

TWO BRIDGES
CB3 COMMUNITY WORKSHOP
JULY 18, 2018

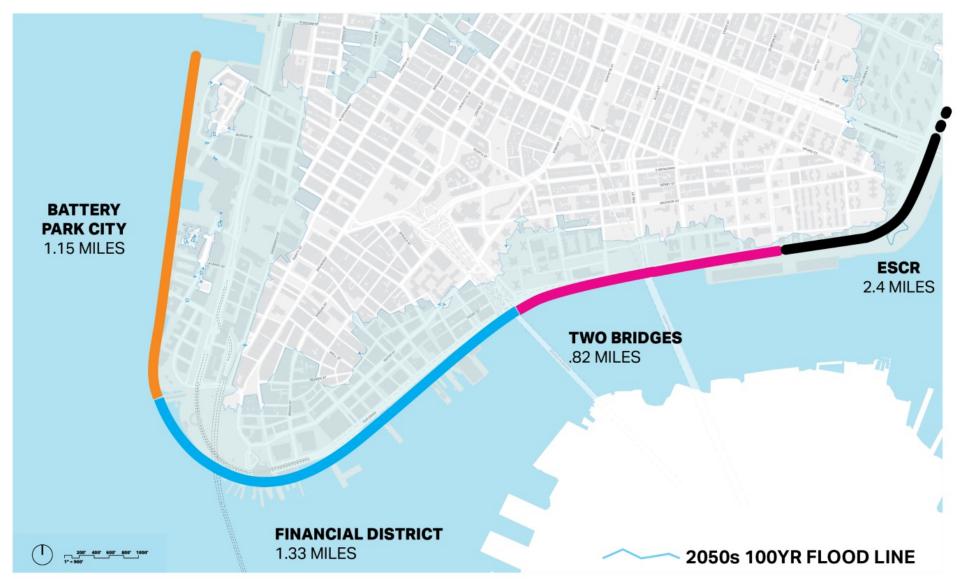
LMCR OVERVIEW

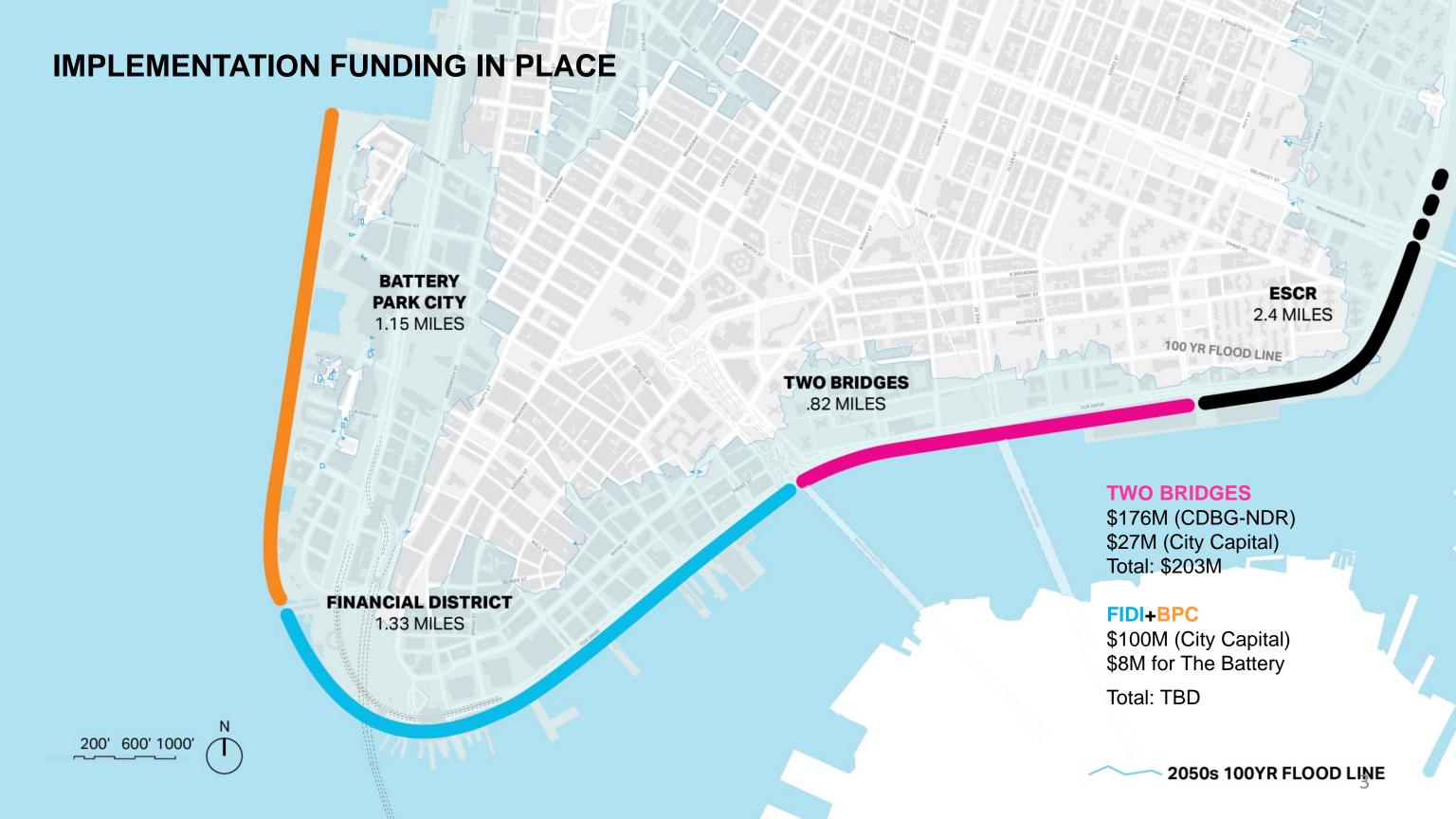
PURPOSE OF STUDY:

- Develop long-term strategy and feasible concept design for all of Lower Manhattan
- 2. Prioritize project concepts toward implementation and conduct advanced planning when possible
- 3. Engage with community on core design principles and priorities

STUDY FUNDING

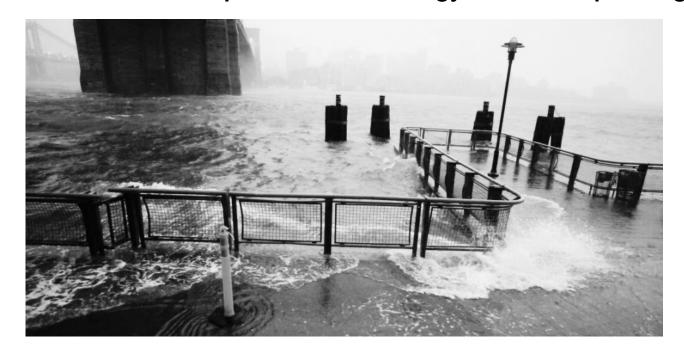
+ \$7.25M CDBG-DR (\$3.75M GOSR; \$3.5M NYC)





THE CHALLENGE

To develop a feasible strategy and concept design for a flood protection system in Two Bridges.

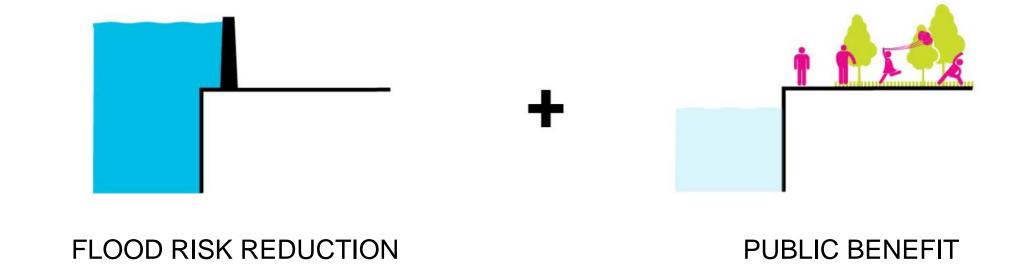








CORE MISSION



LMCR PROJECT APPROACH

WHERE DOES FLOOD INFRASTRUCTURE BEST SERVE THE COMMUNITY?

EVALUATION CRITERIA











CONSTRUCTABILITY

- Cost
- Structural requirements
- Impacts on utilities
- Disruptions to existing structures and transportation
- Failure risk

