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Johanna McCrehan and Katherine Moore,
Sustainable Growth Team Members

Georgia Tech Masters of Urban Design Studio
Led by Professor Richard Dagenhart

2010 FOCUS AREAS

- Connections
- Redevelopment
- Opportunities for Advancement
- Food Access
- Public Art
- Environment & Natural Amenities
- Recommendations

2019 FOCUS AREAS

- Connections
- Redevelopment
- Opportunities for Advancement
- Food Access
- Public Art
- Environment & Natural Amenities
- Recommendations

2019 FOCUS AREAS

- Connections

N/S/E/W, both across the NPU
and within neighborhoods

- Redevelopment

Focus areas, large assemblages,
AHA properties

- Environment & Natural
Amenities

Parks, rivers, retain existing green
infrastructure & allow for new

- Recommendations

2019 FOCUS AREAS

- Connections

N/S/E/W, both across the NPU
and within neighborhoods

- Redevelopment

Focus areas, large assemblages,
AHA properties

- Environment & Natural
Amenities

Parks, rivers, retain existing green
infrastructure & allow for new

2019 IMPACT

- Connections

Public safety

- Redevelopment

Better amenities and quality of life,
housing variety

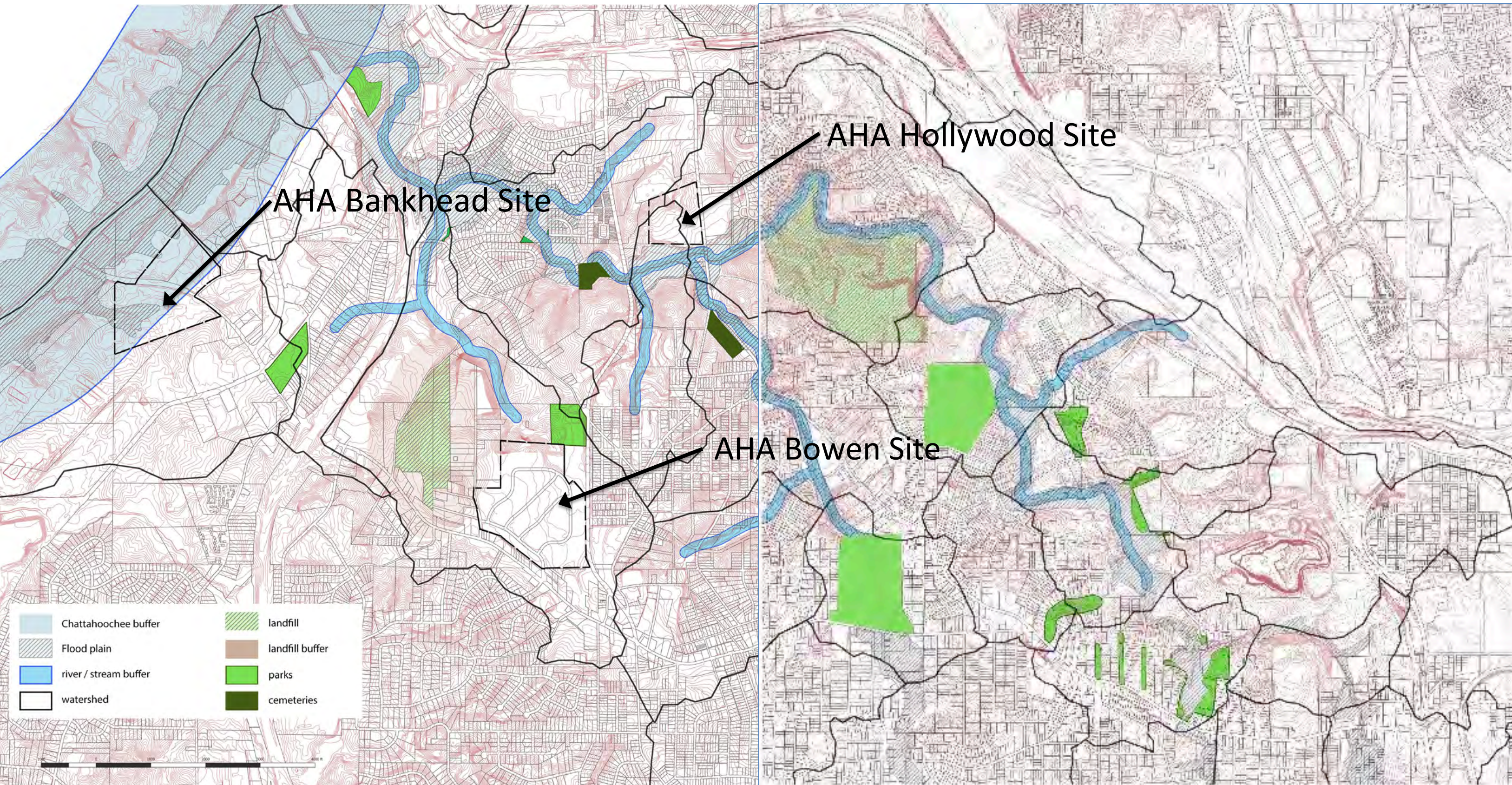
- Environment & Natural
Amenities

Protect water quality, tree canopy,
and “green” community identity

- Recommendations

NPU-G Master Plan Studies

Collaborators and Sponsors - Georgia Conservancy and the Turner Foundation



NPU-G meeting— February 21, 2019

BOWEN

Georgia Institute of Technology

Archess Huang

Rajhasurya Ashok

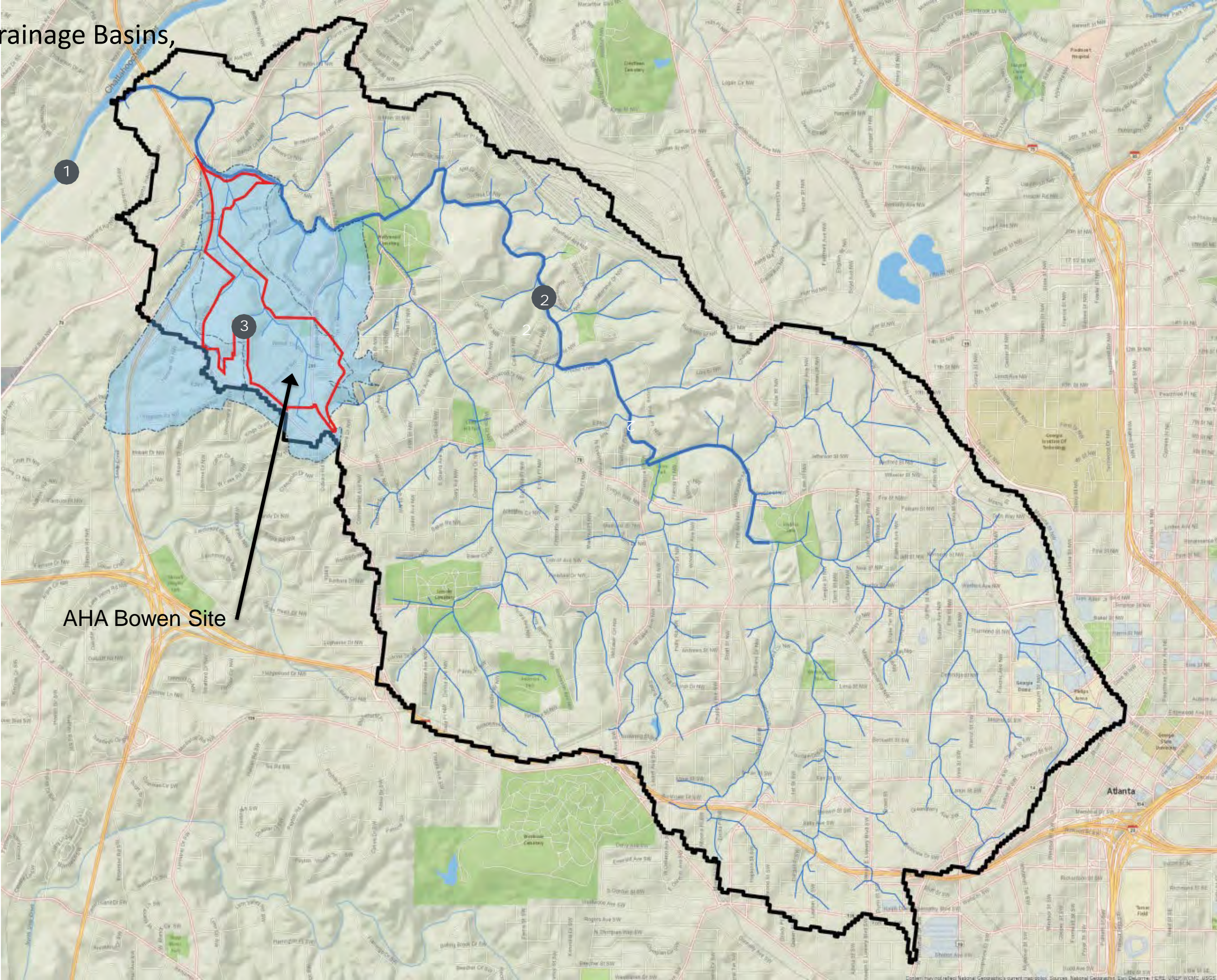
Joel Jassu

Tiffany Moo-Young



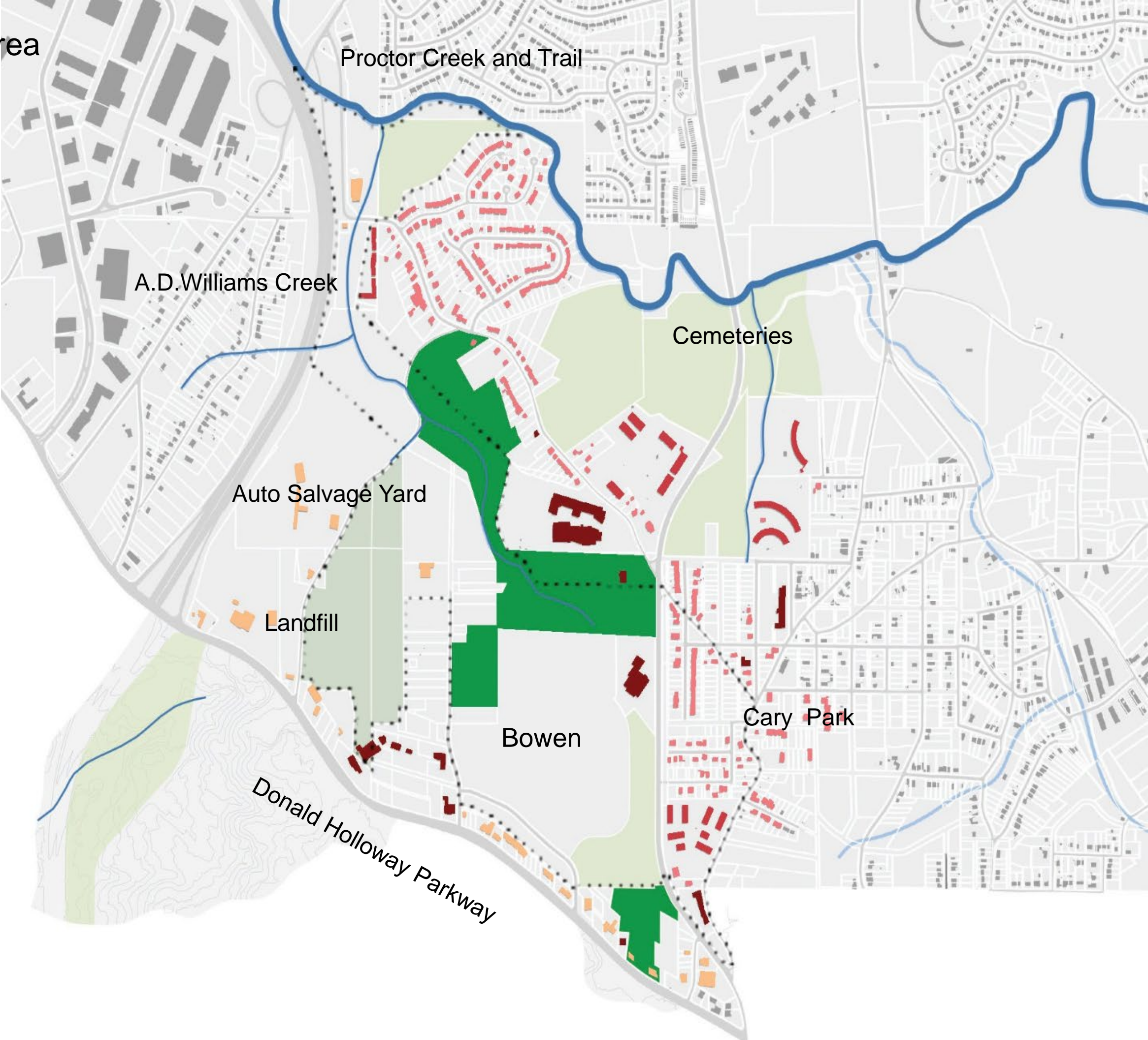
Site, Study Area and Drainage Basins,

- Chattahoochee River
- Proctor Creek
- AD William Creek
- Drainage Basin Boundaries
- Study Boundary

