

West End Bridge Access Structures

Virtual Presentation - design updates
March 13, 2024

Riverlife +

BURO HAPPOLD

Christine Davis
Consulting, inc.

DEREK PORTER STUDIO

ELDORADO

LANGAN

MERRITT
CHASE

Sans façon

Schtek
CONSULTANTS, INC.

Thornton Tomasetti

Updated Concept

Overall Site Narrative

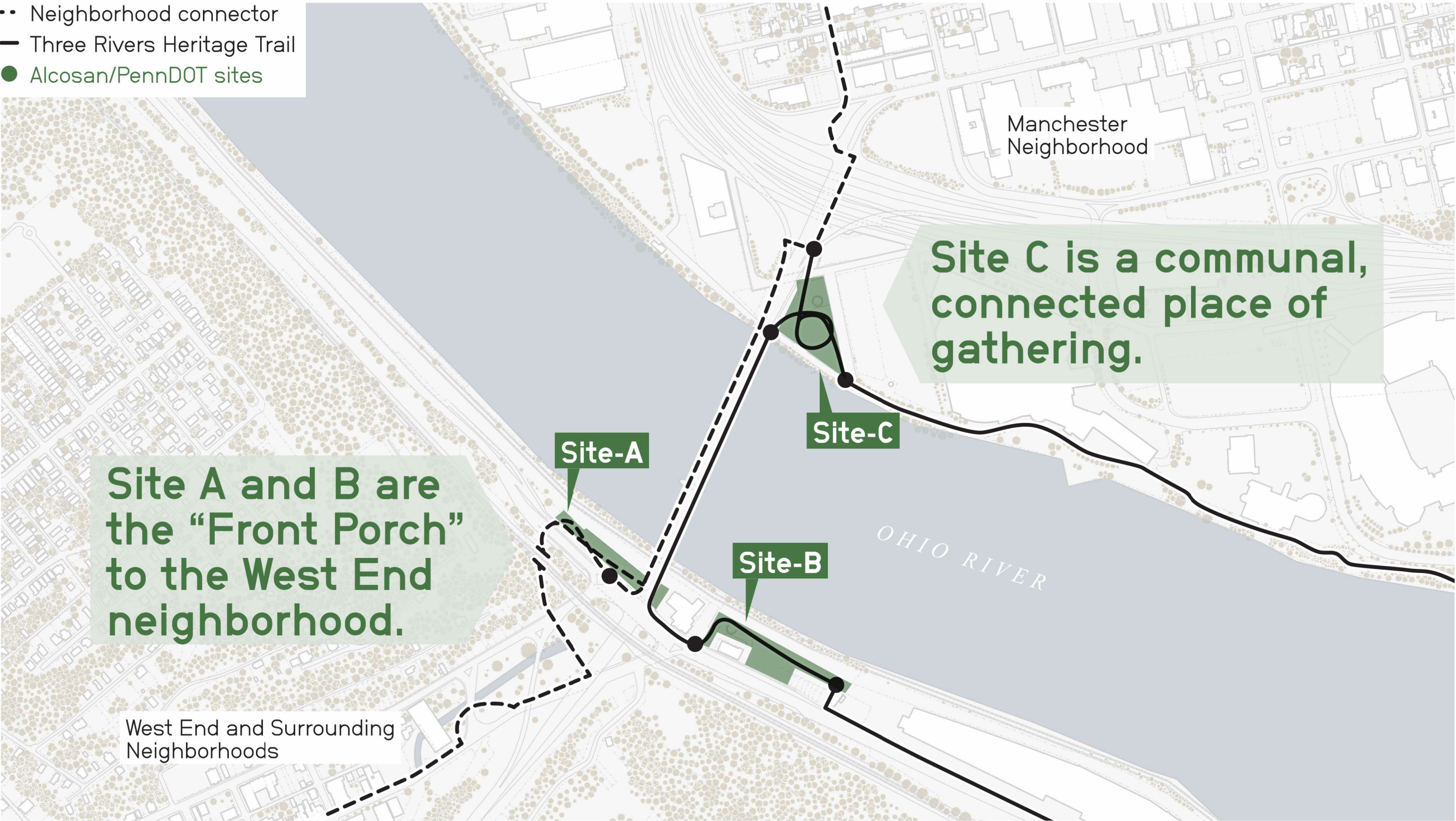


- 1.** Efficient and safe biking and pedestrian experience.
- 2.** Passive programming with scattered intimate gathering spaces.
- 3.** Meandering, gentle structures framing and emphasizing the natural landscape and ecosystems.

Overall Site Narrative



- Neighborhood connector
- Three Rivers Heritage Trail
- Alcosan/PennDOT sites



Site A and B are the “Front Porch” to the West End neighborhood.

Site C is a communal, connected place of gathering.

Site-A

Site-C

Site-B

OHIO RIVER

Manchester Neighborhood

West End and Surrounding Neighborhoods

A unified approach

Landscape, architecture, structure, lighting, accessibility, art, connectivity, history...

...The project brings together each of these elements into a singular approach that tells a story of Pittsburgh, it's people, it's history, and it's ecologies.



The diagram consists of four irregular, rounded shapes arranged horizontally. Each shape has a thick outline and contains a single word. The shapes are colored as follows: the first is dark grey, the second is orange, the third is olive green, and the fourth is teal. The words are written in a bold, sans-serif font, with the color of the text matching the color of the shape's outline.

