

# St. Olaf Framework Plan 2016

**CAMPUS DISCUSSIONS**

**APRIL 22, 2016**



# Agenda

Project Schedule

Planning Principles

Space Needs

Preliminary Scenarios

- Land Use
- Facilities
- Circulation
- Open Space
- Resiliency



# Schedule:

Upcoming Framework Plan Tasks + Dates

**4/22 Preliminary Scenario Review**

5/4 Buildings and Grounds Committee Update

5/13 Refined Scenario Review

6/27 Draft Report Review Begins



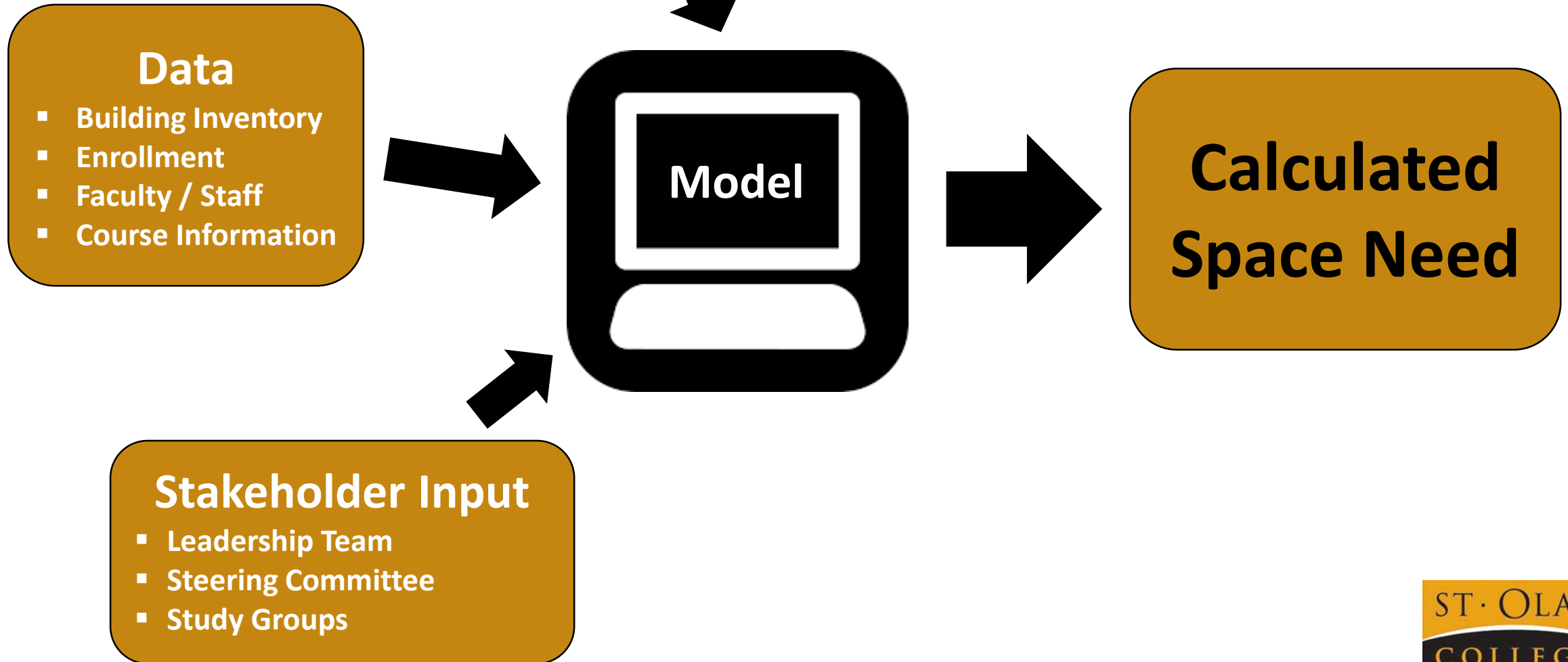
# Looking Back - Refined 1996 Principles:

1. Land Use **Zones for Similar Functions**
2. **Greenbelt**/Natural Lands in Harmony with Recreation, Research, Revenue
3. Academic **Core around the Commons**
4. Residence **Halls around the Periphery** – with Spokes to Core and Community
5. **Sports below the Hill**
6. **Welcoming Campus Entrances** (for all modes of travel)
7. **Welcoming Loop Road** with Safe Crossings and Drop-Offs
8. Safe, Secure, **Accessible Pedestrian Core** with Parking on the Edge
9. **Informal** and Concentric Development Patterns
10. **Contextual** Building Massing and Materials

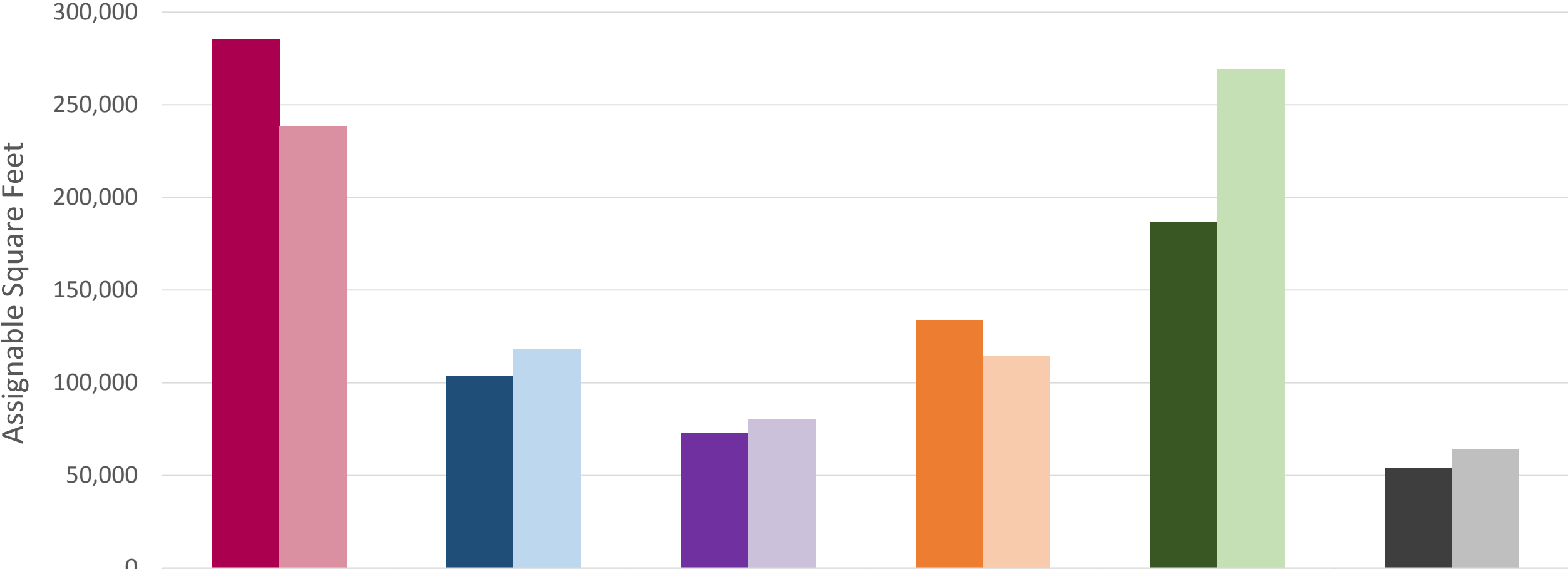
# Looking Ahead – Added 2016 Principles:

1. **Diversity on Display** – Both interior and exterior
2. **Resilient** to Change – Programs, climate, technology, funding, and economy
3. **Sustainable** Water, Energy / Food Systems / Operations
4. Build / Renovate what can be **Maintained with Excellence**
5. Operate the Campus and Programs while Emitting the Least Amount of Greenhouse Gases Practical - **Working toward zero**
6. Practice Deliberate, Iterative and **Annual Scenario Planning** - Stay current and nimble over the next few decades