SCHEDULE

- Regulatory actions
- Environmental impacts
- Jurisdictional coordination

RESILIENCE

- Buildings, residents, and infrastructure protected
- Adaptability

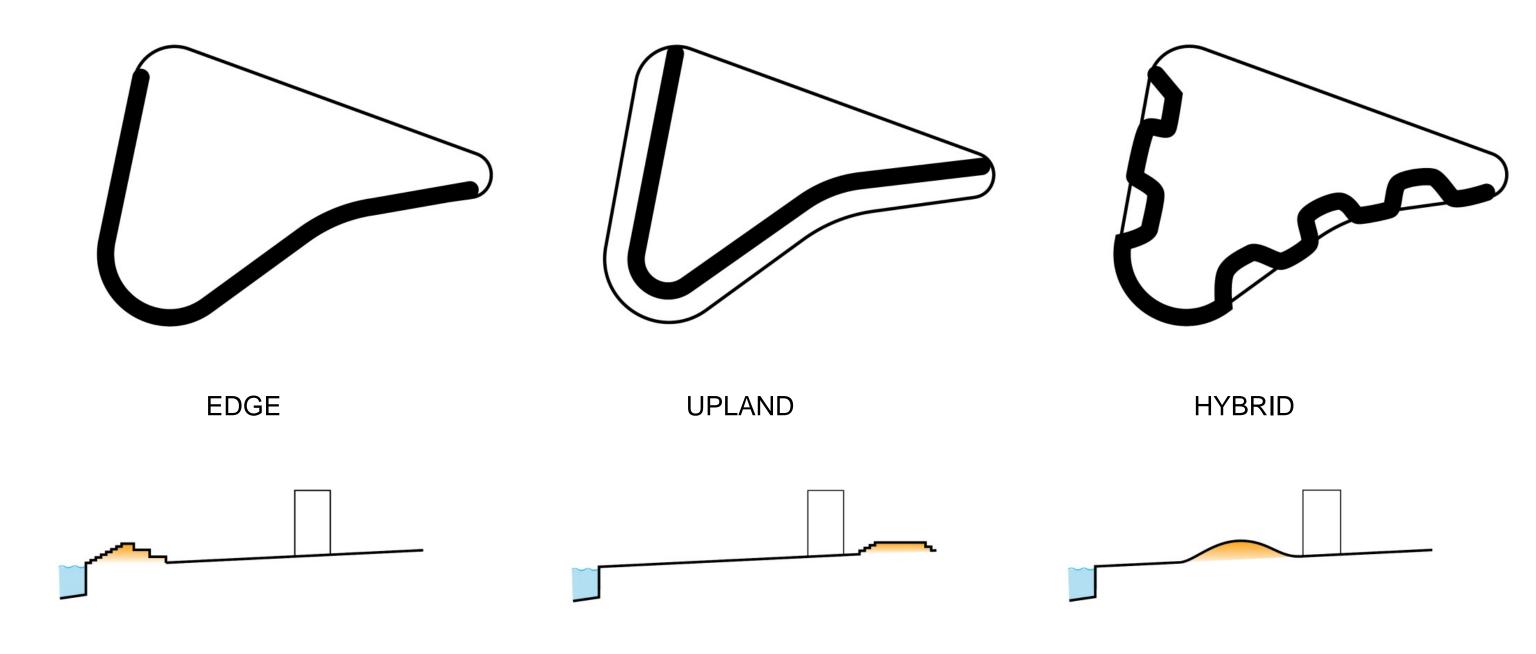
OPERATIONS & MAINTENANCE

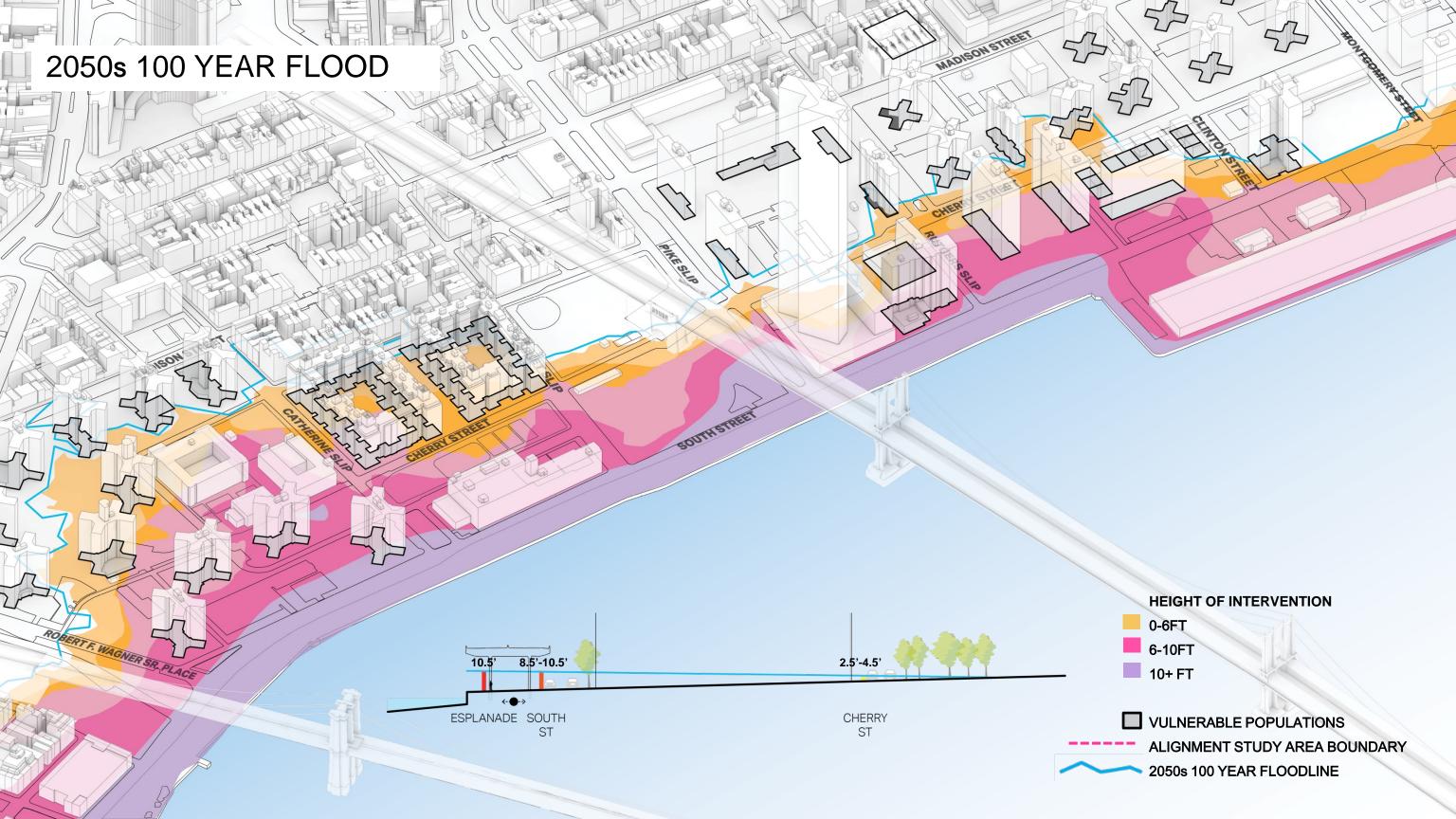
- Accessibility
- O&M requirements

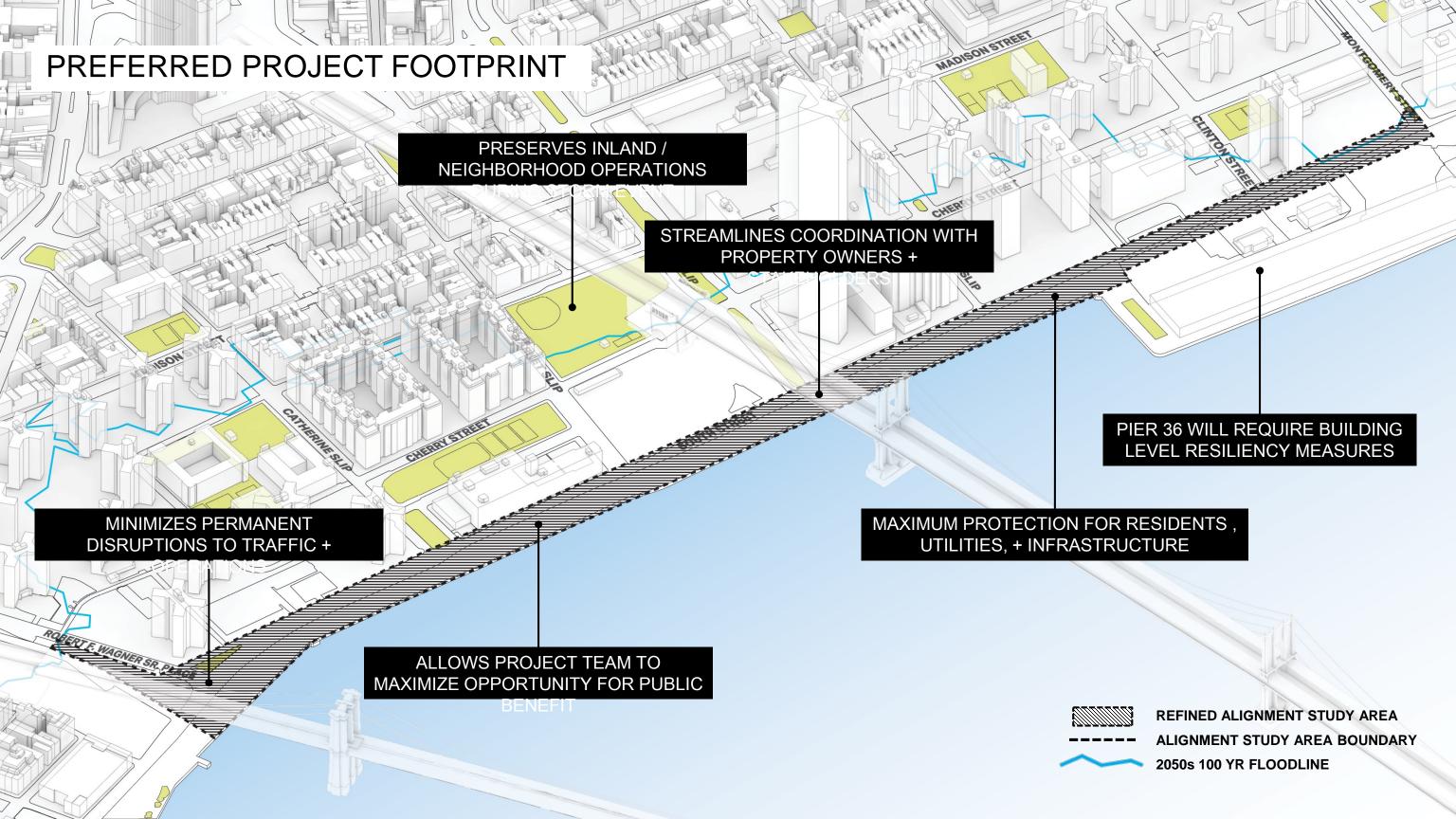
PUBLIC REALM BENEFITS

 Opportunity for community amenities, placemaking, and urban design

CONCEPTUAL ALIGNMENTS









DESIGN OBJECTIVES

DESIGN OBJECTIVES



1 PRESERVE VIEWS + ACCESS

2 DISTRIBUTE PROGRAM EQUITABLY

3 INTEGRATE INFRASTRUCTURE INTO THE PUBLIC REALM





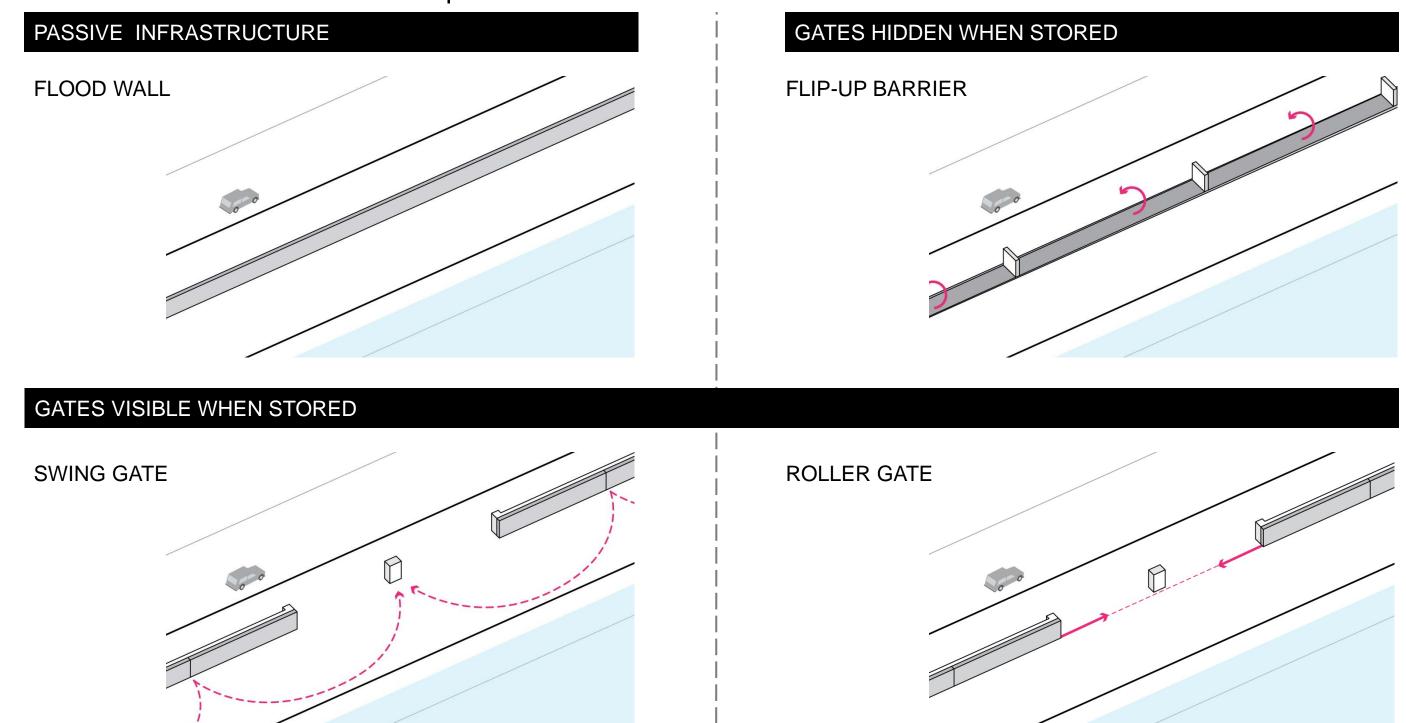






MARKET SLIP

INFRASTRUCTURE TOOLKIT | USE DEPLOYABLE GATES TO PRESERVE VIEWS + ACCESS



FLIP-UP GATE FEATURES

Α.

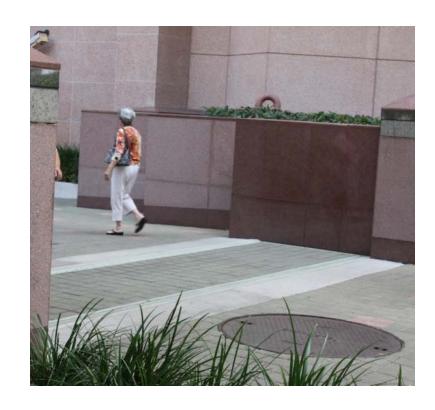
- Cover plates will hide seams and protect gate hinges.
- Gates and cover plates can be designed flush with existing grade.

B.

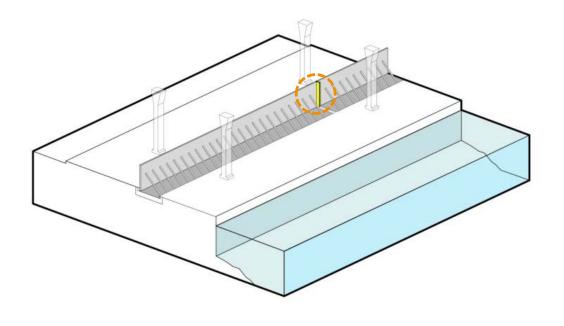
 Flip-up gates can be clad with pavers that match the surroundings.

C.

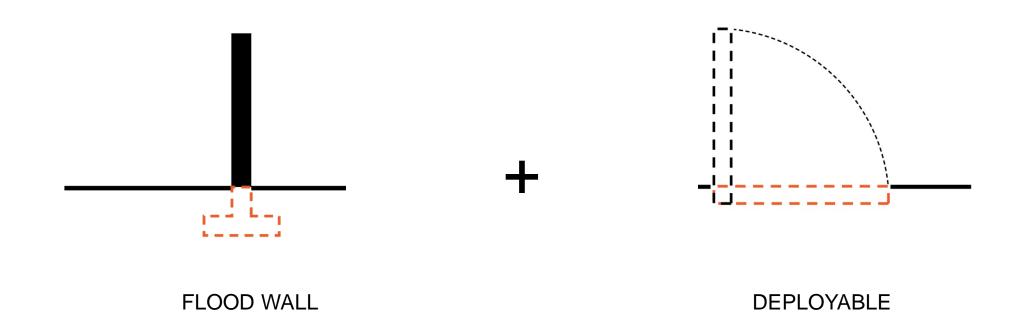
- Adjacent gates will be sealed against an intermediate structural post.
- Furnishings cannot be permanently installed on top of the flip-up gates.