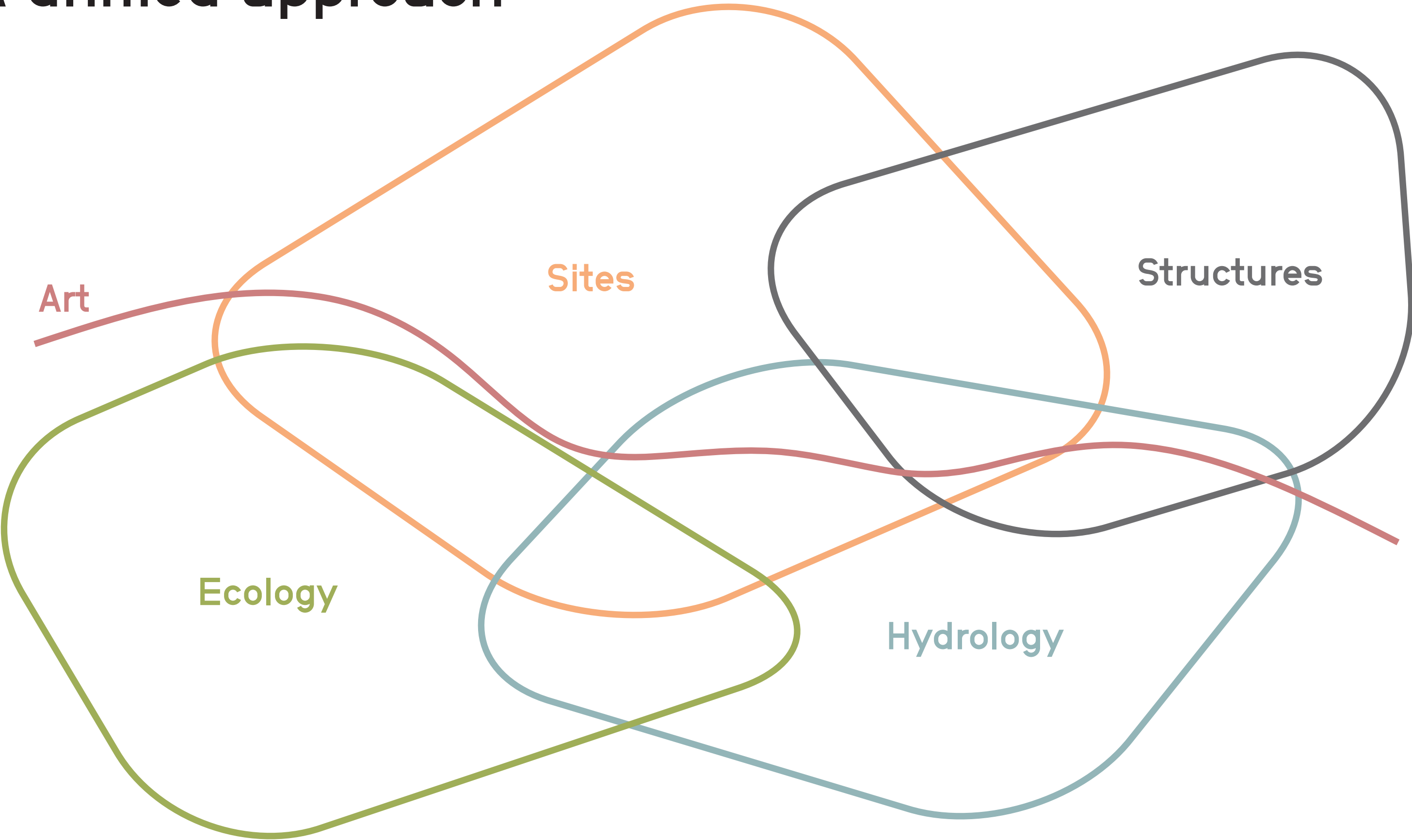
Structures

Sites

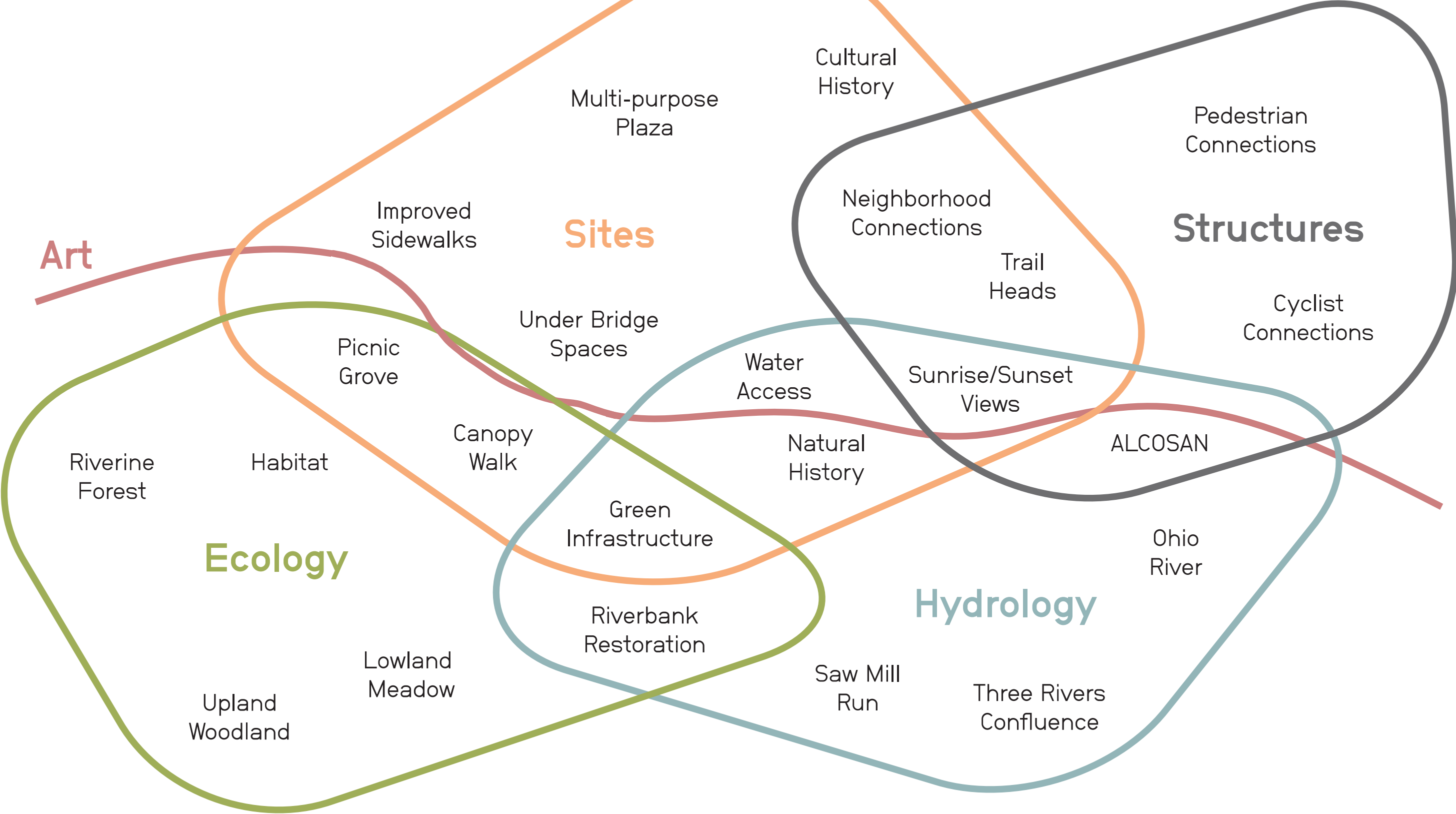
Ecology

Hydrology

A unified approach



A unified approach



Project Approach



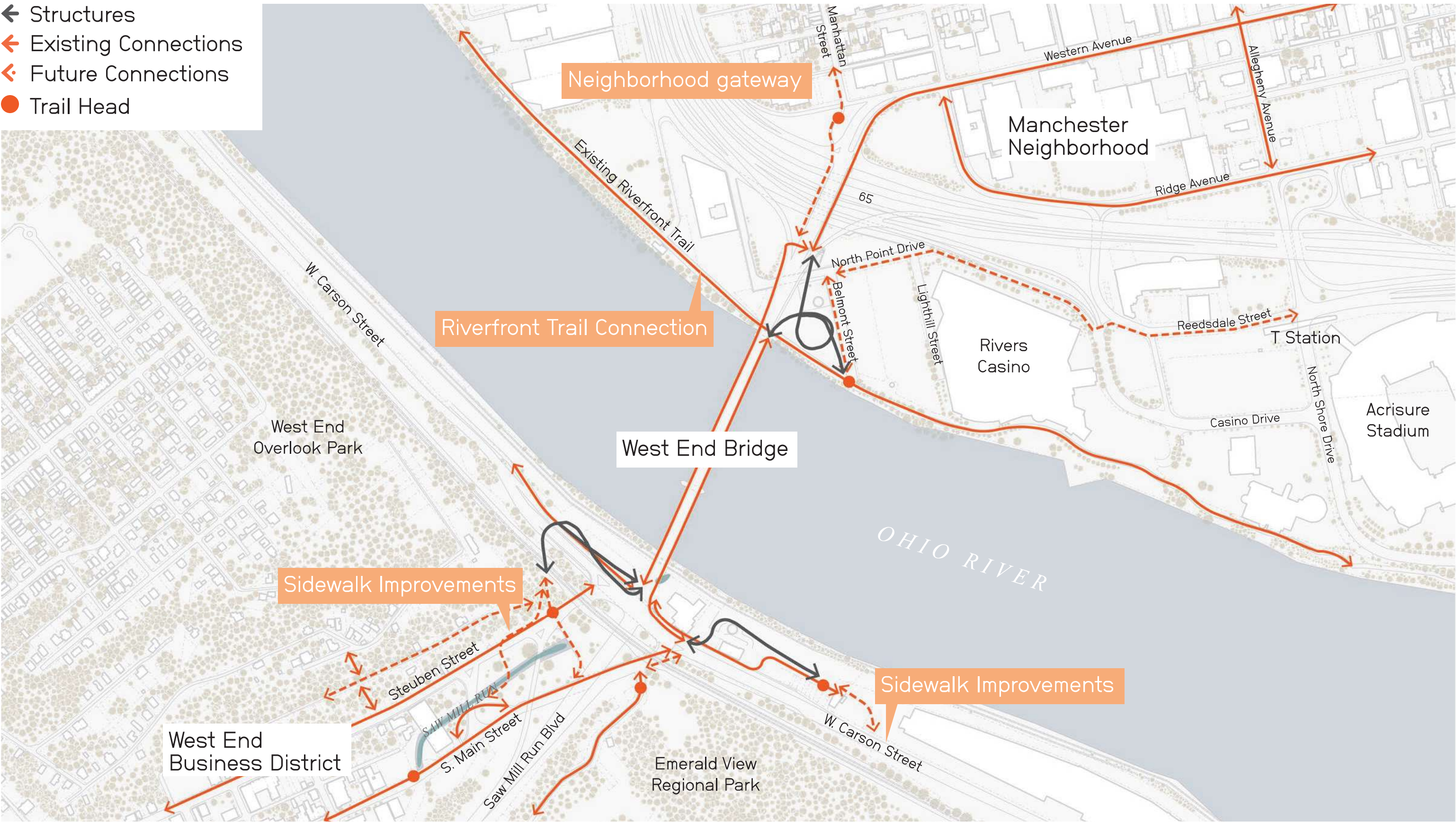
- ← Structures
- ↔ Existing Connections
- ↔ Future Connections
- Trail Head



Project Approach - Sites



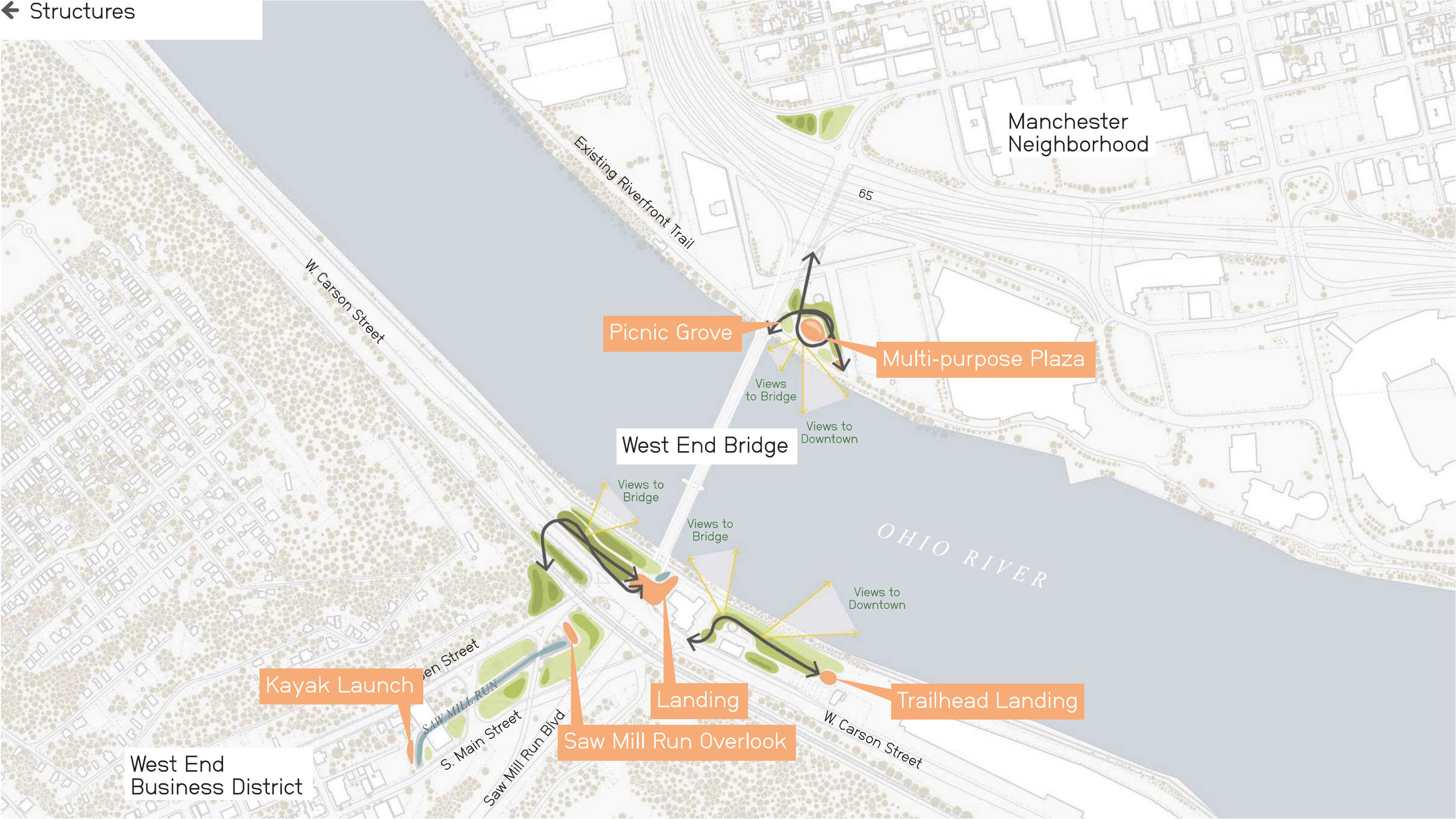
- ← Structures
- ↔ Existing Connections
- ↔ Future Connections
- Trail Head