# Space Analysis



# ST. OLAF CAMPUS SPACE NEEDS BY GENERAL USE CATEGORIES



	ACADEMIC: Classrooms/Labs, Research, Offices, Media, e-Learning	LIBRARY/STUDY SPACE	ADMINISTRATION	STUDENT LIFE: Assembly, Food/Retail, Lounge, Exhibition, Conf Rooms, Clinic	ATHLETICS/ RECREATION	FACILITIES SUPPORT SERVICES
CURRENT	284,981	103,768	73,057	133,694	187,091	53,933
GUIDELINE	238,333	118,451	80,600	114,315	269,340	64,019



# Scenario Review

Land Use

Facilities

Circulation

Open Space

Resiliency



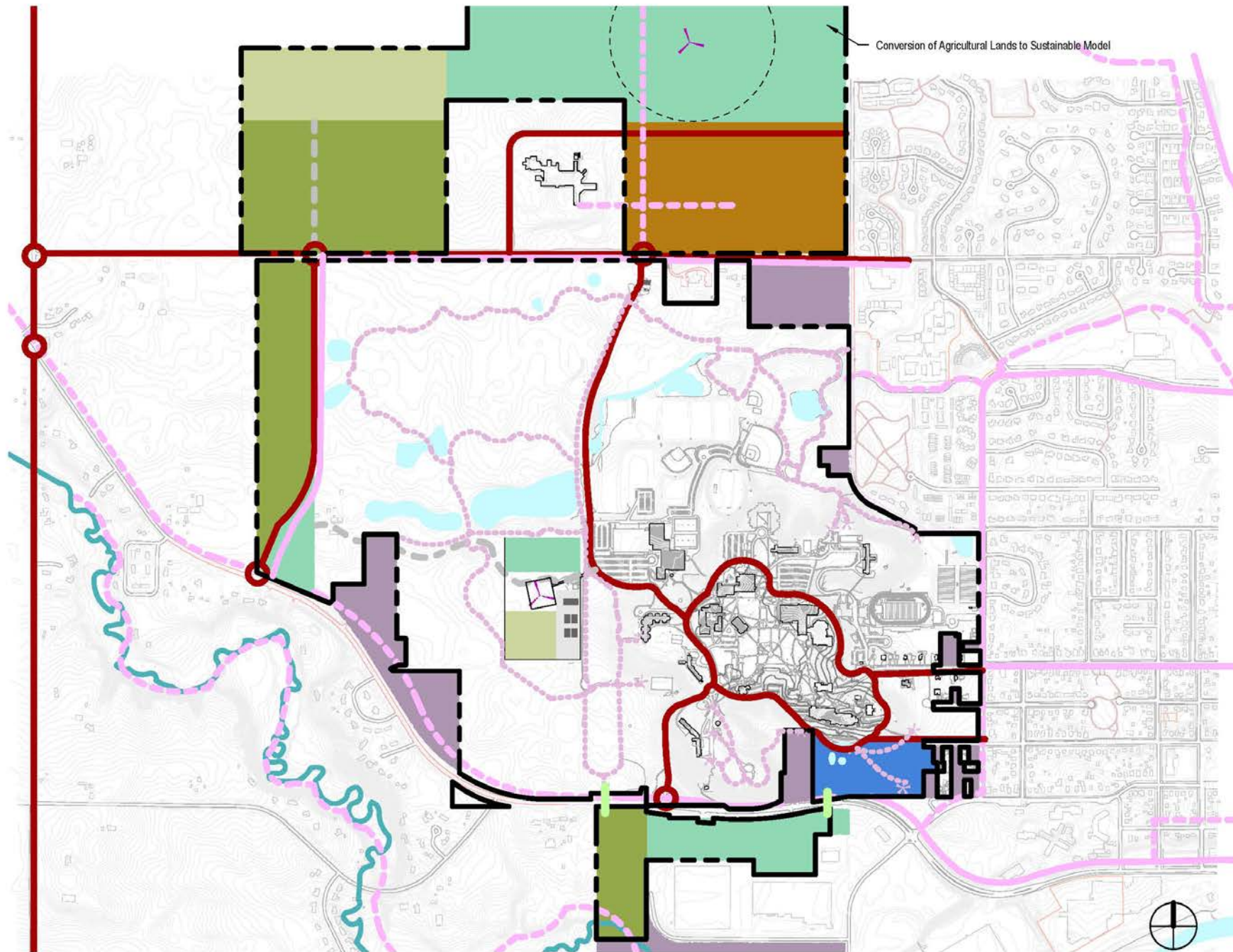


## Land Use Drivers + Opportunities

- Solar Garden
- Sustainable Agriculture / STOGROW
- Natural Vegetation
- Ole Village
- Innovation Park
- Cedar Avenue Connector
- North Avenue Connector
- 2nd Street Connector
- Northfield Arts Corridor
- Natural Lands Trailhead
- Land Acquisition / Infill







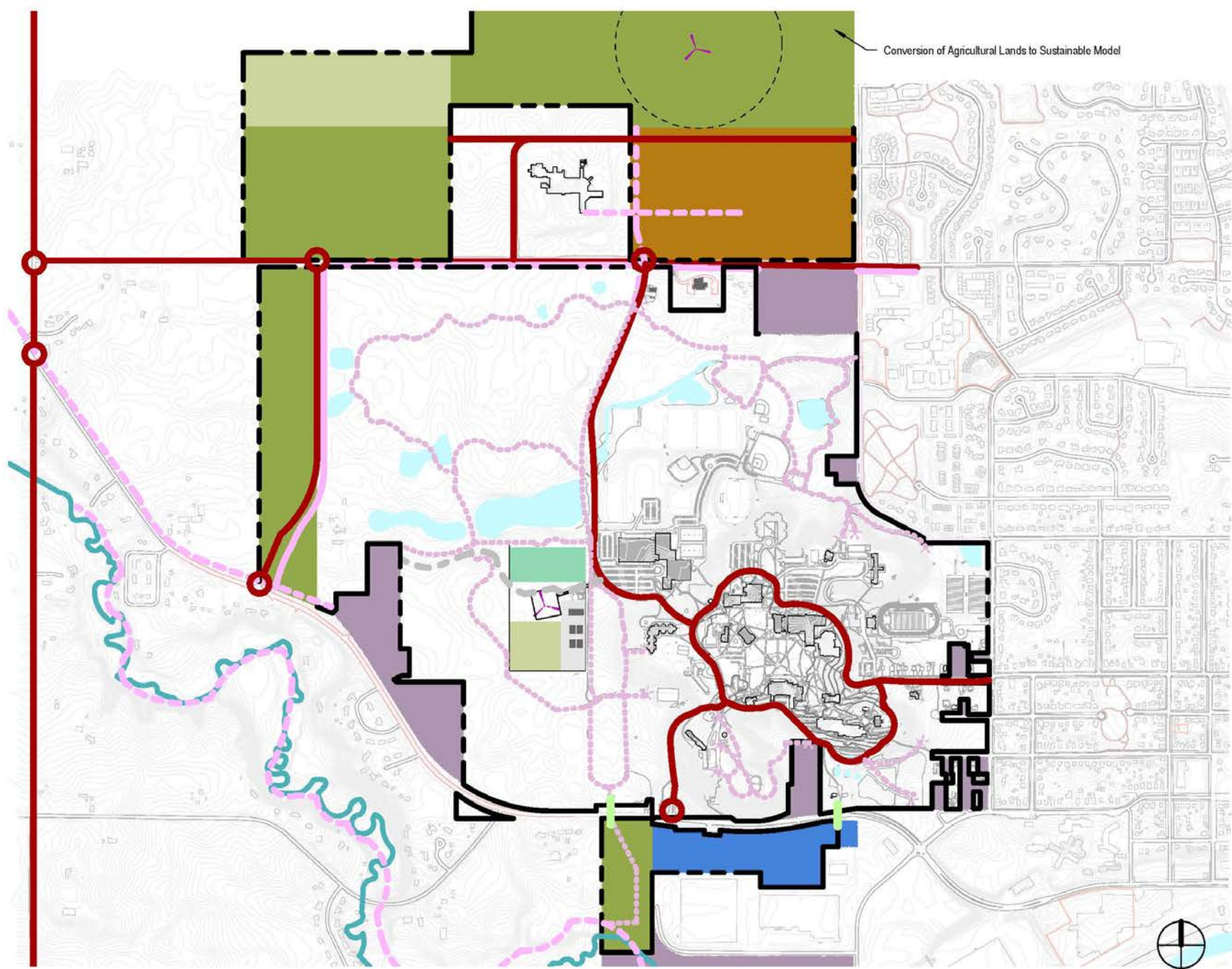
Conversion of Agricultural Lands to Sustainable Model

