



The Garden Classroom

"Where nature and knowledge grow together"

College Mission Statement

The St. Louis Community College is committed to expanding minds and changing lives every day.

Program Vision

We prepare students for careers in horticulture through an advanced curriculum taught by industry leaders in state-of-the-art facilities. Our comprehensive approach includes traditional classroom instruction, laboratory science, and hands-on-learning.

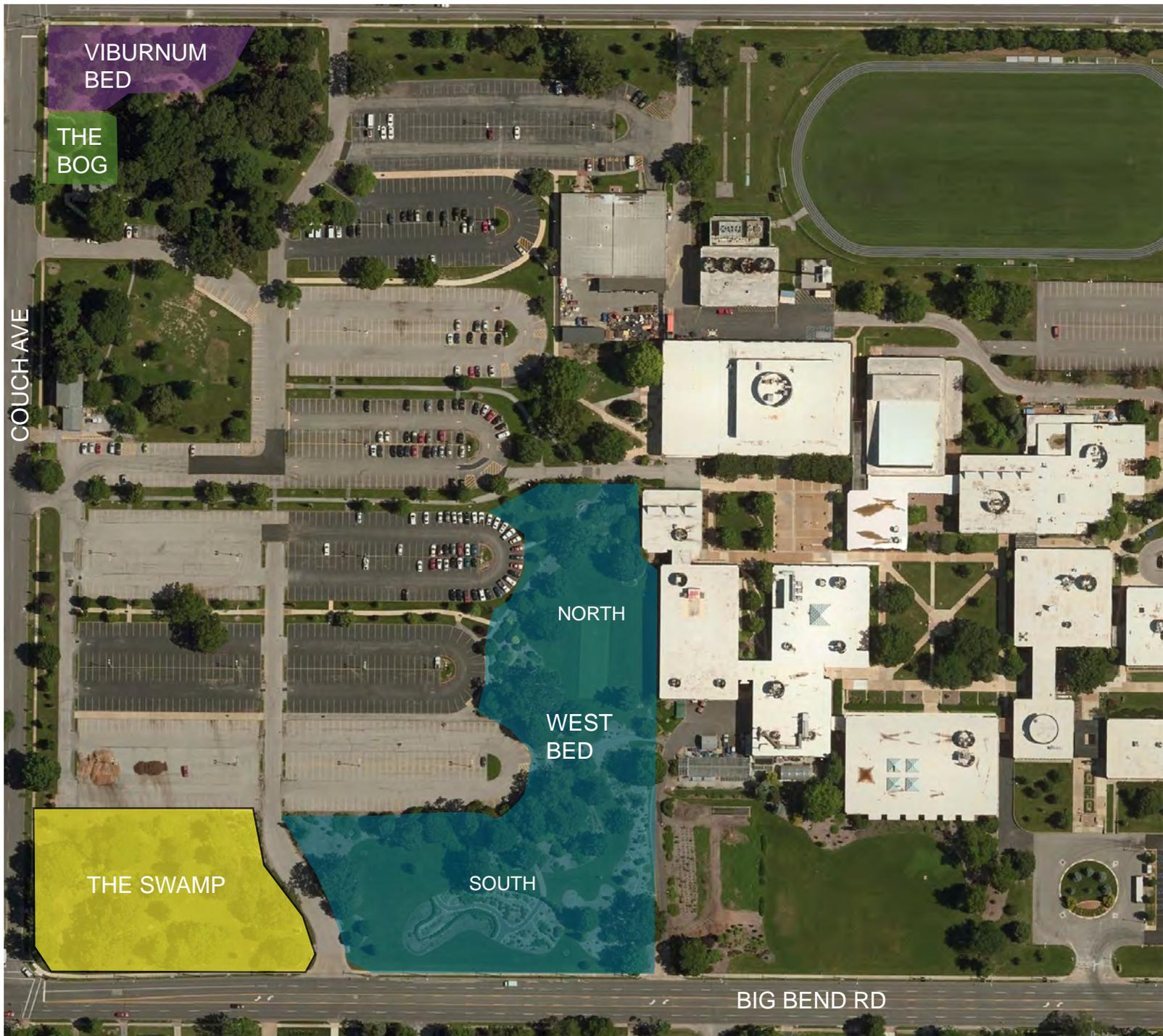
Key Elements of Program

- knowledge of applied horticulture
- hands-on experience
- plant production and management
(natives, ornamental plants, fruits, vegetables)
- environmental stewardship
- industry best practices
- leading edge technical data
- dynamic and sustainable program
- recognized internally and externally as a valuable resource for students, professionals, public

