

Michigan State University

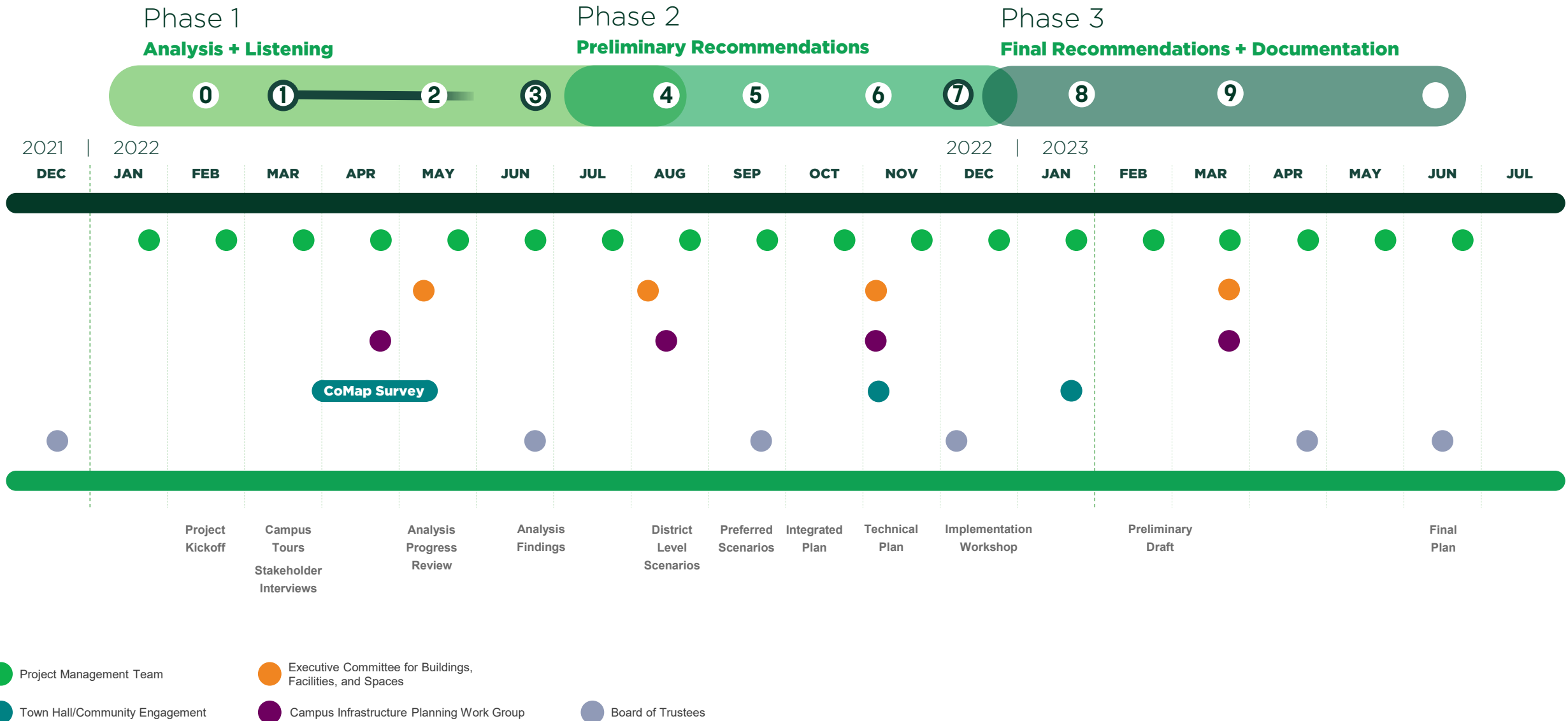
University Facilities and Land Use Plan



Agenda

- Process + schedule update
- Past and upcoming meetings
- Listening Sessions: recurrent themes
- Preliminary CoMap survey findings
- Physical Analysis
- Draft Planning Principles

Schedule



Listening Sessions

79

listening
sessions and
tours to date

627

stakeholders to
date

ASMSU Housing Tour James Madison COM Music
Baker Wood Lot Tour Business Honors UACOR
Athletics Tour AgBio Tour AUTTC RHA Engineering COGS Placemaking
IM Sports Tour President Stanley RHS Leadership Human Medicine
International Studies Natural Sciences Health Sciences Lyman Briggs
Libraries Education Social Science Vet Med CODD Alumni Leaders
Comm Arts EVPA CNA3C Student Leaders CATA
Outreach + Engagement Arts & Letters RCAH RESH CIPWG CANR
Campus Services UCUE MSU Foundation Law PACDI Research & Innovation
PDC Building Commissioning CORD MSU Health Care Land Use
Enrollment + ASP Undergraduate Education

LISTENING SESSIONS

Recurrent Themes

State Context

- **MSU's presence in regional hubs like Detroit, Flint, and Grand Rapids are important components to expanding the missions of research, education, and outreach.**
- **Several units would like a clearer roadmap on how to better leverage extension offices or locations for convening research and delivering unique curricular offerings, especially around community health, agriculture, and manufacturing.**
- **As a public institution, MSU's strength is the ability to cultivate future leaders suited to meet the needs Michigan's unique conditions; how do we deliver curricular and co-curricular offerings that embed students across the state?**
- **The East Lansing campus has a strong sense of place – how does MSU improve sense of connectivity to other locations?**

Connectivity

- **Strong automobile-centered transportation patterns could be improved through rethinking parking, transit operations, and improved pedestrian experience**
- **Transit system does not necessarily align with demand; consider improvements to routings to better connect geographically dispersed parts of campus.**
- **Balance provision of parking near Central Campus with need to add density and improve connectivity around an area that many would otherwise see as the hub of campus.**



Campus Experience

- Across most units, strong desire for spaces that support interdisciplinary gathering and collaboration.
- While Library captures some informal study space needs, demand for quiet and loud study will persist across the geographically dispersed campus.
- There is a bit of a “haves” vs “have-nots” experience in terms of community space – some areas of campus have notable new construction and renovation which greatly improves the sense of community while others are lacking.

Research + Innovation

- **Strong demand for facilities that support cross-cutting research, particularly around climate change and community-based translational research.**
- **Need on-campus touchdown space for partners to work with students as well as more long-term incubator (or step-out) space for alumni.**
- **Most prominent partnership needs are related to health sciences, agriculture, data science, manufacturing, and food production.**
- **Locations in Flint, Grand Rapids, and Detroit are critical to research growth in Health Sciences, Biomedical Engineering, and the Social Sciences.**
- **How MSU meets needs of long-term external partnerships should balance opportunity to consolidate on a site like Spartan Village with ability to embed in more centrally located spaces on campus.**

Teaching + Learning

- COVID resulted in long-lasting changes to instructional delivery – focus will be on experiential learning and spaces for discussion and collaboration outside of formal learning environments.
- Hybrid delivery has increased demand for small study rooms for students to participate in online-learning across the spectrum of campus spaces.
- Strong demand for more interdisciplinary spaces within or between major clusters of buildings.
- Spaces for accessing digital or virtual resources could be better distributed throughout the residential neighborhoods.
- New STEM building is a good example of the range of spaces needed in future instructional buildings.