# LAND USE- SHOWCASE SUSTAINABILITY/ COMPACT COMMUNITY

## LEGEND

- Ole Village
- Innovation Park
- Solar Garden
- Natural Vegetation
- STOGROW/ Permaculture/  
CSA/ Intensive Ag.
- Proposed Acquisition
- Existing Trail
- Proposed Trail
- Proposed Northfield  
Greenway
- Facilities Support
- Wetlands/Water Feature
- Access Road
- Existing Building
- Pedestrian Crossing





Conversion of Agricultural Lands to Sustainable Model

# LAND USE- LINK FUNCTIONS/ CONSERVE RESOURCES

## LEGEND

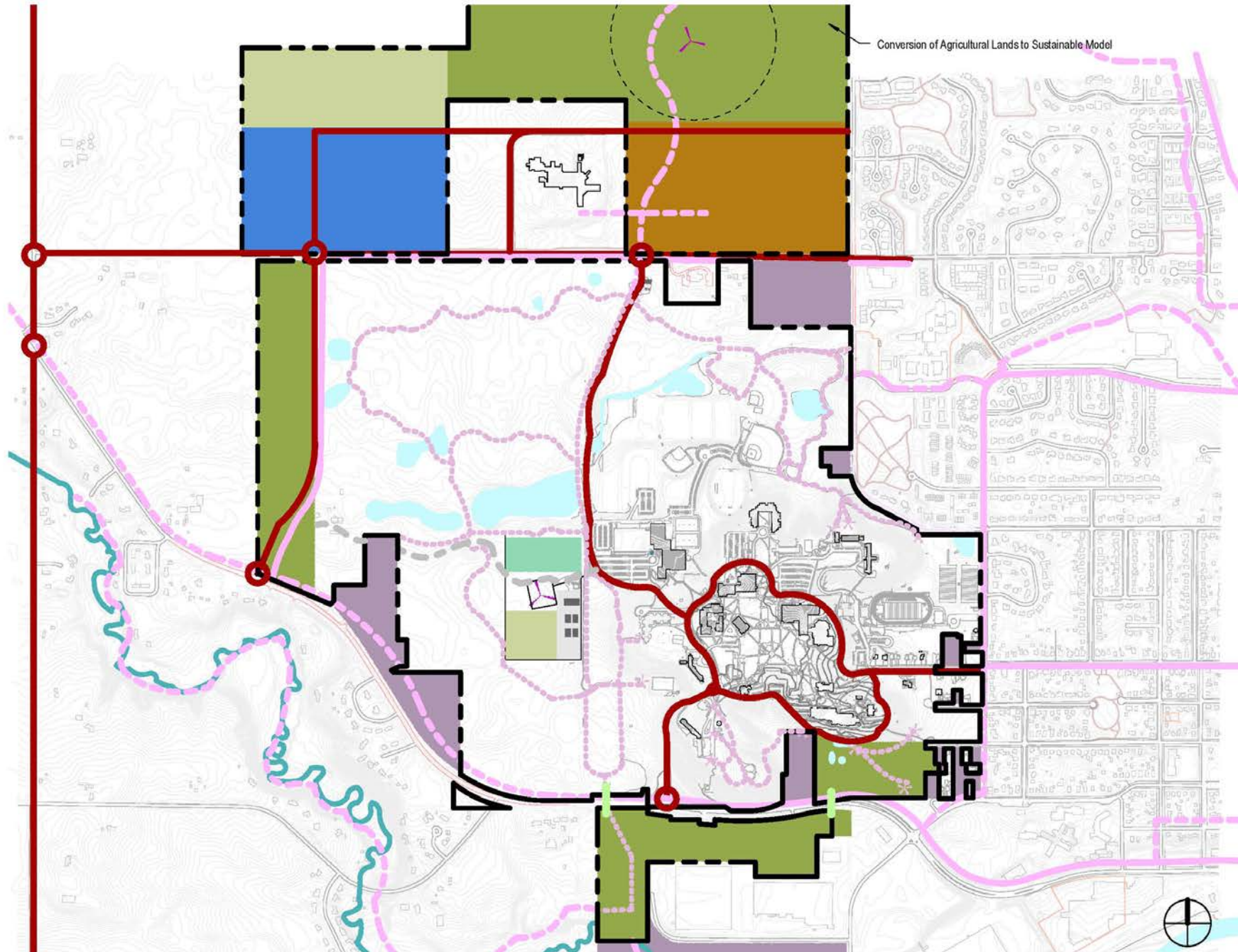
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# LAND USE - CONNECTED NORTH AVE CORRIDOR

## LEGEND

- Ole Village
- Innovation Park
- Solar Garden
- Natural Vegetation
- STOGROW/ Permaculture/  
CSA/ Intensive Ag.
- Proposed Acquisition
- Existing Trail
- Proposed Trail
- Proposed Northfield  
Greenway
- Facilities Support
- Wetlands/Water Feature
- Access Road
- Existing Building
- Pedestrian Crossing



Conversion of Agricultural Lands to Sustainable Model



## Renovation Opportunities

- Speech Theater Building
- Steensland Hall
- Skoglund Center
- Tom Porter Hall
- Christiansen Hall of Music
- Rolvaag Library
- Regents Hall Science Library
- Residence Halls





