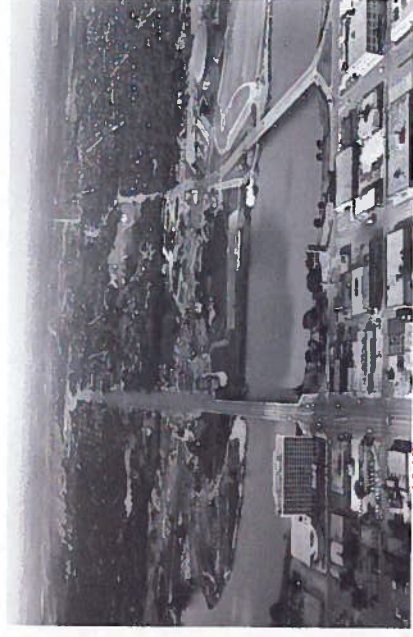


Austin Creek Plan, 1976



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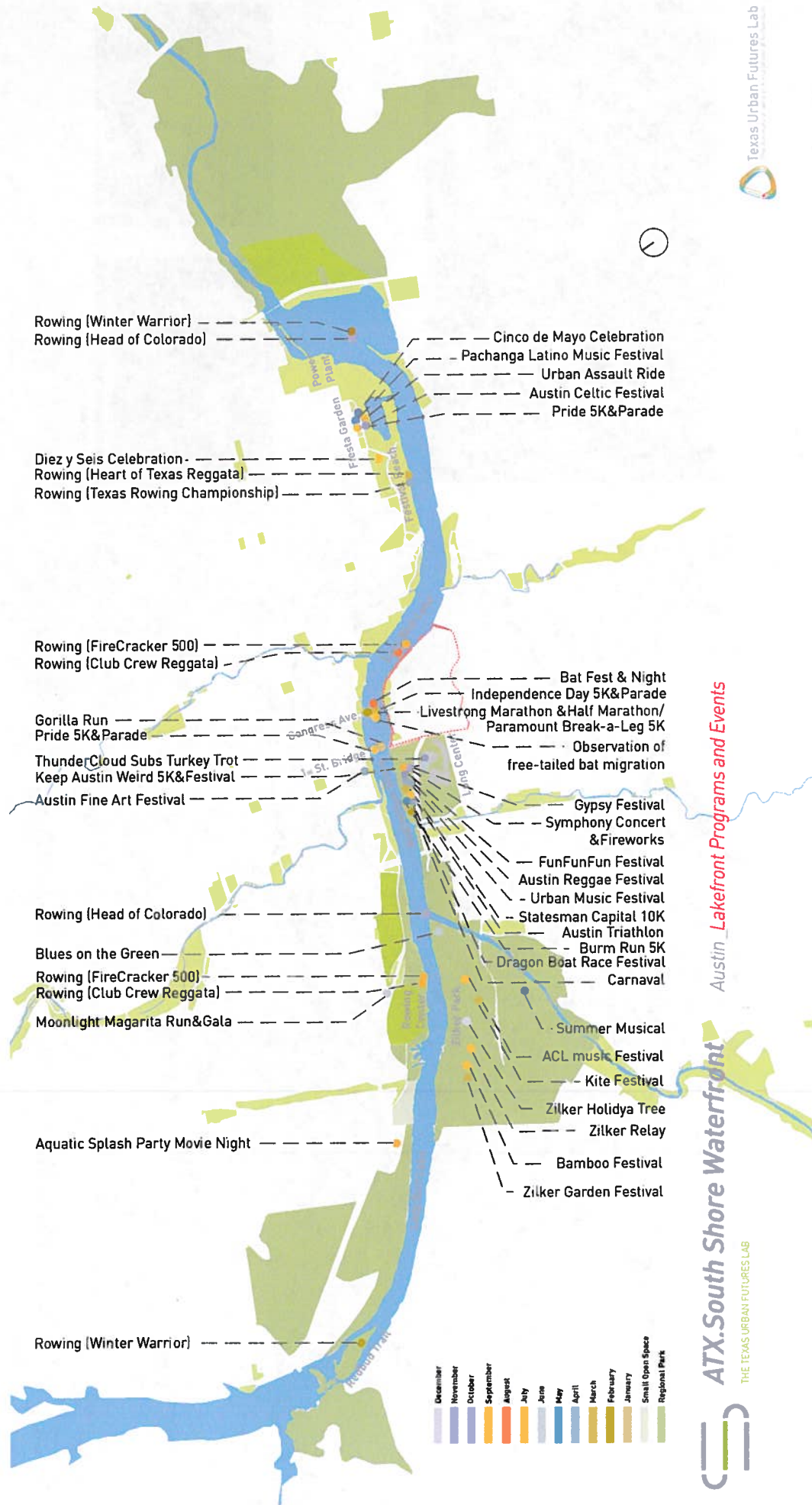
South Shore Waterfront, 1965



South Shore Waterfront, 2014



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Austin Lakefront Programs and Events

ATX.South Shore Waterfront

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Site Context



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## INTEGRATING NATURE

1. **Use low impact development strategies** to mitigate pollutant runoff into the watershed and manage storm water during major rain events.
2. **Create a network of landscaped public places** that cater to both local residents and the community at large.
3. **Develop an active waterfront for South Austin** that provides a diversity of program and connects the neighborhood to trail networks throughout the city.
4. **Thicken both the urban and riparian edge** of the site to facilitate the co-habitation of human, animal, and plant ecologies.

Development *Guiding Principles*



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## CONNECTED TO AUSTIN

1. **Create an integrated network of multimodal streets** that encourage a range of transportation choices.
2. **Provide the necessary infrastructure to support future urban rail.**
3. **Establish pedestrian linkages** from the surrounding neighborhoods through the site to Ladybird Lake.
4. **Connect South Shore Central to the larger Austin** area by integrating a bike, rail, and bus network that connects North, South, East and West.

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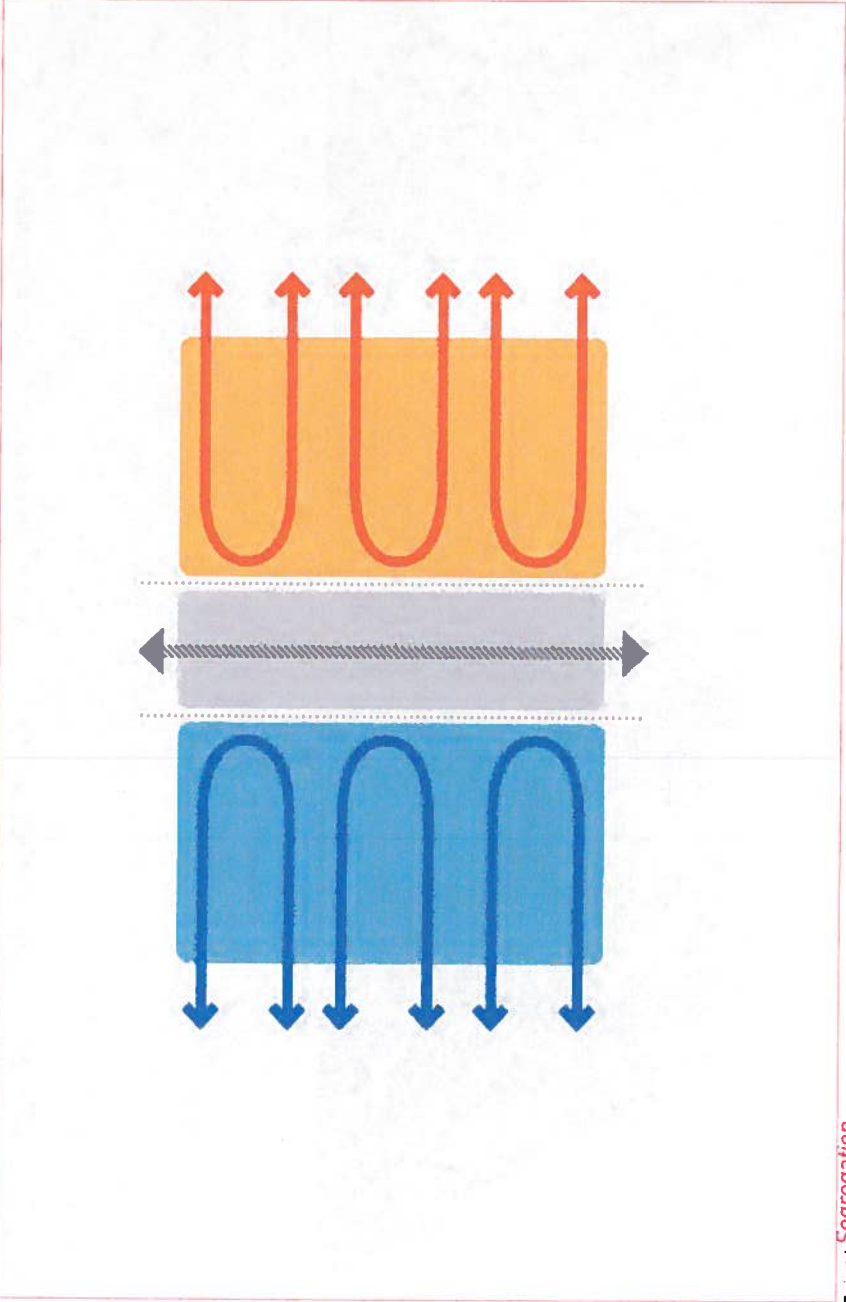
## COMPACT NEIGHBORHOOD

1. **Develop a new mixed-use residential neighborhood** with the necessary services and amenities to invite urban family living and establish significant social places that support an urban quality of life.
2. **Design appropriately scaled building typologies** south of Riverside that integrate new development while respecting existing neighborhoods.
3. **Achieve the SDAT-recommended 15% affordable housing** for all new residential units using targeted height increases in exchange for affordable units.
4. **Develop a form-based regulatory framework** that establishes greater control over development outcomes.



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Territorial Segregation



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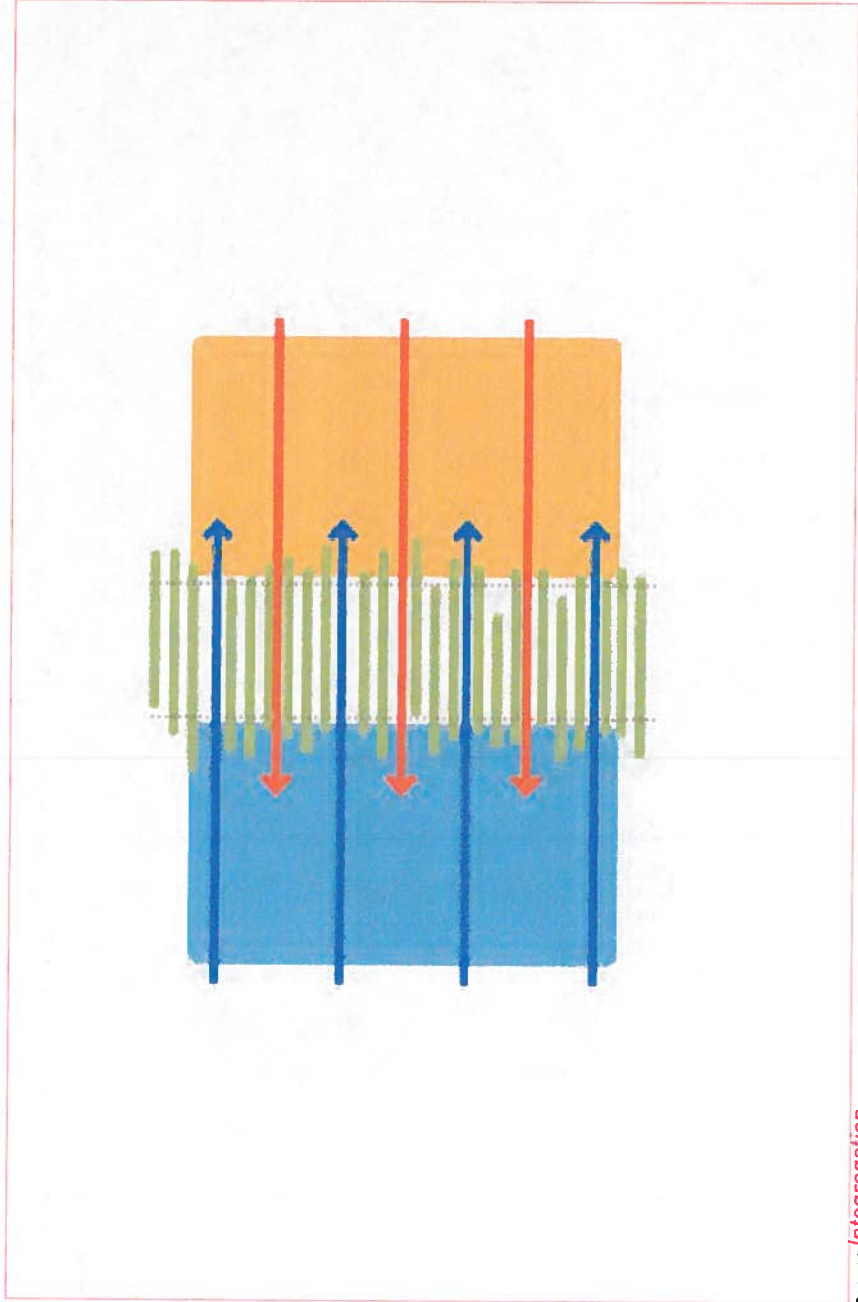