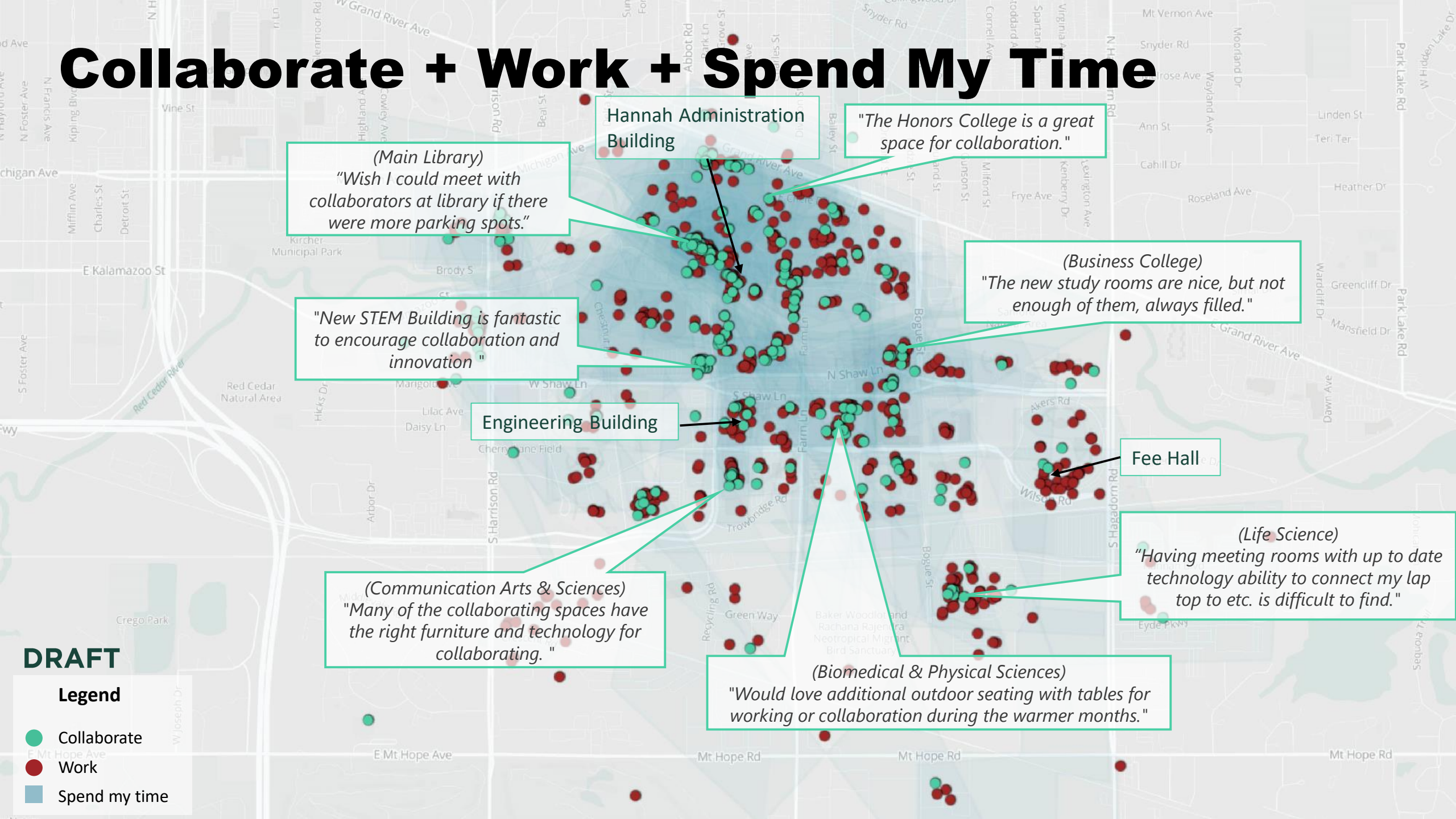
Student Experience

- The MSU Union is small, under-leveraged, and near campus edge.
- MSU could benefit from campus welcome center for prospective students and families.
- The Service Center model within residential neighborhoods successfully supports student success and well-being; could be expanded to areas where students live off-campus.
- First- and second-year live-on requirement central to student experience; some concerns around ability meet demand as enrollment grows and demands for renewal to remain competitive with peers.
- Increasing demand for centralized, high-touch delivery of student enrollment and financial services.

COMAP SURVEY

Preliminary Findings

Collaborate + Work + Spend My Time



Hannah Administration Building

"The Honors College is a great space for collaboration."

(Main Library)
"Wish I could meet with collaborators at library if there were more parking spots."

(Business College)
"The new study rooms are nice, but not enough of them, always filled."

"New STEM Building is fantastic to encourage collaboration and innovation"

Engineering Building

Fee Hall

(Communication Arts & Sciences)
"Many of the collaborating spaces have the right furniture and technology for collaborating."

(Life Science)
"Having meeting rooms with up to date technology ability to connect my laptop to etc. is difficult to find."