## New Facility Opportunities

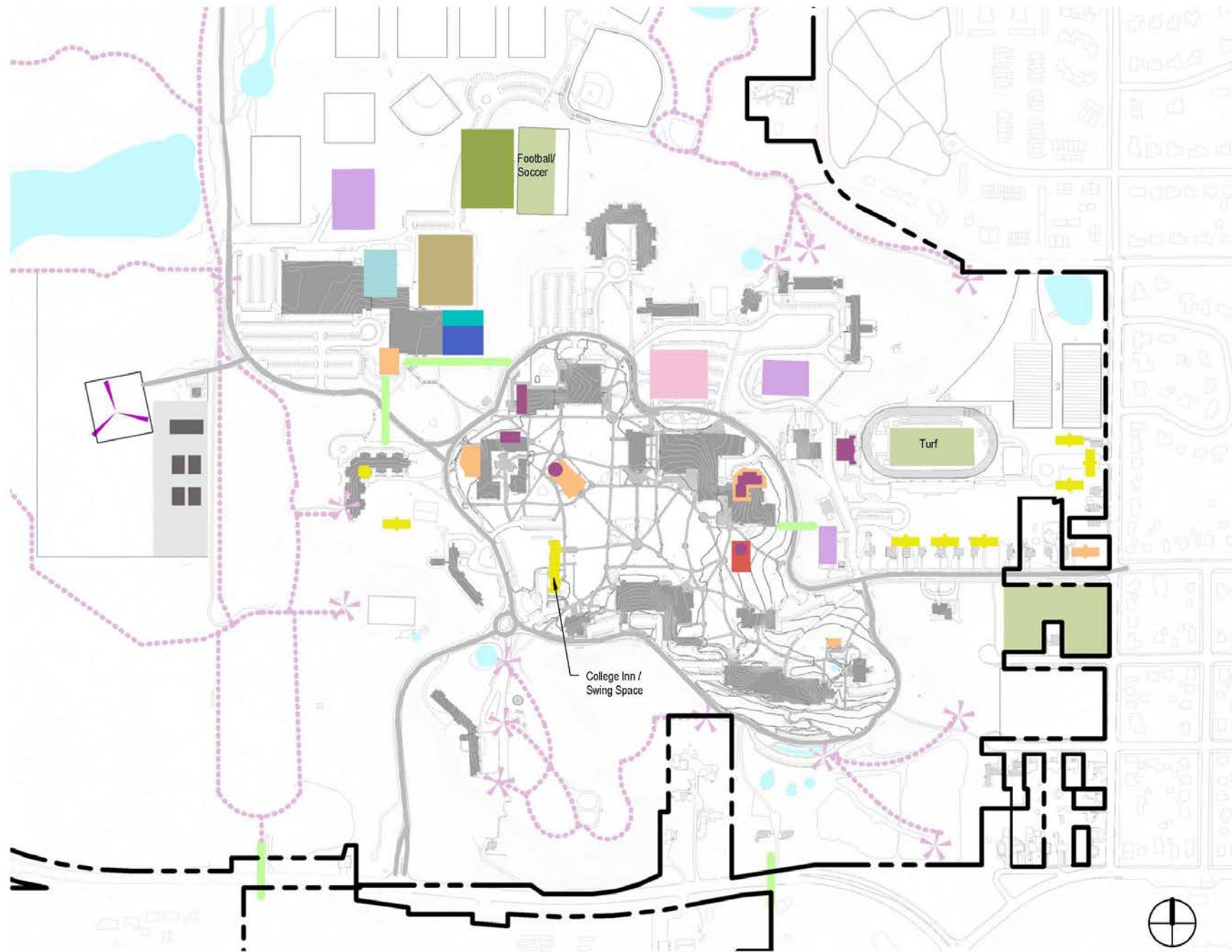
- Multipurpose Performing Arts Center
  - 900-1100 Seat Concert Hall
  - Proscenium / Thrust / Blackbox
  - Amphitheatre
- Art Faculty Studio Space
- Maker Space / Collaboration Space
- Aquatics Center
- Multipurpose Fieldhouse
- Relocated Football Field
- New Student Housing
- Replacement Parking



# EAST/NORTH DEVELOPMENT FOCUS

## LEGEND

- Collaboration/Maker Space
- Performing Arts Center
- Student Housing
- Office/Academic
- Student Life/Study
- Amphitheatre
- Optional Inflated Dome
- Sports Field
- Field House
- Athletic Support
- Ice Sheet
- Aquatics Center
- Wetlands/Storm Water Feature
- Parking
- Existing Building
- St. Olaf Property
- Campus Entry/ Loop Road
- Pedestrian Crossing
- Existing Trail





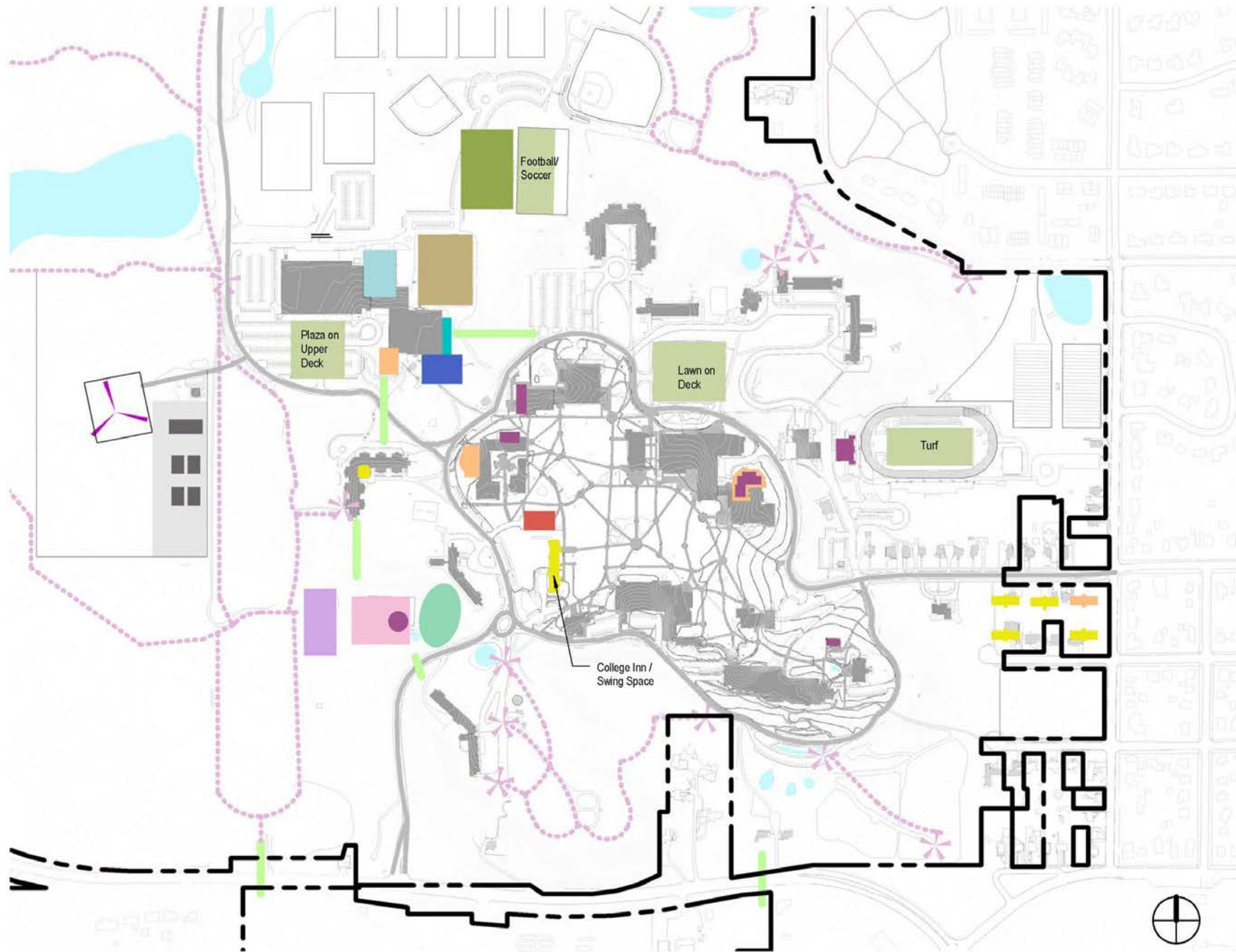
# WEST/NORTH DEVELOPMENT FOCUS

## LEGEND

- Collaboration/Maker Space
- Performing Arts Center
- Student Housing
- Office/Academic
- Student Life/Study
- Amphitheatre
- Optional Inflated Dome
- Sports Field
- Field House
- Athletic Support
- Ice Sheet
- Aquatics Center
- Wetlands/Storm Water Feature
- Parking
- Existing Building
- St. Olaf Property
- Campus Entry/ Loop Road
- Pedestrian Crossing
- Existing Trail







# GATEWAY DEVELOPMENT FOCUS

## LEGEND

- Collaboration/Maker Space
- Performing Arts Center
- Student Housing
- Office/Academic
- Student Life/Study
- Amphitheatre
- Optional Inflated Dome
- Sports Field
- Field House
- Athletic Support
- Ice Sheet
- Aquatics Center
- Wetlands/Storm Water Feature
- Parking
- Existing Building
- St. Olaf Property
- Campus Entry/ Loop Road
- Pedestrian Crossing
- Existing Trail



