Fox River Connection

May, 2016
William Collins

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Author
William Collins

A SENIOR CAPSTONE PROPOSAL

Submitted in partial fulfillment of the requirements for the degree
Bachelor of Science in Landscape Architecture

Department of Landscape Architecture
College of Agricultural and Life Sciences

University of Wisconsin - Madison
Madison, WI

May, 2016

Approved by
Eric J. Schuchardt, MLAUD, Associate ASLA
Capstone Coordinator & Course Instructor

MY BACKGROUND

Major:
Landscape Architecture

School:
University of Wisconsin
Madison

Graduation Date:
May, 2016

Hometown:
Appleton, WI

CLIENT

CLIENT

CLIENT

City of Appleton (Parks and Rec. Department)

VISION STATEMENT

Provide connection from Downtown Appleton to the new development along the Fox River

GOALS

CLIENT GOALS

GOALS

- Promote **public health**
- Provide trail **connection** in the area
- Tie into the site's **historical past**
- **Increase access** to **river** (physically and visually)
- Provide a space that provides **seasonal interest**
- Create a multi-use area for concerts, civic uses, etc.

TYPE OF PROJECT

TYPE OF PROJECT

DOWNTOWN - RIVER CONNECTION

- Provide connection from Downtown Appleton to Fox River

PROFESSIONAL FOCUS

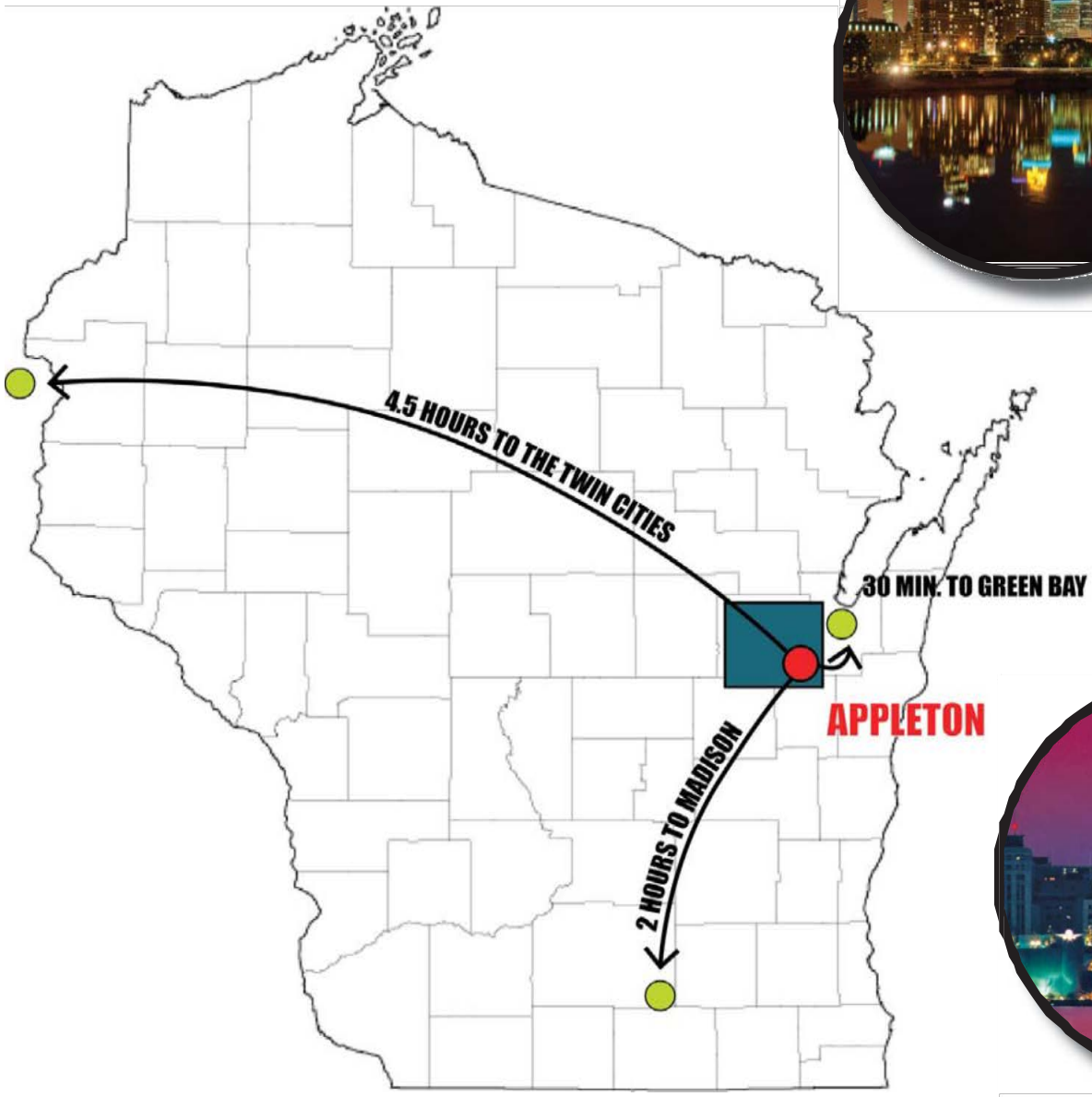
- Stormwater Management
- Riverfront Restoration

RESEARCH TOPIC

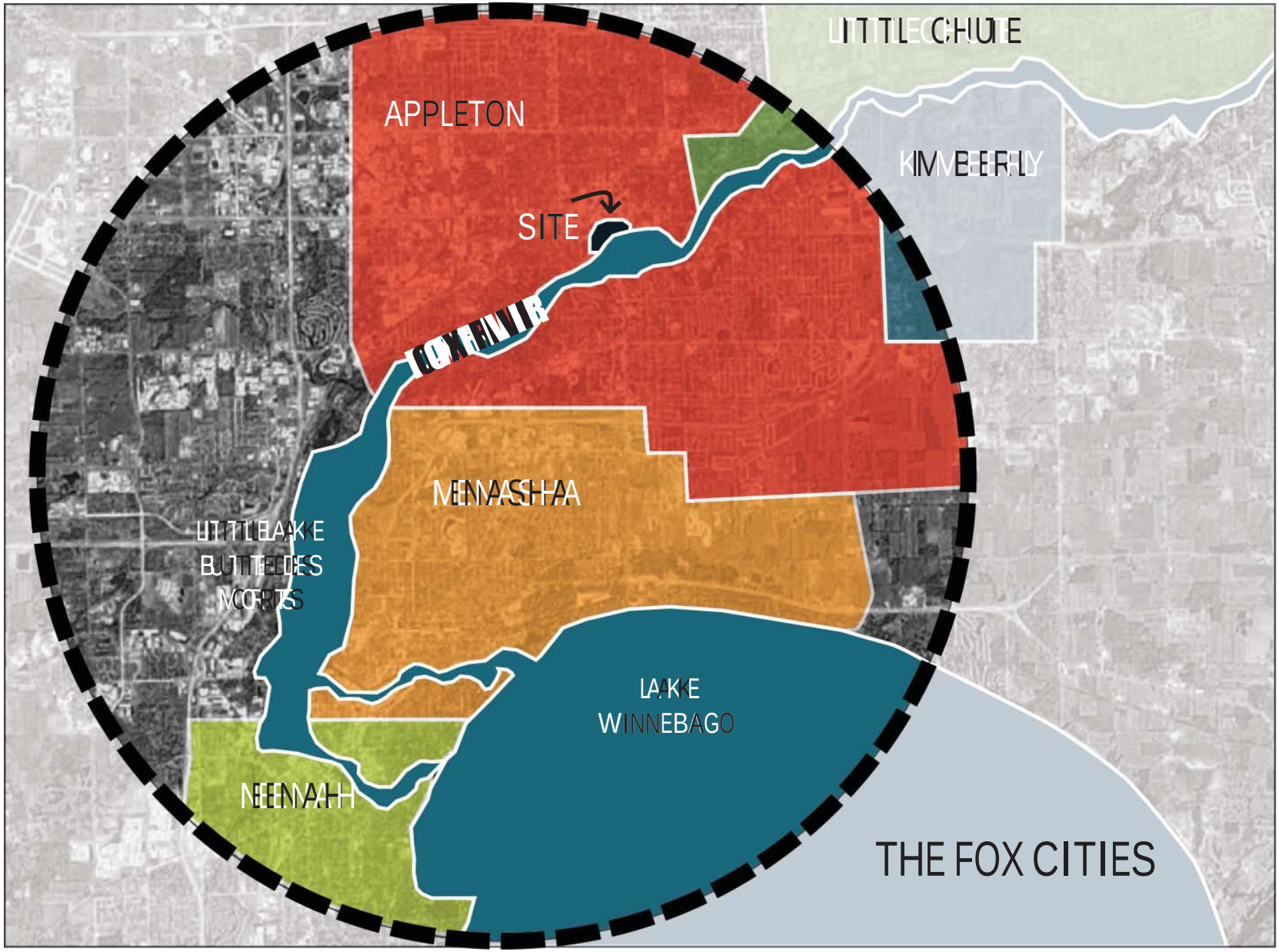
- Public Health

CONTEXT

REGIONAL LOCATION



CONNECTION TO FOX CITIES



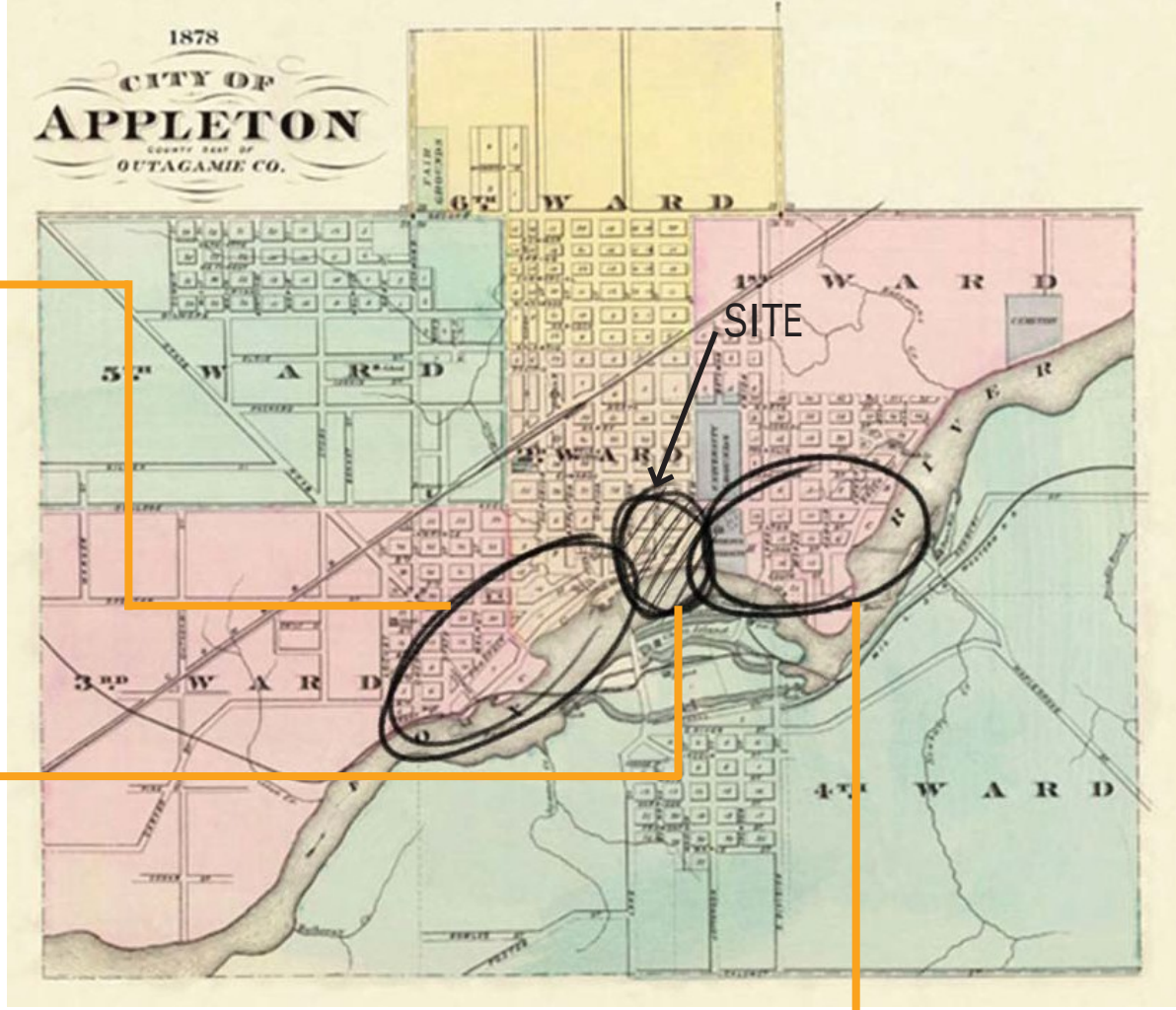
HISTORY

HISTORY

- ATLAS PAPER
- Hearthstone house
- Hydro-electric plant

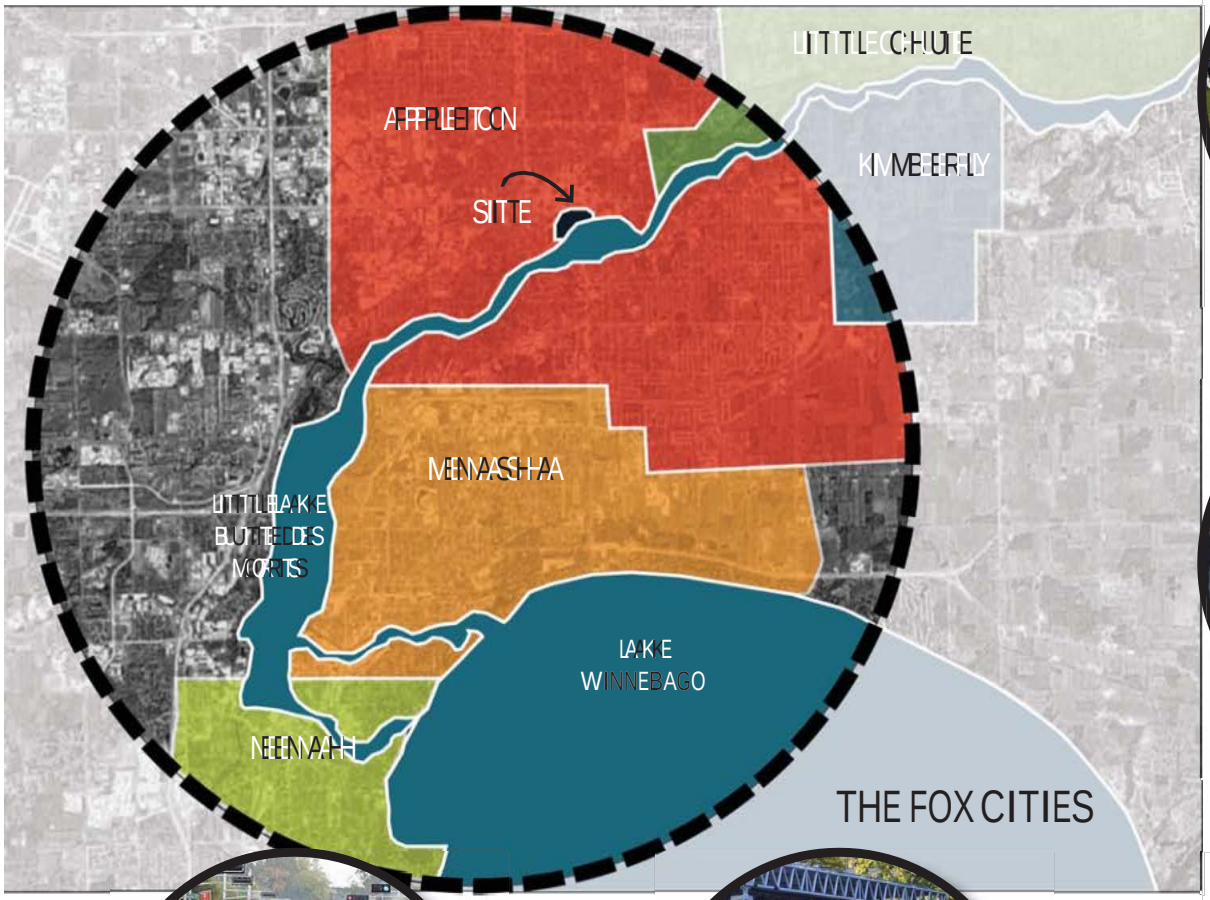
- TROLLEY
- Houdini Plaza
- Site location