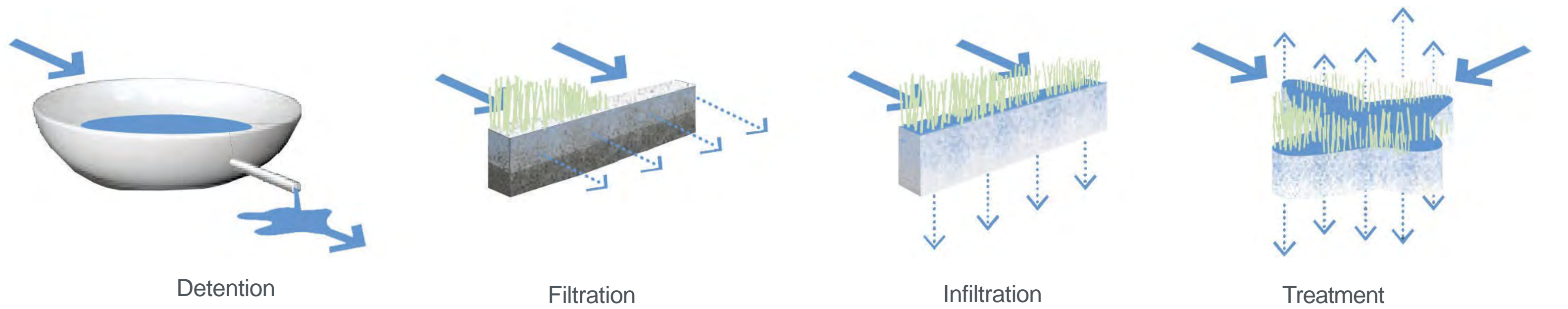
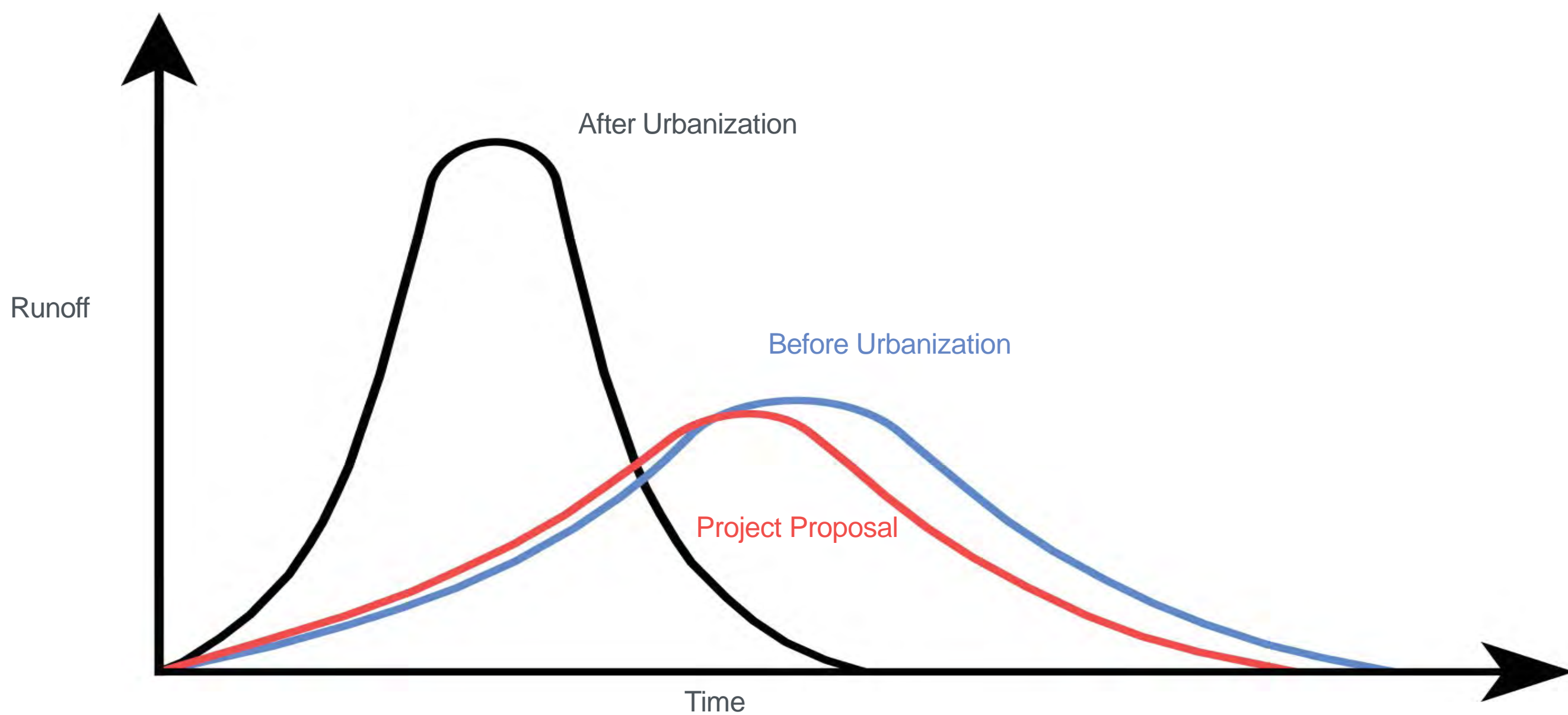


Opportunities in the Study Area

- Creeks
- A.D William Park
- Public Assets
- Multifamily
- Single Family
- Commercial