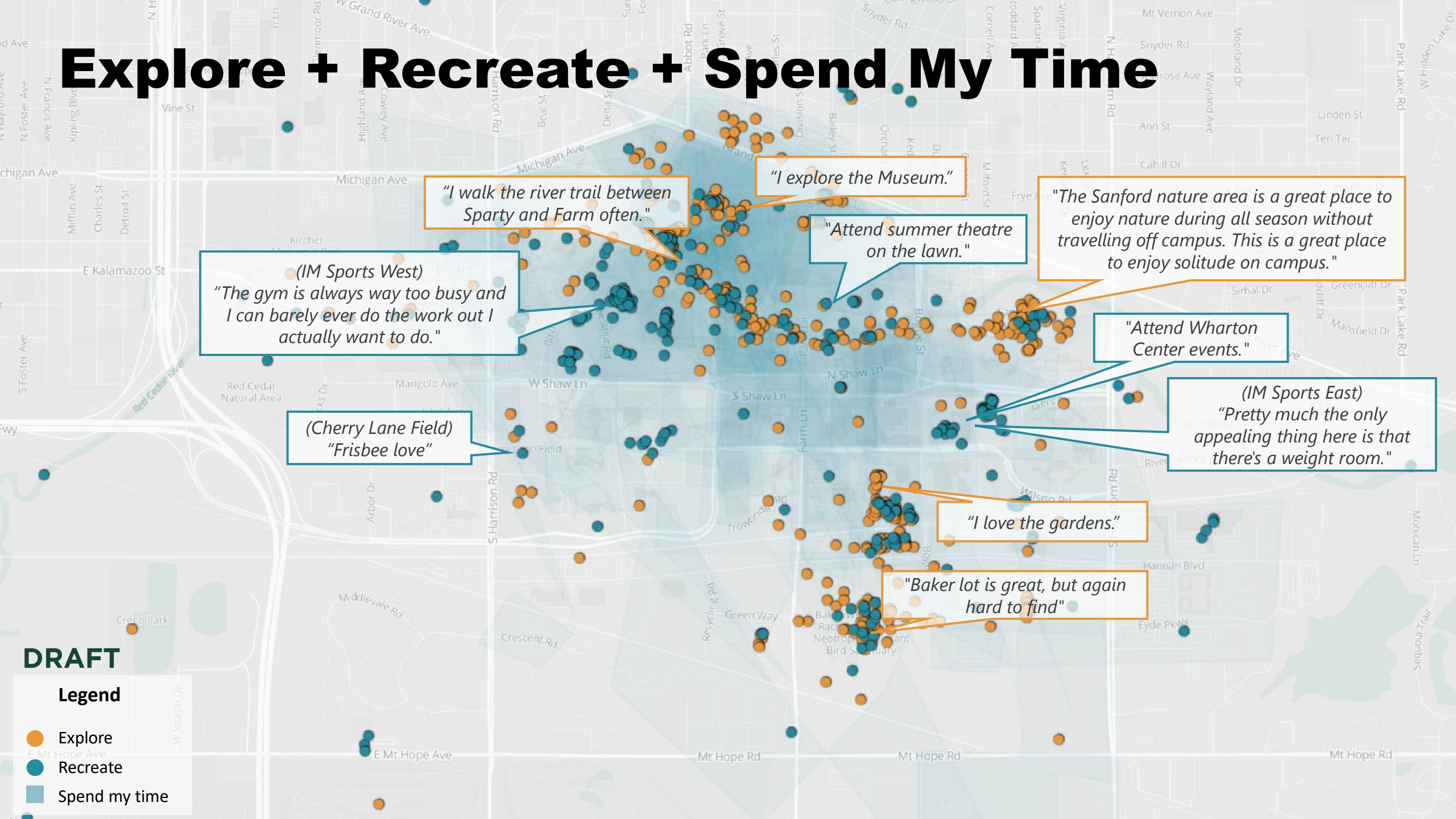
(Biomedical & Physical Sciences)
"Would love additional outdoor seating with tables for working or collaboration during the warmer months."

DRAFT

Legend

- Collaborate
- Work
- Spend my time

Explore + Recreate + Spend My Time

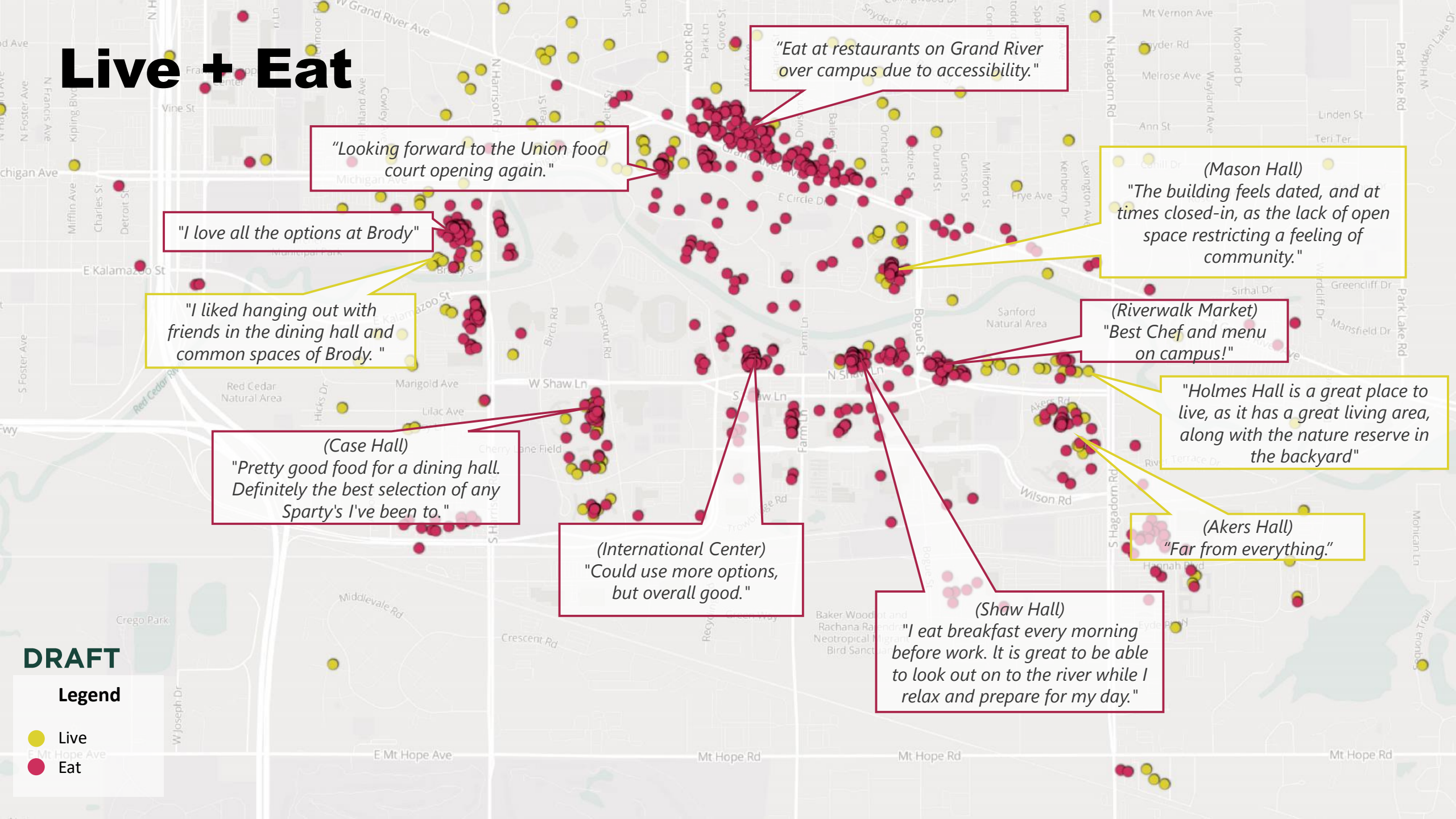


DRAFT

Legend

- Explore
- Recreate
- Spend my time

Live + Eat



DRAFT

Legend

- Live
- Eat

In Need of Improvement

"The MSU Union is not a true union...The building is pretty, but it is not functional and not a place to gather."