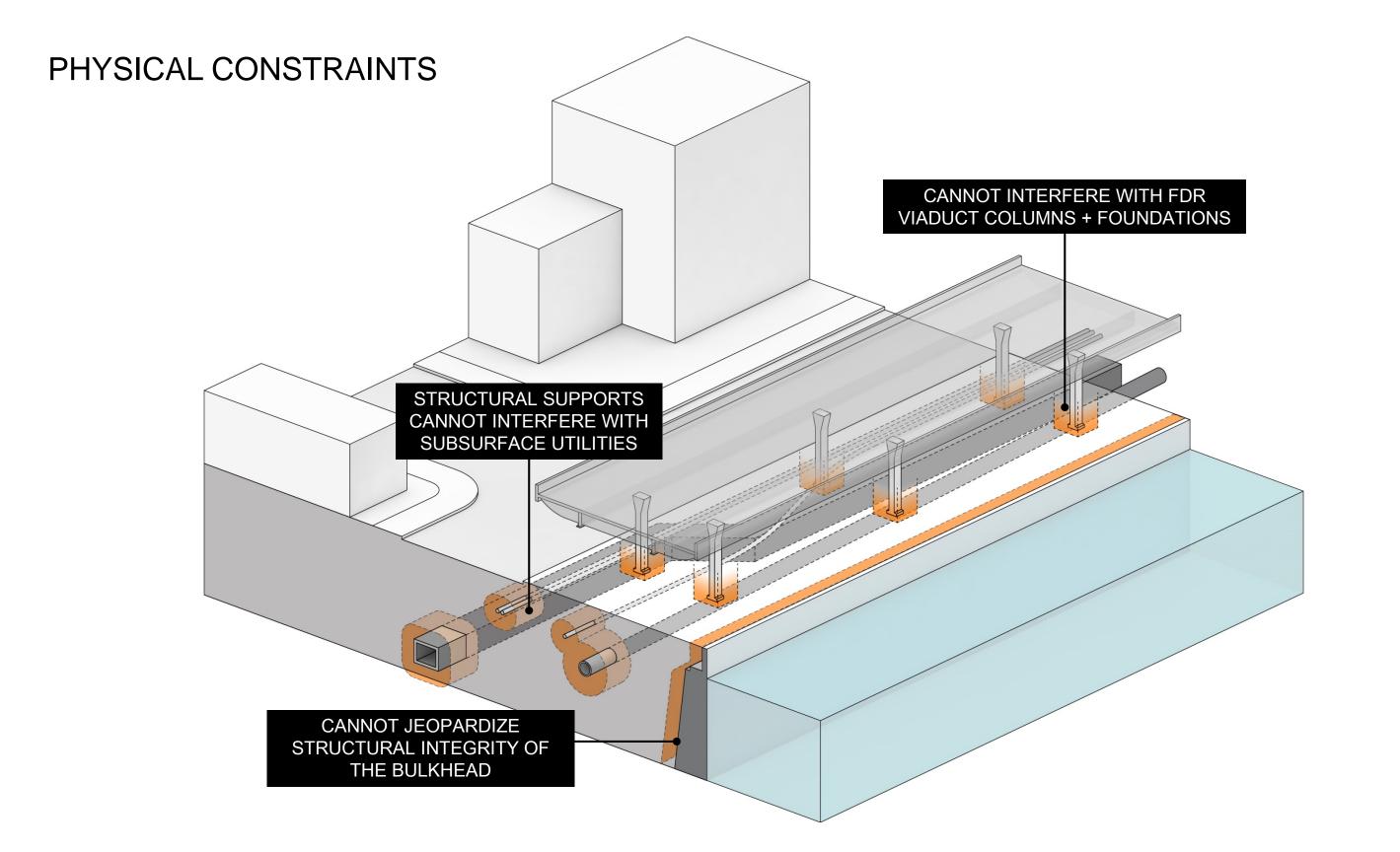


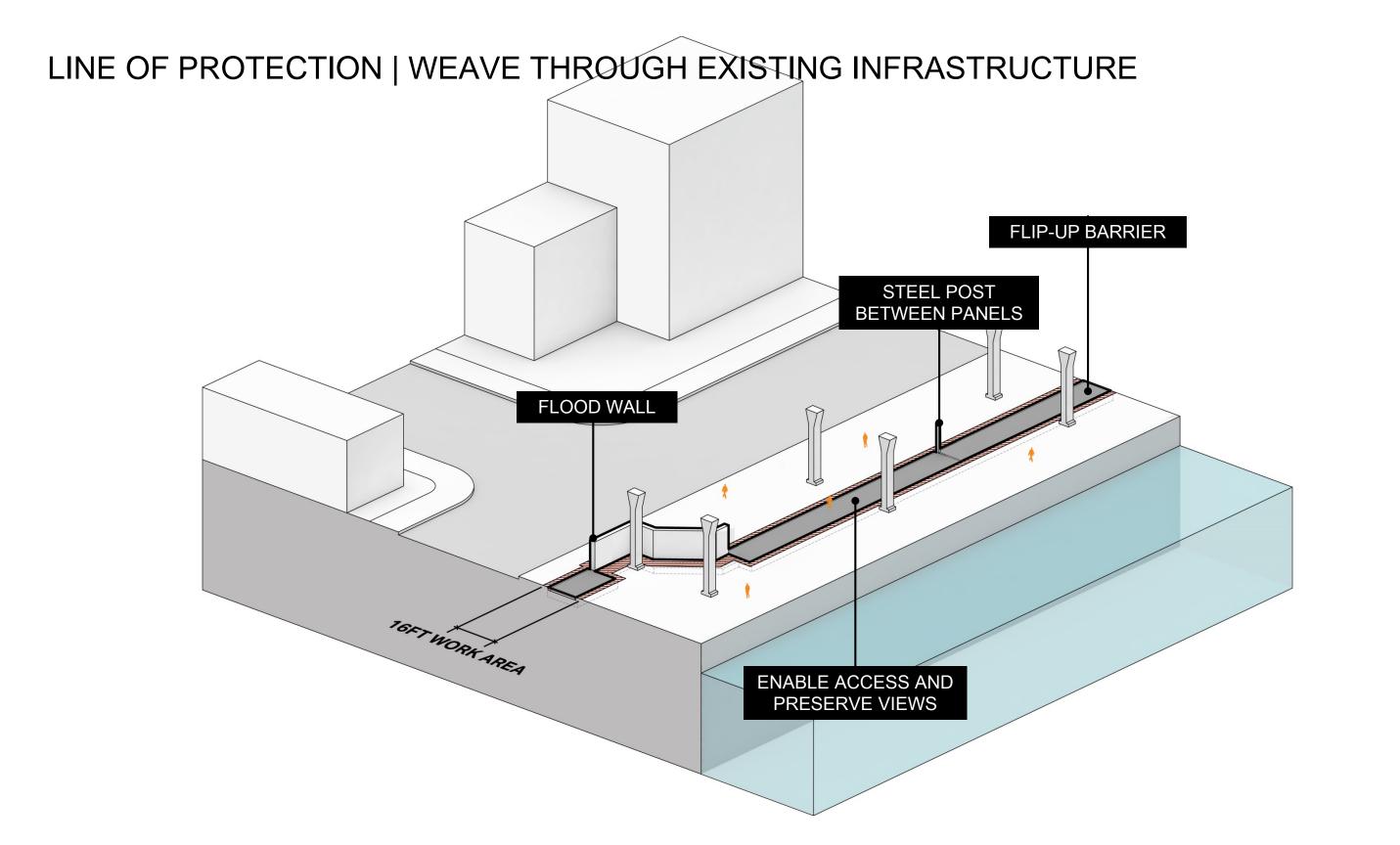


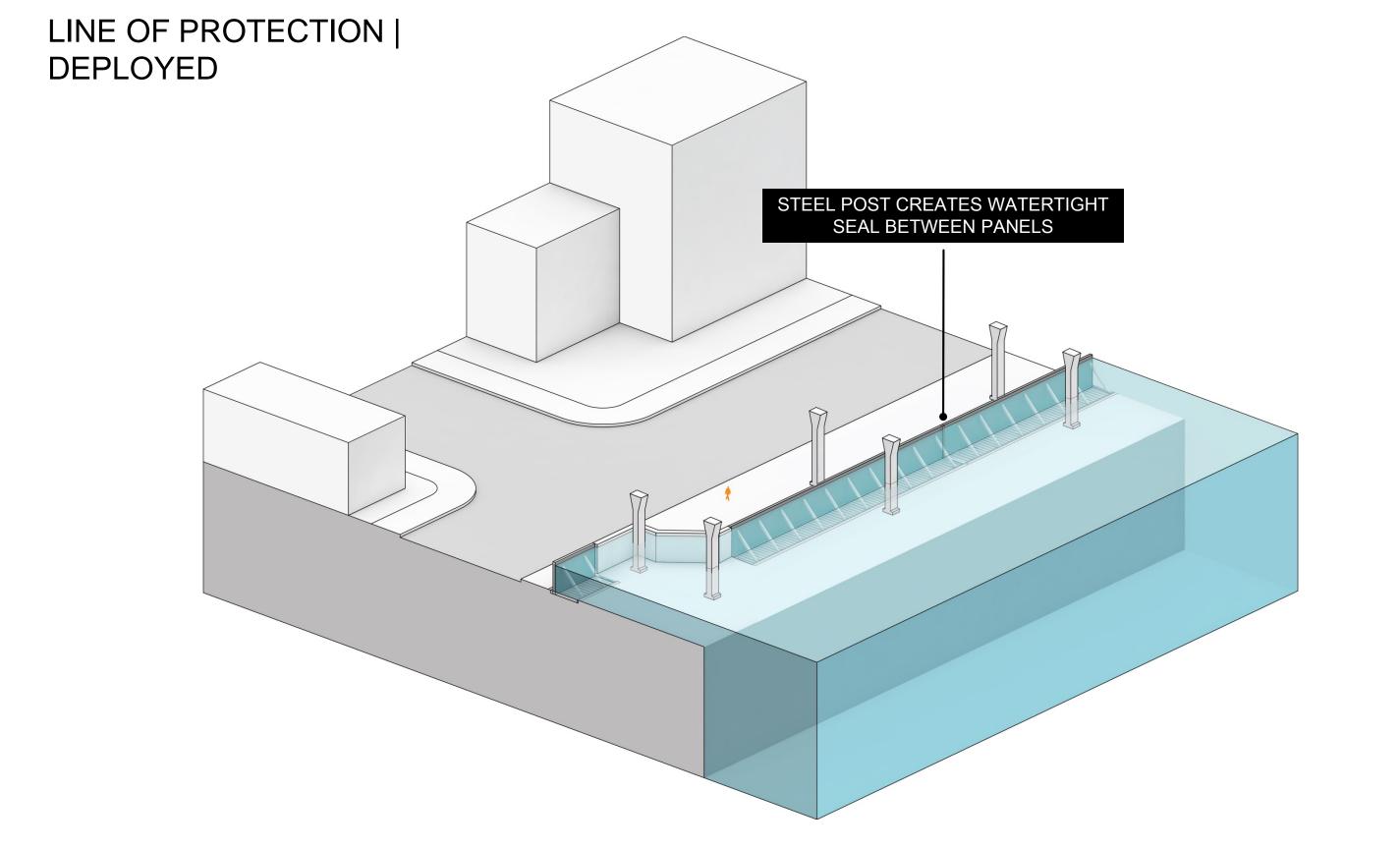


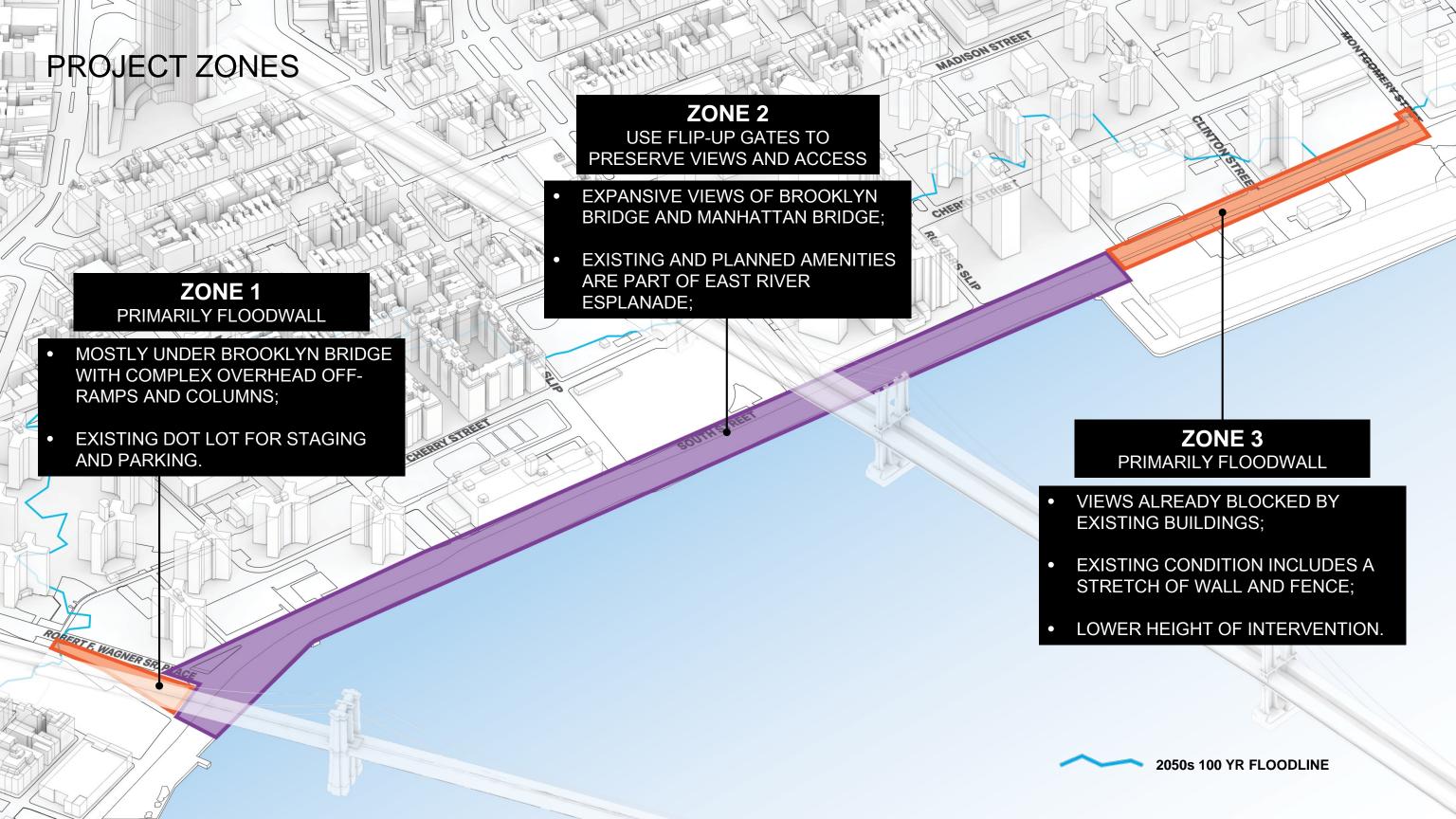
ADAPTING INFRASTRUCTURE | MAINTAIN WATERFRONT CONNECTIONS

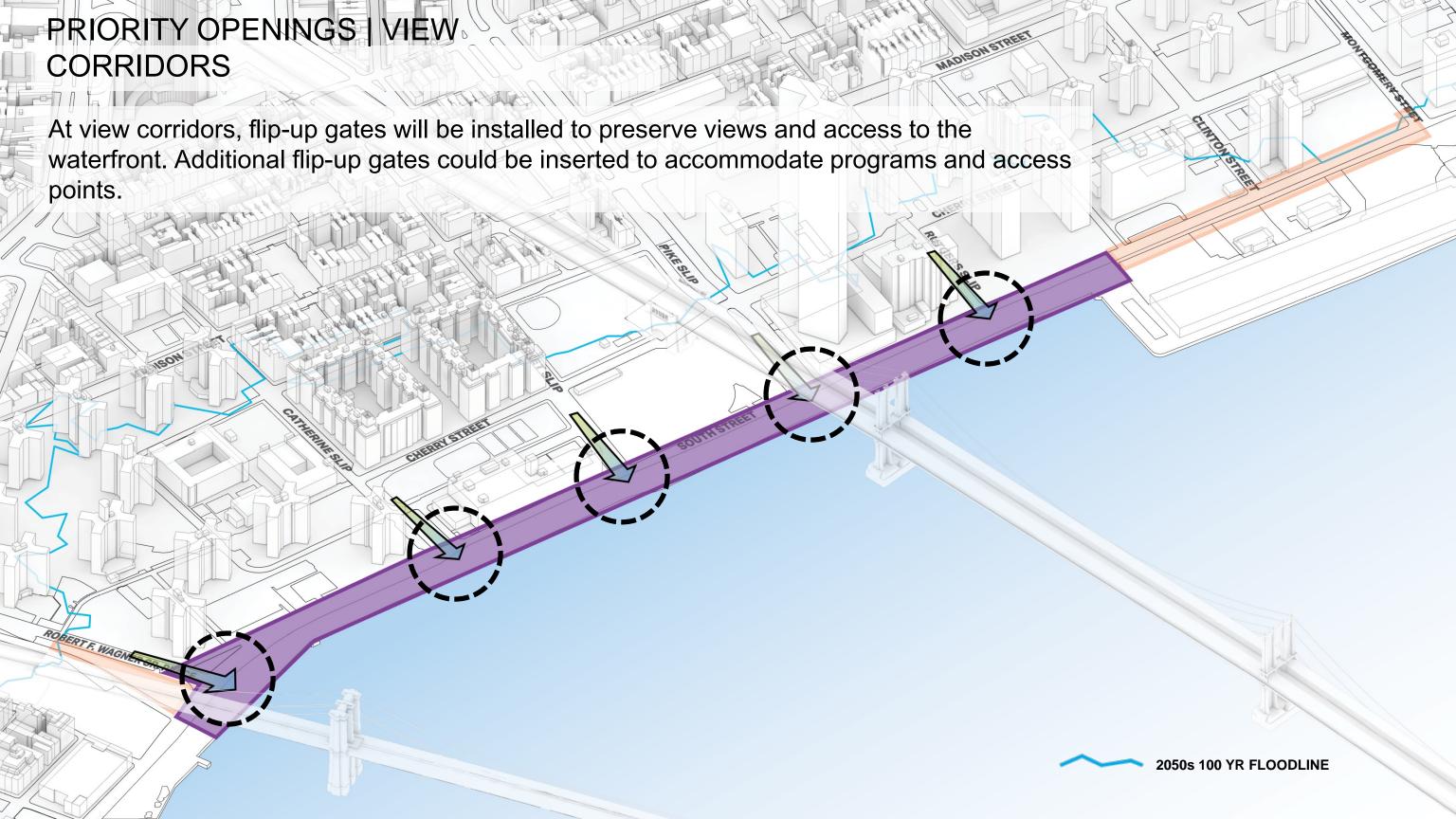