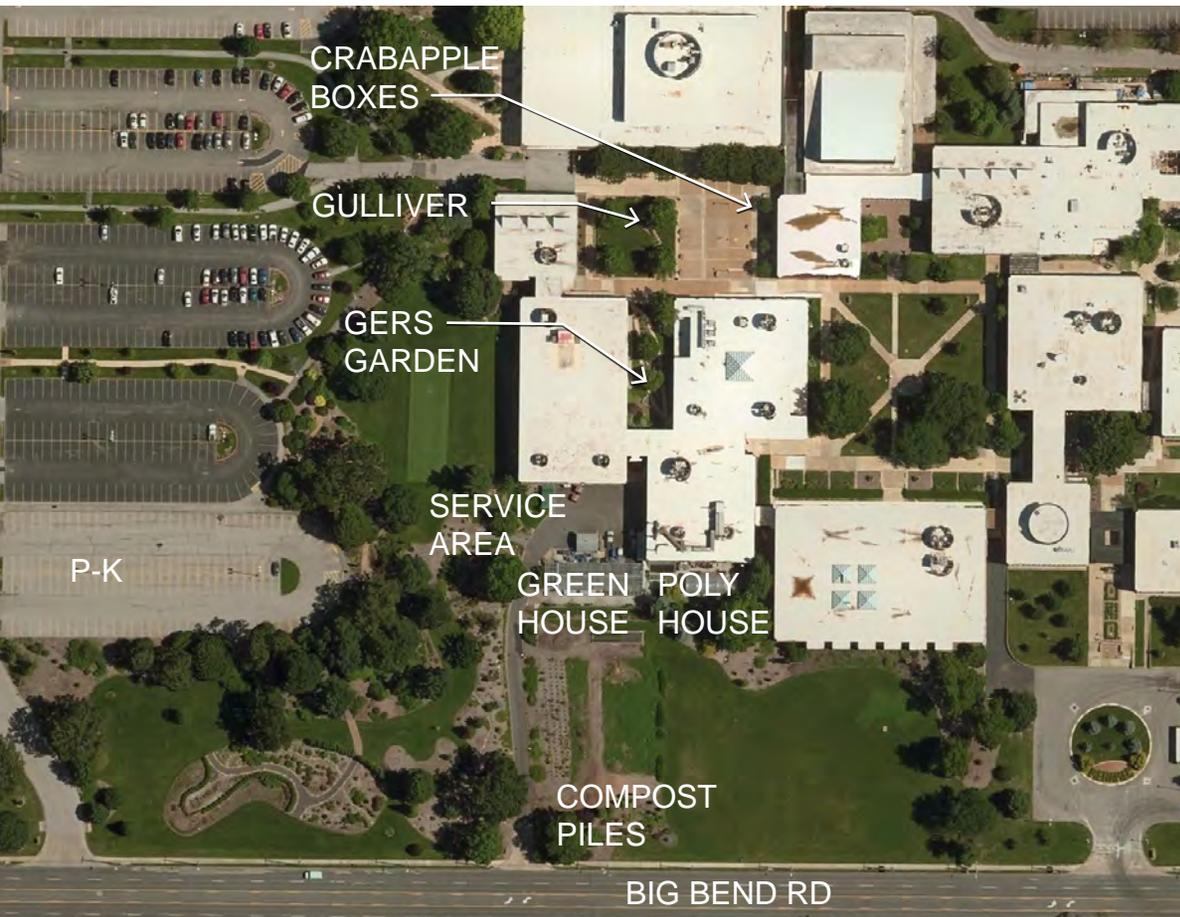












Campus

78 Acres Total

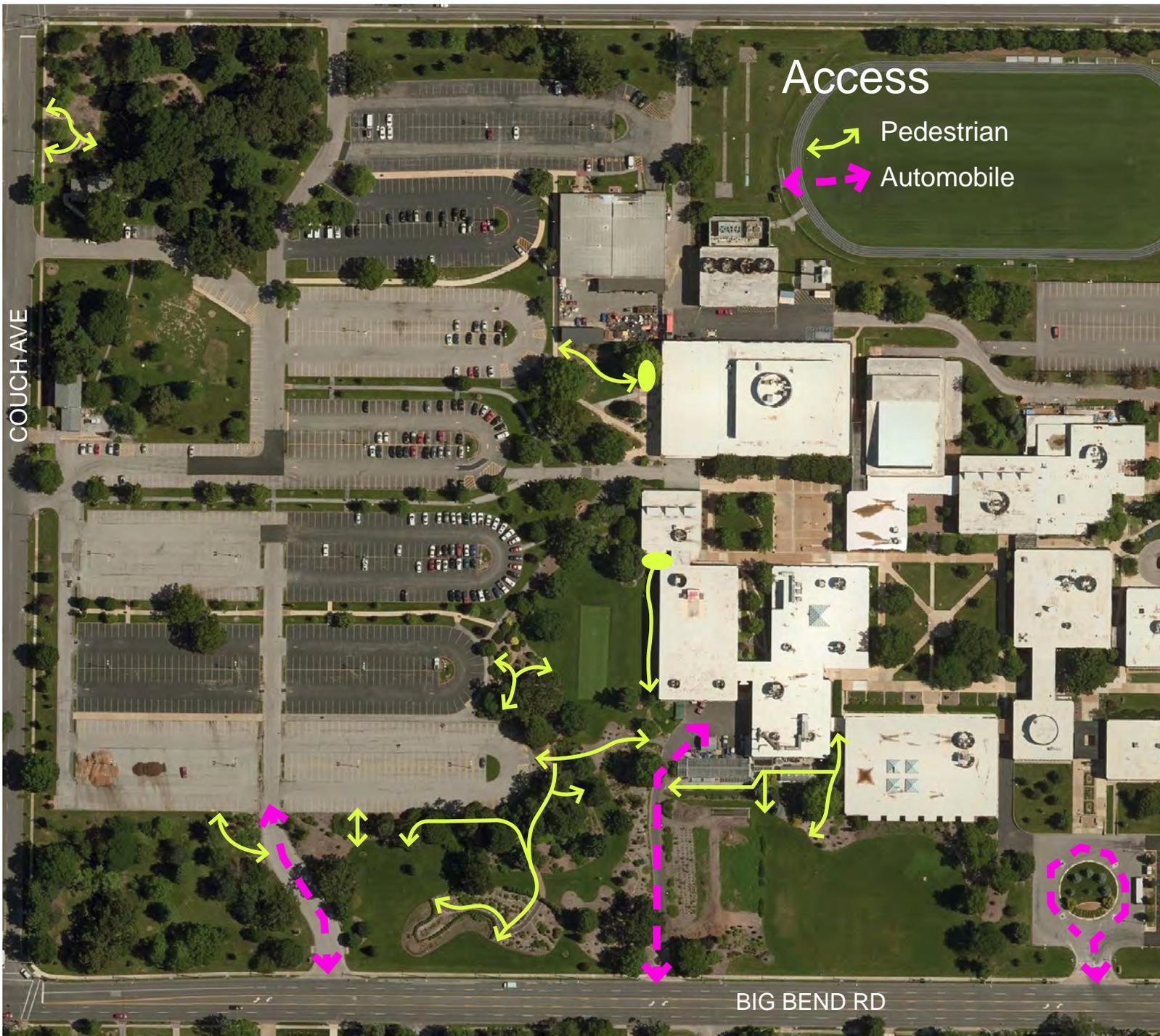
18% Canopy Cover

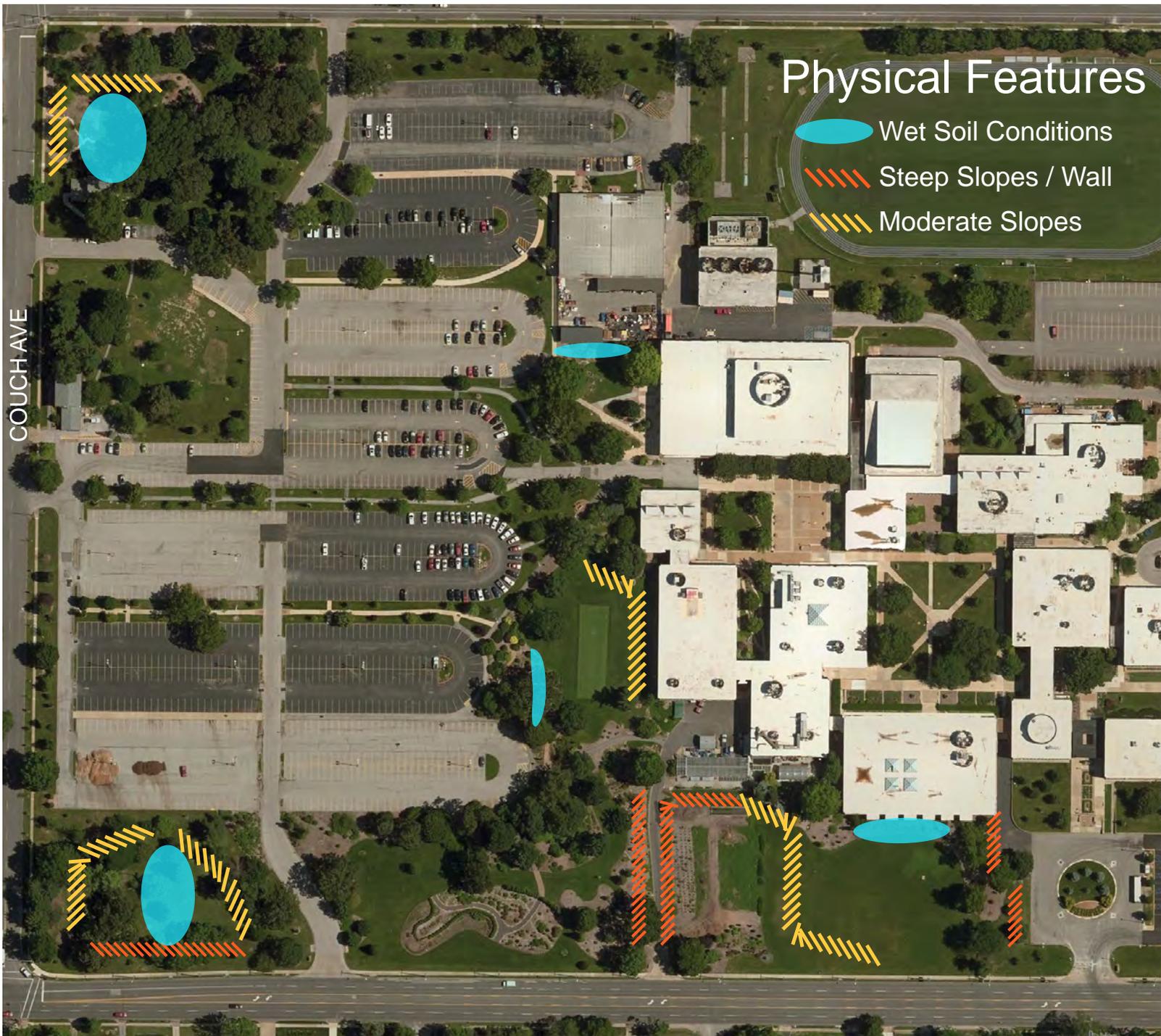
11 Acres Managed by Horticulture Program