"IM West is WAY too small, and the empty pool outside is such an eyesore."

"This parking lot should be made smaller and converted to green space."

"South Kedzie needs serious updates (e.g., electrical, heating/cooling, cosmetic)."

"More lights on path behind residential halls."

"Surface parking lots should have a combination of conversion to green space + useable buildings. Very big waste having these in the middle of campus!"

"It's just really bland over here. Nothing exciting is over here and there's really no reason to go here unless you have class here or live around here."

"The Chemistry Building needs renovation. Modern laboratory spaces will support safer work and will help with recruiting."

"This area of campus needs an option for lunch."

"The ERC is just way too far from the other STEM related buildings, and there is no public transport here."

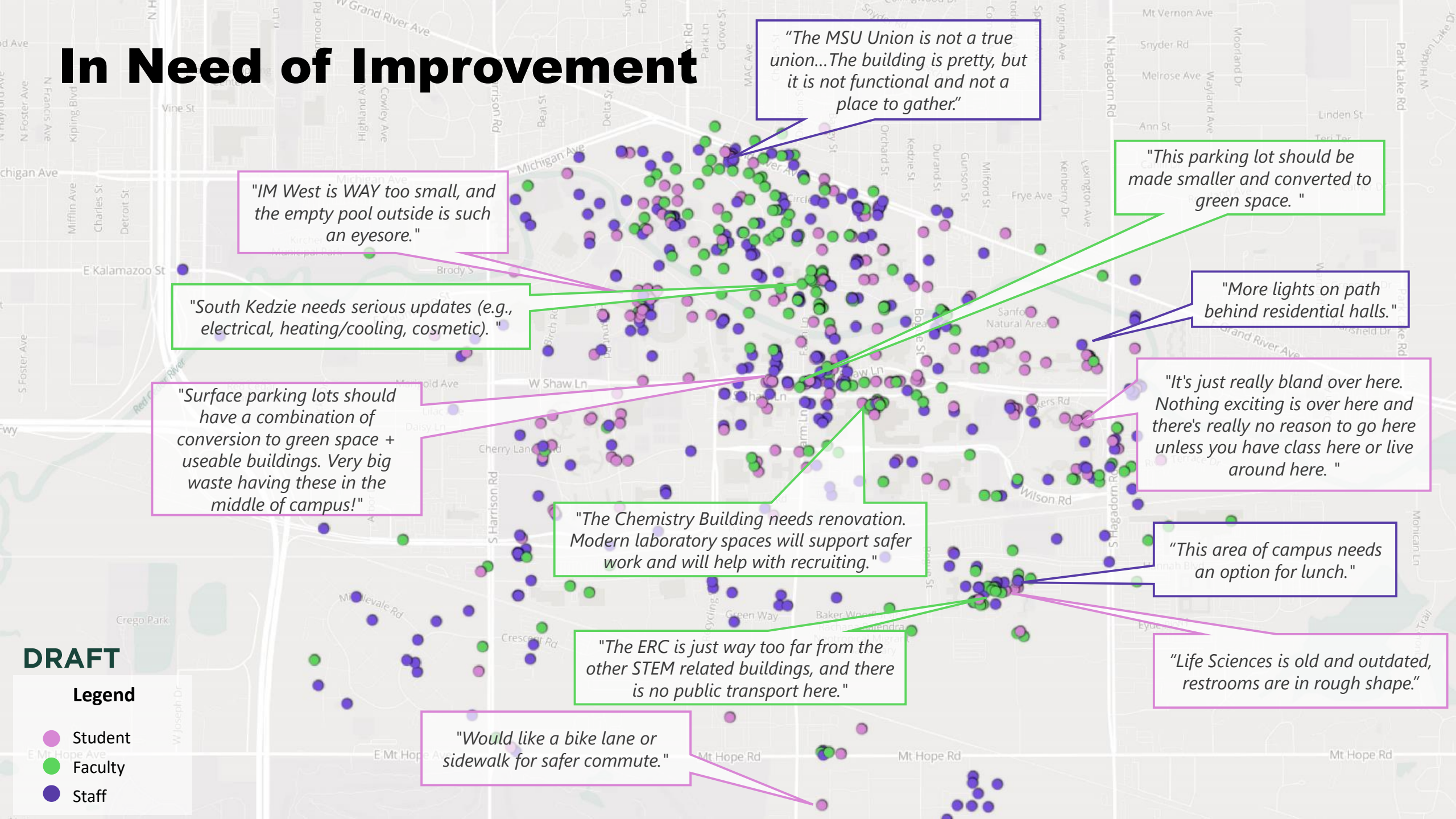
"Life Sciences is old and outdated, restrooms are in rough shape."

"Would like a bike lane or sidewalk for safer commute."

DRAFT

Legend

- Student
- Faculty
- Staff



Hard to Reach + CATA + Drive

"It can be hard getting to and from the Union using the bus, as some routes just don't intersect."

"Parking is difficult in this area of campus."

"Brody is served by relatively few buses, and walking there takes ~20 minutes."

"There is no point to having dorms so far away from all the action in the heart of campus which tends to be north campus."

(Molecular Plant Sciences)
"I work here but it's hard to figure out a safe way to bike here from the river trail."

"It is really challenging to get over to HR to do just about anything, unless you have a car."