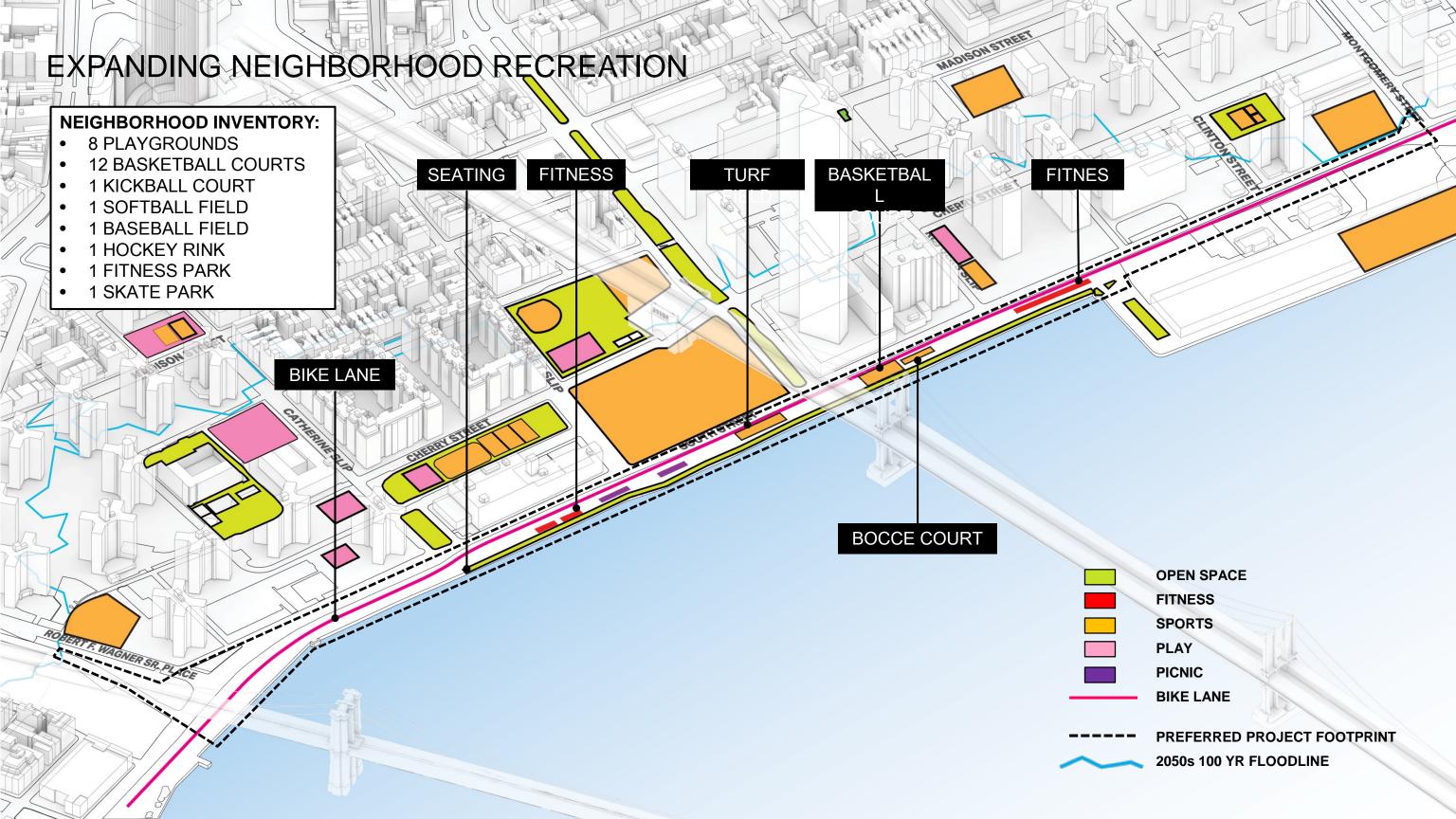


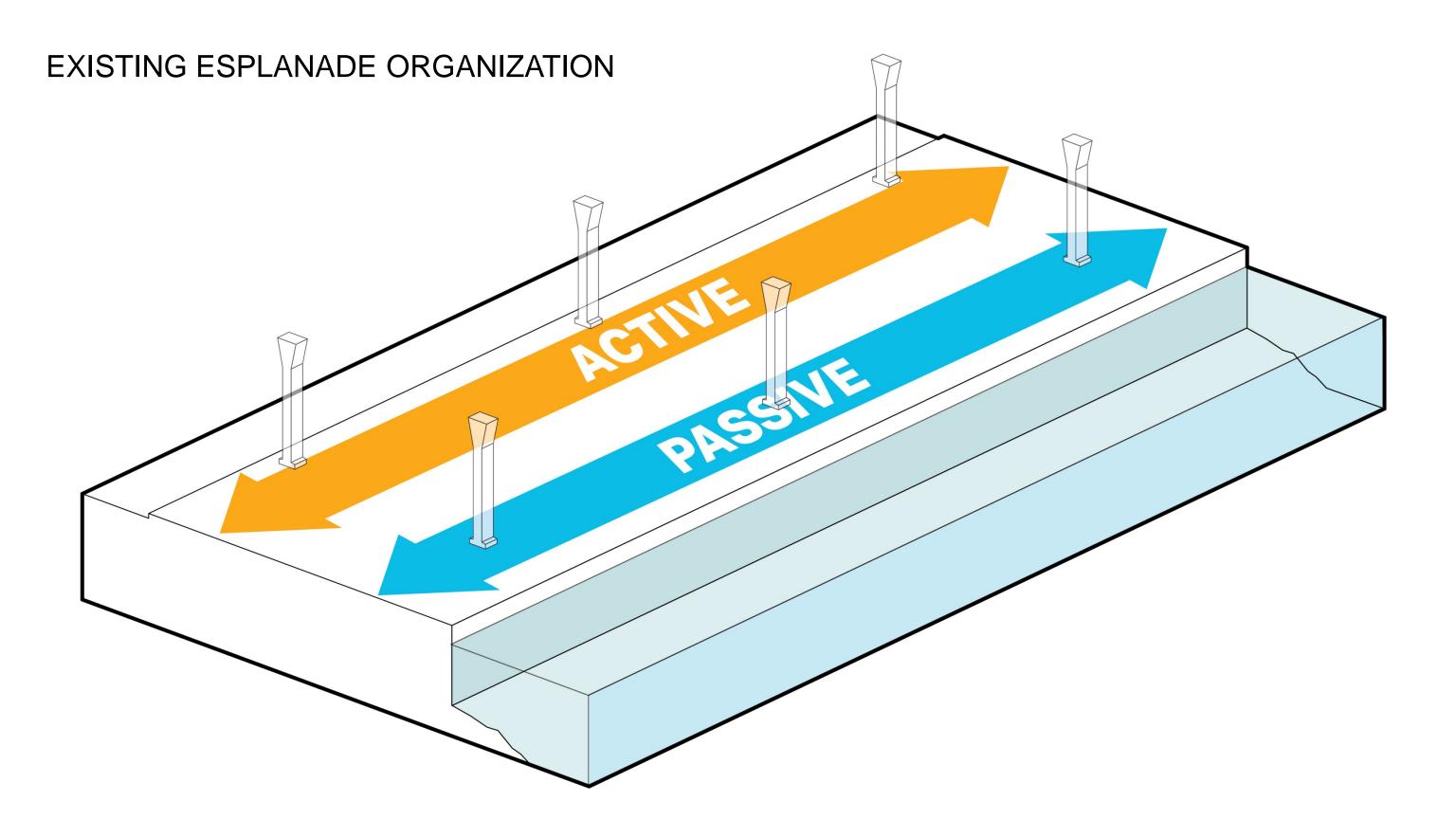


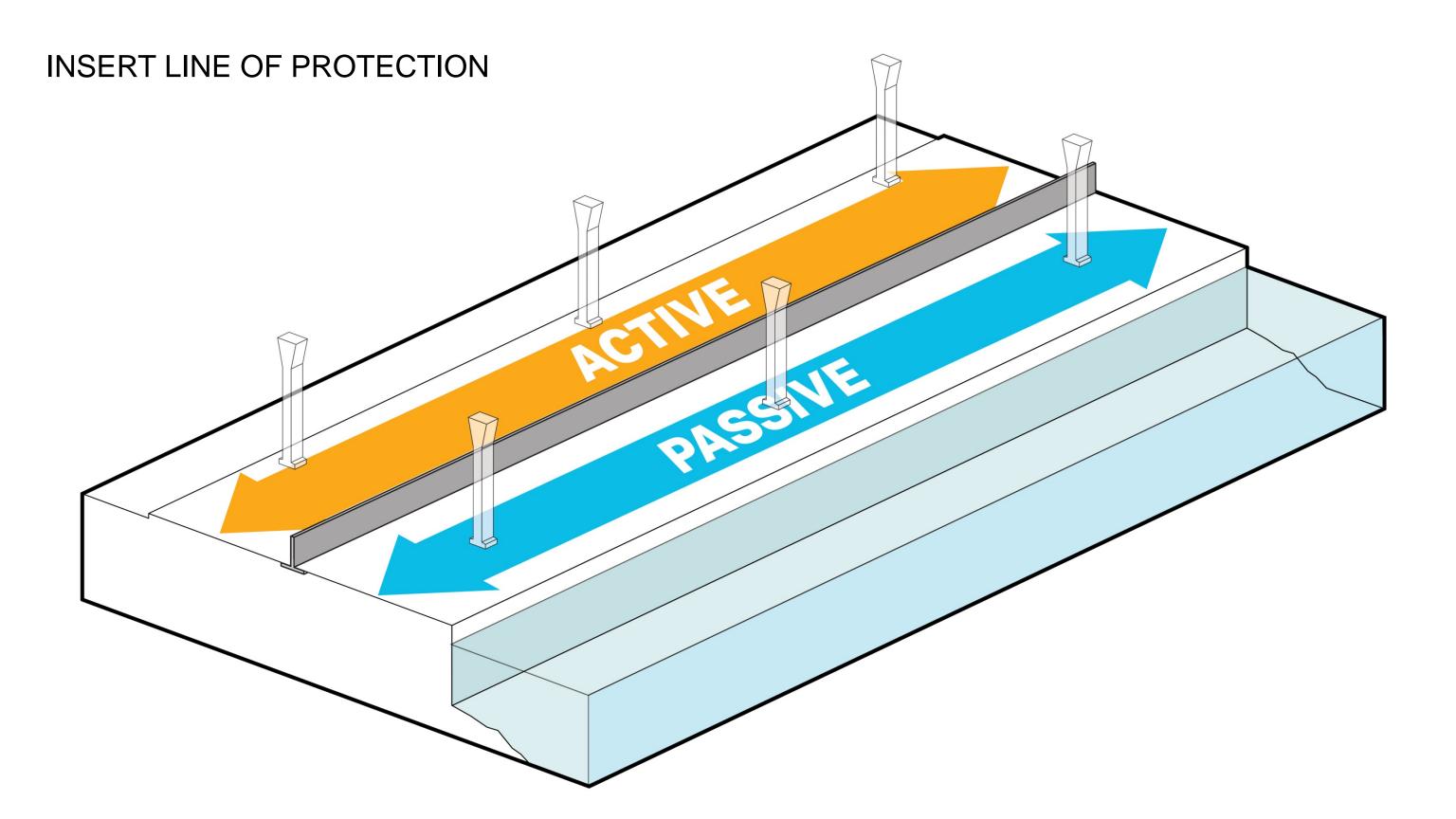


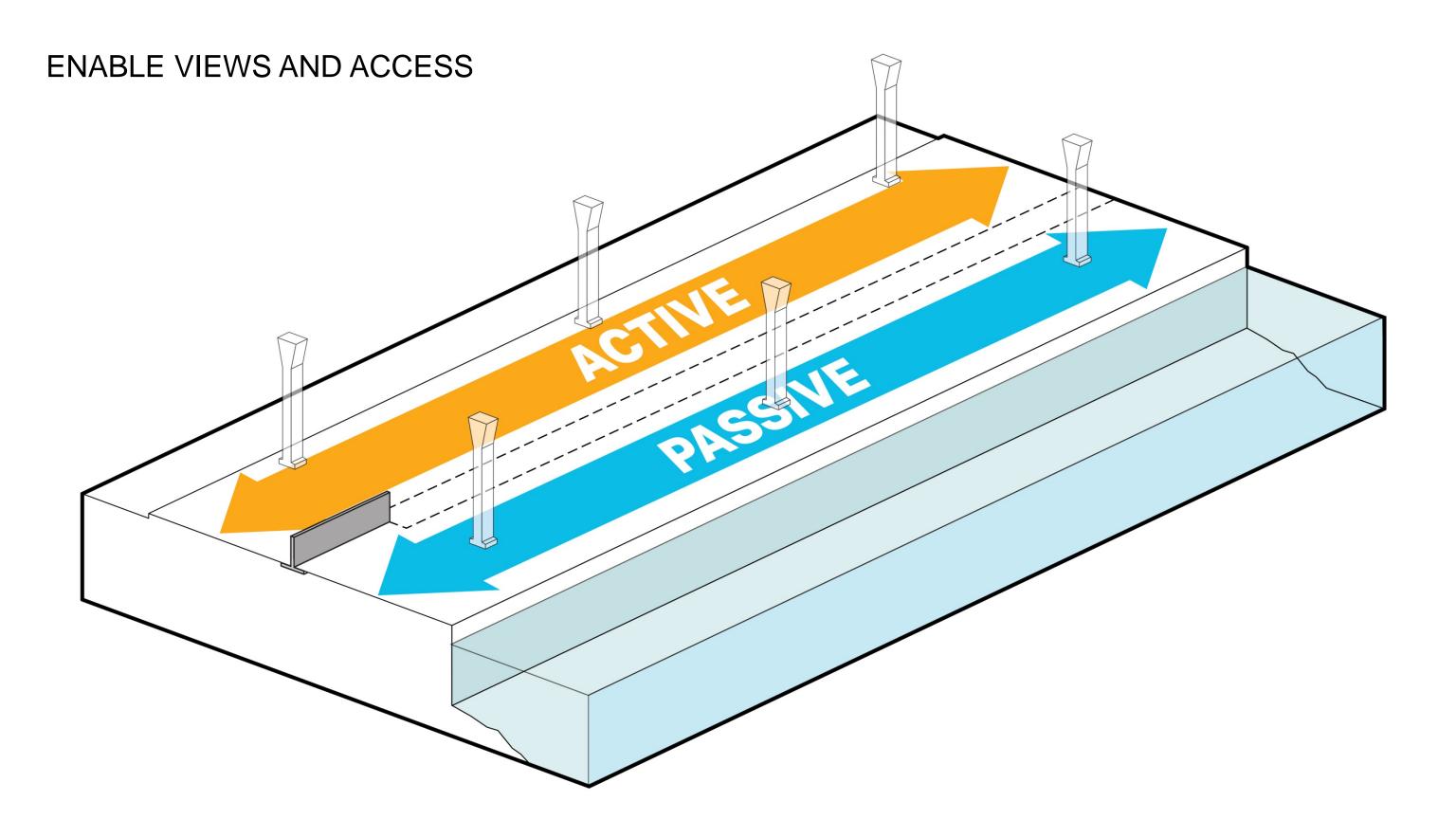




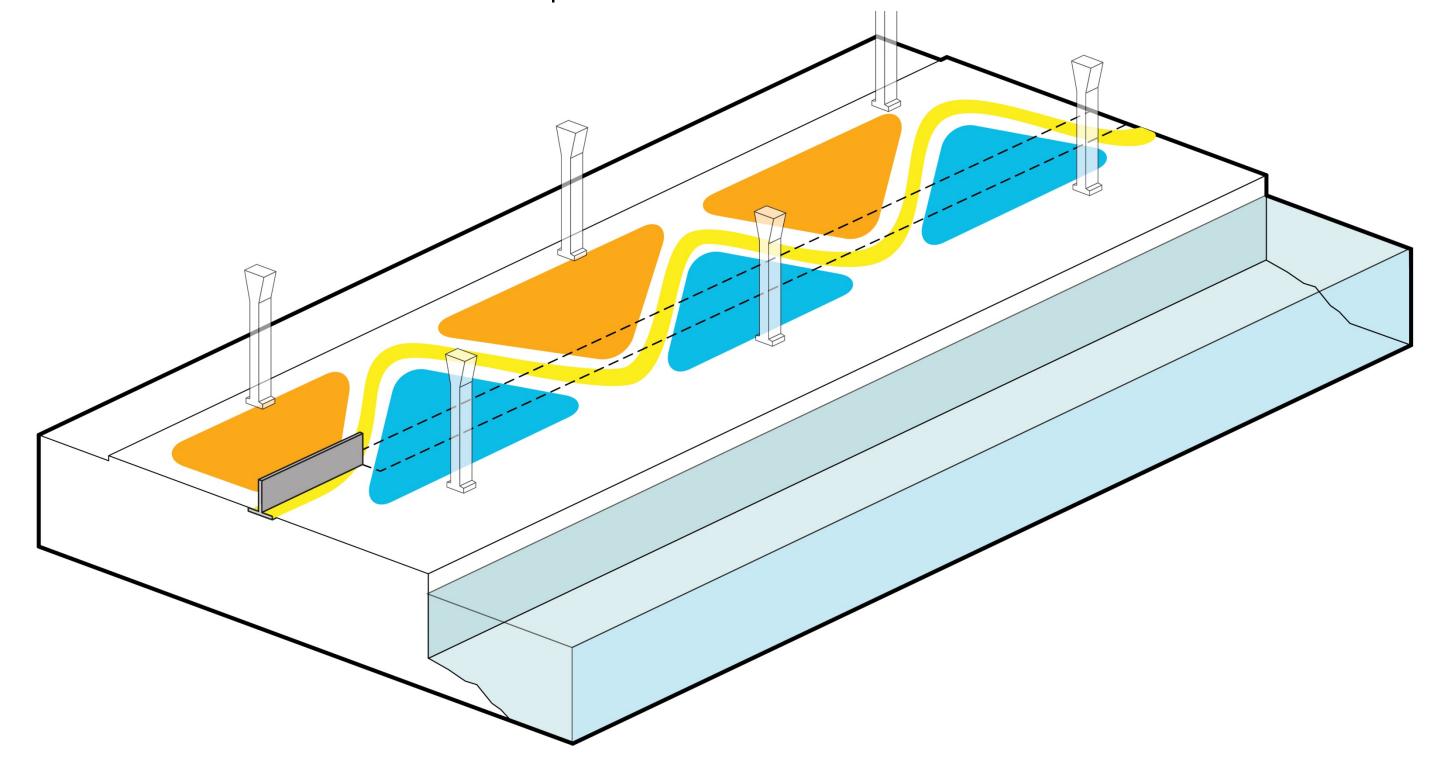




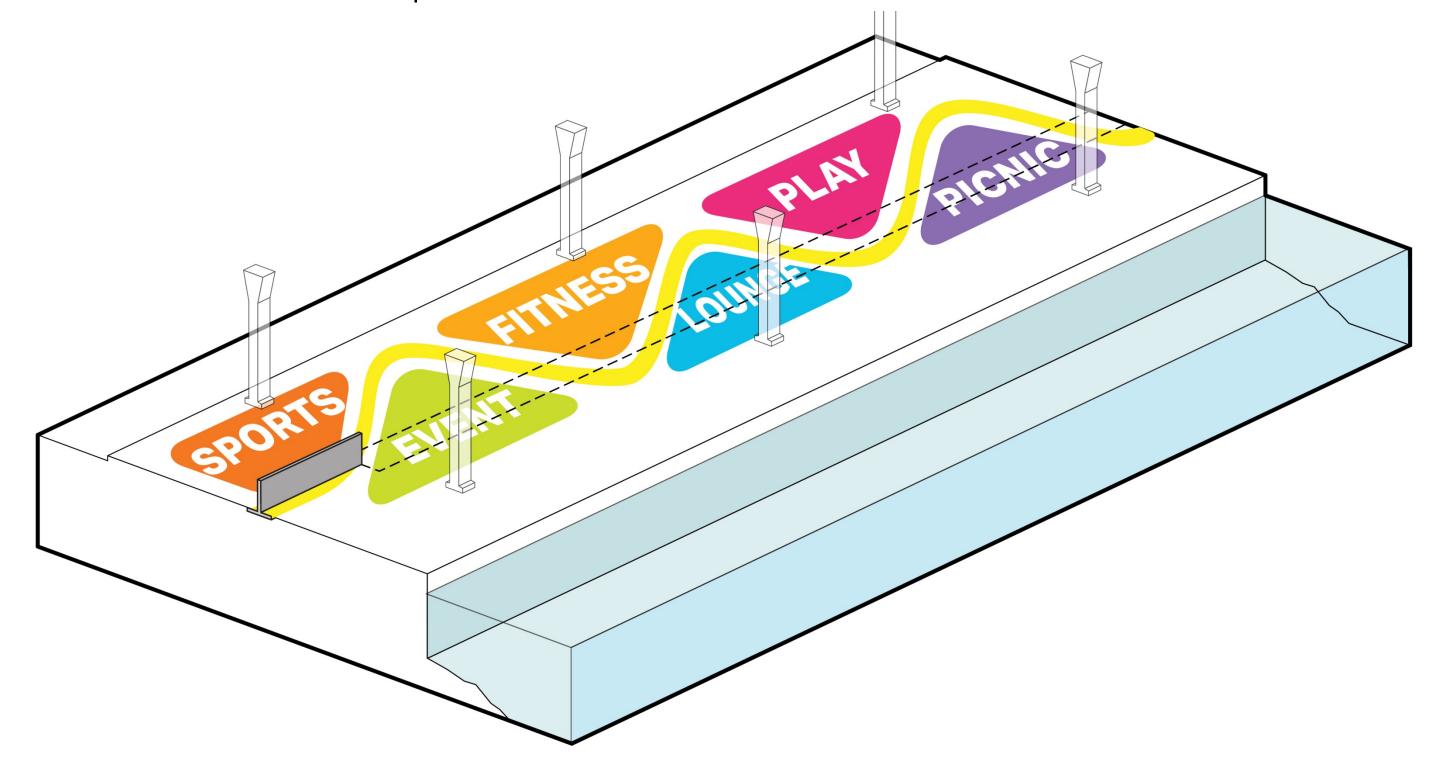