Austin American Statesman\_ Stormwater Retention



Austin American Statesman\_ Surface Parking

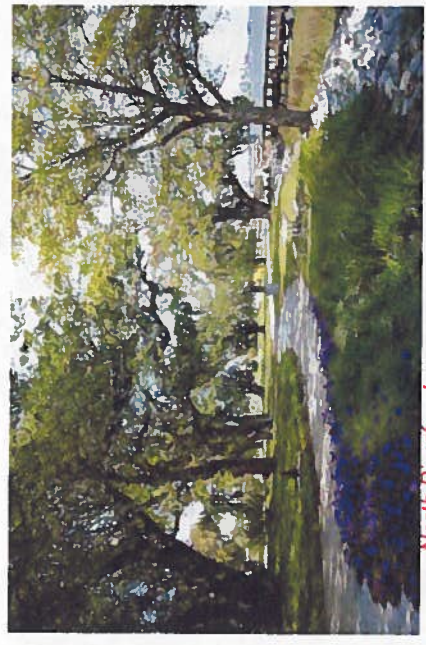




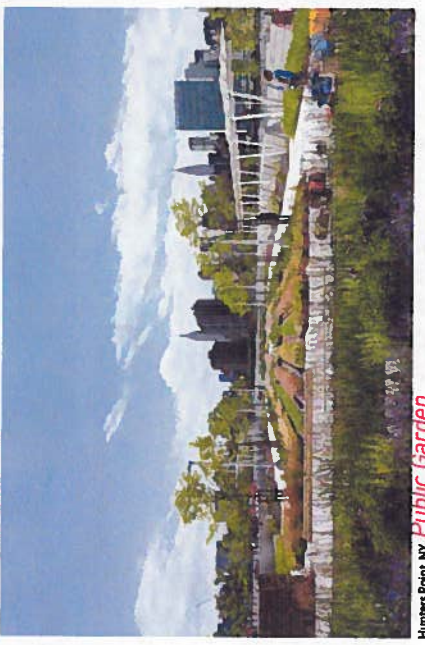
Territorial Integration

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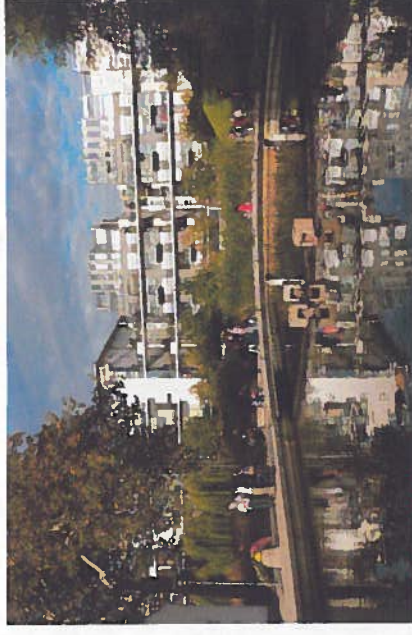
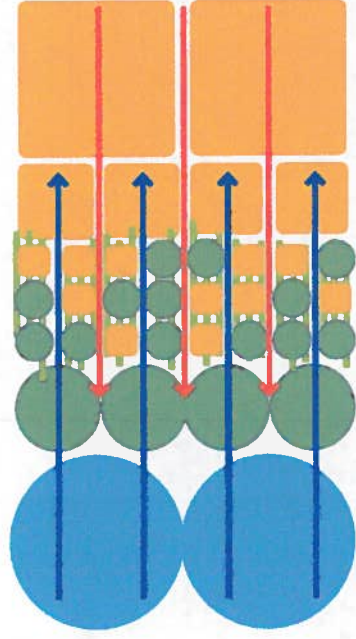