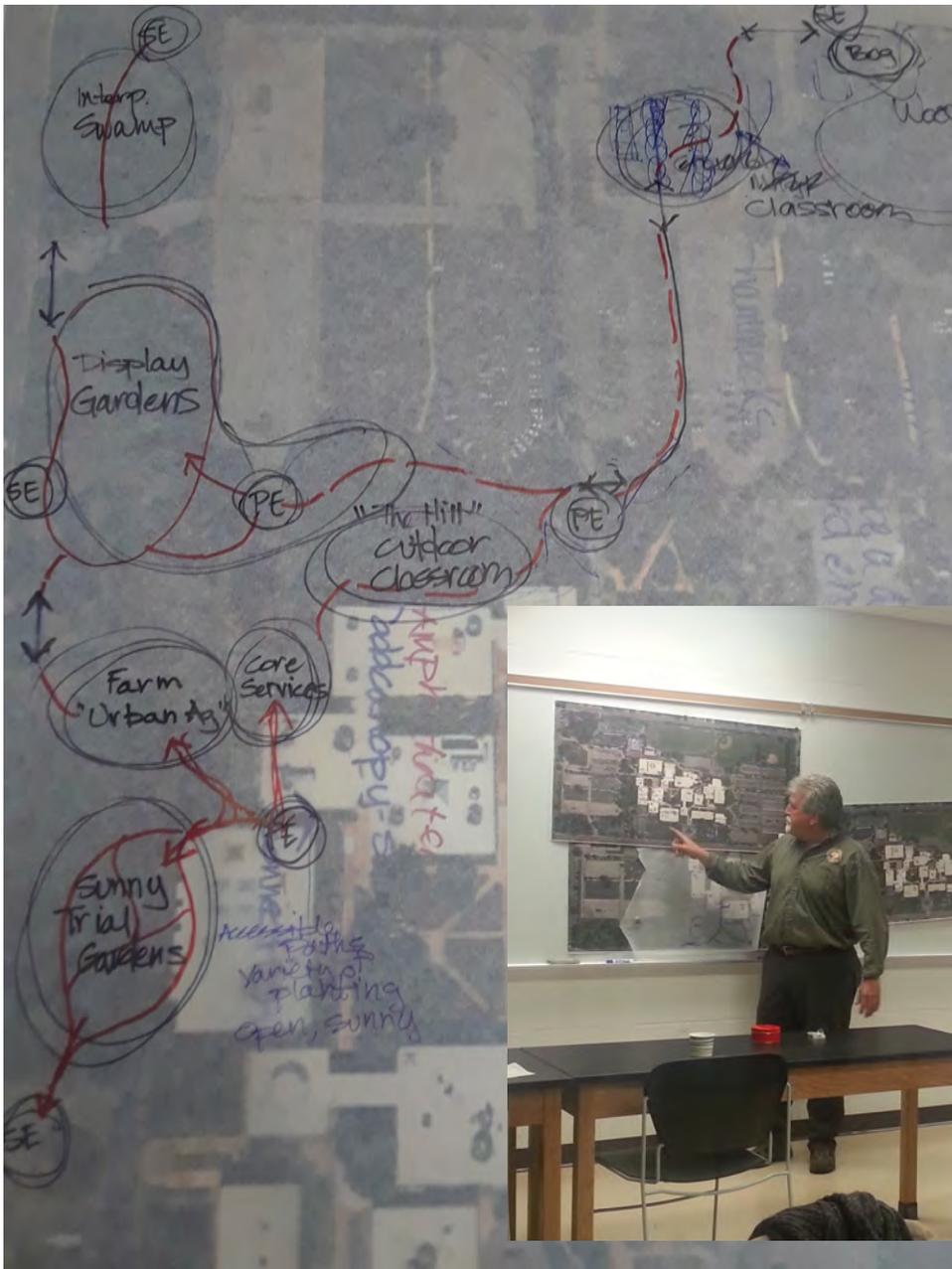
3.5 Acres of Turf Managed by Horticulture