# Multimodal + Universal Access

- Loop Road Traffic Calming
- Expanded Pedestrian Core
- Relocated Loop Road
- Transit Hub
- Bike Share / Bike Repair Hub
- Car Share Nodes
- Balanced / Reassigned Parking

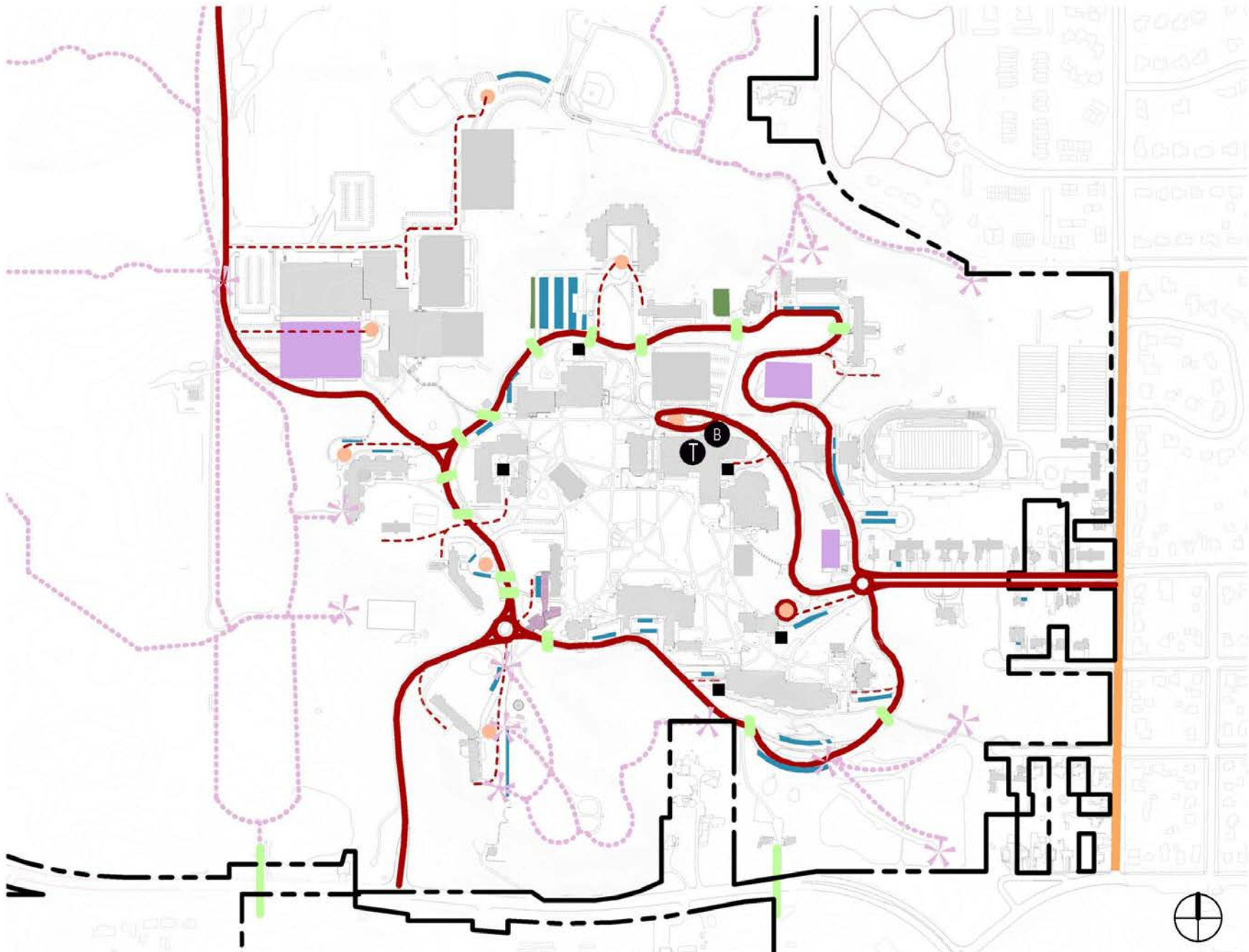


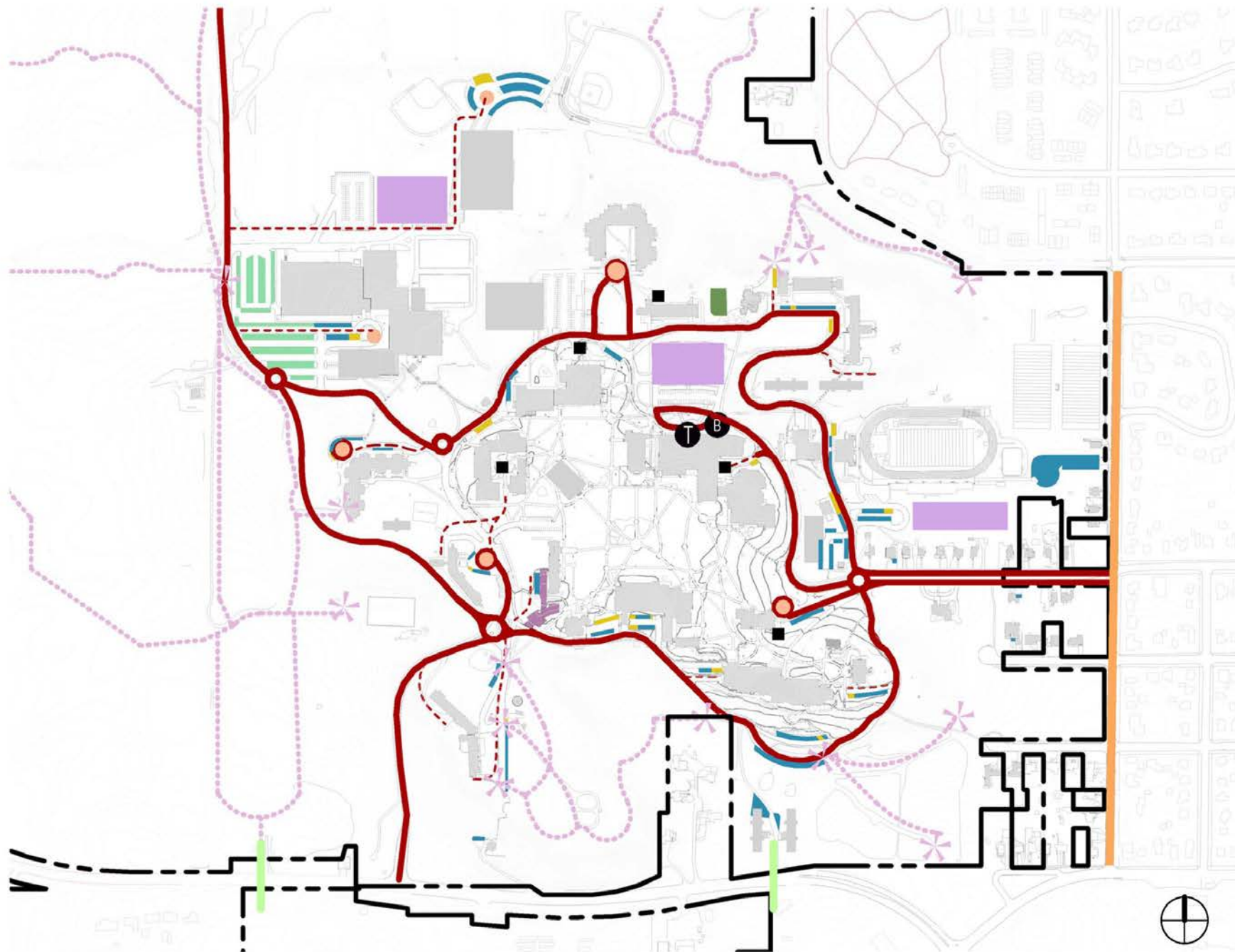


# CIRCULATION IMPROVE EXISTING LOOP

## LEGEND

- Drop-Off
- Service Node
- Transit Hub
- Bicycle Hub
- Accessible/Reserved Parking
- Faculty/Staff/Visitor
- Student Parking
- Commuter Student Parking
- Evening /Weekend Parking
- Loop Road
- Service Route
- Optional Parking Deck
- Pedestrian Table
- Existing Trail