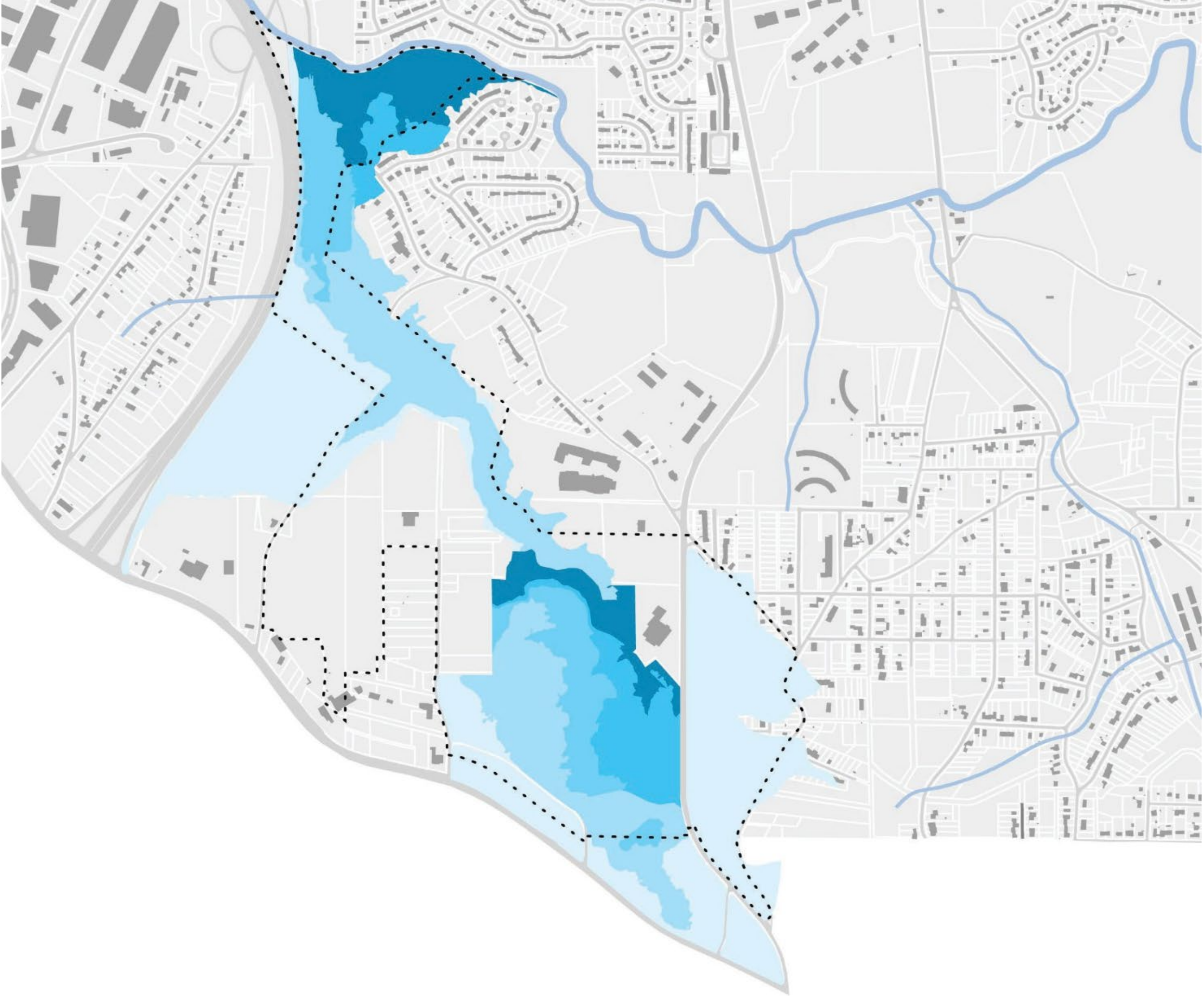


Hydrograph and Hydrologic Strategies for the Bowen Combined Drainage Basins

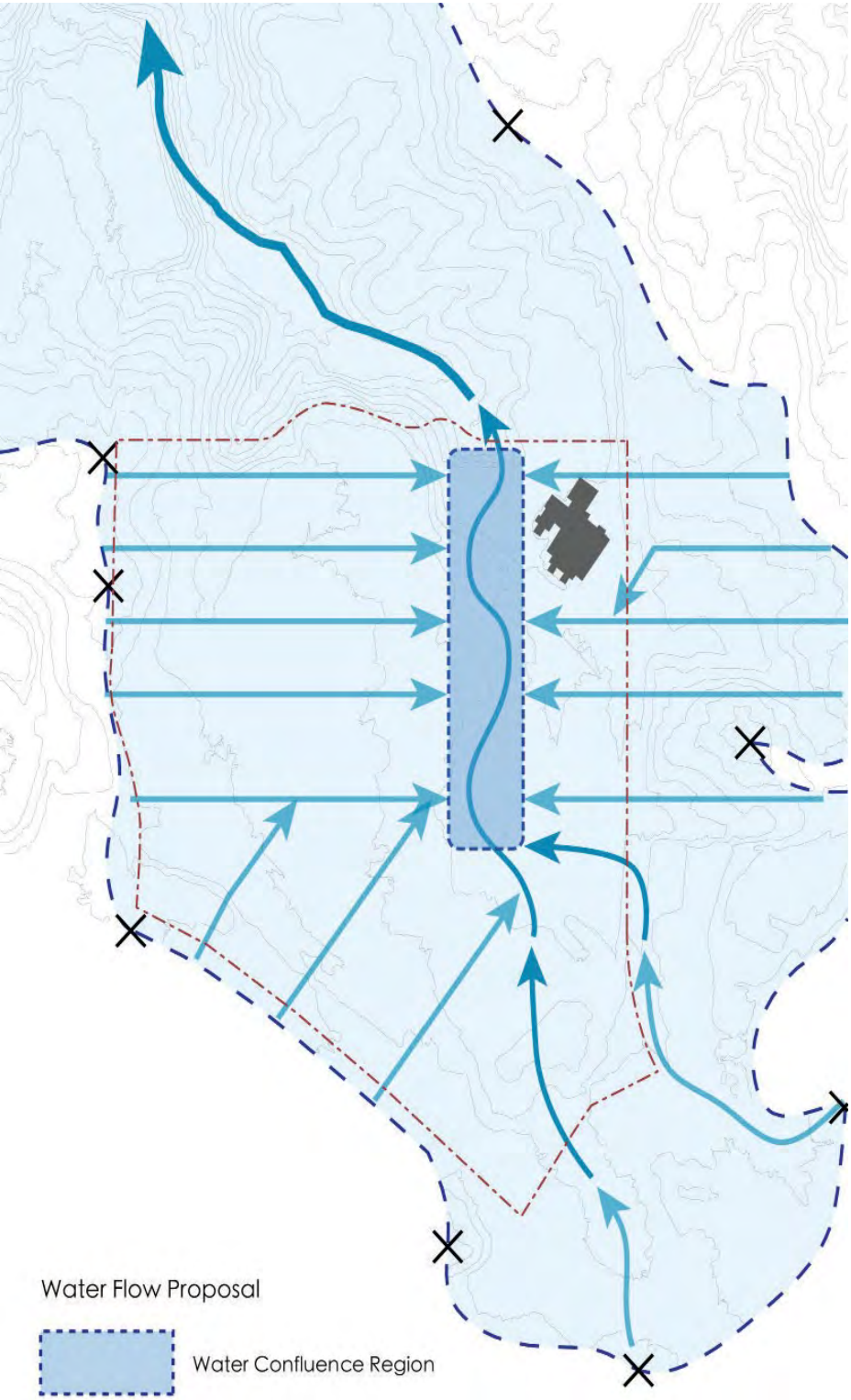
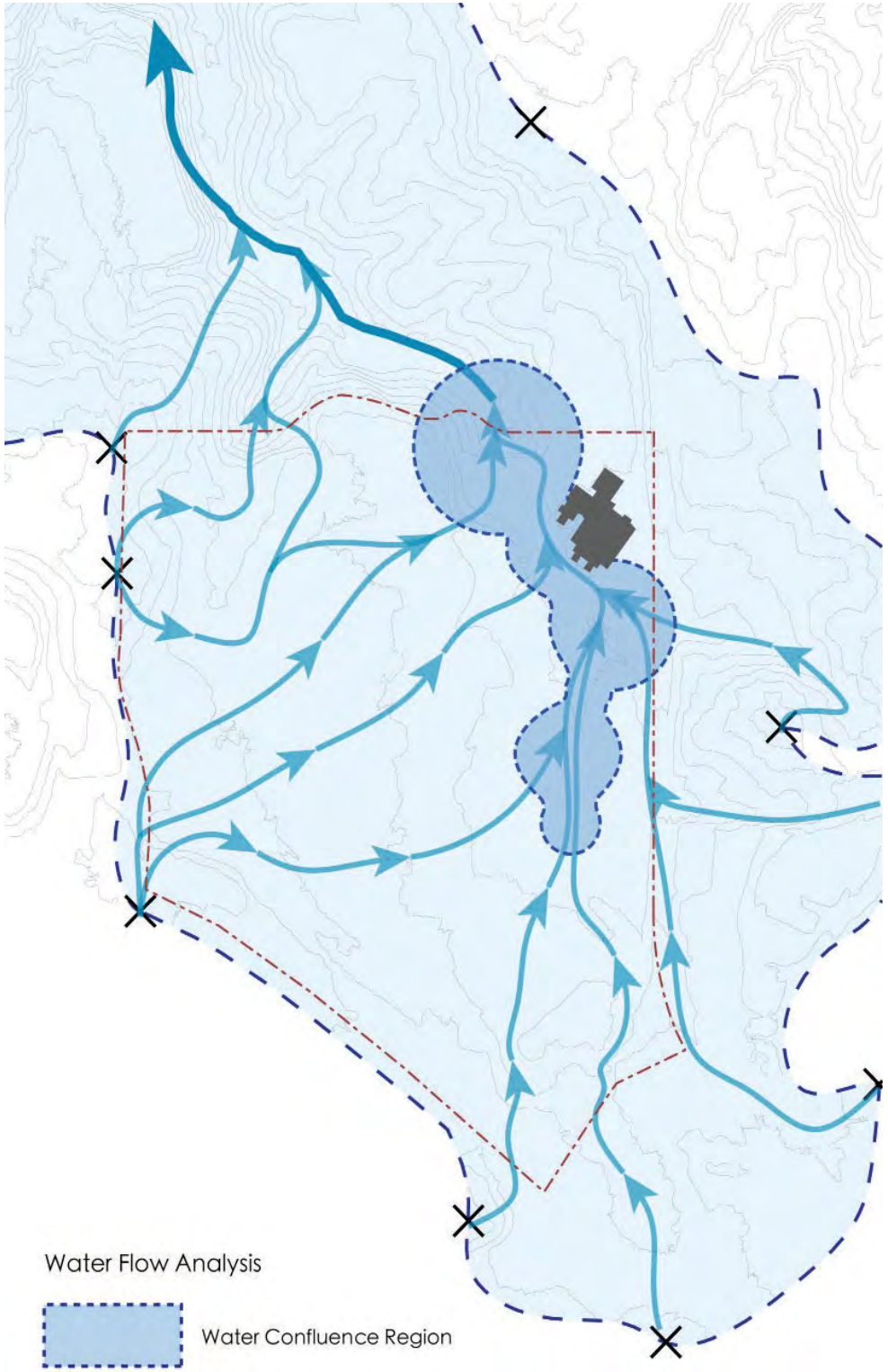
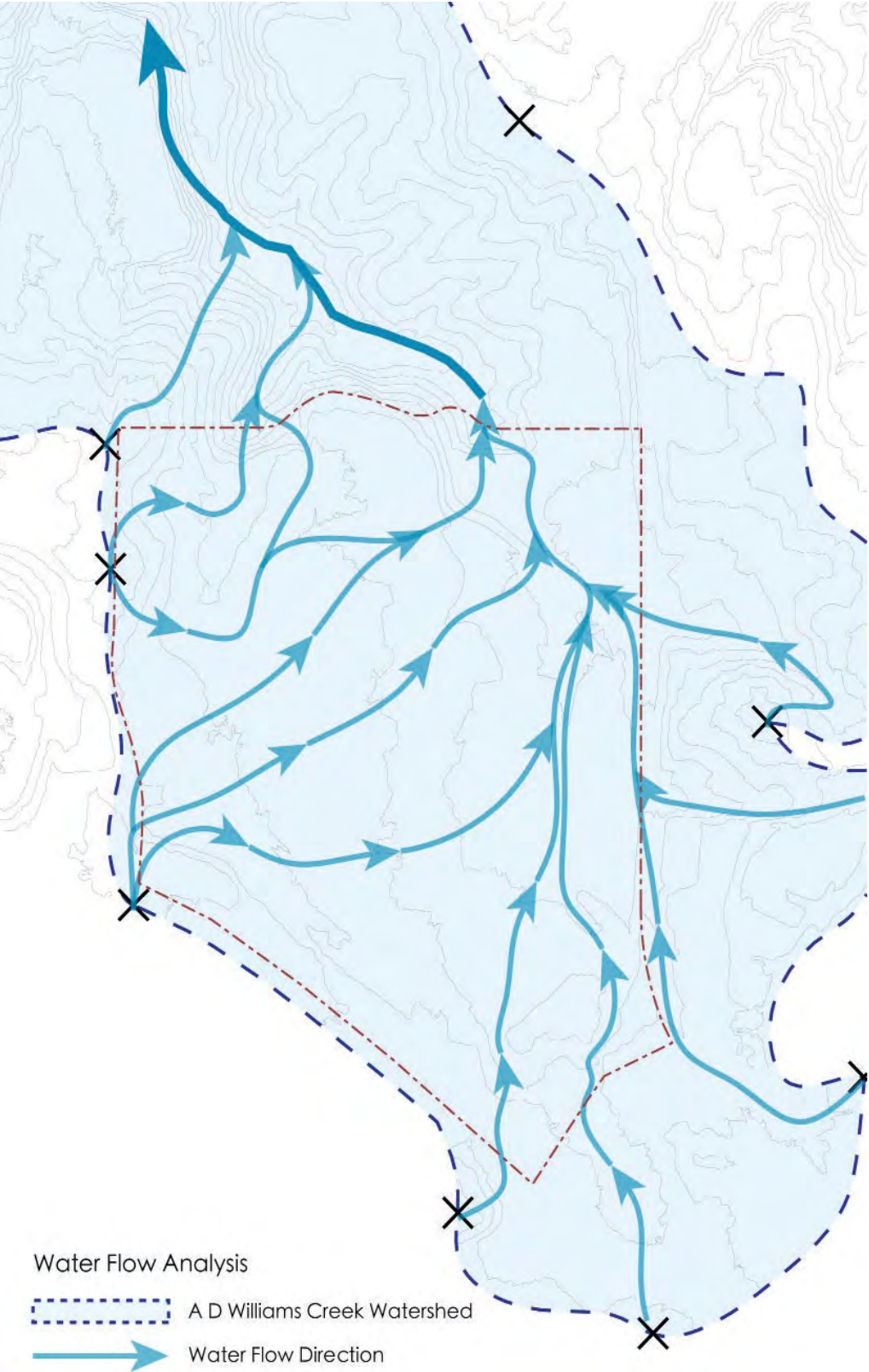


Hydrologic Strategies

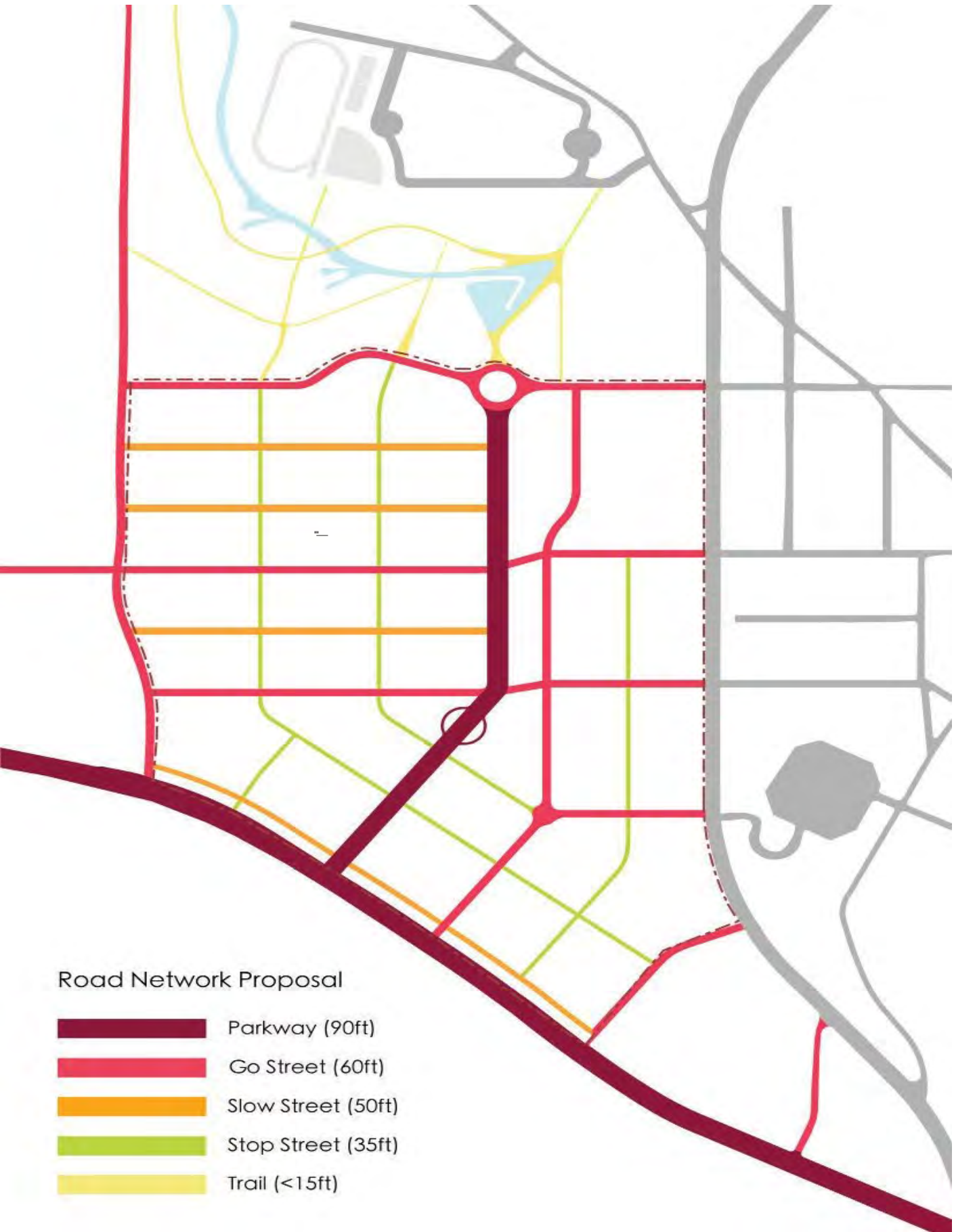
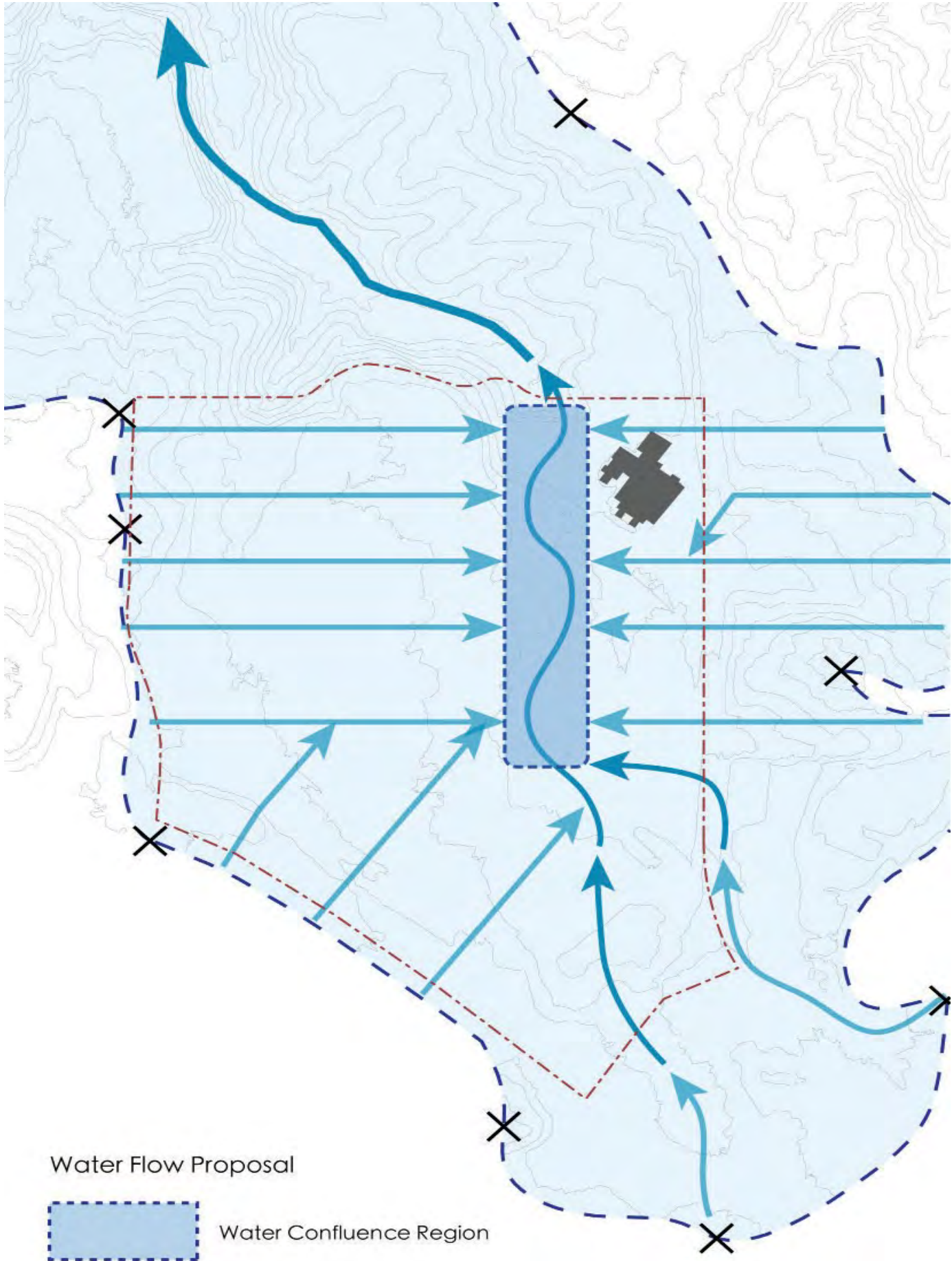
- Treatment/Filtration
- Filtration/ Infiltration
- Slowing Water
- Capturing Water