100% of that Turf is Irrigated







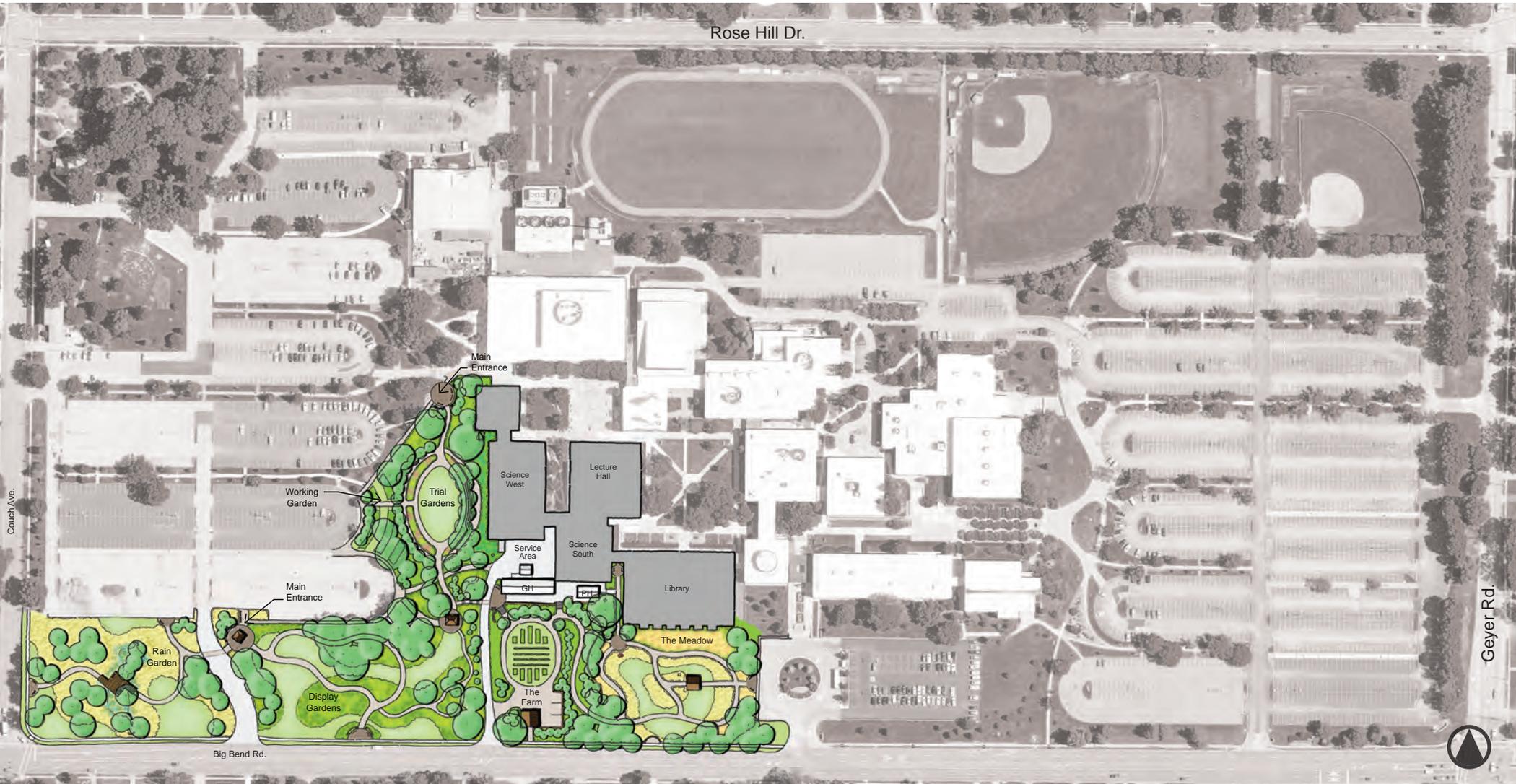


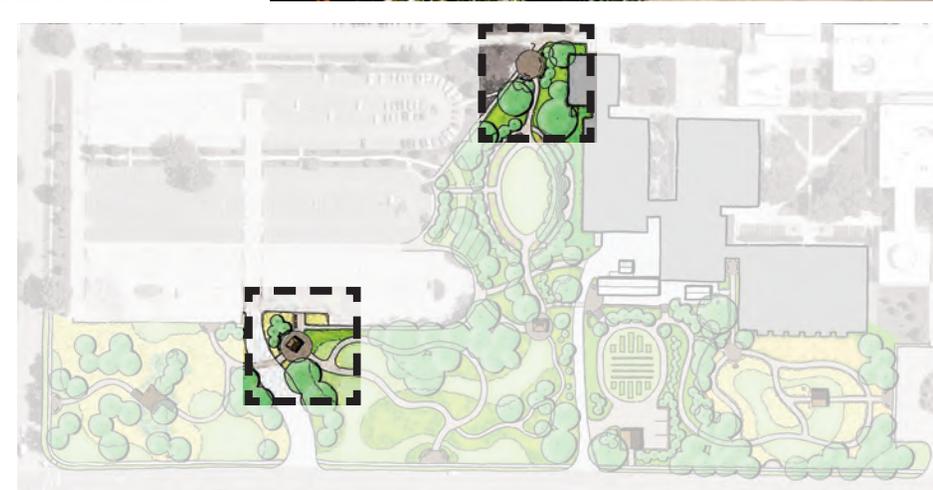
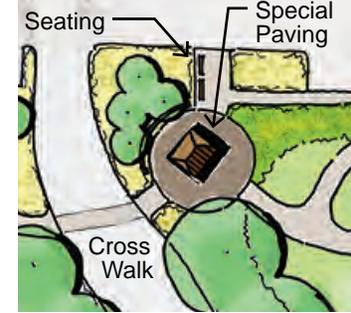
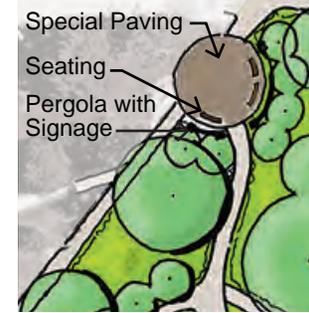
flow & connection is important
 bring people in
 organize service
 learning circles
 connected by path
 rain gardens tie into
 ex storm infrastructure
 embrace the sunny
 tree plan



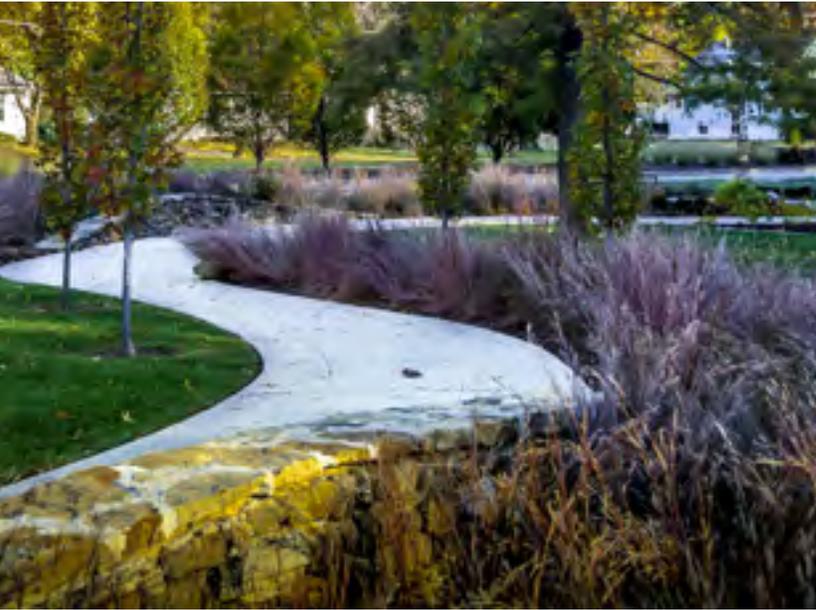
Garden Classroom Objectives

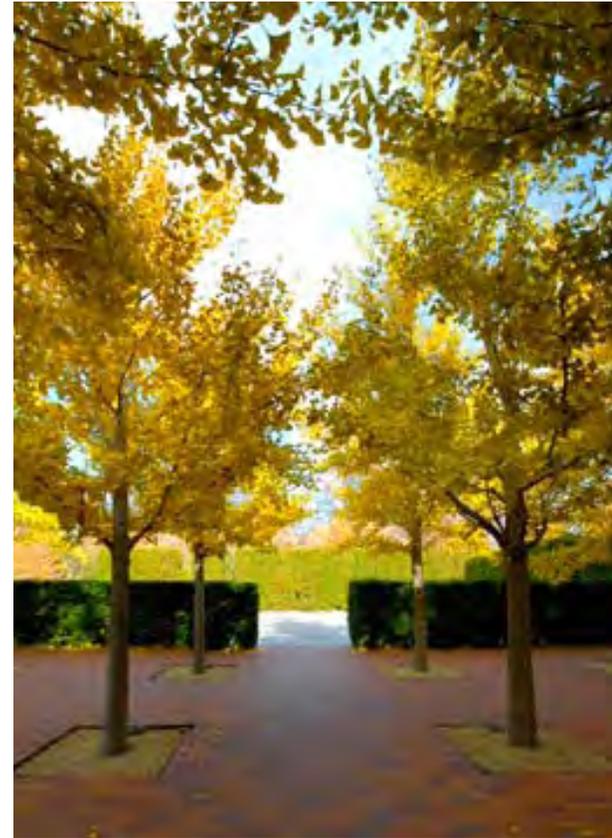
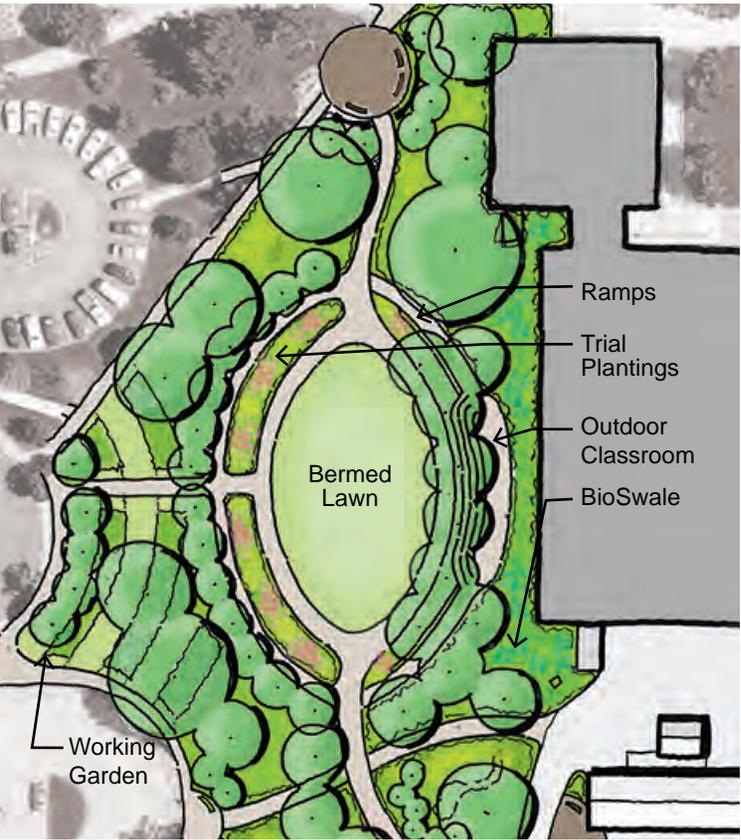
- Establish the Garden Classroom at Meramec as the premier training ground in the St. Louis region by exemplifying excellence in horticulture.
- Align development of the Garden Classroom with STLCC's Strategic Vision by demonstrating leading edge technologies, innovative techniques, and best management practices in a hands-on learning environment for students.
- Improve accessibility and visibility to the Garden Classroom in order to better connect students, staff, the community, and the green industry to the Garden Classroom at STLCC.
- Provide connections for students to natural, unbuilt spaces, that will improve academic performance, increase focus and physical activity, and reduce stress.
- Improve STLCC's environmental footprint by reducing turf and increasing canopy cover, by stewarding landscapes that require fewer resources and provide more environmental benefits.