Project Approach - Sites



← Structures



Project Approach - Ecology



← Structures



Project Approach - Hydrology

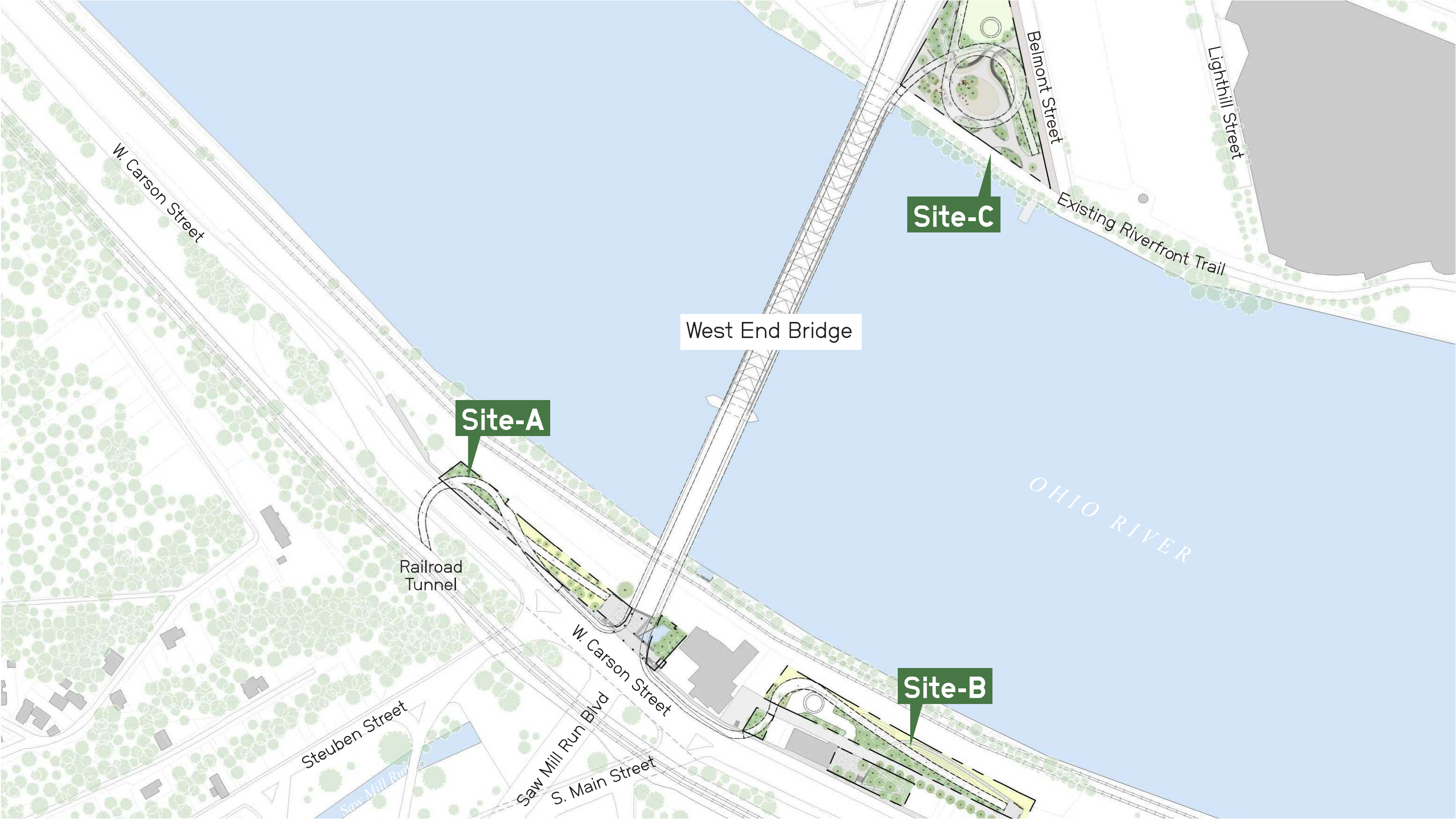


← Structures

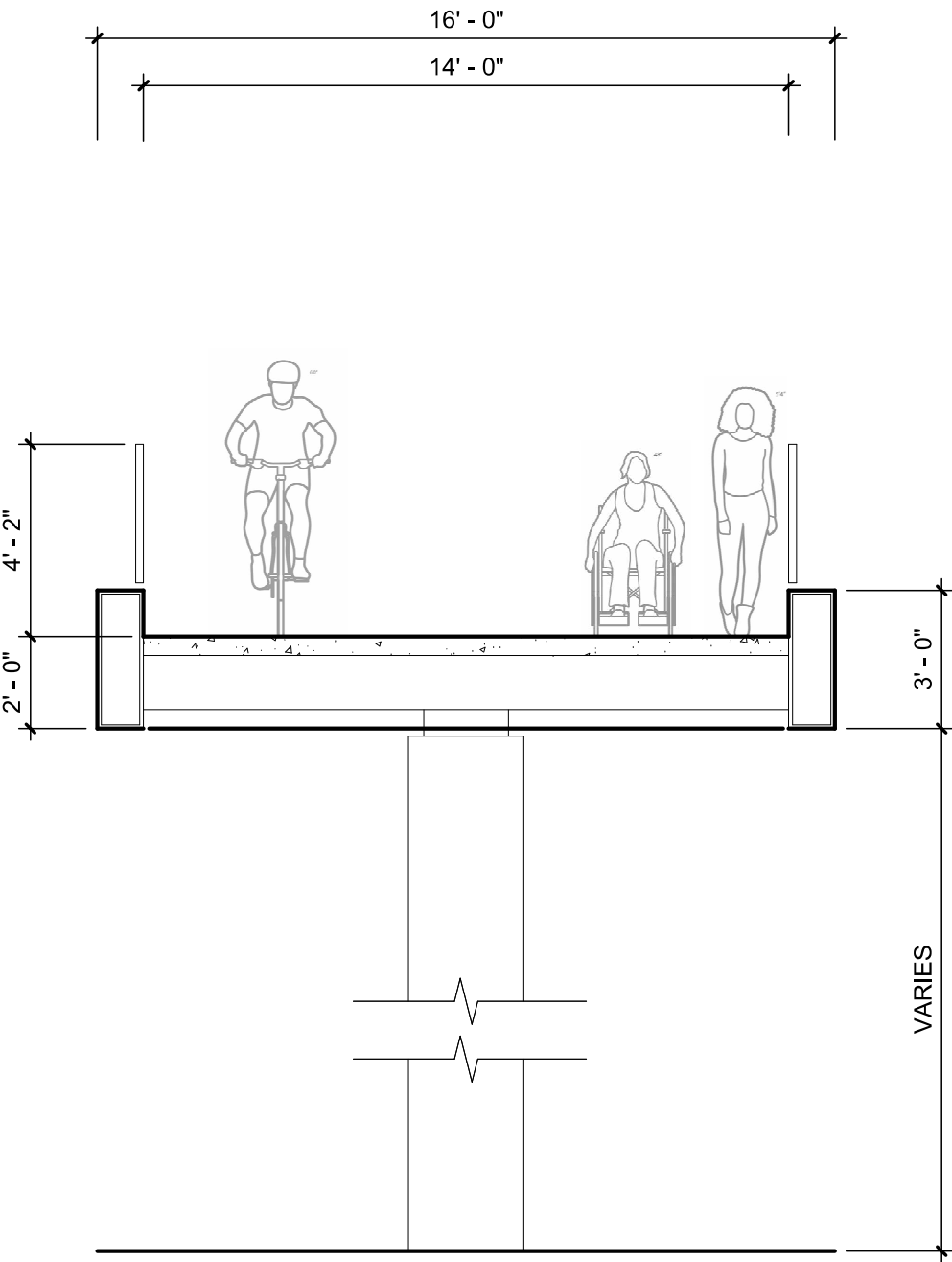


Concept Detail

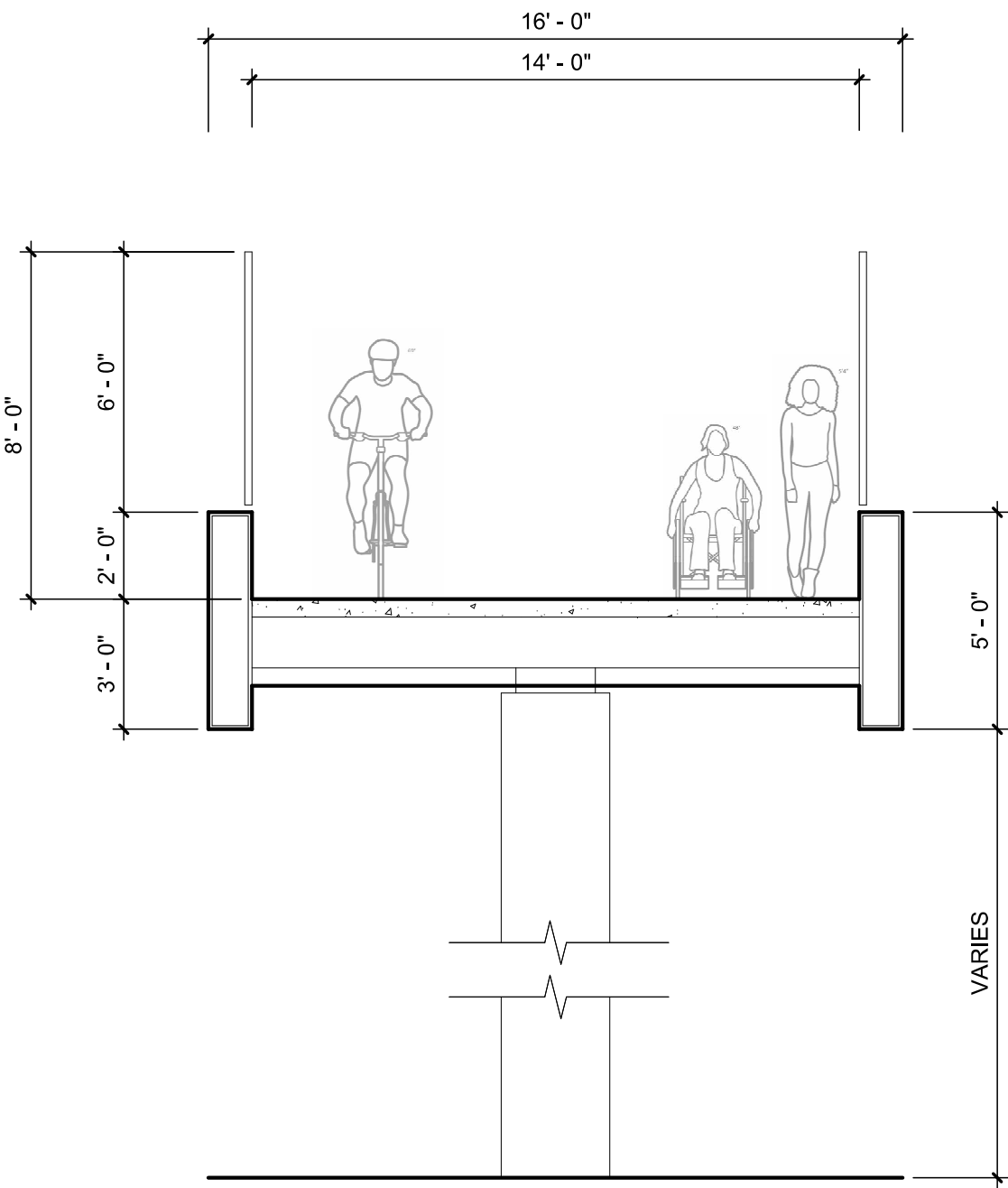
Overall Site Plan



A Shared Use Path



Typical structure section



Long-span structure section

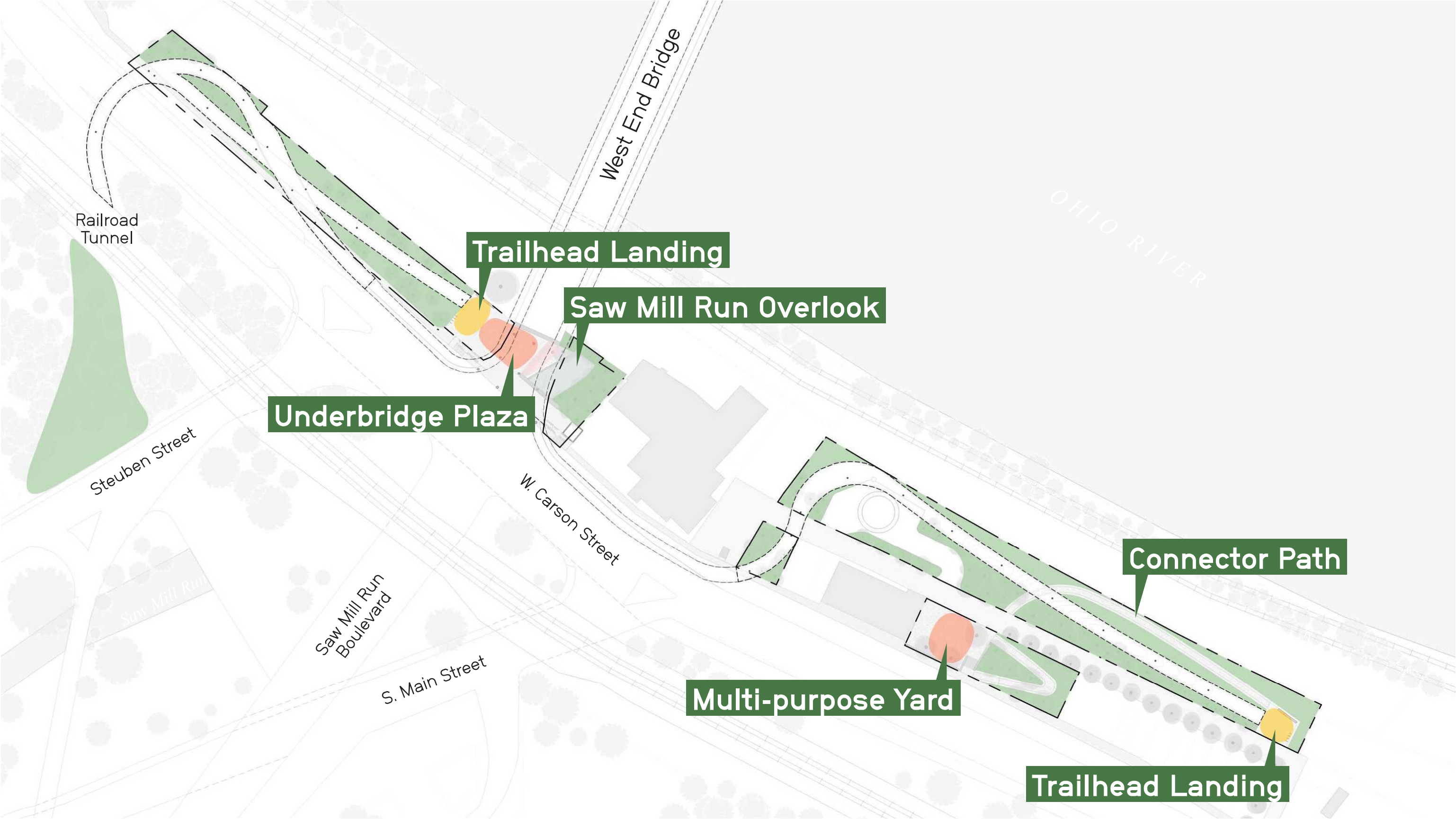