Charleston, SC *North Riverfront*



Hunters Point, NY *Public Garden*



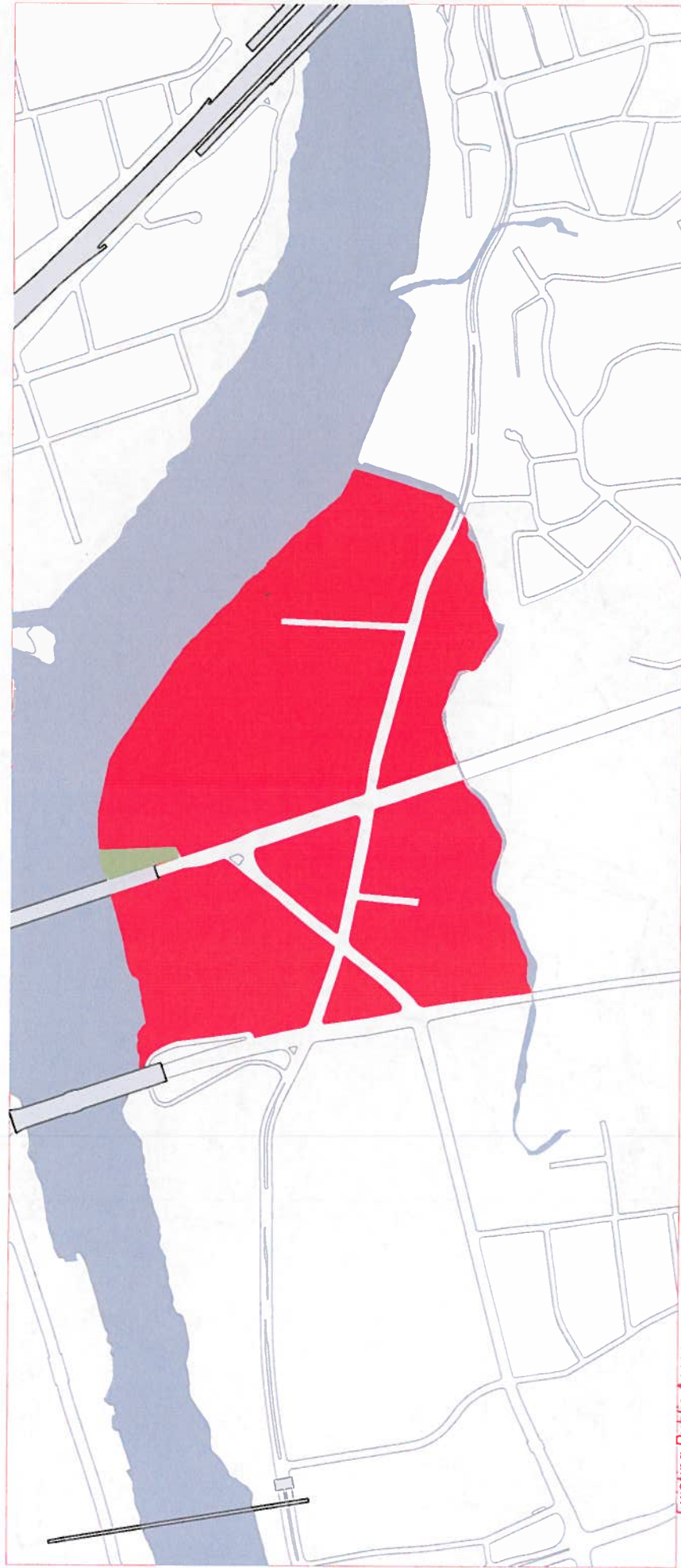


Paris, FR Parc De Bercy



Stockholm, SW Hammarby Sjöstad





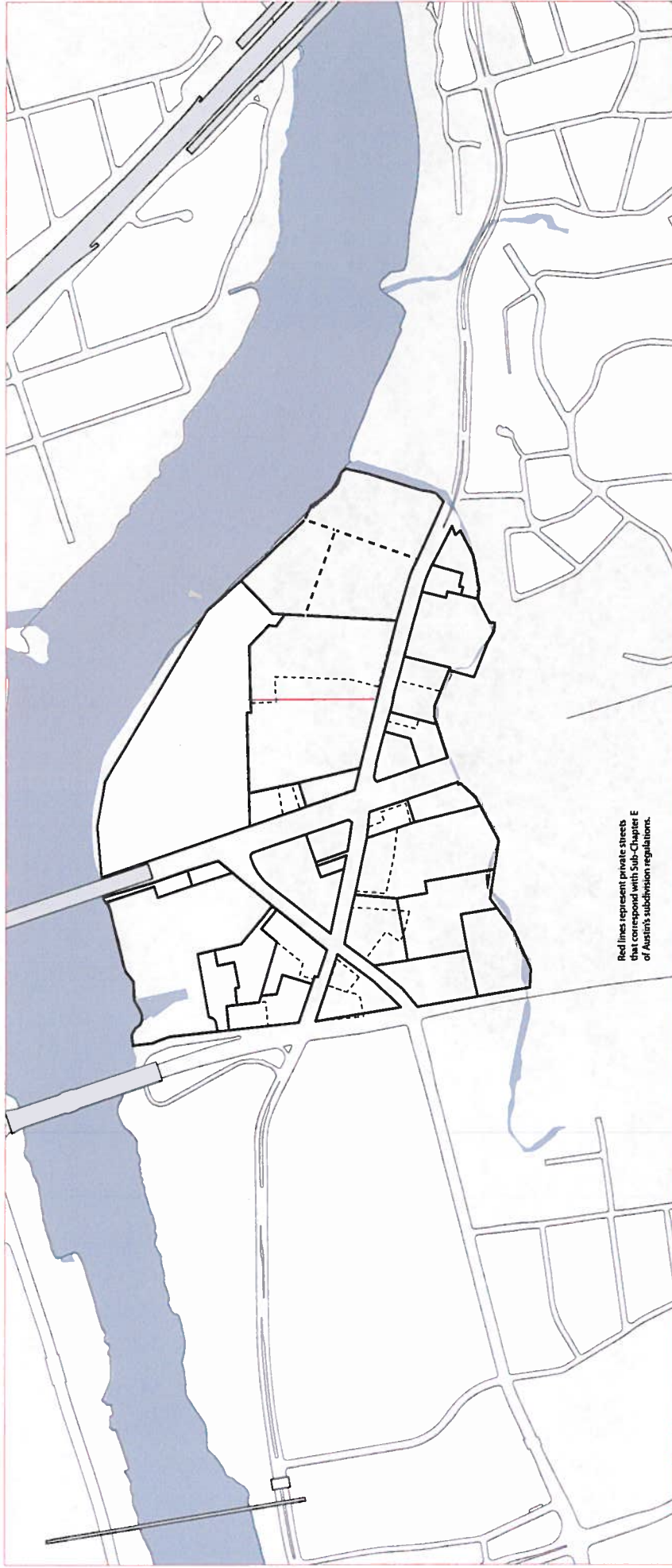
Ownership Existing Public Access



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Owenship Parcelization



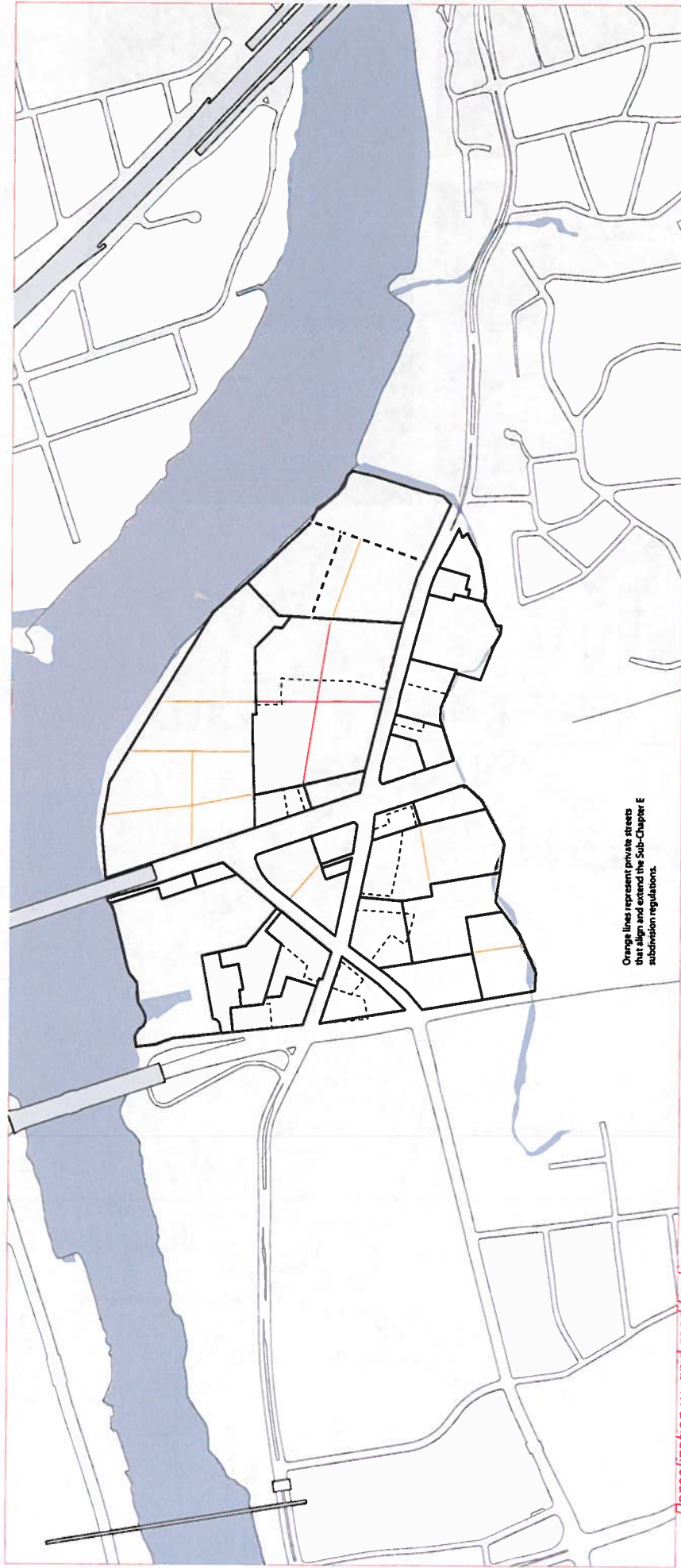
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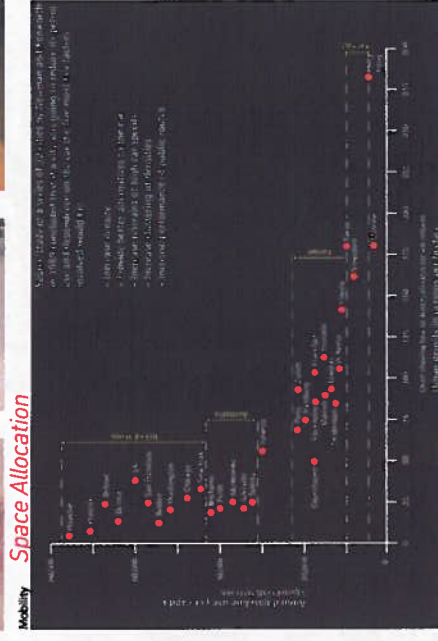
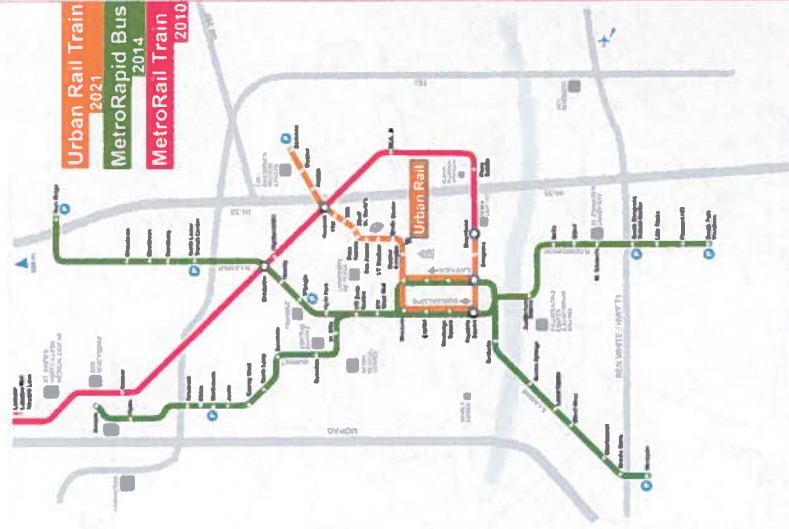
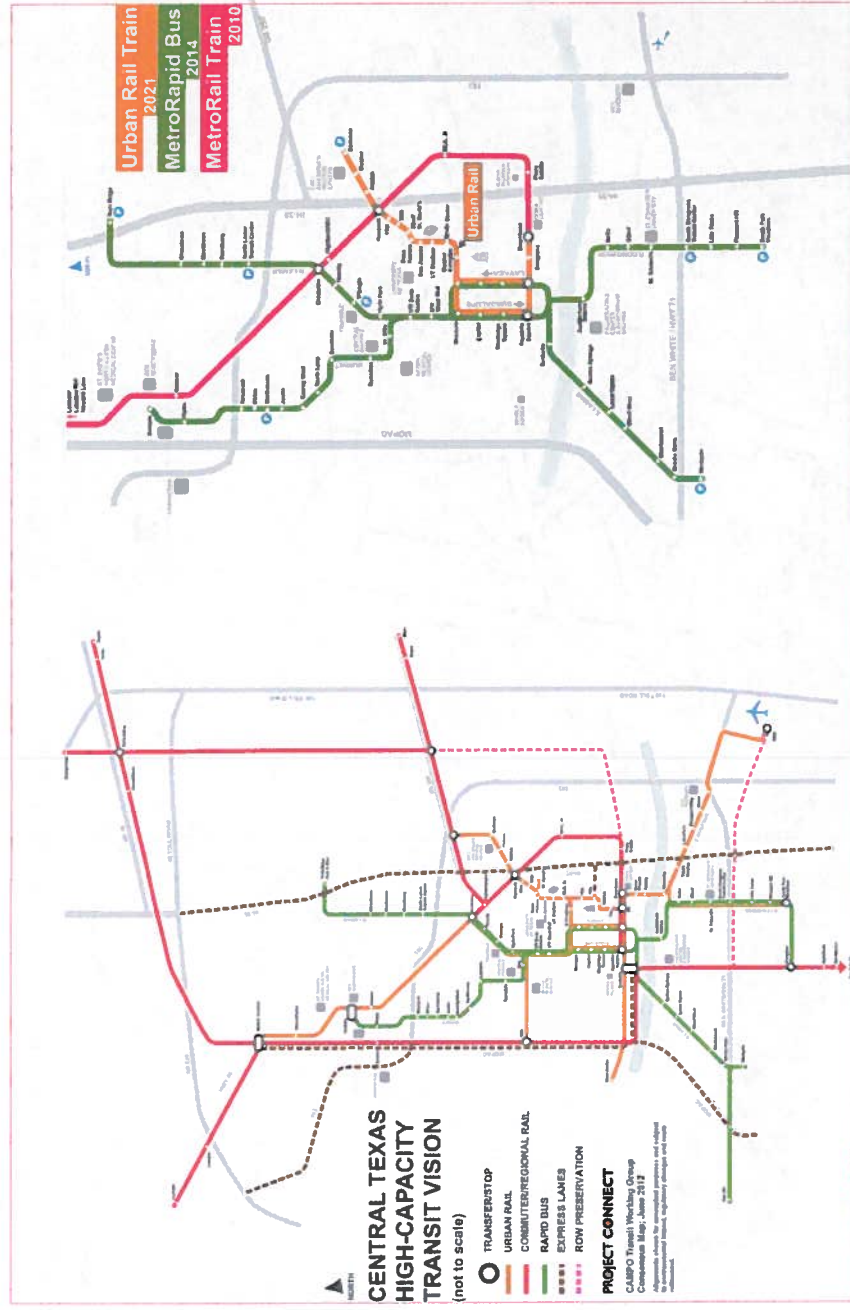


Ownership Parcelization w\_ grid modification

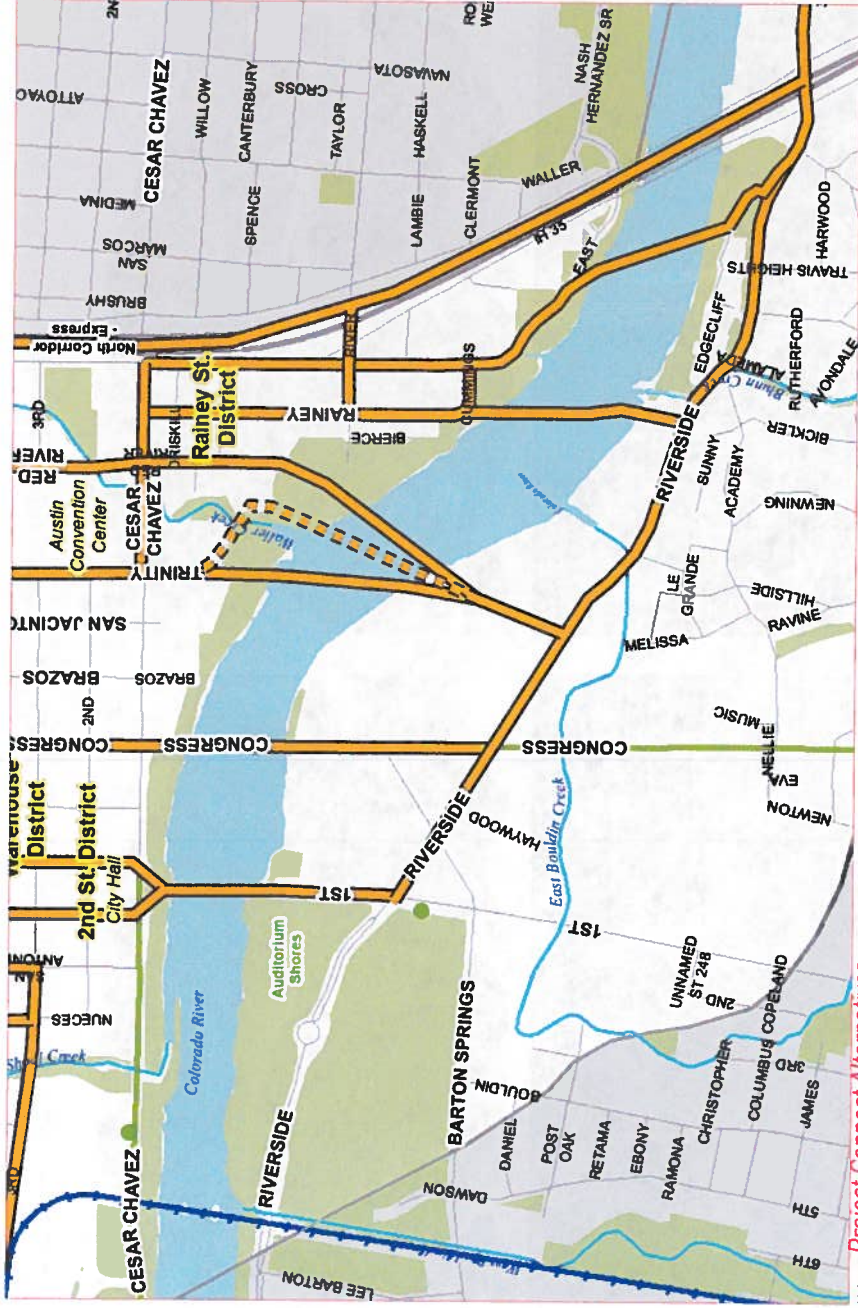
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Project Connect Alternatives

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Urban Rail, Grenoble



Urban Rail, Portland-Milwaukee Light Rail Bridge





Mobility **Ju Gong Bridge**



Mobility **Urban Rail/Bus**

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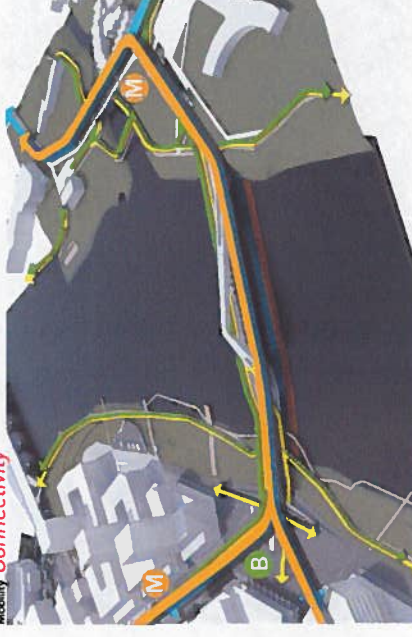
Mobility **Erasmus Bridge**