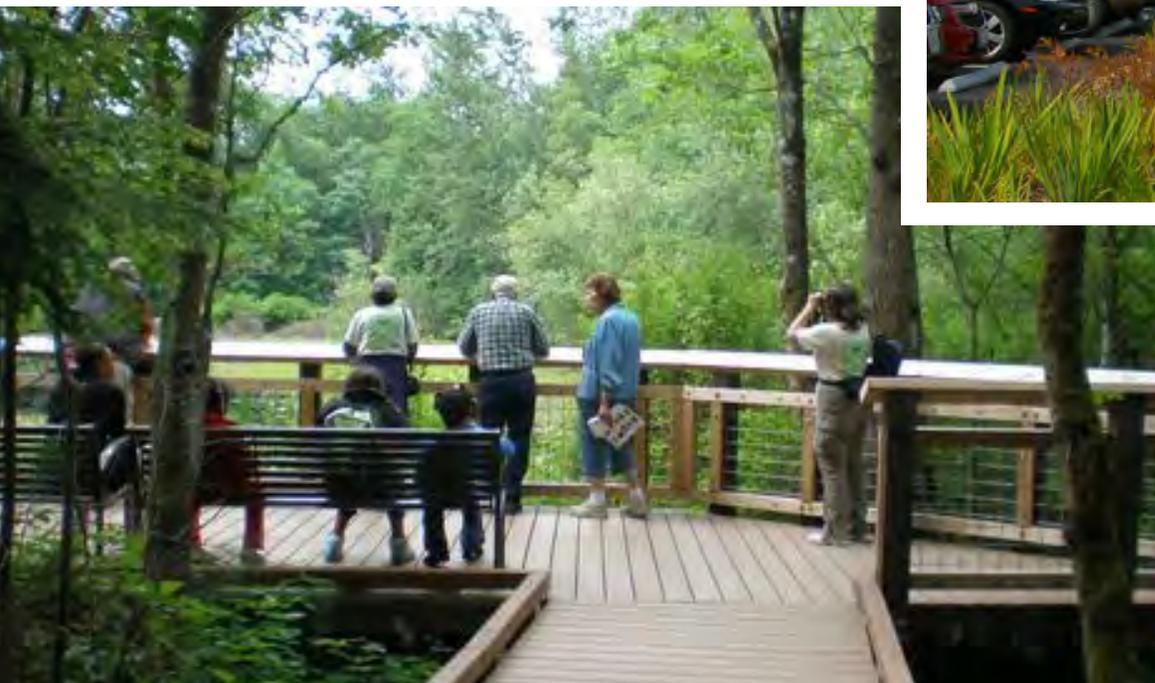
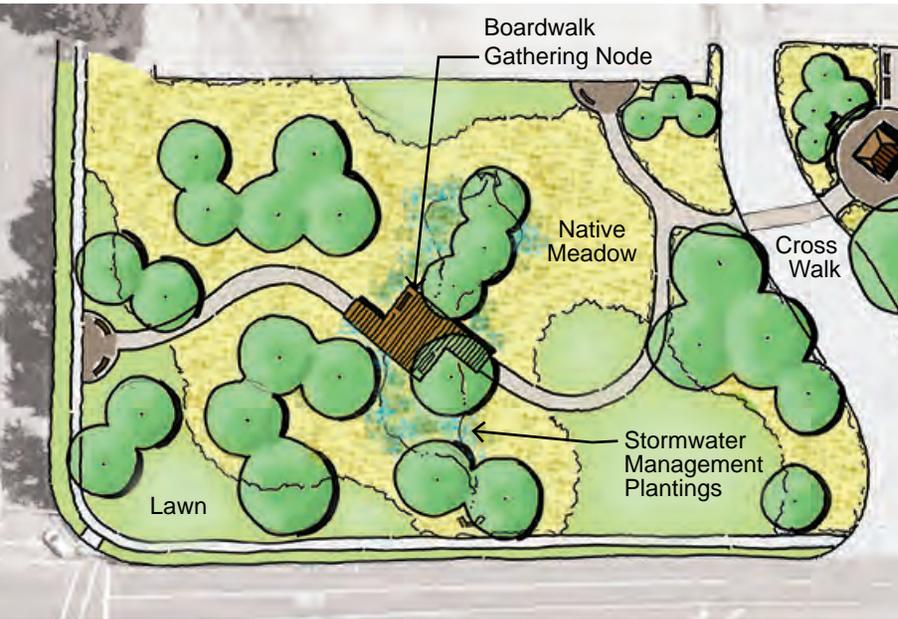