Water Flow Analysis and Schematic Design



Schematic Design – Water Flow and Street Network



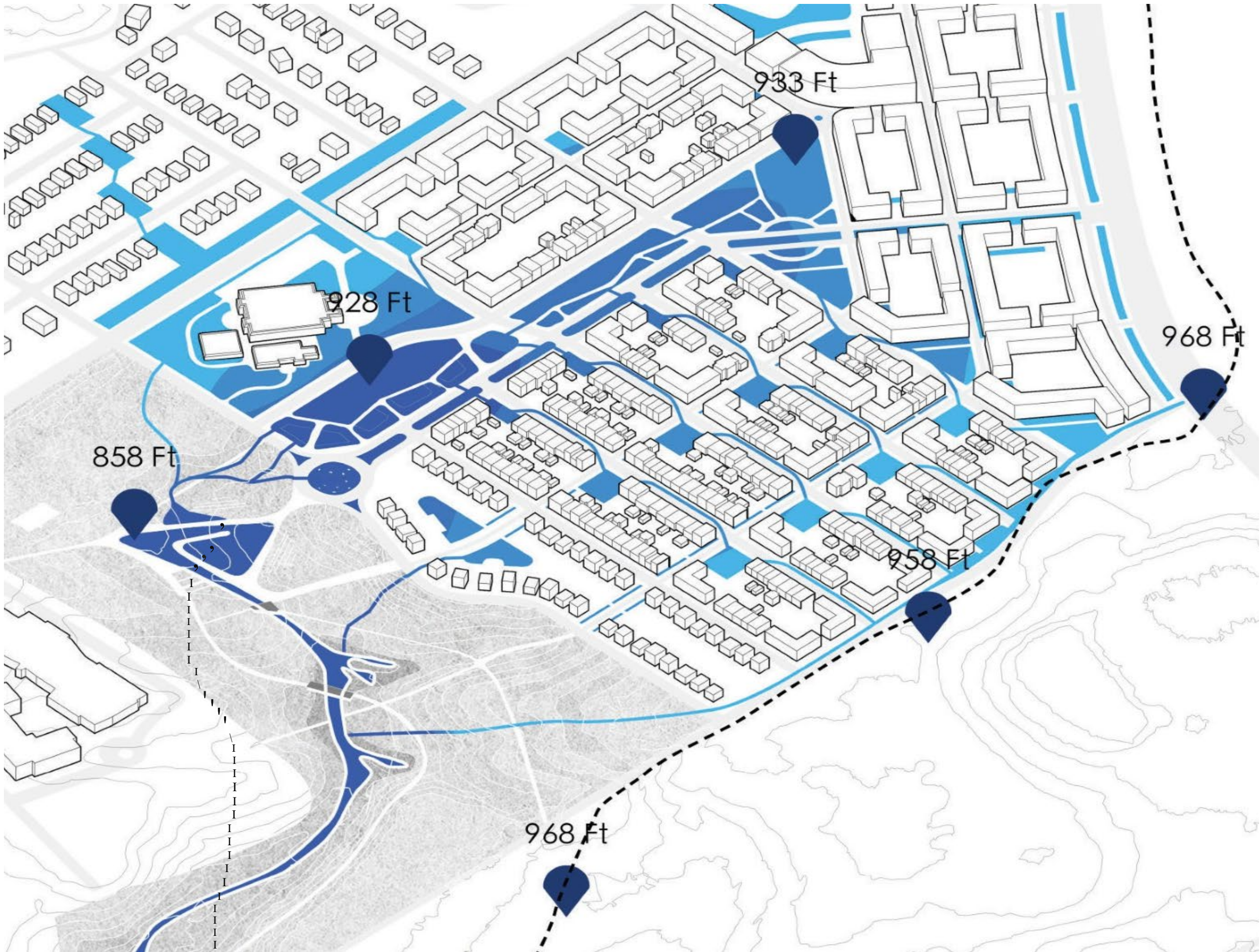
Schematic Design: Streets, Blocks, Green Infrastructure, Buildings



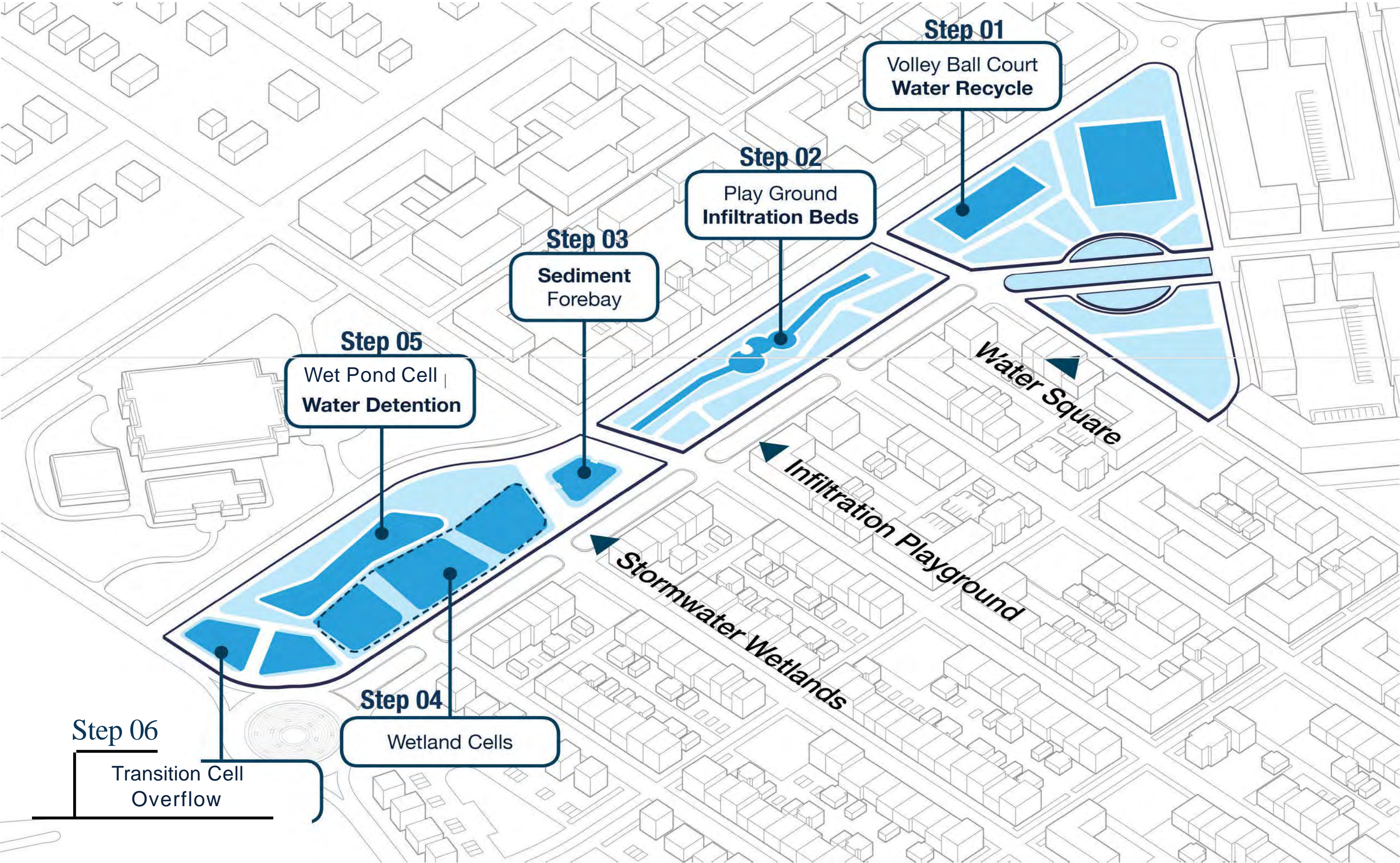
Green Infrastructure Schematic and Illustrative Plan



Water Flow Within Bowen Sub-Basin



Bowen Rainwater Park Schematic



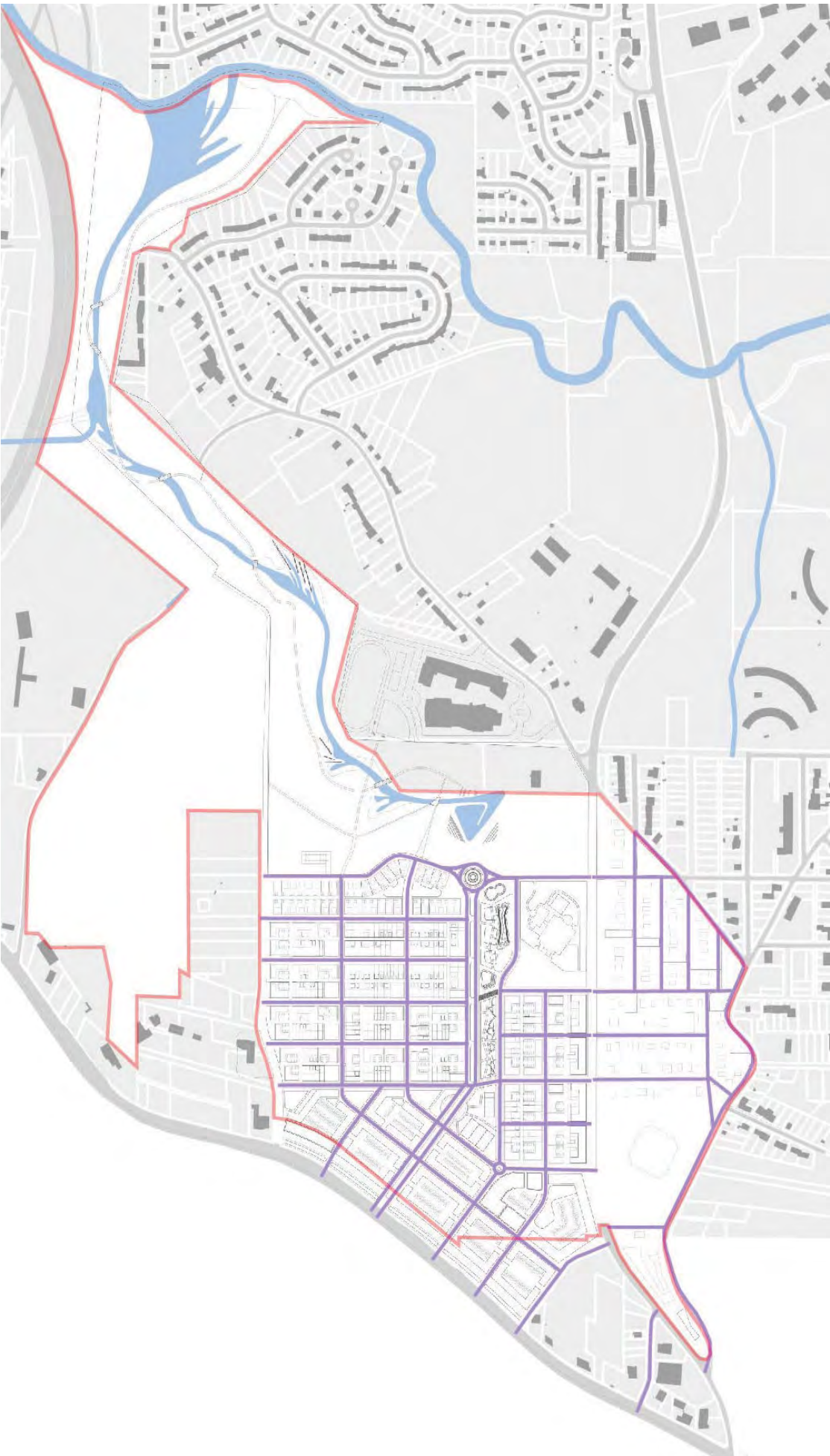
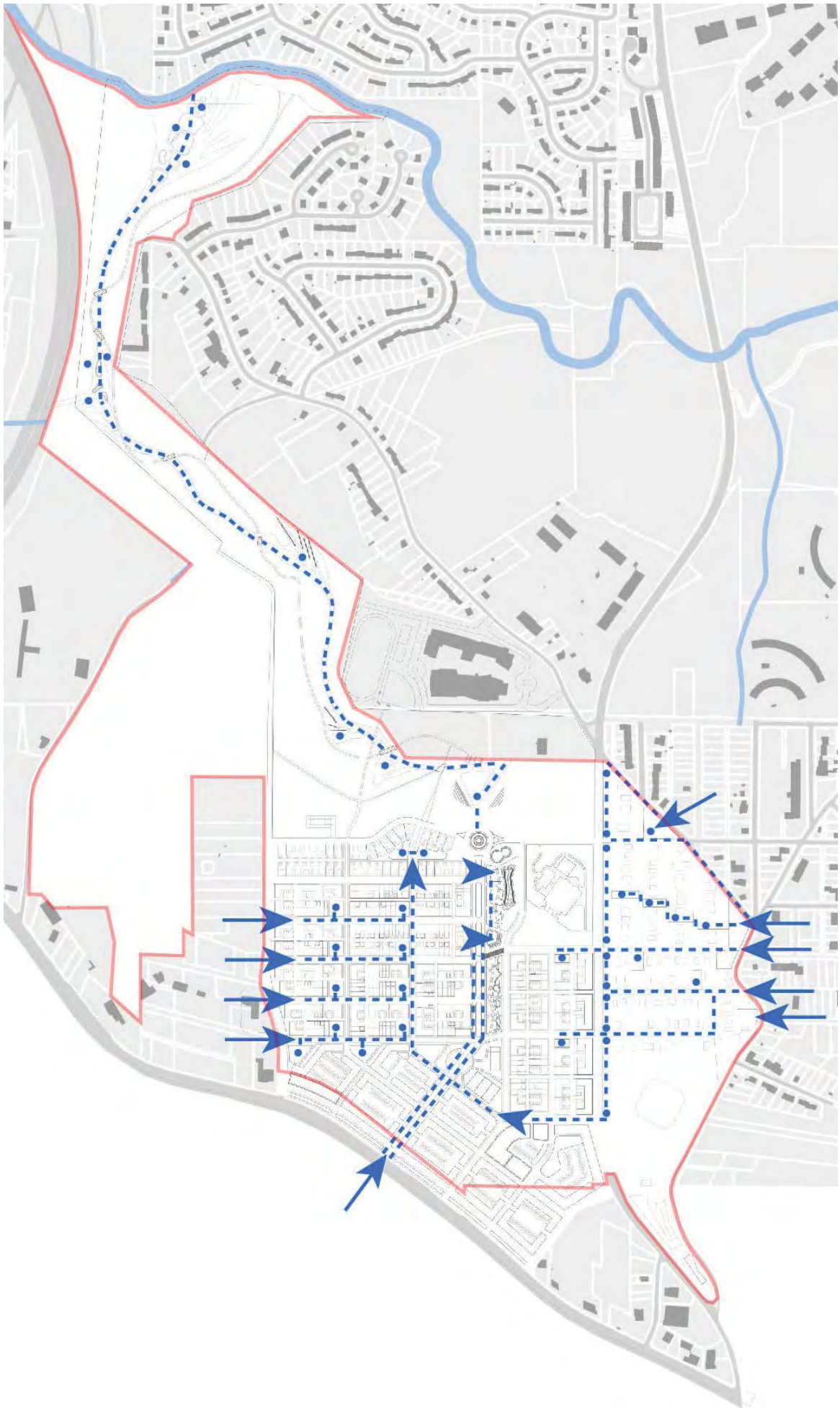