Mobility **Bicycle, Pedestrian**

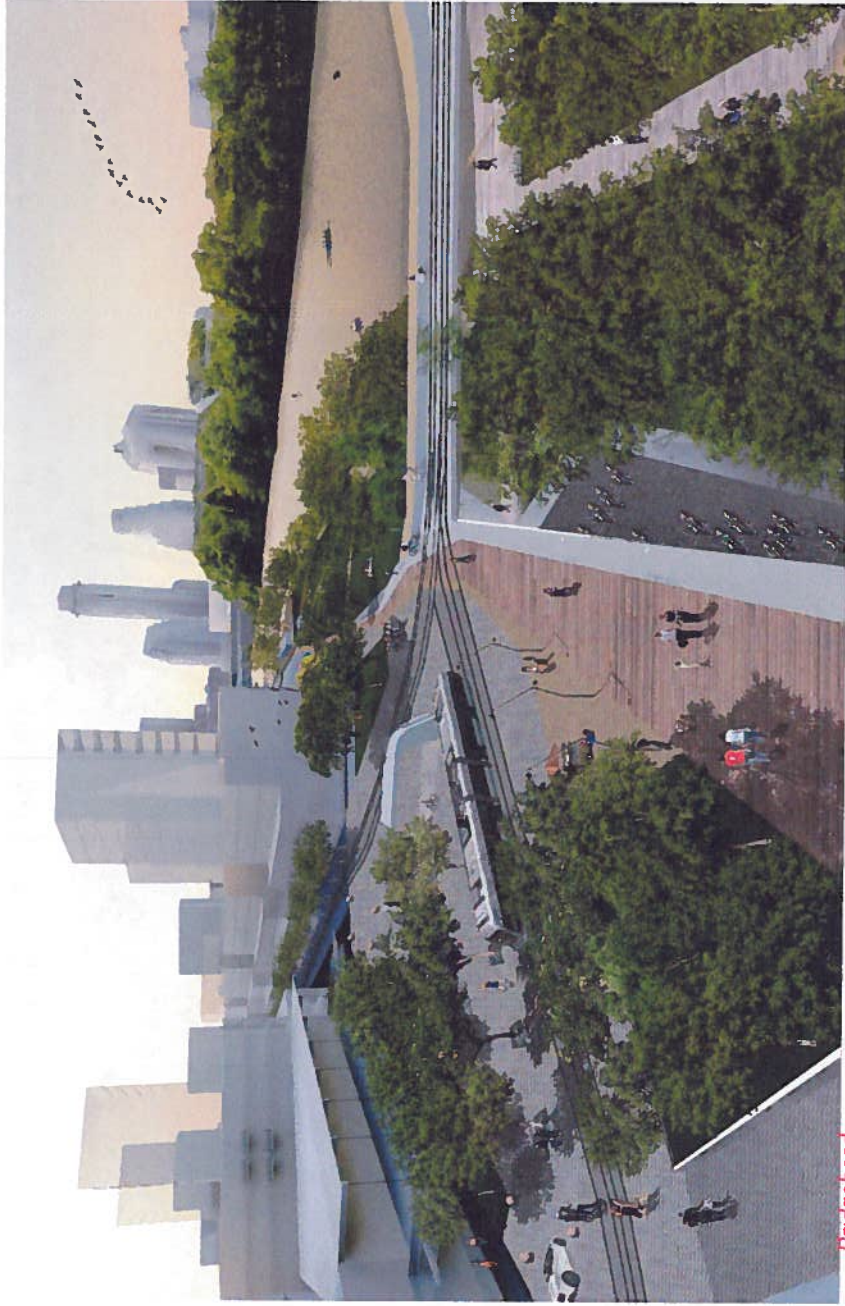


Mobility **Connectivity**



Mobility **Integrated Systems**



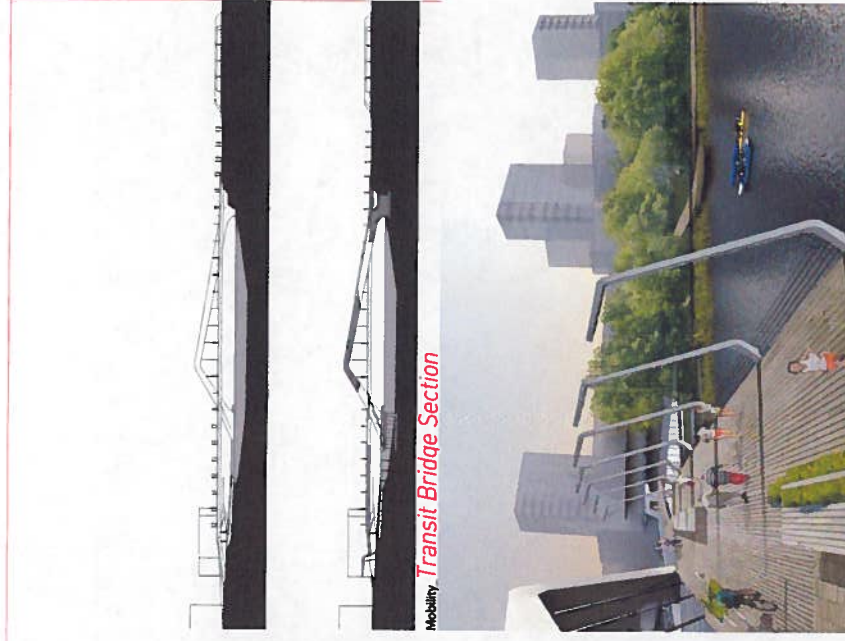


Mobility **Bridgehead**

**ATX South Shore Waterfront**

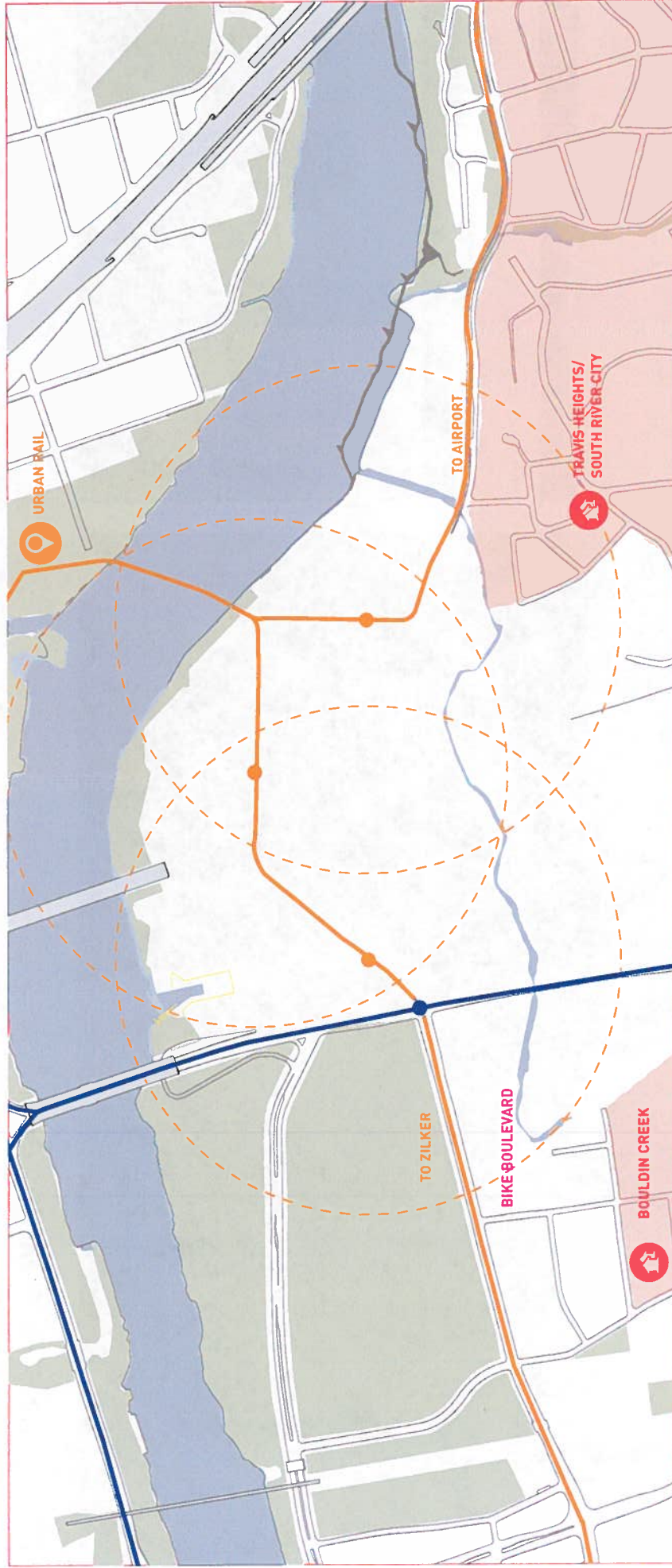
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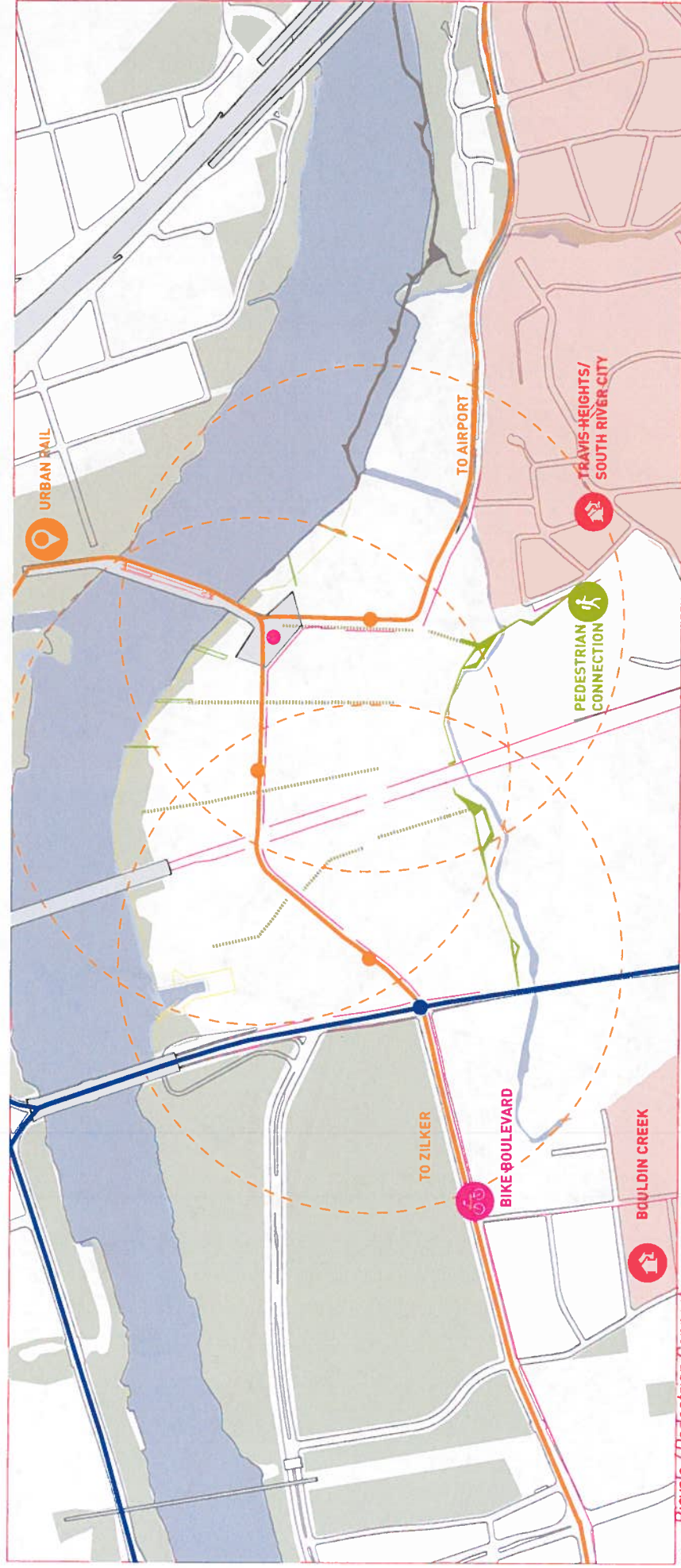