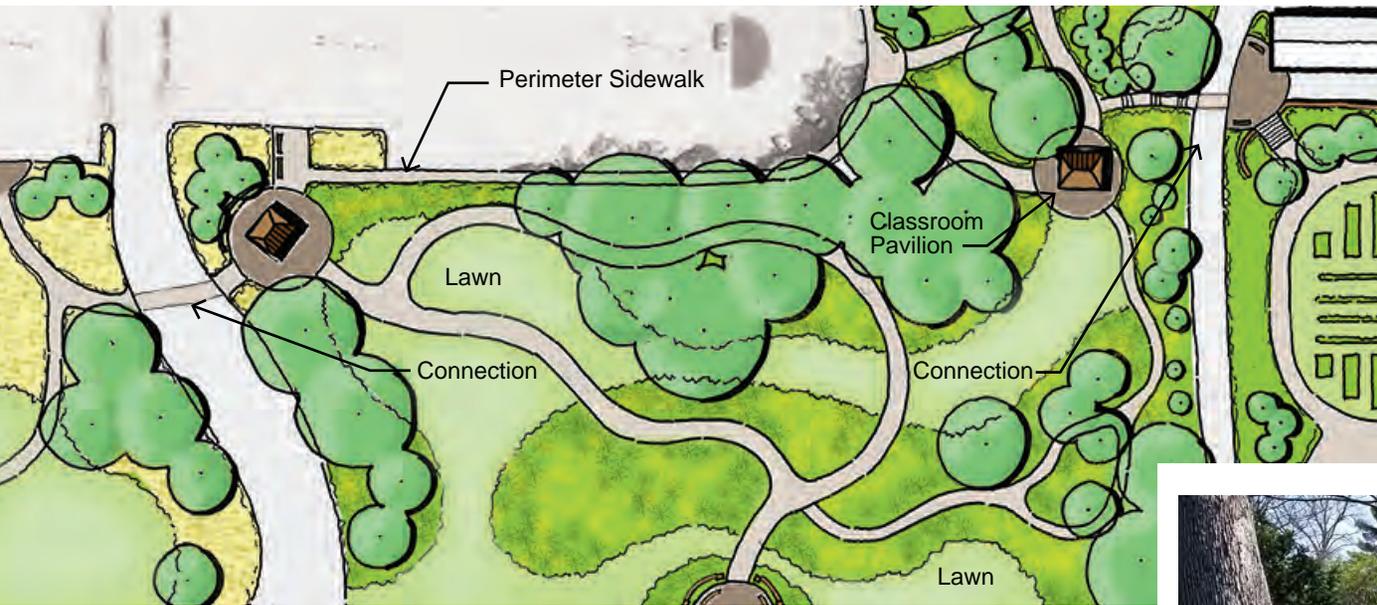


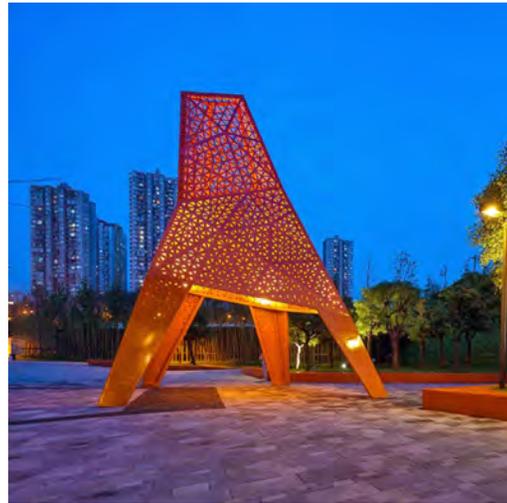
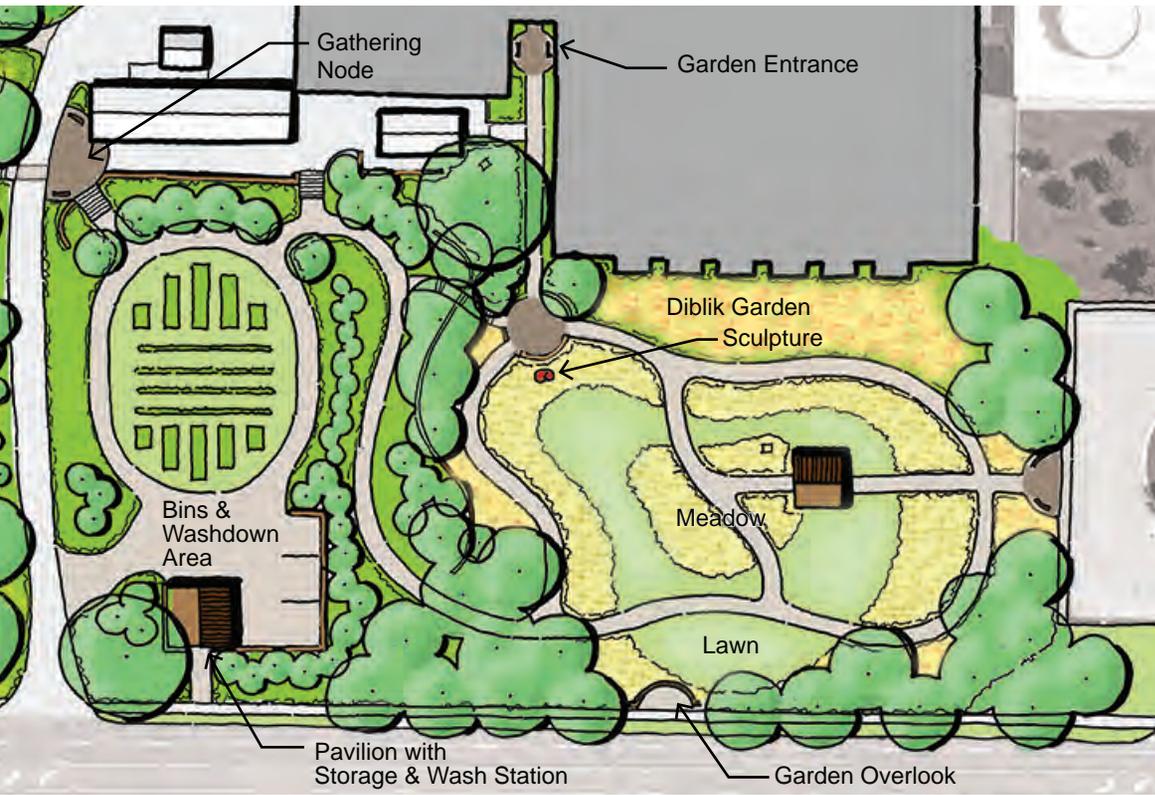




