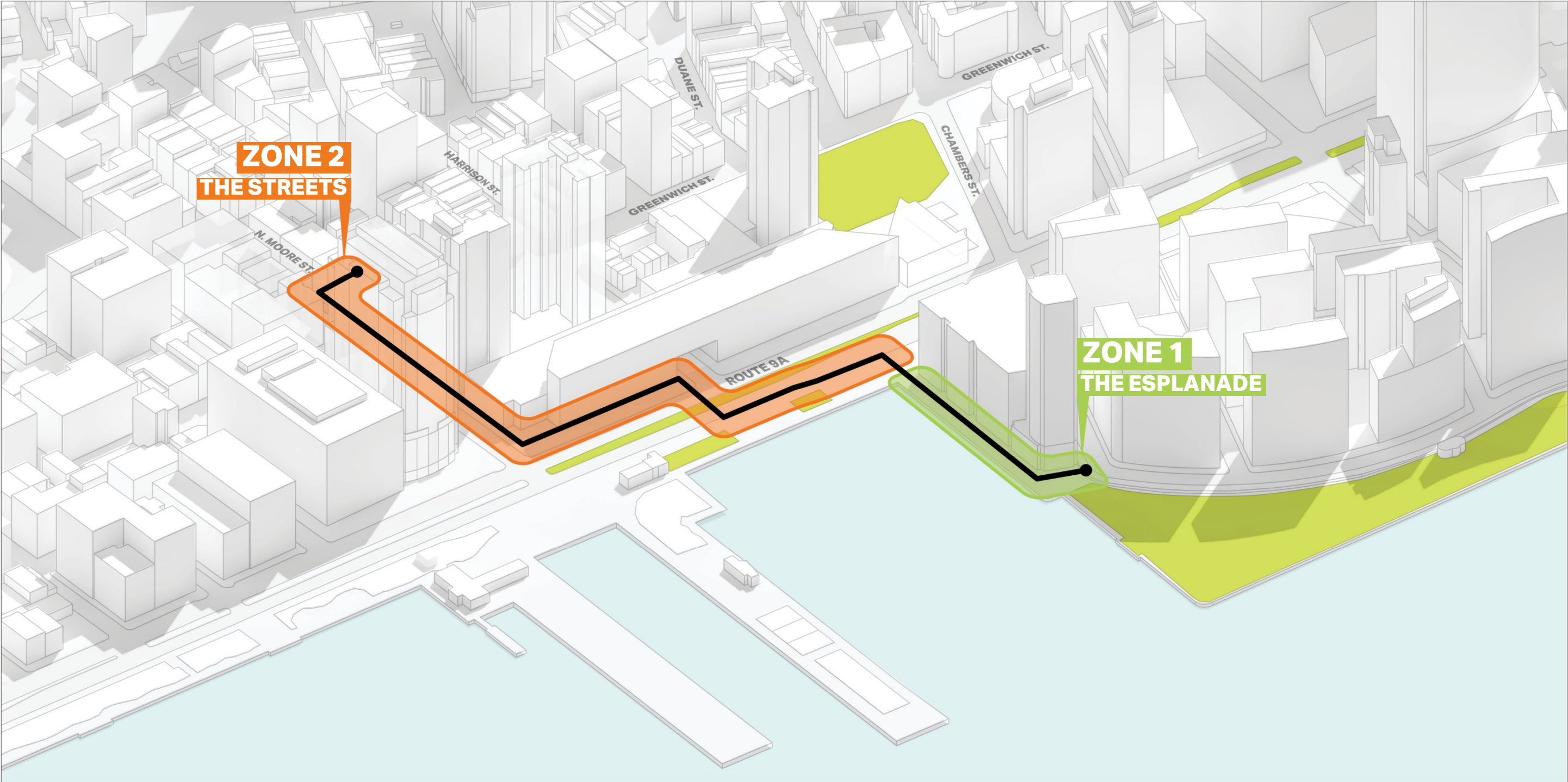
RESILIENCY MEASURES



PUBLIC BENEFIT

= **MULTI-PURPOSE
PERFORMANCE**

THE ZONES | THE NORTH ESPLANADE & THE STREETS

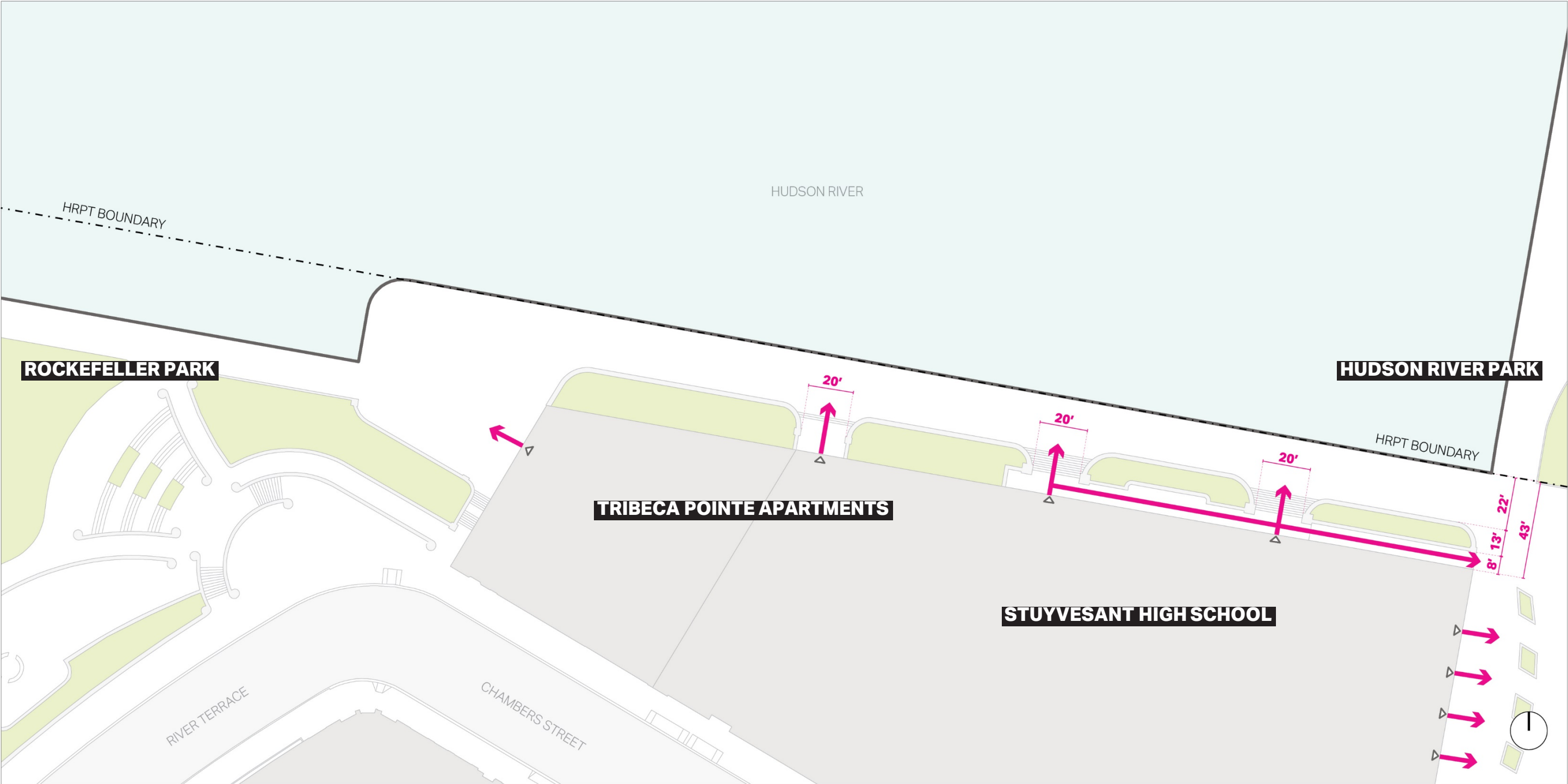


ZONE 1

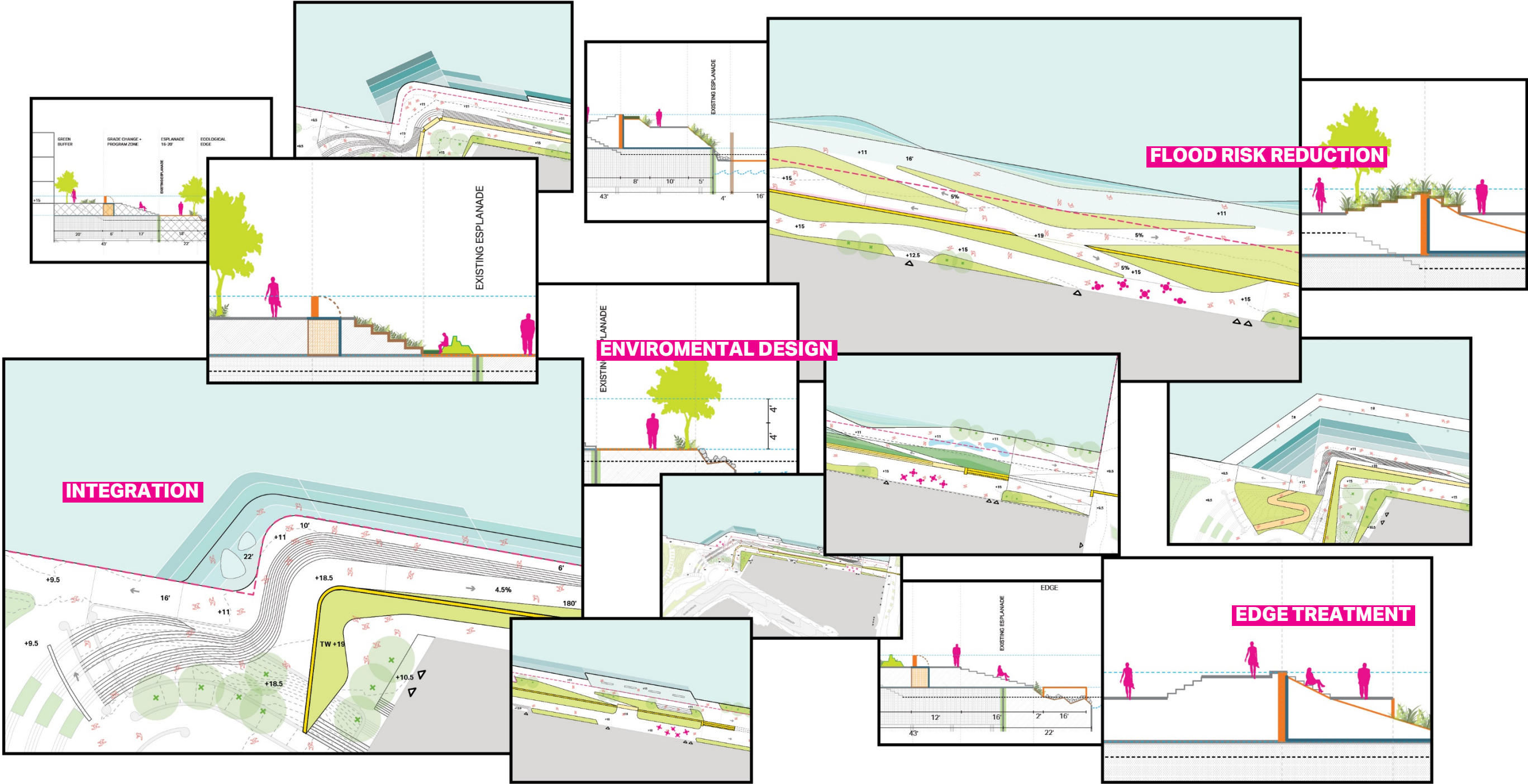
THE NORTH ESPLANADE

- EXISTING CONDITIONS
- DESIGN OBJECTIVES
- DESIGN APPROACH
 - RIVER WALK
 - NORTH ESPLANADE PARK

THE NORTH ESPLANADE | EXISTING CONDITIONS



THE NORTH ESPLANADE | DESIGN STUDIES



DESIGN OBJECTIVES



FLOOD RISK REDUCTION



CIRCULATION

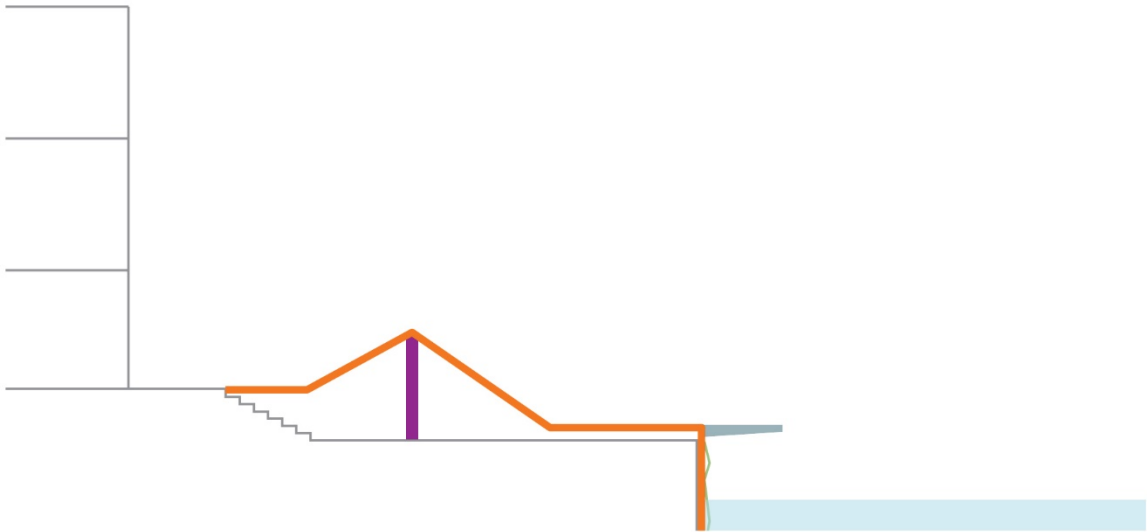


PUBLIC SPACE

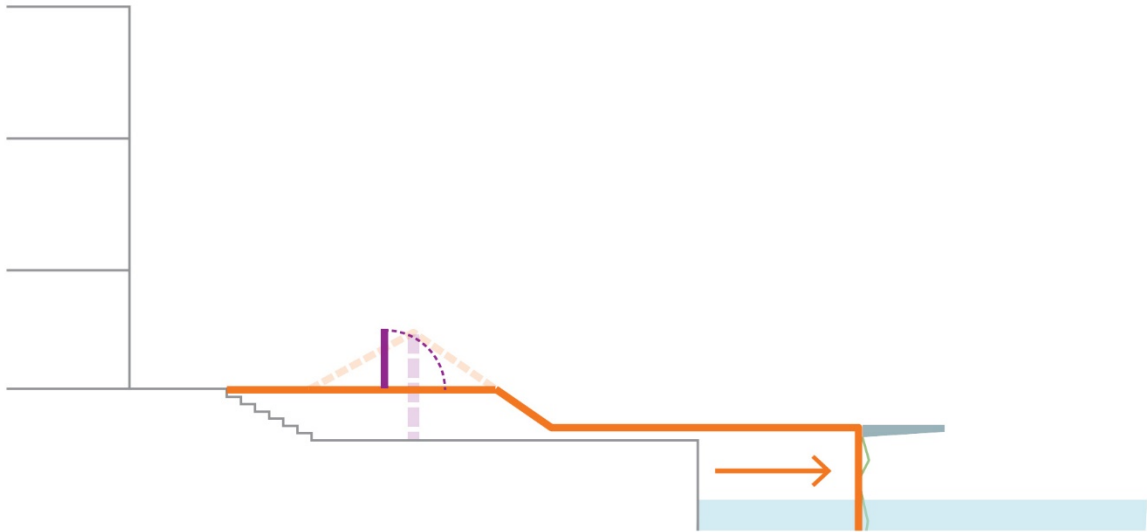


ECOLOGY

DESIGN CONCEPT

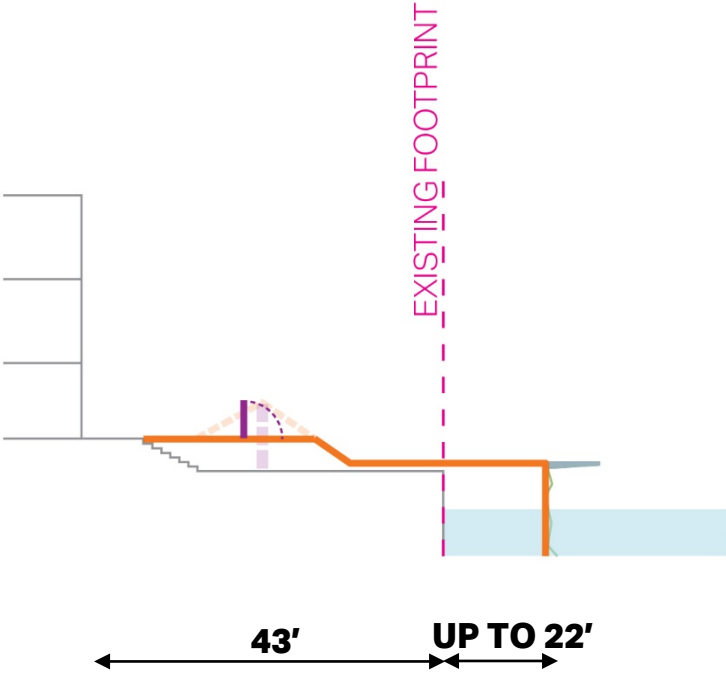
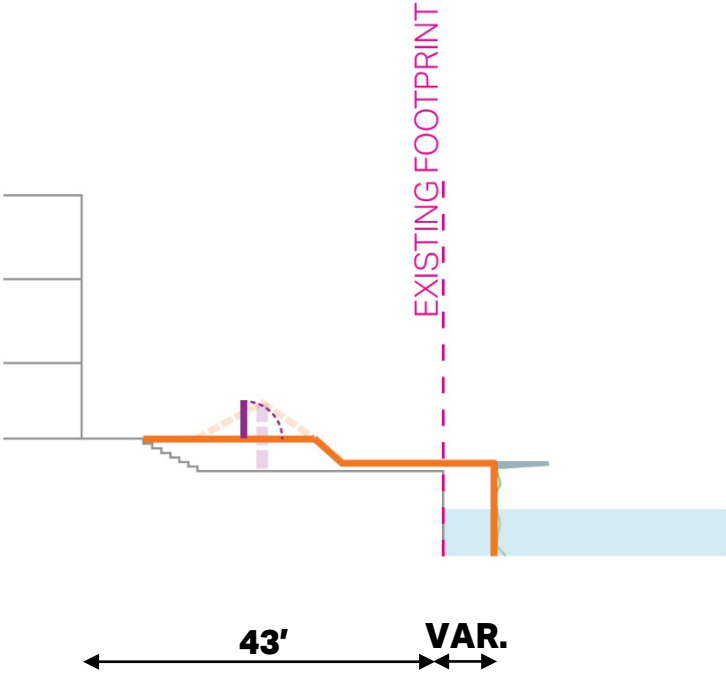
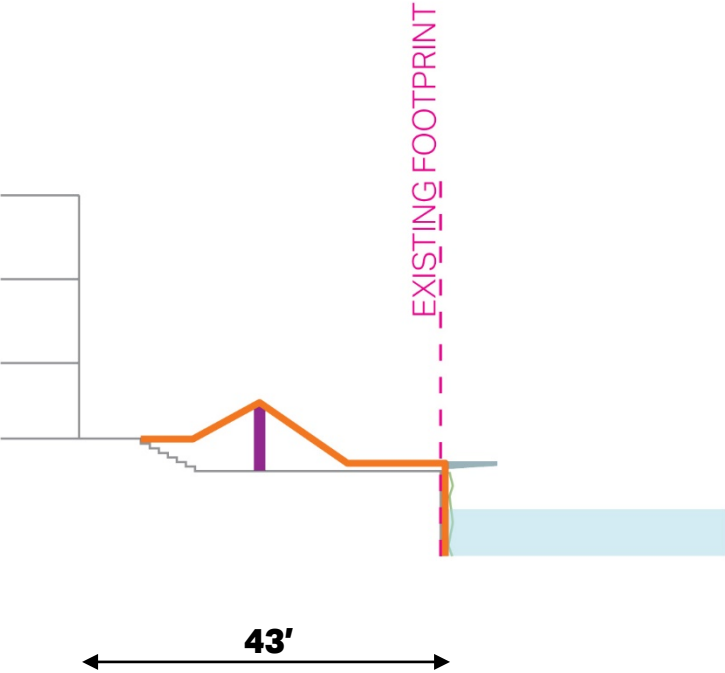