Mobility **Transit Bridge Section**

Mobility **Transit Bridge**





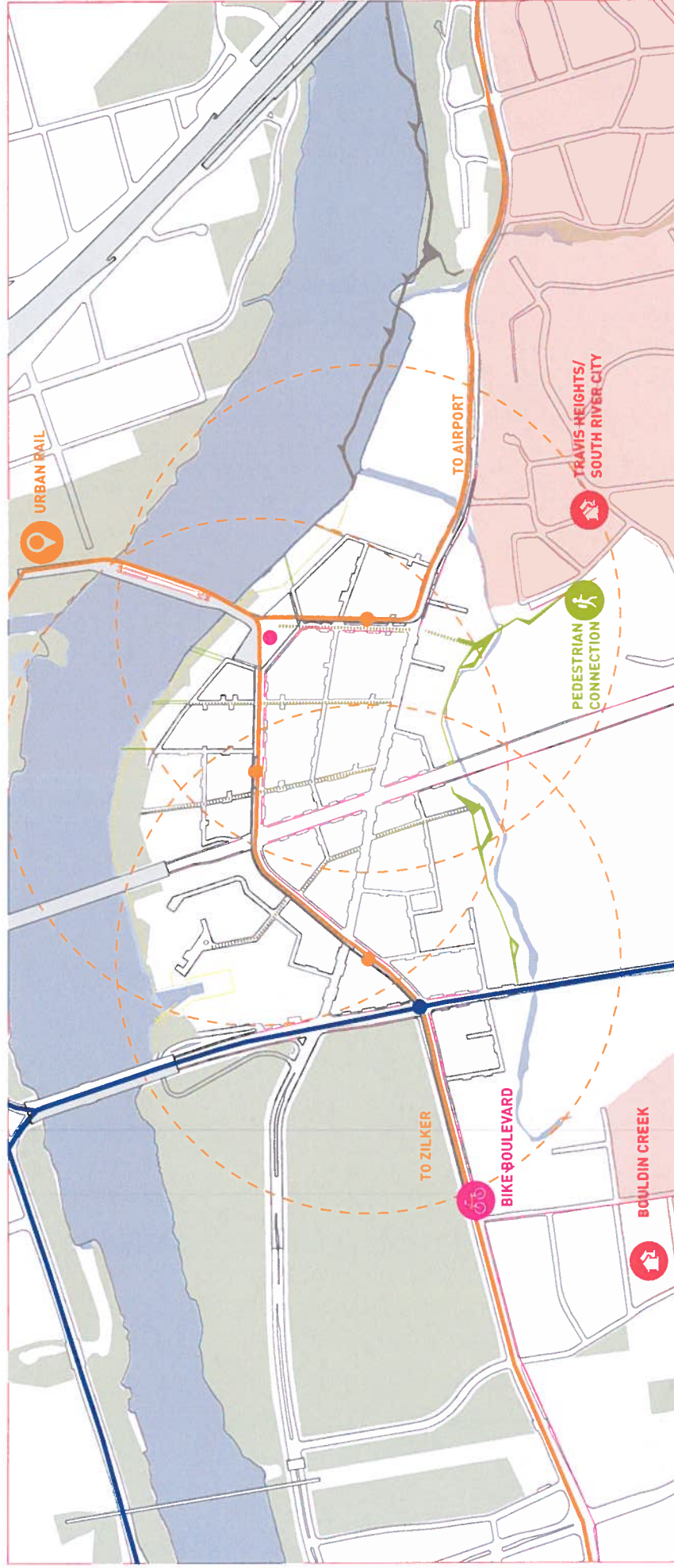


Mobility Bicycle / Pedestrian Connections

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Mobility Streets



**ATX South Shore Waterfront**

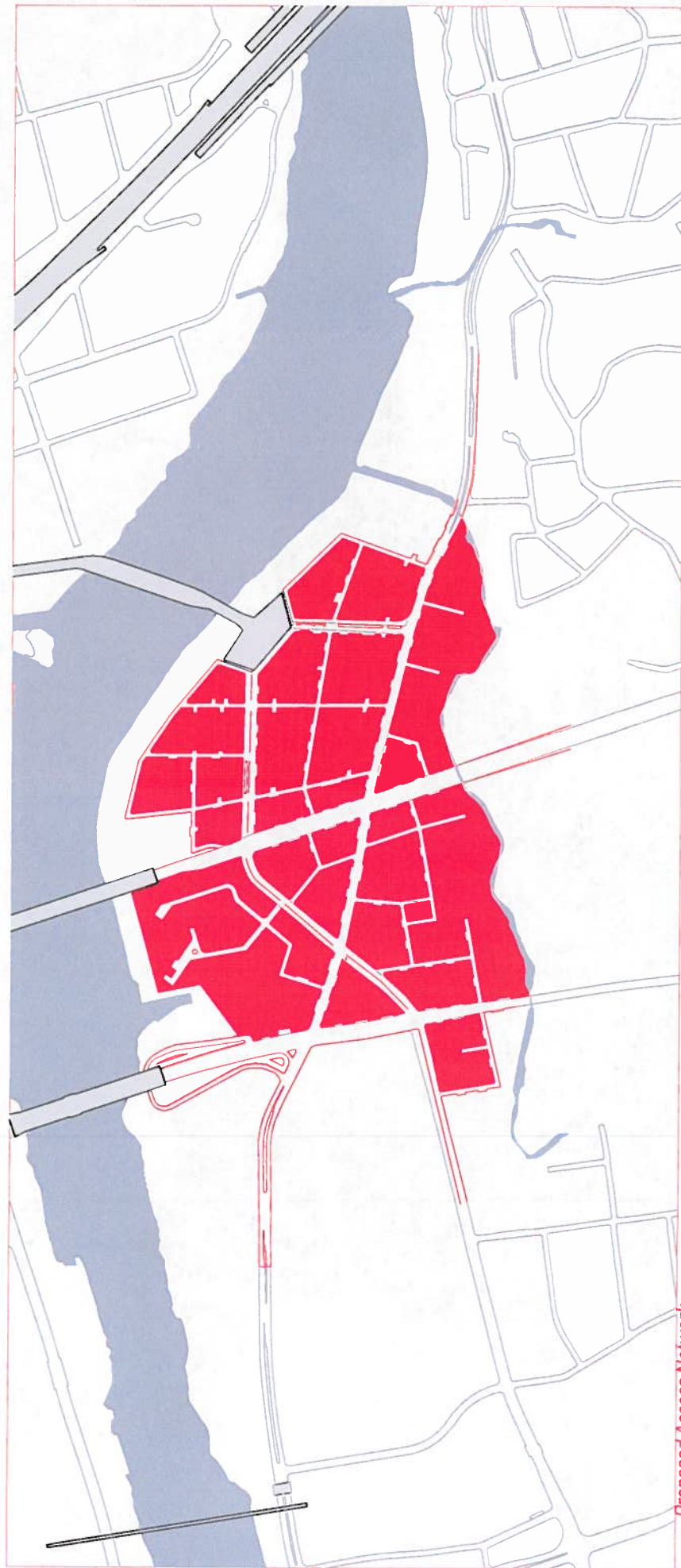
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Owenship. *Proposed Access Network*



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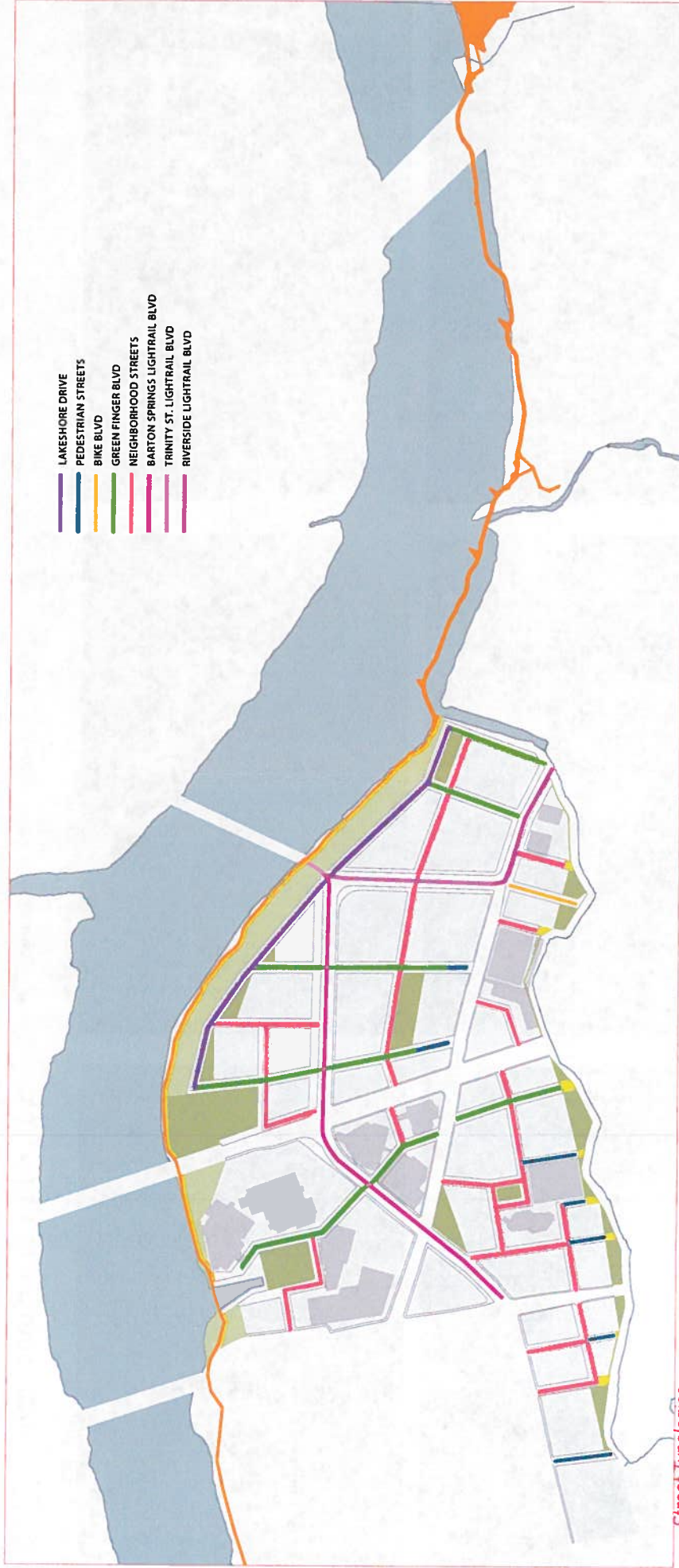
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Mobility Street Typologies



**ATX South Shore Waterfront**

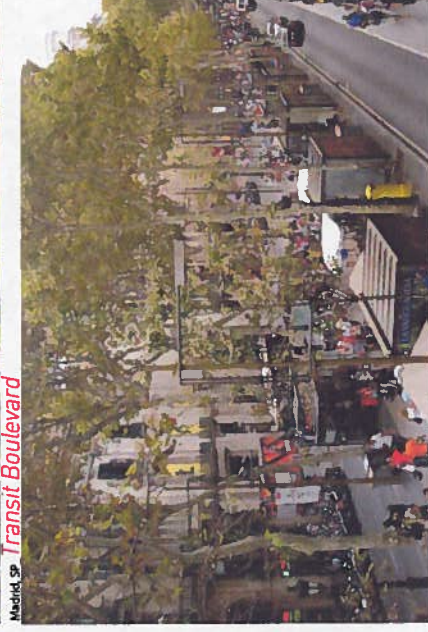
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**F**

## Green Streets:



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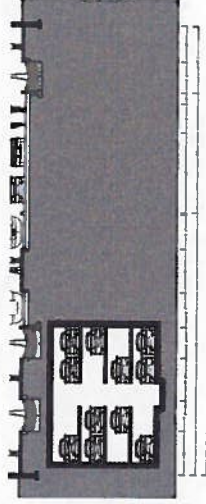
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PLACEMENT DIAGRAM