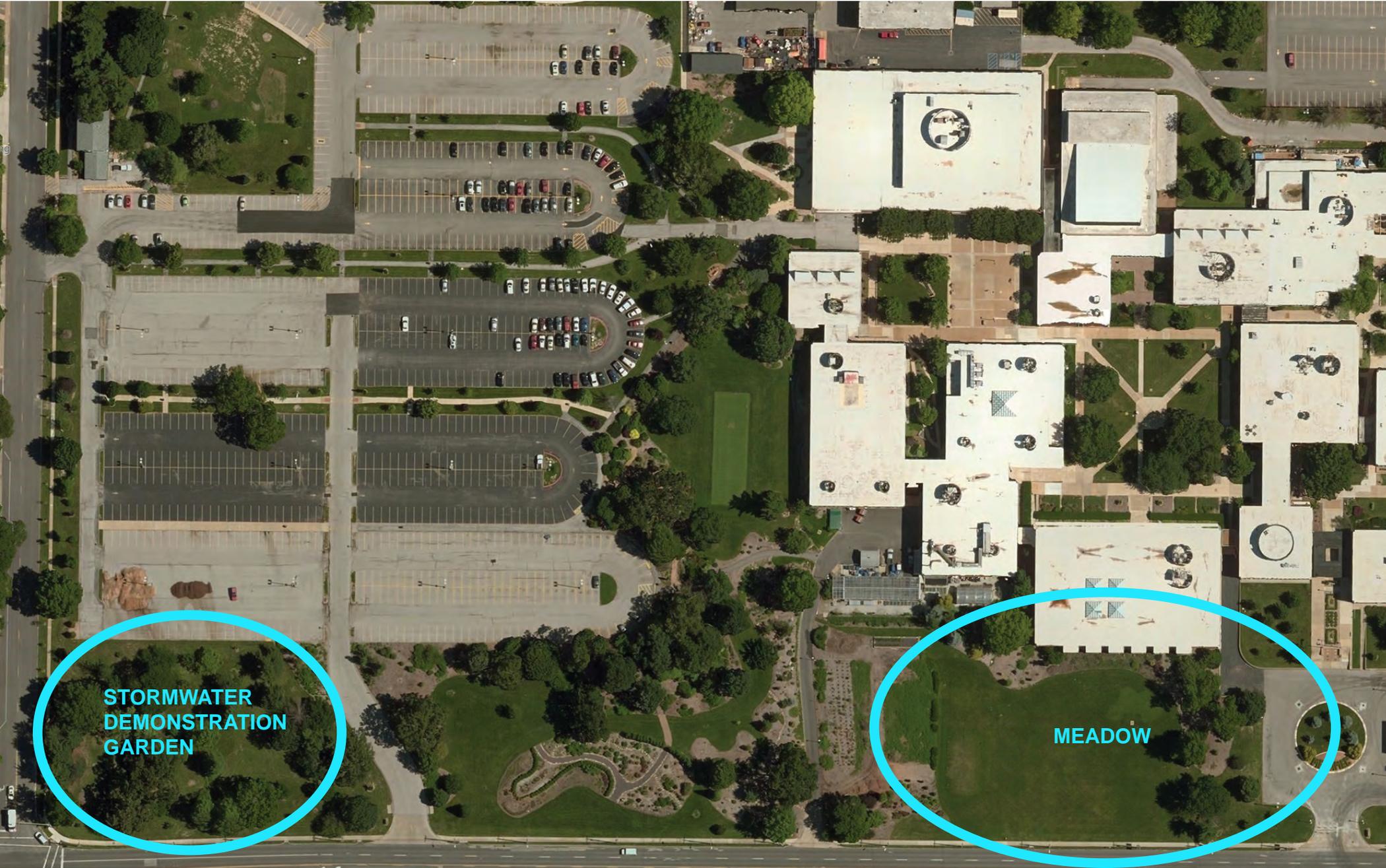
WATER











**STORMWATER
DEMONSTRATION
GARDEN**

MEADOW



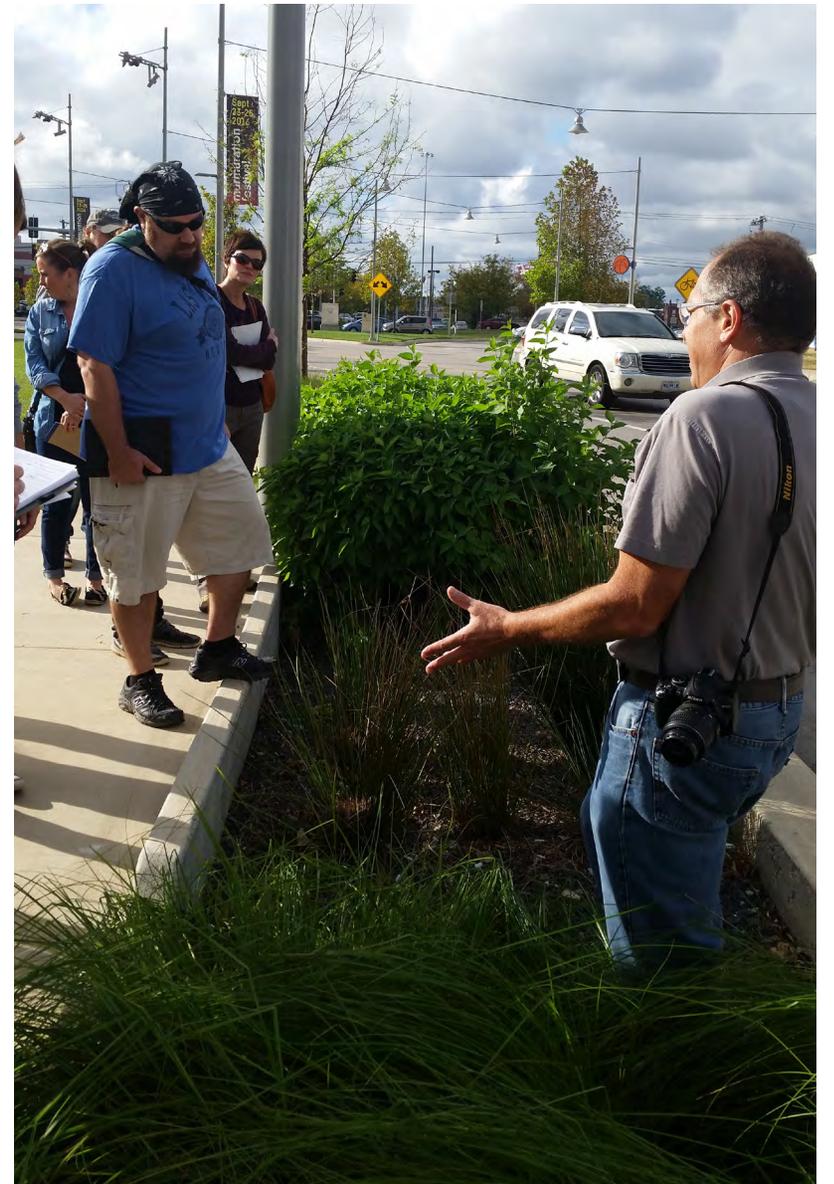
Stormwater Demonstration Garden

Goals for Garden

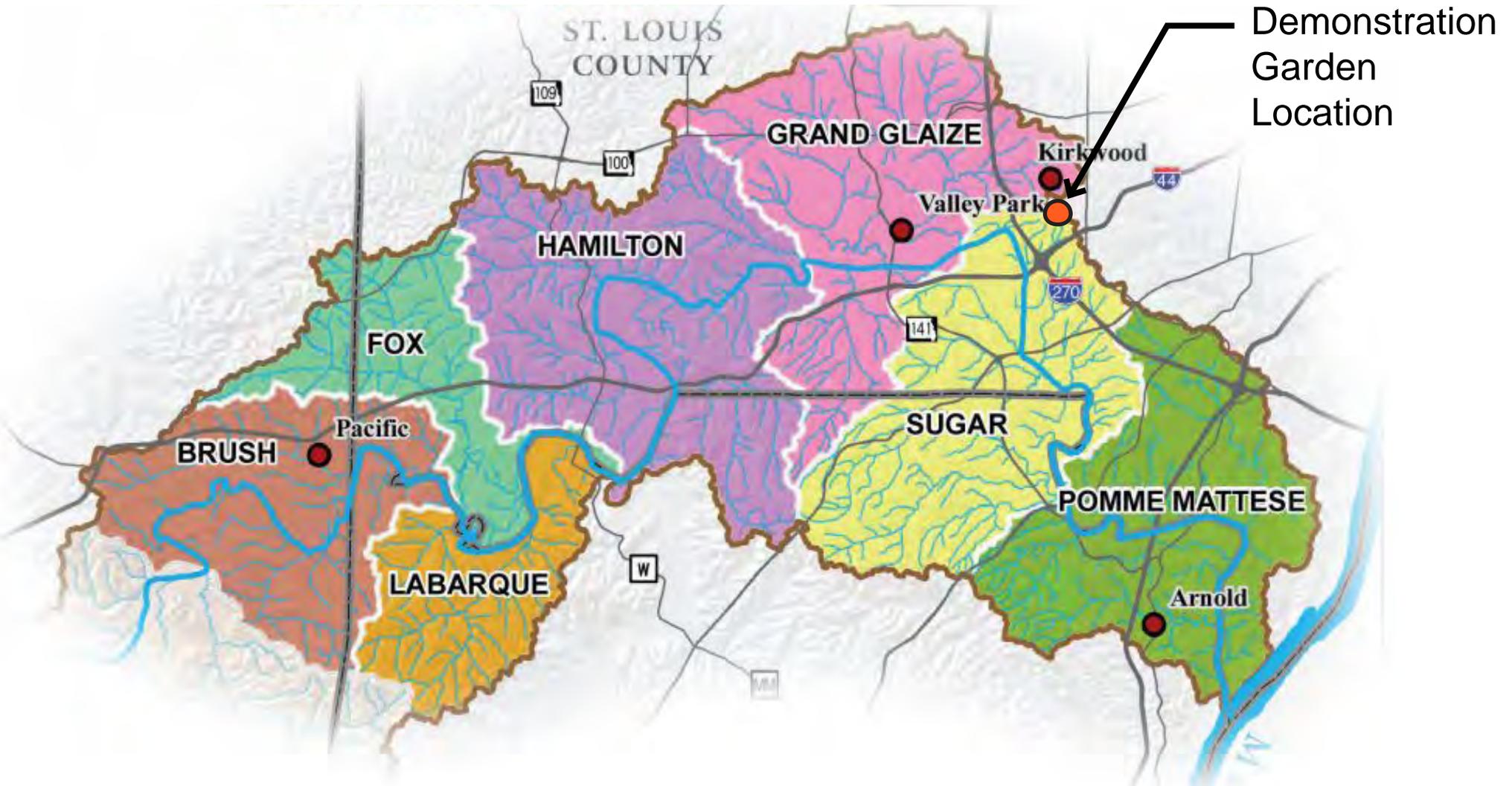
- Engage students in **best management/maintenance practices** of green infrastructure systems in hands-on setting
- **Educate students and community** about purpose and importance of stormwater management
- **Improve the environmental footprint** of the Program