Green Infrastructure – Corner Lot (Playground, Community Garden, etc.) and Green Street



Bowen Connection Opportunities

- Study Area Boundary
- Community Connections
- Water Management



Bowen



HOLLYWOOD

Georgia Institute of Technology

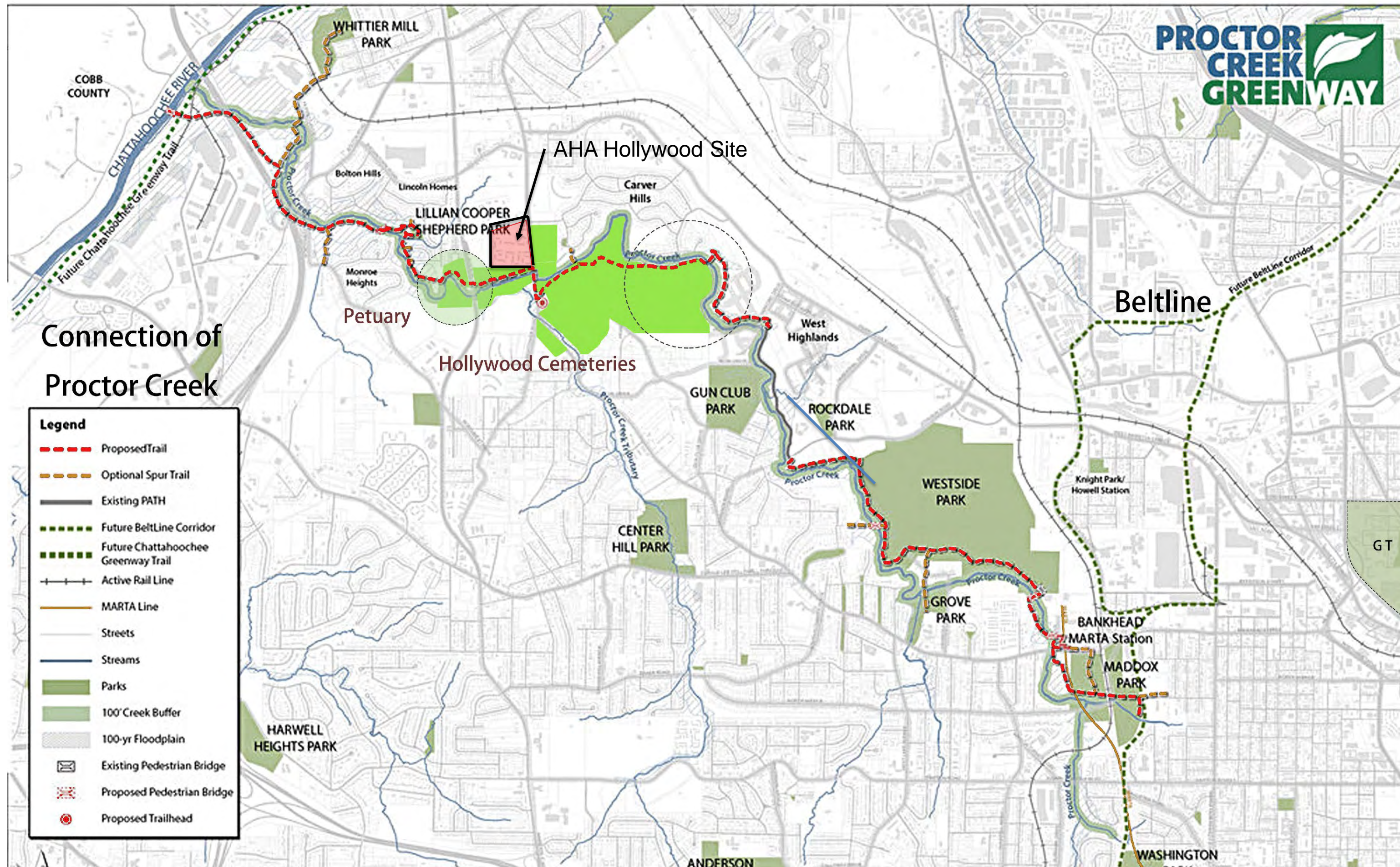
Siqi Li
Derek Ma
Ryan Duan
Jennifer Johnson