BARTON SPRINGS EAST



BARTON SPRINGS WEST



CONGRESS



GREEN FINGER



SOUTH FIRST



RIVERSIDE



TRINITY



NEIGHBORHOOD STREET

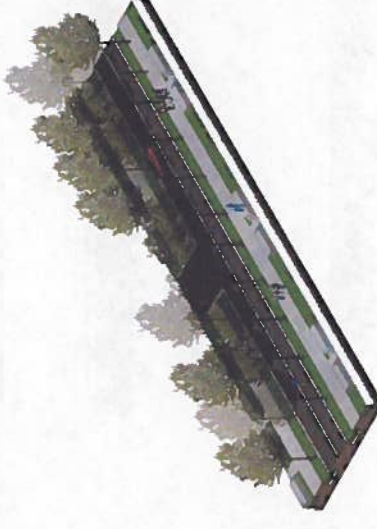




BARTON SPRINGS EAST



GREEN FINGER



Mobility Street Typologies



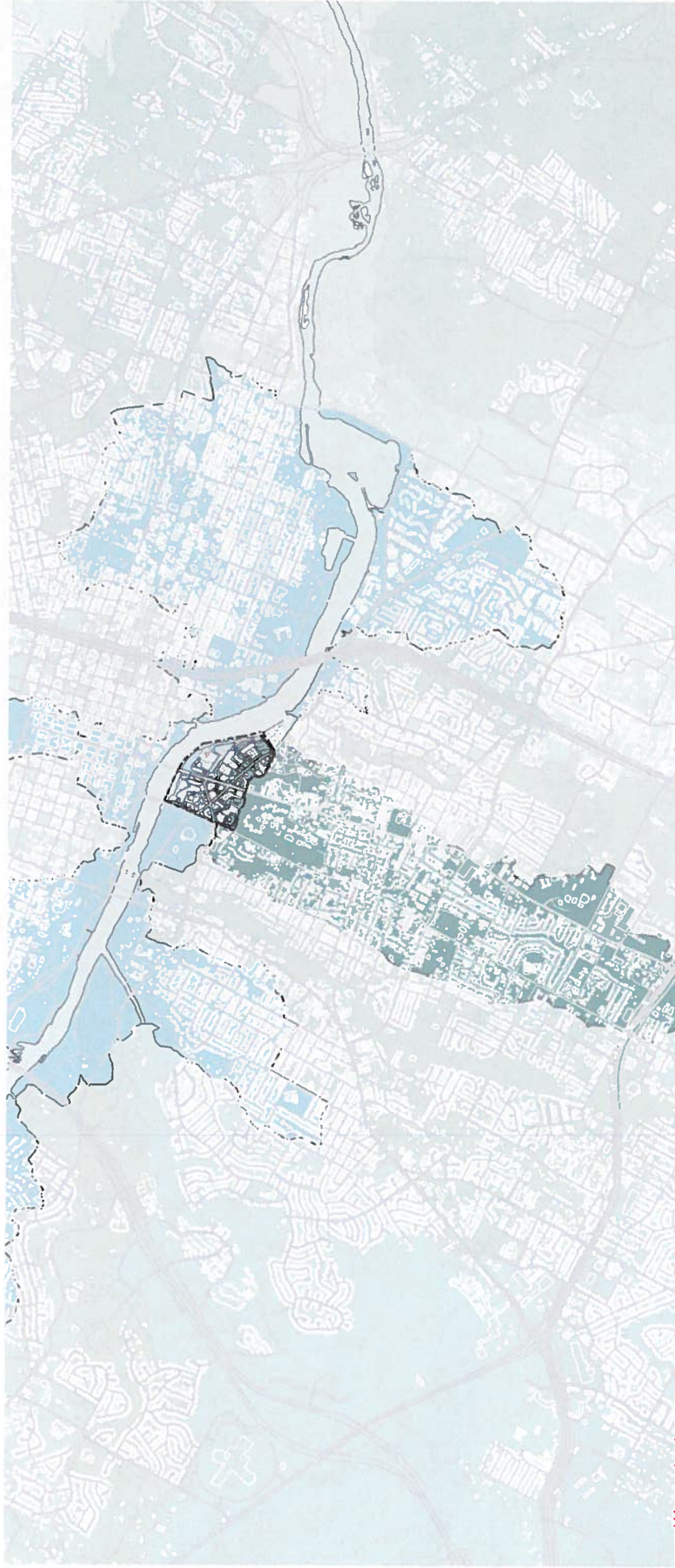
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Ecology **Watersheds**



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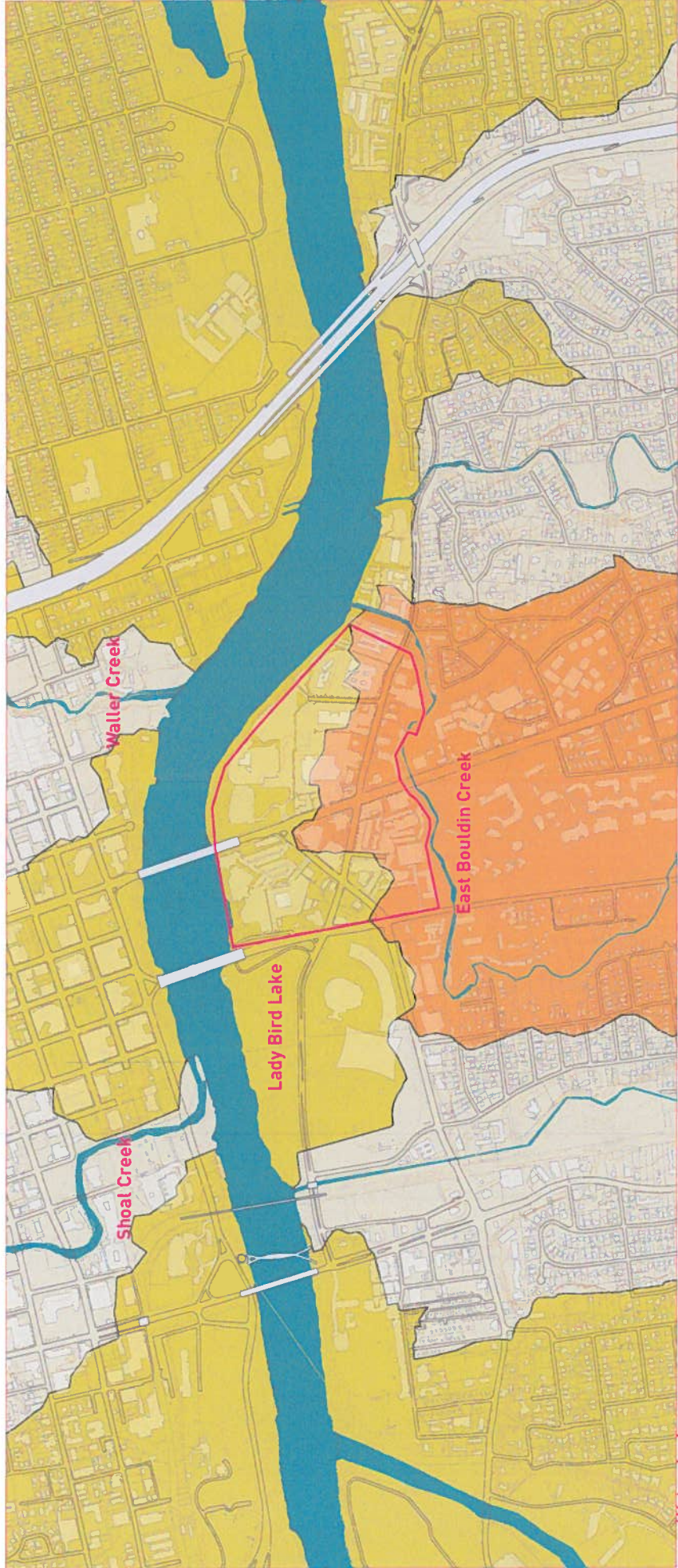
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Ecology. **Watersheds**



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Site **Performance**



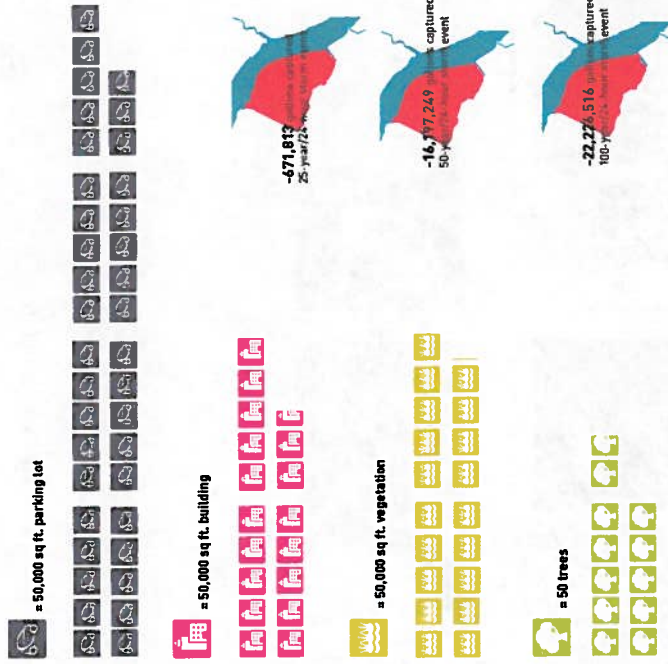
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Site Conditions **Surface Components**



meeting required Water Quality Capture Volume not meeting required Water Quality Capture Volume

evaluation diagram south shore waterfront required water capture

Ecological Performance



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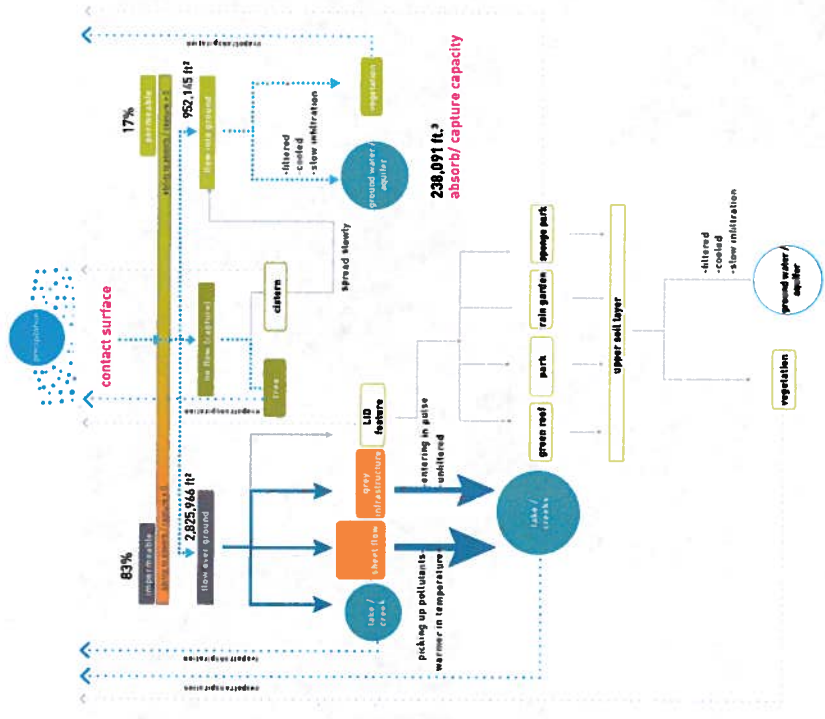
Ecological Performance



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**A catch basin is a part of the stormwater management system that is designed to trap debris and sediment so it cannot enter the drainage pipes.**



**bioremediation** is the treatment of polluted soil, water, or air using the properties or metabolic products of microorganisms to breakdown or remove contaminants.

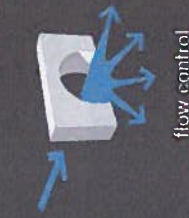






mechanical

biological



slow

→ spread

→ soak

**flow control:** devices used to regulate concentrated water loads, attenuating energy flow and volume.

**detention:** facilities designed to intercept a volume of stormwater runoff and temporarily hold the water for gradual release, within a 24 hour period.

**retention:** facilities that retain a permanent pool of water, allowing for minor water quality improvement through the settling out of sediment.

**filtration:** processes that remove solids from stormwater through a porous media, such as sand, vegetation, or a man-made filter.

