

Waller Creek

CORRIDOR FRAMEWORK PLAN

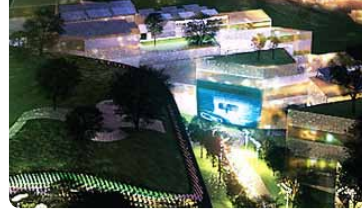




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HOWARD AIR FORCE BASE
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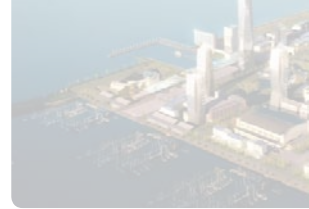
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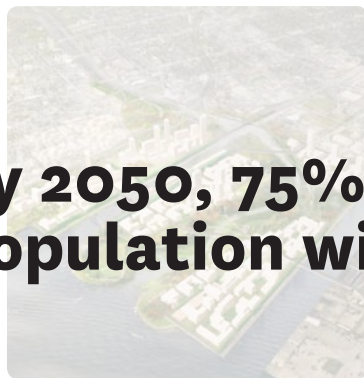
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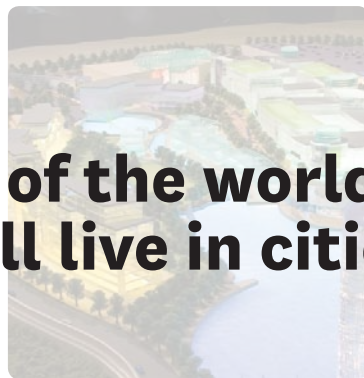
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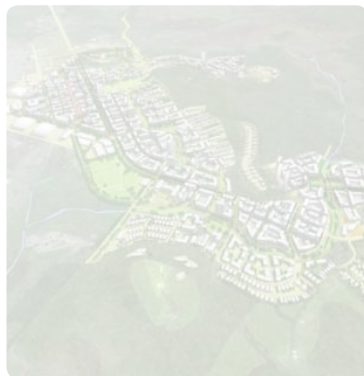
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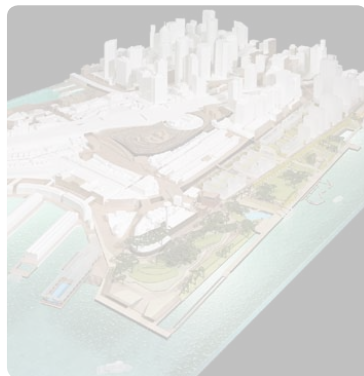
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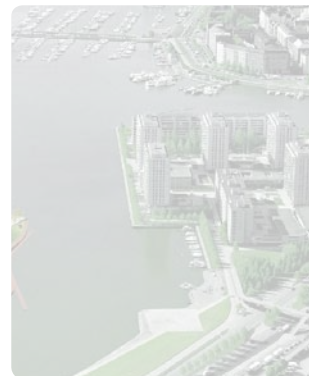
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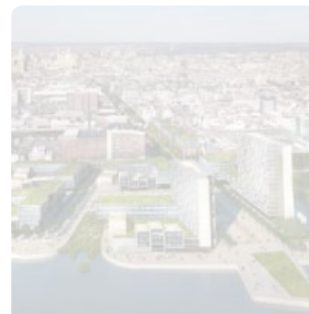
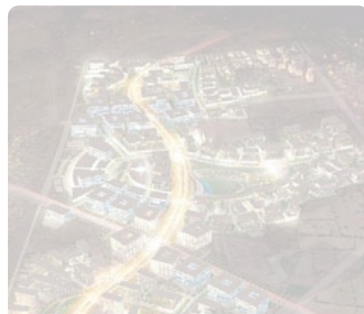
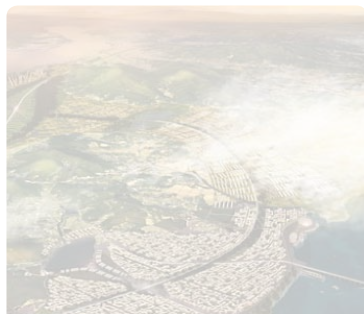
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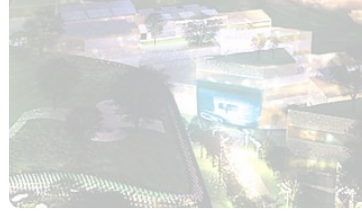
**By 2050, 75% of the world's
population will live in cities**



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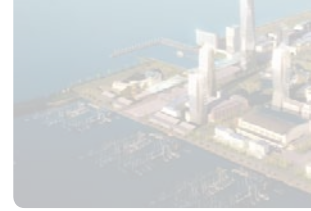
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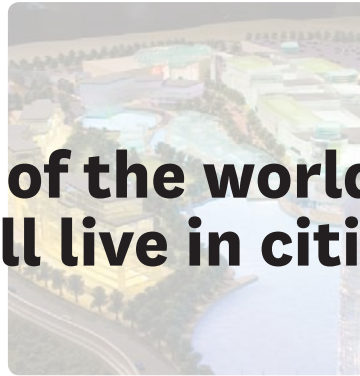
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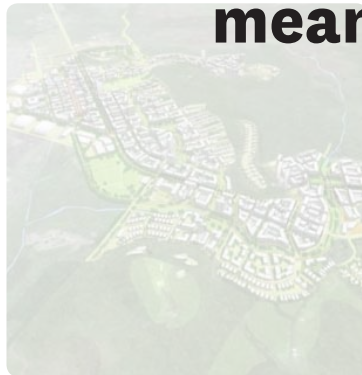
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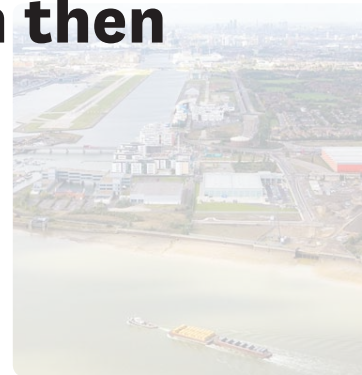
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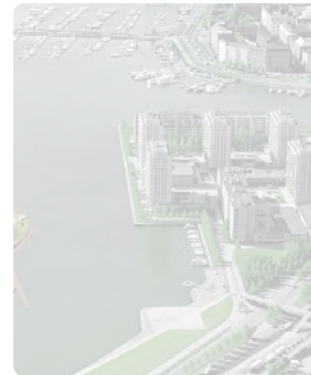
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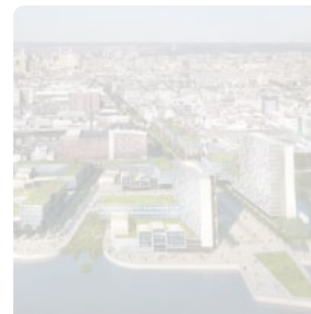
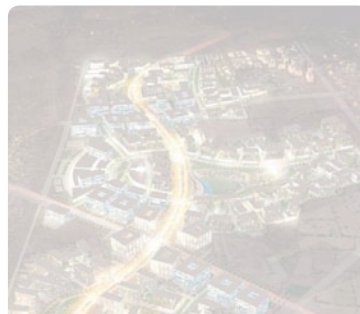
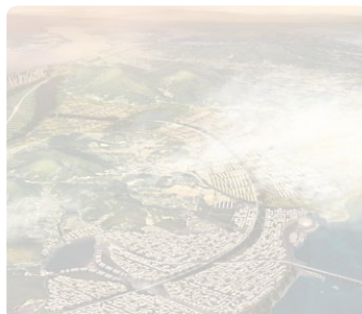
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**By 2050, 75% of the world's
population will live in cities**

**Parks/Open spaces are more
meaningful to this generation than
any prior generation**



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**Landscape Architecture is increasingly
engaged in projects that anchor
economic development**