Illustrative Project A



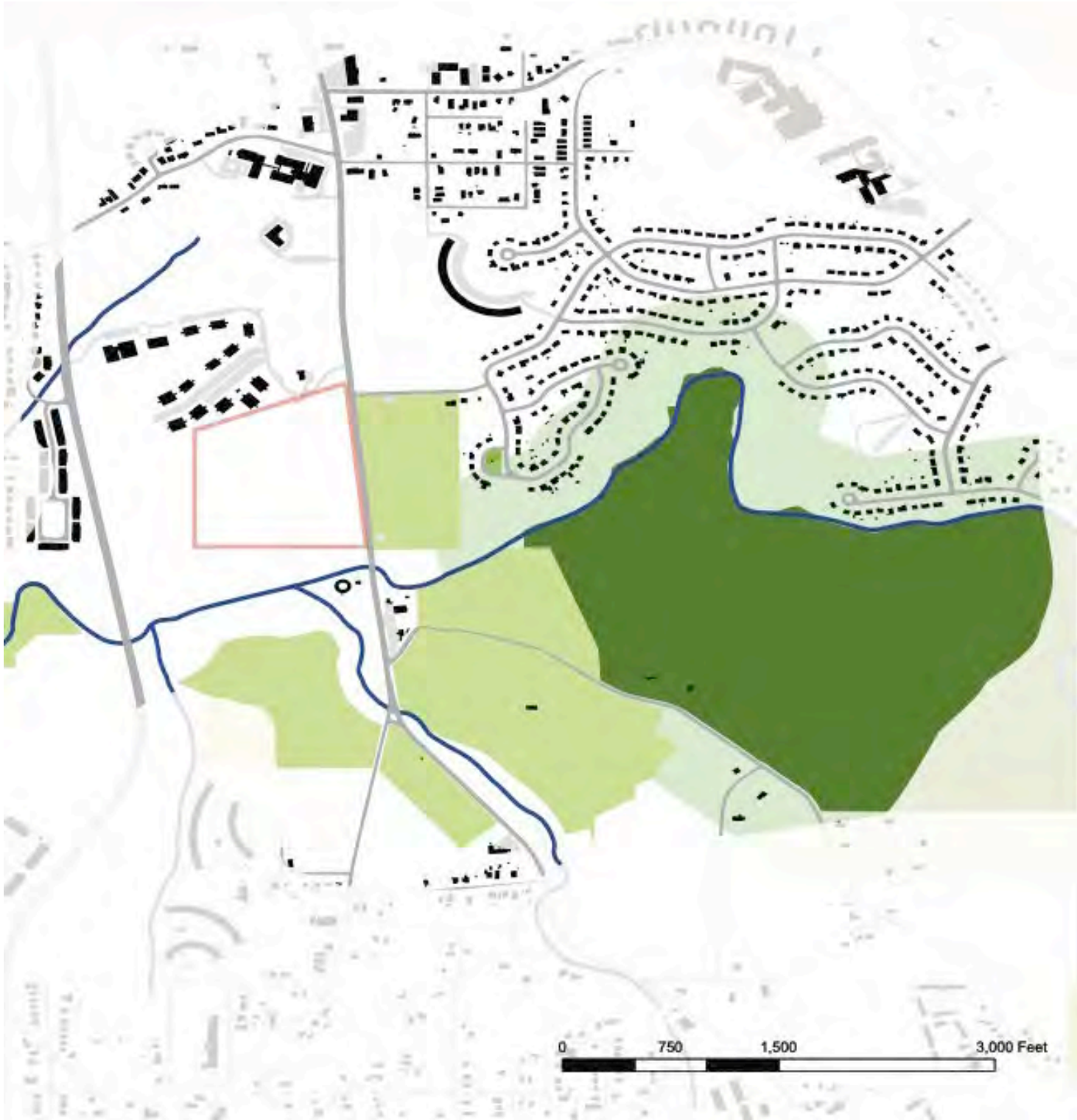
Illustrative Project B





Site Conditons

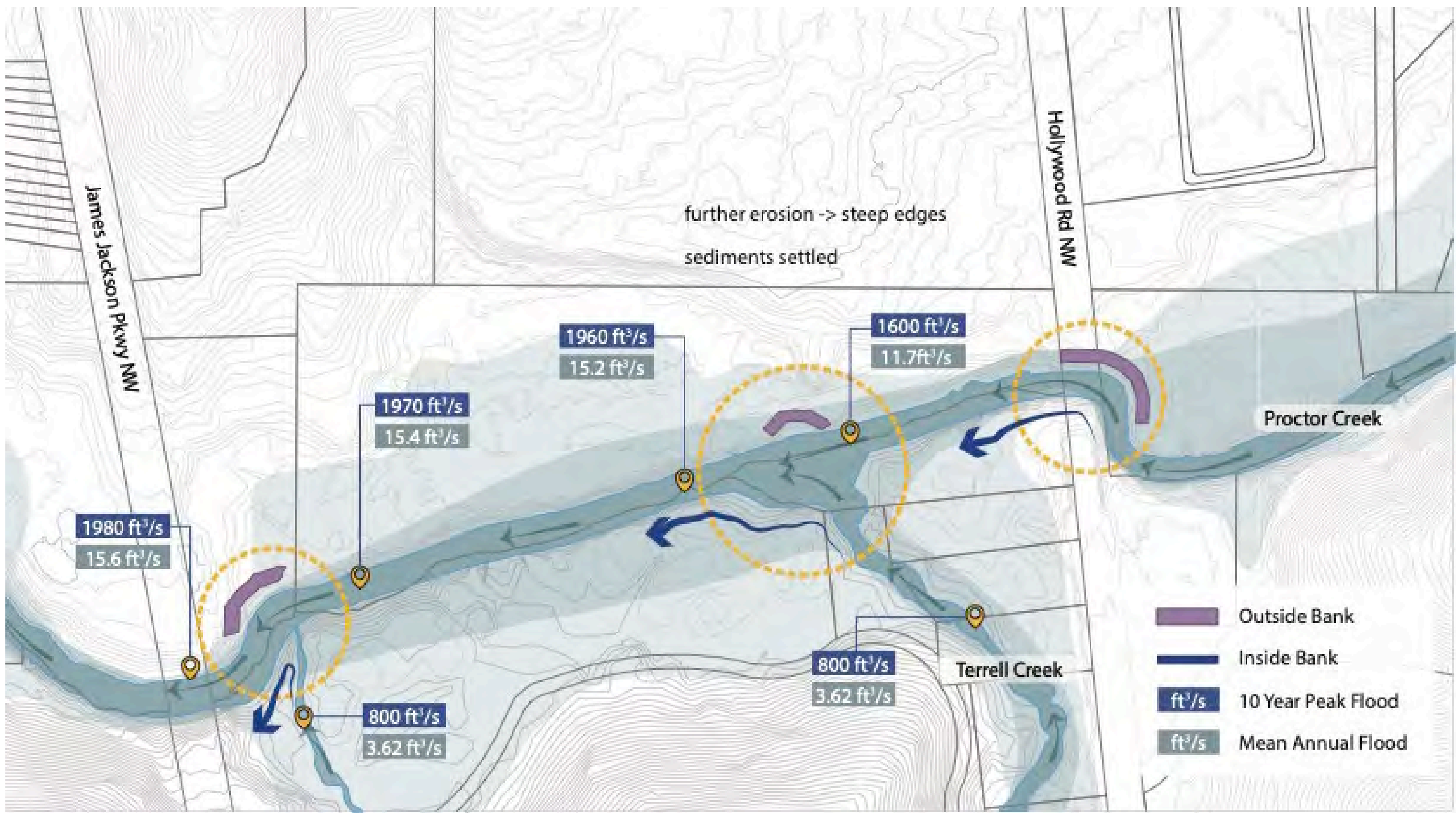
Hollywood Cemteries and Landfill



25%+ Slopes and FEMA Flood Zone



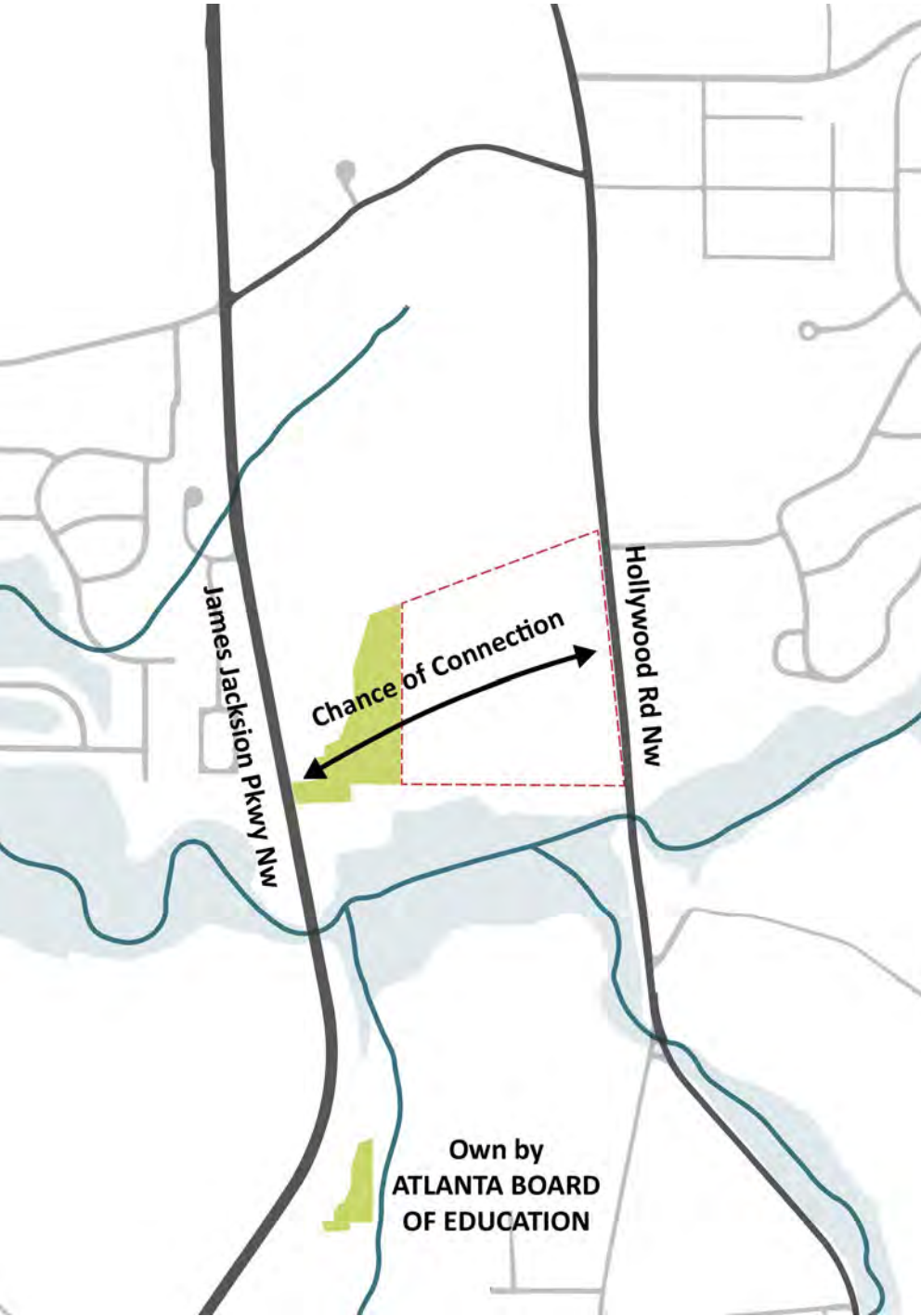
Proctor Creek Issues at Hollywood Study Area Drainage District



Schemes

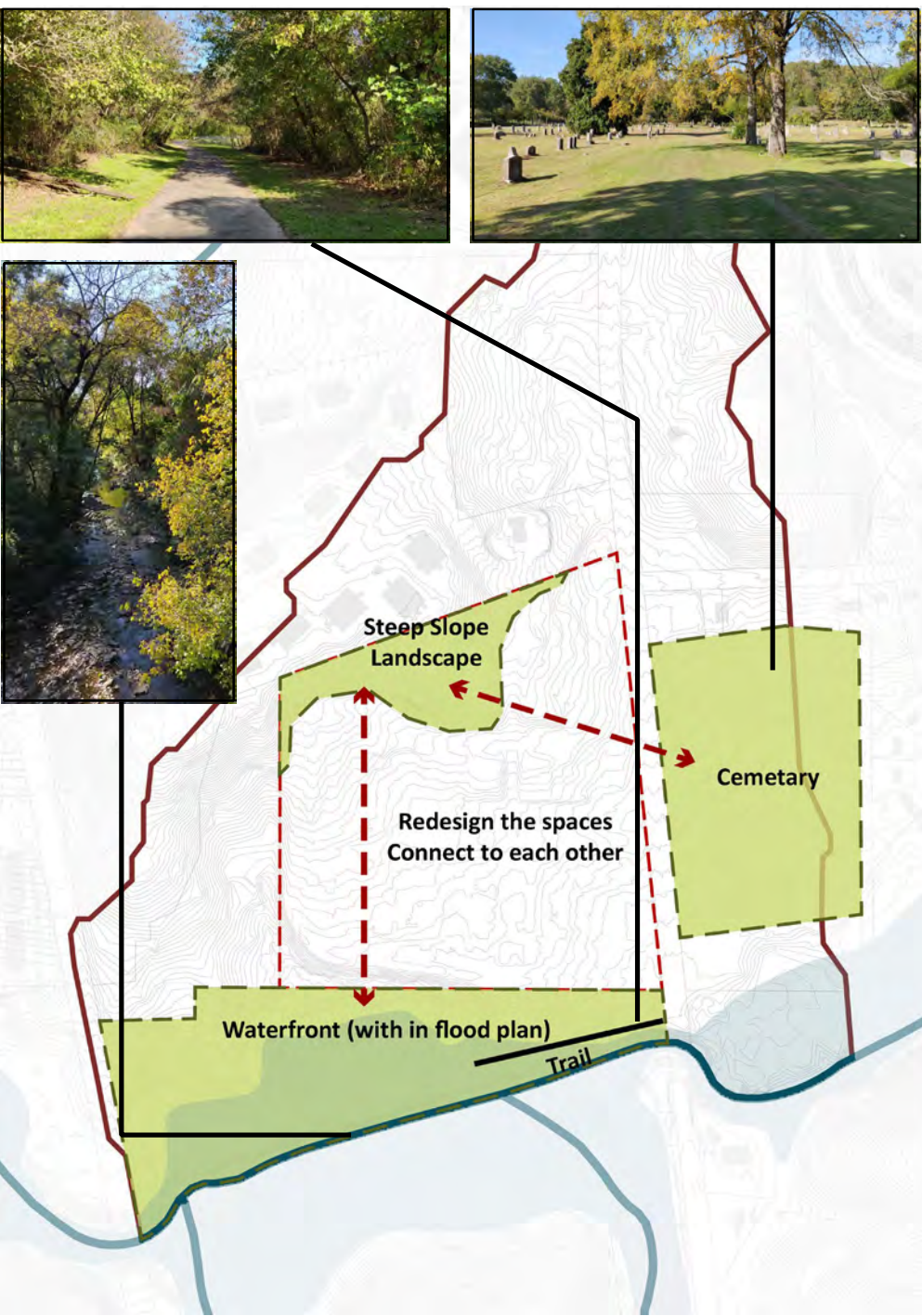
Site Analysis - Potential

Re-connection



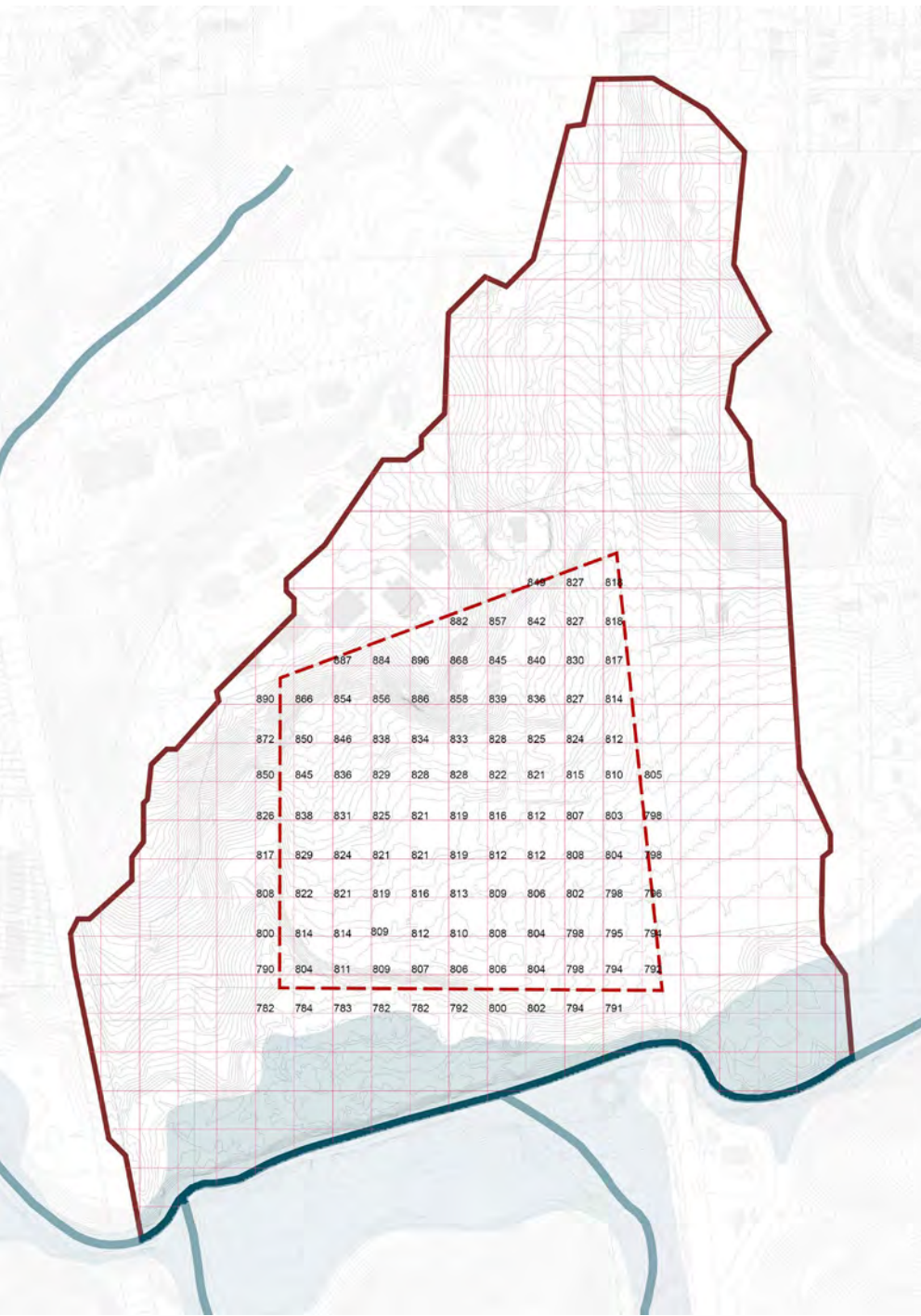
There is a parcel own by Atlanta Board of Education which can give us a chance to connect the two road.

Potential Public Spaces



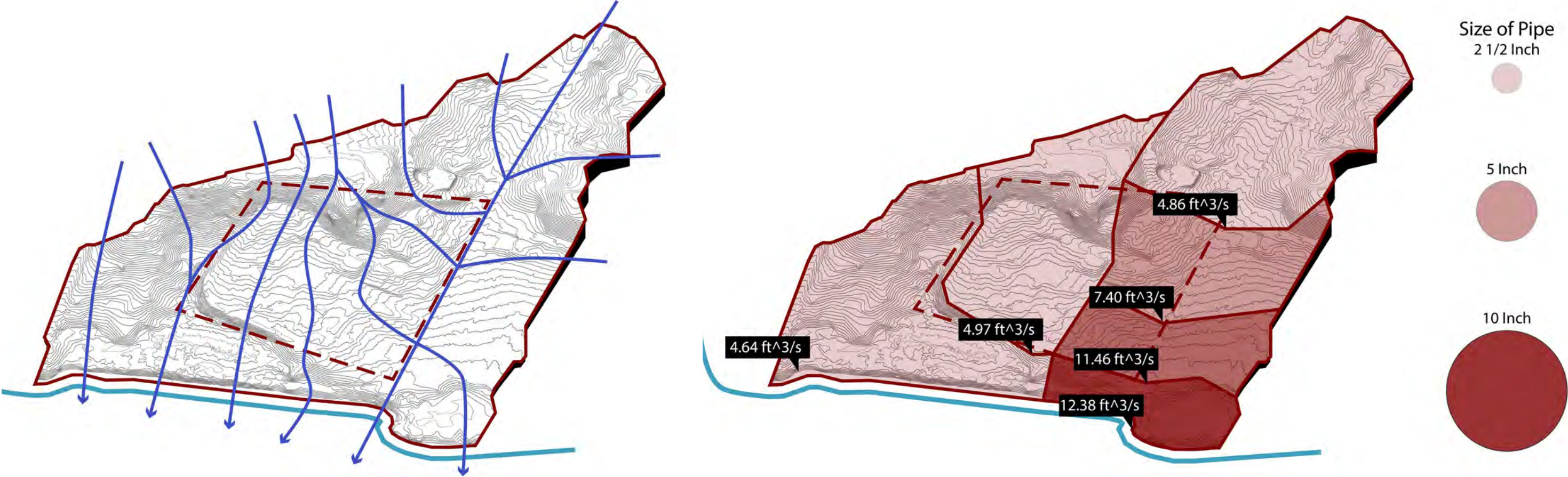
There are three different type of potential public spaces besides or inside our site. After Redesign and reconnect, they could be public spaces system.