West End Existing Conditions



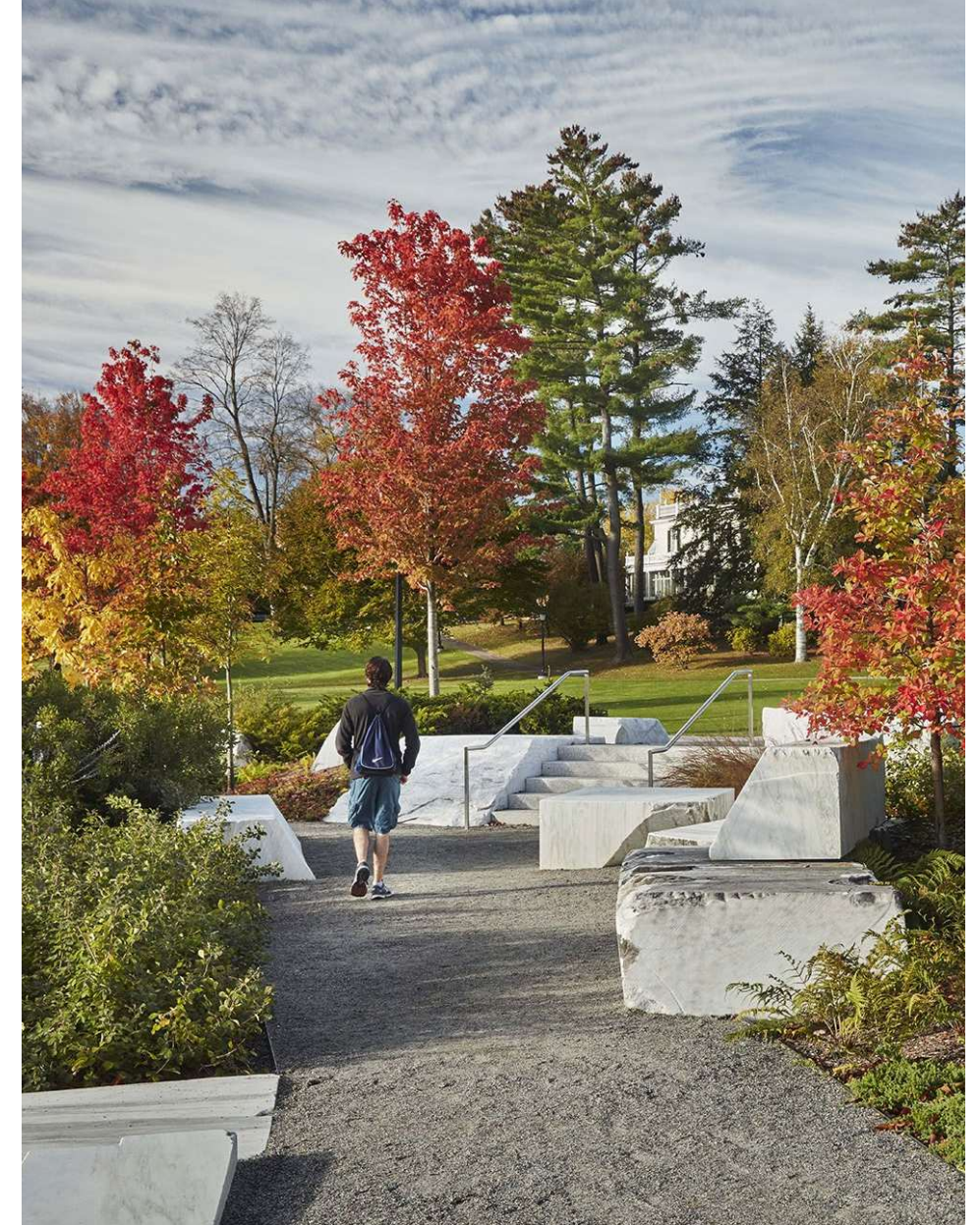
Site-A + Site-B Site Plan



Site-A + Site-B Program

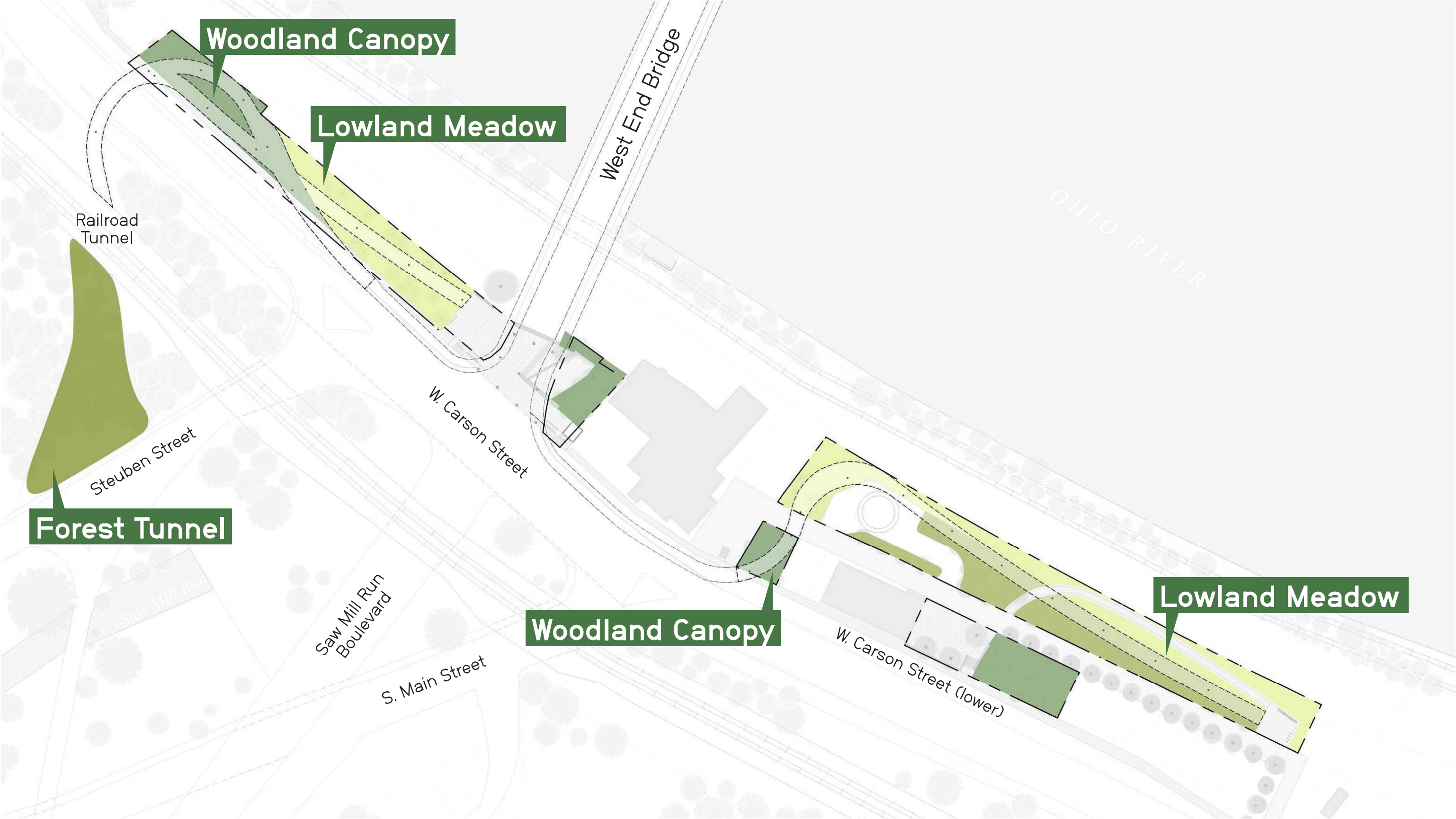


Trailhead Landings

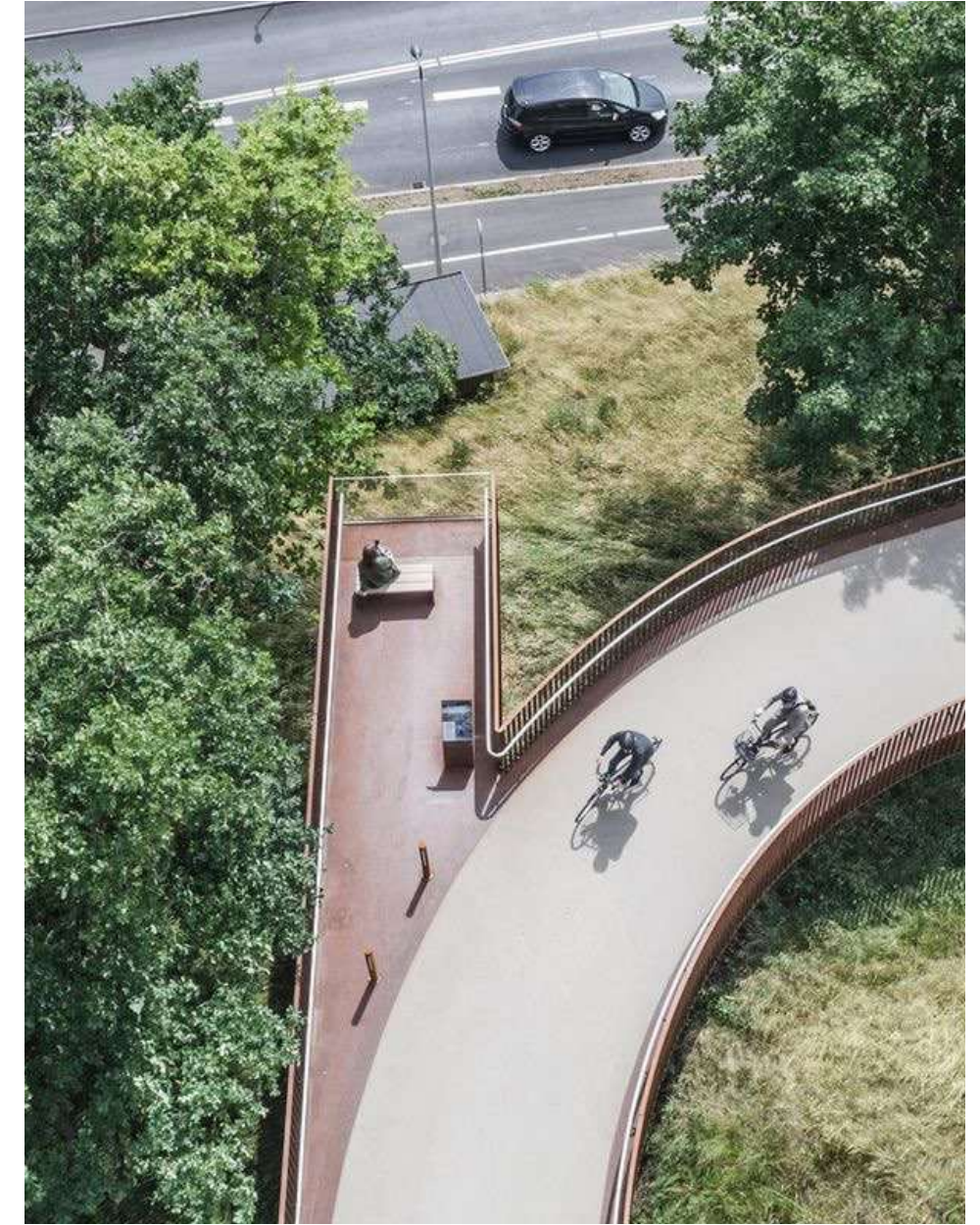
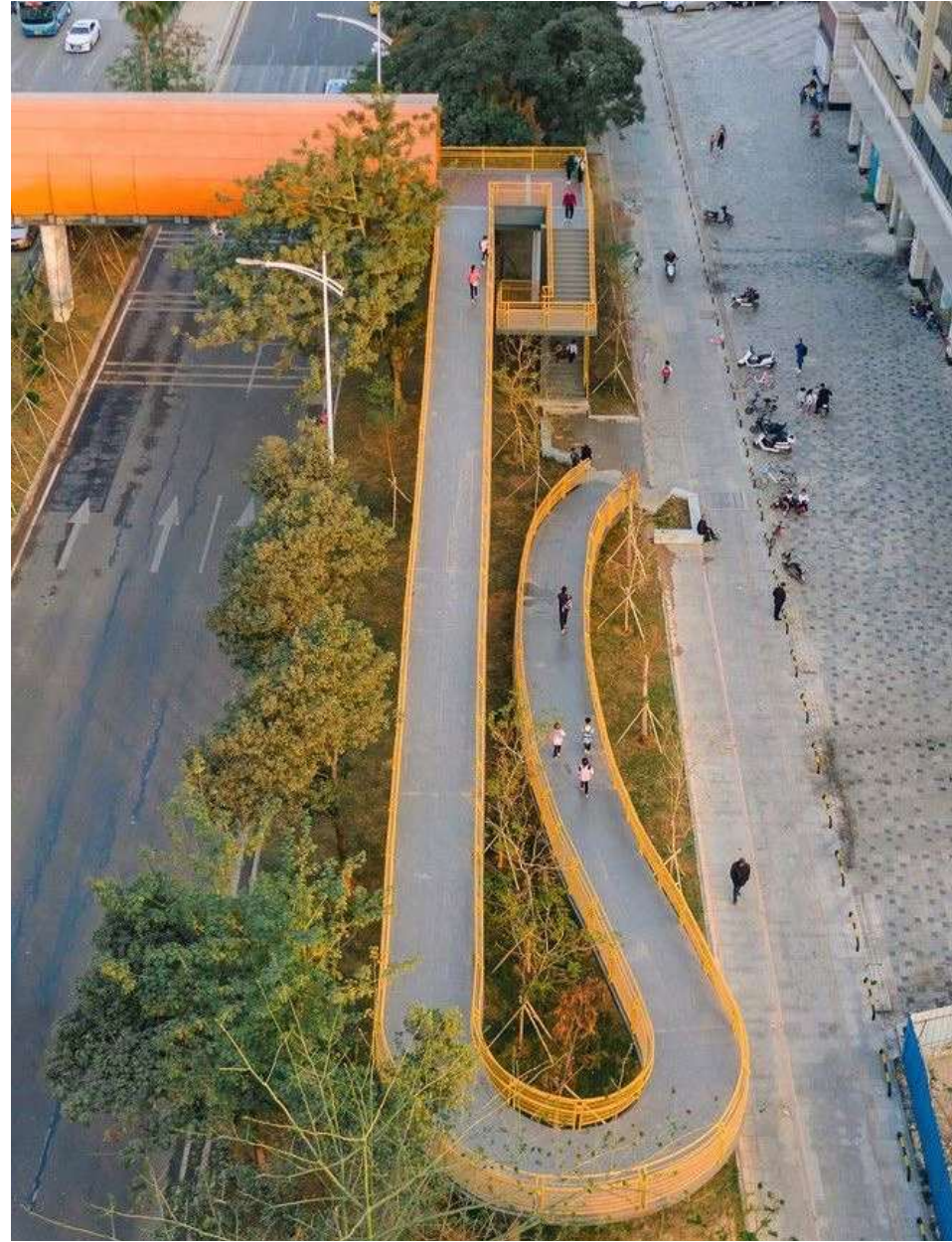


Trailhead landings are the gateways to the structures. These areas provide typical trail amenities including seating, signage, litter receptacles, and bike racks.