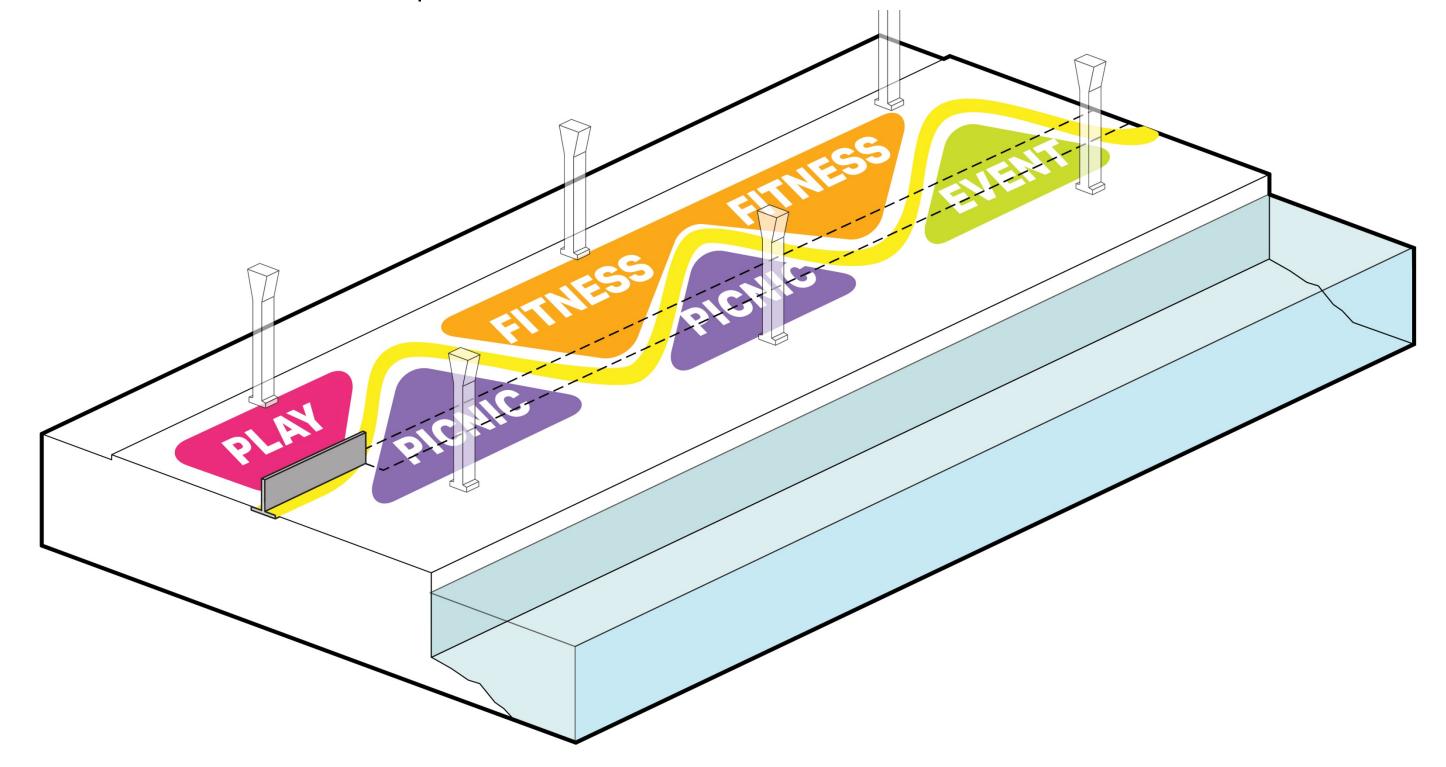
CREATE POCKETS FOR PROGRAM | CONCEPT IDEA



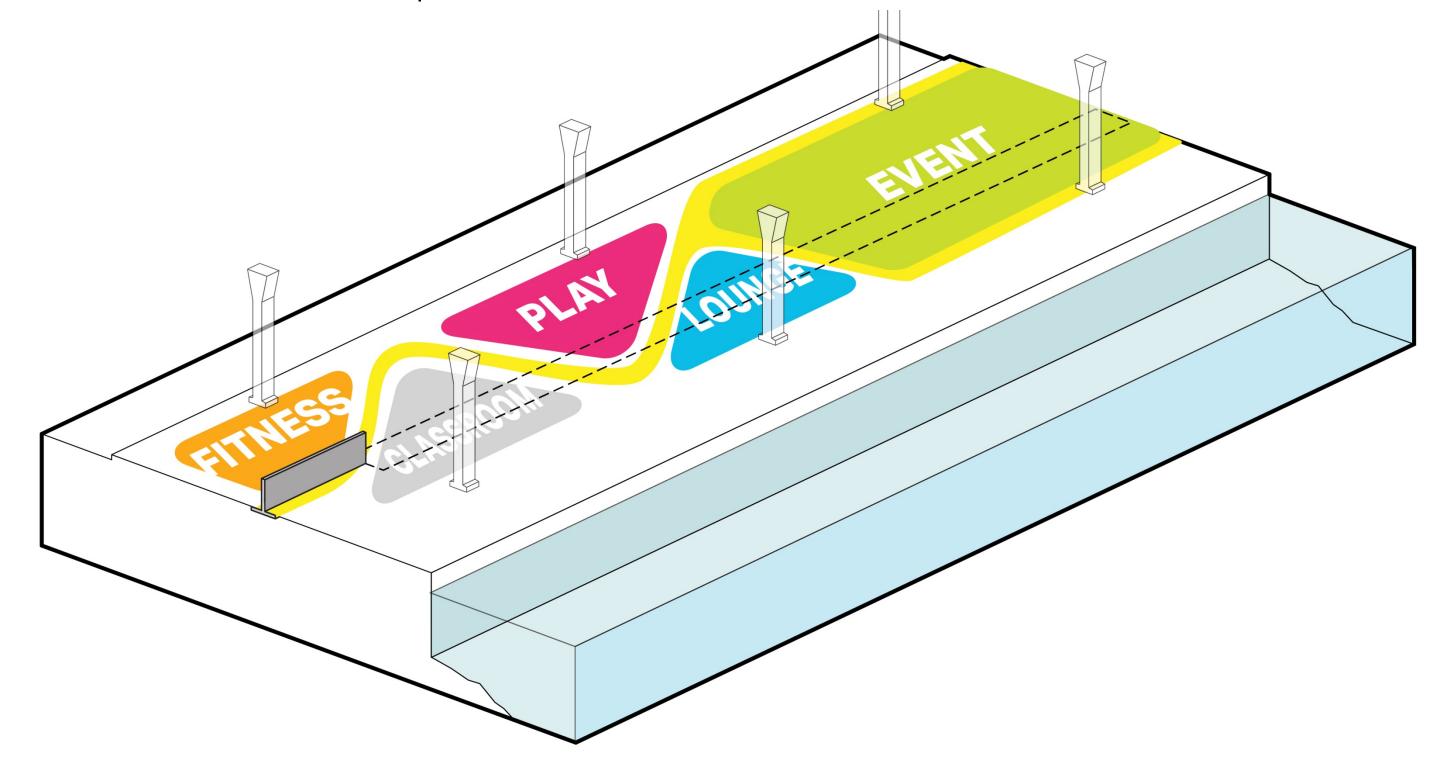
POCKETS FOR PROGRAM | CONCEPTUAL MIX OF SMALL ACTIVITIES



POCKETS FOR PROGRAM | CONCEPTUAL MIX OF SMALL + MEDIUM ACTIVITIES