RIVER WALK
MAINTAINING EXISTING FOOTPRINT

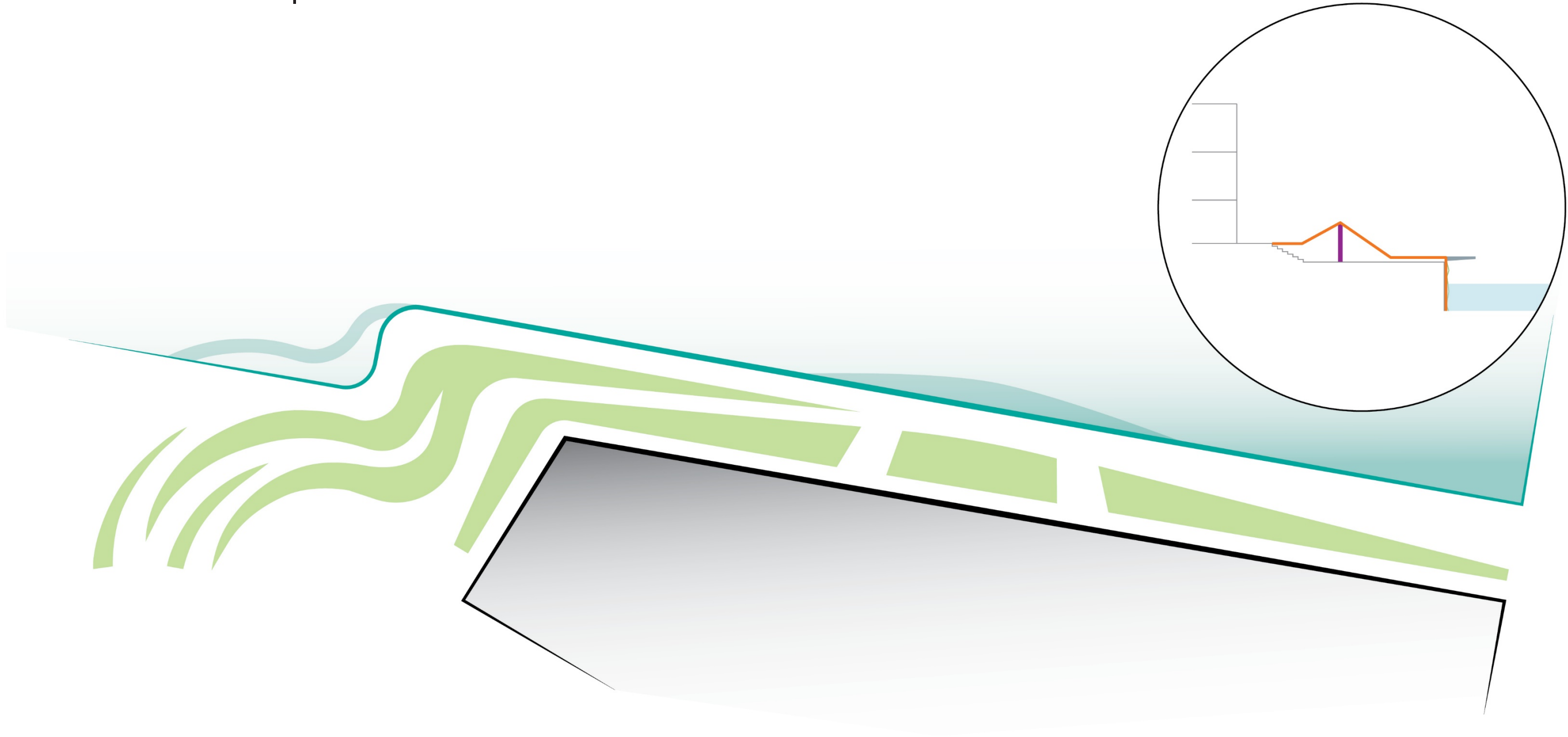


NORTH ESPLANADE PARK
EXTENDING THE PLATFORM

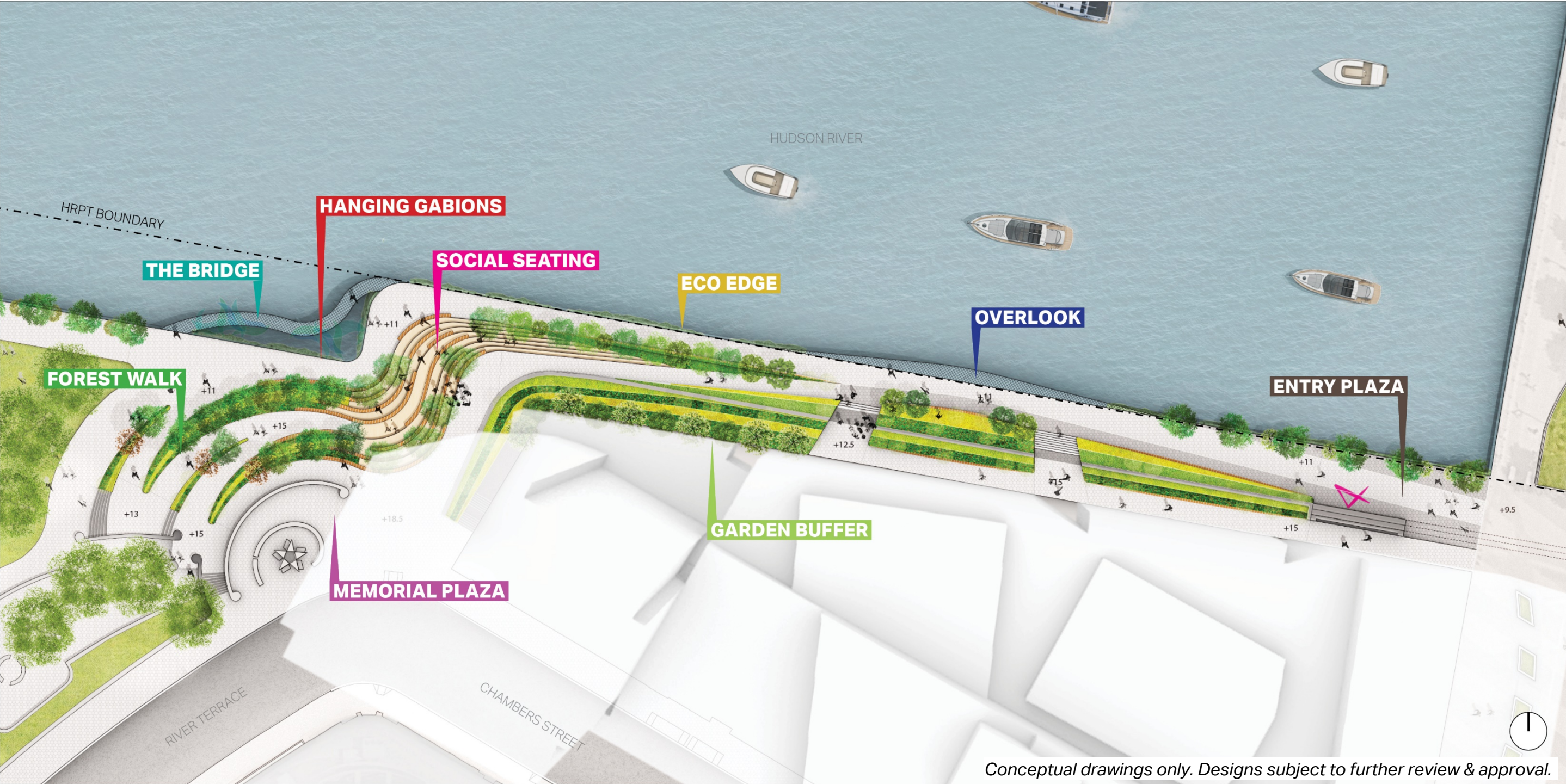
DESIGN APPROACH



RIVER WALK | CONCEPT PLAN

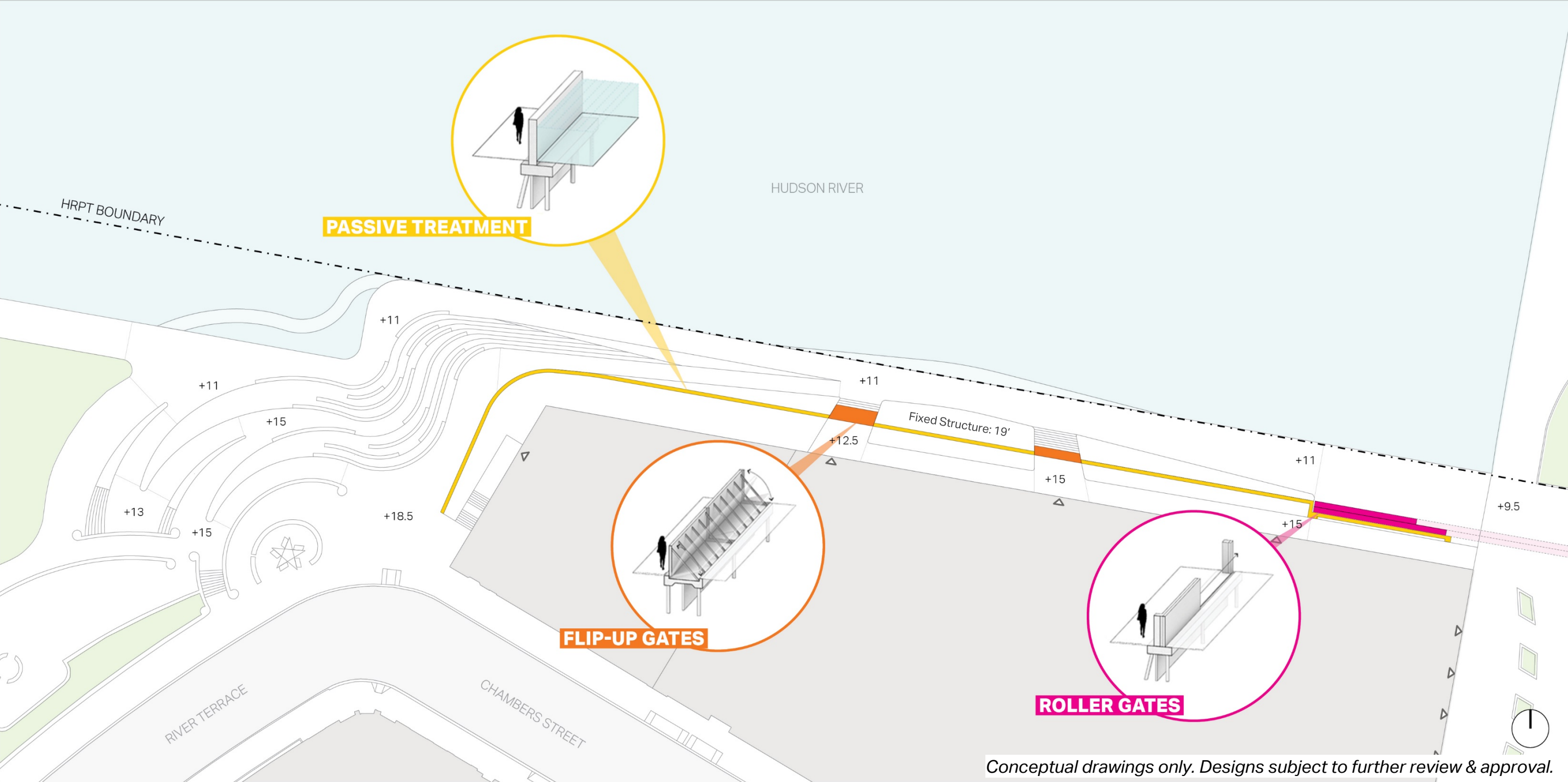


RIVER WALK | LOOK AND FEEL



Conceptual drawings only. Designs subject to further review & approval.