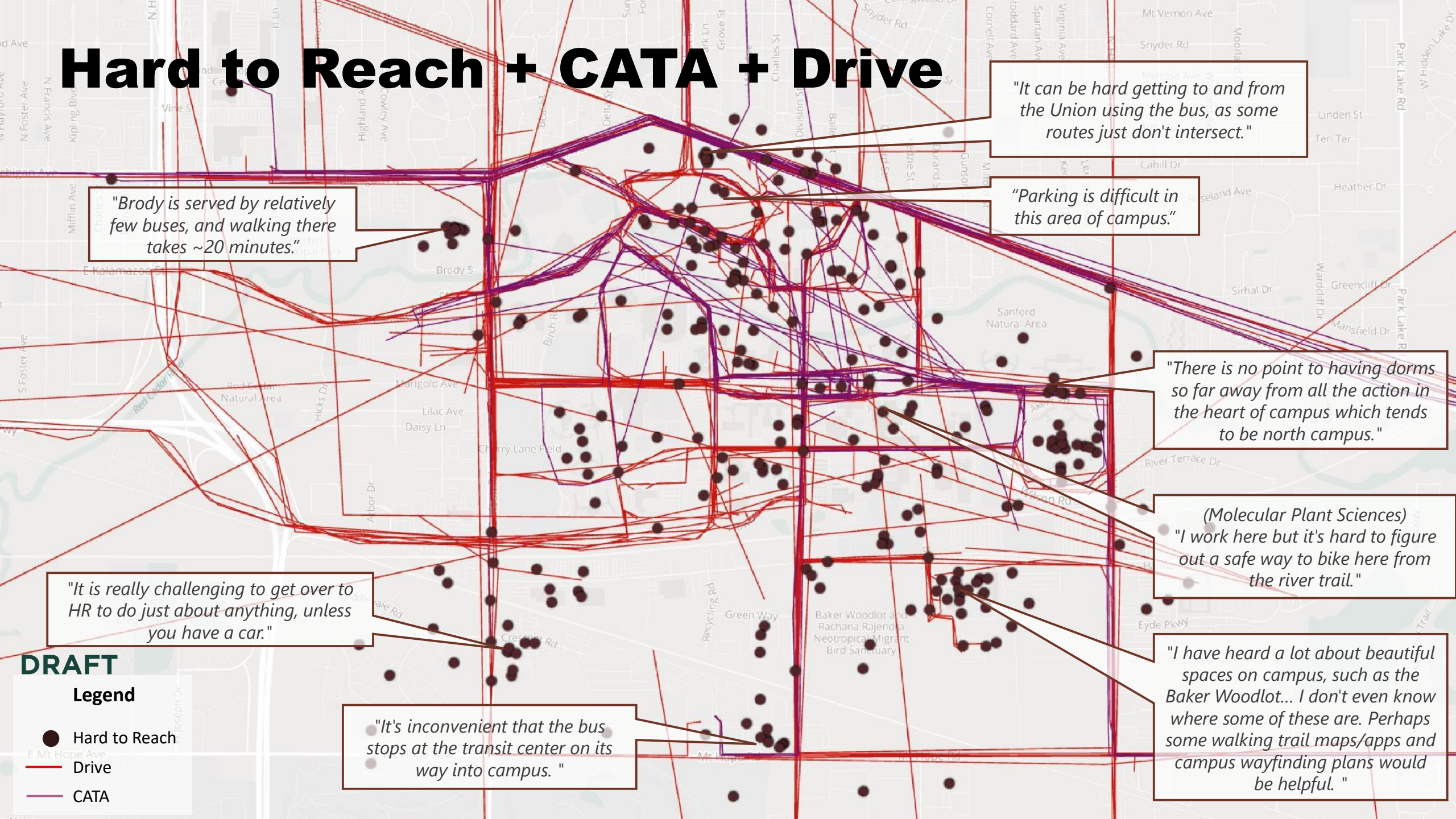
"I have heard a lot about beautiful spaces on campus, such as the Baker Woodlot... I don't even know where some of these are. Perhaps some walking trail maps/apps and campus wayfinding plans would be helpful."

"It's inconvenient that the bus stops at the transit center on its way into campus."

DRAFT

Legend

- Hard to Reach
- Drive
- CATA



CAMPUS ANALYSIS

Preliminary Findings

Historic Context

Pre-1855



Michigan State University occupies the ancestral, traditional, and contemporary lands of Anishinaabeg – Three Fires Confederacy of Ojibwe, Odawa, and Potawatomi peoples. The university resides on land ceded in the 1819 Treaty of Saginaw.

1855 - 1899



677 Acres

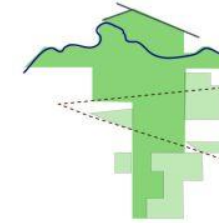
- 677 acre tract selected in 1855 as the campus site
- The College was formally dedicated and opened in May 1857; land to the south of the Red Cedar River was an "Indian encampment"

1900 - 1924



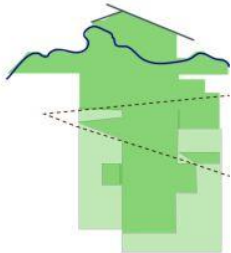
- In 1906, MSU hires landscape architect O.C. Simonds who reaffirms the naturalistic landscape as core to the historic North campus.
- By 1911 the College had 30 departments, and student enrollment reached 1,700; demand for campus buildings grew accordingly

1925 - 1934



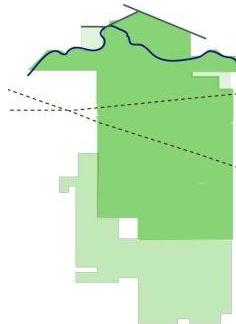
- MSU hires T. Glenn Philips to develop a new campus plan in 1926; the new plan prioritizes expanding south of the river for athletics and agricultural uses
- Beaumont Tower is completed in 1929 to memorialize the College's first building, College Hall

1935 - 1944



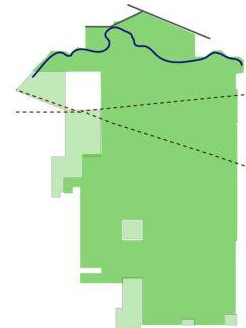
- No new academic buildings were constructed on campus from 1929-1945
- Non-academic construction included the enlargement of the Union and Football Stadium, construction of Jenison Field House and Gymnasium, Olin Health Center, and the Music Building, among others

1945 - 1954



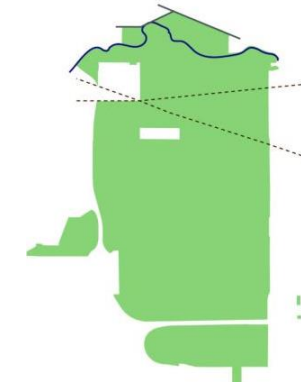
- Post-war student enrollment spiked, reaching nearly 15,000 in 1947
- In 1945, President Hannah calls for new academic facilities, including numerous engineering buildings, Veterinary Medicine, as well as a new library and an expansion of the power plant
- Shaw Hall, the largest college dormitory in the US, was completed in 1950

1955 - 1959



- The College's name changes to Michigan State University of Agriculture and Applied Science in 1955
- The Main Library is completed in 1955
- Enrollment surpasses 15,500 in 1955, and reaches 20,000 in 1957
- The Kresge Arts Center is dedicated in 1959