- LAWRENCE UNIVERSITY
- Houdini Museum



ANALYSIS

REGIONAL ZOOM



Concerts

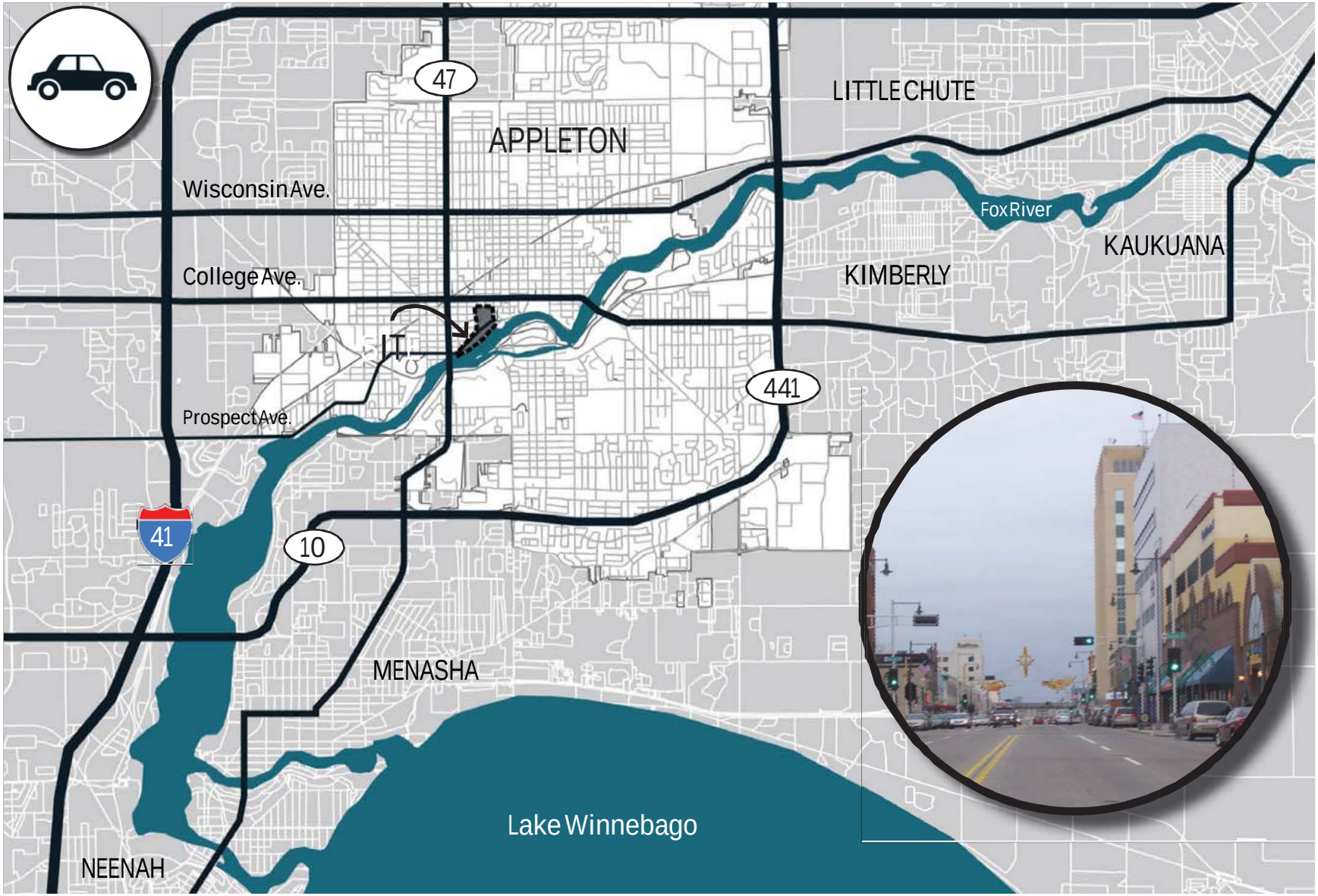
Winter Activities

Octoberfest

Mile of Music

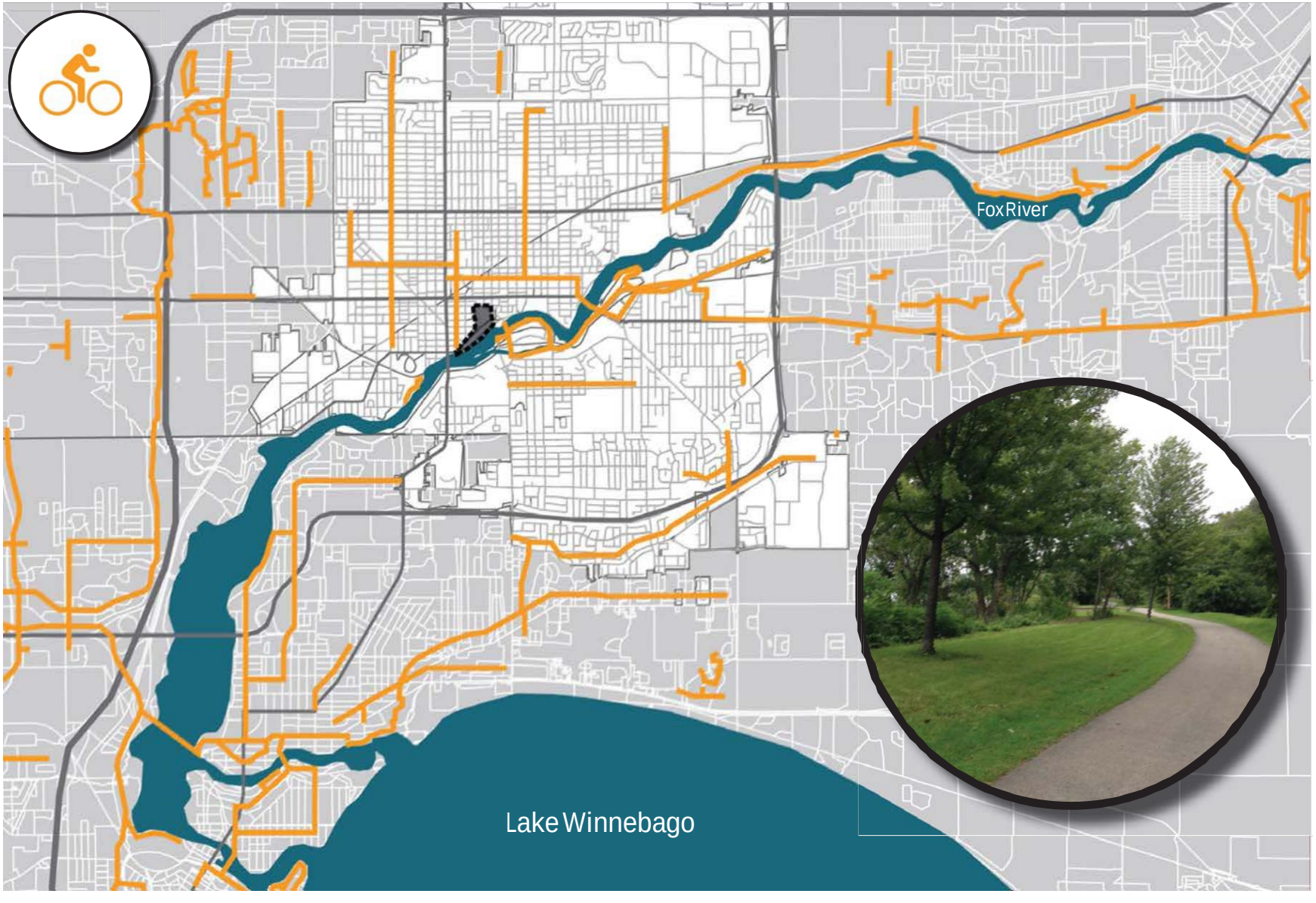
Farmers Market

MAJOR ROADWAYS



PUBLIC TRANSIT

BIKE INFRASTRUCTURE



EDUCATIONAL OPPORTUNITIES

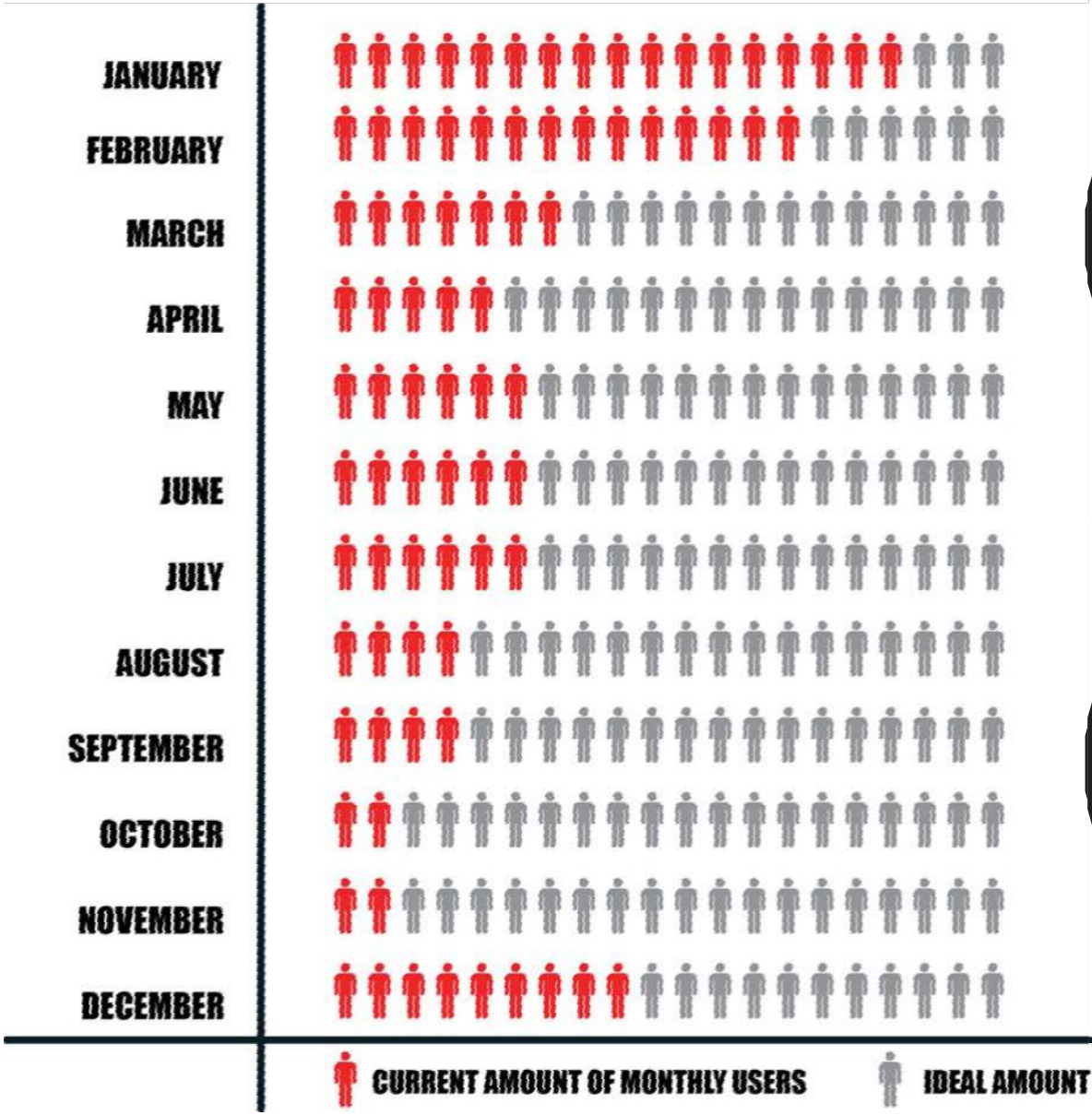
BIKE ROUTES

Legend
Appleton City Limits
Bike Trails
Existing trails
Open space
River
College Ave.
Prospect Ave.
SITE
Fox River
0 0.125 0.25 0.5
Miles