RIVER WALK | METHOD OF PROTECTION

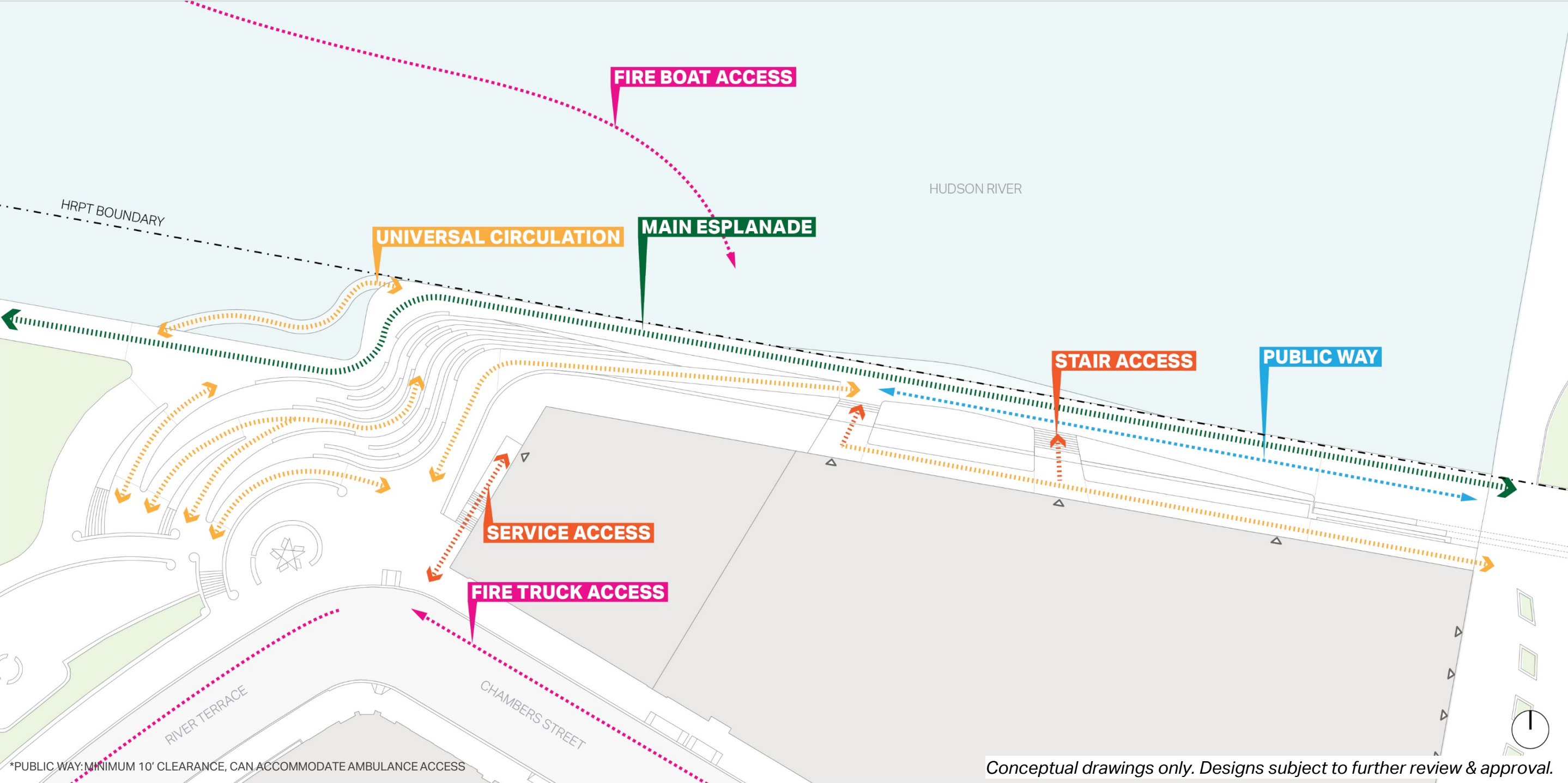


RIVER WALK



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RIVER WALK | CIRCULATION



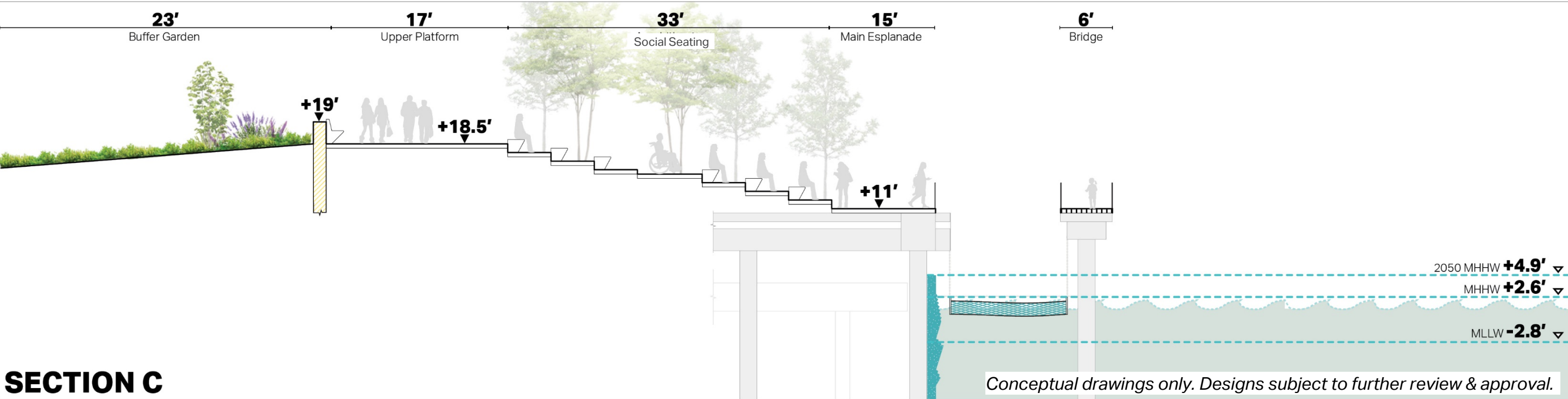
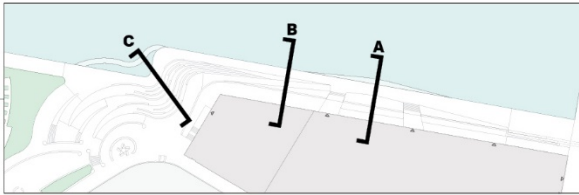
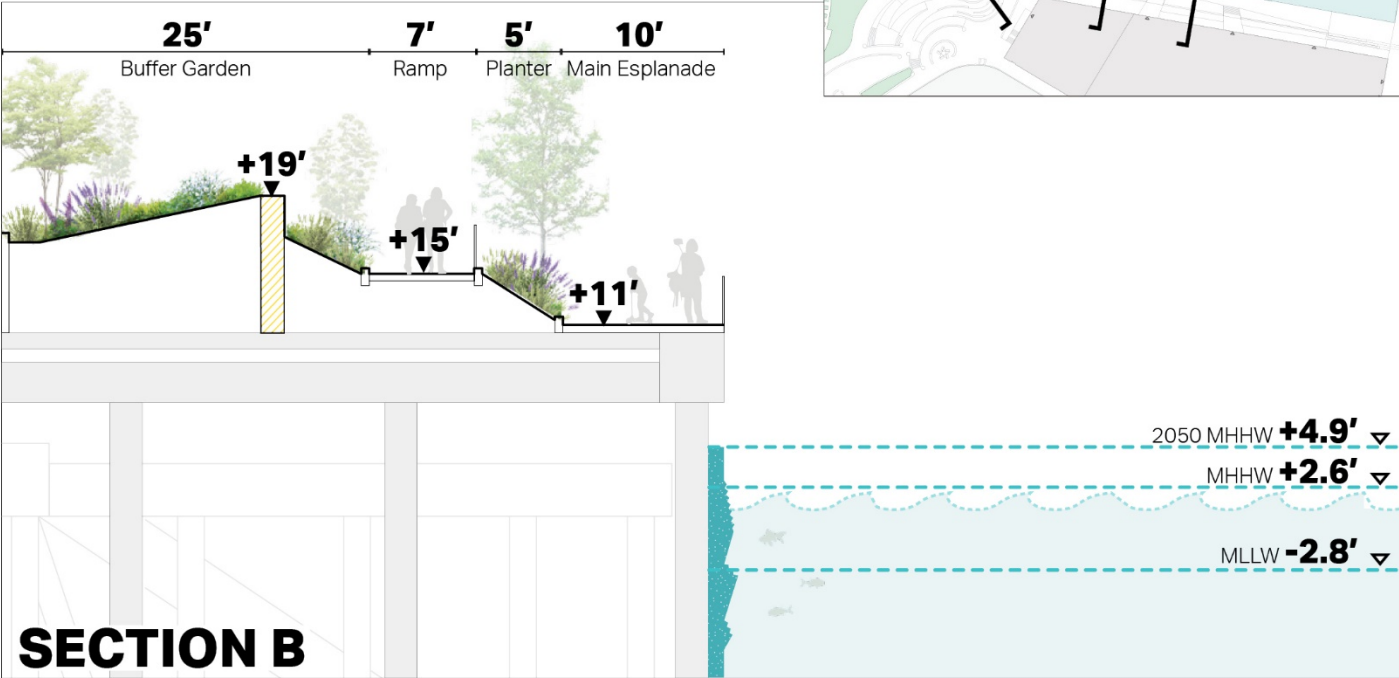
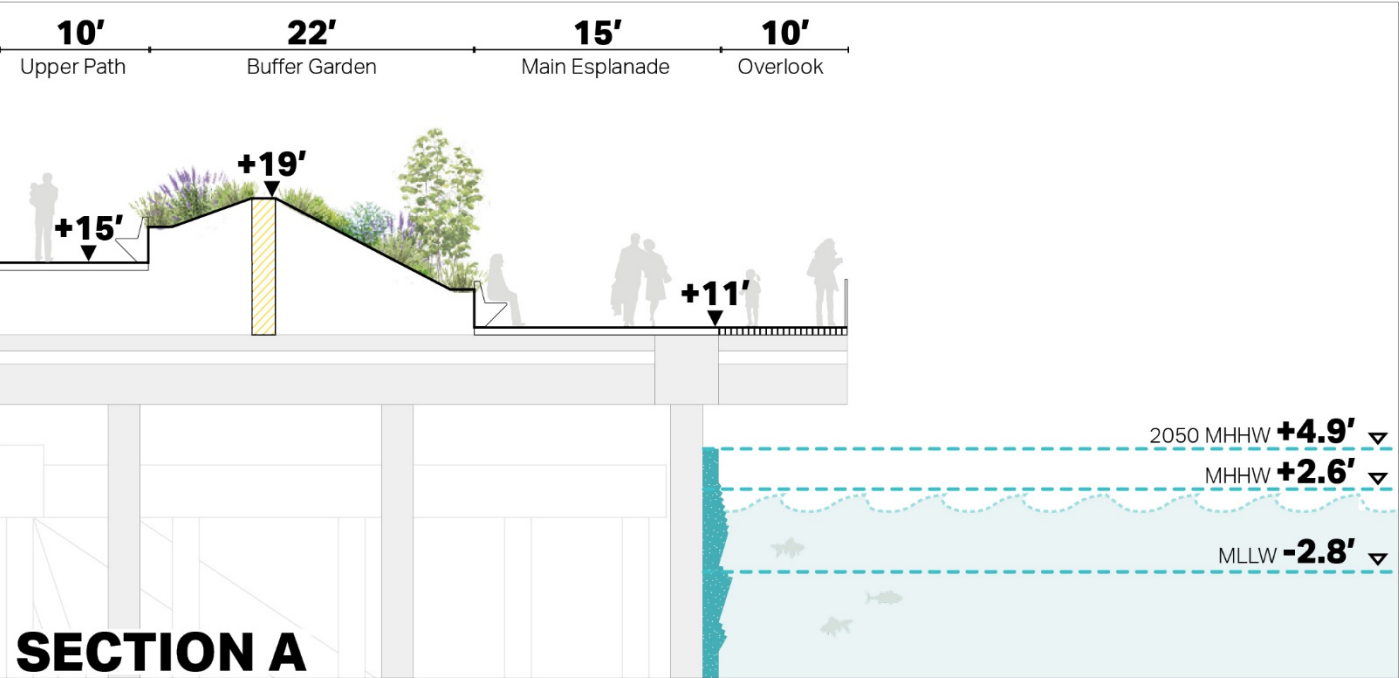
Conceptual drawings only. Designs subject to further review & approval.

RIVER WALK



Conceptual drawings only. Designs subject to further review & approval.

RIVERWALK | SECTIONS



NORTH ESPLANADE PARK | CONCEPT PLAN

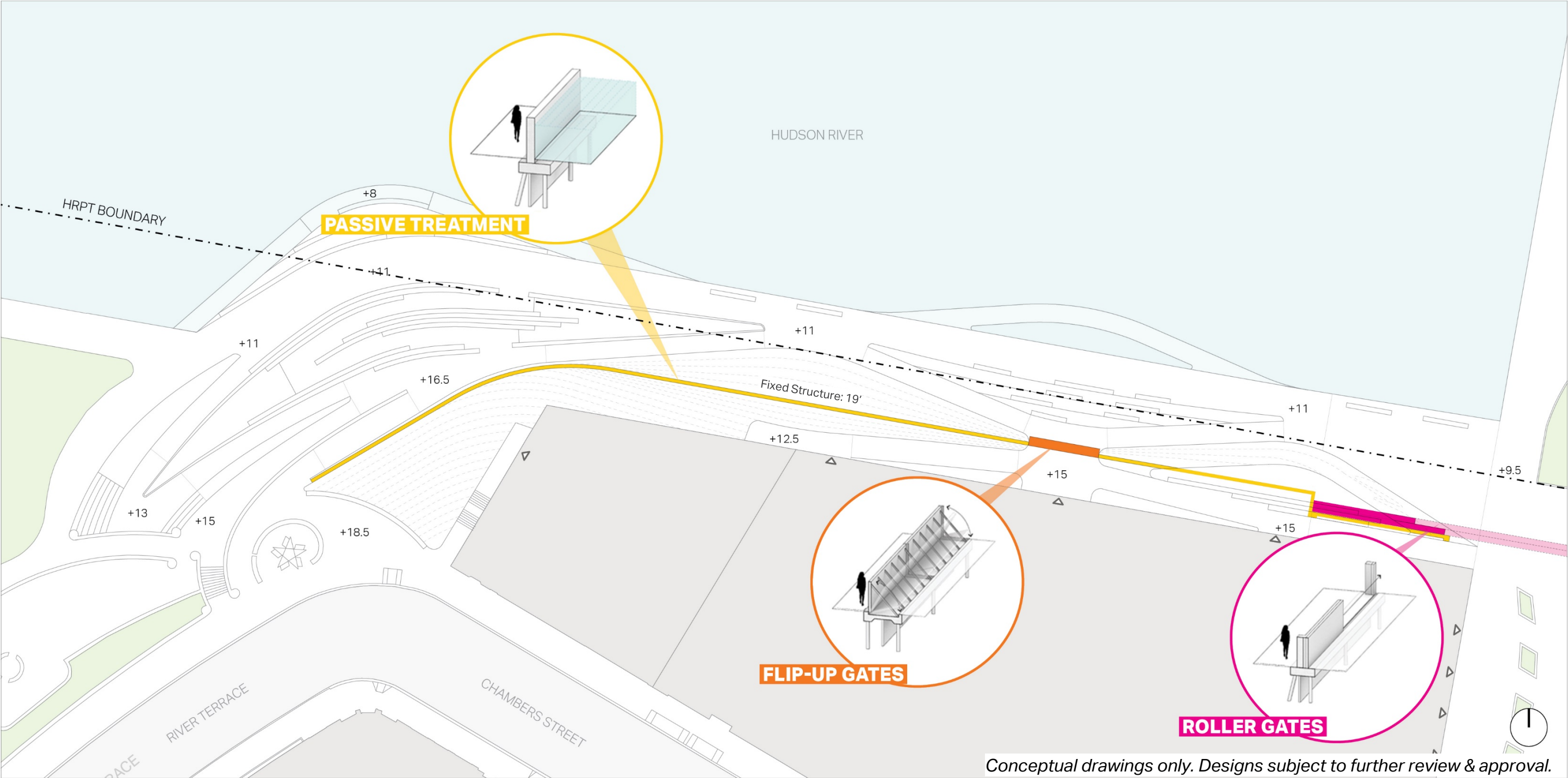


NORTH ESPLANADE PARK | LOOK AND FEEL

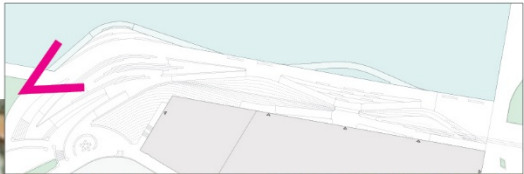


Conceptual drawings only. Designs subject to further review & approval.

NORTH ESPLANADE PARK | METHOD OF PROTECTION

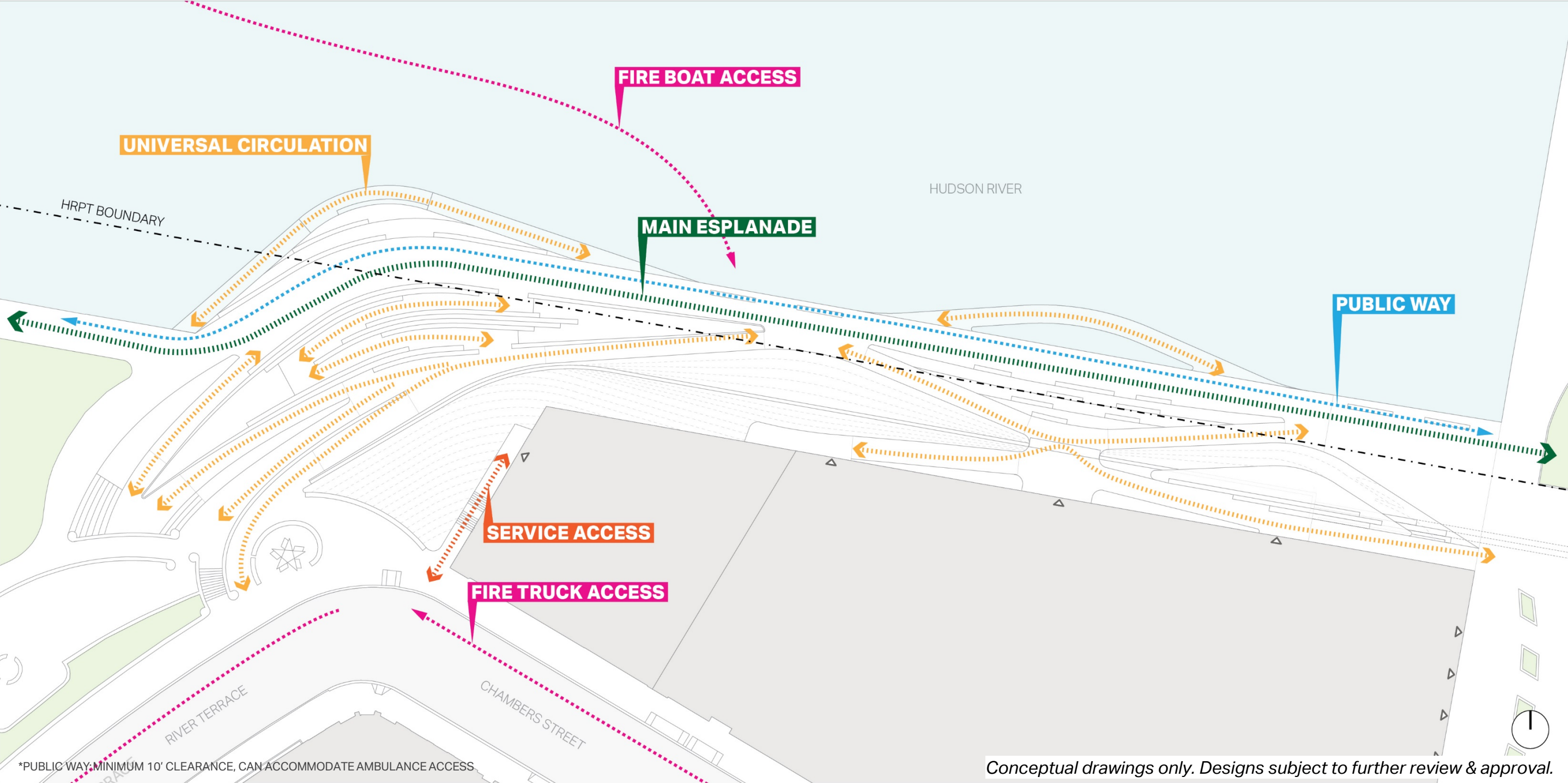


NORTH ESPLANADE PARK



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NORTH ESPLANADE PARK | CIRCULATION