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URBAN WATERWAYS



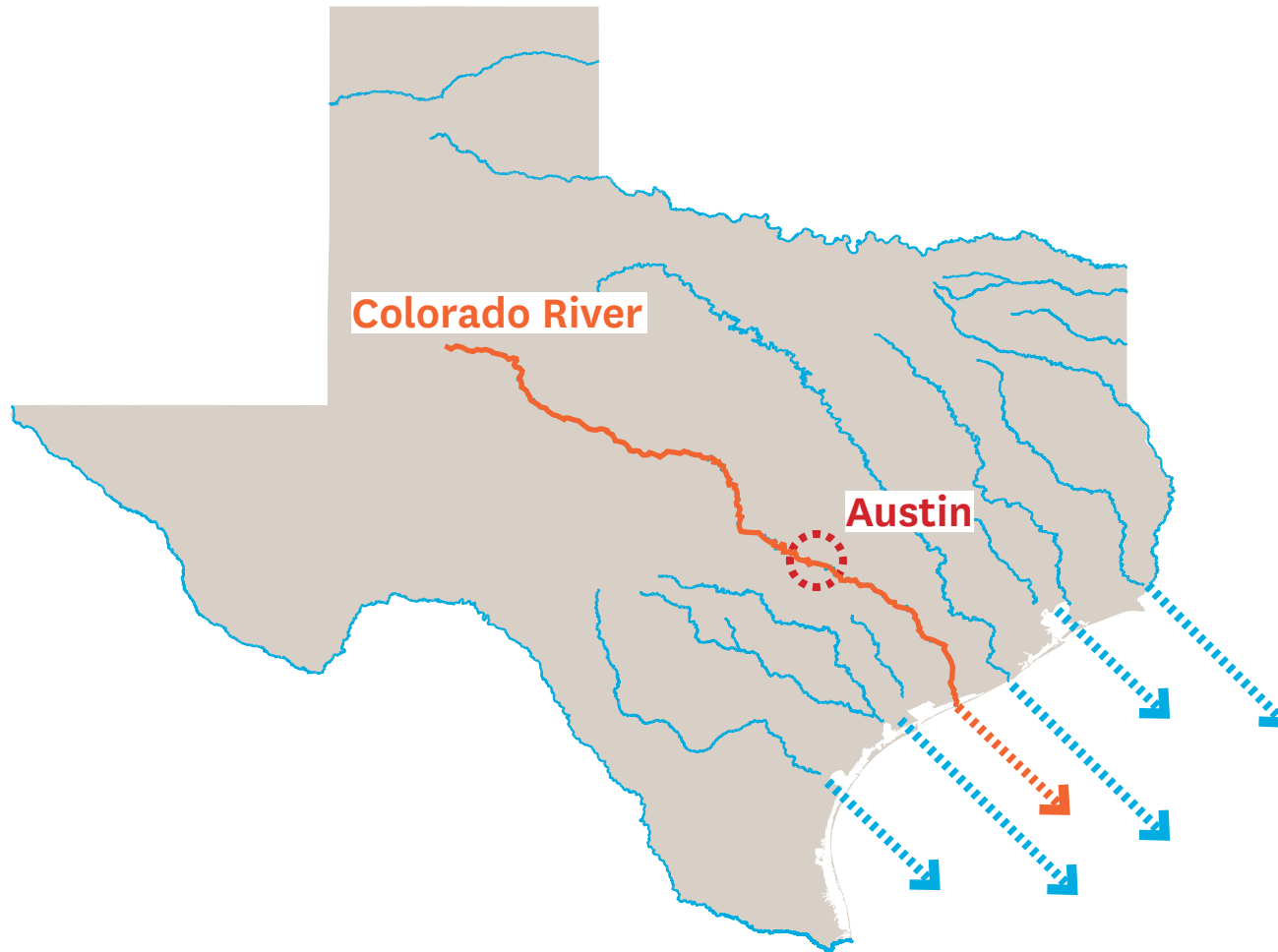
Don River, Toronto



East River, New York



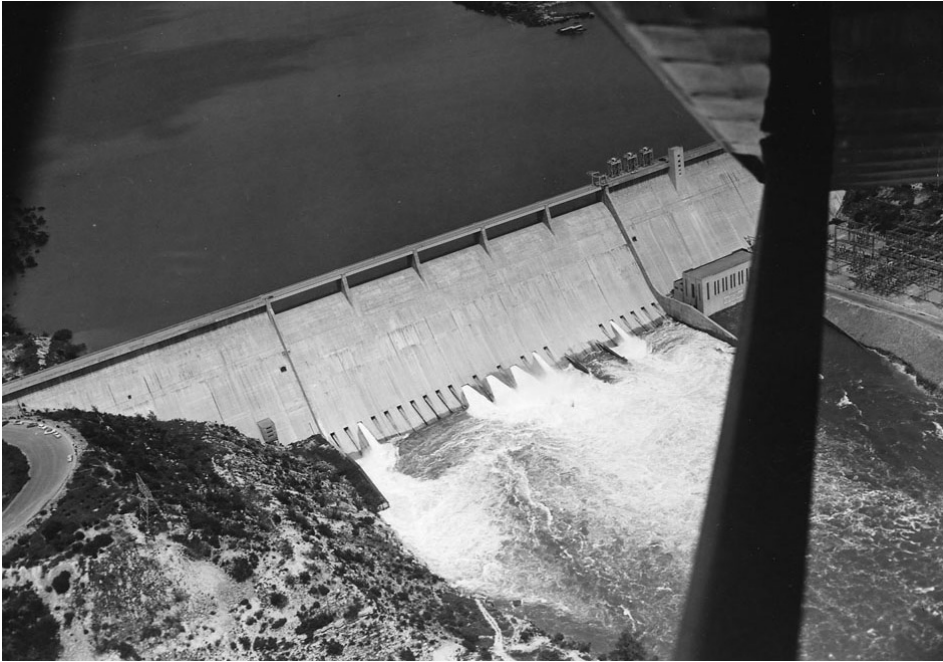
Mississippi River, St. Louis



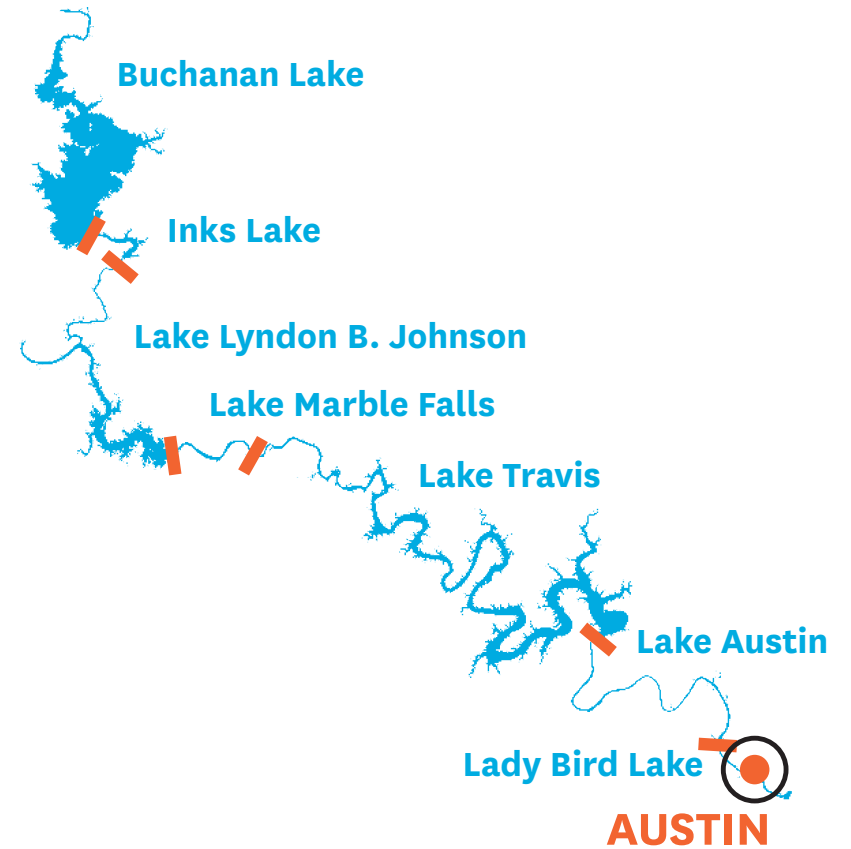
Texas: A State With No Natural Lakes



Early Struggles Against the Colorado River's Floodwaters



HIGHLAND LAKES



The Lower Colorado River Authority Takes Control



Miss Recreation, Miss Irrigation, Miss Soil Conservation, and Miss Power