TODAY



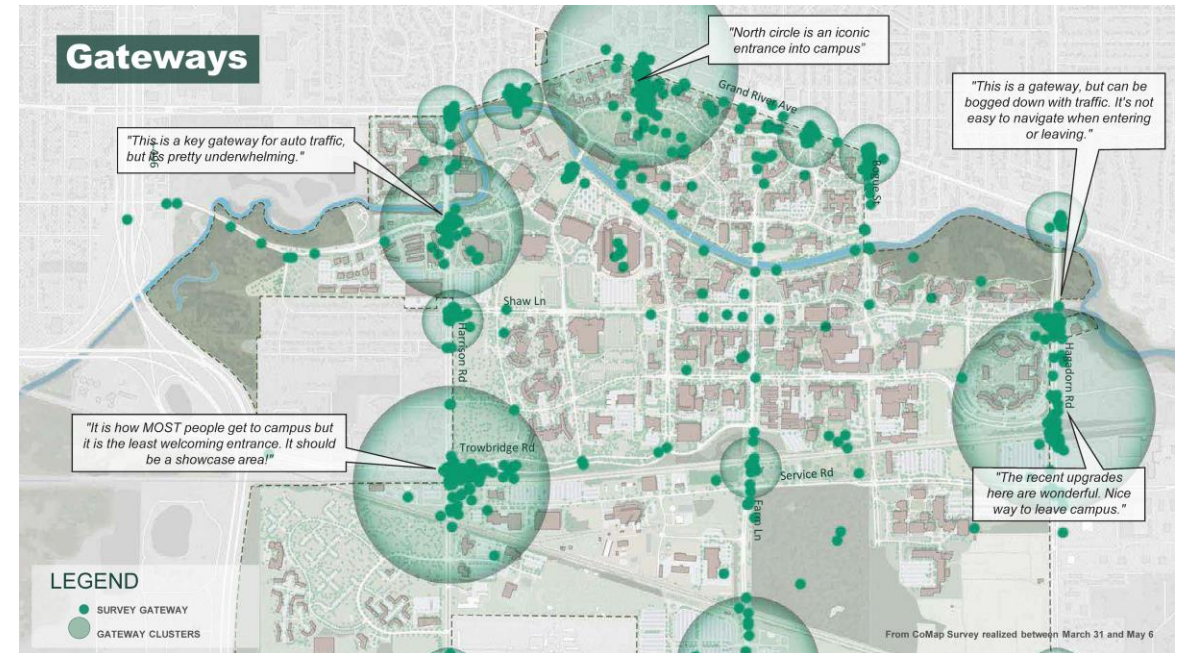
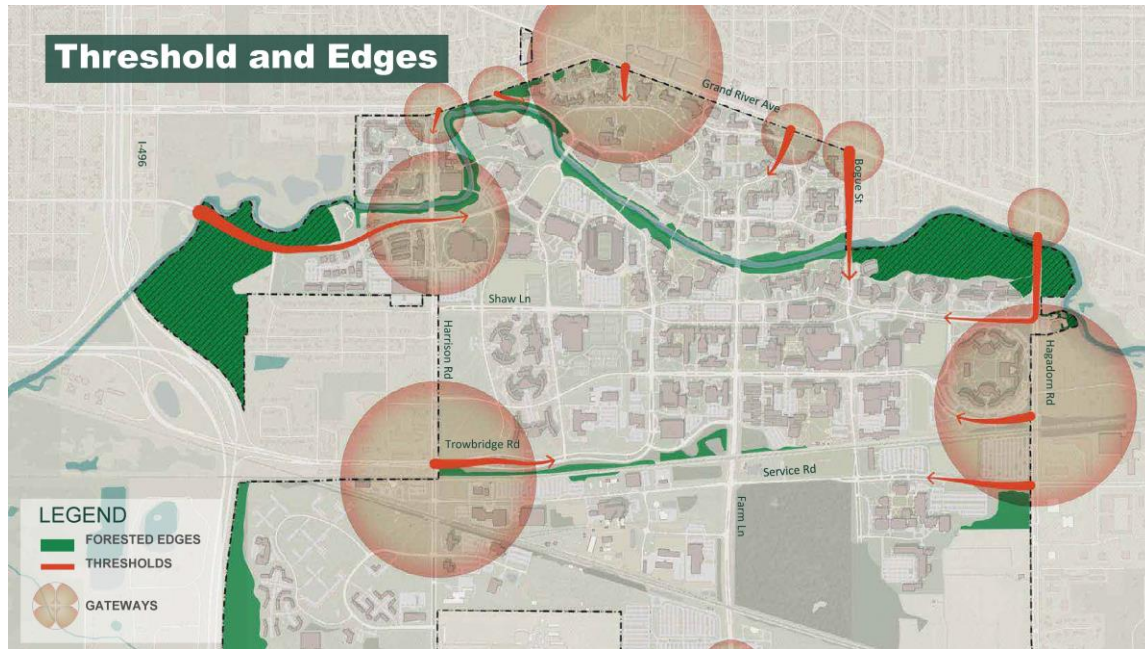
~ 5,200 Acres

- Total student enrollment is nearly 50,000 with 24.9 million GSF, 571 buildings, and 25,925 acres statewide.



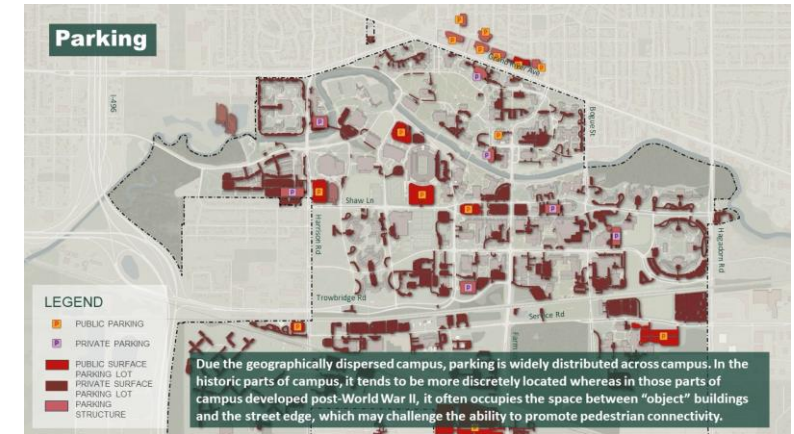
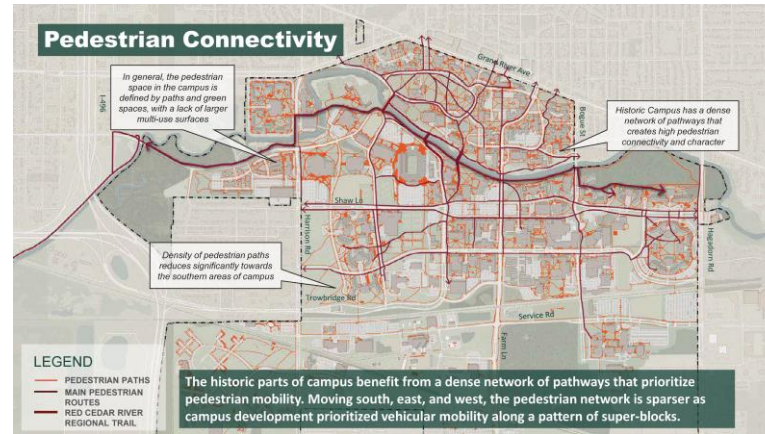
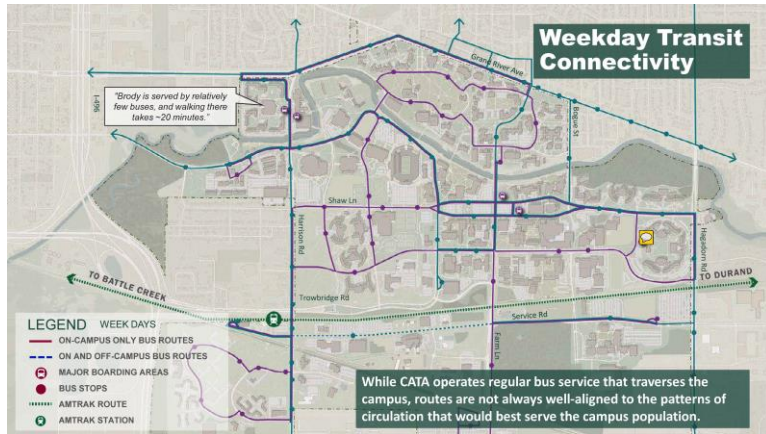
The University's land holdings have greatly expanded with time. This vast land area is an asset, but also a poses a challenge as facility needs have often been met through outward growth rather than infill development.