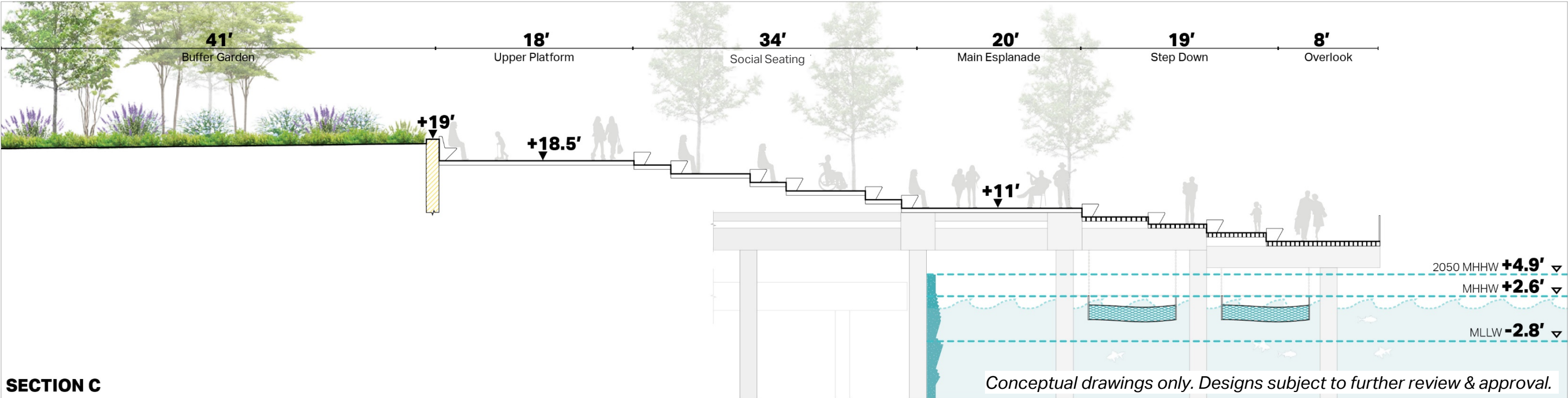
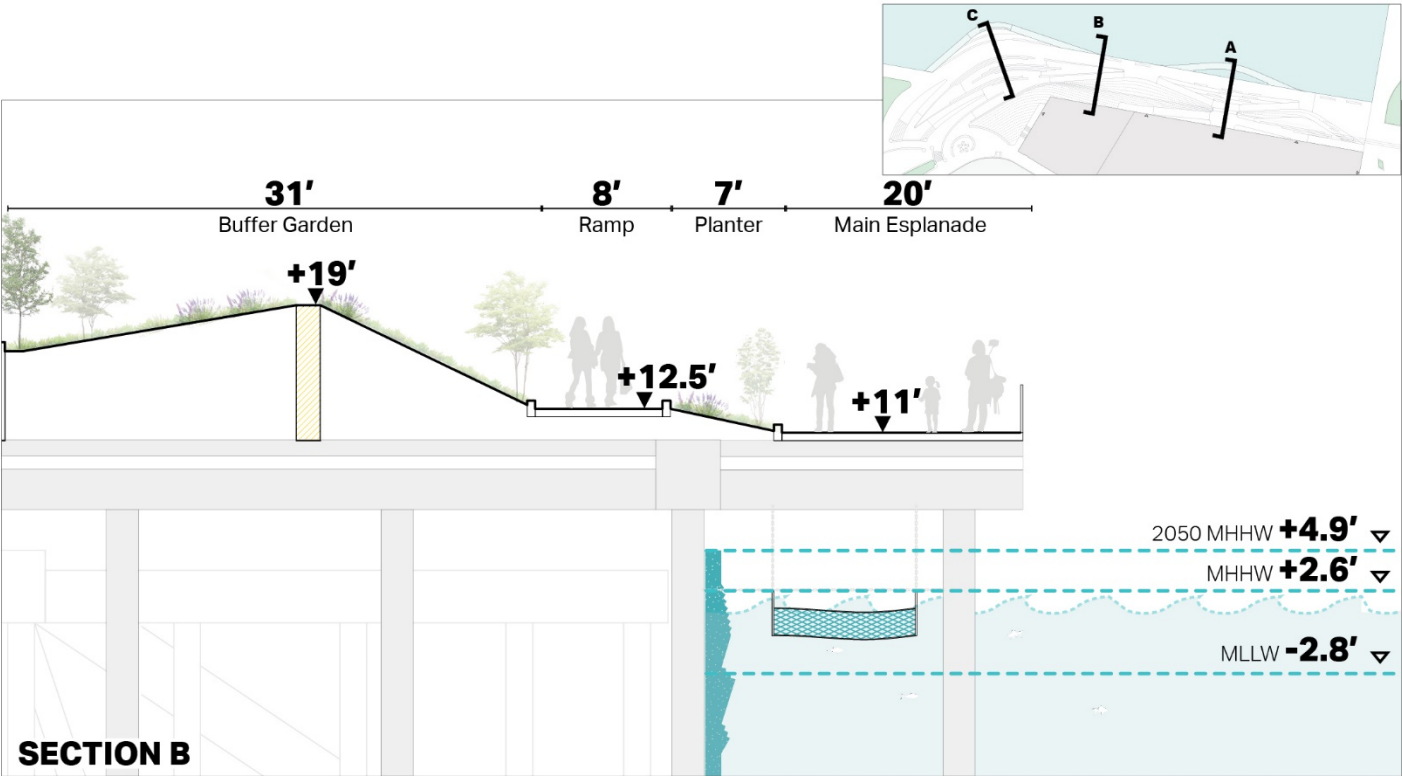
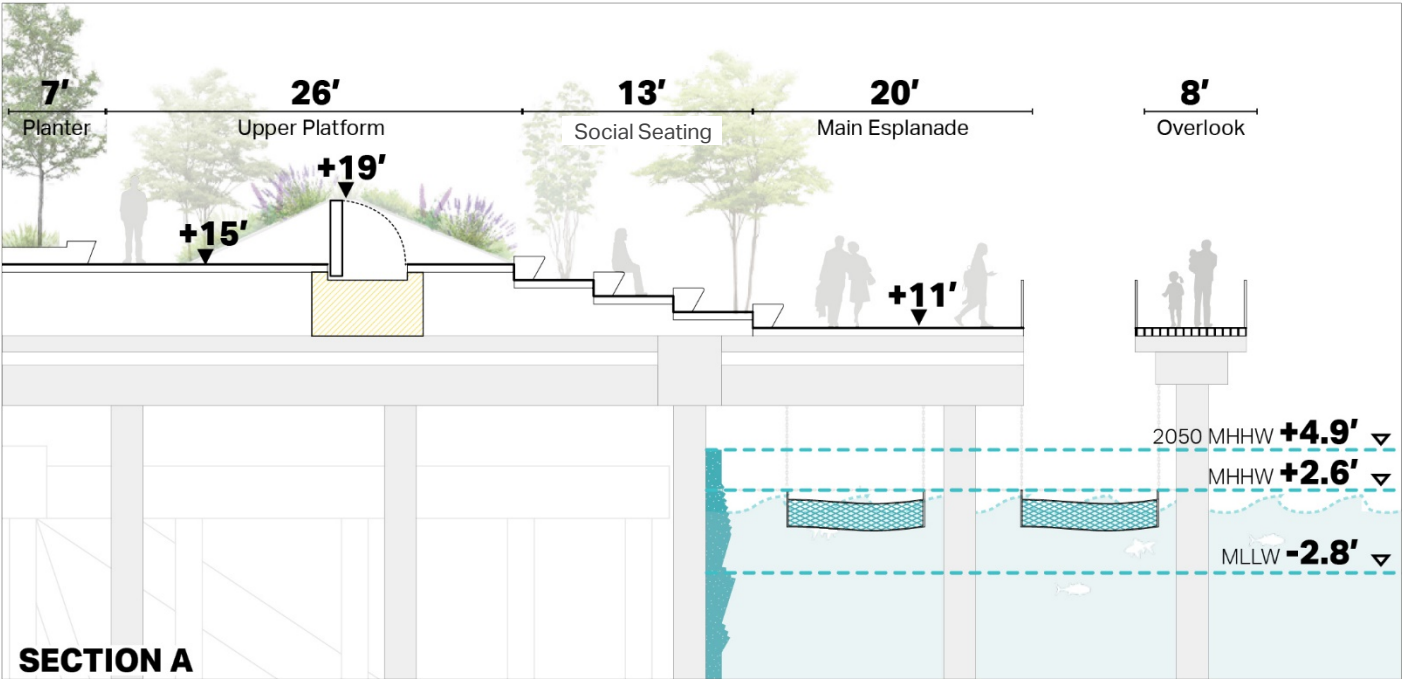
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NORTH ESPLANADE PARK



Conceptual drawings only. Designs subject to further review & approval.

NORTH ESPLANADE PARK | SECTIONS



NORTH ESPLANADE | THE OPTIONS



RIVER WALK

MAINTAINING EXISTING FOOTPRINT



FLOOD RISK REDUCTION

- Passive treatment
- 2 Roller gates
- 2 Flip-up gates



CIRCULATION

- Ambulance access along one half of the esplanade
- Universal access and experience:
 - Esplanade
 - Ramp to Stuyvesant
 - Forest Walk
- Companion seating on two amphitheater levels



PUBLIC SPACE

- Buffer garden with linear plantings
- Forest walk



ECOLOGY

- Hanging gabions
- Eco-edge



NORTH ESPLANADE PARK

EXTENDING THE PLATFORM



FLOOD RISK REDUCTION

- Passive treatment
- 2 Roller gates
- 1 Flip-up gates



CIRCULATION

- Ambulance access along the esplanade
- Universal access and experience:
 - Esplanade
 - Amphitheater circulation and seating
 - Ramps adjacent to each Stuyvesant exit
 - Outdoor classroom seating
 - Forest Walk



PUBLIC SPACE

- Buffer garden with trees and larger plantings
- Forest walk
- Amphitheater shading
- Esplanade tree planting



ECOLOGY

- Hanging gabions
- Eco-edge

NORTH ESPLANADE | THE OPTIONS



RIVER WALK

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NORTH ESPLANADE PARK

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ECOLOGY

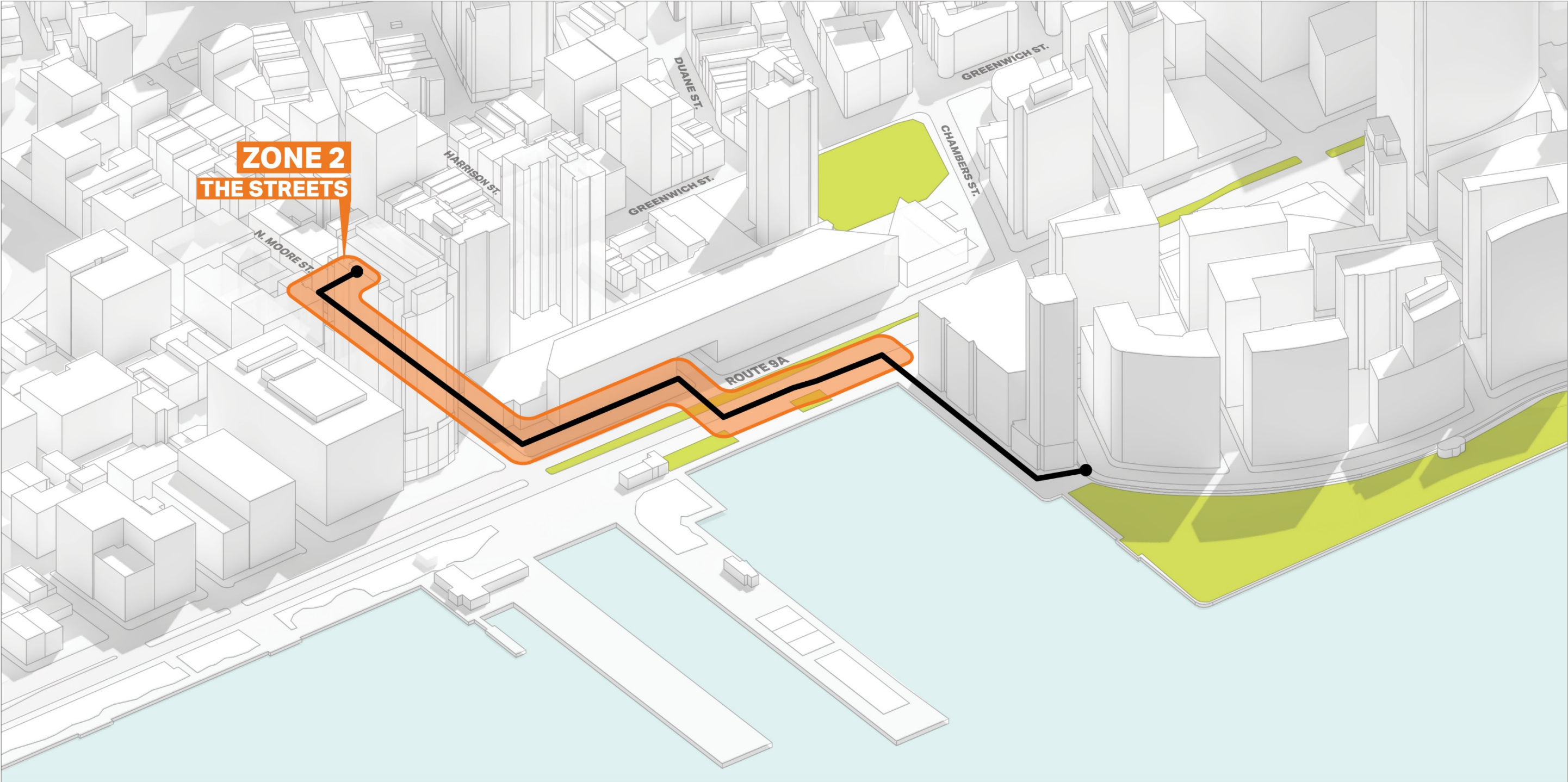
- Hanging gabions
- Eco-edge

ZONE 2

THE STREETS

- THE NORTH MOORE ALIGNMENT
- DESIGN INSPIRATION
- DESIGN CONCEPT
- DESIGN AREAS
 - ESPLANADE CONNECTION
 - BIKE PATH
 - CROSSINGS
 - VERTICAL APPLICATION
 - PLAZA