CIRCULATION  
EXPAND  
EXISTING LOOP  
ROAD

LEGEND

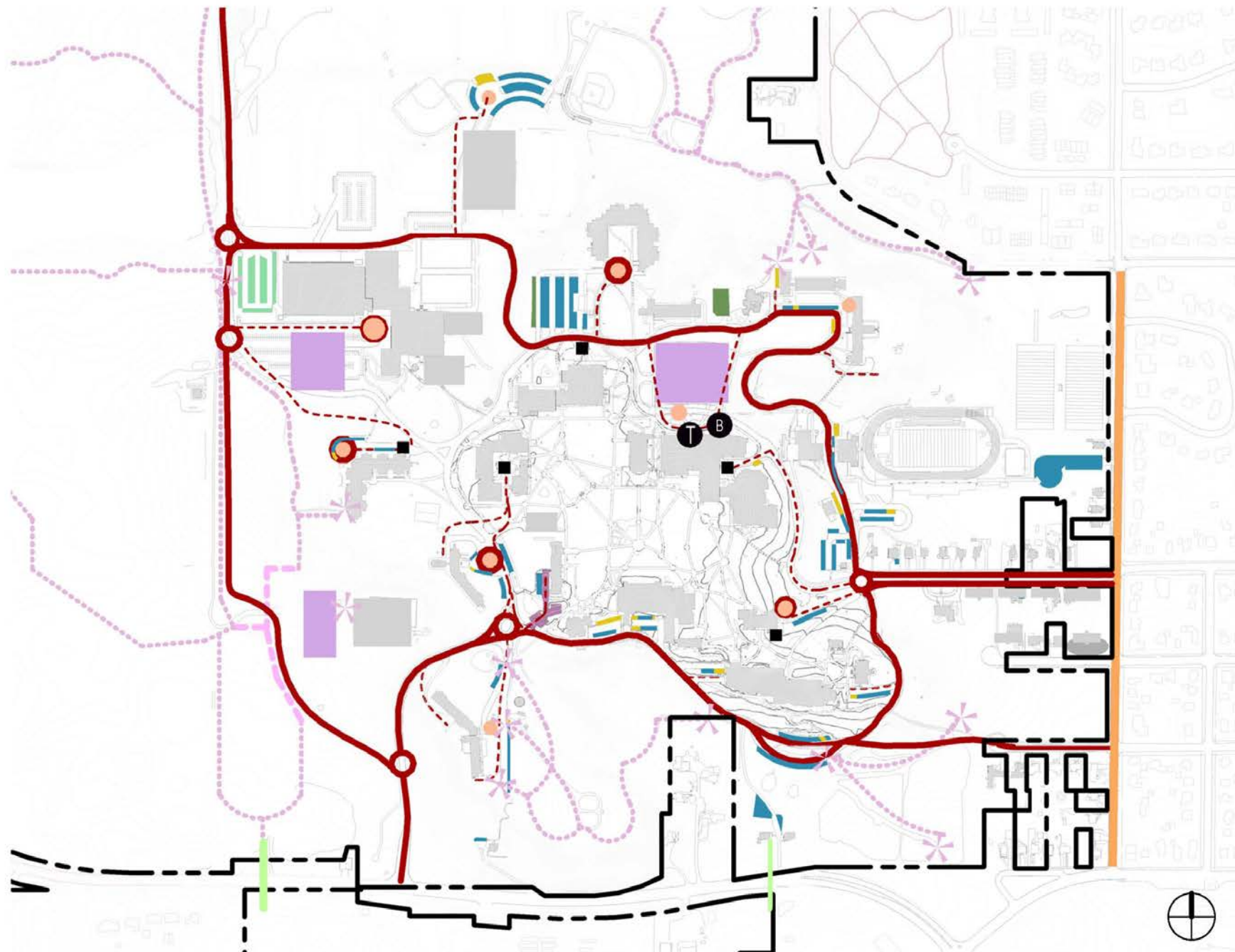
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# CIRCULATION REPOSITION LOOP ROAD AND ENTRIES

## LEGEND

-  Drop-Off
-  Service Node
-  Transit Hub
-  Bicycle Hub
-  Accessible/Reserved Parking
-  Faculty/Staff/Visitor
-  Student Parking
-  Commuter Student Parking
-  Evening /Weekend Parking
-  Loop Road
-  Service Route
-  Optional Parking Deck
-  Pedestrian Table
-  Existing Trail



# Open Space Opportunities

- “Missing Walkways”
- Public Art
- Outdoor Study Hubs - 4 to 8 seats
- Outdoor Classrooms - 20 seats
- Amphitheatre
  - 850 seat formal capacity
  - 4000 seat informal capacity
- Multipurpose Turf
- Stormwater Management Features