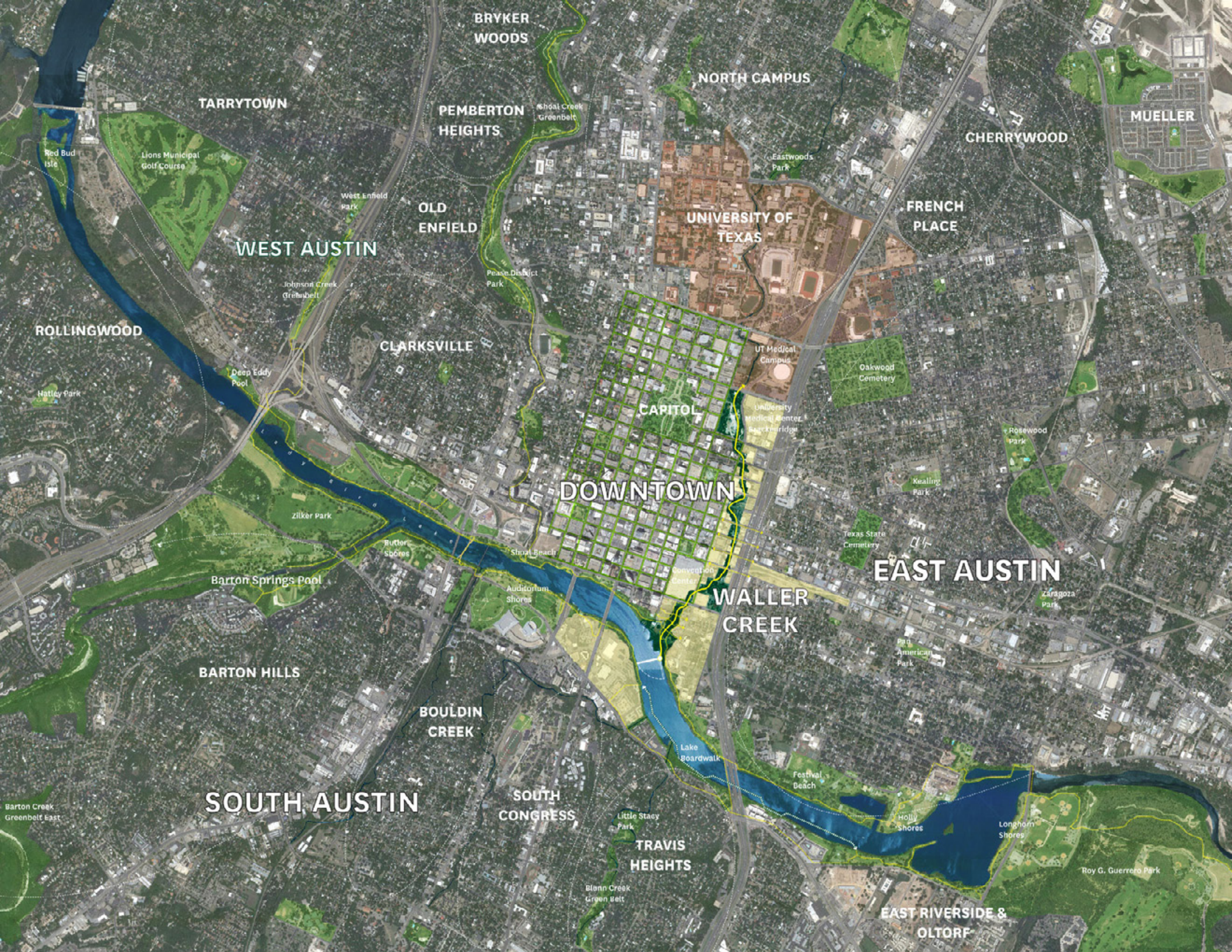


LADY BIRD LAKE HIKE & BIKE TRAILS

VISITORS PER YEAR: **1,500,000**

USERS PER DAY: **5,000+**

POPULATION OF DOWNTOWN AUSTIN: **6,000**



TARRYTOWN

PEMBERTON
HEIGHTS

NORTH CAMPUS

CHERRYWOOD

MUELLER

WEST AUSTIN

OLD
ENFIELD

UNIVERSITY OF
TEXAS

FRENCH
PLACE

ROLLINGWOOD

CLARKSVILLE

CAPITOL

DOWNTOWN

EAST AUSTIN

BARTON HILLS

WALLER
CREEK

SOUTH AUSTIN

BOULDIN
CREEK

SOUTH
CONGRESS

TRAVIS
HEIGHTS

EAST RIVERSIDE &
OLTORF

"CYBORG CREEK"