THE NORTH MOORE ALIGNMENT

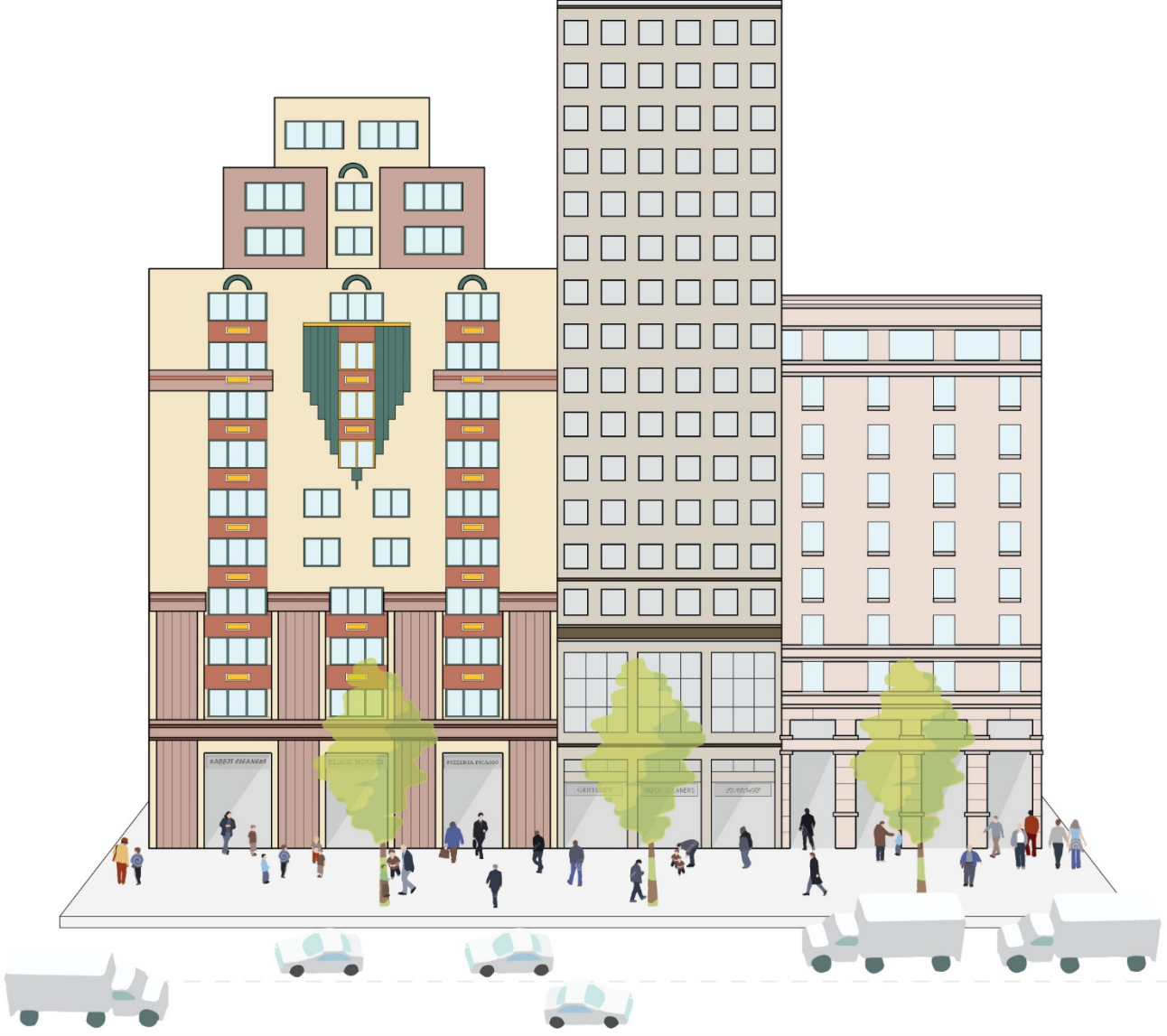


DESIGN INSPIRATION

NYC NEIGHBORHOODS



TRIBECA



BATTERY PARK CITY

TRIBECA NEIGHBORHOOD | CHARACTER



TRIBECA NEIGHBORHOOD | TEXTURES + MATERIALS



TRIBECA NEIGHBORHOOD | TEXTURES + MATERIALS



TRIBECA NEIGHBORHOOD | TEXTURES + MATERIALS

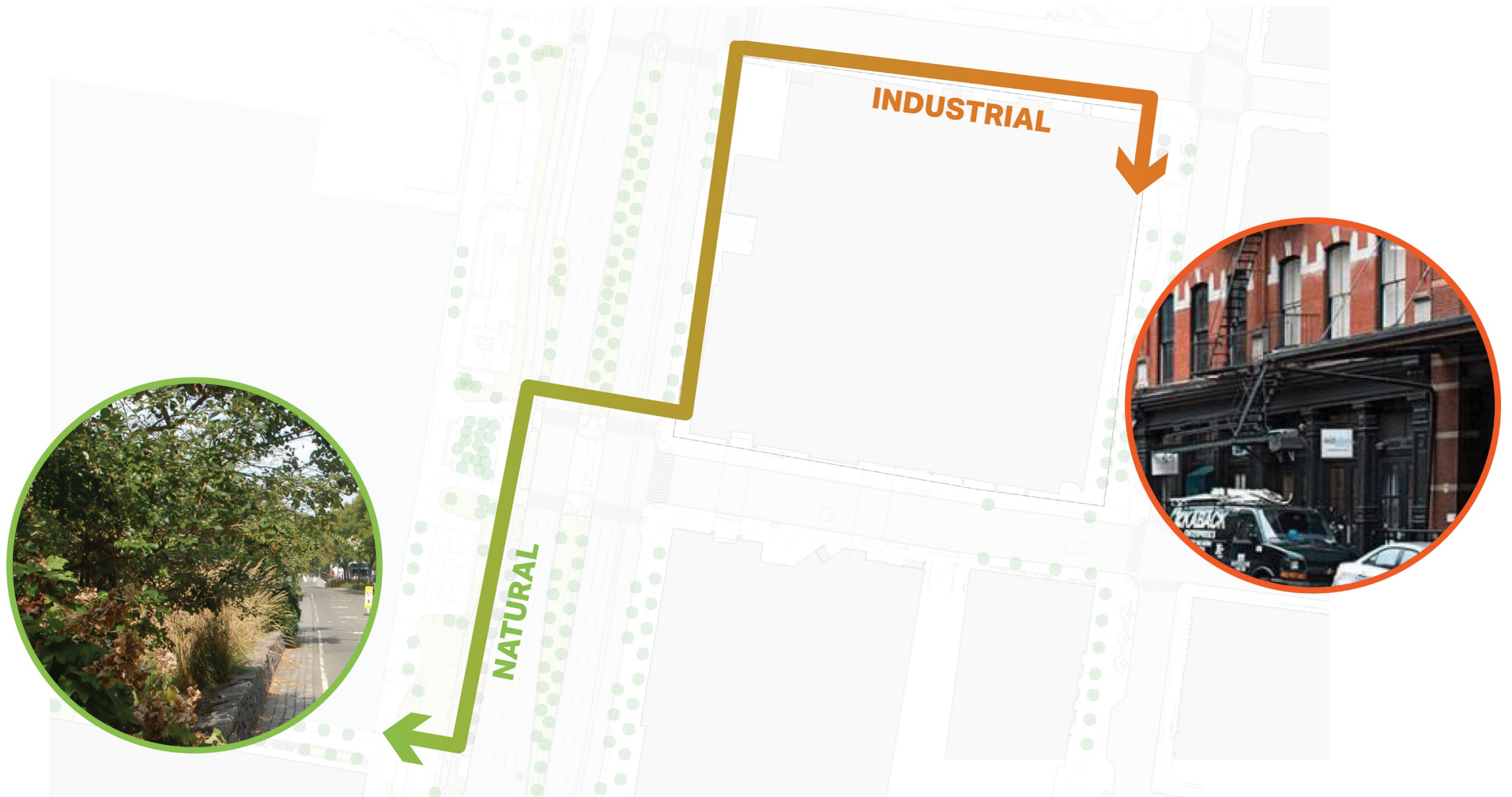


TRIBECA NEIGHBORHOOD | TEXTURES + MATERIALS

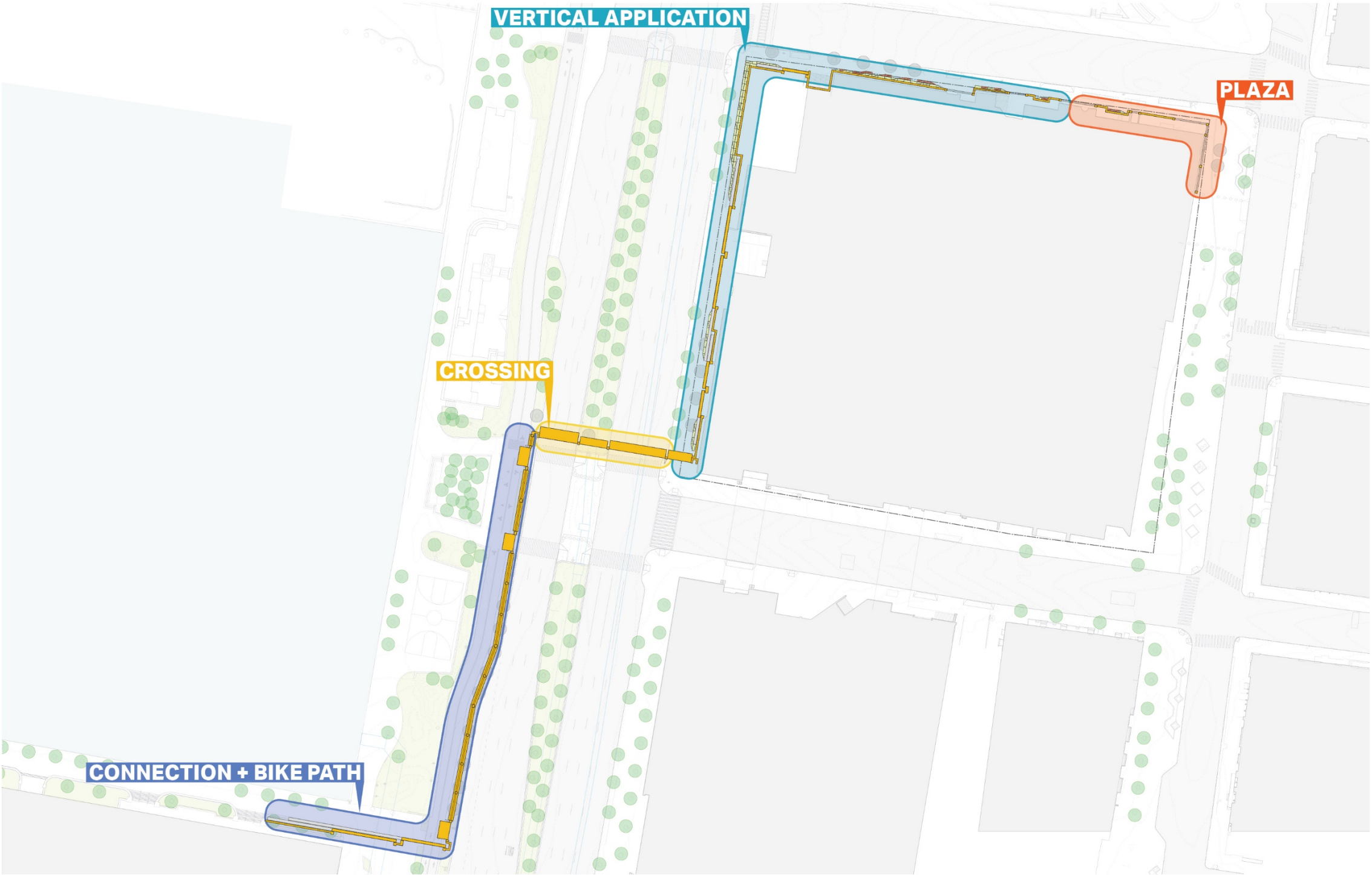


**DESIGN
CONCEPT**

THE BIG MOVE



THE ZONE 2 AREAS



THE SITE CHARACTER

CONNECTION
+ BIKE PATH



ACTIVE
MIXED
HARDSCAPE
NATURAL

CROSSING



ROADWAY
VISUAL
MARKER

VERTICAL
APPLICATION



BACK-OF-HOUSE
WALLED
OFF

PLAZA



MIXED USE
PASSIVE
RECREATION
SHADED

THE PROGRAMMATIC RESPONSE

CONNECTION + BIKE PATH



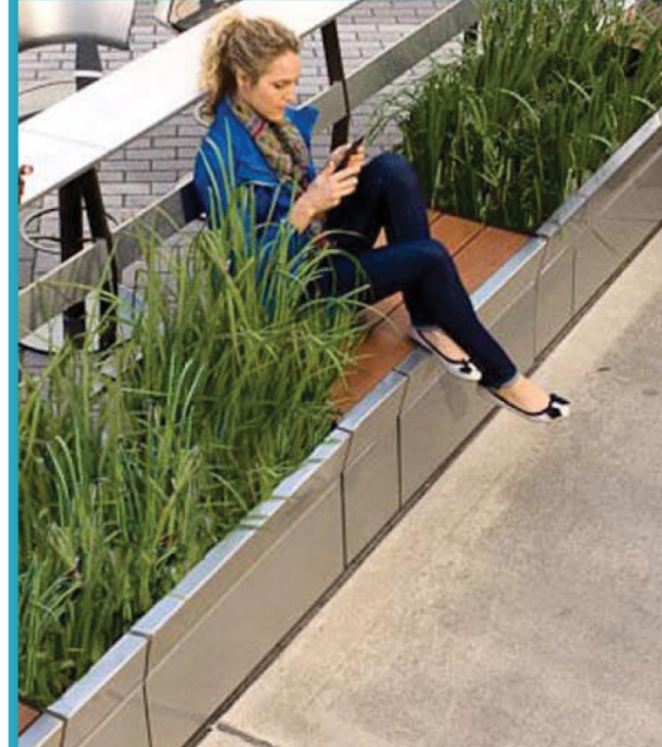
**LANDMARK
MURAL
TRELLIS**

CROSSING



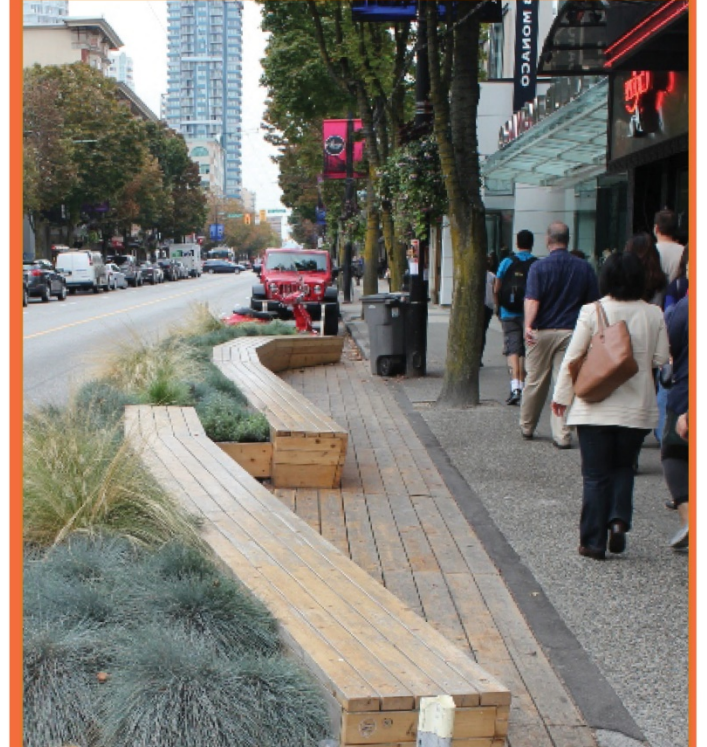
**VERTICAL
SCULPTURE**

VERTICAL APPLICATION