SUGGESTED BIKE ROUTES

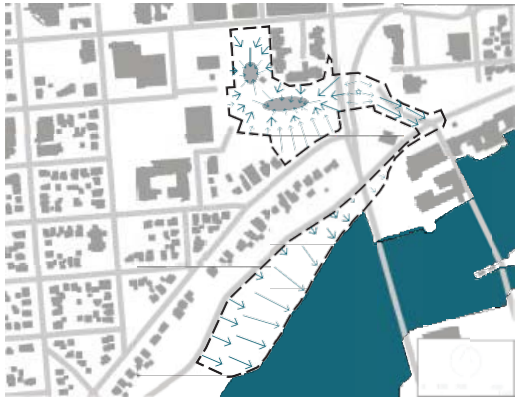
SITE

MONTHLY USERS



SITE ANALYSIS

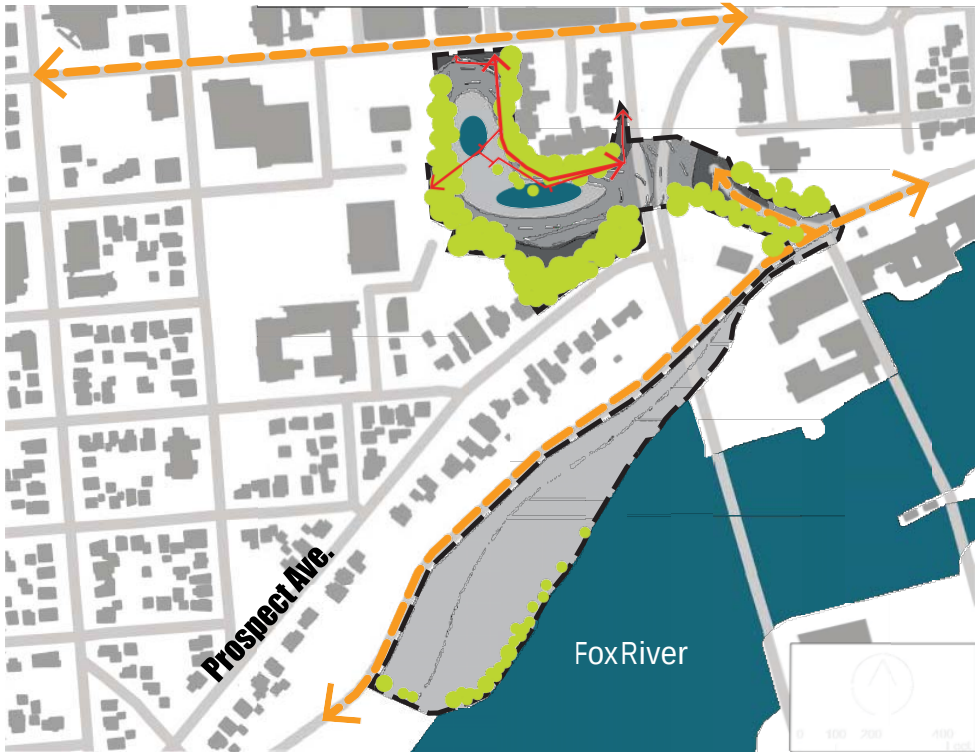
Water Movement



Topography

Vegetation

Overlay Map



Circution

LEGEND

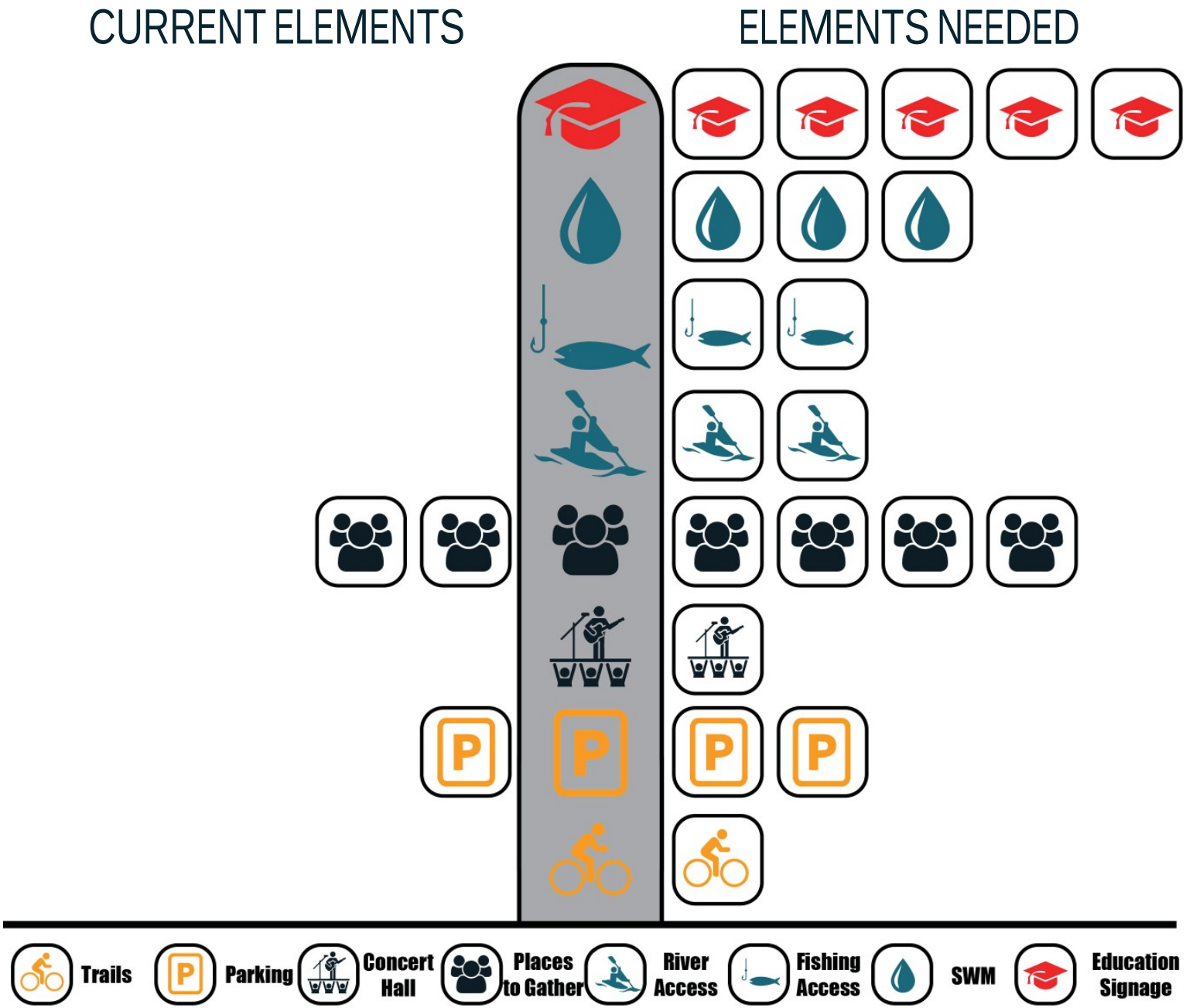
- Vehicular Circulation
- Pedestrian Circulation
- Water Movement
- Water Collection
- Vegetation
- Slope: Light to Severe