AUSTIN'S EXISTING URBAN PARKS



DOWNTOWN
AUSTIN

WATERLOO PARK

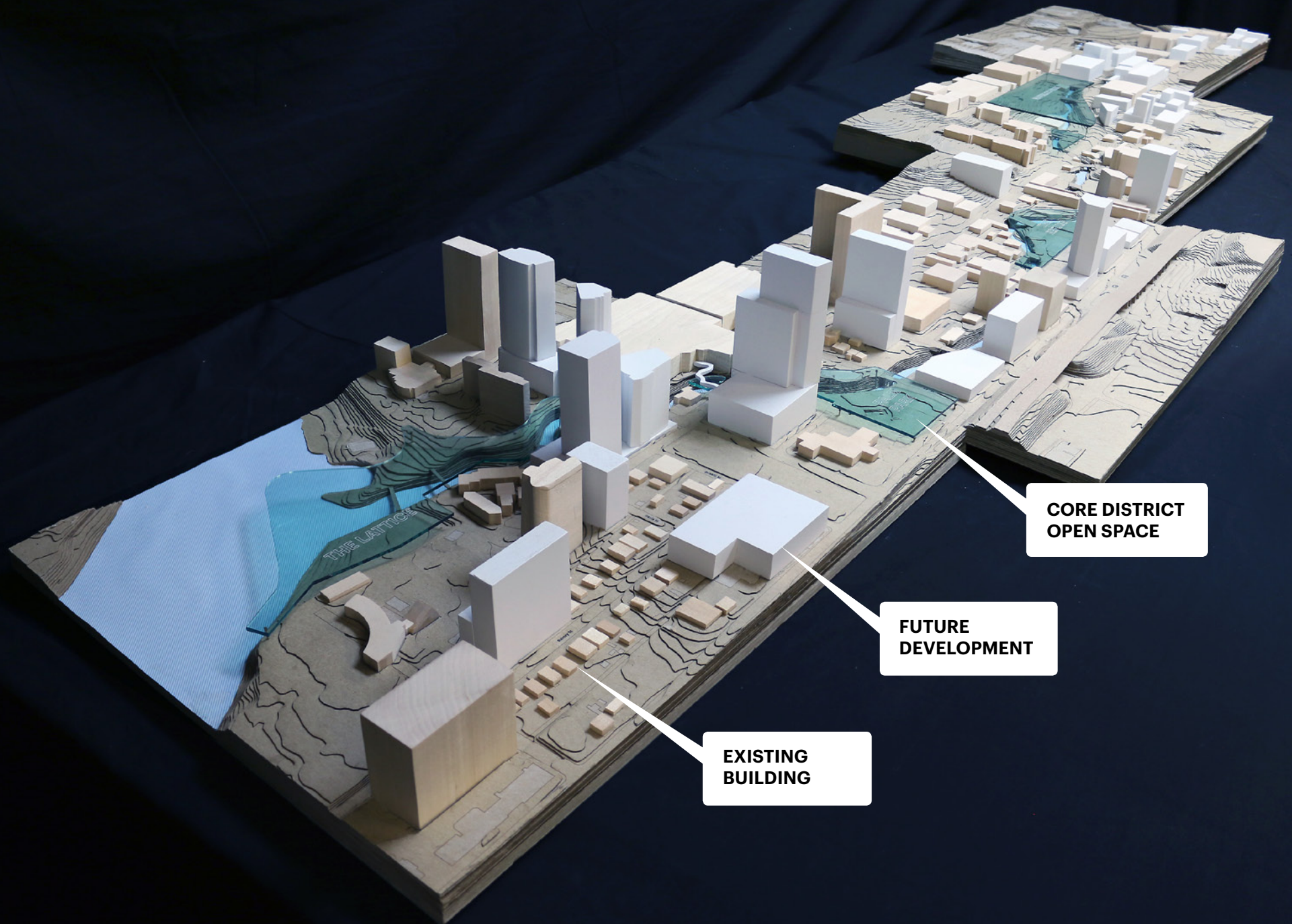
PALM PARK

EAST
AUSTIN

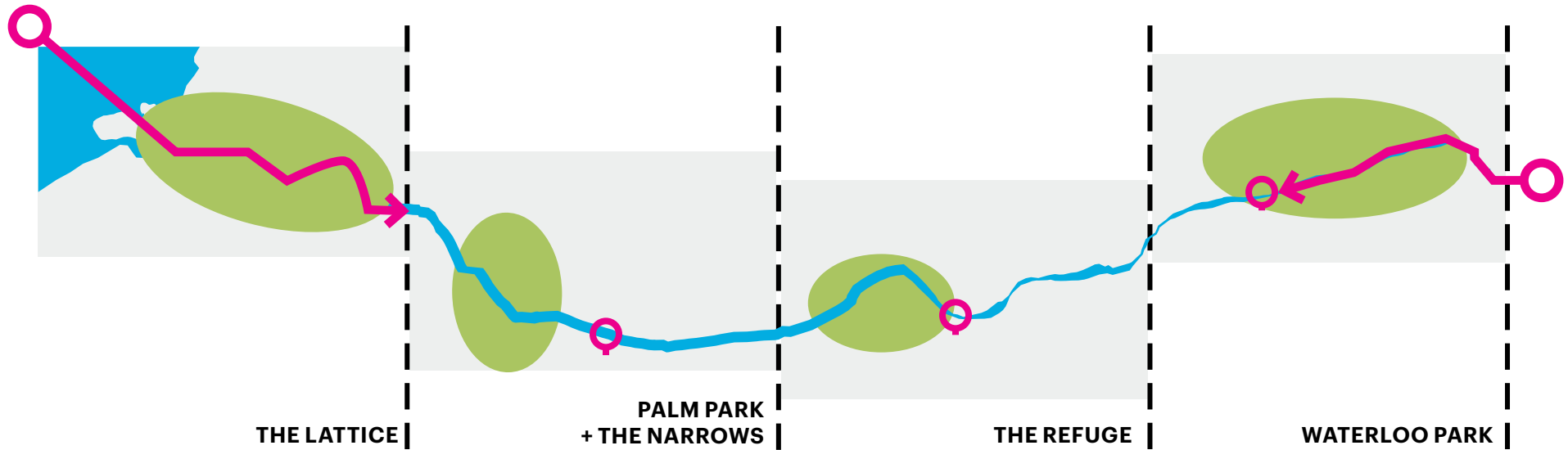
WALLER CREEK = WALKABLE CITY



BUILDING A FRAMEWORK TOOL



Waller Creek Chain of Parks



A public thoroughfare between the Lake and the Creek that showcases the ecology of Texas creeks



New urban destinations that are intensely urban designed to accommodate both visitors and Austin families



Austin's first park at the level of the creek showcases aquatic habitats and engages younger audiences

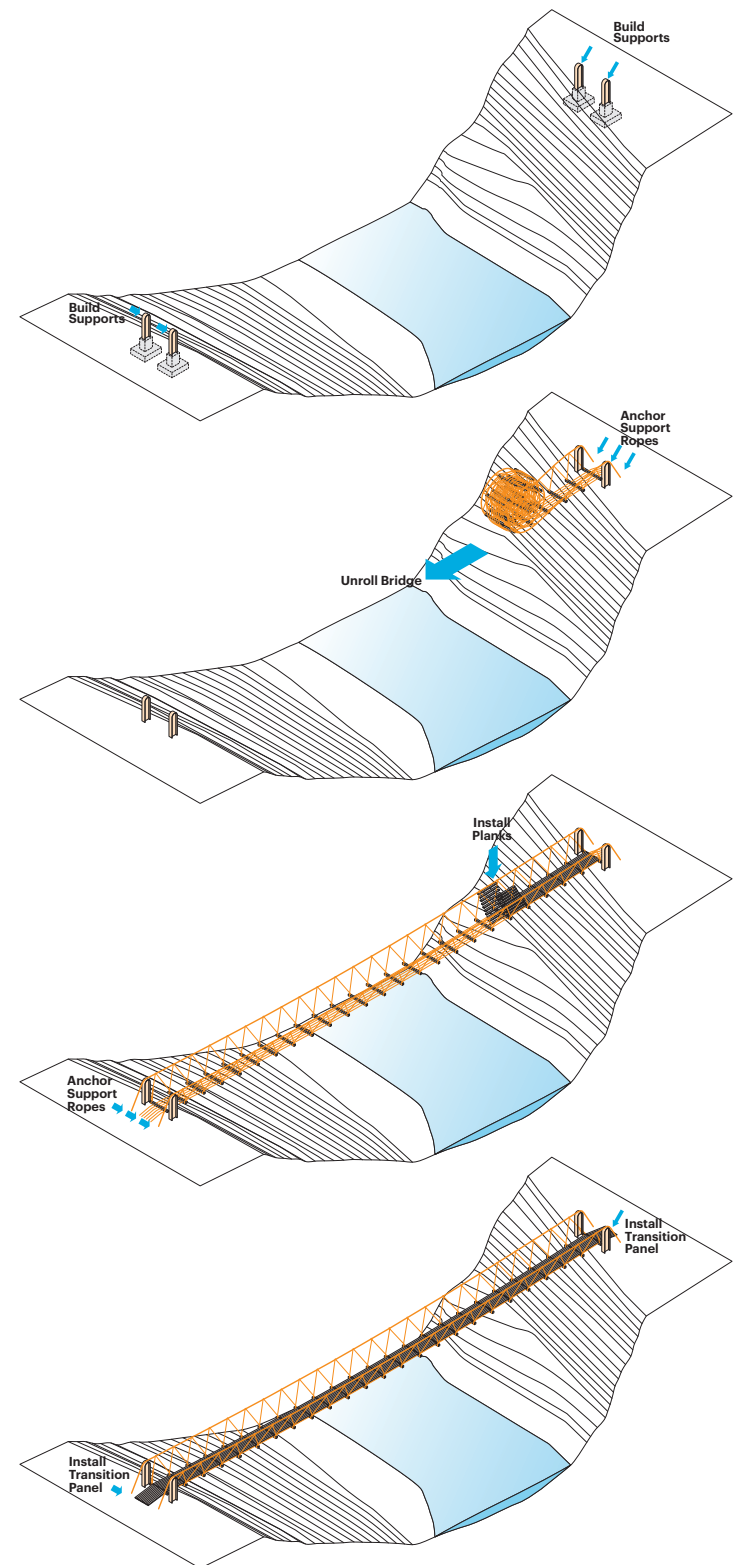


A hub for events, culture and relaxation unique to both Austin's parks and event venues