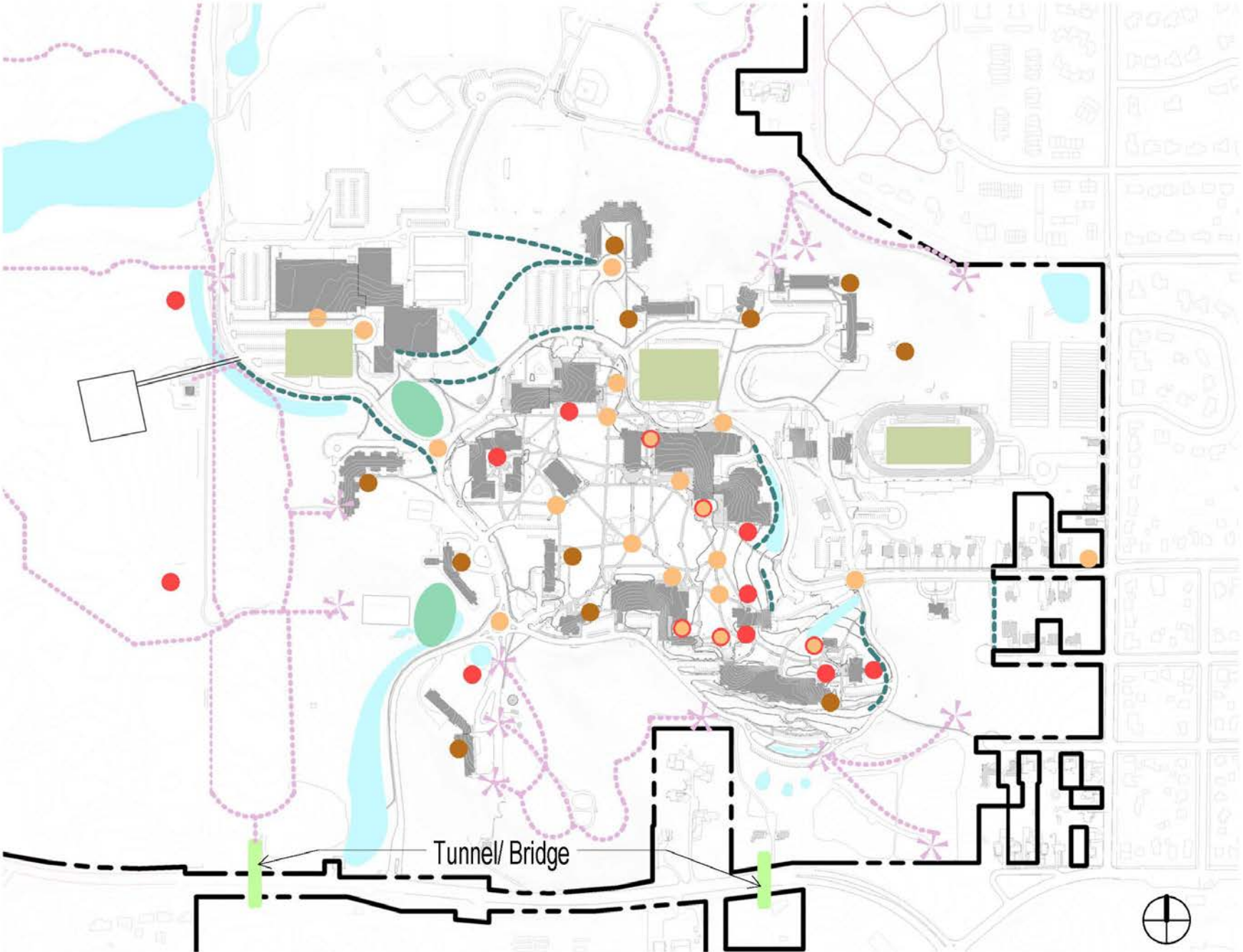




# OPEN SPACE OPPORTUNITIES

## LEGEND

- Outdoor Classroom (Seating for 20-25)
- Public Art/ Landmark
- Study Hub (Seating for 8-12)
- Pedestrian Crossing
- Storm / Water Feature
- Recreational Turf
- Existing Building
- Existing Trail
- Proposed Trail
- Proposed Walking Path
- Potential Amphitheatre



Tunnel/ Bridge





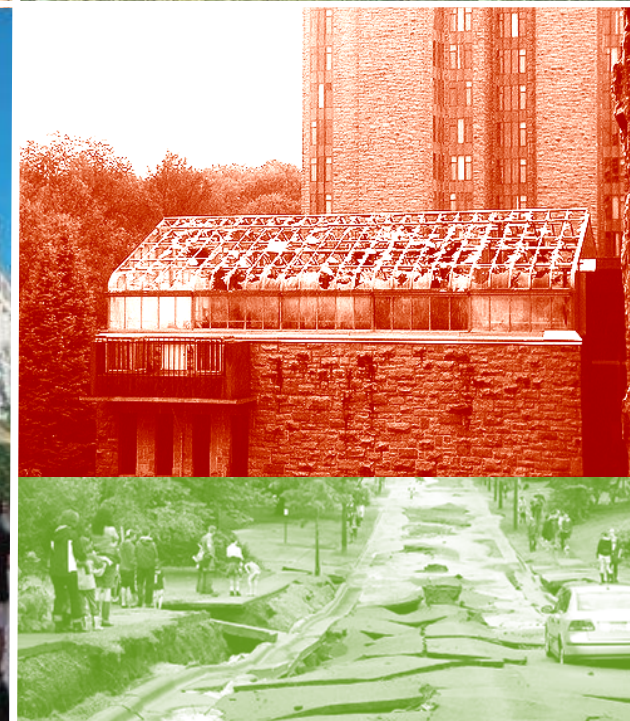
# Resilient Campus Planning

People, Buildings, Open Space,  
Infrastructure that are:

Shock Resistant  
Healthy  
Adaptable  
Regenerative

Through a combination of:

Diversity  
Foresight  
Self-organization  
Learning





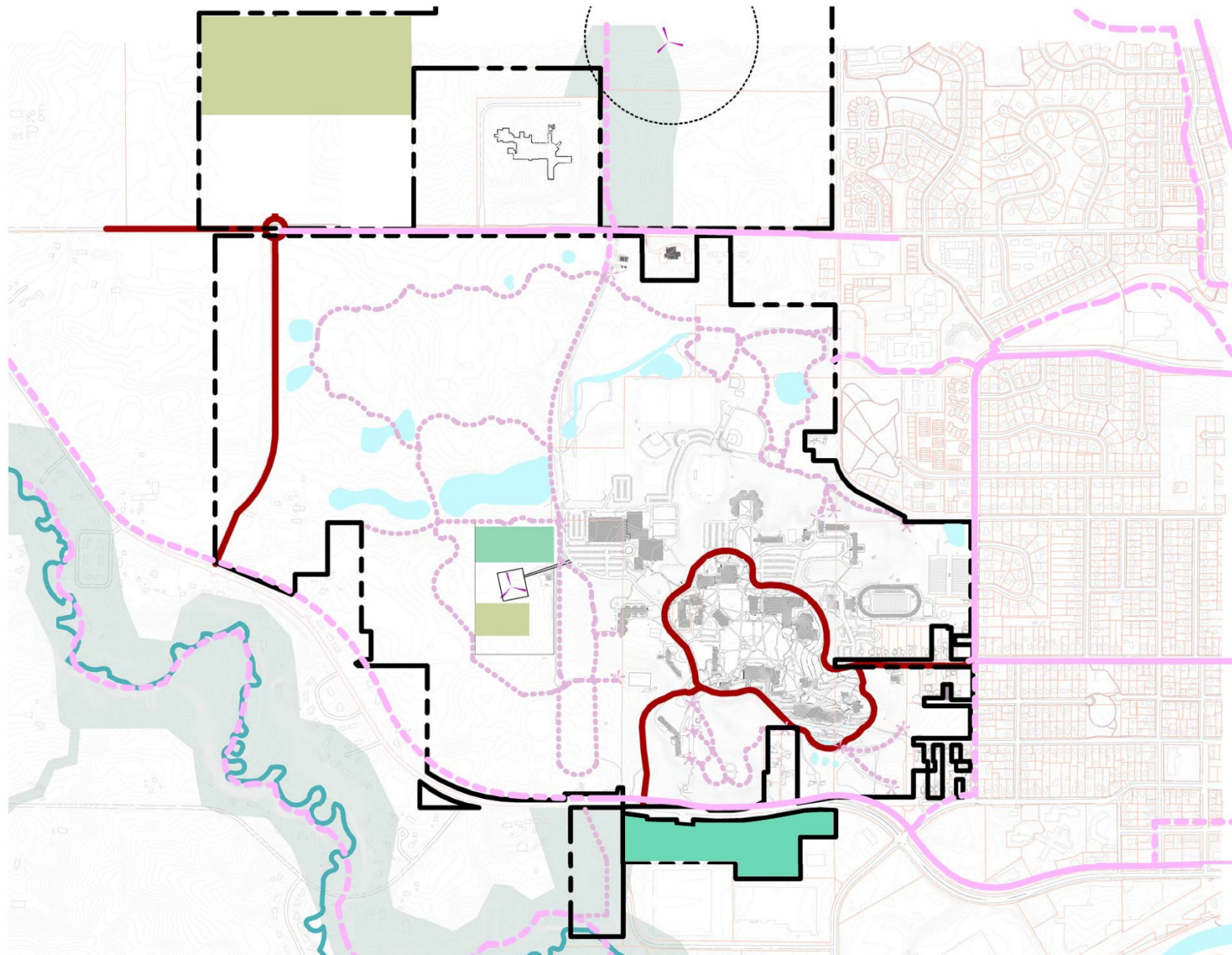
# Facilities Scale

Resiliency + Sustainability



- Walking/ Biking Art Route
- Electric Car Sharing
- STOGrow/ Permaculture/ CSA/ Intensive Ag
- Composting
- Food Prep, Canning/Freezing + Storage
- Wind Turbine
- Water to Hydrogen Production + Storage
- Solar Garden
- Solar Hot Water
- Emergency Supply Locations
- Emergency Shelter Locations
- Emergency Intranet Communication Hubs
- Extreme Rain Management
- Cultural + Ecological Interpretive Art
- Other