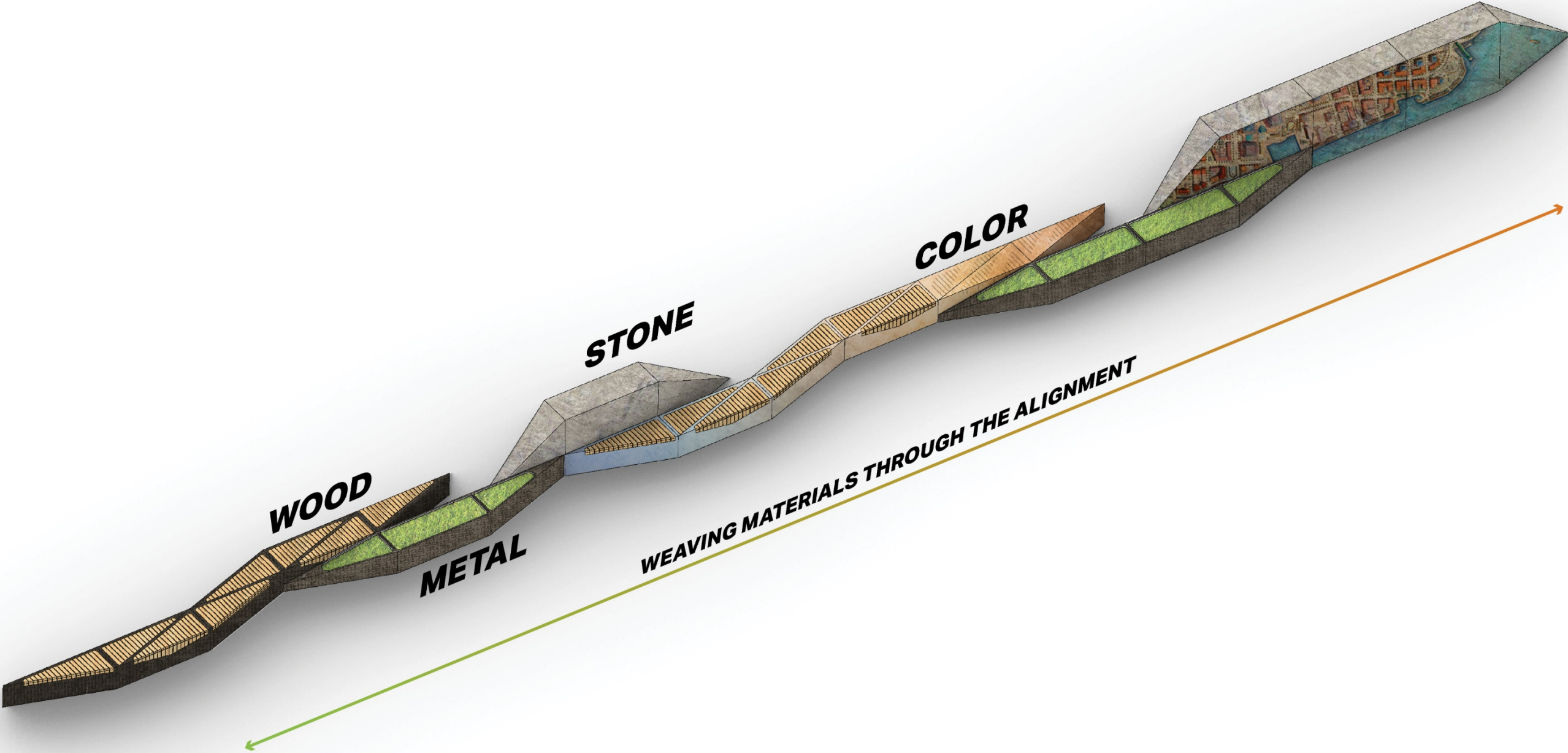
**SCREENING
PLANTING
SIGNAGE
SEATING**

PLAZA

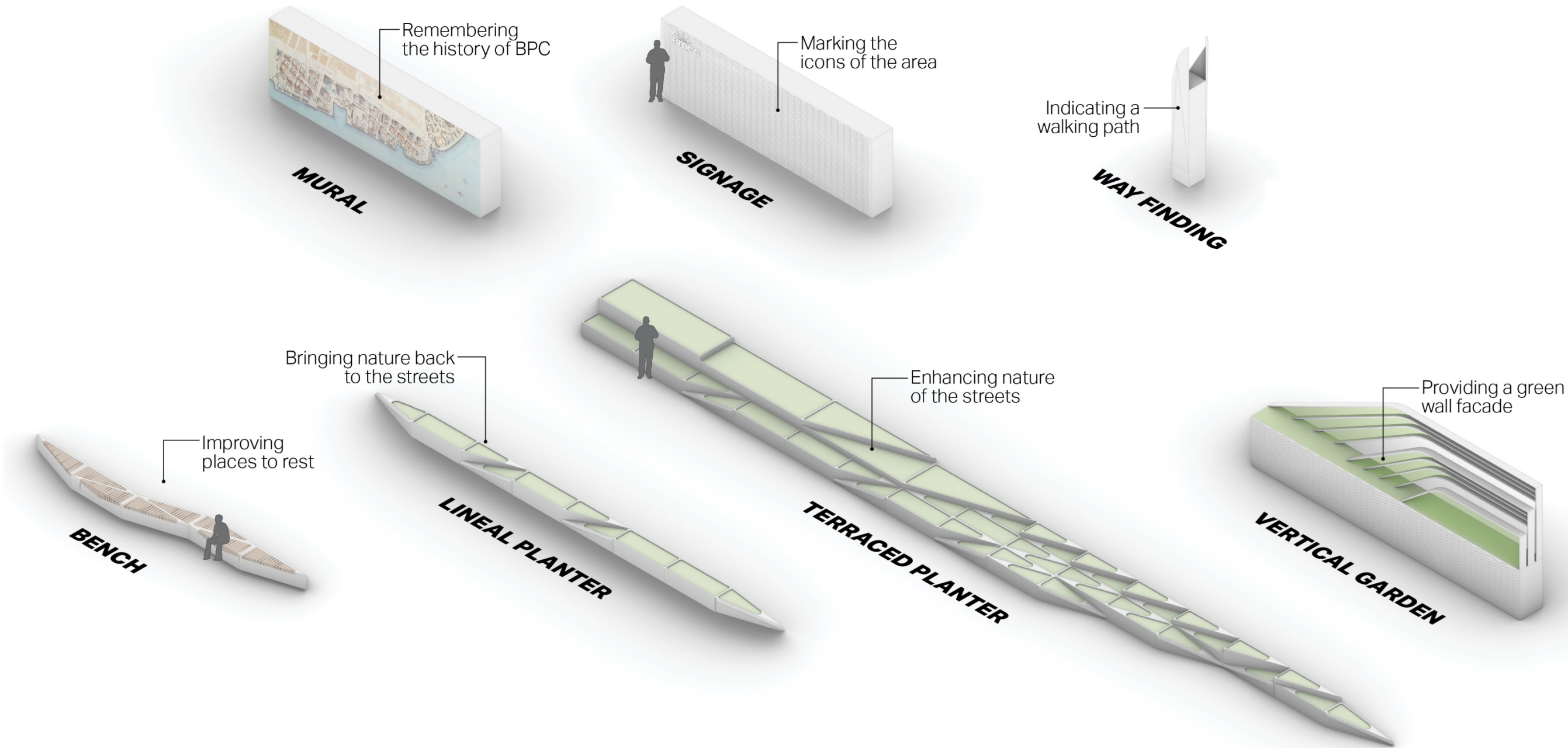


**PLANTING
SEATING**

THE DESIGN CONCEPT

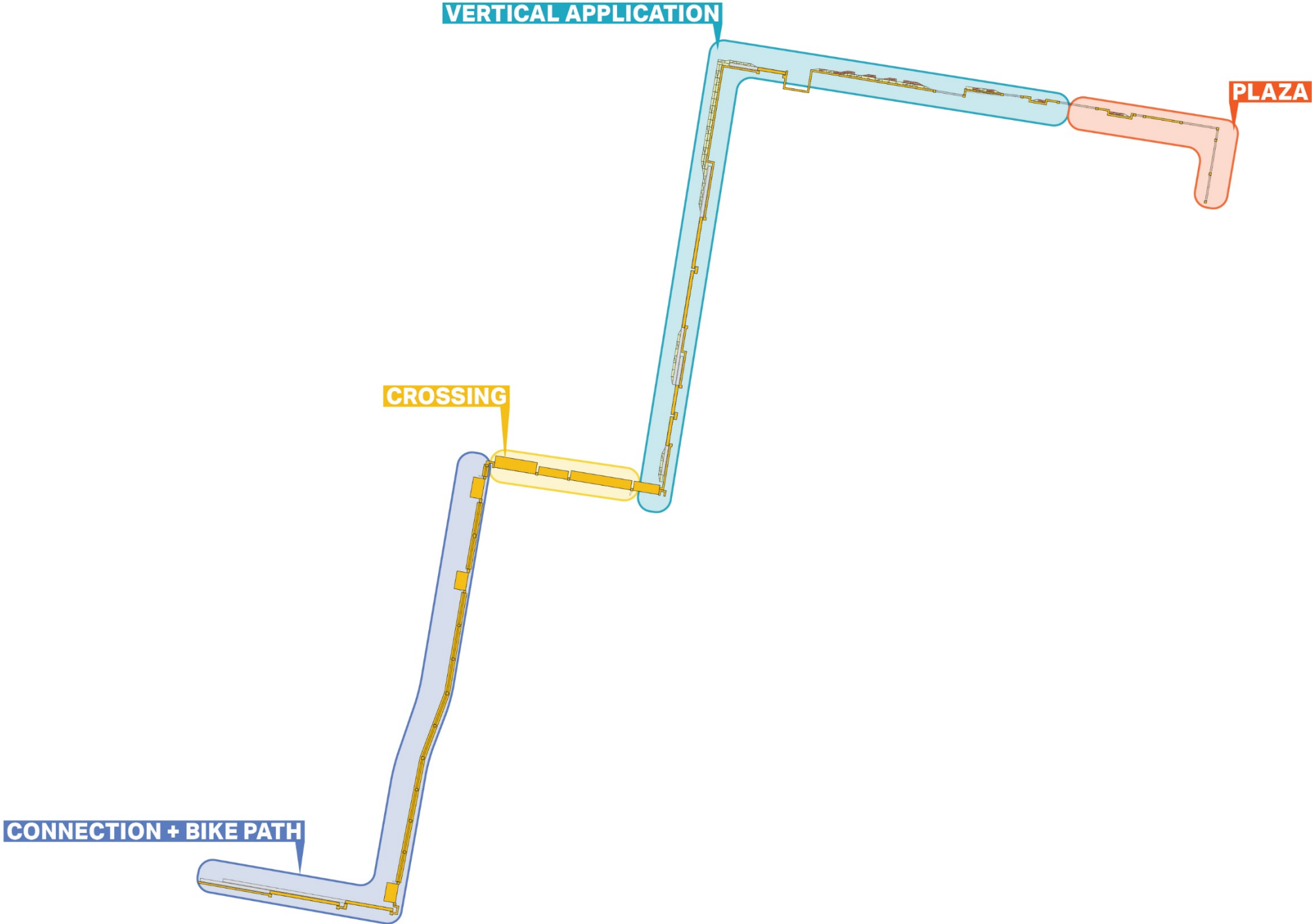


THE DESIGN CONCEPT | TOOLKIT



DESIGN AREAS

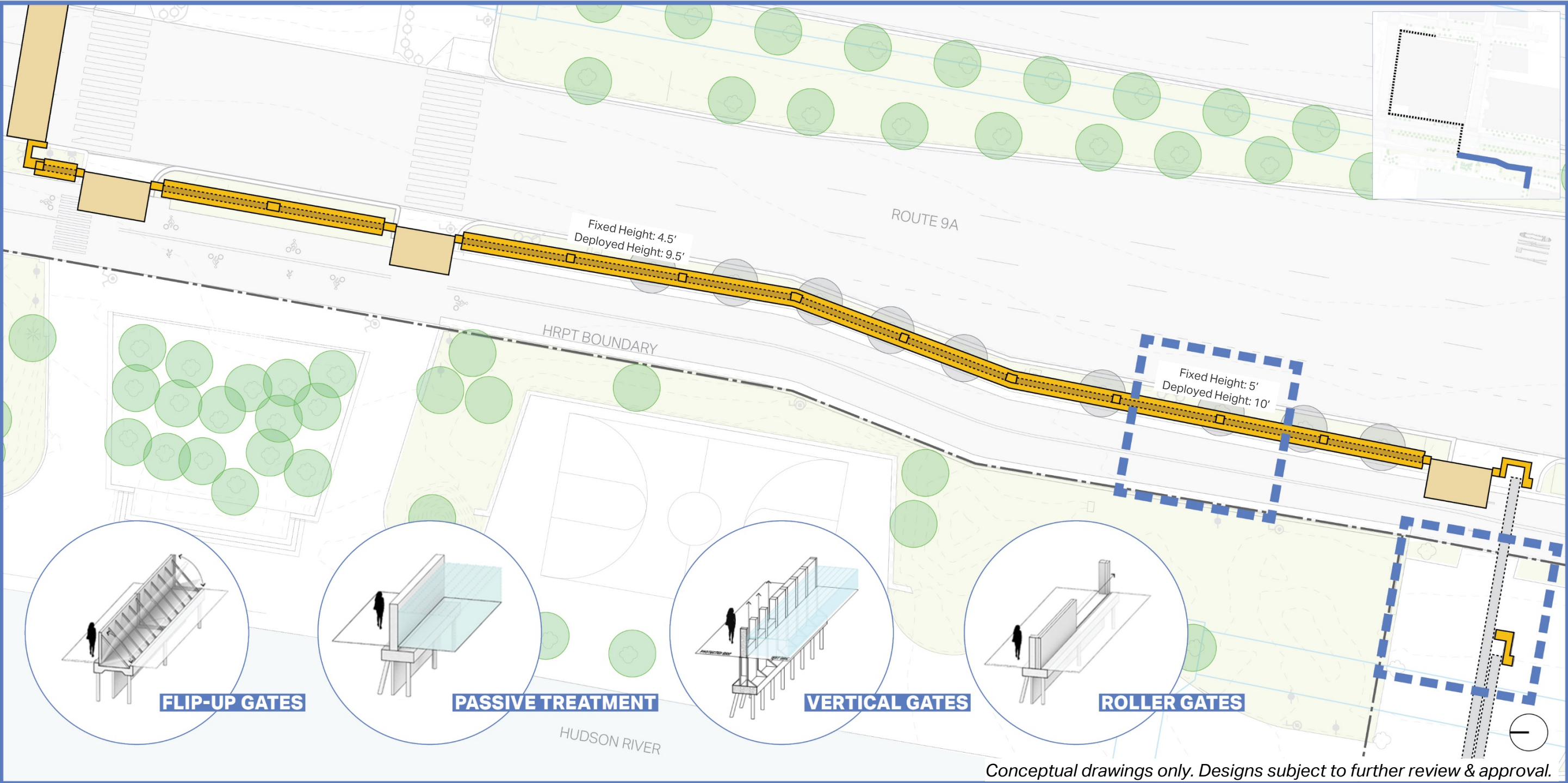
THE ALIGNMENT | DESIGN AREAS



CONNECTION + BIKE PATH | EXISTING CONDITIONS



CONNECTION + BIKE PATH | METHOD OF PROTECTION

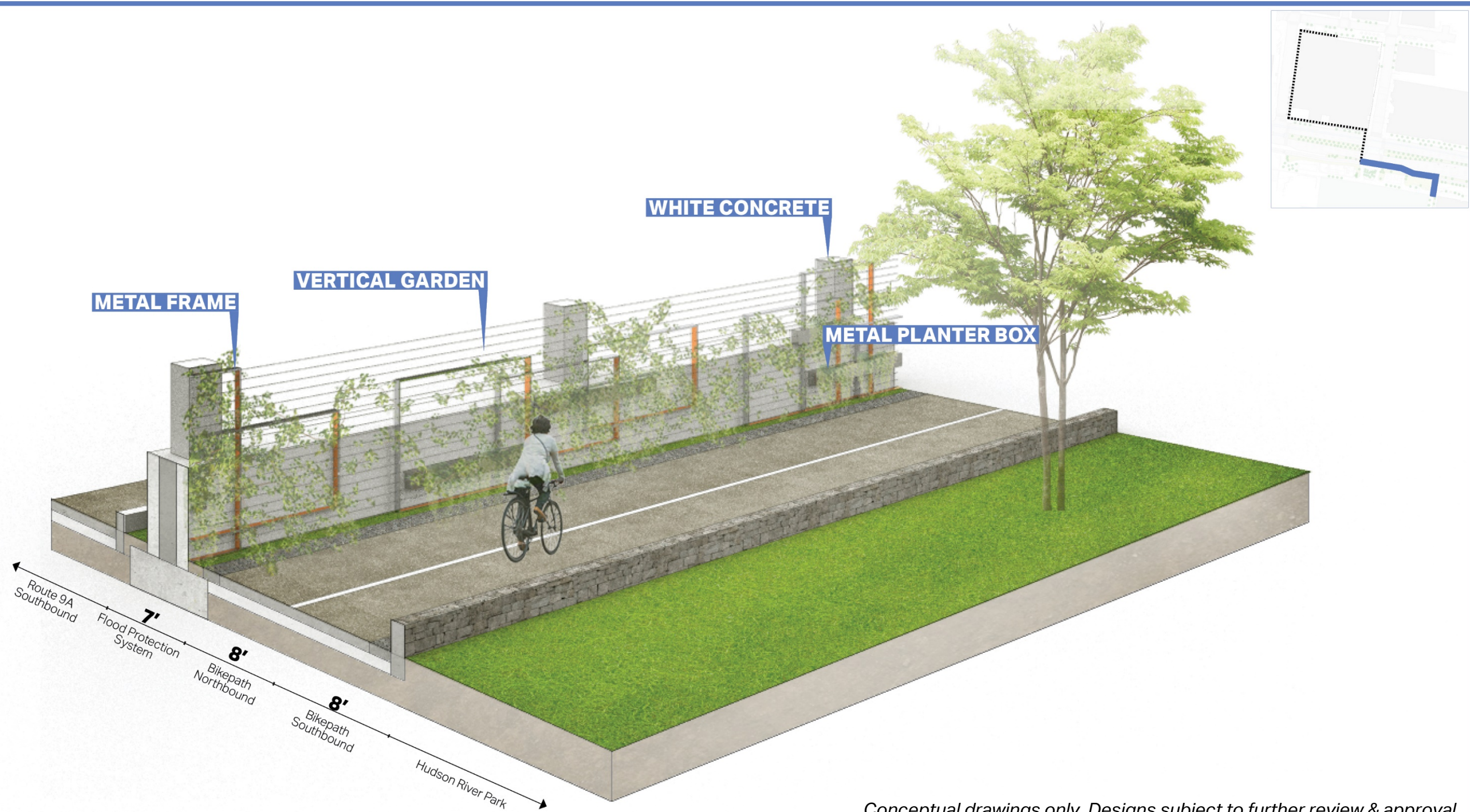


CONNECTION + BIKE PATH | PUBLIC REALM



Conceptual drawings only. Designs subject to further review & approval.

CONNECTION + BIKE PATH | MATERIALITY

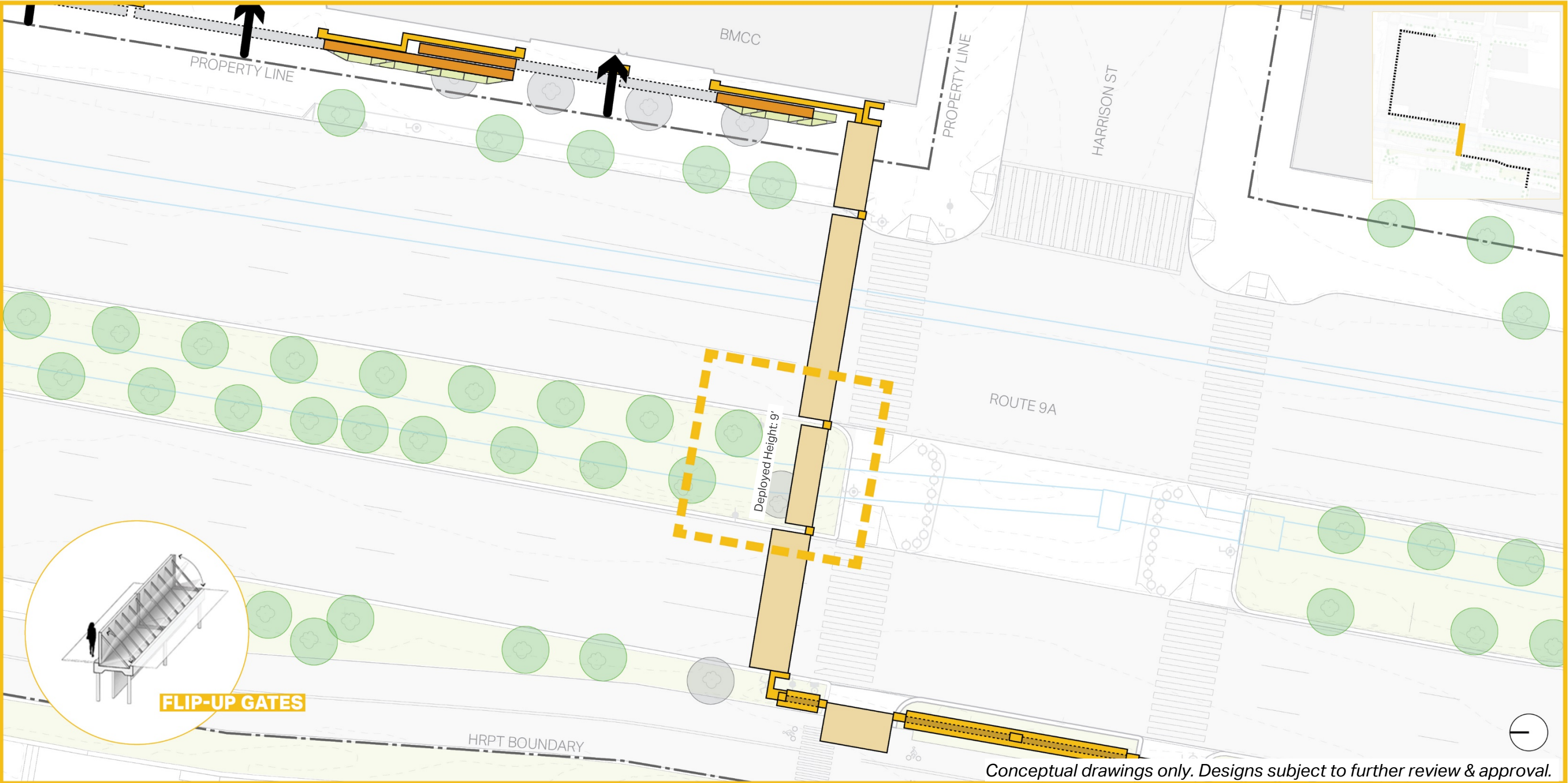


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CROSSING | EXISTING CONDITIONS



CROSSING | METHOD OF PROTECTION



CROSSING | PUBLIC REALM



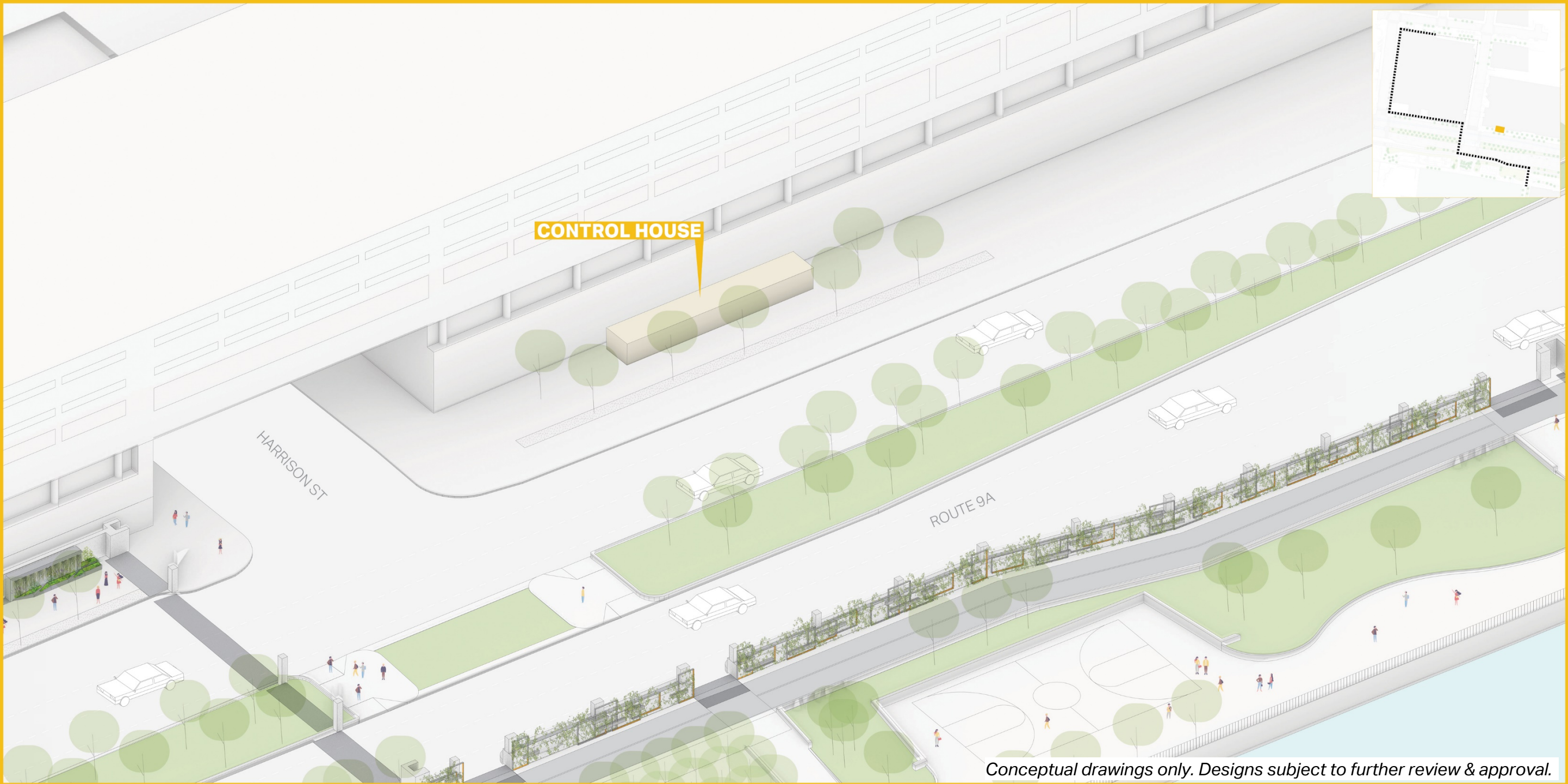
Conceptual drawings only. Designs subject to further review & approval.