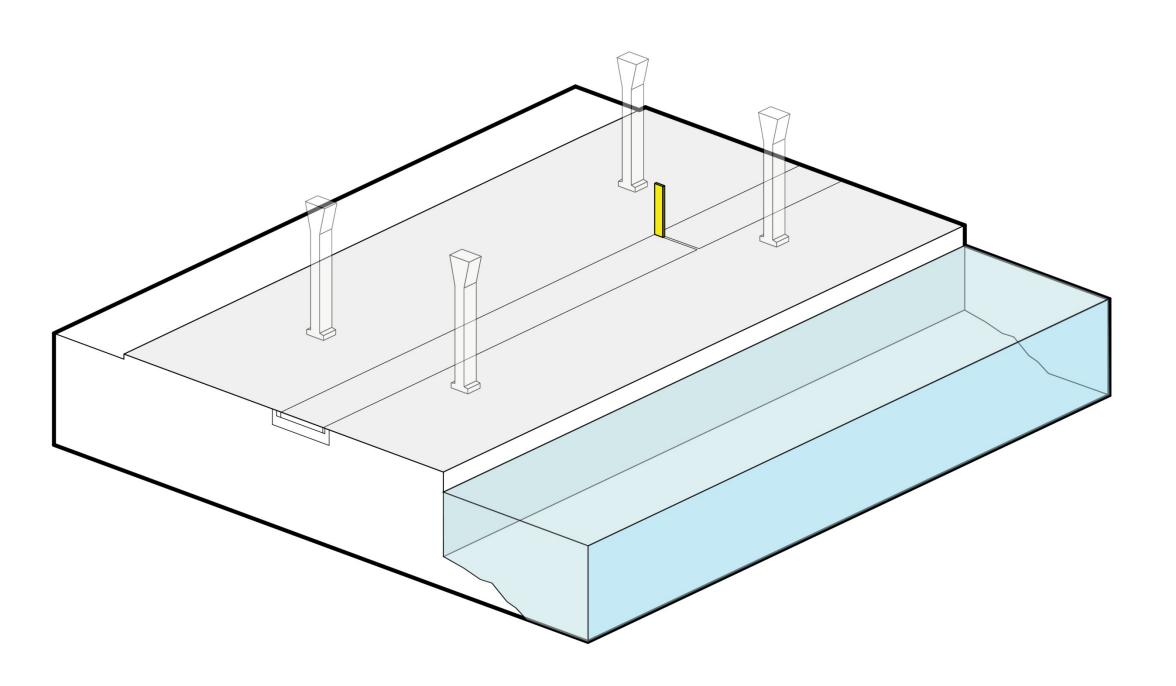
POCKETS FOR PROGRAM | CONCEPTUAL MIX OF SMALL + LARGE ACTIVITIES





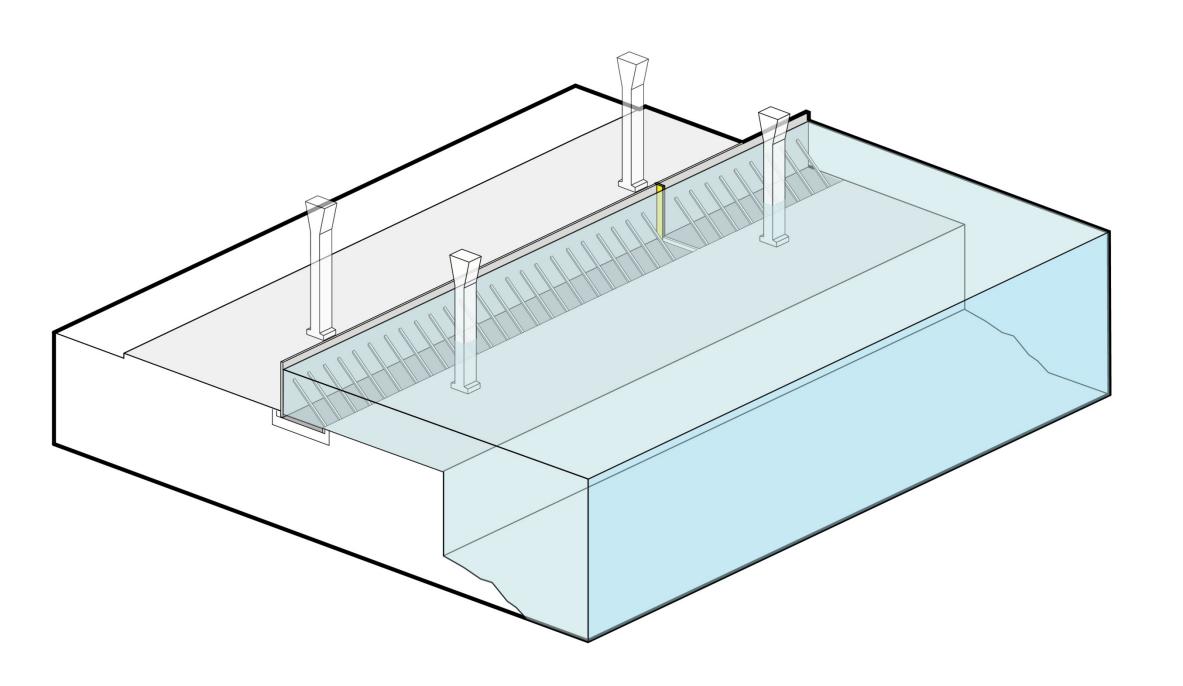
INFRASTRUCTURE | SET UP

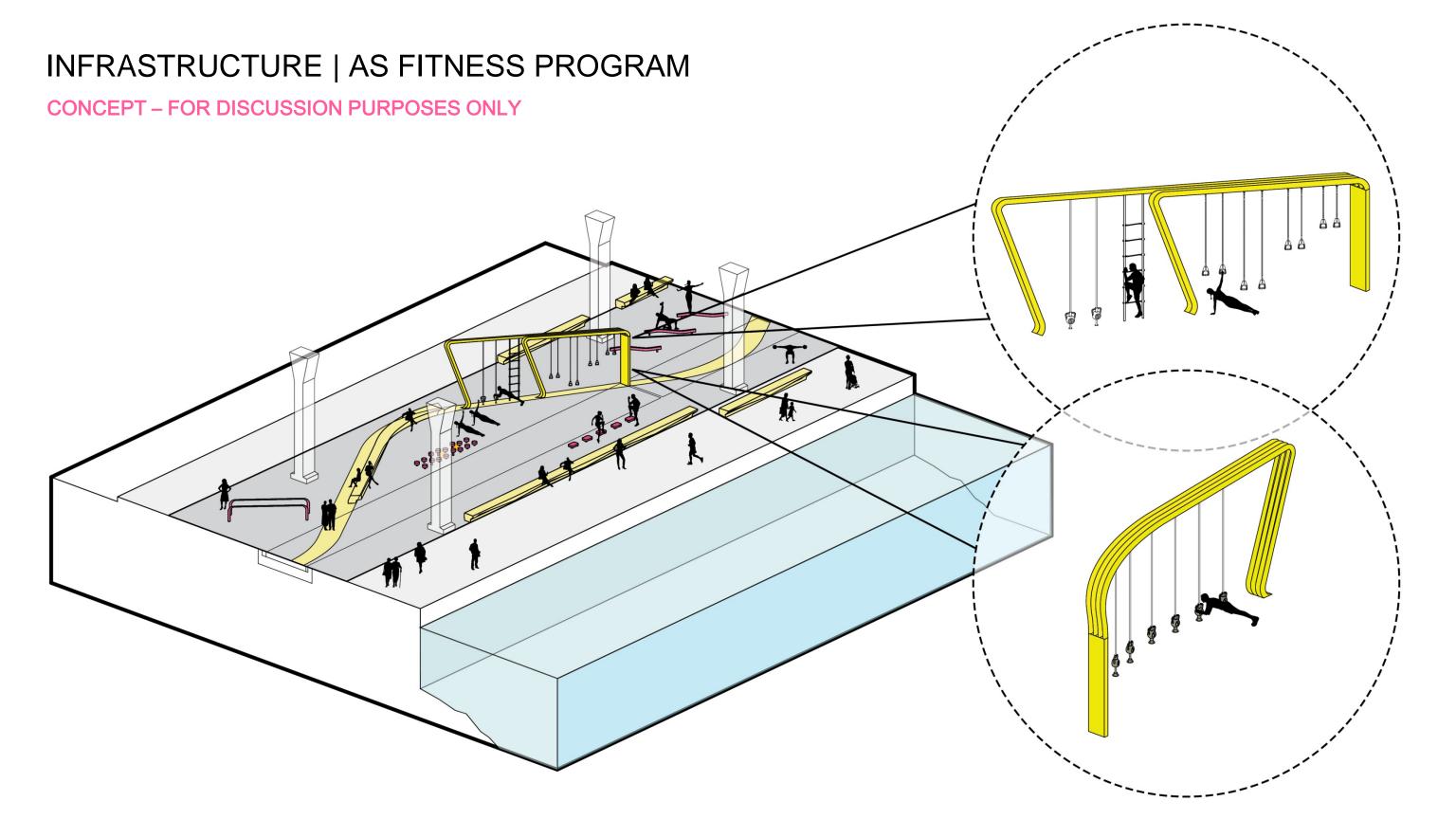
CONCEPT – FOR DISCUSSION PURPOSES ONLY