MAJOR CONCERNS

CONCERNS

PROGRAM ELEMENTS

PROGRAM ELEMENTS



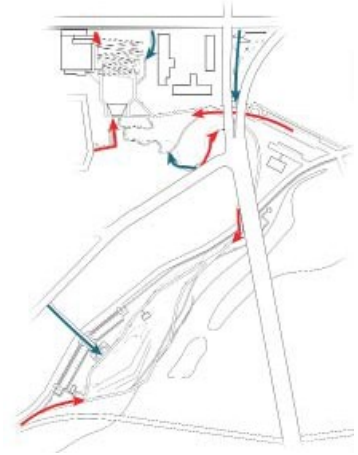
MASTER PLAN

EXISTING CONDITIONS

MASTER PLAN

MASTER PLAN

Entrance Map



Not ADA Accessible

ADA Accessible

Green Space Map

Open Space

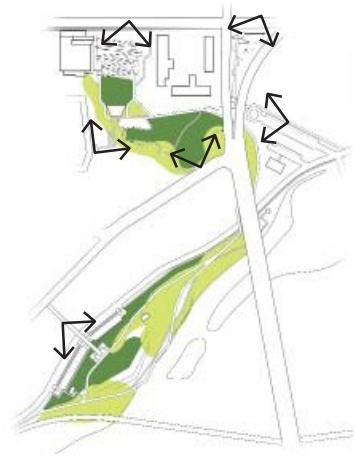
Prairie

Circulation Map

Primary Circulation

Secondary Circulation

Views



Open Space

Improved/ additional viewsheds

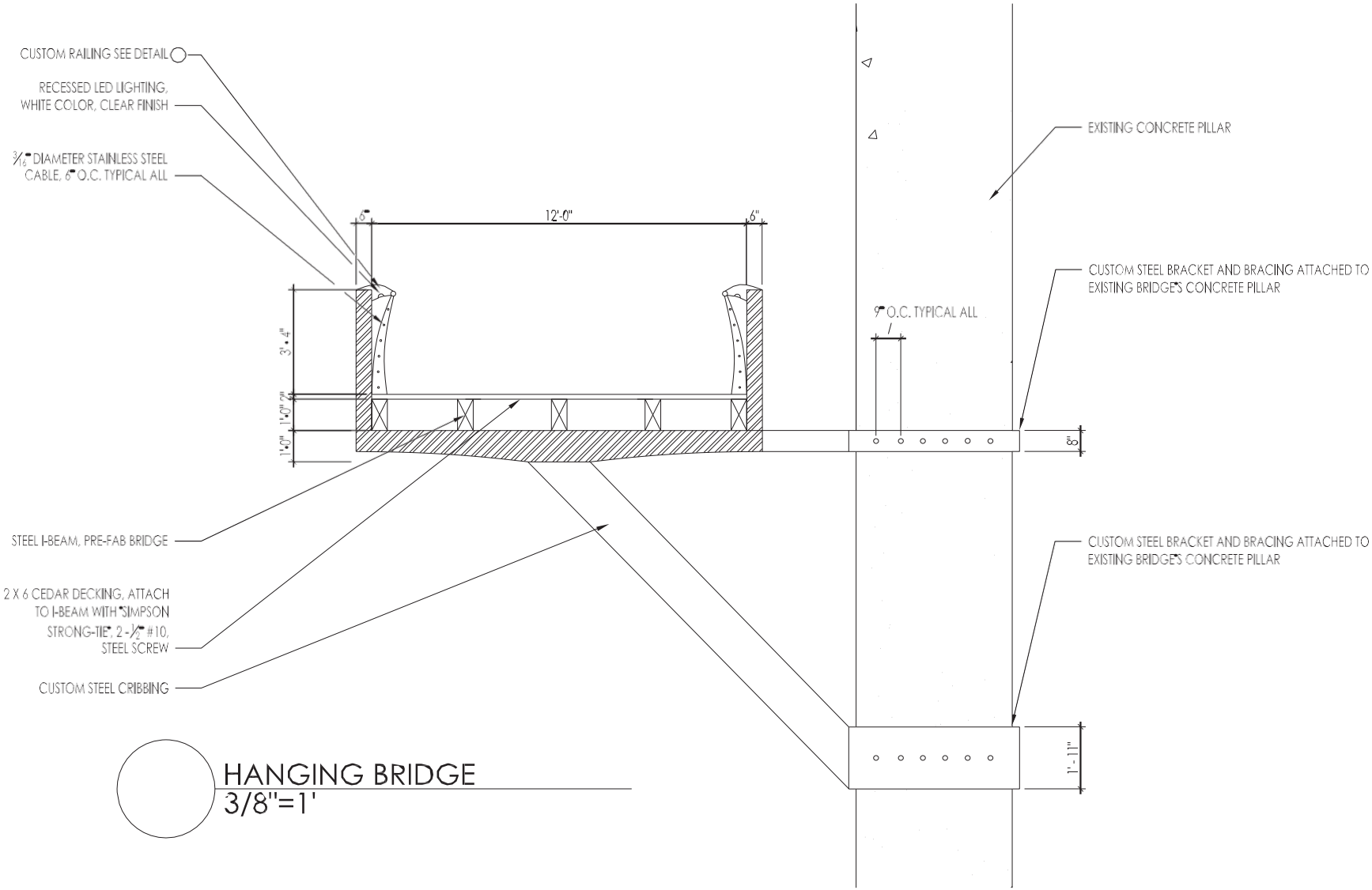
Prairie

MASTER PLAN ZONES

PEDESTRIAN BRIDGE

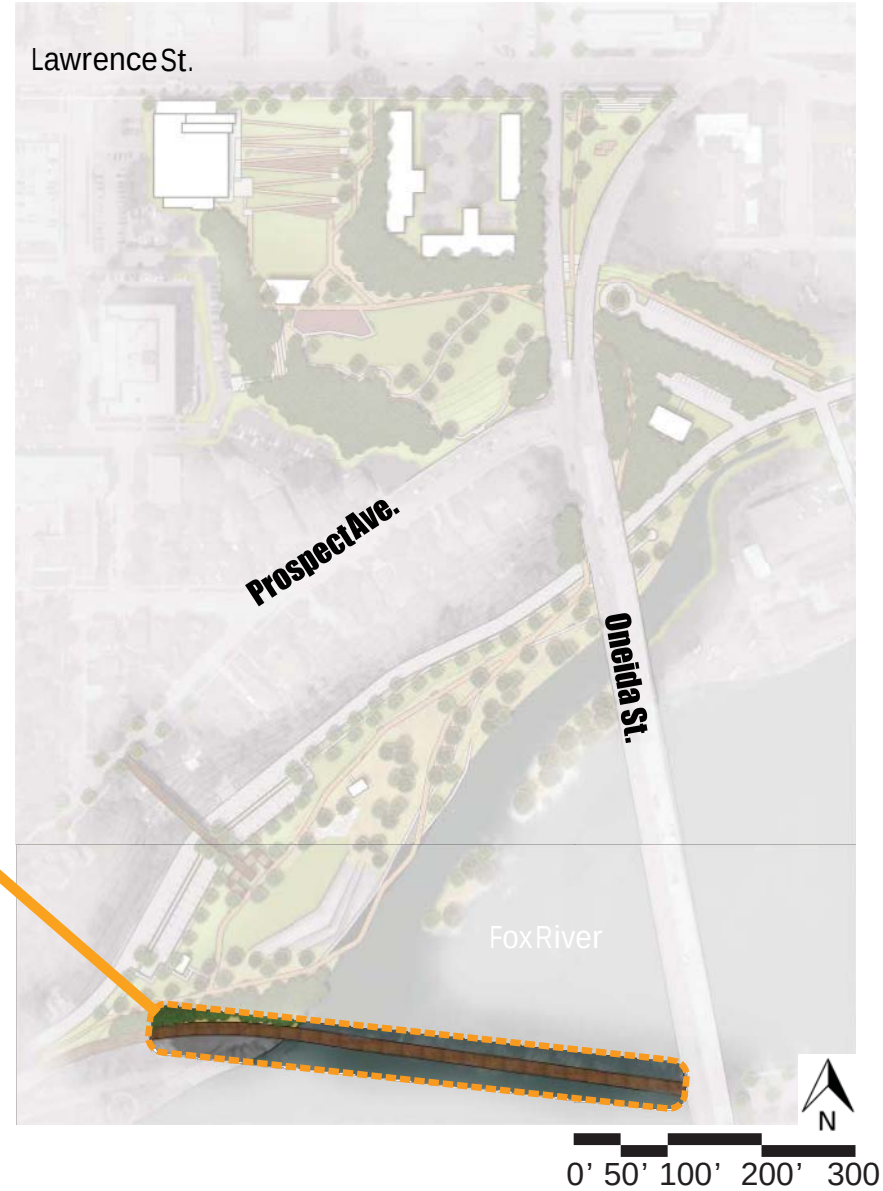
Date 5/4/2016

HANGING PEDESTRIAN BRIDGE



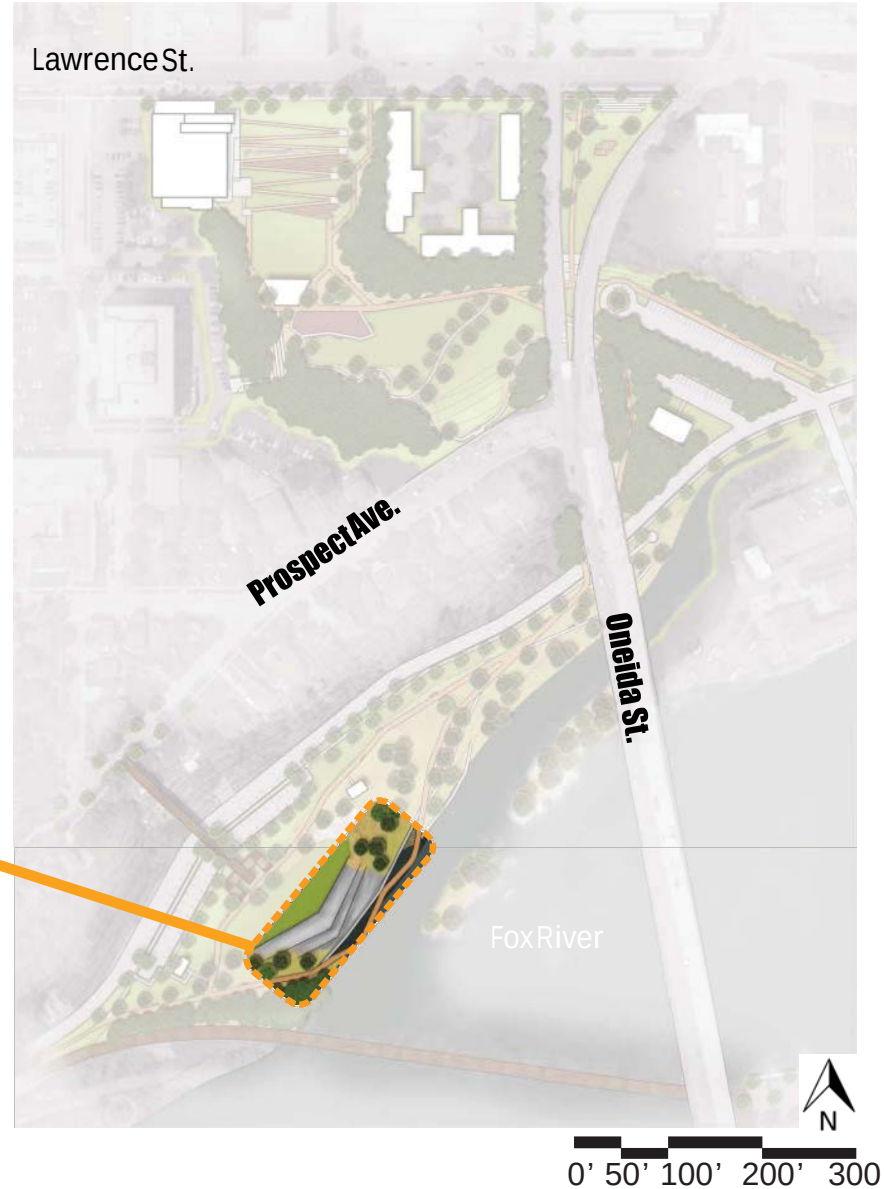
MASTER PLAN ZONES

RAILS TO TRAILS



MASTER PLAN ZONES

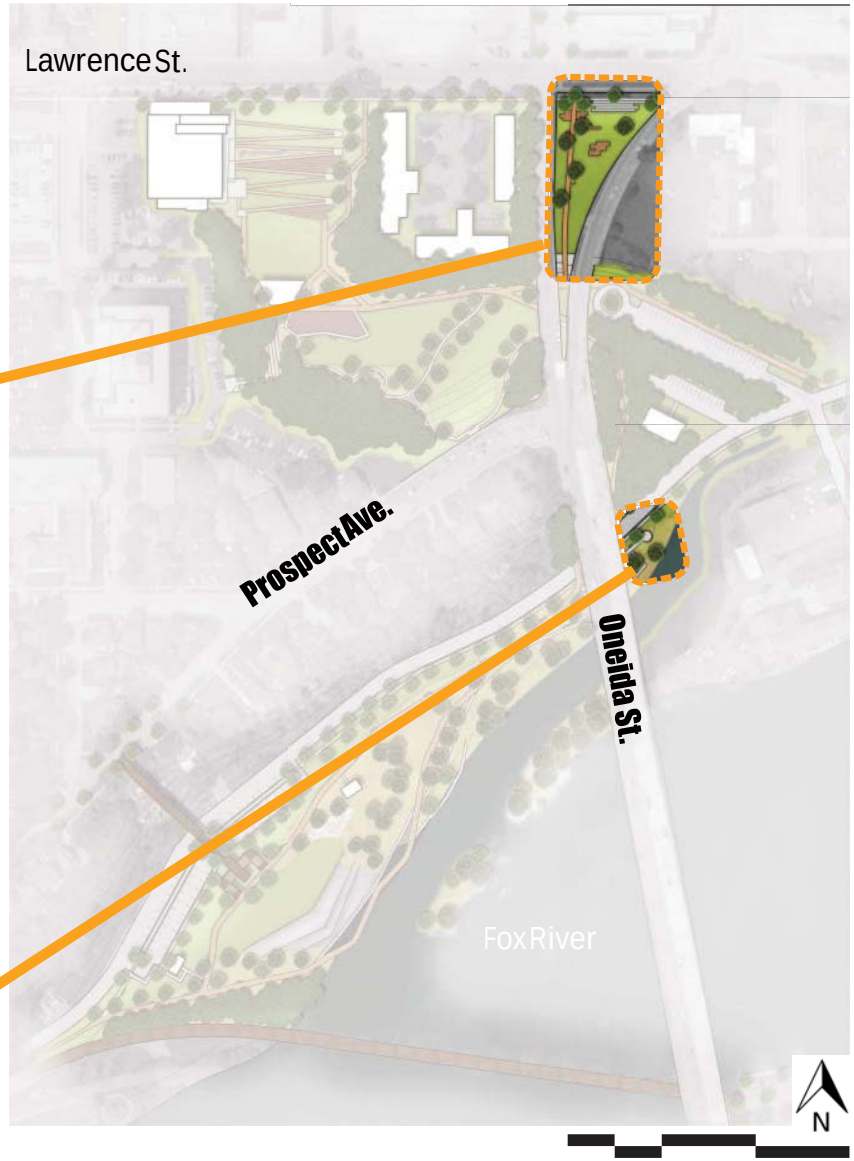
LOWER TERRACES



Date 5/4/2016

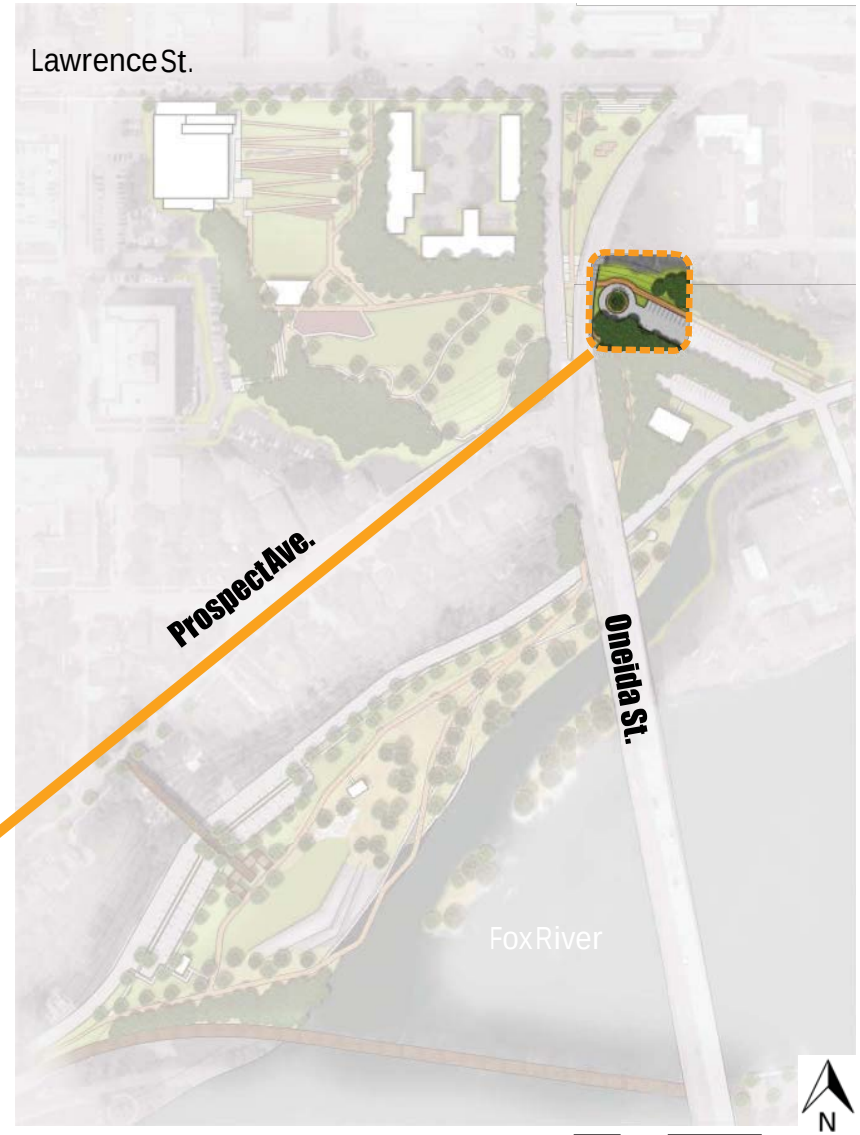
MASTER PLAN ZONES

POCKET PARKS



MASTER PLAN ZONES

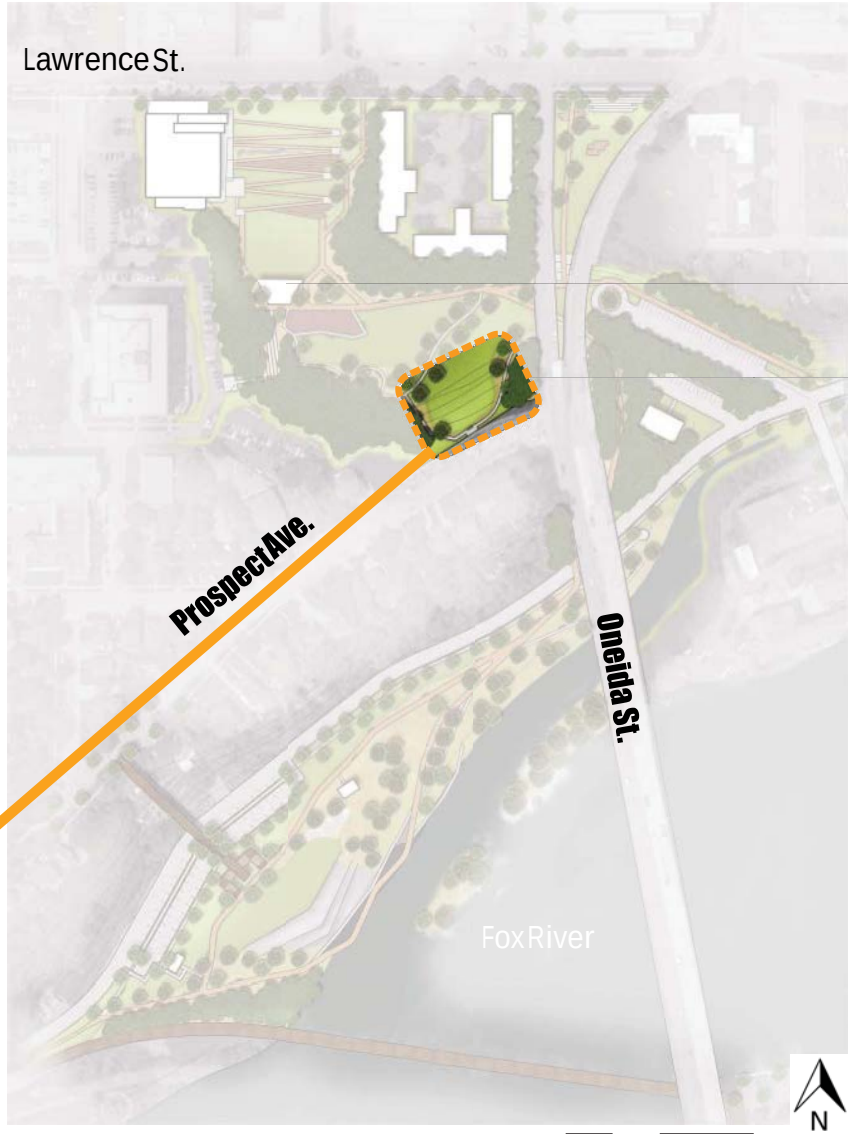
FOCAL TREE



Date 5/4/2016

MASTER PLAN ZONES

NEW ENTRY



0' 50' 100' 200' 300'