Urban Context



While the northern edge of campus engages East Lansing's urban fabric, the western and eastern edges provide unique entry and arrival experiences and opportunities to differentiate the University from its surrounding context.

Connectivity

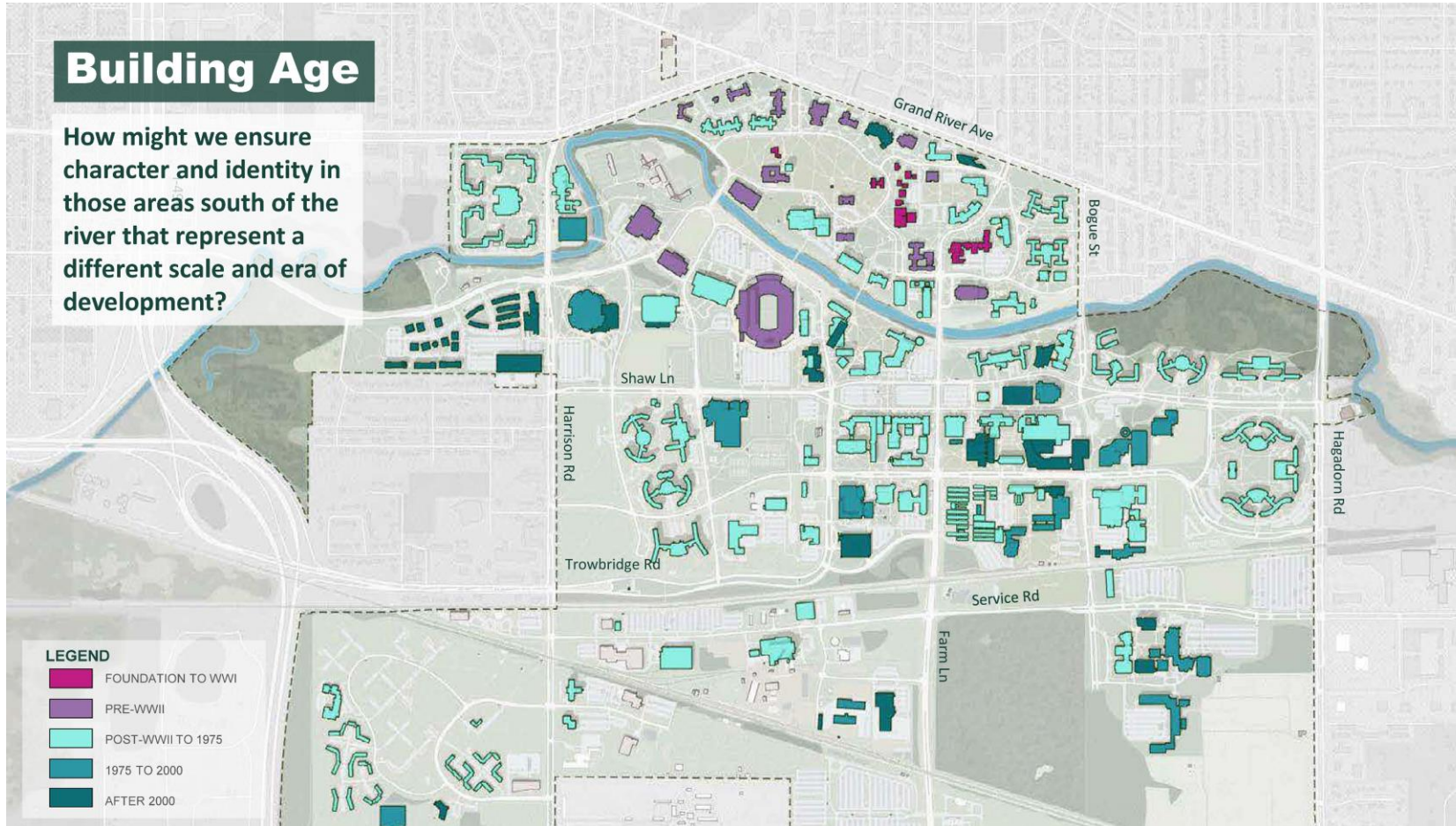


Although transit and pedestrian-oriented networks provide connectivity across the dispersed campus together, the campus scale, post-WWII development patterns, and challenges with existing transit operations mean many still rely on single-occupant vehicle trips and a campus dominated by large parking reservoirs.

Building Age + Condition

Building Age

How might we ensure character and identity in those areas south of the river that represent a different scale and era of development?



The plan should balance investment in legacy buildings on North Campus to preserve that campus character while also considering the highest and best use of facilities in need of investment.

Next Steps

- Refine physical analysis
- Identify opportunity sites for potential future development
- Develop concept scenarios (alternatives)

DRAFT PLANNING PRINCIPLES

Strategic Plan Themes

Student Success

provide an inclusive, equitable curriculum and environment with the academic, social, wellness and financial support to enable all students to learn, thrive, persist, graduate and succeed after graduation

Innovation for Global Impact

generate new knowledge and apply it in practical ways to address complex societal problems relevant not only within Michigan but around the globe

Stewardship and Sustainability

provide good stewardship of resources, meeting climate neutrality by mid-century while making strategic use of increasingly limited fiscal resources

Staff and Faculty Success

create an environment in which excellence and opportunity thrive to attract and keep talent and create conditions where staff and faculty can do their best work, individually and collaboratively

Sustainable Health

advance research to address acute and long-term health issues through advances in clinical care, discoveries in basic and translational research and broad public health measures.