Stitching east and west



Connecting the lake to Waller Creek



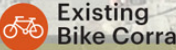
THE DEEP CHANNEL



New prospects on creek ecology



A new park at creek level



Existing
Bike Corral

Red River



Existing
Bike Corral

Opportunity
Area

Stone
Outcrop

Refugium

Future
Development
Site

Recreation
Lawn

Weir

Water Wheel

Heritage T

Boardwalk

8th Street
Inlet

Pedestrian Esplanade

The
Narrows

Potential
Development

Potential
Development

Potential
Development

Vehicular Entry ▼

P

Existing conditions



- Not ADA-compliant
- Views to back of parking structures
- Disconnected from Red River activity

A new park at creek level

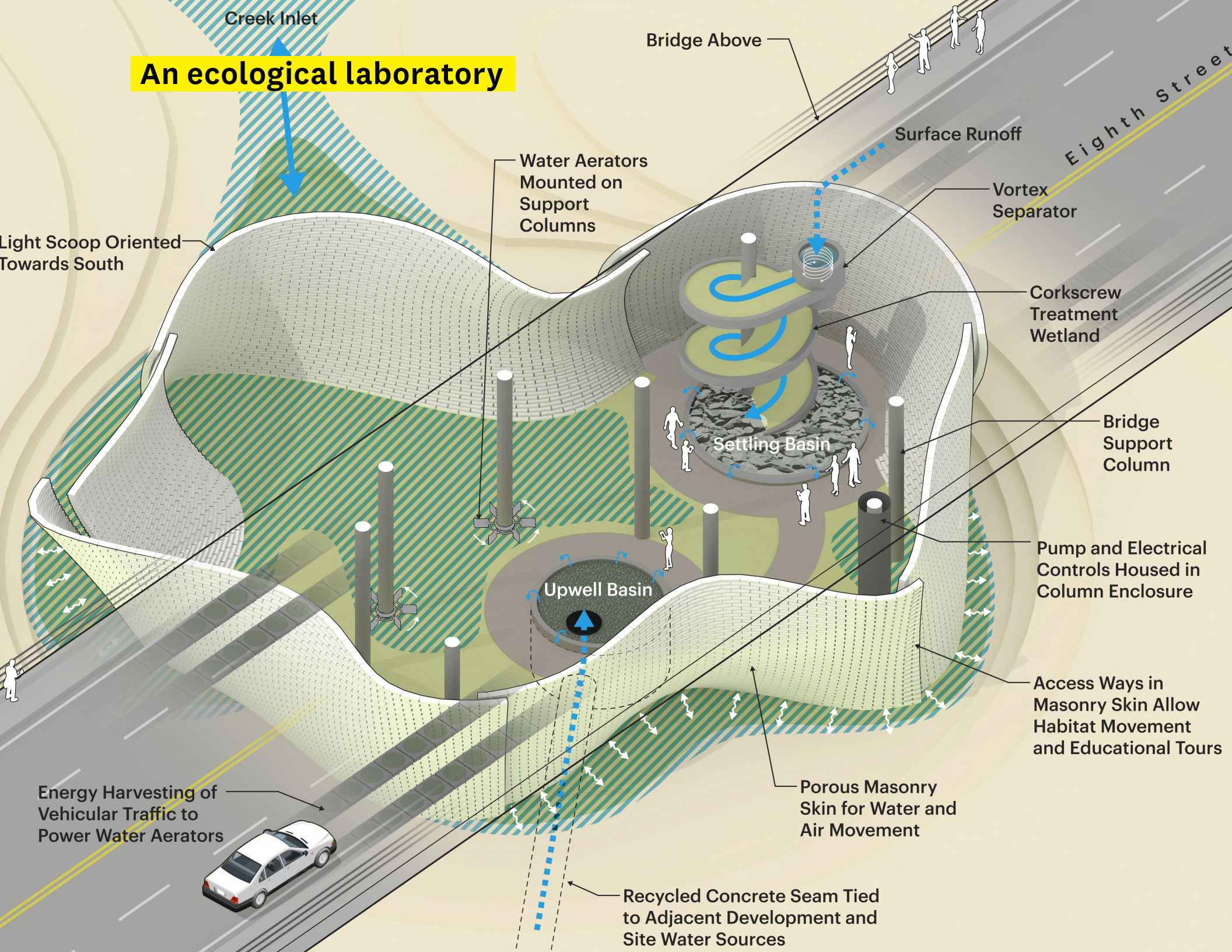


Existing Conditions: 8th Street Bridge



- Not ADA-compliant
- Views to back of adjacent buildings
- Unwelcoming passage under bridge

An ecological laboratory



A place for stewardship and environmental education



Framework = Integrated Strategies





Utilities



Heritage Trees



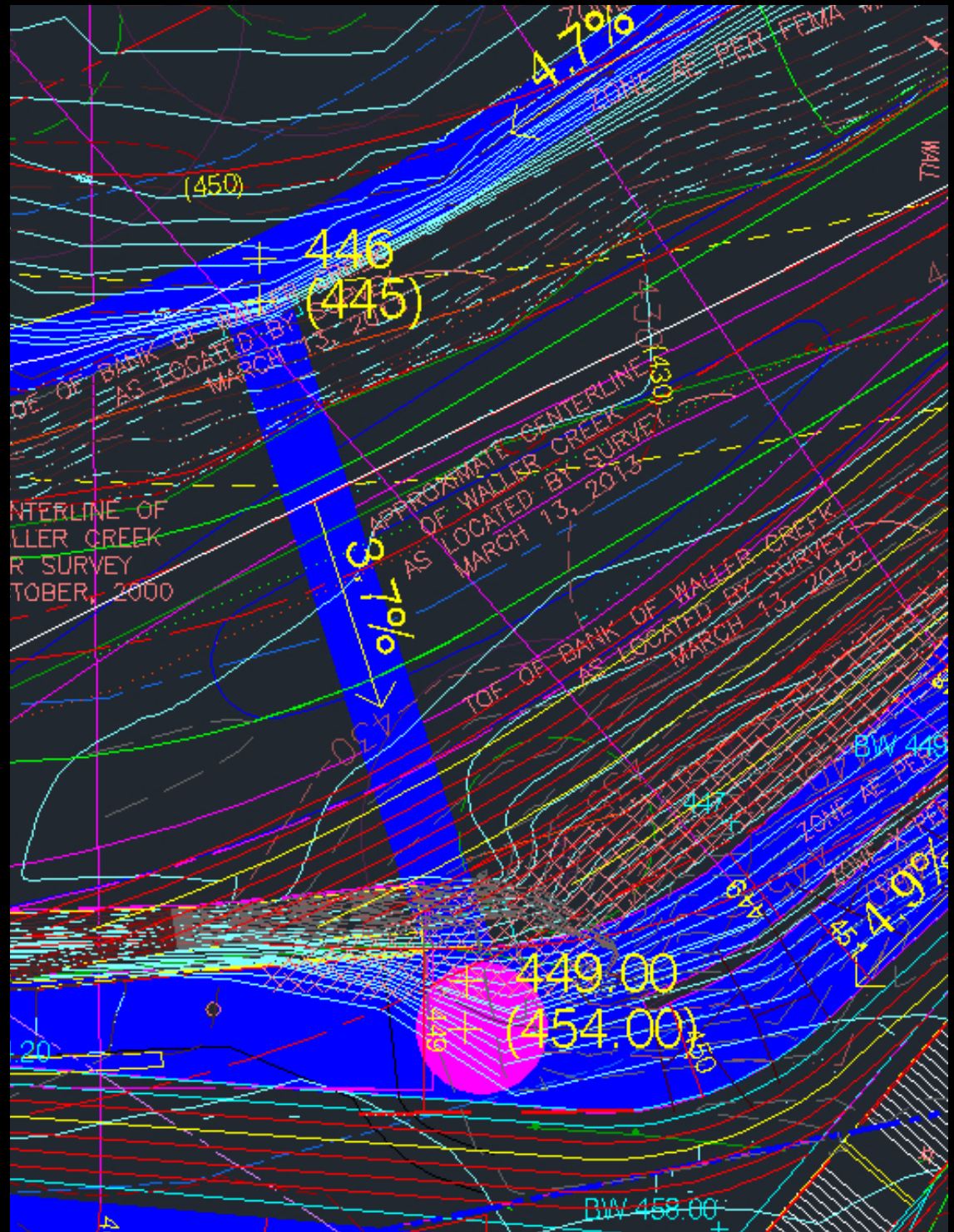
Stormwater / Water Quality



Riparian Slopes

TRACKING DATA

- Multiple existing surveys
- City of Austin GIS records
- Real estate records
- Tree survey
- As-built records
- Utility records and data
- RAS model (hydrology)
- Concurrent COA projects
- Private Development projects
- Proposed trail alignments
- Grading and section cuts
- On-site surveyed conditions (GPS)