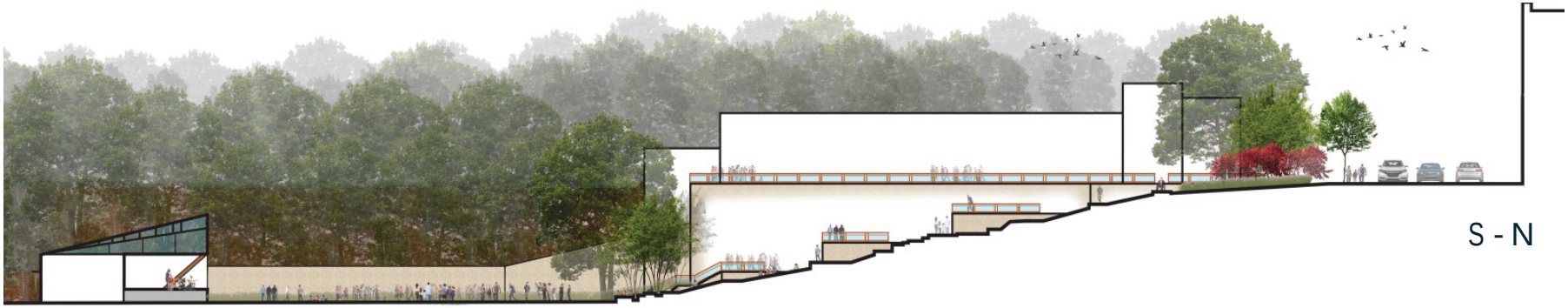
Date 5/4/2016

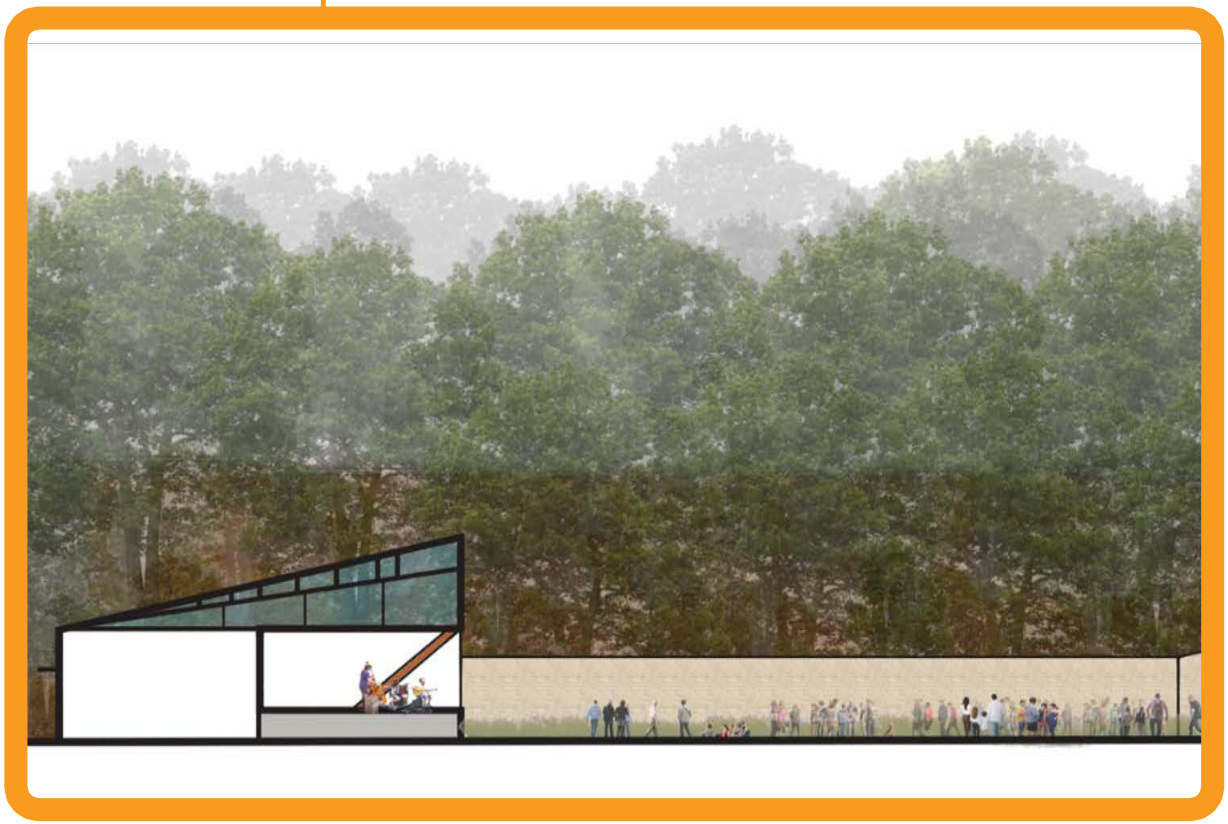
SITE DESIGN

SITE PLAN ZOOM IN

BIRDS EYE

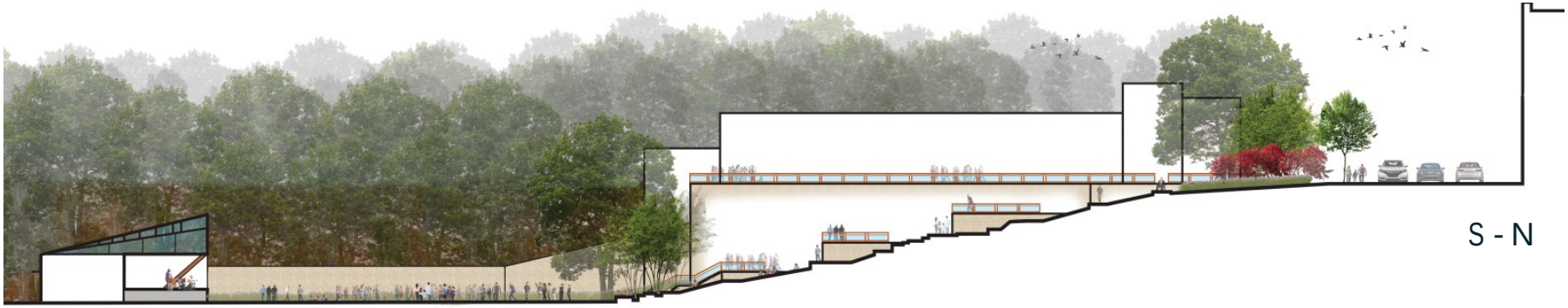
SITE SECTION





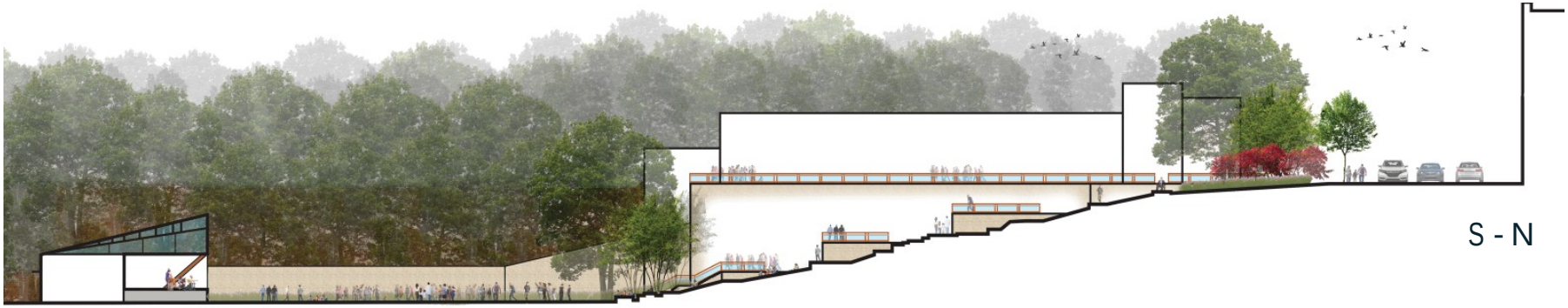
THEATRE

SITE SECTION

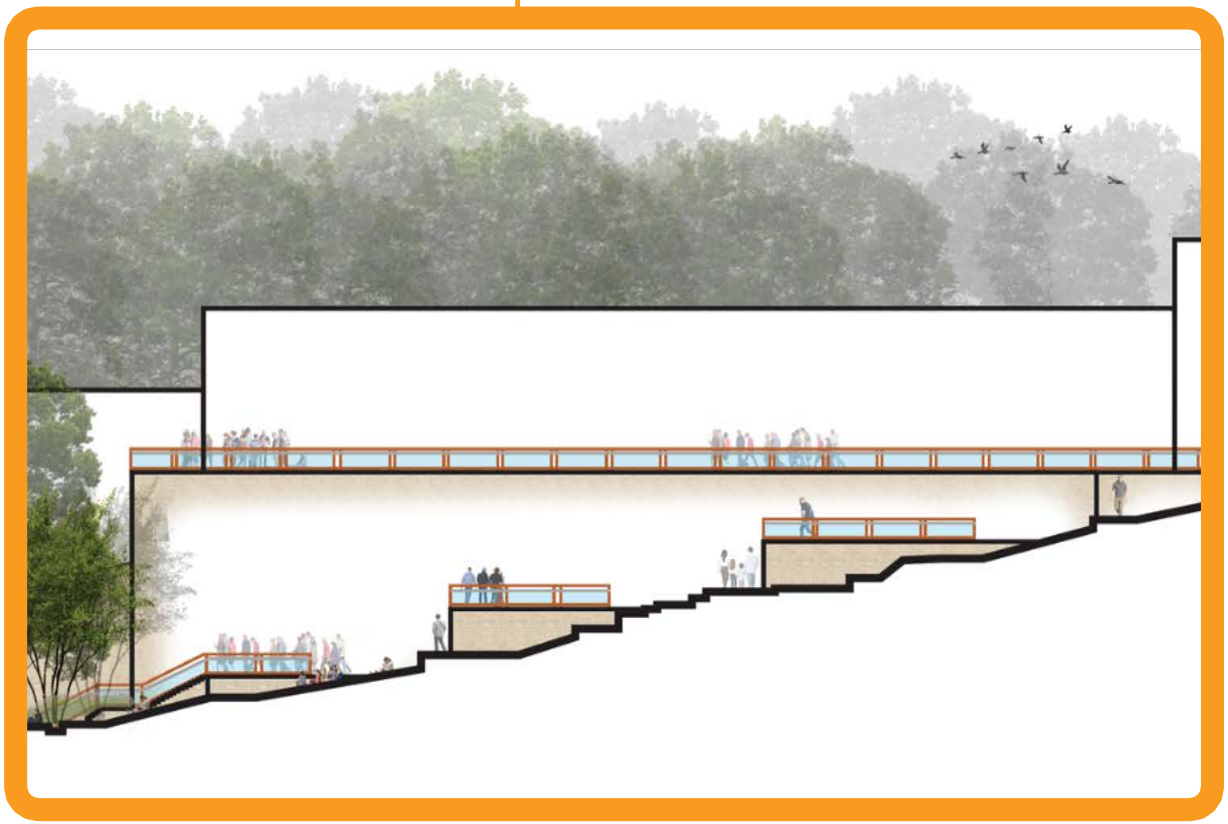


SEATING

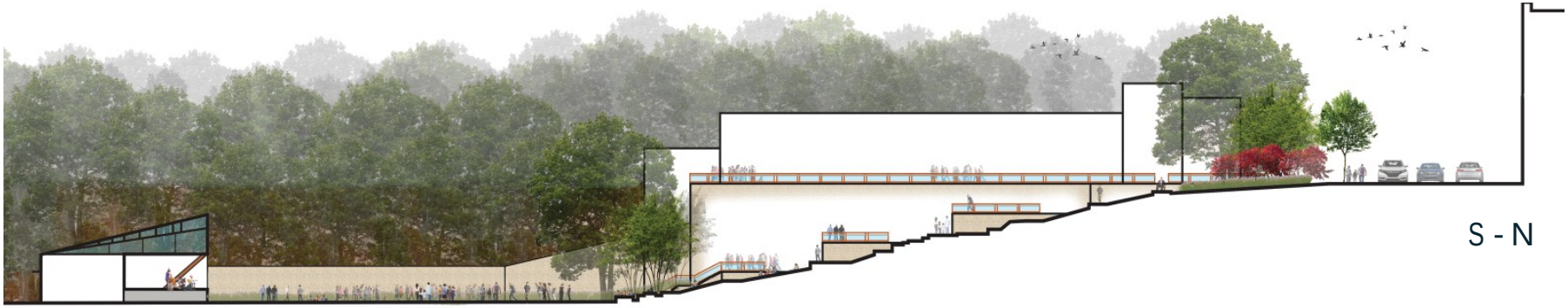
SITE SECTION



TERRACES



SITE SECTION



BIOSWALE

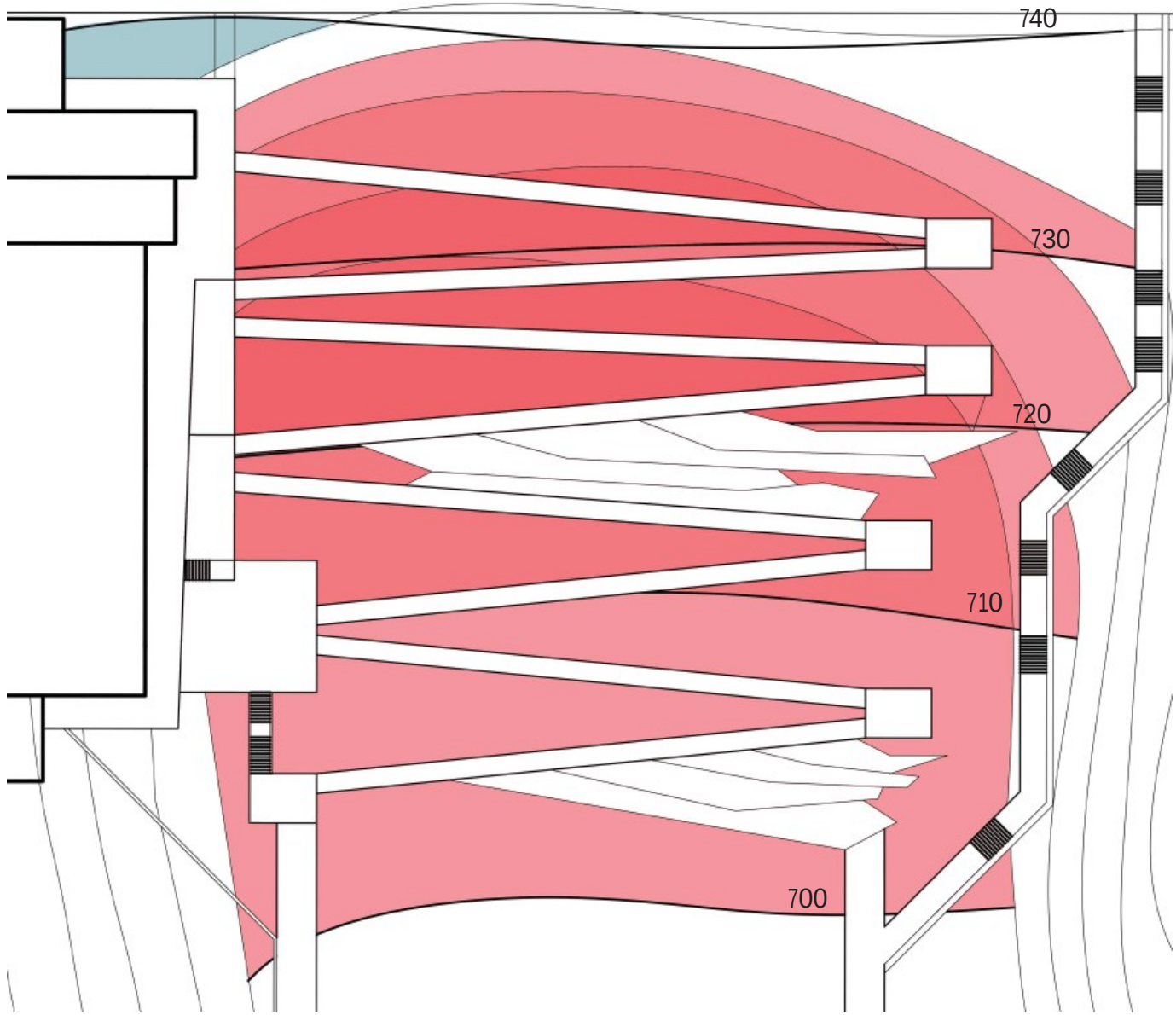
GRADING PLAN

FILL

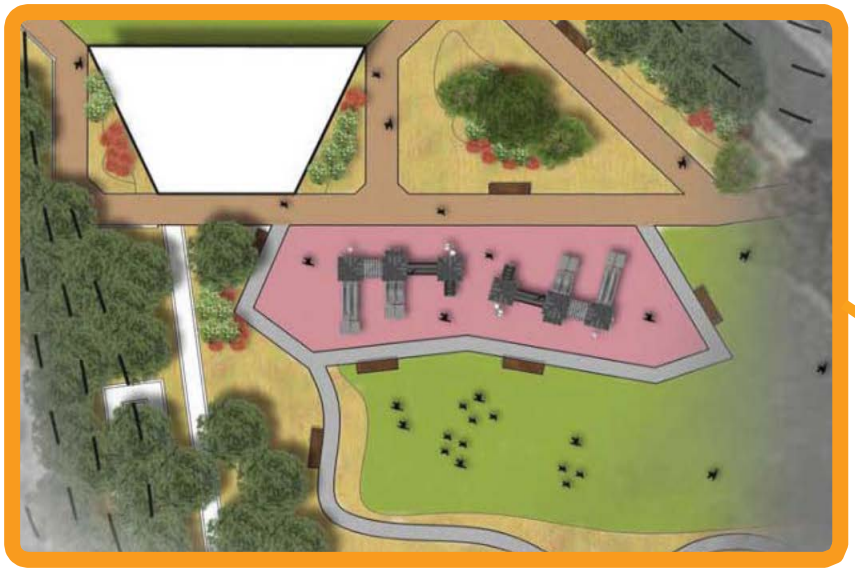
CUT

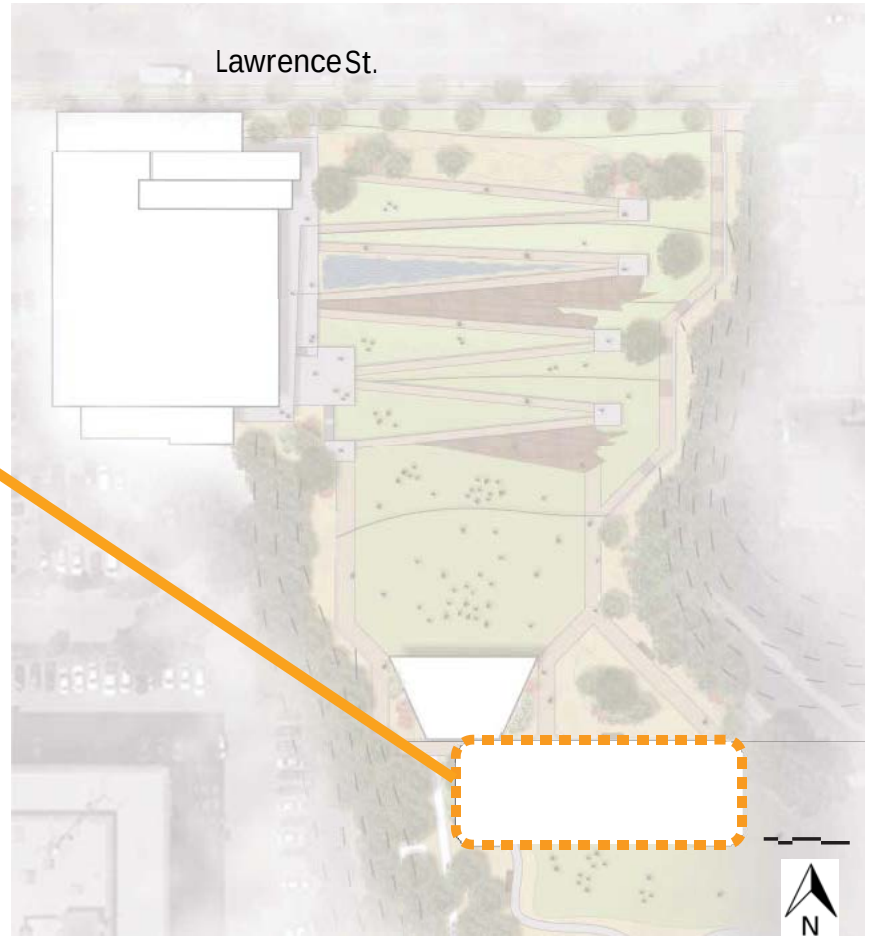
NET FILL:

345,000
CUBIC FT. FILL



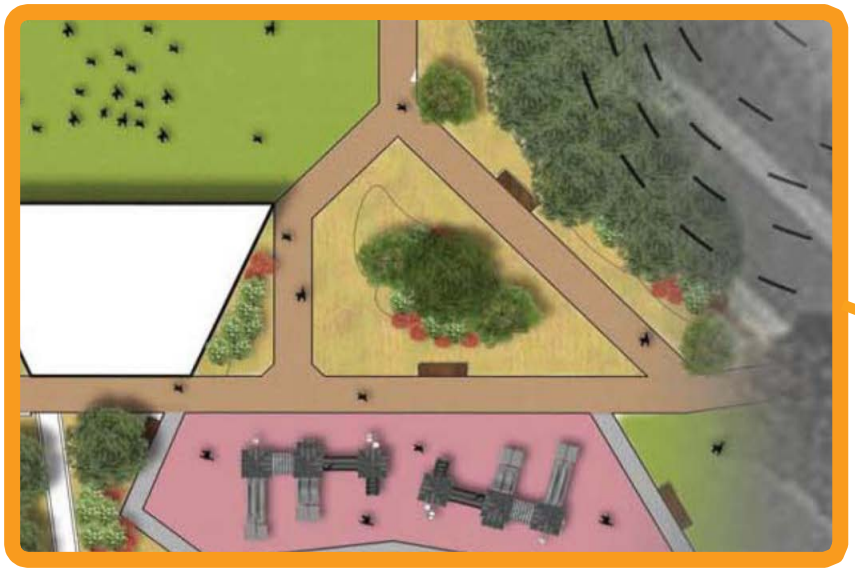
PLAY AREA

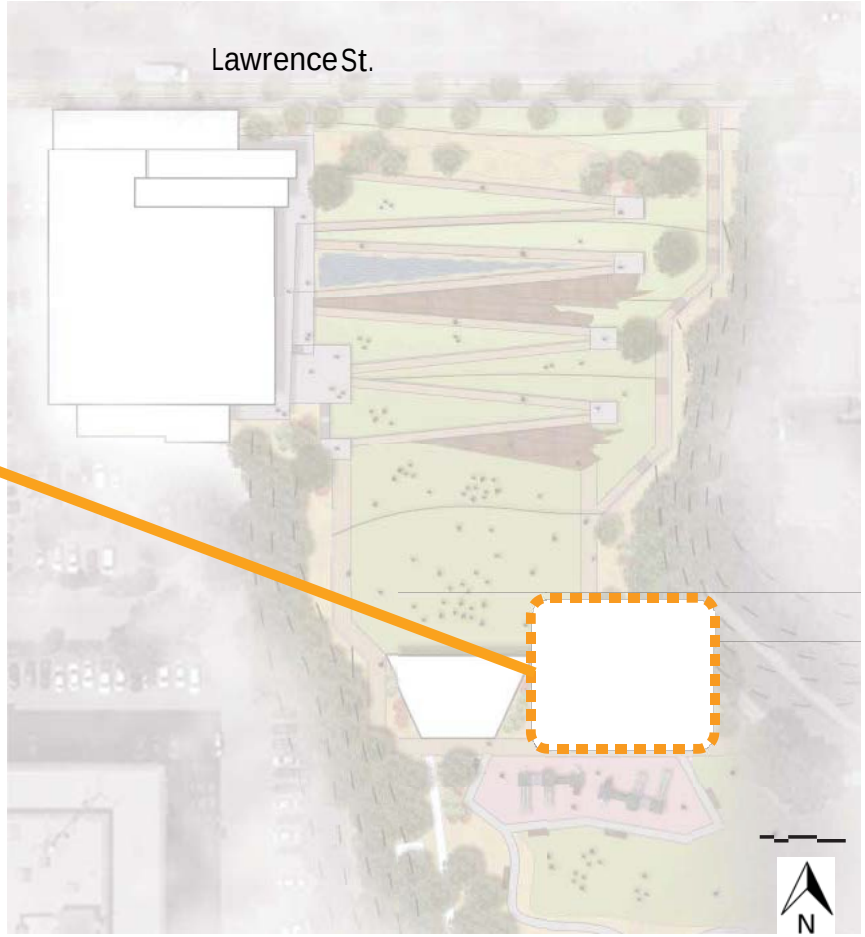




PLAY AREA

PRAIRIE ZONES





PLANTING PLAN UNDERSTORY

MEDIUM SHORT

- Prairie dropseed

MEDIUM TALL

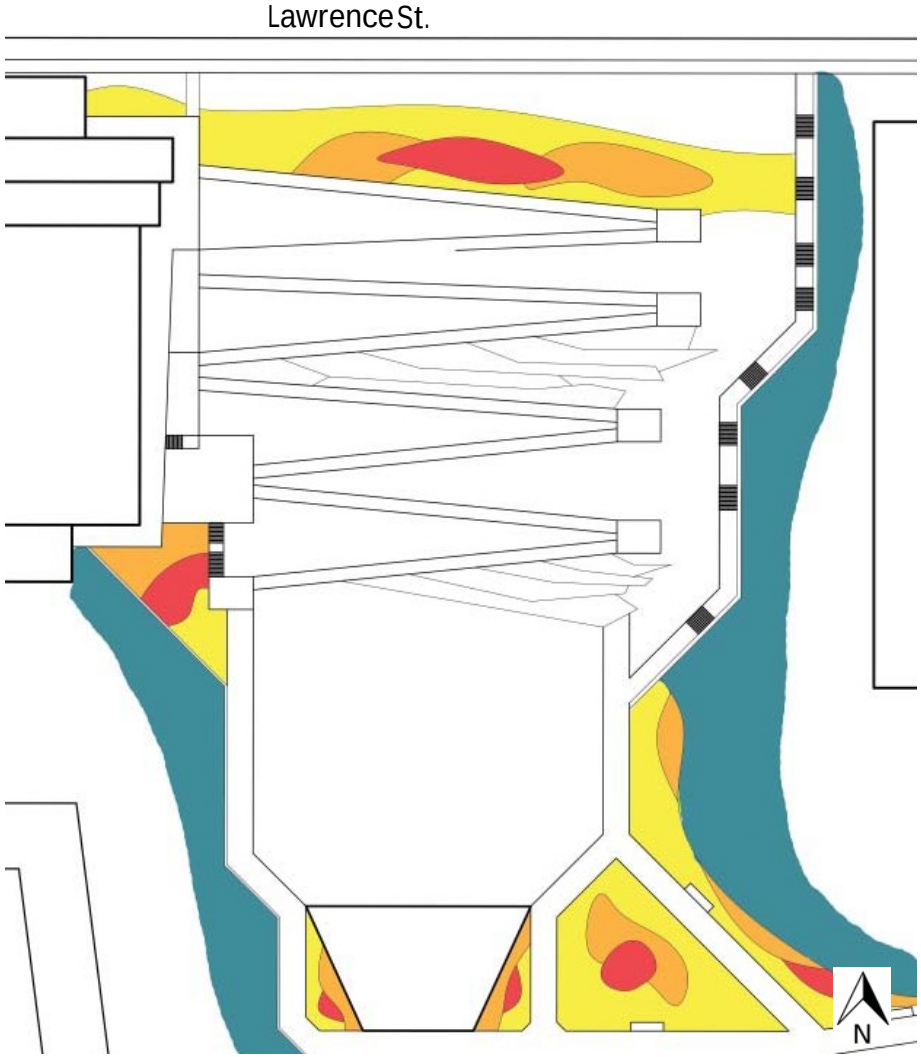
- Indian grass
- Switch grass

ORNAMENTAL

- Red milkweed ascepius
- Lead plant

WOODS UNDERSTORY

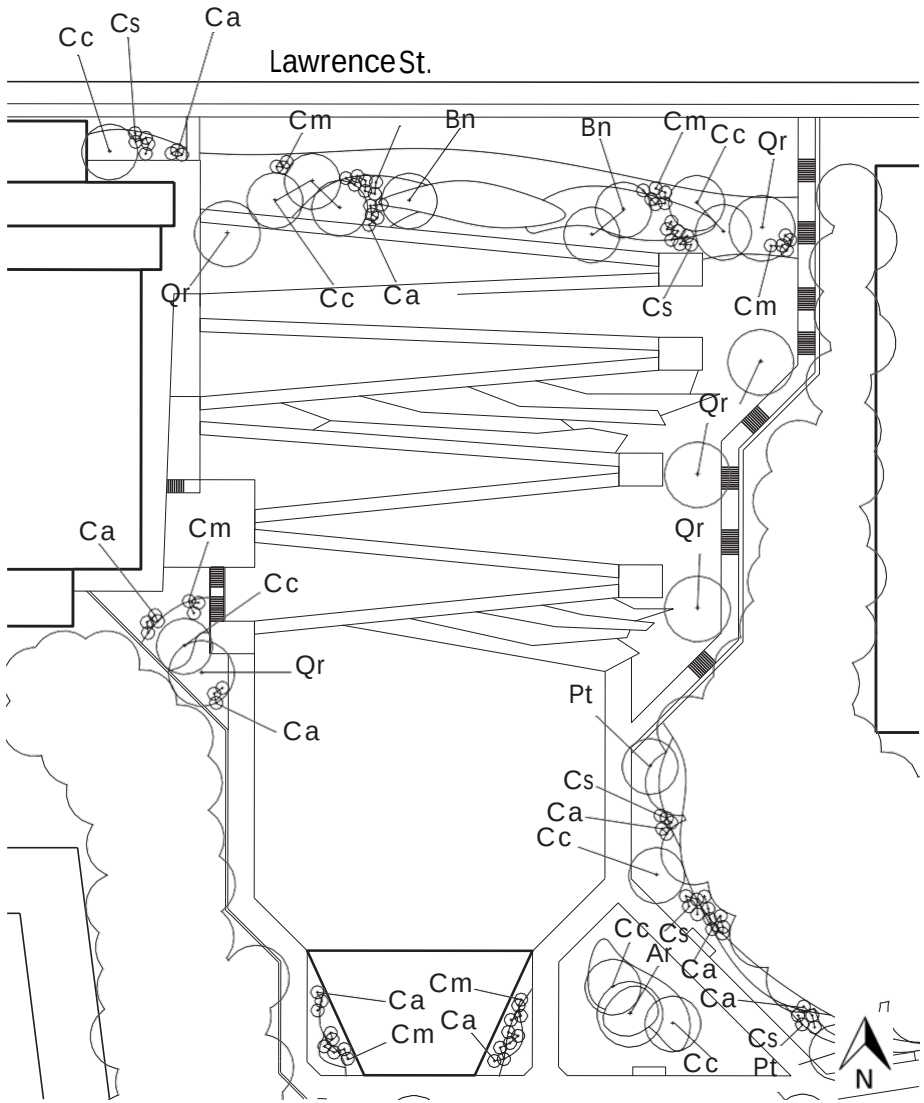
- Ivory sedge
- Pennsylvania sedge
- Long beaked sedge