**infiltration:** processes in which surface water moves through soil, recharging groundwater and aquifers.

**treatment:** processes that metabolize pollutants from stormwater runoff.

Green Infrastructure *Integrating Hard Engineering...and soft engineering : Toward a LID systems approach*



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# T2

## Green Infrastructure Typologies: Streambed and Sponge Parks :

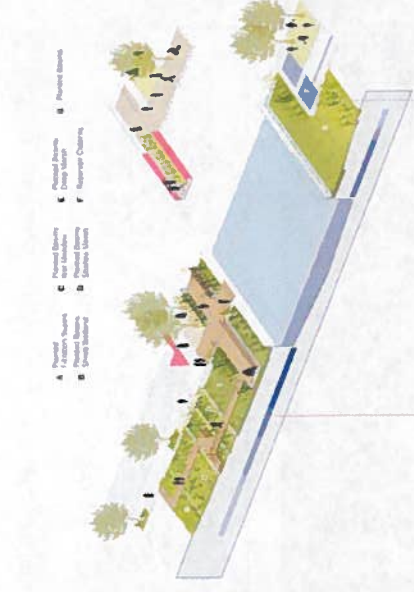


Edinburgh, SC Rain garden



Boston, MA Streambed Park

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Gowanus Canal, NL Streambed Park



Erasmus Park, NL Streambed Park

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Gowanus Canal, NL Streambed Park



Johnny Carson Park, LA Streambed Park

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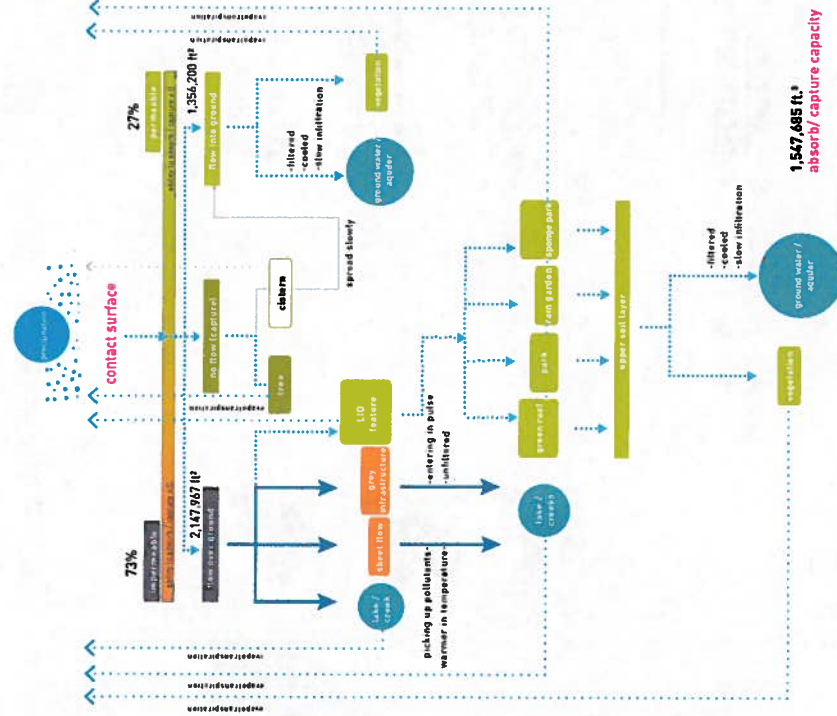
Ecological Performance



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meeting required Water Quality Capture Volume ■ not meeting required Water Quality Capture Volume

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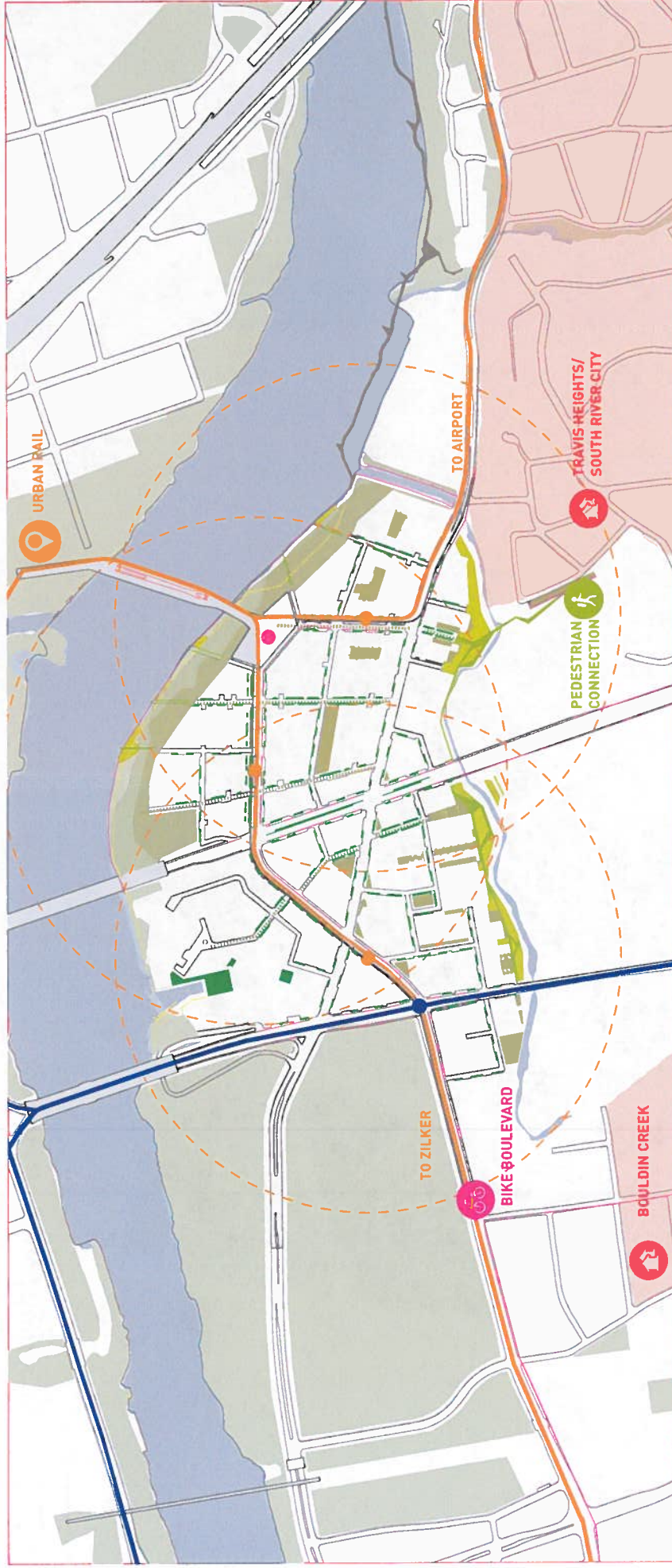
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# T3

Green Infrastructure Typologies *Pocket Parks :*



Monterey, CA *Square*



Madrid, SP *Residential Park*



De Drogenaad, NL *Playground*



Austin, TX *Courtyard Cafe*



Banyoles, SP *Urban Square*



Berlin, GER *Inner Block Courtyard*

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District Framework Plan



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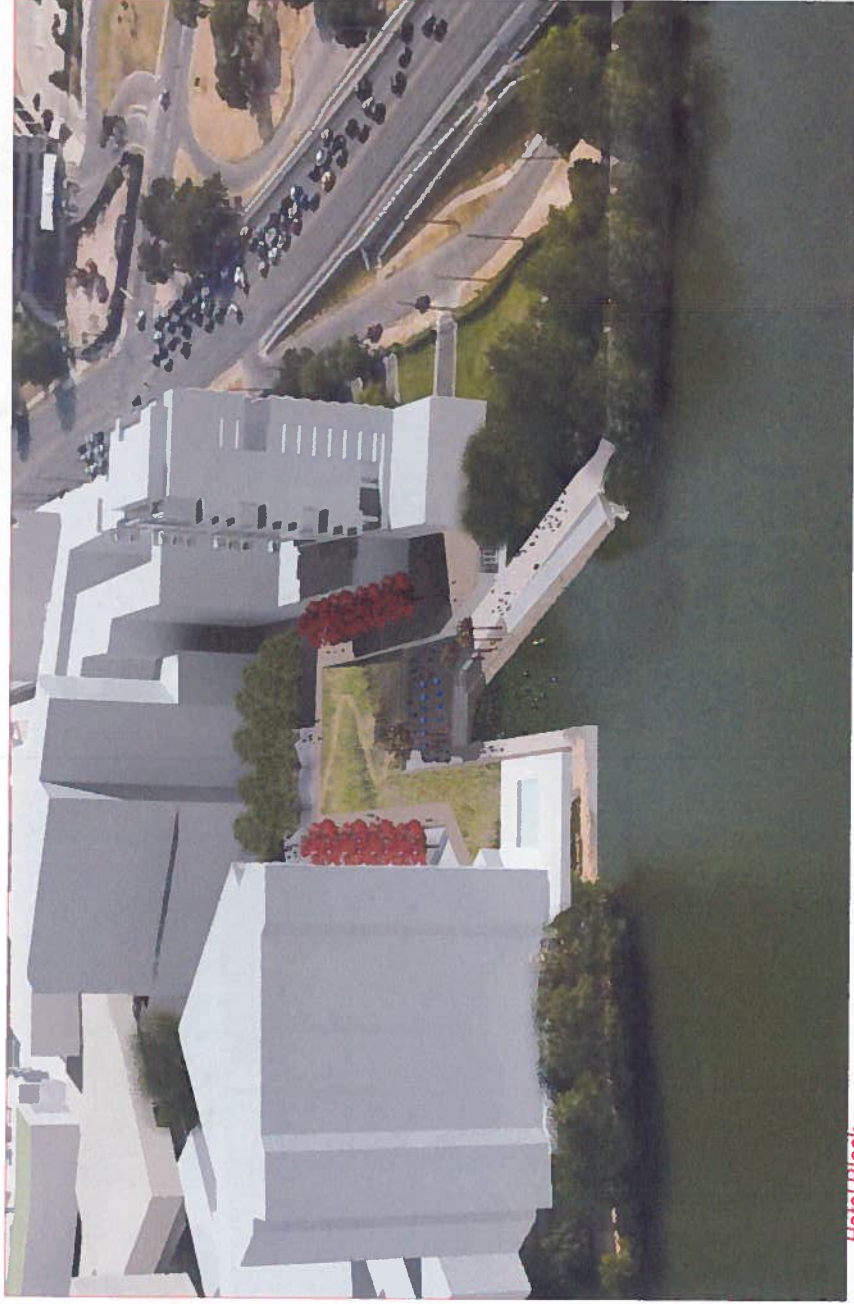
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Lakefront Hotel Block



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Lakefront Hotel Block

EXISTING

CONSTRICTED  
PROGRAMMED  
EDGE

wide access  
supervise  
narrow boulevard  
Tread

PROPOSED

PROGRAMMED  
EDGE

+231 narrowboat  
60k  
+1,000 sq ft  
swimming pool  
+2,000 sq ft  
overlook terrace

LAKE DOCK TRAIL

LAKE

CLIMB DECK

TRAIL

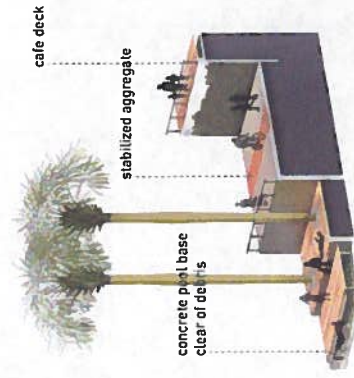
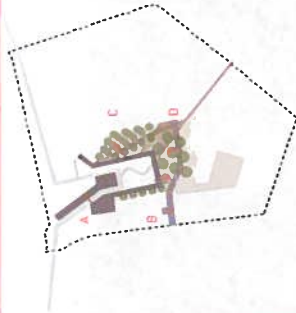
FILTER



Lakefront Hotel Block



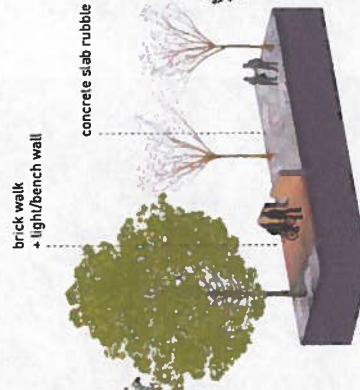
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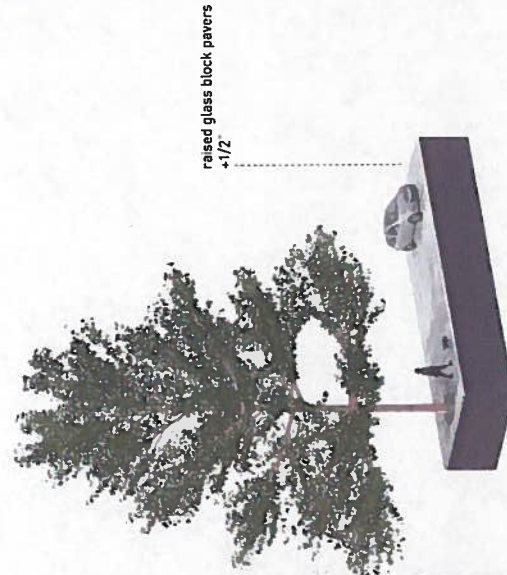
A. BOARDWALK to RIVER