OVERALL FRAMEWORK PLAN



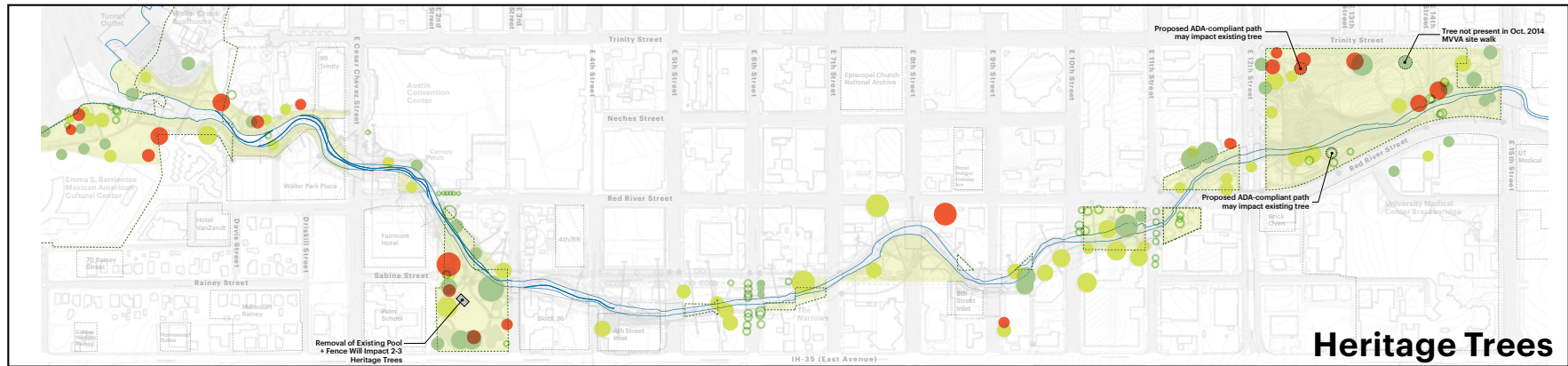
The diagram illustrates the 'OVERALL FRAMEWORK PLAN' as a central concept. It is represented by a white spiral-bound notebook icon at the top. Below the notebook, a vertical line descends and then branches into two horizontal lines. The left horizontal line connects to the text 'PROGRAMMATIC LAYERS'. The right horizontal line connects to a large rectangular box containing a bulleted list of programmatic layers. The notebook icon has the title 'Waller Creek Corridor Framework Plan' written on it in blue text.

Waller Creek Corridor Framework Plan

PROGRAMMATIC LAYERS

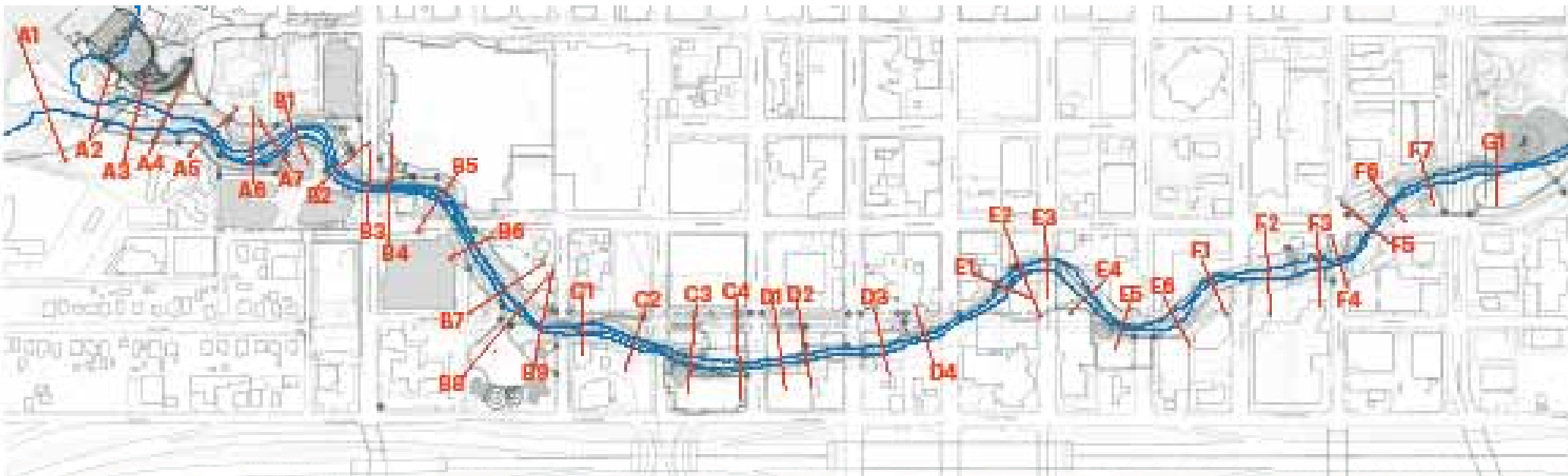
- Trail Network
- Utilities
- Heritage Trees
- Riparian Slopes
- Aquatic Habitat
- Stormwater Retrofits - Landscape
- Stormwater Retrofits - In-Line
- Stormwater Retrofits - Sewershed
- Hydraulics & Hydrology
- Landscape Types (O&M)
- Easements
- Emerging Development
- Transportation