Site-A + Site-B Planting



Woodland Canopy

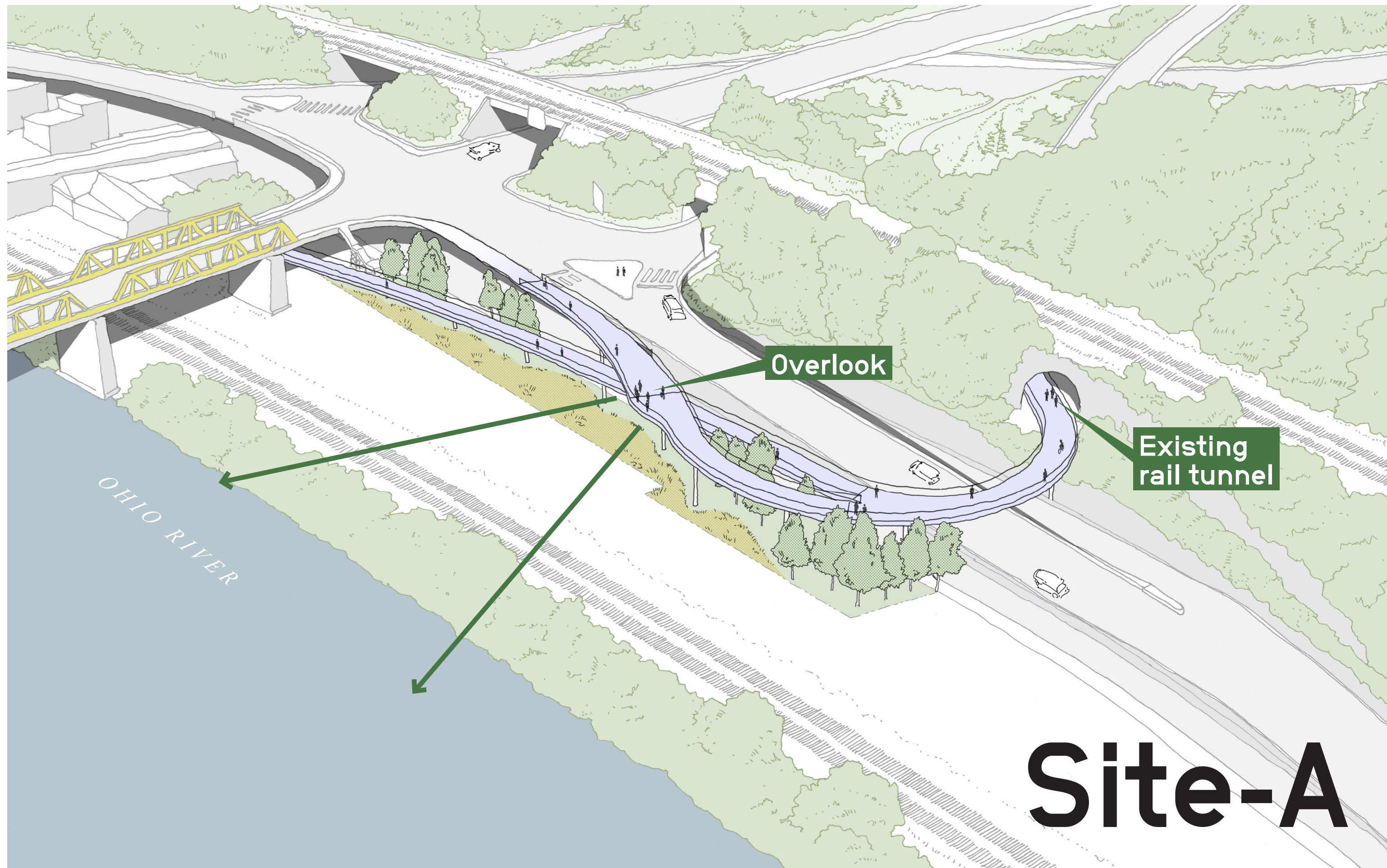


The path weaves through a canopy of woodland trees. Dense groves of trees are planted near the top of the structure to create the sense of moving through the canopy. Fewer trees along the riverfront edge allow for open views to the West End Bridge and the Point.