# Land Use Scale

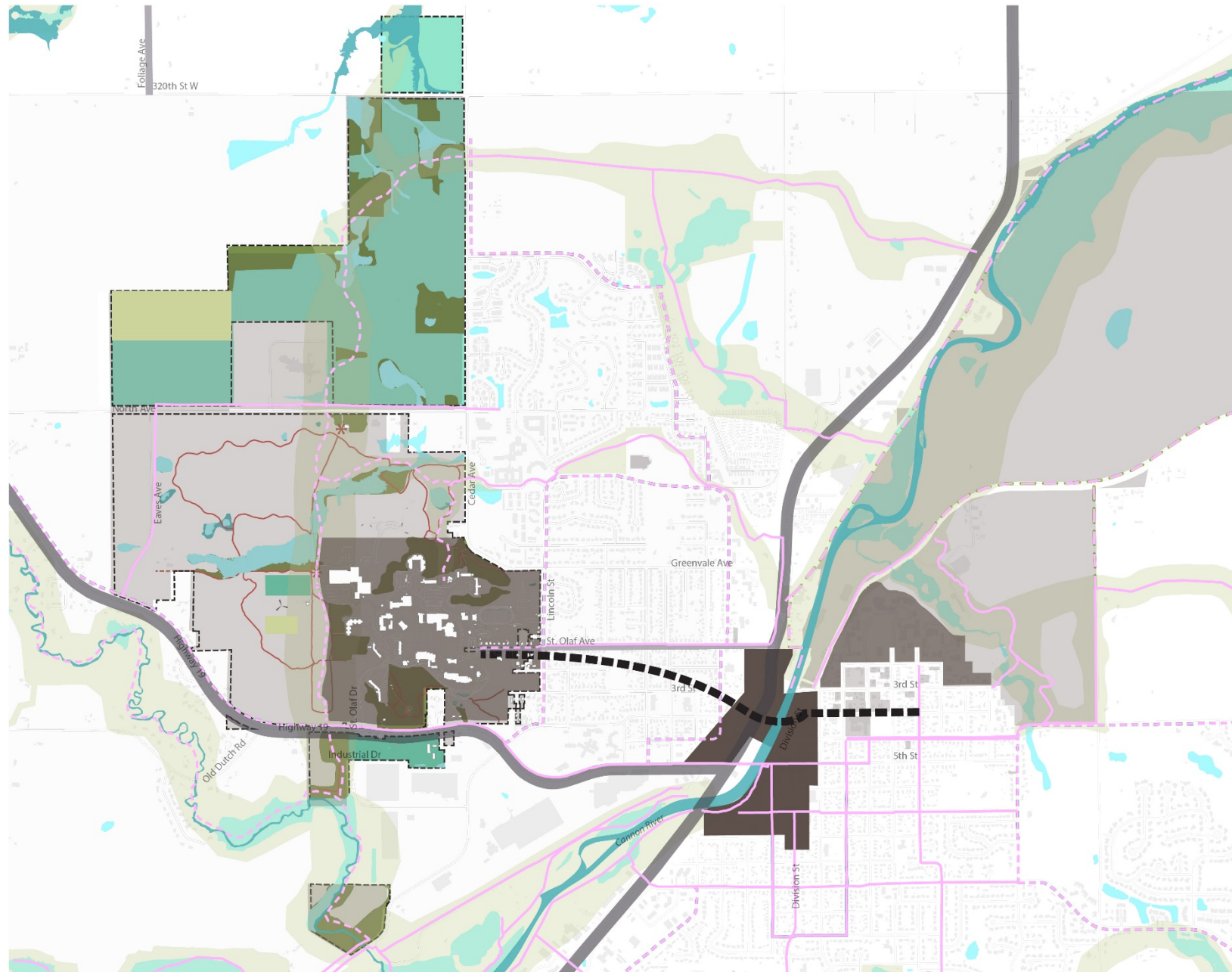
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# Community Scale

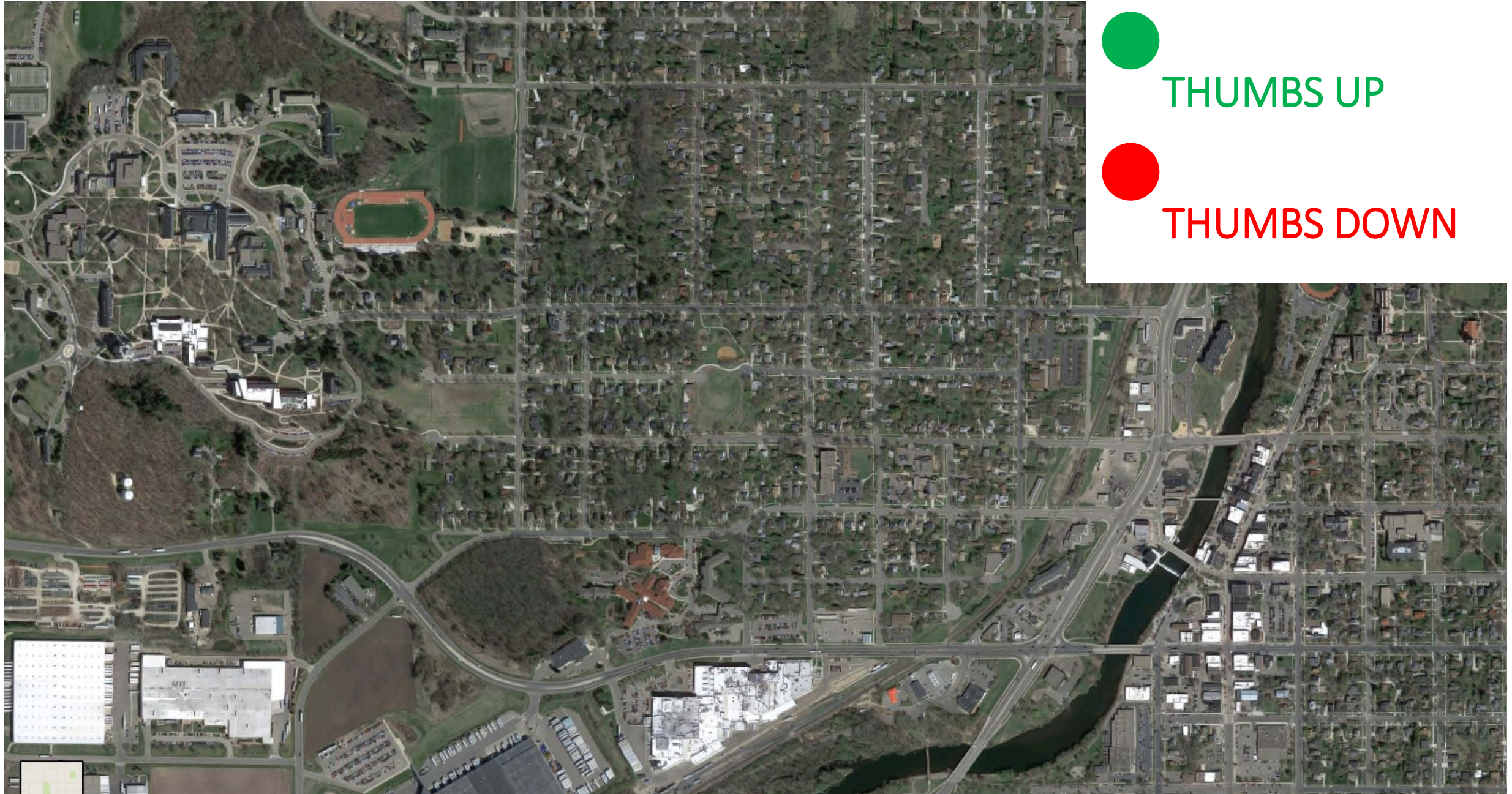
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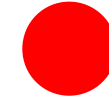
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# Table Discussions and “Dotmocracy”



THUMBS UP



THUMBS DOWN