Creek Corridor Framework Plan

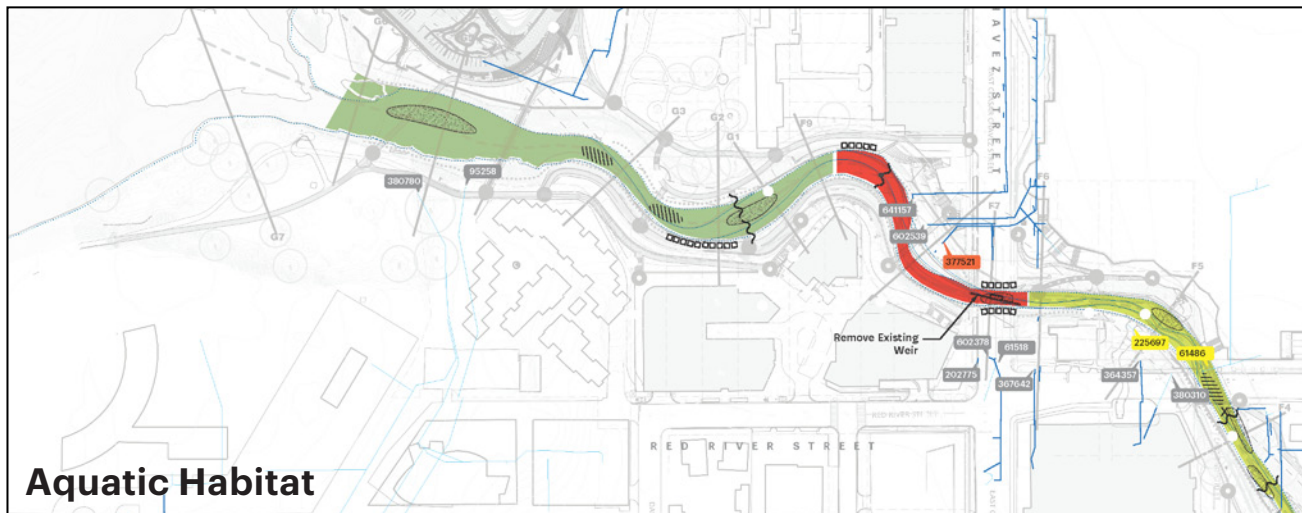
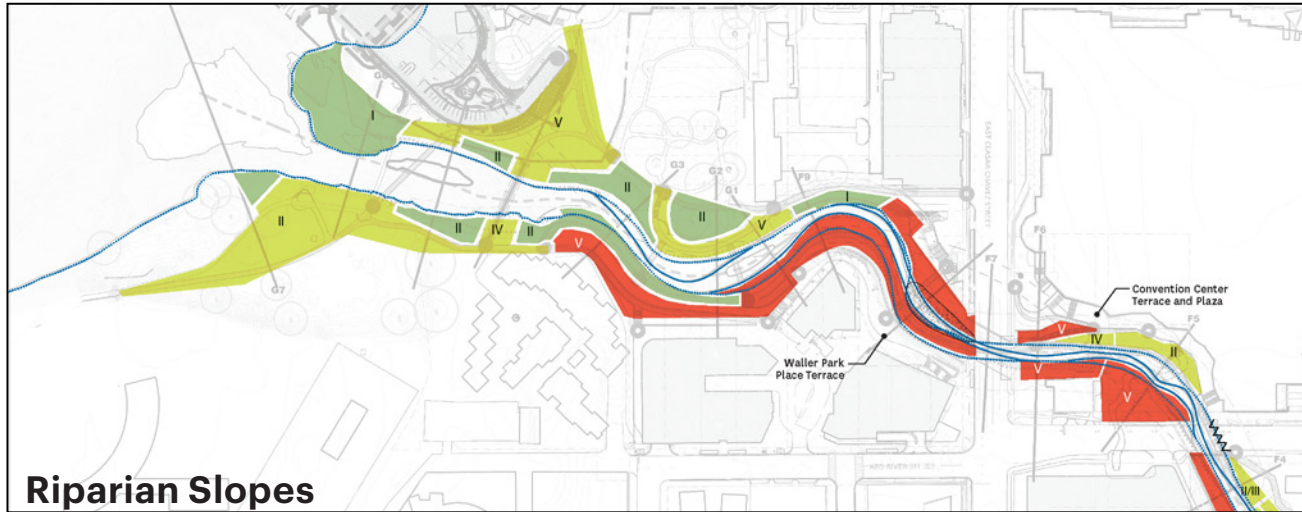