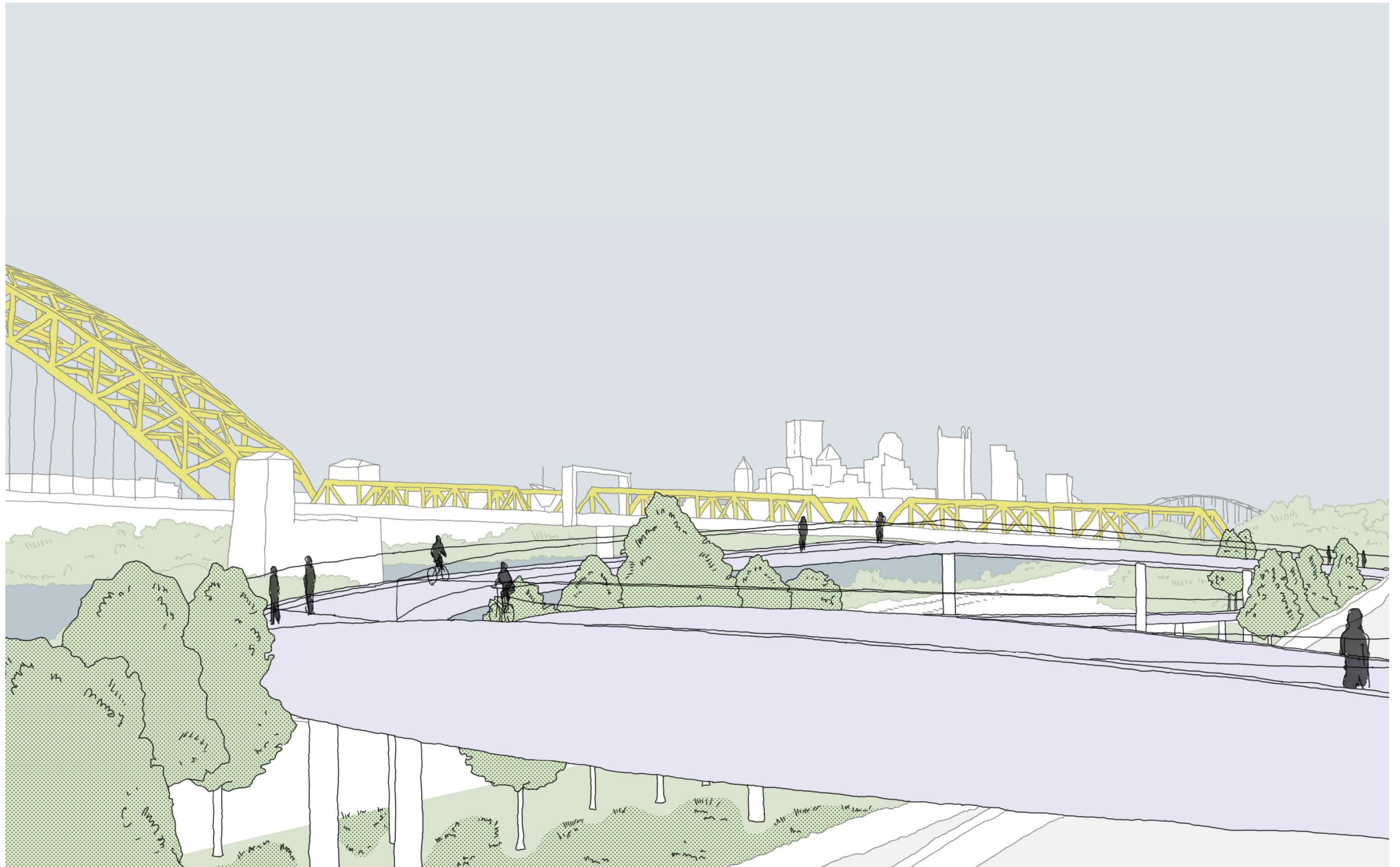
Lowland Meadow



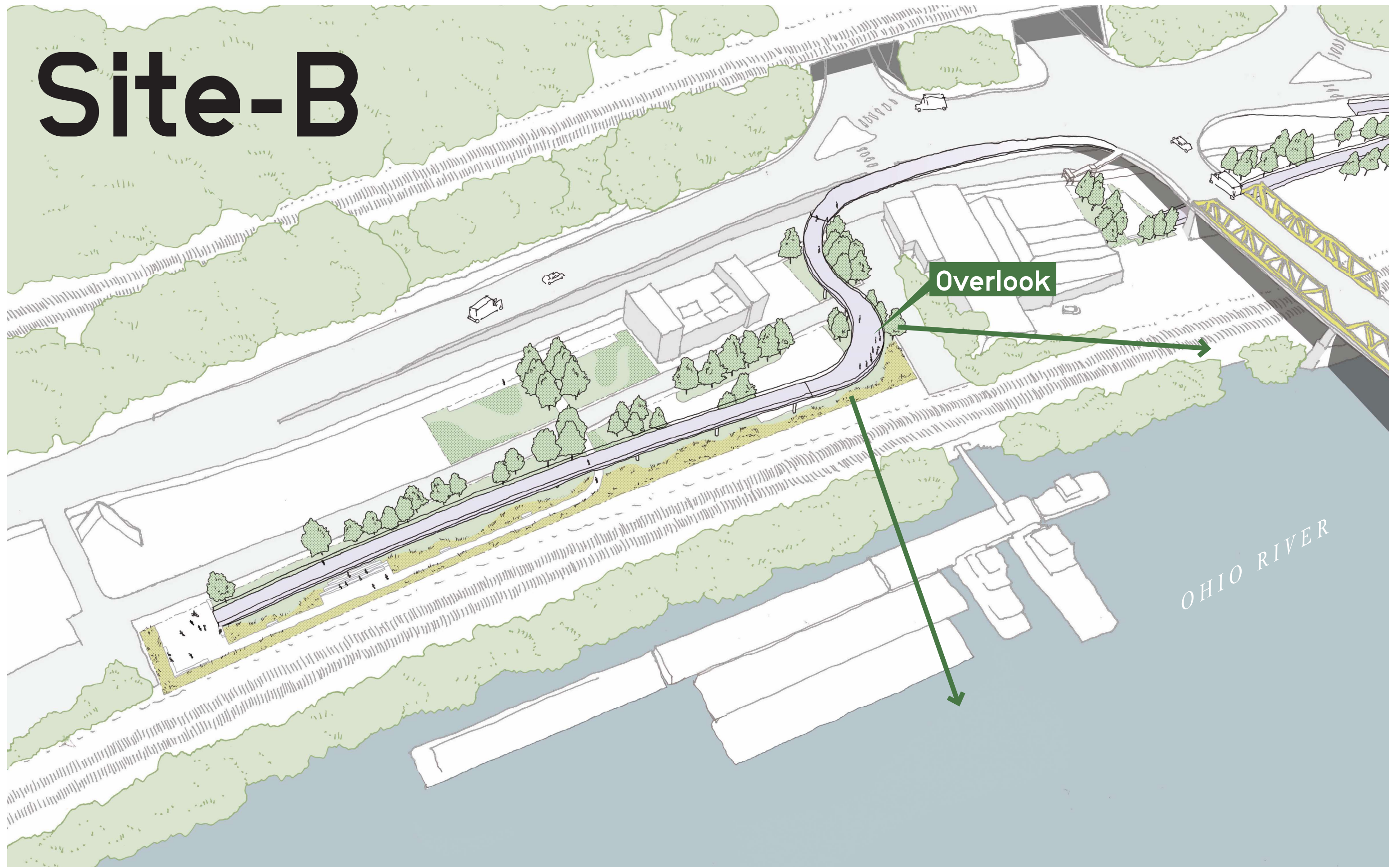
Lowland meadow planting is established on the riverfront side of the structures. The path slices through the meadow. Low planting height keeps views open toward the West End Bridge and the City.