B. PLAZA to SPONGE

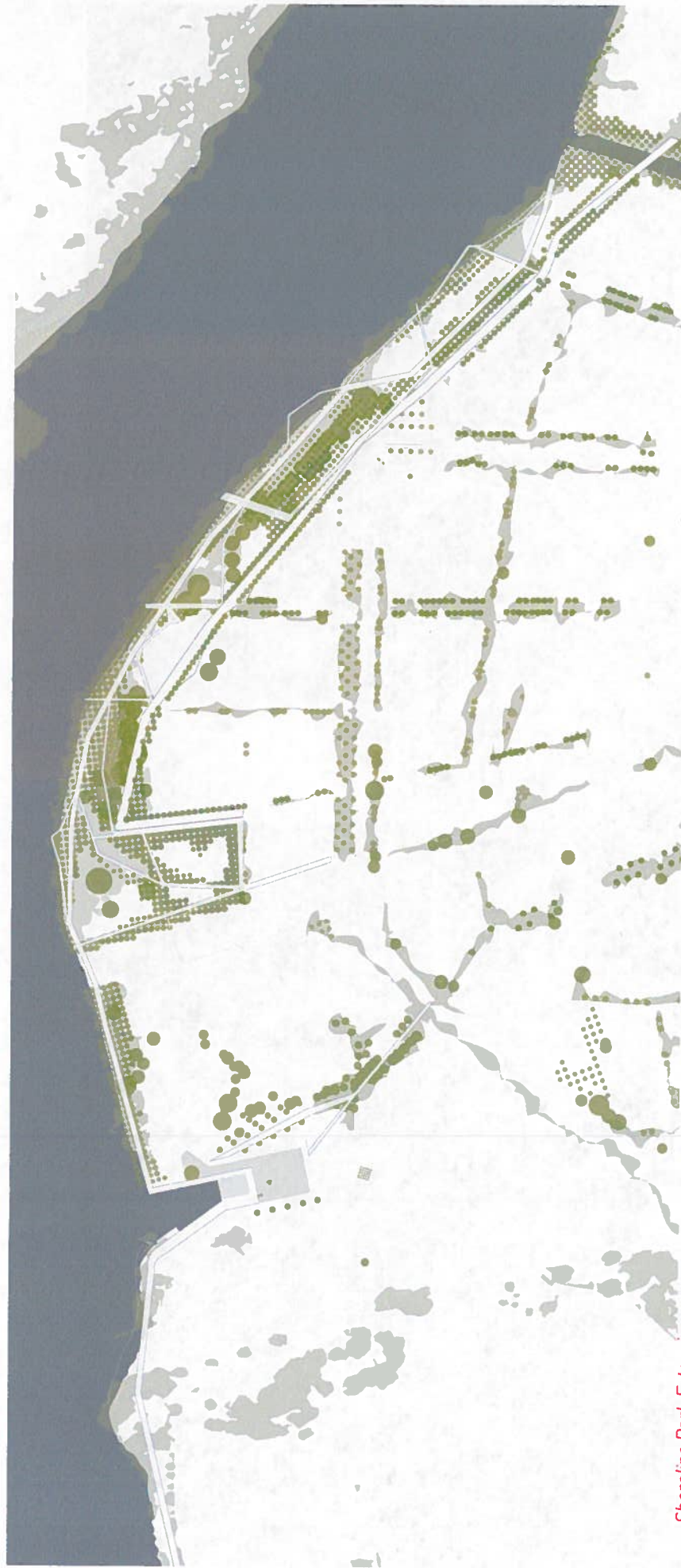


C. PEDESTRIAN CONNECTION



D. VEHICLE ACCESS to PLAZA





Lakefront Shoreline Park Extension



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Mobility **Bridgehead**



**ATX.South Shore Waterfront**

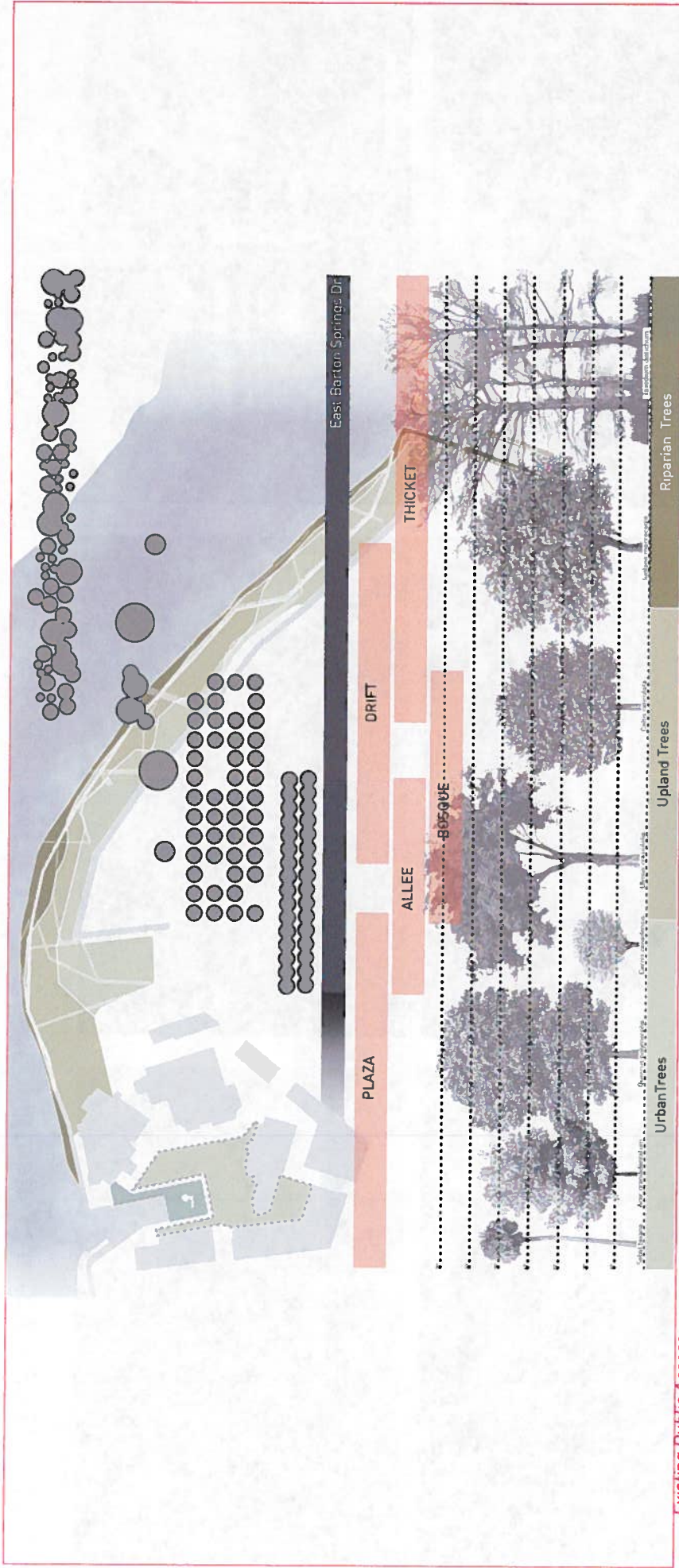
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Ownership: Existing Public Access



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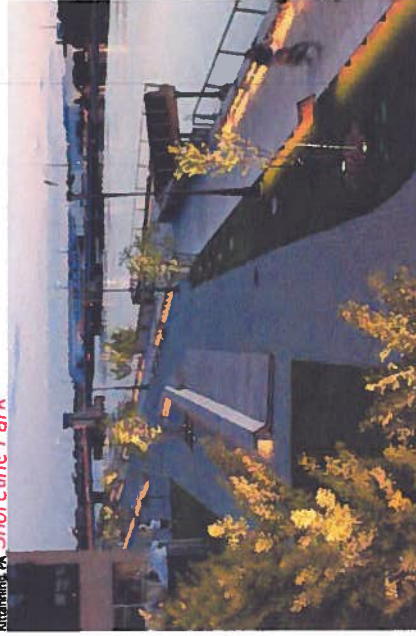
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# T4

Green Infrastructure Typologies *Shoreline Promenade :*



Kittanning, PA *Shoreline Park*



Millersburg, VA *Riverfront*

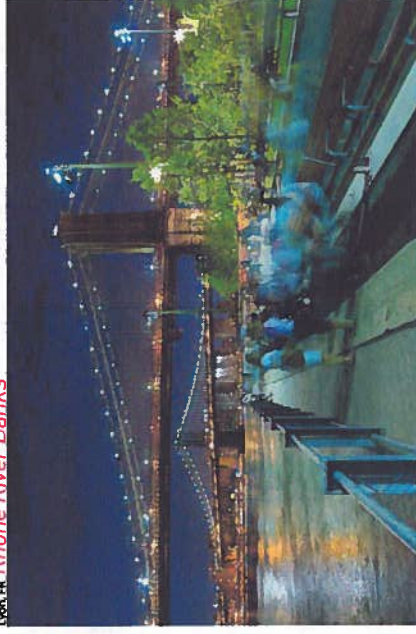


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Lyon, FR *Rhone River Banks*



New York, NY *Brooklyn Bridge Park*

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Pittsburgh, PA *Allegheny Riverfront*



Lakefront *Shoreline Promenade*



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Ecology. Realizing the Austin Creeks Vision



**ATX South Shore Waterfront**

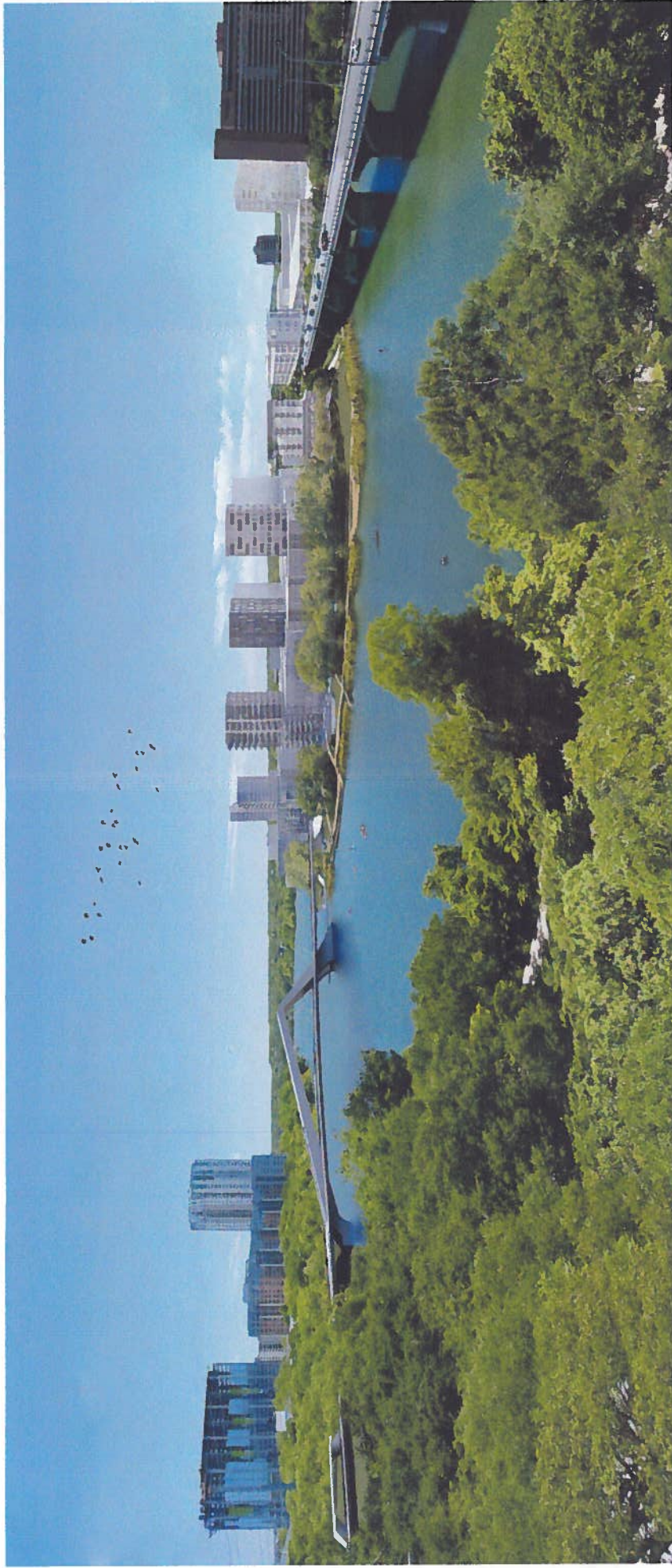
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Connectivity Waterfront Park

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