Spot Map

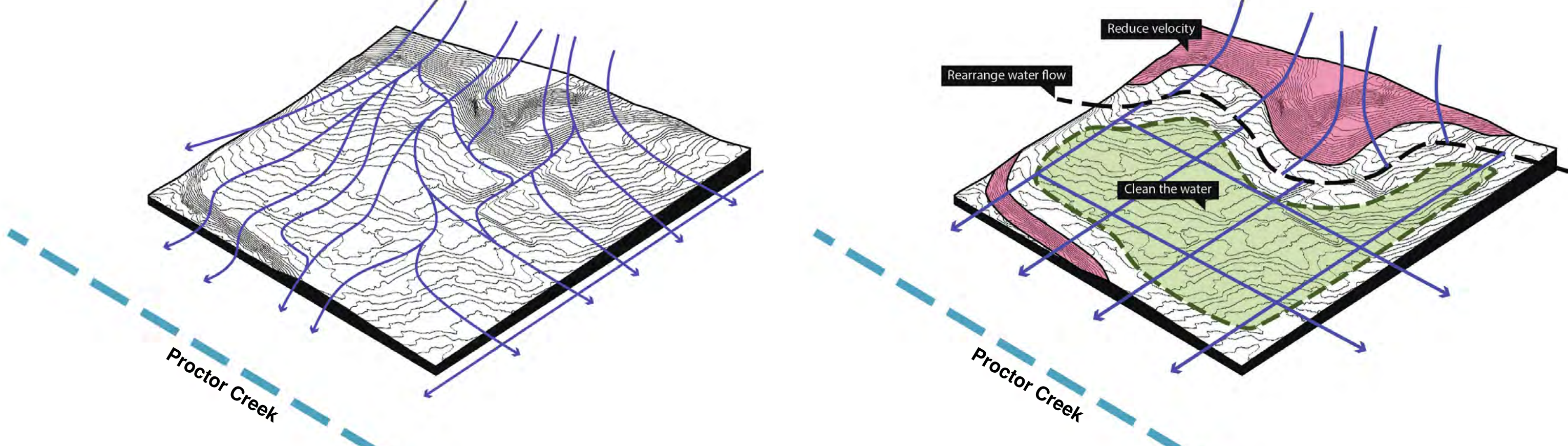


Create a spot map to make sure we do not make mistakes when doing the design

Water Flows on the AHA Hollywood Drainage District

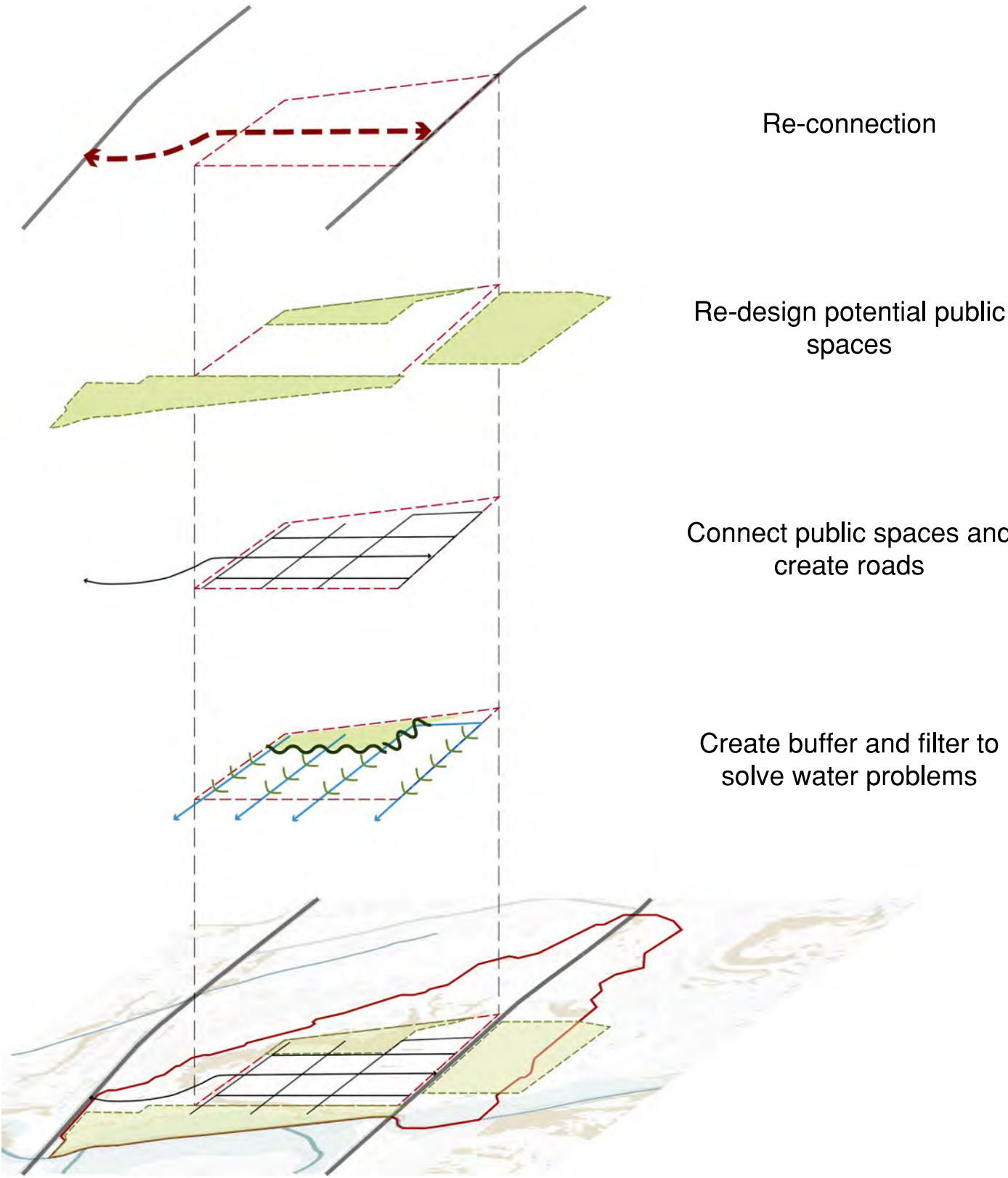
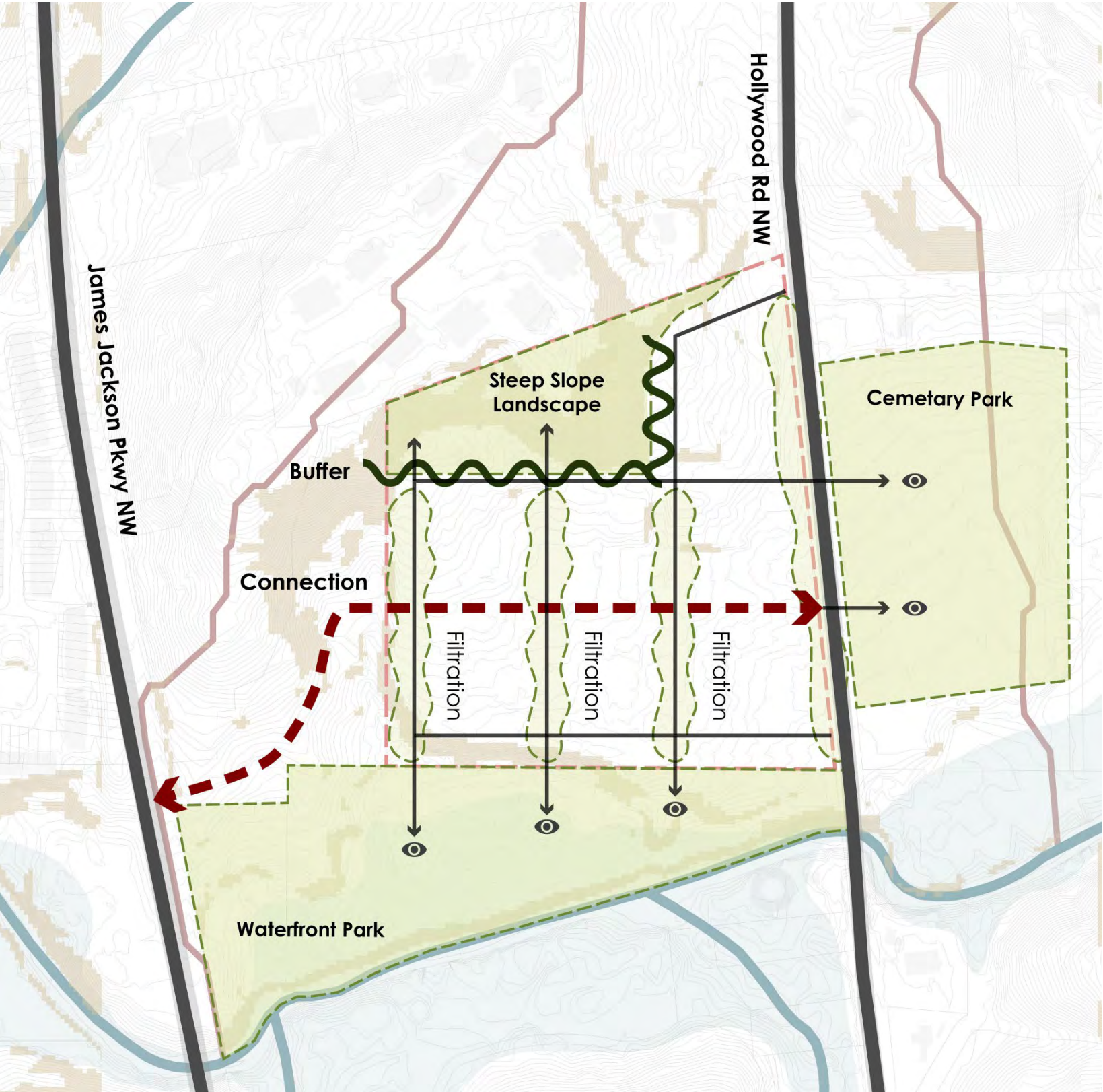