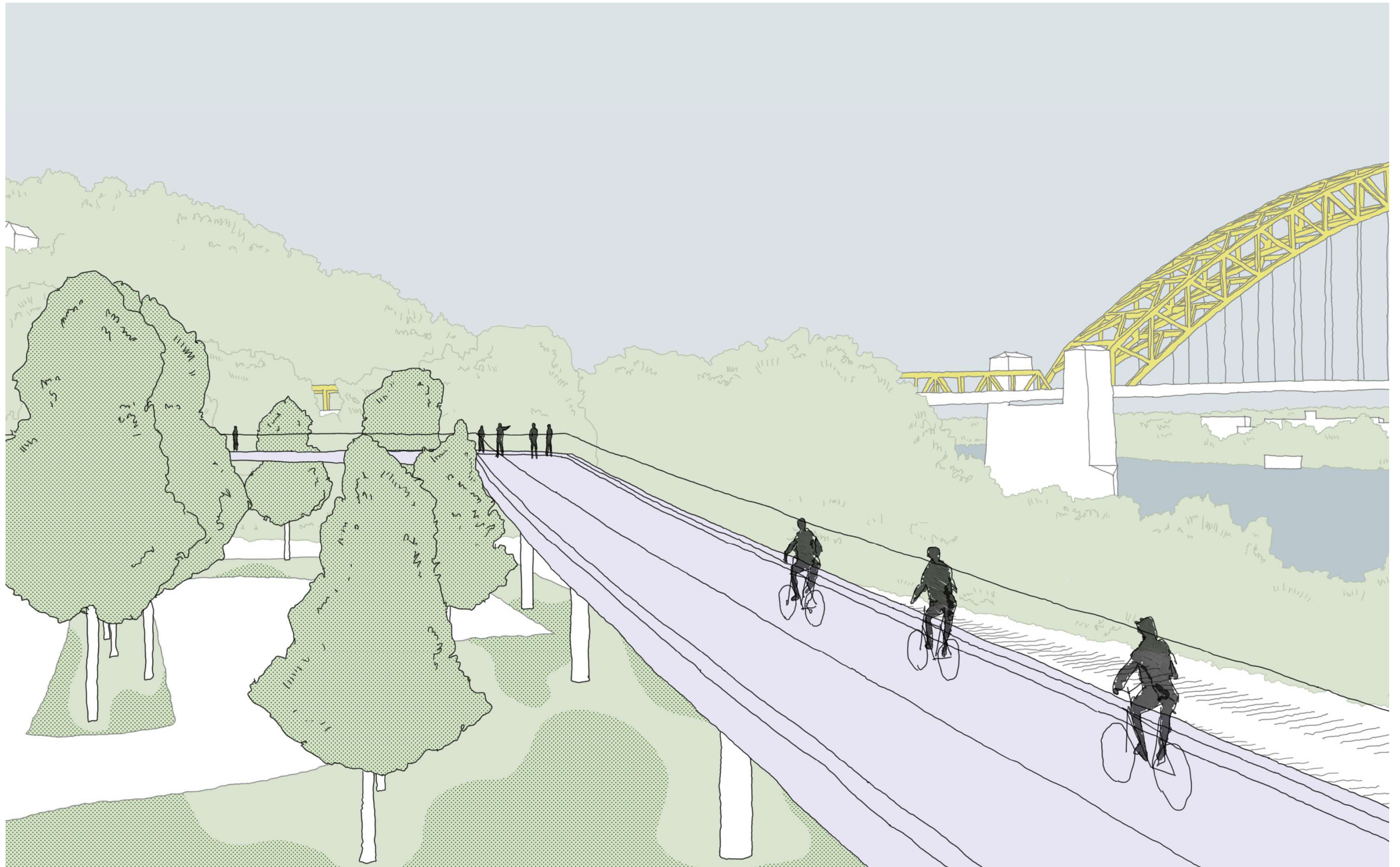


Site-A



Site-B





Site-B



Toolkit

Visual Calming

Ped Symbols



Bike Symbol



Yield Markings



Zebra Crossing



Visual Narrowing



Diamond Markings



Speed Calming

Bollards



Flexible Delinator



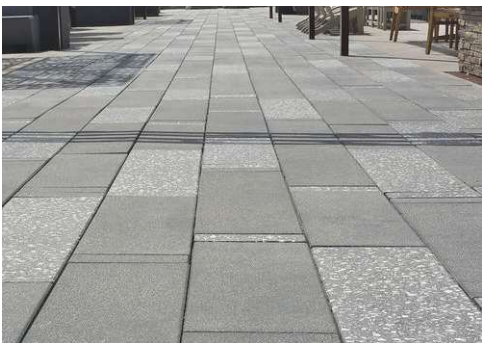
Tactile Pavers



Cobbled Pavers



Textured Pavers



Textured green paint



Management

Plant Trimming



Trail User Count



Bike Signals



Consolidated Crossings



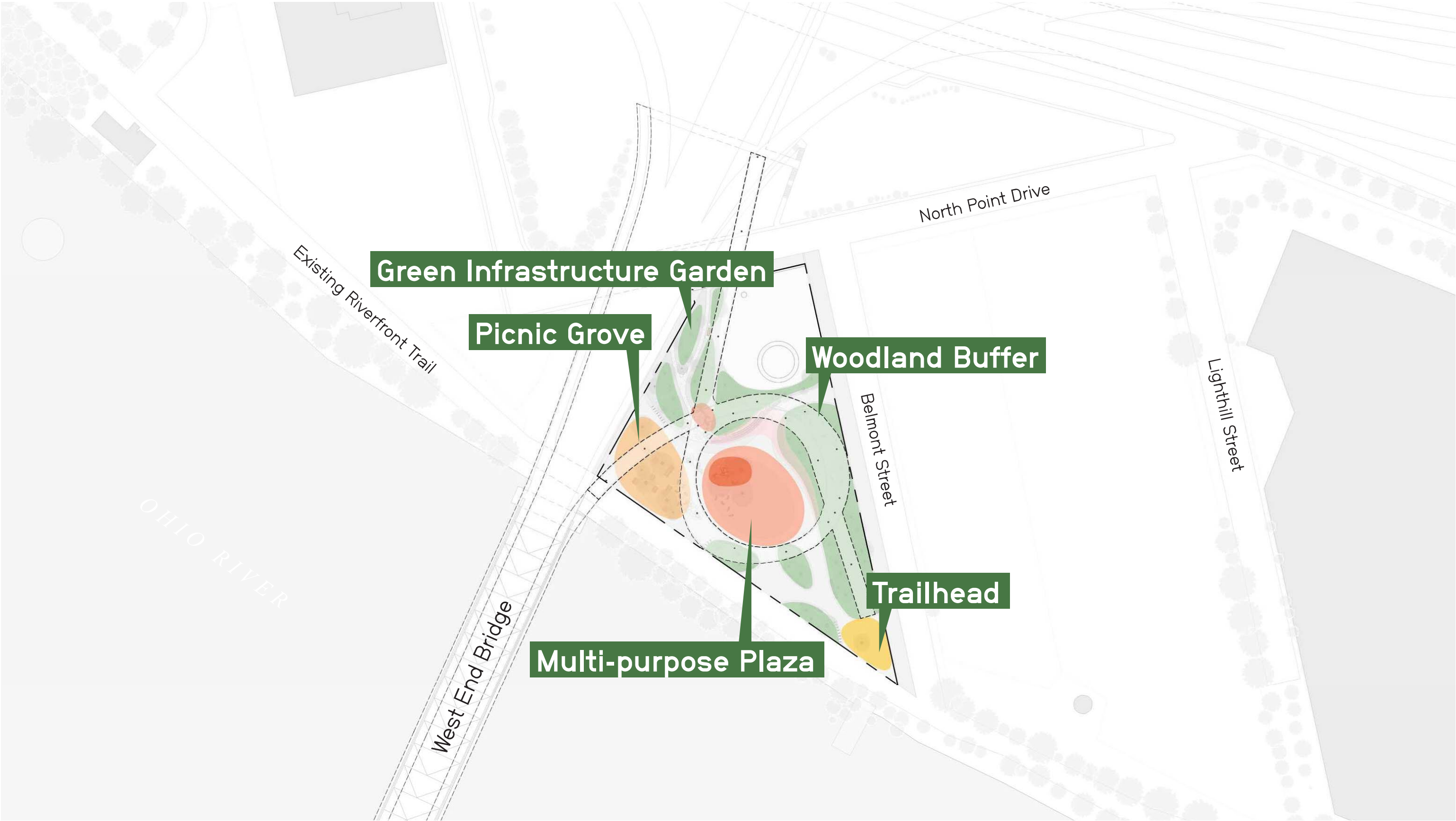
Manchester Existing Conditions



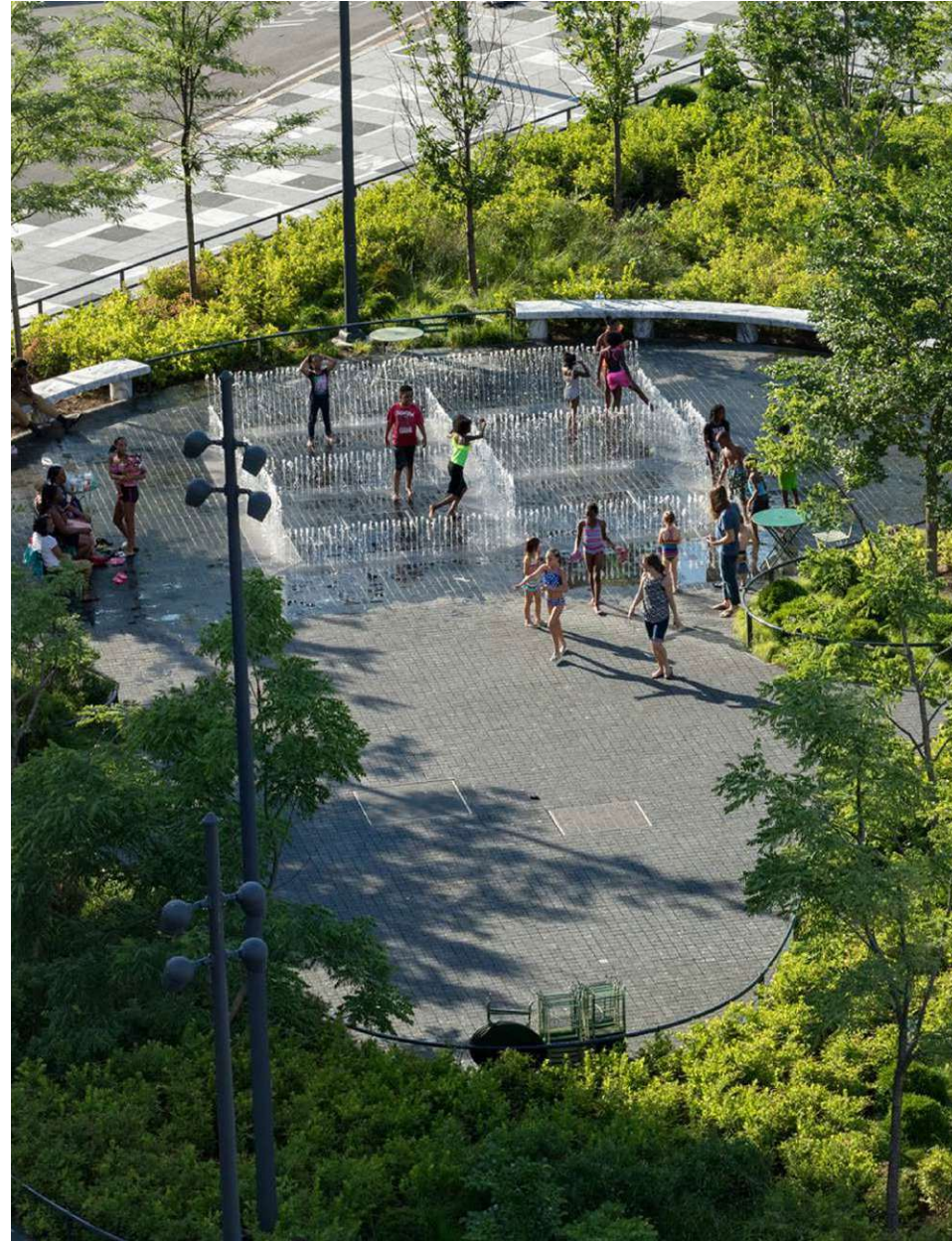
Site-C Site Plan



Site-C Landscape Character

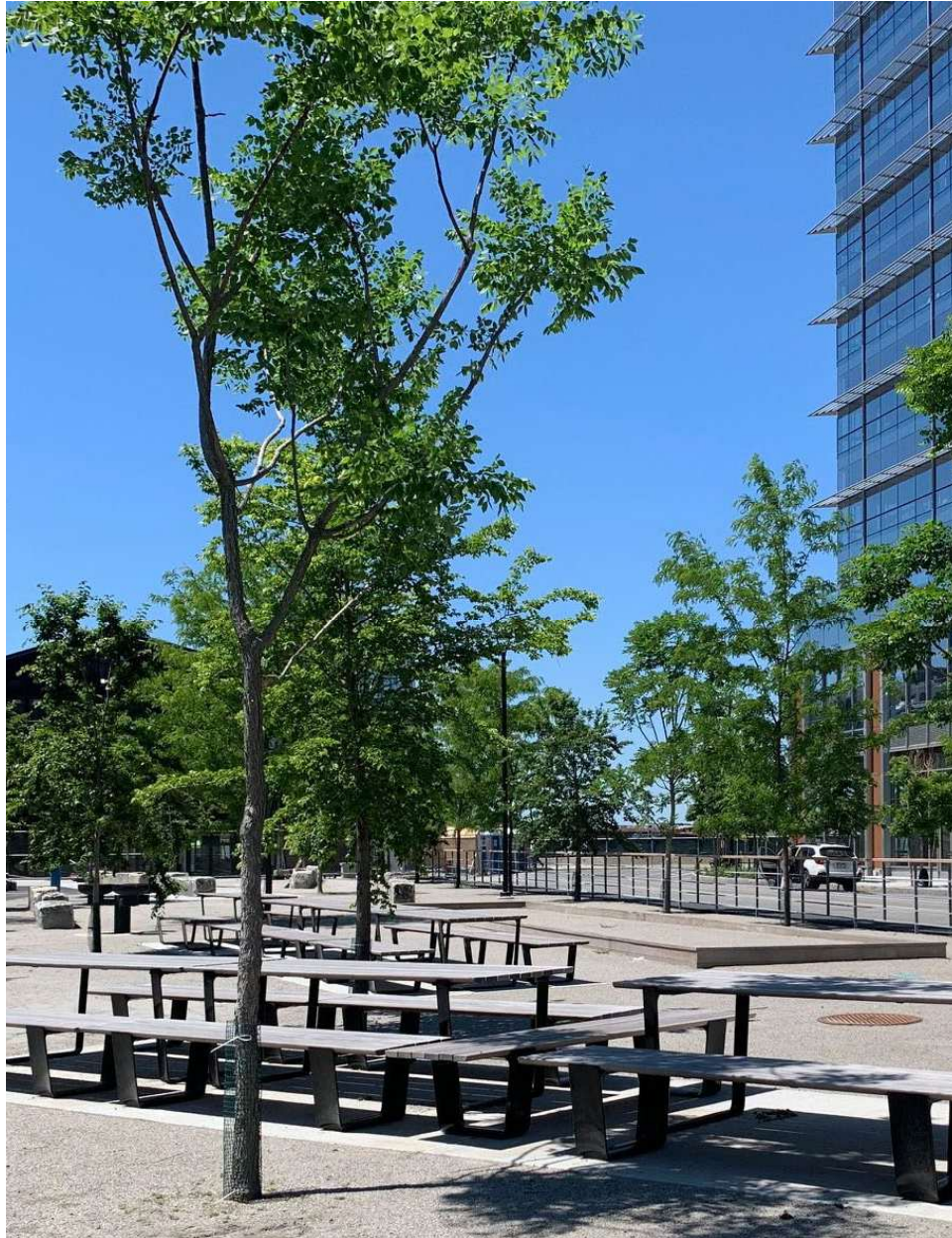


Multi-purpose Plaza



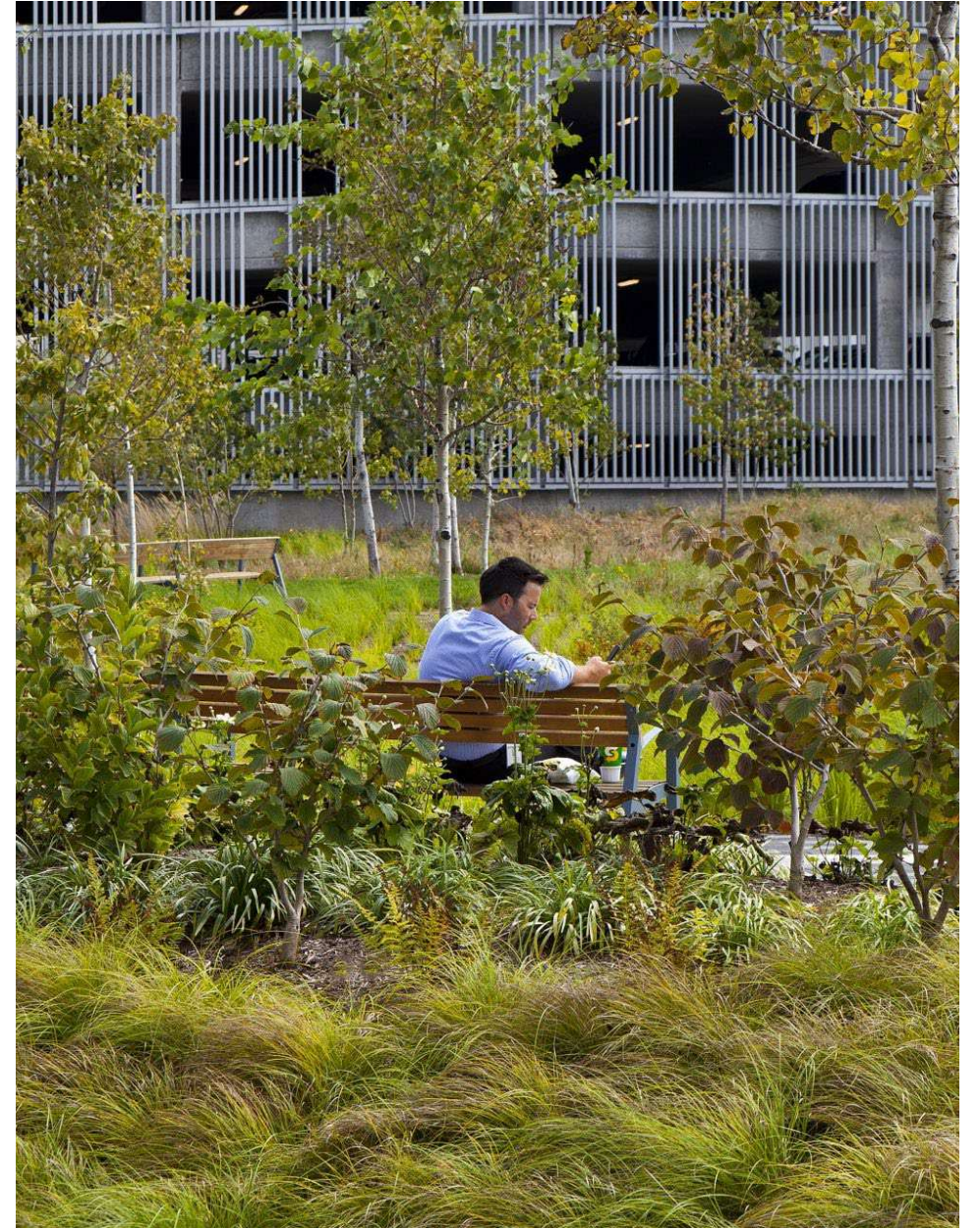
A multi-purpose plaza is designed as the communal gathering space along the riverfront. Open, flexible space allows for a diversity of community-based activities. Stepped seating integrated into the topography creates elevated views of the riverfront, the structures, and the plaza.