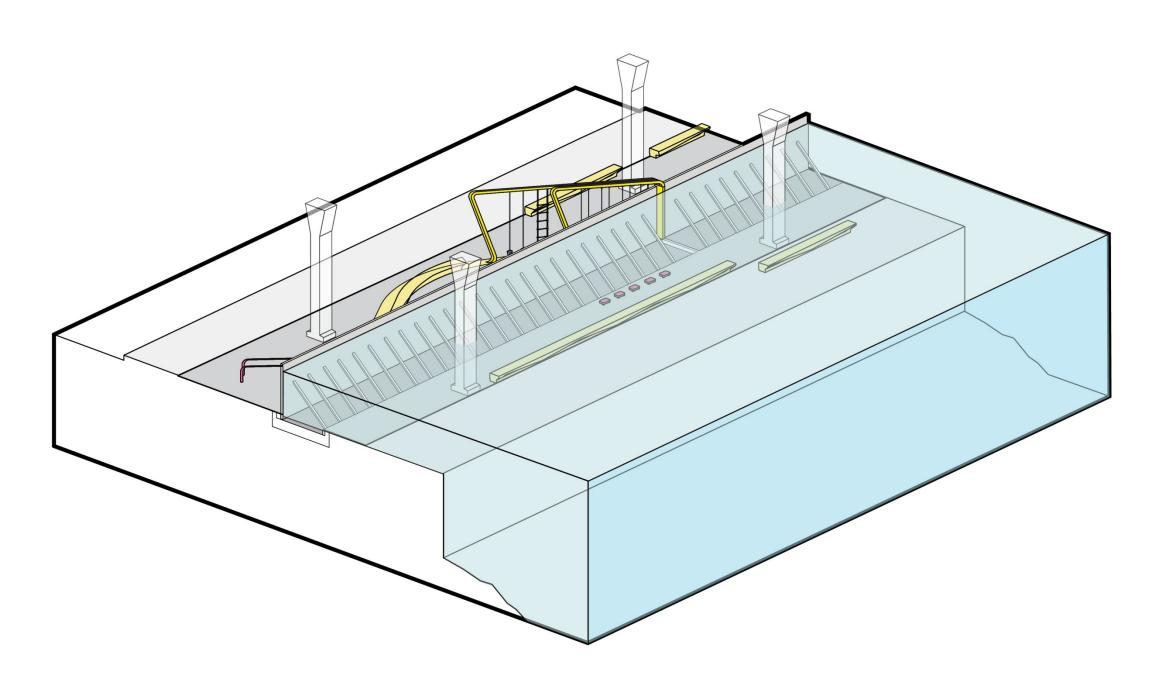


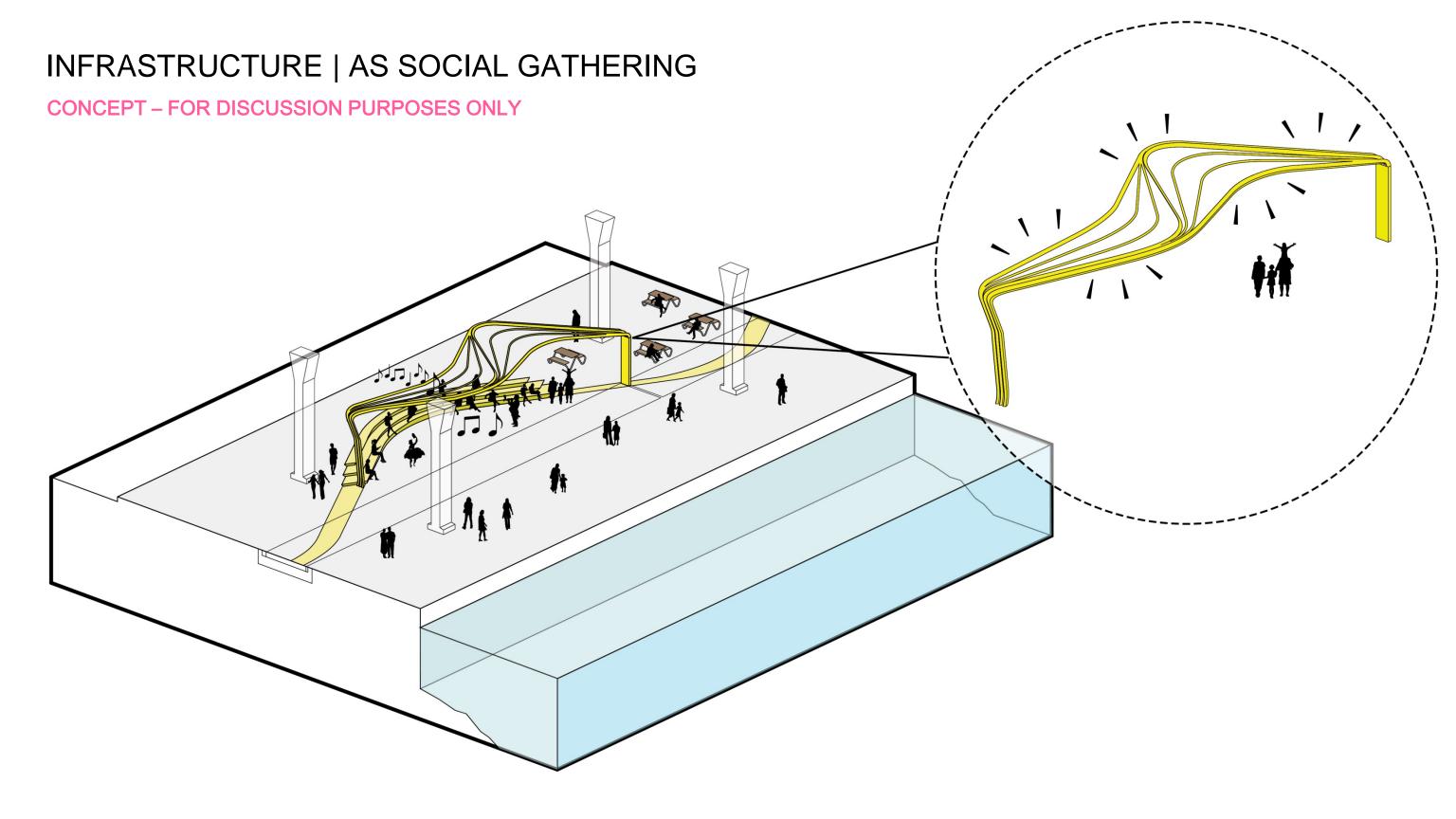
INFRASTRUCTURE | SET UP

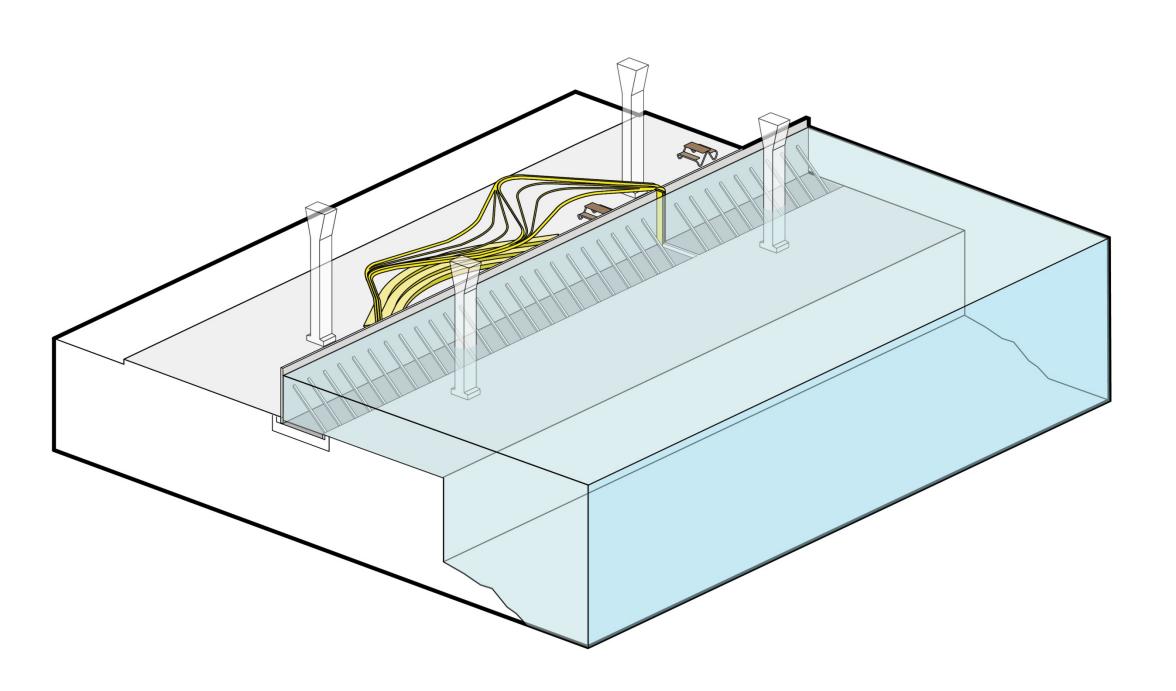
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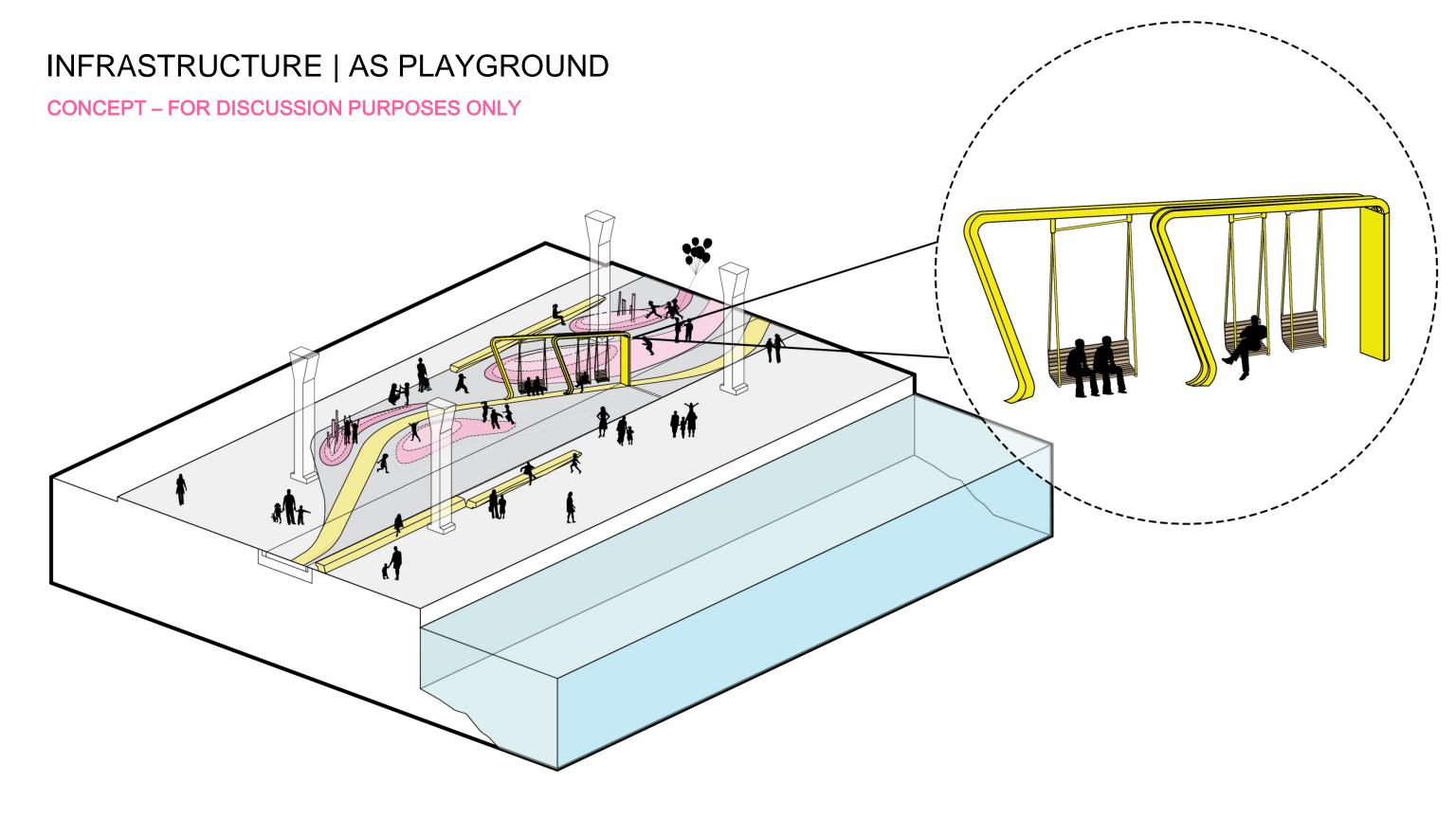