Water Flows on the AHA Hollywood Site

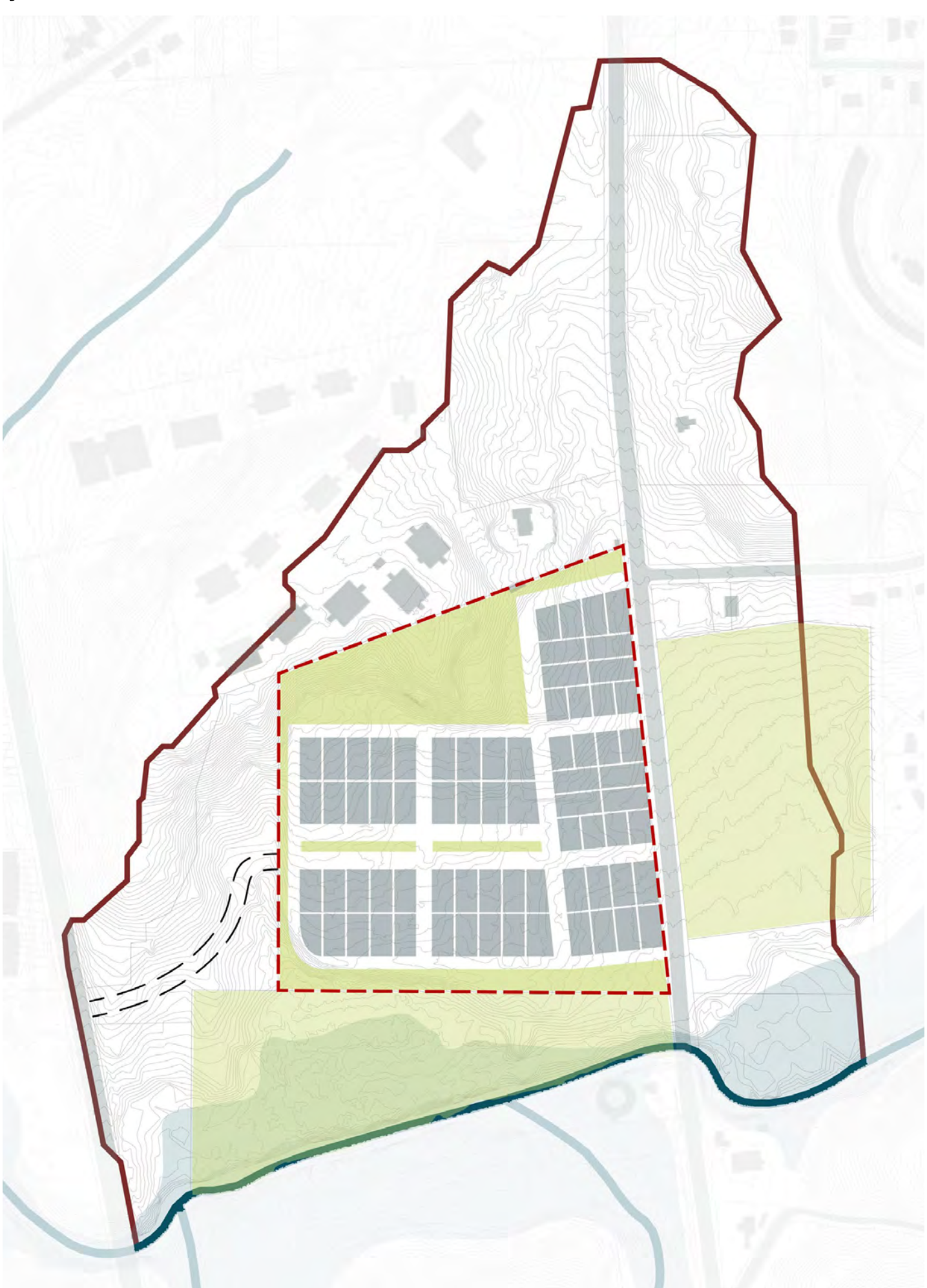
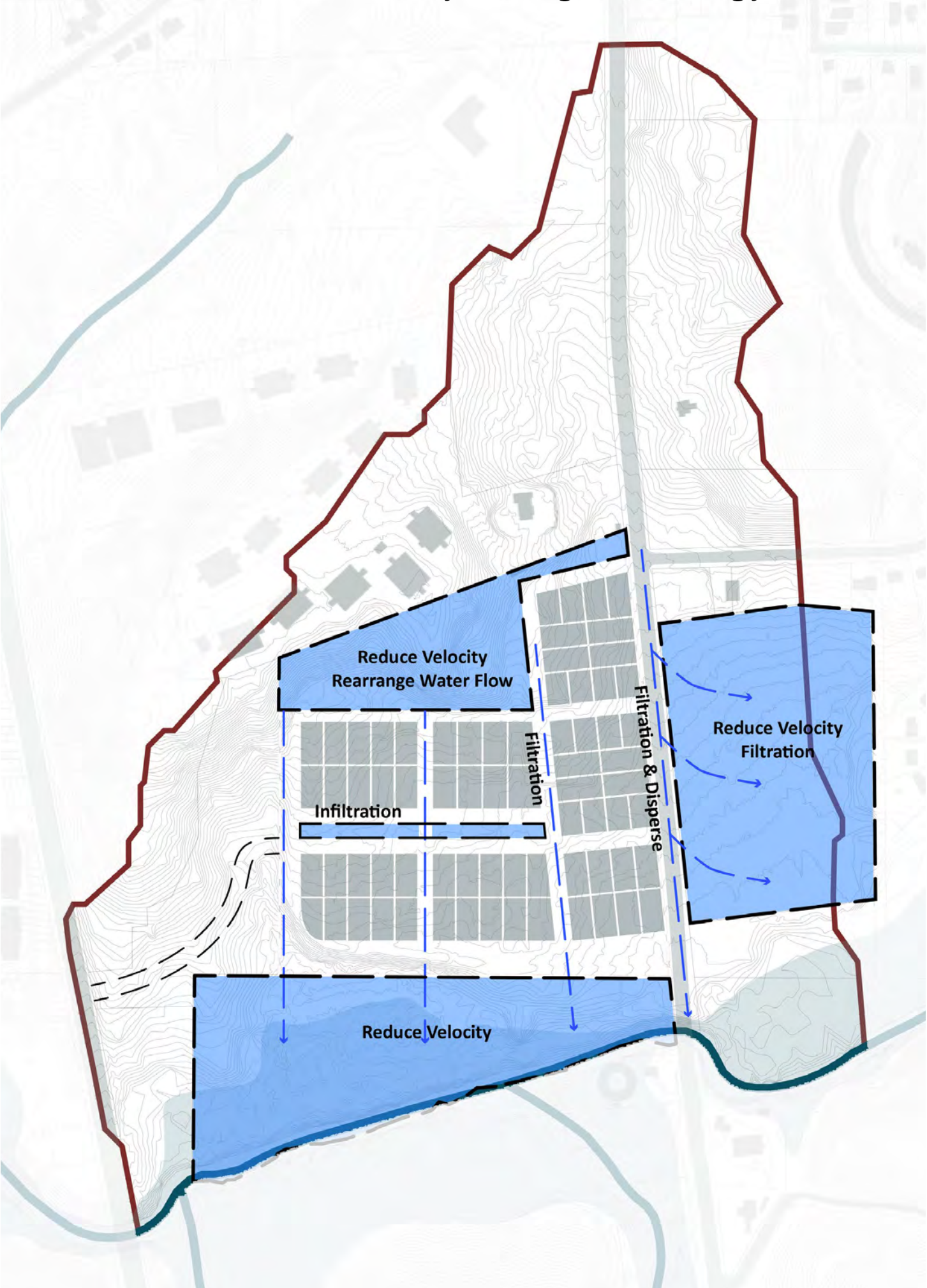


Schemes

Site Analysis - Summary



Lots, Blocks and Streets: Hydrologic Strategy and Amenity Potentials



Hollywood Rainwater Park and Proctor Creek Retrofits and Restoration



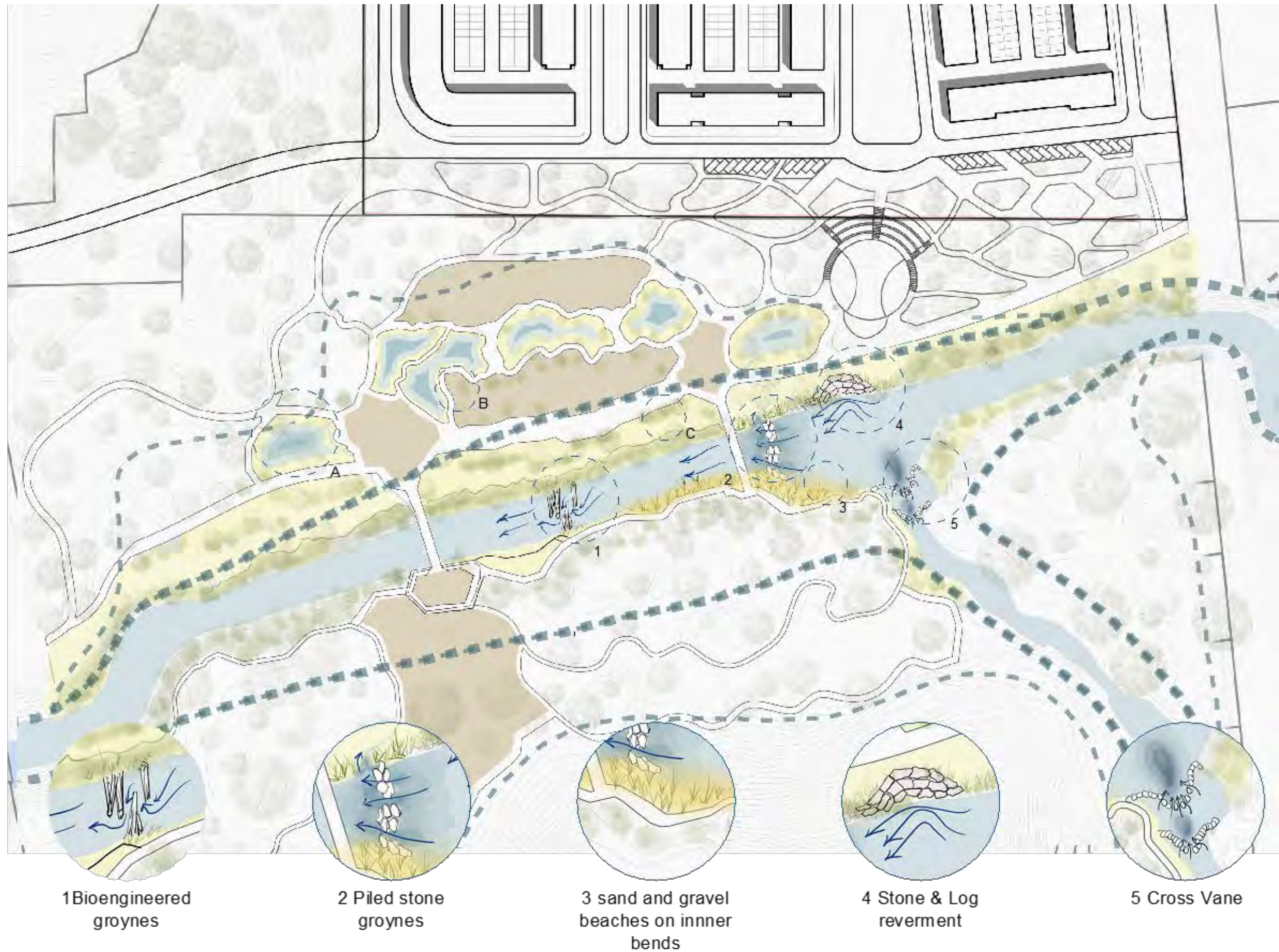
A Retention Basin



B Paths in Flood Plain



C Dike Parks



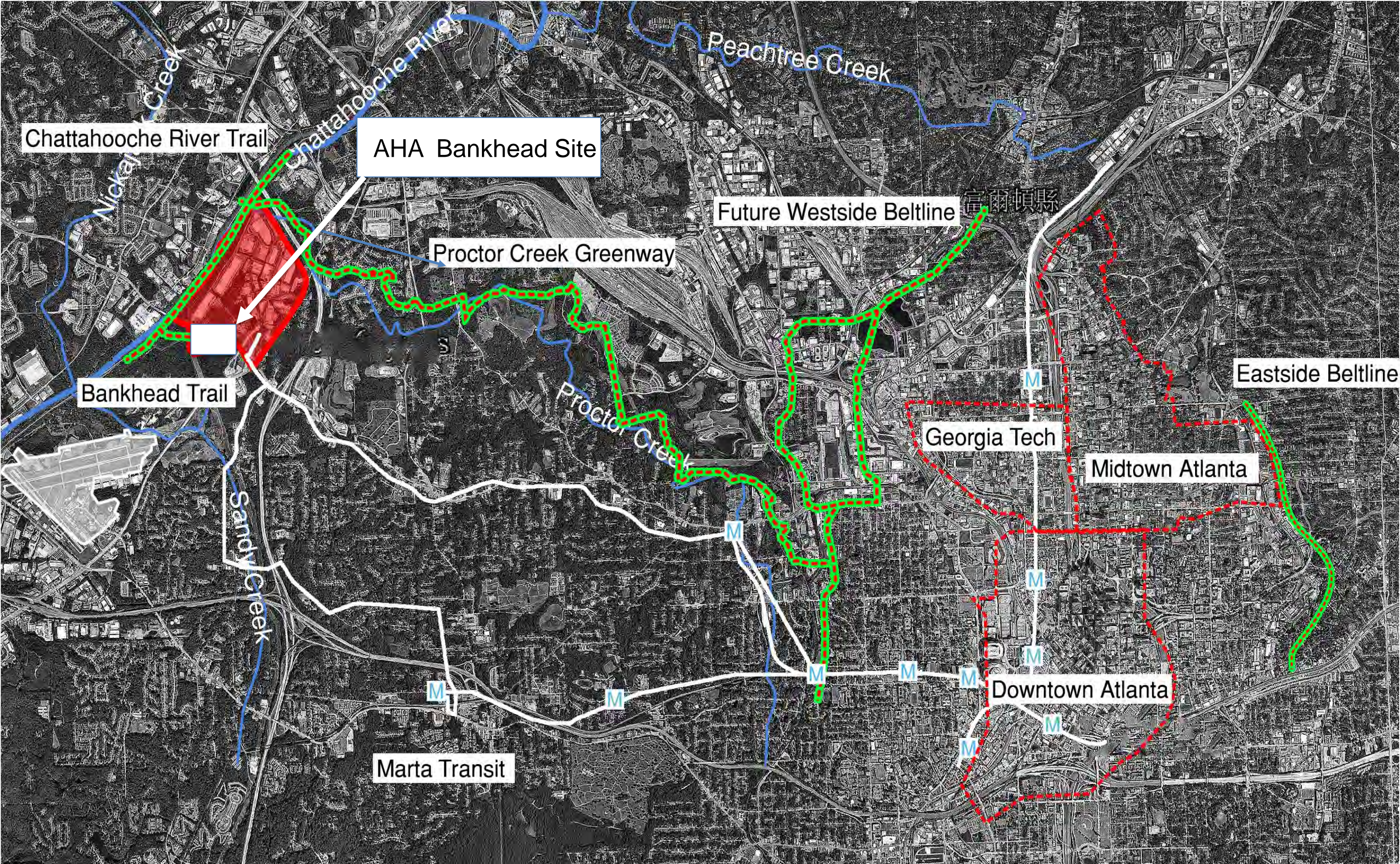
Hollywood Illustrative Plan, Rainwater Park, Cemeteries and Future Park at Landfill



Hollywood



AHA Bankhead --- Bankhead Trail, Chattahoochee Trail and Park, and Proctor Creek Greenway



AHA Bankhead Site



River Trail & Park

Atlanta Industrial Park
Redevelopment

Bankhead Development

The Primary Drainage Basin Drains Directly Into the Chattahoochee



Conceptual Schematic of Future Bankhead Trail, River Park, and Retrofitted Industrial Park



source: mill city times, May 14, 2017: The Minneapolis Park and Recreation Board (MPRB) and the Minneapolis Parks Foundation



source: lariver.org, LA river Downtown design dialogue



source: commercialappeal.com ,Nov 8 2018, commercial appeal.com
The Hyde Family Foundation



Conceptual Illustrative Plan’
AHA Bankhead Site and Trailhead, River Park, Proctor Creek Trail and Retrofit Industrial Park