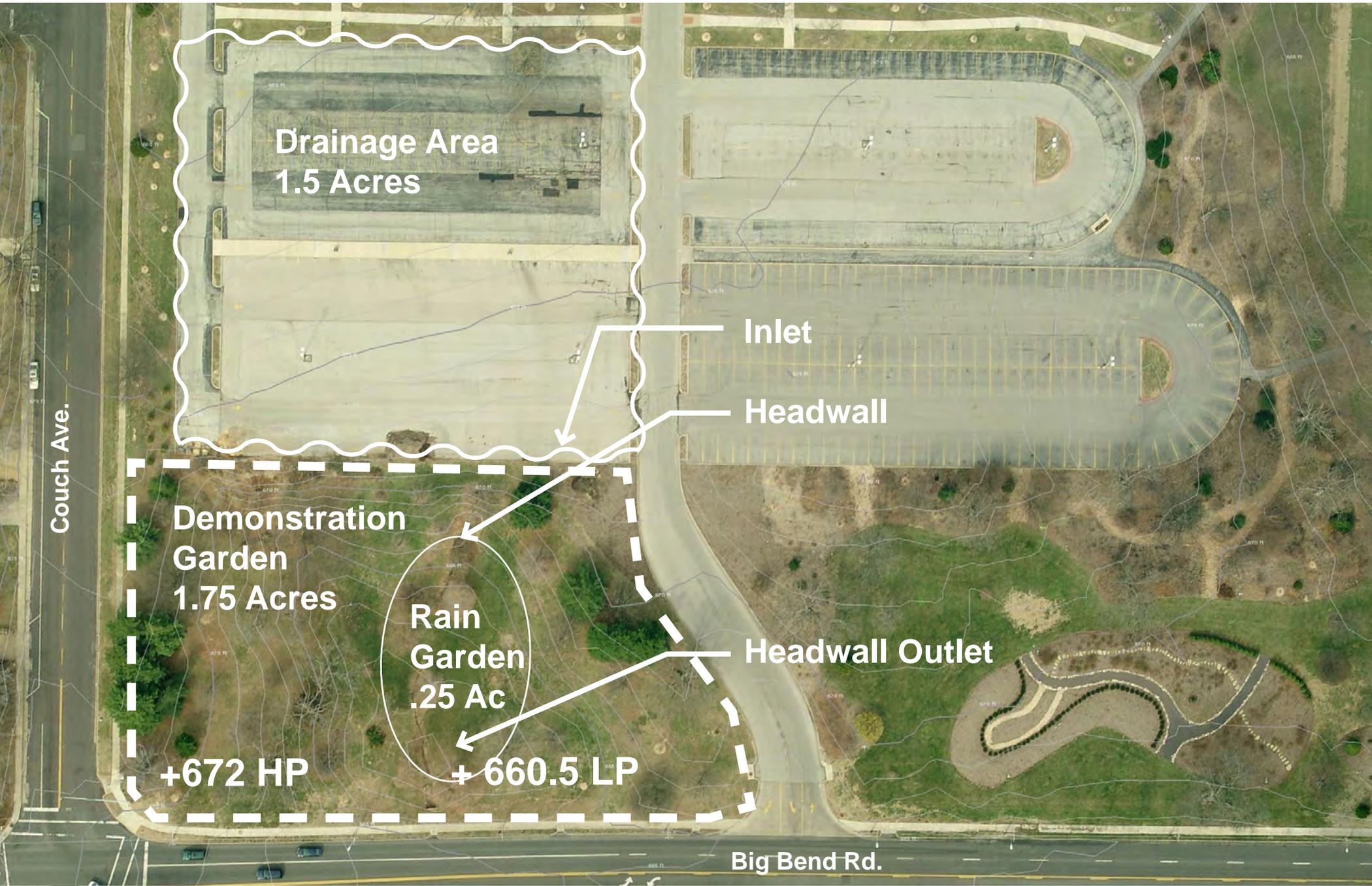
Key Elements of the Garden

- Vegetated swales
- Rain garden
- Native plantings
- Right plant, right place
- Lawn alternatives
- Water quality/quantity
- Tree canopy
- Habitat enhancement



Sugar Creek Watershed





**Drainage Area
1.5 Acres**

Inlet

Headwall

**Demonstration
Garden
1.75 Acres**

**Rain
Garden
.25 Ac**

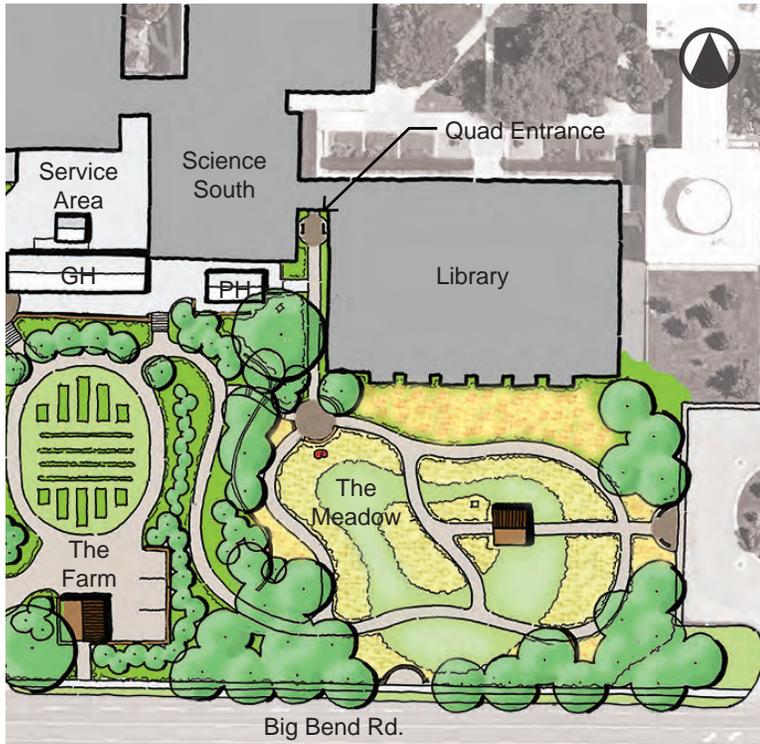
Headwall Outlet

+672 HP

+660.5 LP

Couch Ave.

Big Bend Rd.



Meadow Enlargement
N.T.S.



Proposed Phase One Meadow Installation
N.T.S.