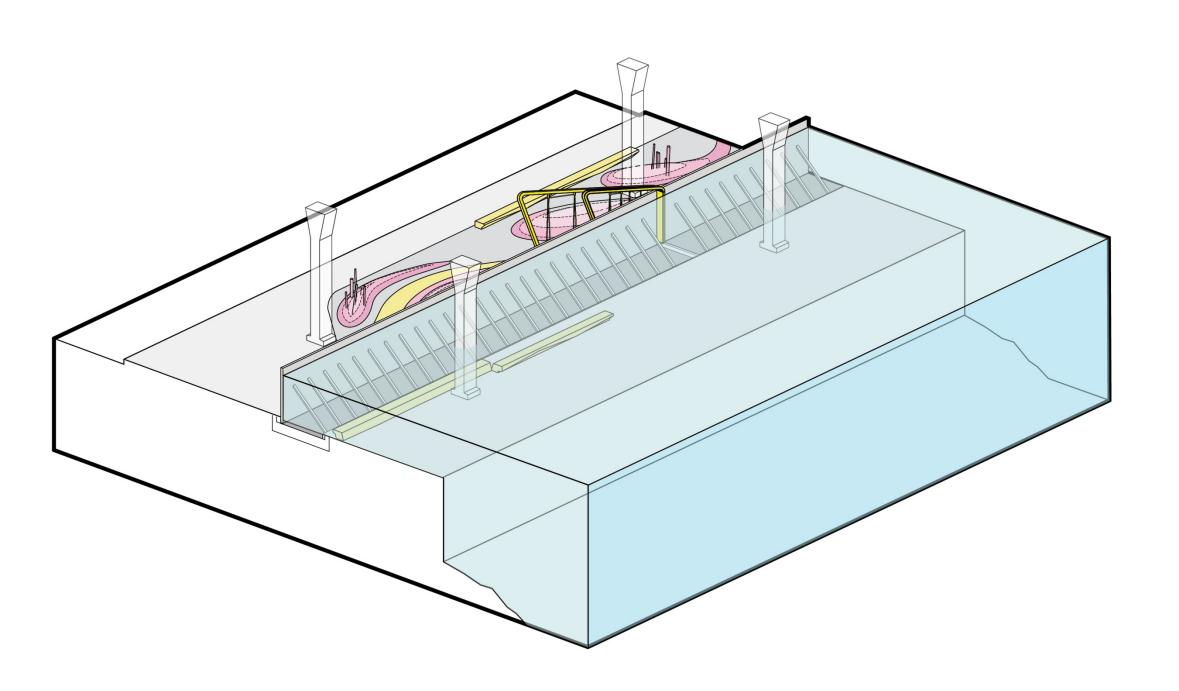


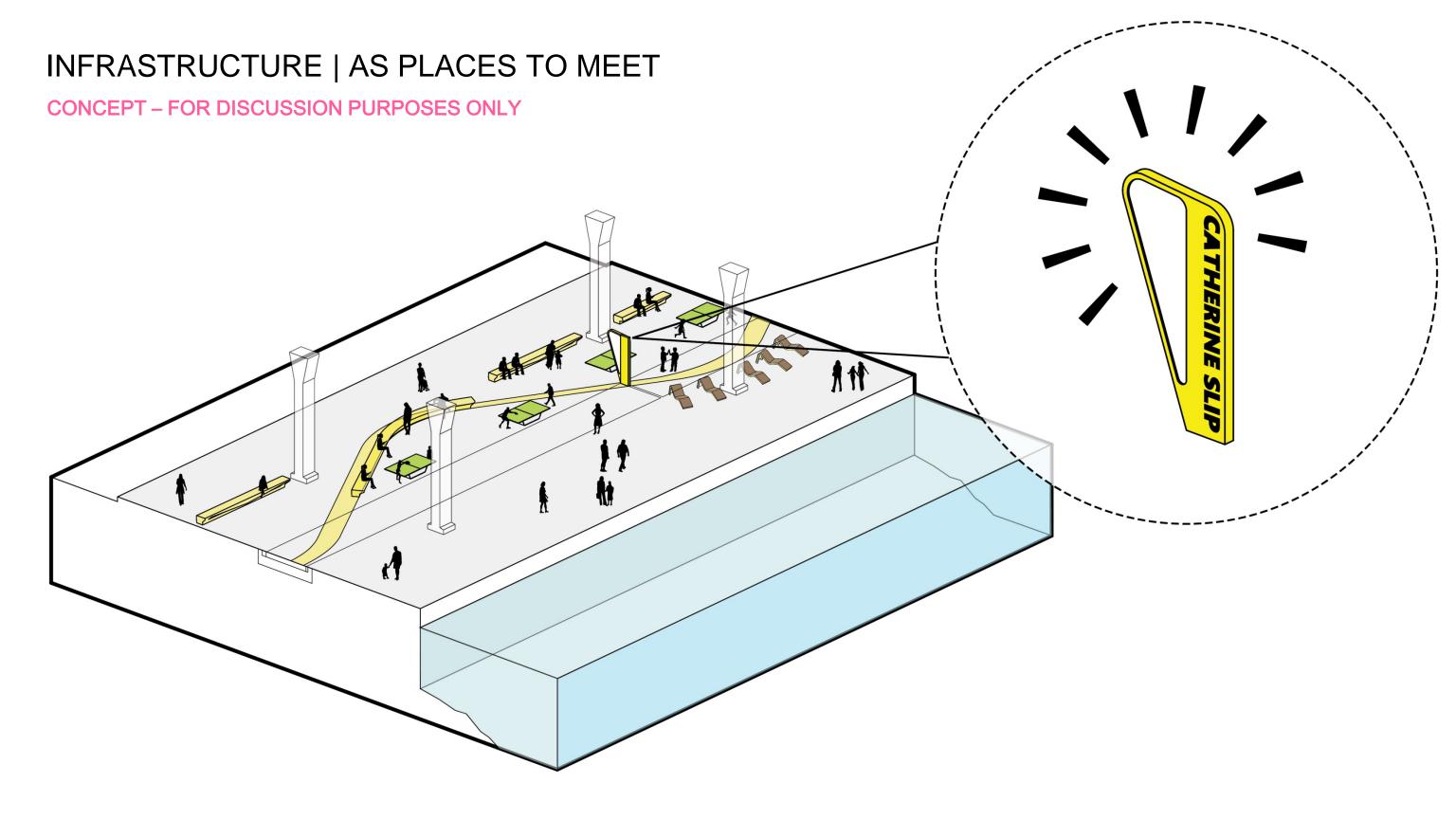


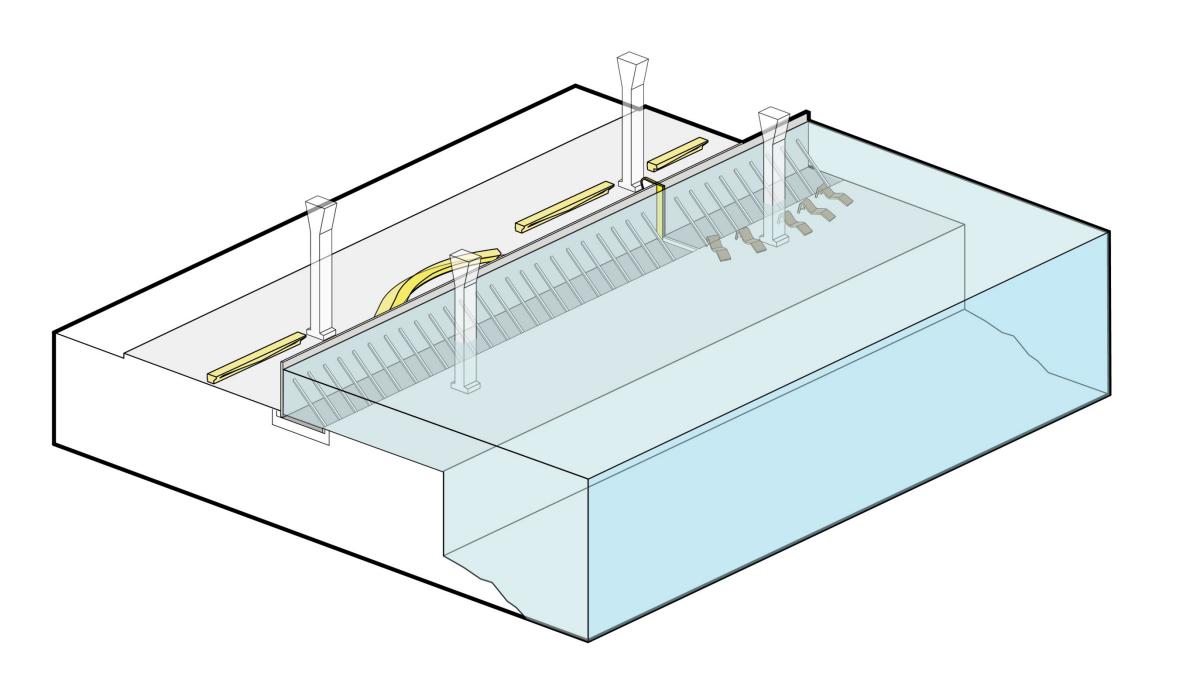




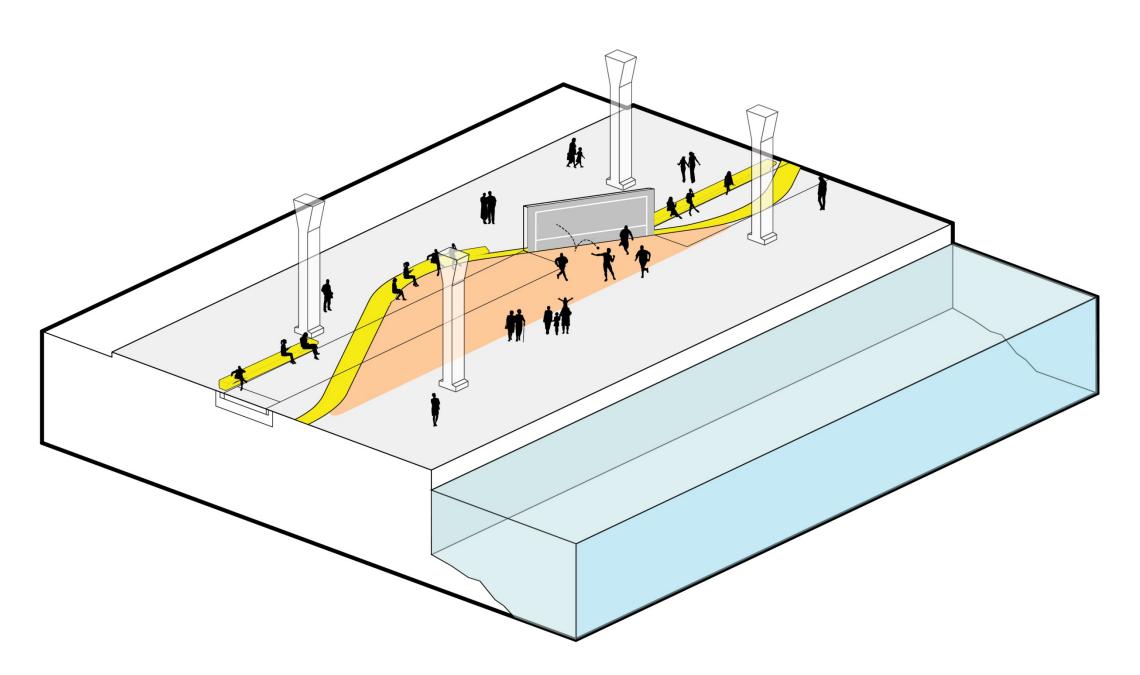


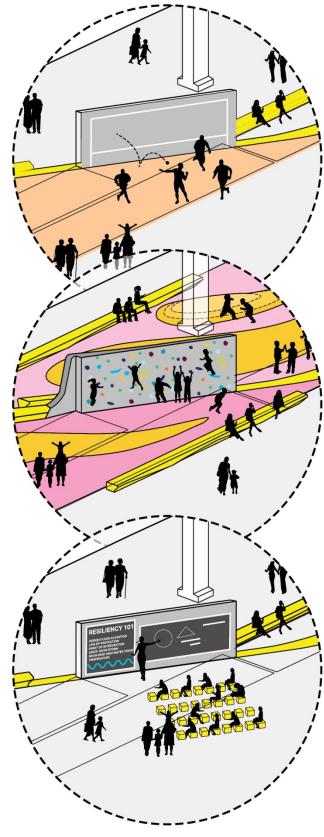


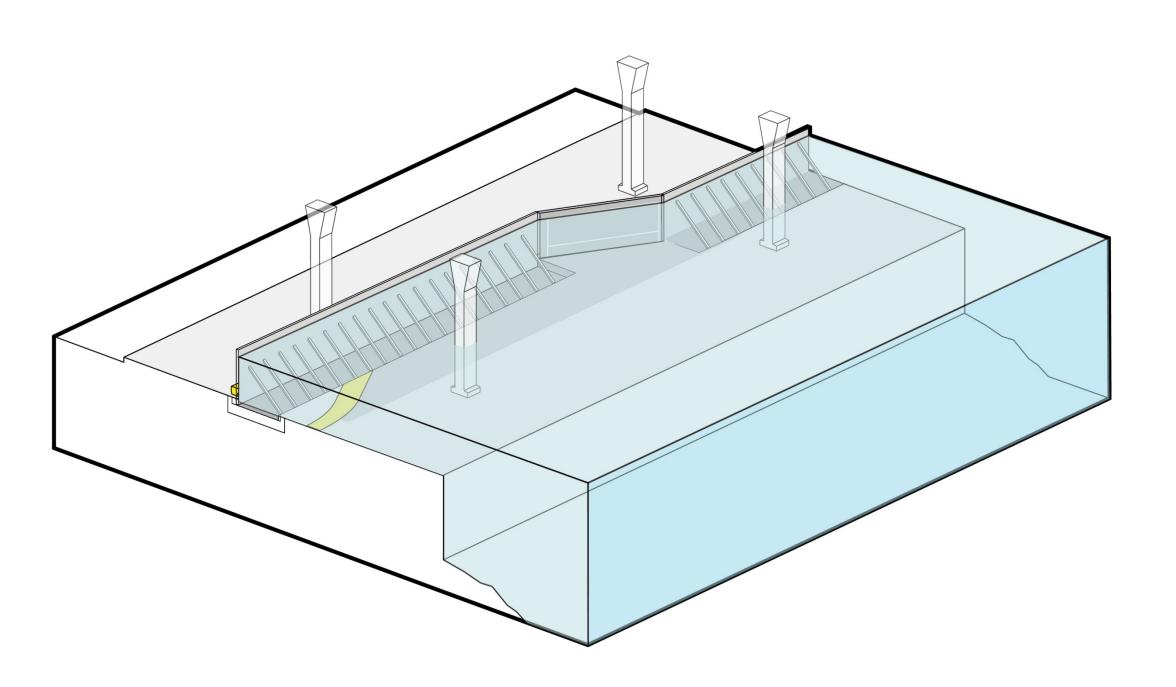




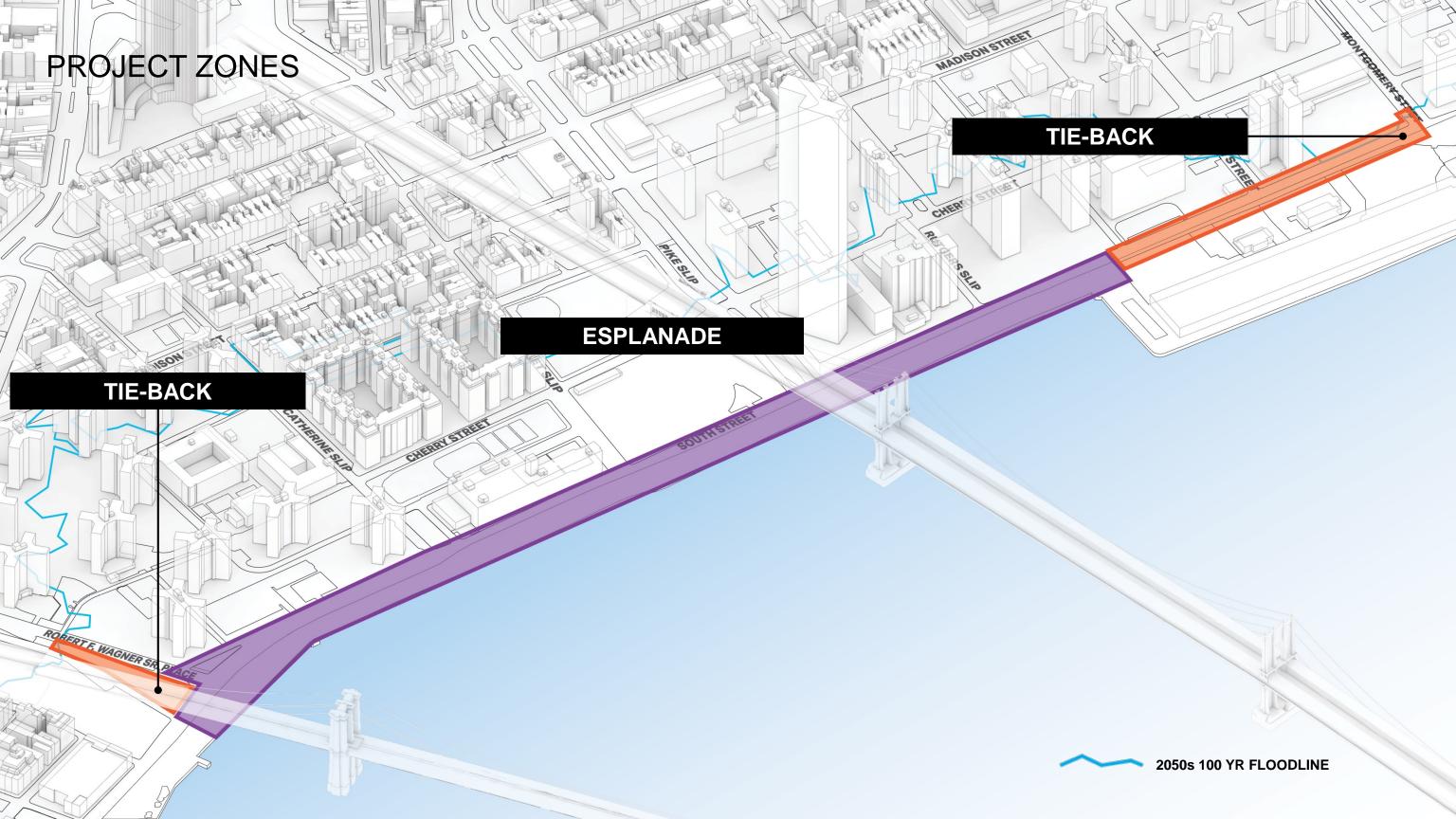
INFRASTRUCTURE | AS WALL ACTIVITIES







CONCEPT VIEWS



TIEBACK | EXISTING



TIEBACK | FLOOD INFRASTRUCTURE



TIEBACK | STORM



TIEBACK | EXISTING



TIEBACK | FLOOD INFRASTRUCTURE



TIEBACK | STORM



FITNESS



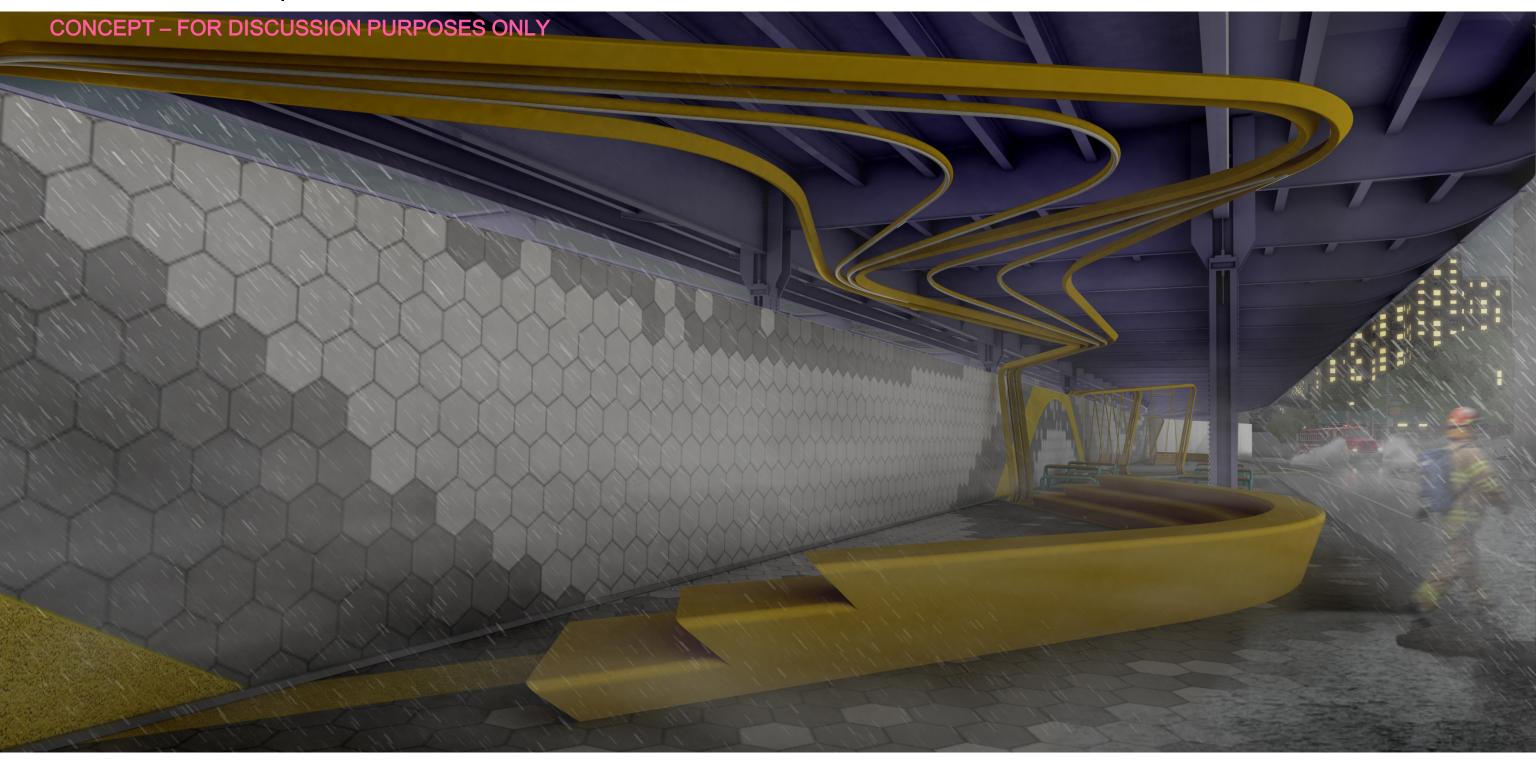
FITNESS | STORM



EVENT SPACE



EVENT SPACE | STORM



STAY IN TOUCH













In person



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