CROSSING | MATERIALITY



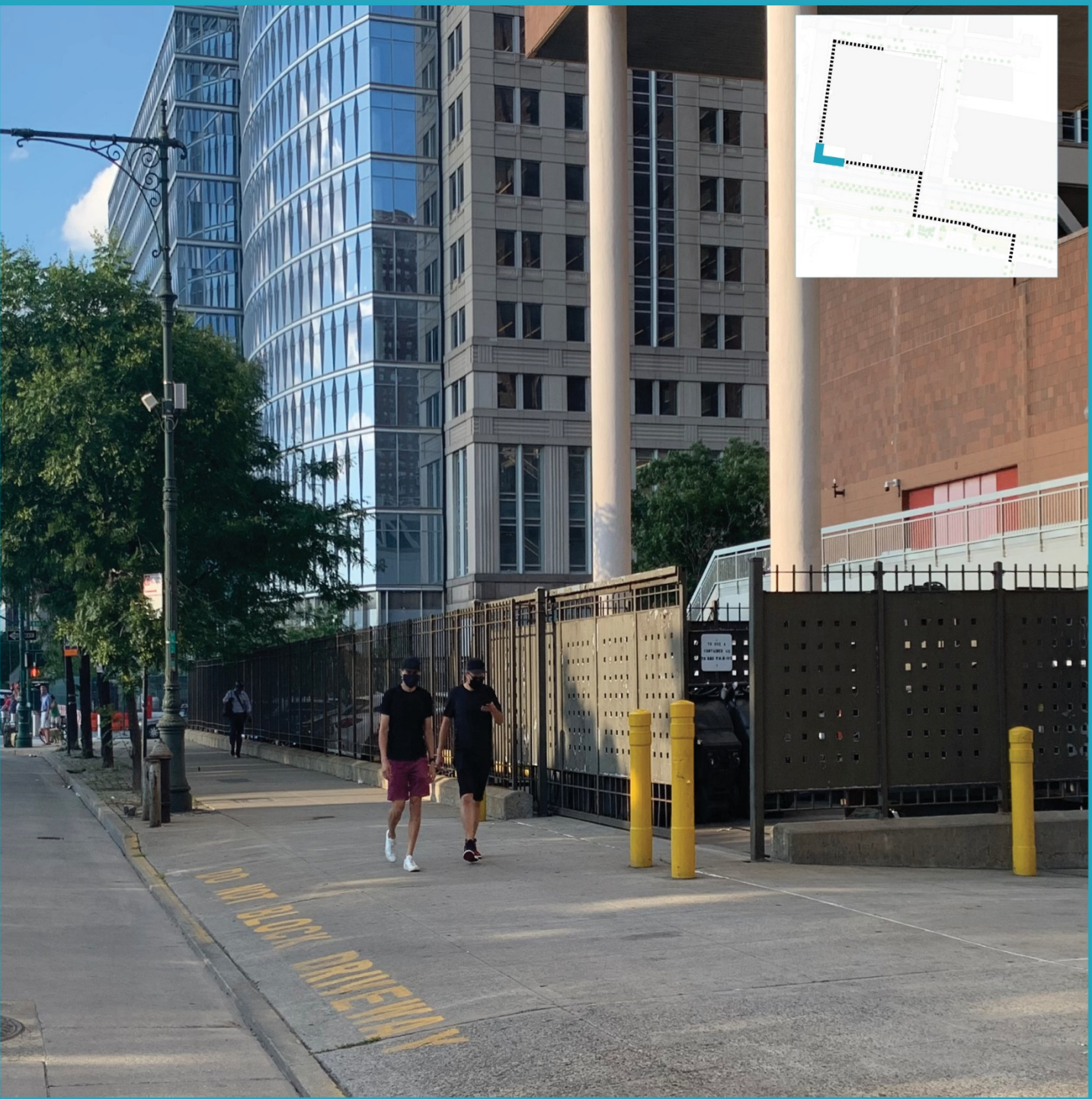
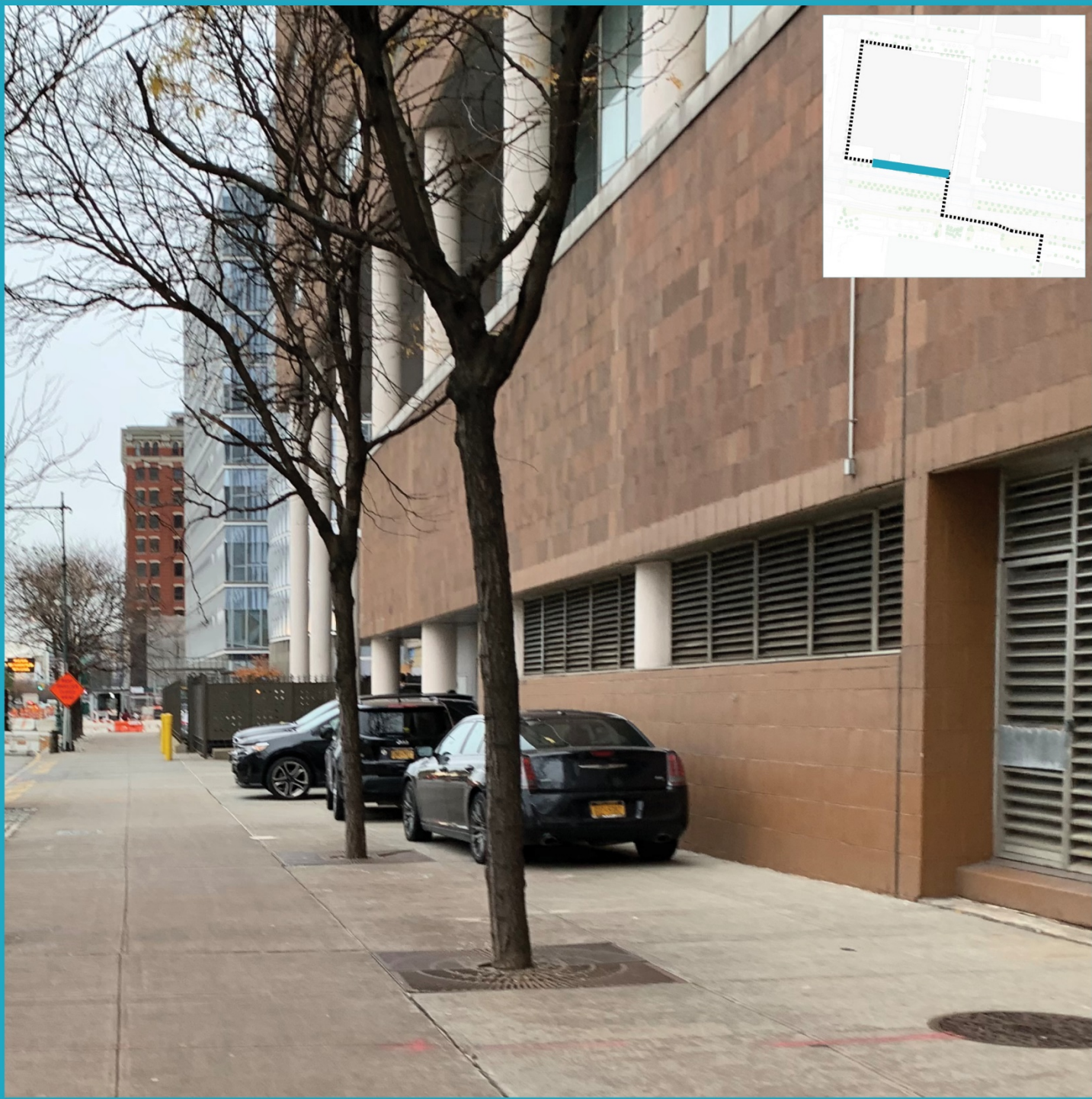
Conceptual drawings only. Designs subject to further review & approval.

CROSSING | CONTROL HOUSE

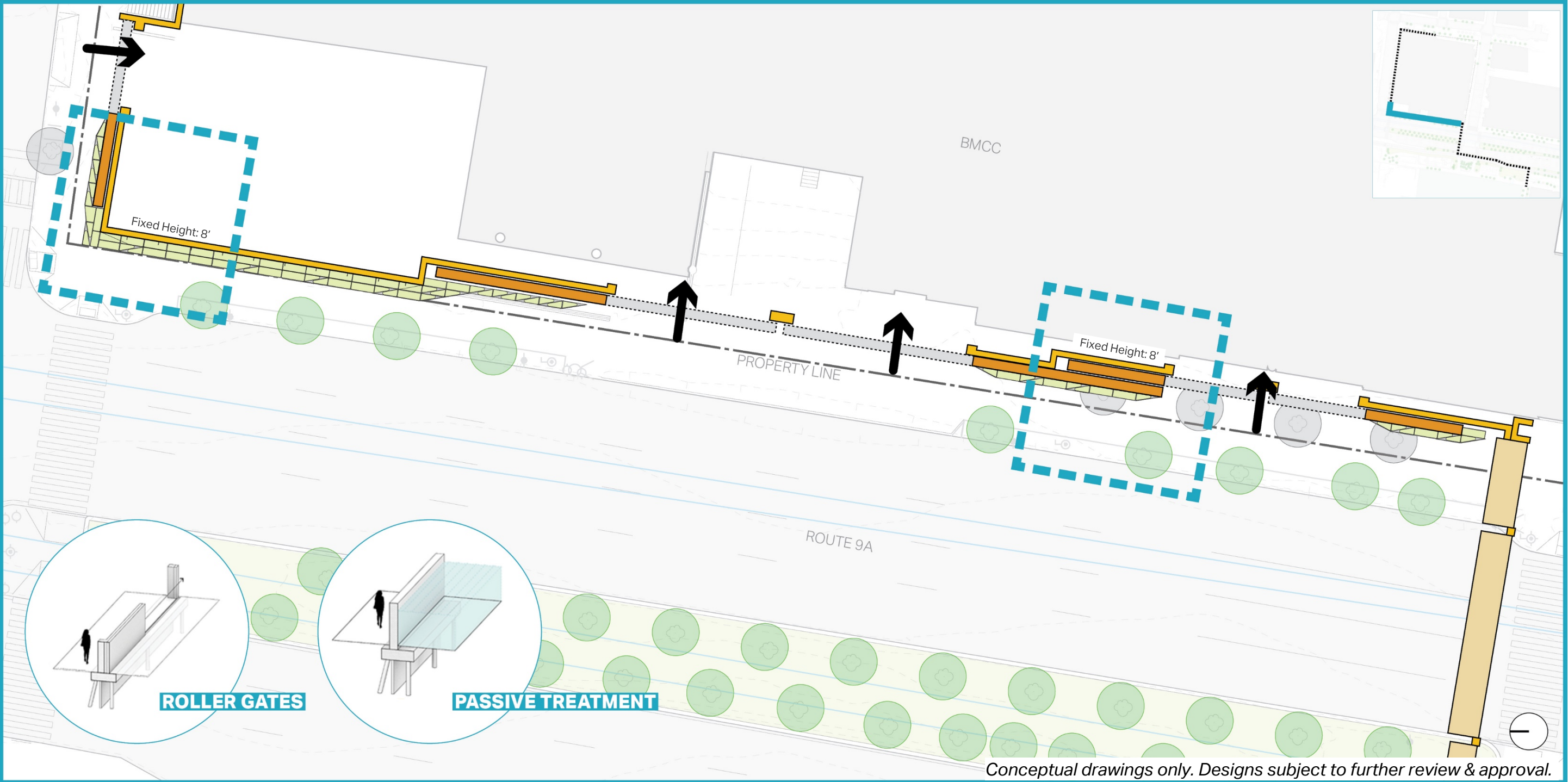


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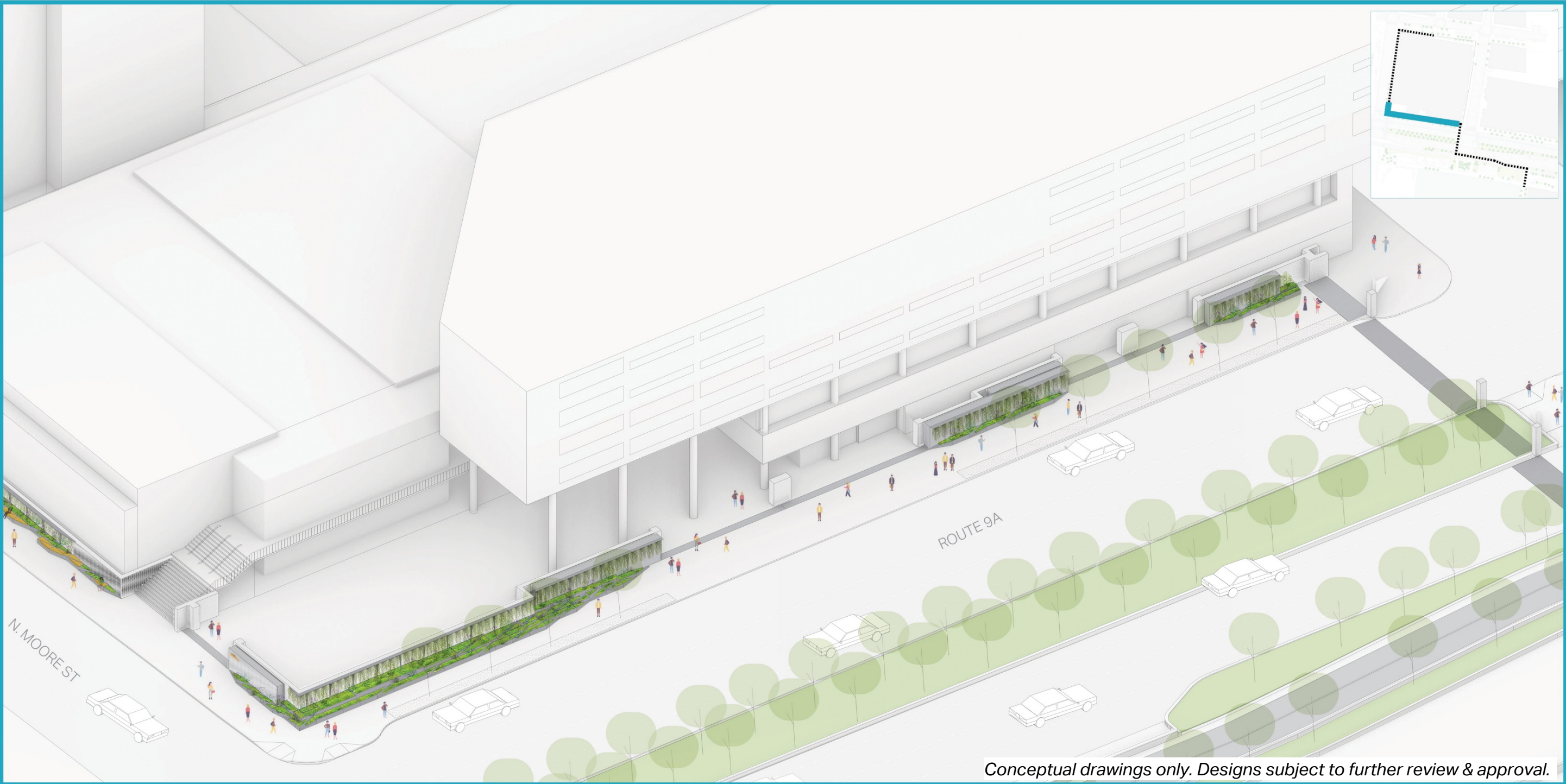
VERTICAL APPLICATION | EXISTING CONDITIONS