PLANTING PLAN TREES AND SHRUBS

RED OAK

RIVER BIRCH



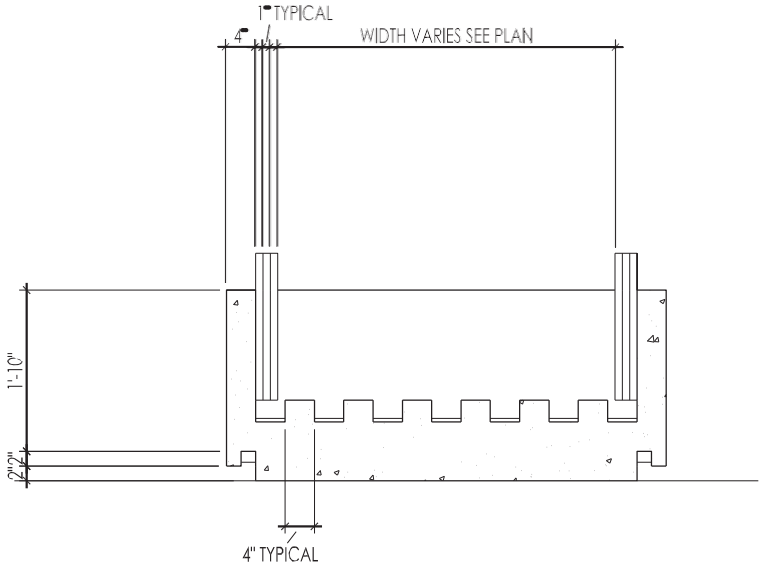
PRAIRIE ZONES

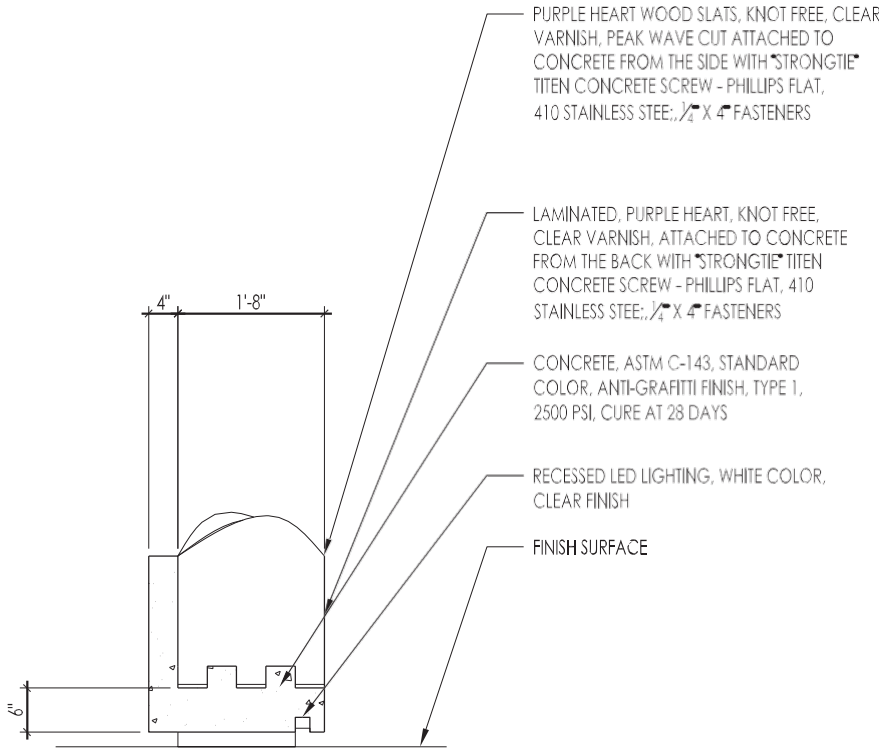
PRAIRIE FEEL

PASSING ZONE

PASSIVE ZONE

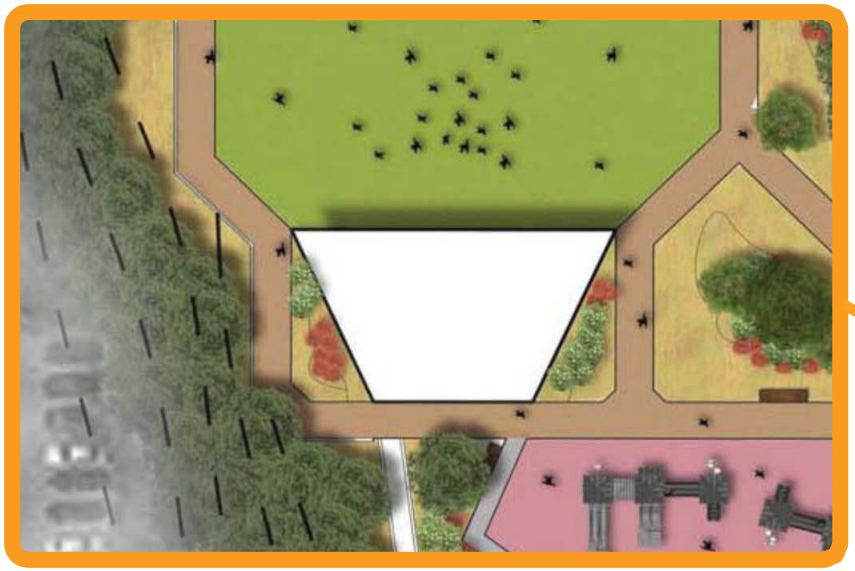
BENCH DETAIL

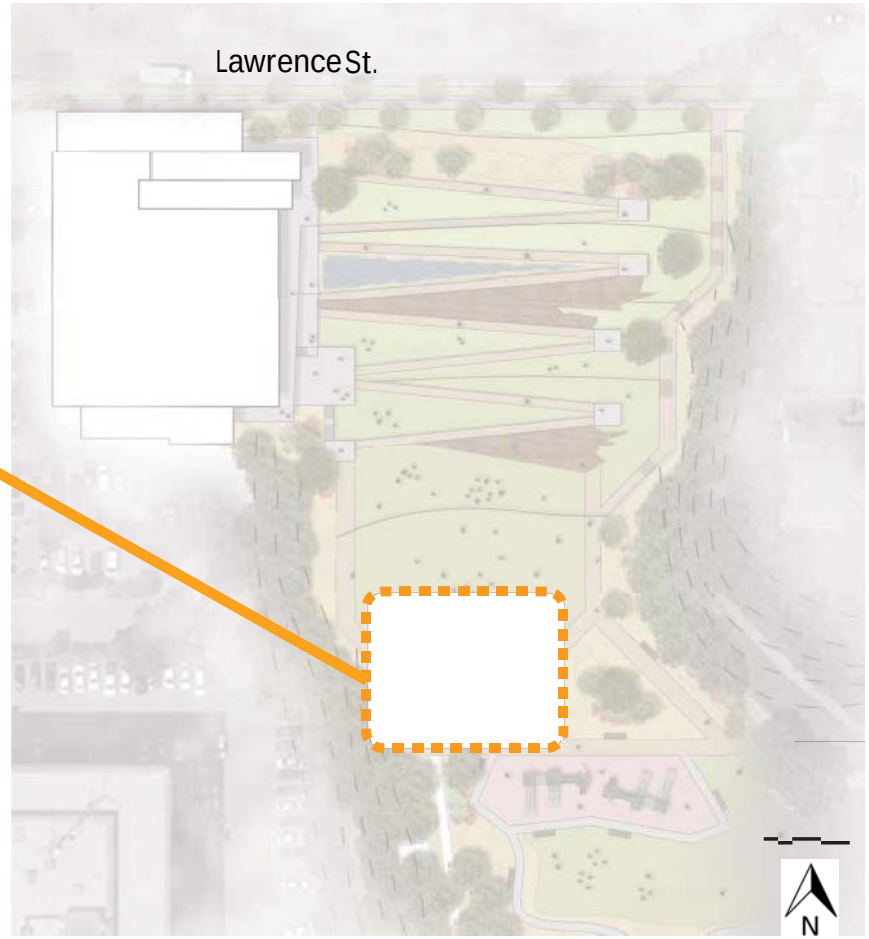




WAFFLE BENCH
3/4"=1'