Picnic Grove



An smaller-scaled gathering grove is designed as an alternative space to the larger multi-purpose plaza. The grove includes group seating under the shade of native vegetation. The space is located near parking under the West End Bridge for easy access and potential for food truck hook ups.

Woodland Buffer



The woodland buffer provides a backdrop to the multi-purpose plaza with slightly elevated topography, native plantings, and stepped seating.

Green Infrastructure Garden



The green infrastructure garden creates space for visible stormwater management. Smaller-scaled paths, educational signage, and native planting are designed to tell the story of stormwater management and riverine flows on site.

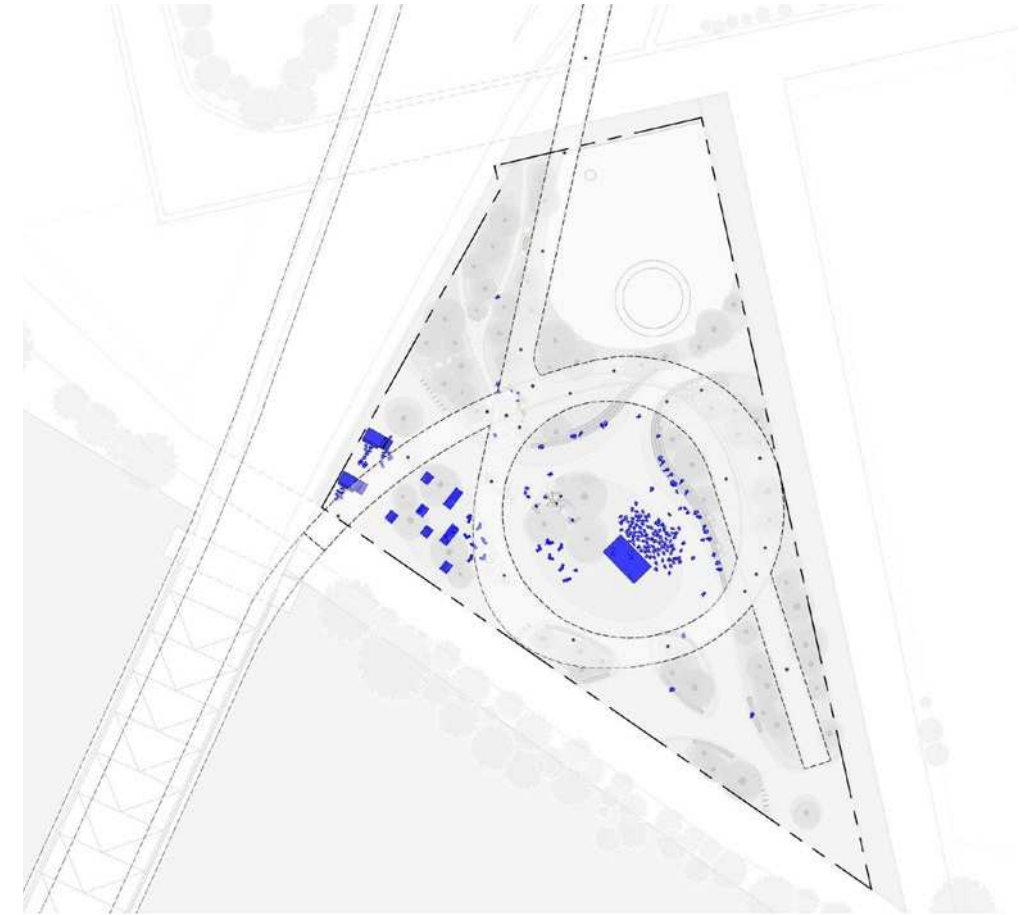
Site-C Program Flexibility



Daily



Market



Event

Site-C Planting

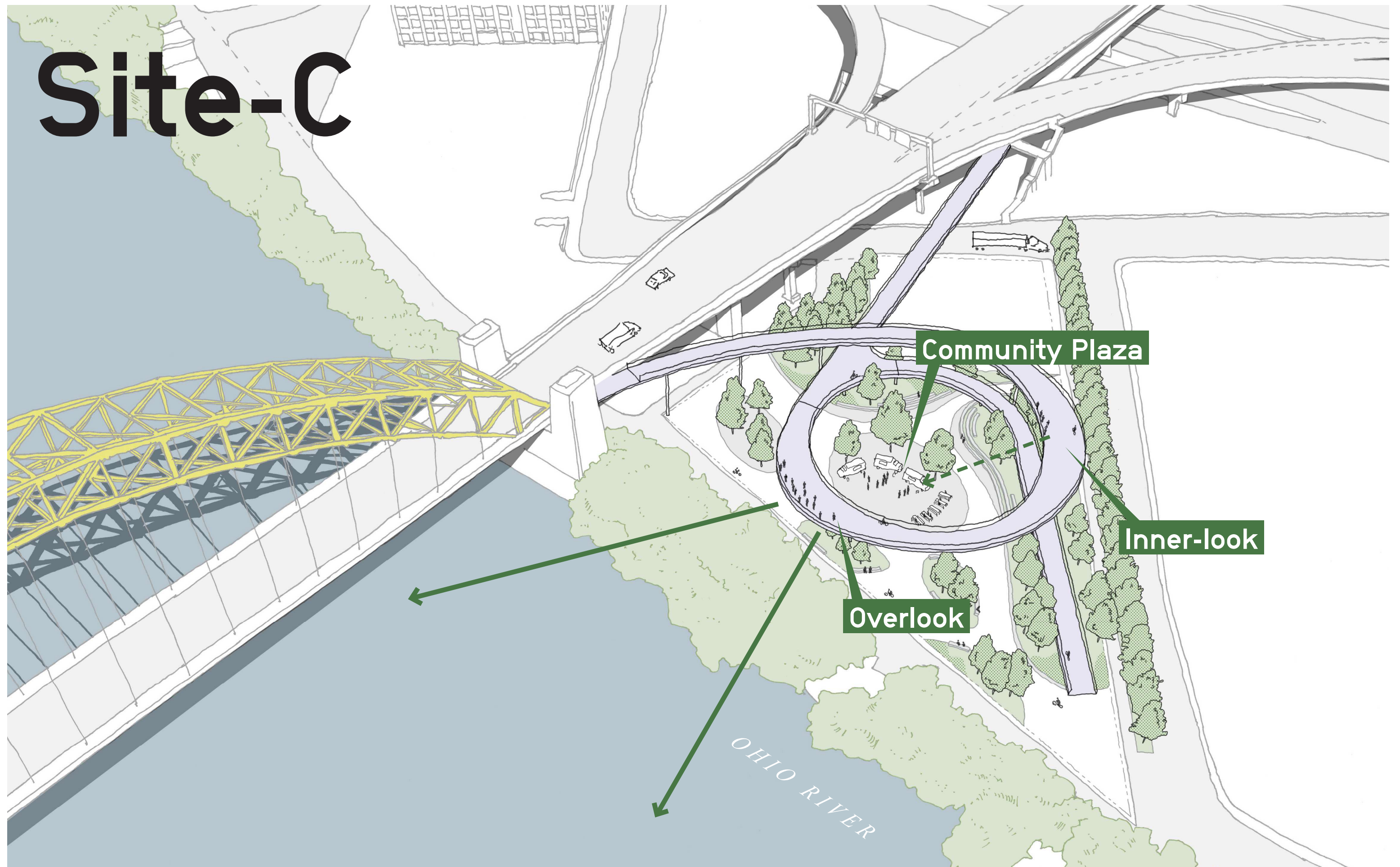


Materials



Inspired by Pittsburgh's riverbanks, water flow, sediment deposits, and local stone, the material palette incorporates large stone blocks, boulders, exposed aggregate paving, stone dust, and logs.

Site-C





Site-C



Site-C



Site-C



Site-C



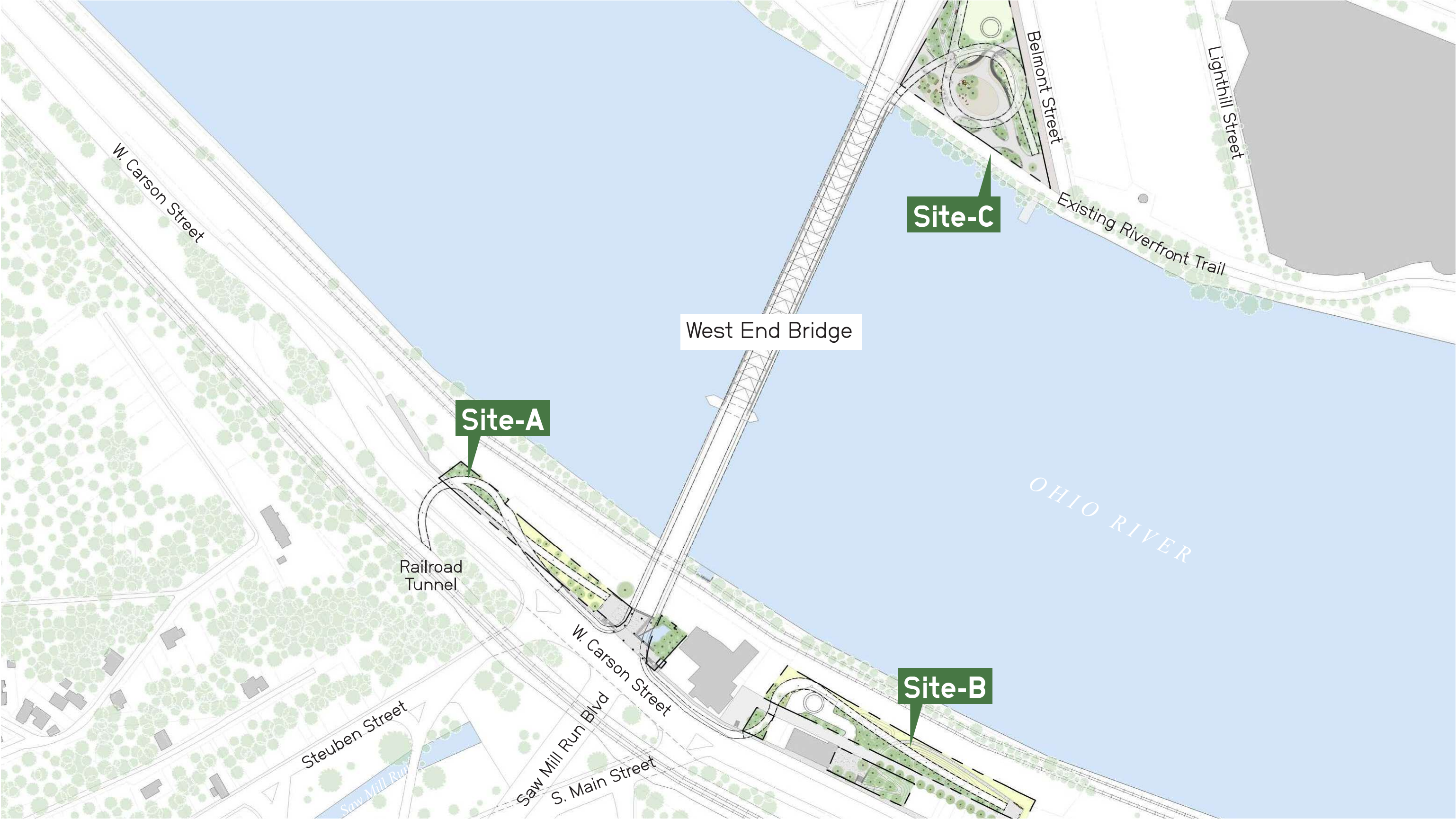
Site-C



Site-C



General questions or comments?



Question 1:

**Do you see any problems
with the current designs?**

Question 2:

**Is there anything that is missing
from the current designs?**

Question 3:

The designs contain flexible gathering spaces,
are there more specific uses that you feel are
missing?

Question 4:

**Do you feel that the design properly
addresses the river and the neighborhoods?**