VERTICAL APPLICATION | METHOD OF PROTECTION



VERTICAL APPLICATION | PUBLIC REALM



VERTICAL APPLICATION | LOOK & FEEL



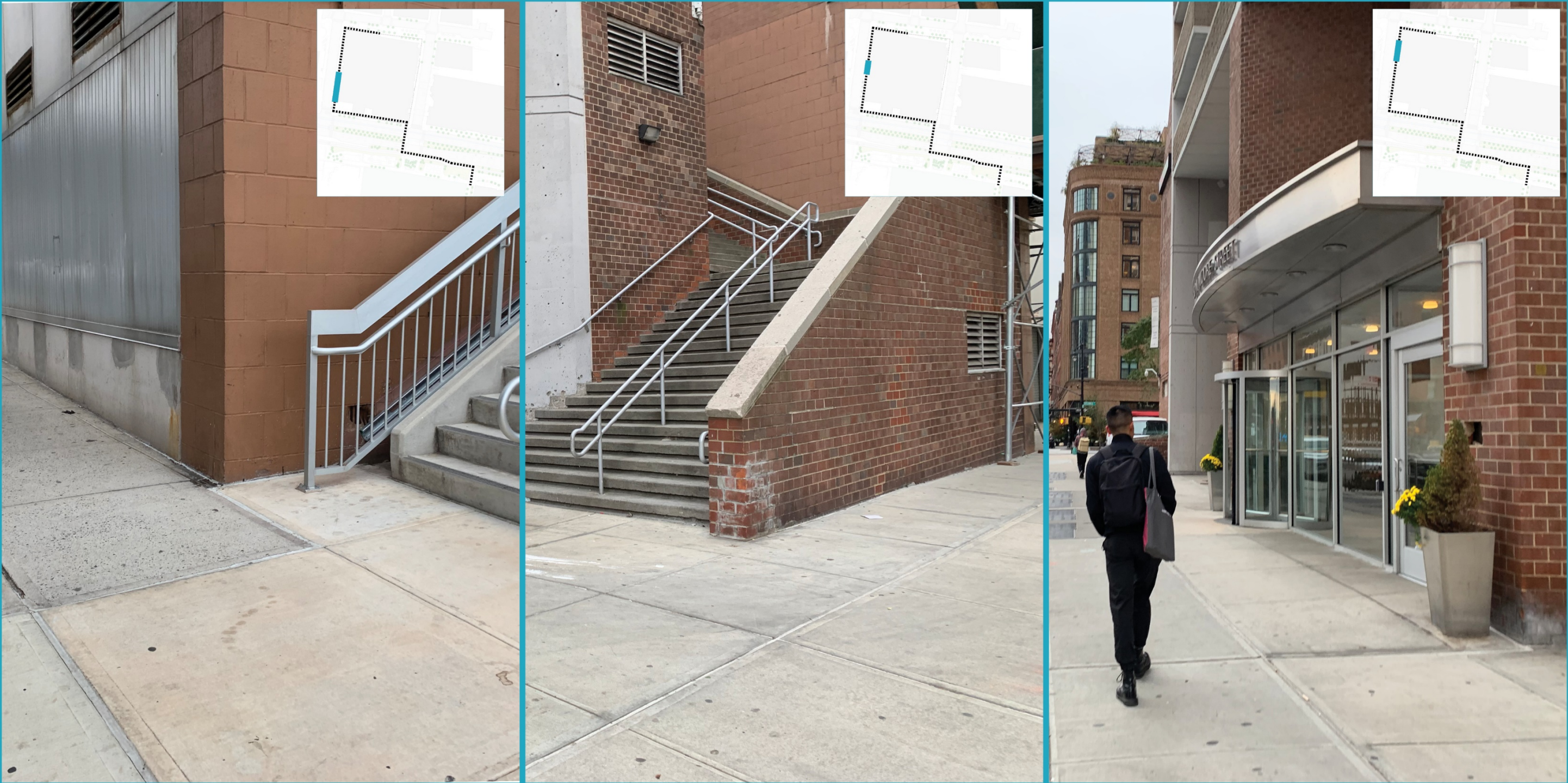
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VERTICAL APPLICATION | LOOK & FEEL

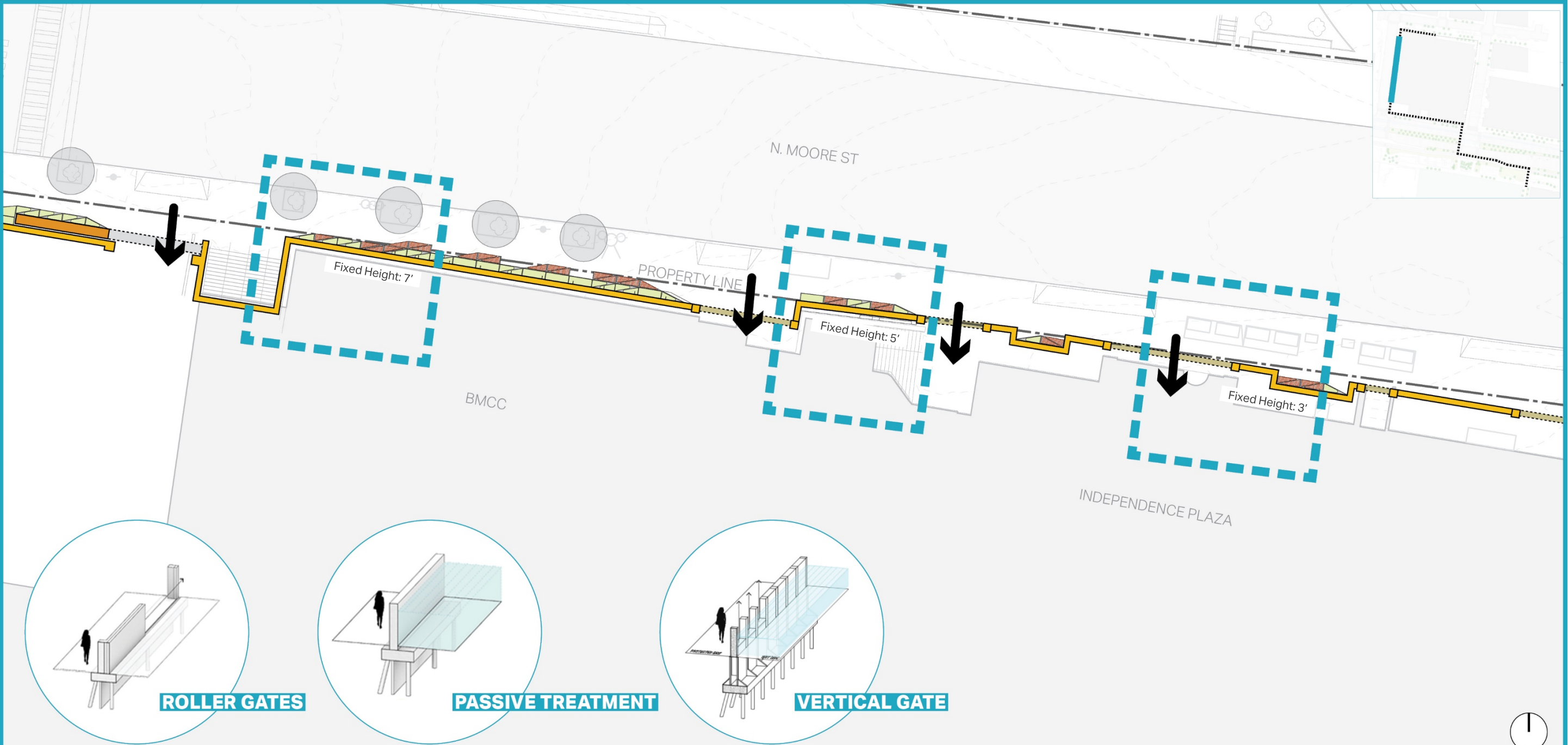


Conceptual drawings only. Designs subject to further review & approval.

VERTICAL APPLICATION | EXISTING CONDITIONS

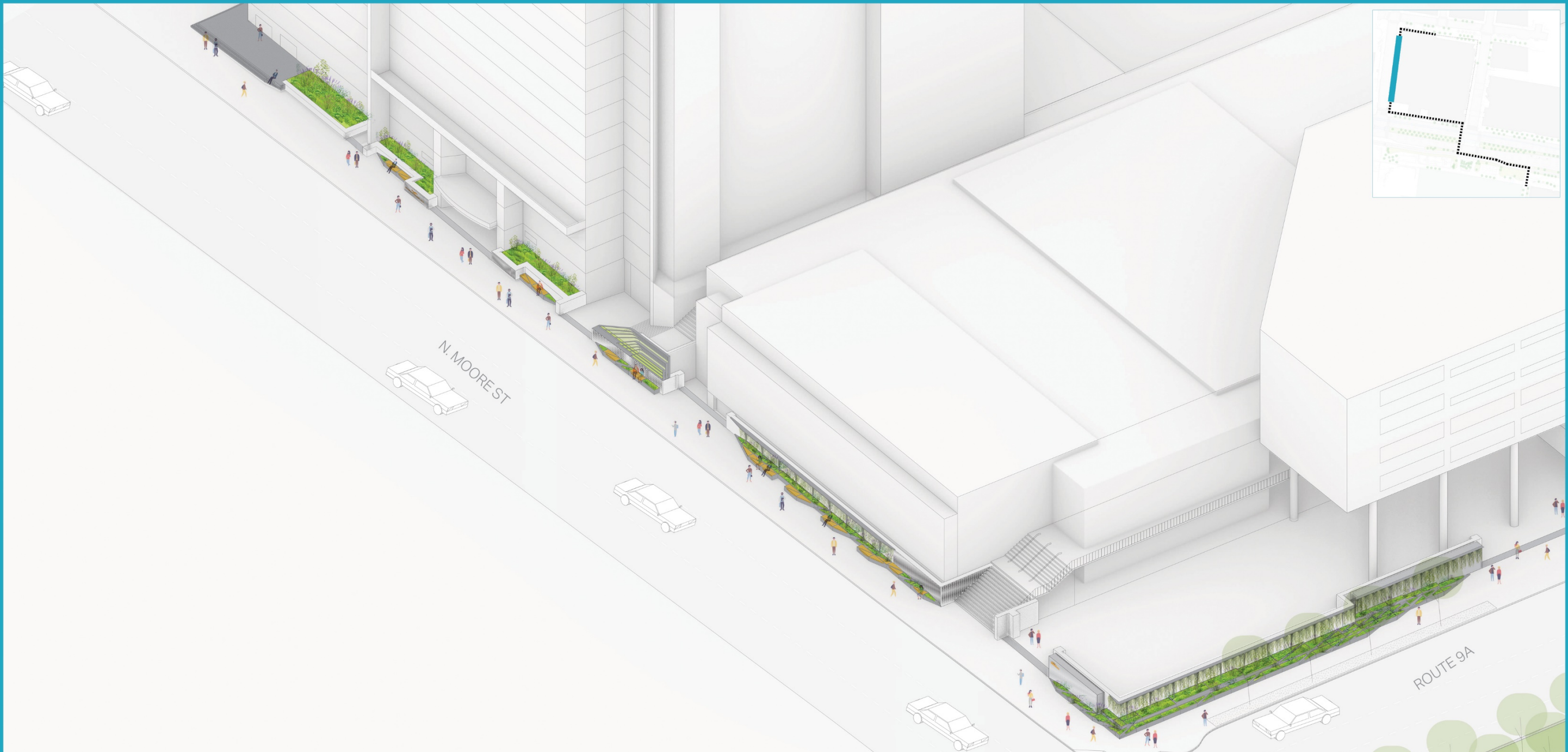


VERTICAL APPLICATION | METHOD OF PROTECTION



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VERTICAL APPLICATION | PUBLIC REALM



Conceptual drawings only. Designs subject to further review & approval.

VERTICAL APPLICATION | LOOK & FEEL



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VERTICAL APPLICATION | LOOK & FEEL

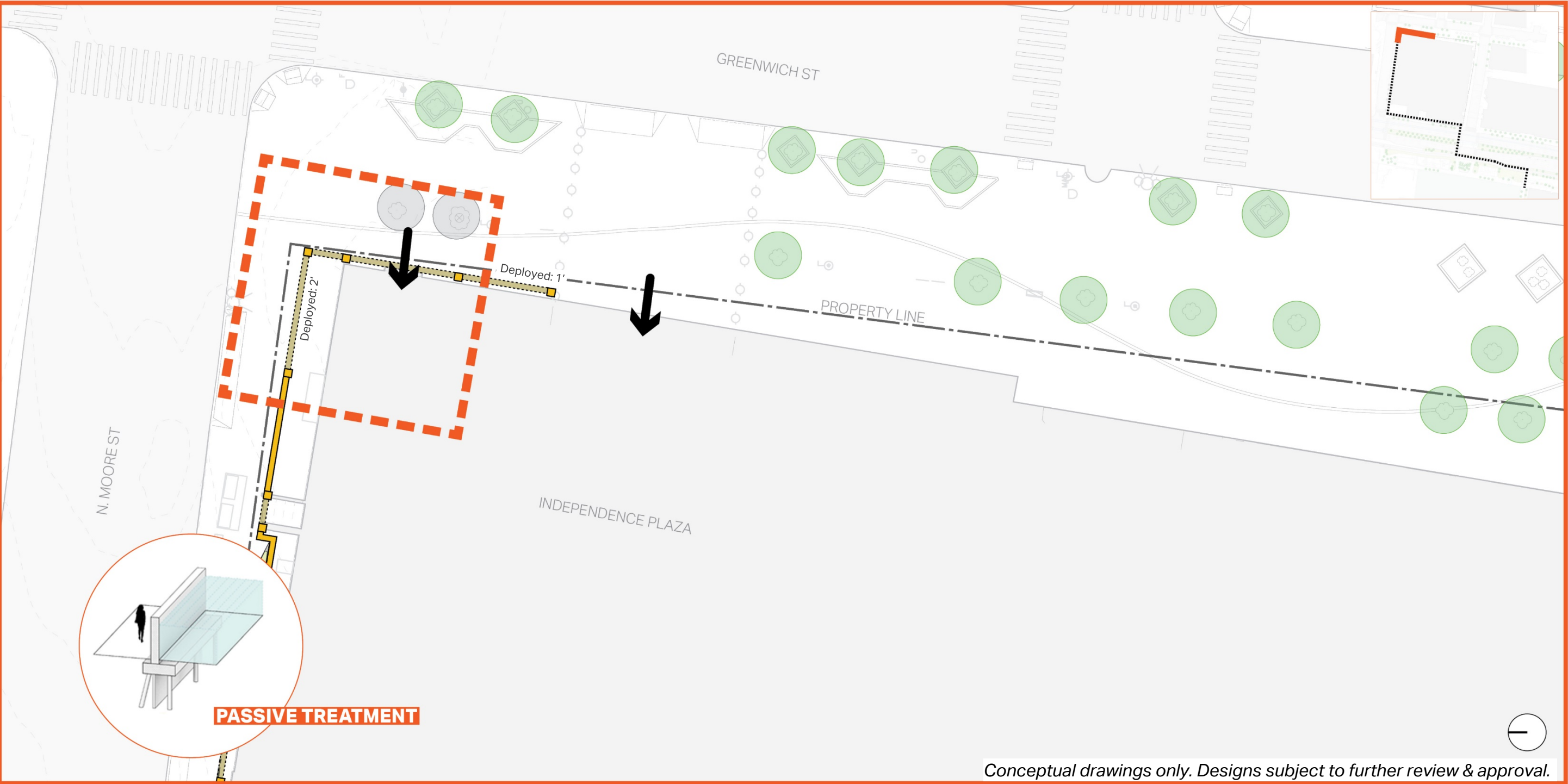


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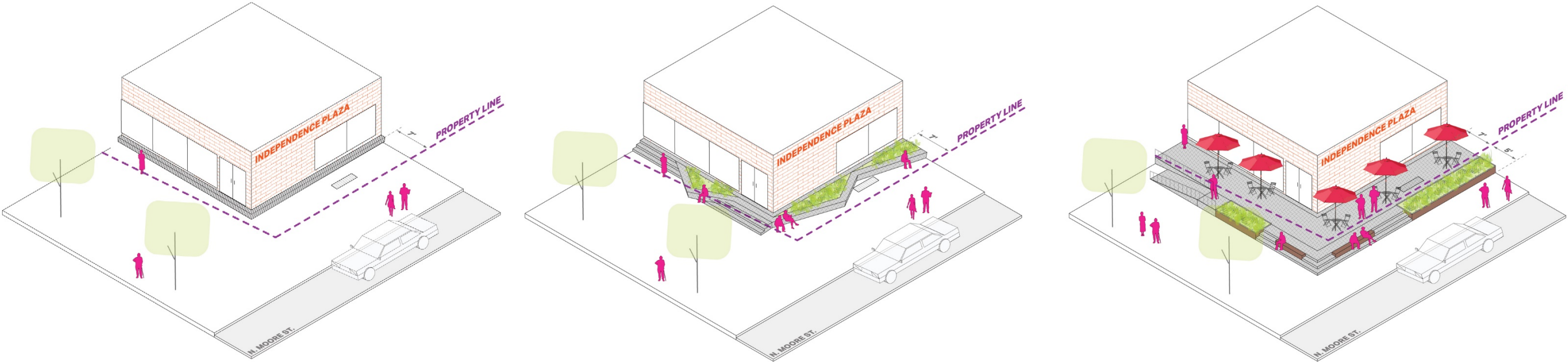
PLAZA | EXISTING CONDITIONS



PLAZA | METHOD OF PROTECTION



PLAZA | DESIGN OPTIONS



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JURISDICTIONAL CONSIDERATIONS

PERMITTING & DESIGN REVIEW REQUIREMENTS

- U.S. Army Corps of Engineers (USACE)
- National Marine Fisheries Service (NMFS)
- U.S. Fish & Wildlife Service (USFWS)
- NY State Dept. of State (NYSDOS)
- NY State Dept. of Environmental Conservation (NYSDEC)
- NY State Dept. of Parks, Recreation and Historic Preservation (NYSDPRHP)
- NY State Historic Preservation Office (SHPO)
- NY State Department of Transportation (NYSDOT)
- NYC Department of Transportation (NYCDOT)
- NYC Department of Environmental Protection (DEP)
- NYC Public Design Commission (PDC)
- NYC Department of City Planning (DCP)
- NYC Department of Parks & Recreation (DPR)
- NYC Department of Education (DOE)

JURISDICTIONAL CONSIDERATIONS

POTENTIAL REAL PROPERTY AGREEMENTS

- NY State Department of Transportation (NYSDOT)
- Hudson River Park Trust (HRPT)
- NY State Dept. of Environmental Conservation (NYSDEC)
- NY State Dept. of Parks, Recreation and Historic Preservation (NYSDPRHP)
- Dormitory Authority of the State of New York (DASNY)
- The City University of New York (CUNY)
- Borough of Manhattan College (BMCC)
- NYC Department of Transportation (NYCDOT)
- NYC Department of Environmental Protection (DEP)
- NYC Department of Education (DOE)
- Private Owner – Tribeca Pointe
- Private Owner – Independence Plaza

NEXT STEPS

- Complete Geotech fieldwork along preferred alignment
- Continue design development and materials refinements
- Conduct individual technical coordination meetings in support of 60% Design
- Determine timeline for completing full Environmental Impact Statement (EIS)

QUESTIONS + COMMENTS



NICHOLAS SBORDONE

BPCA VICE PRESIDENT OF COMMUNICATIONS AND PUBLIC AFFAIRS

NICHOLAS.SBORDONE@BPCA.NY.GOV

212-417-3194

646-531-2276

END