THEATRE

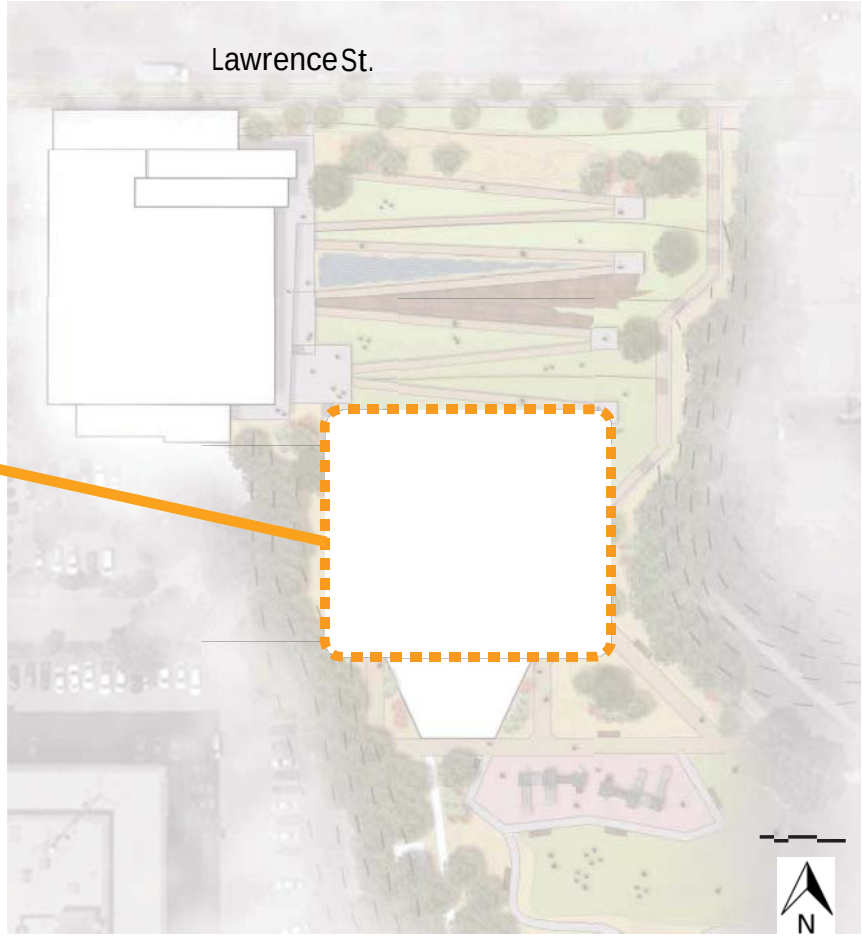




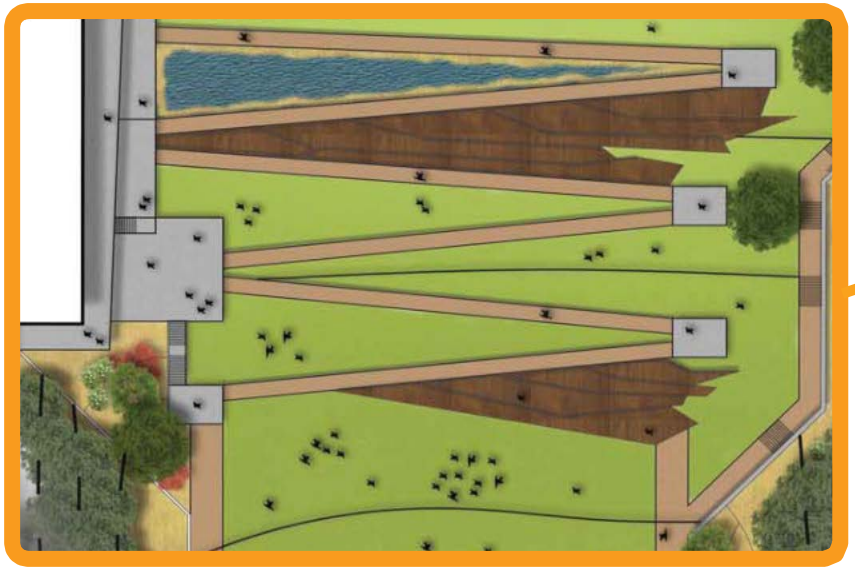
THEATRE

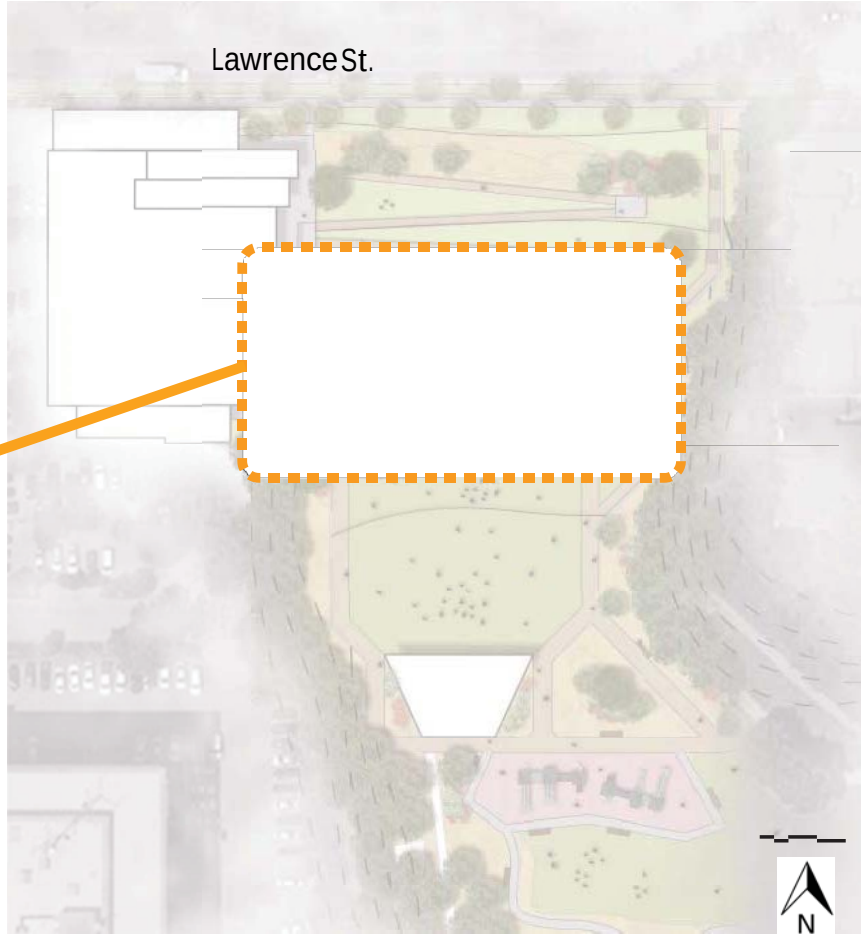
THEATRE

GREAT LAWN

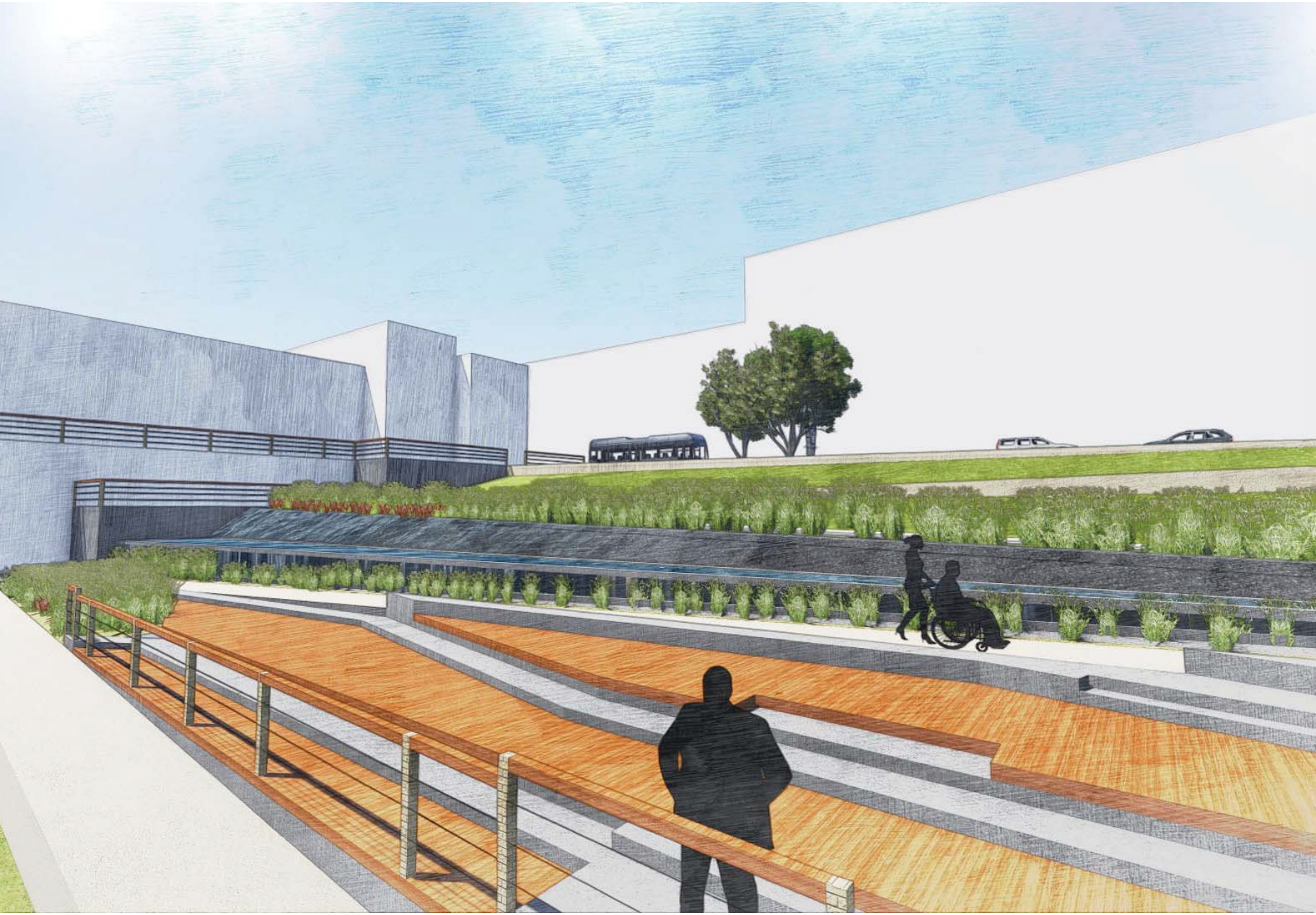


TERRACES

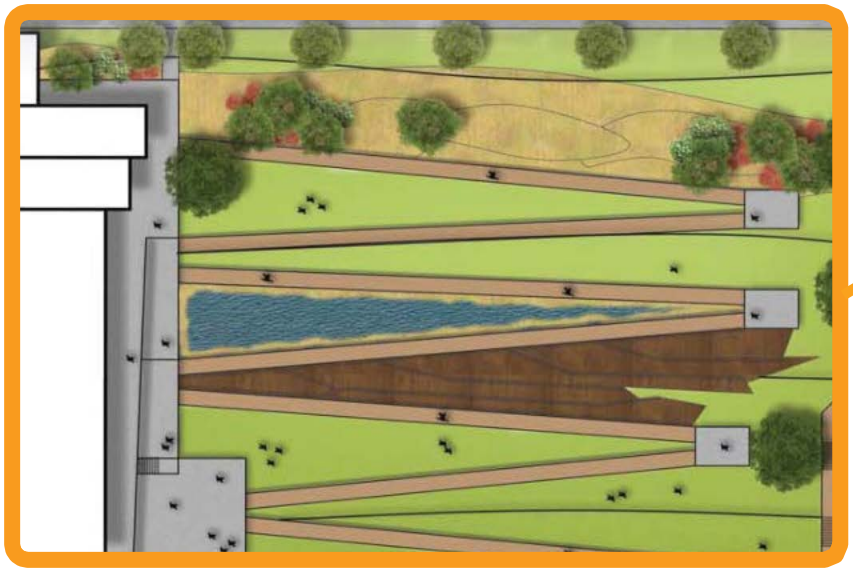


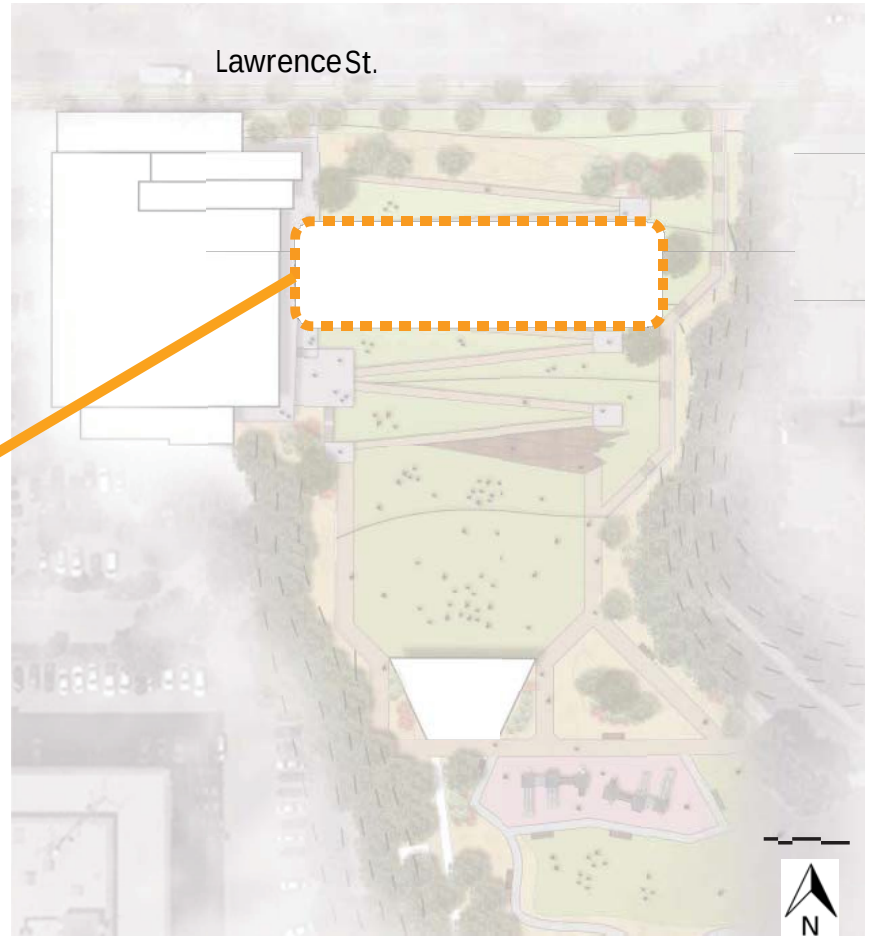


TERRACES



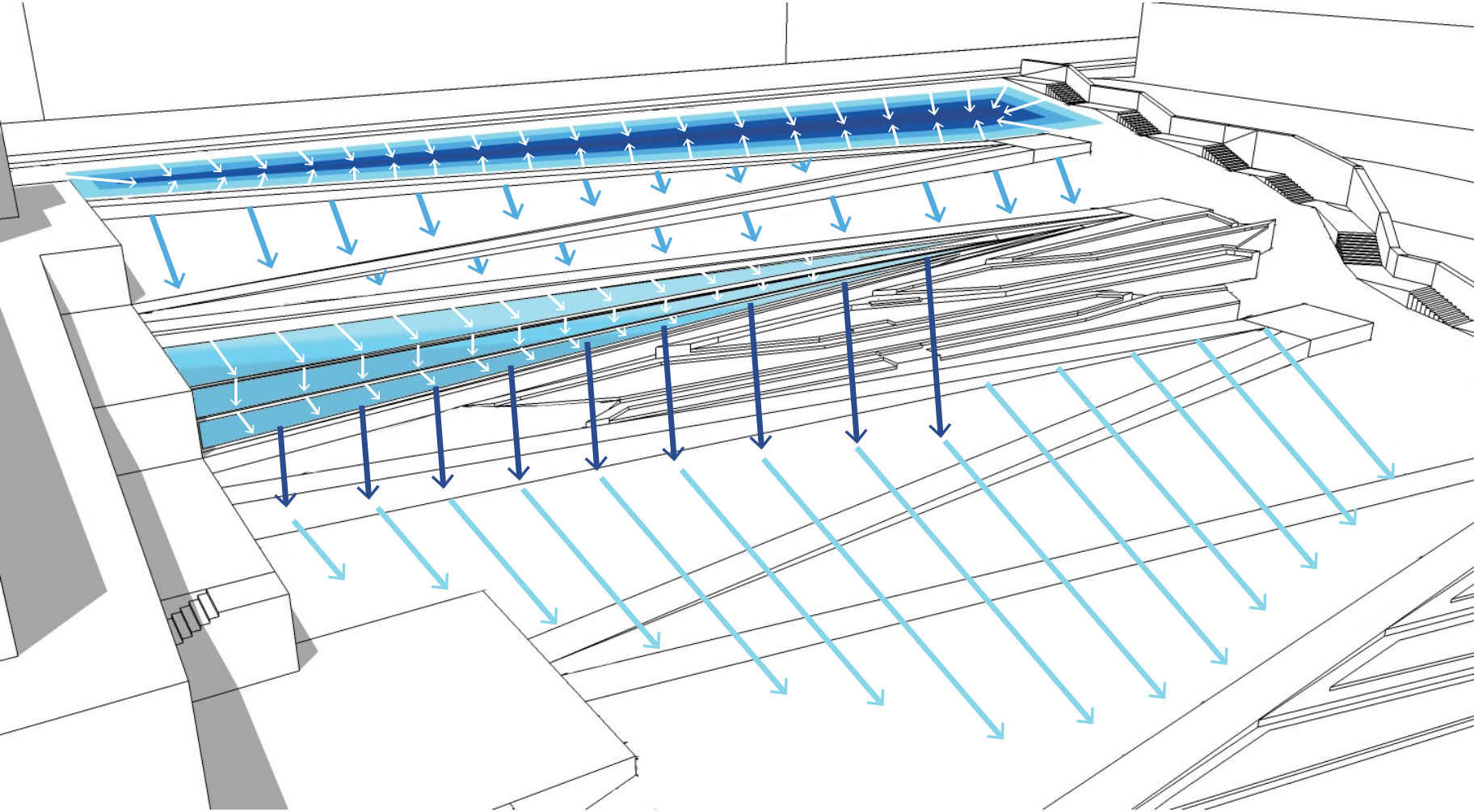
STORMWATER FEATURE





STORMWATER FEATURE

STORMWATER FLOW



ABOVE GROUND FEATURE FLOW

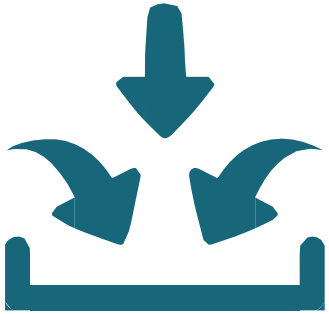
ABOVE GROUND FLOW

GROUND INFILTRATION

BELOW GROUND FLOW

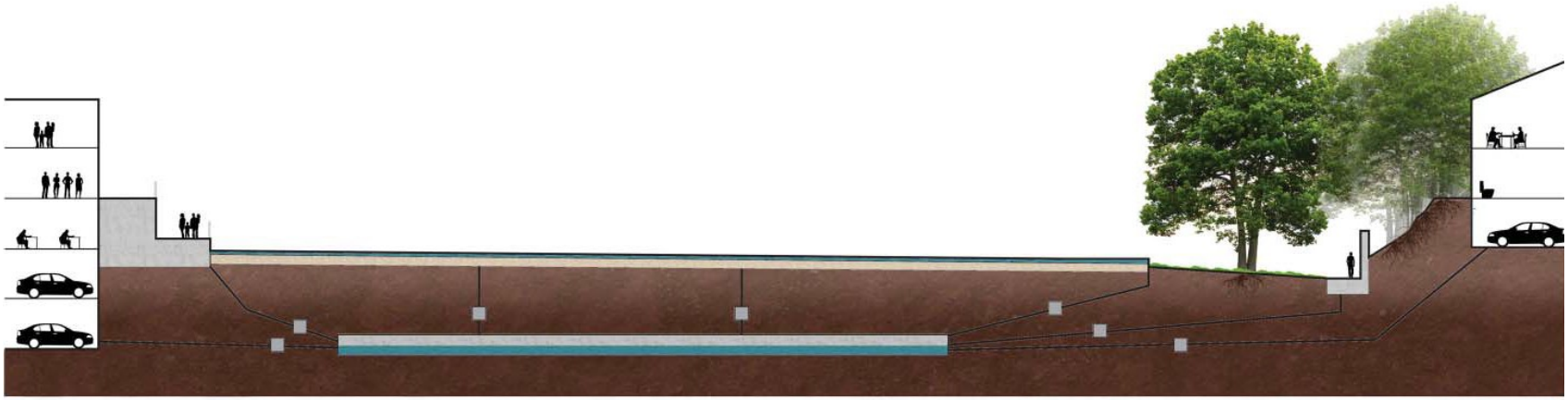
STORMWATER CYCLE

COLLECT



HARNESS ENERGY

RECYCLE



EVALUATION CRITERIA

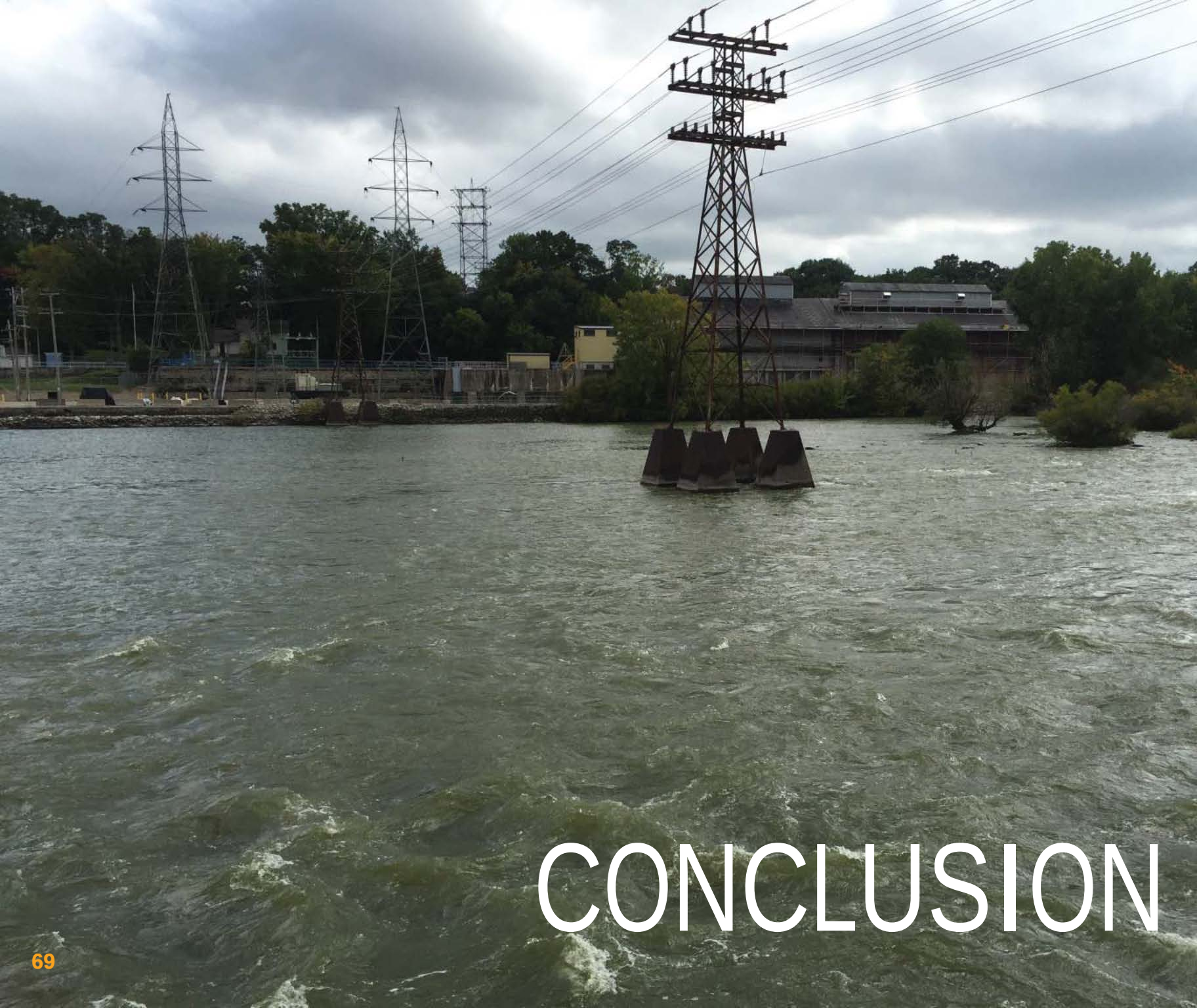
EVALUATION CRITERIA

- Provide safe access to the riverfront from downtown Appleton

- Connect to key landmarks in downtown Appleton

- Harvest and recycle stormwater

- Create a variety of year-round spaces for all users



CONCLUSION