OVERALL FRAMEWORK PLAN

40+ CROSS-SECTIONS



PROJECT TYPE MAPS



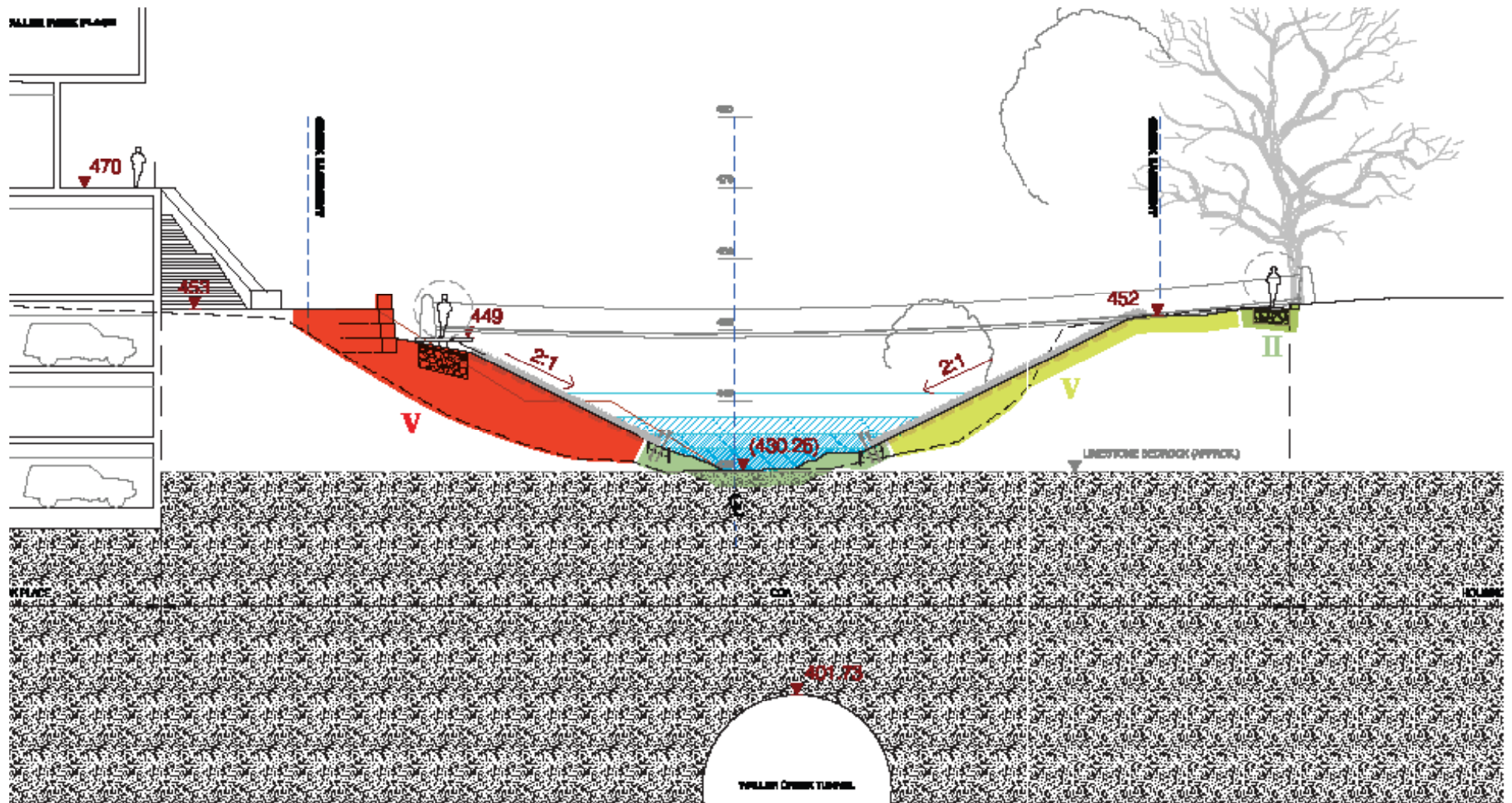
PROJECT TYPE

- Do Nothing
- Preservation
- Restoration
- Reconstruction

VEGETATION CLASS

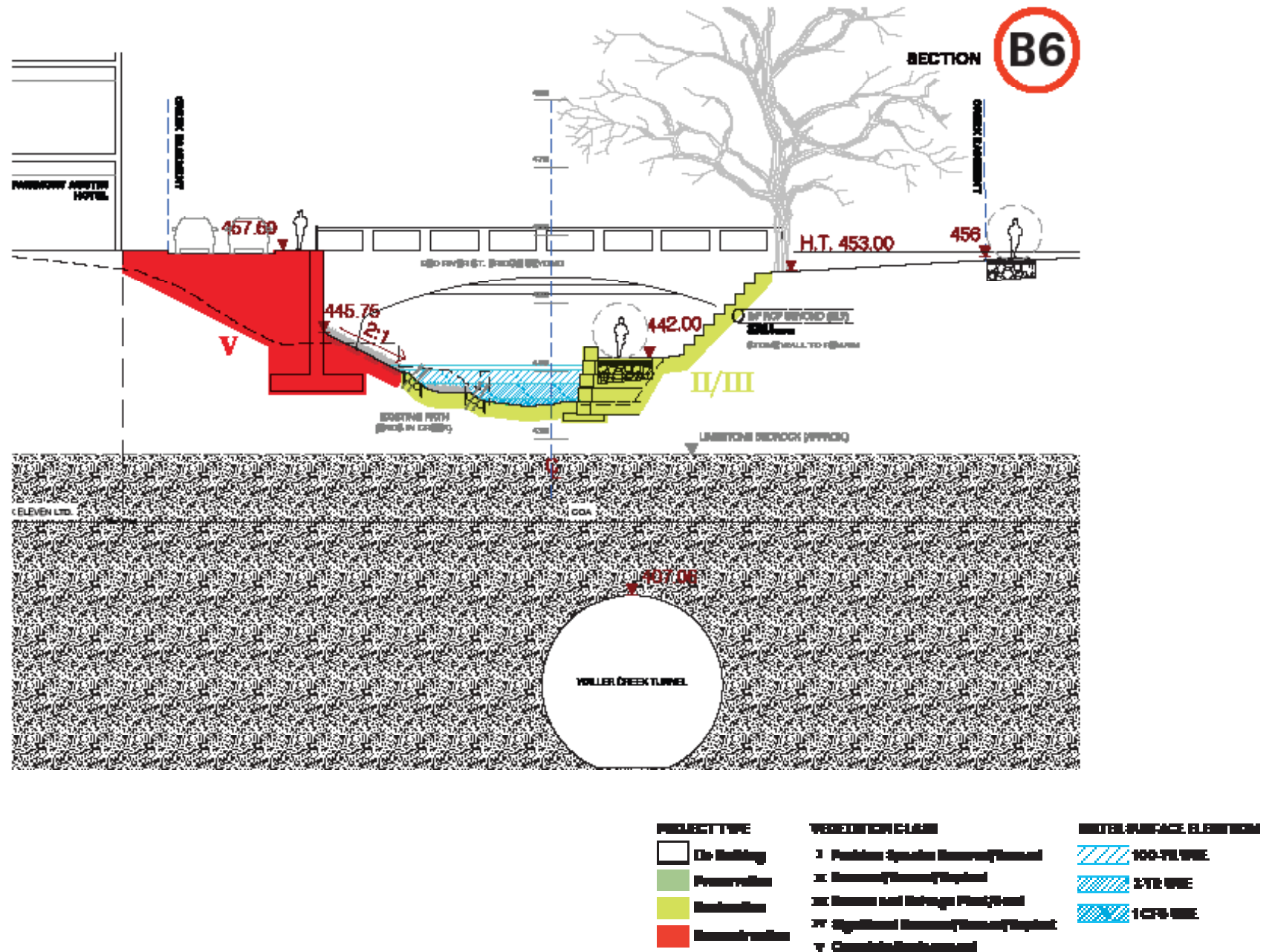
- I** Problem Species Removal/Reseed
- II** Removal/Reseed/Replant
- III** Rescue and Salvage Plant/Seed
- IV** Significant Removal/Reseed/Replant
- V** Complete Replacement

PROJECT TYPES AT THE LATTICE

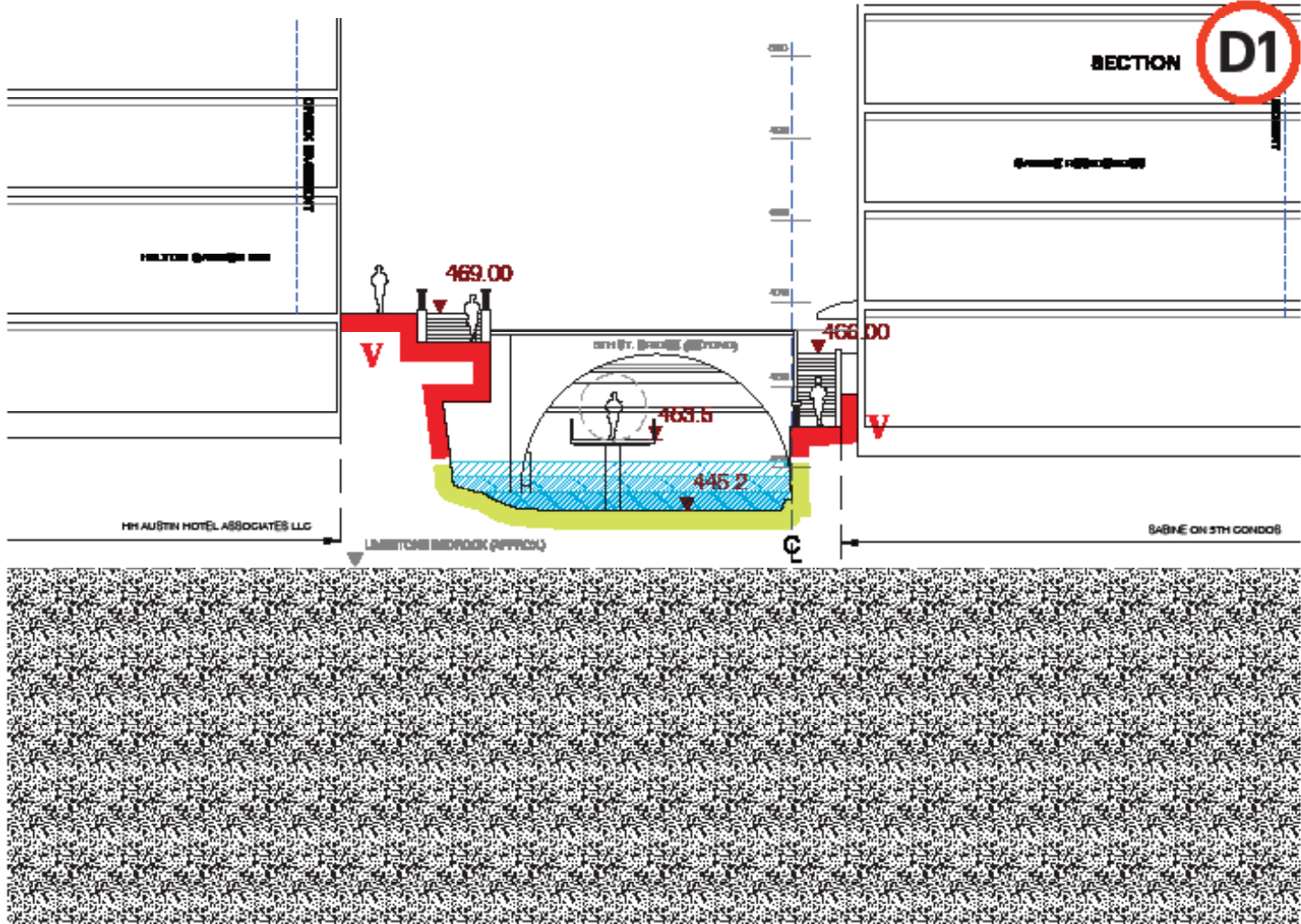


PROJECT TYPE	VEGETATION CLASS	WATER SURFACE ELEVATION
Do Nothing	1 Positive Species Removal/Replant	100-YR WSE
Preservation	2 Remove/Replant/Replant	2-YR WSE
Restoration	3 Remove and Replant Plant/Seed	1 CFS WSE
Reconstruction	4 Significant Remove/Replant/Replant	
	5 Complete Removal/Replant	

PROJECT TYPES AT BRIDGES



PROJECT TYPES IN URBAN CHANNEL



PROJECT TYPE	VEGETATION CLASS	WATER SURFACE ELEVATION
No Building	1 Problem Species Removal/Control	100-YR WFE
Preservation	2 Removal/Control/Replant	2-YR WFE
Restoration	3C Removal and Salvage Plant/Seed	1-CFS WFE
Reconstruction	3F Significant Removal/Control/Replant	
	4 Complete Replacement	

WALLER CREEK CORRIDOR