Diversity, Equity, and Inclusion

provide opportunity through education and build the future of Michigan and the nation with the talent and contributions of individuals from all backgrounds and communities

Strategic Plan Themes Inform Principles

**Student
Success**

**Staff and
Faculty
Success**

**Innovation
for Global
Impact**

**Sustainable
Health**

**Stewardship
and
Sustainability**

**Diversity,
Equity, and
Inclusion**

Empower a “Spartans United” Mindset

**Advance Excellence in Teaching,
Learning, and Research**

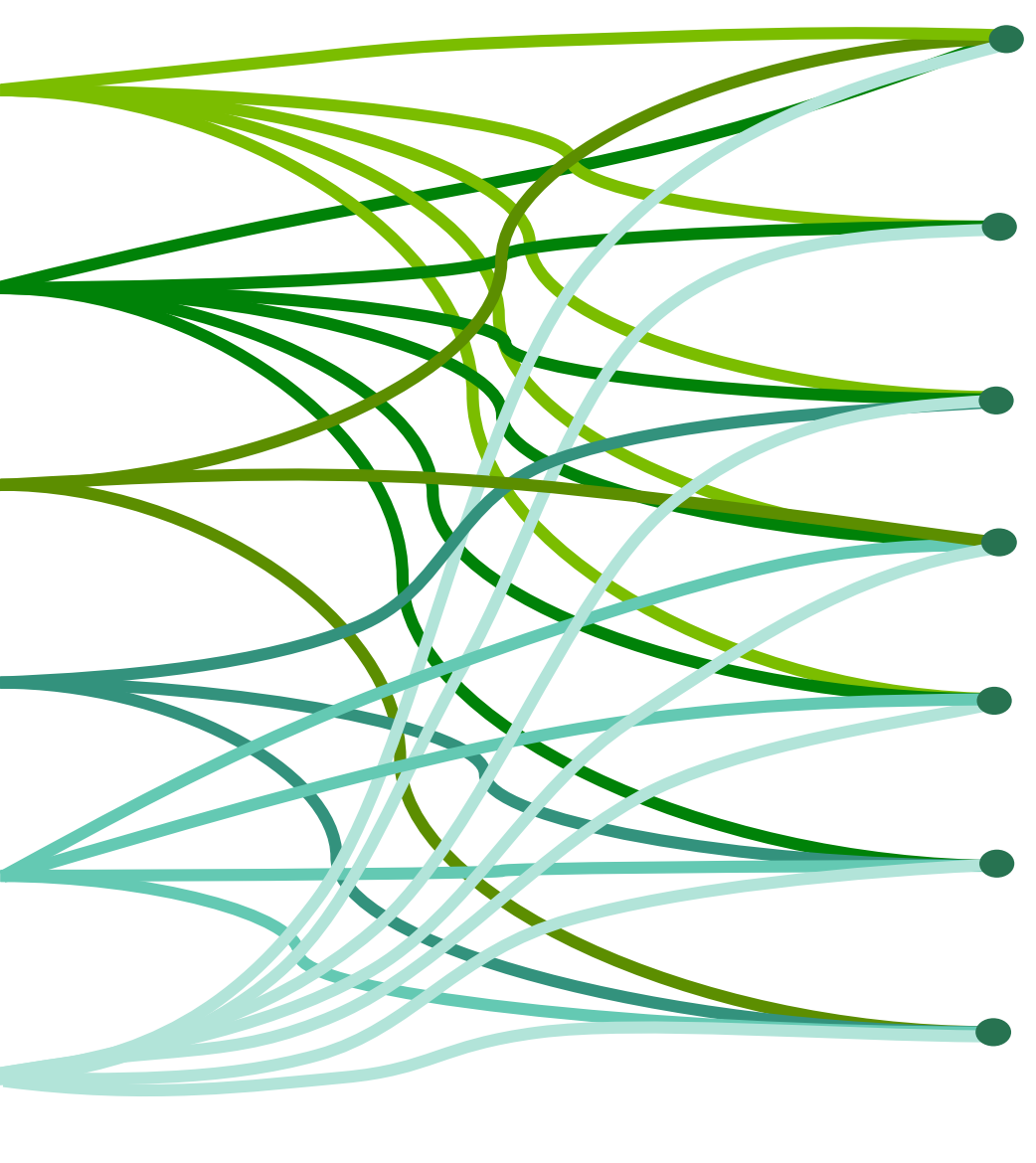
**Foster a More Inclusive and Welcoming
Campus Climate**

**Enhance Connectivity, Engagement, and
Institutional Identity**

Cultivate a Living, Learning Ecosystem

Promote Stewardship of Our Resources

**Commit to a Sustainable and Resilient
Future**



EMPOWER A “SPARTANS UNITED” MINDSET

Ensure that the university mission drives the physical environment, integrating strategic, physical, and resource planning.

GOALS:

- Provide a flexible framework that addresses ever-changing strategic needs.
- Leverage statewide facilities and lands to maximize teaching, learning, research, and outreach capabilities.
- Prioritize student success.
- Enhance connectivity through the built environment.

ADVANCE EXCELLENCE IN TEACHING, LEARNING, AND RESEARCH

Spark innovative specialized and multidisciplinary teaching and learning, research, and scholarship through the development of state-of-the-art facilities, leading to new knowledge, economic and technological development, and a workforce ready to meet the needs within Michigan and across the globe.

GOALS:

- Expand capacity of interdisciplinary research.
- Make learning and research more visible.
- Organize research in support of internal and external partnerships.
- Provide facilities capable of meeting modern pedagogies.

FOSTER A MORE INCLUSIVE AND WELCOMING CAMPUS CLIMATE

Ensure equity in the physical environment, leveraging opportunities to create a more accessible and open-minded campus environment and one that is representative of the diversity of students, faculty, and staff.

GOALS:

- Organize the campus into logical districts with compatible uses.
- Across the East Lansing campus, provide a network of distributed “hearts”, each with a unique sense of place to support students, faculty, and staff.
- Make physical spaces more welcoming and reflective of MSU’s pluralistic communities to foster inclusion and a sense of belonging.
- Improve non-motorized mobility across campus.
- Advance universal design.

ENHANCE CONNECTIVITY, ENGAGEMENT, AND INSTITUTIONAL IDENTITY

Strengthen connections and identity across MSU's constellation of locations to advance physical, programmatic, and virtual collaboration regardless of where students, faculty, and staff reside.

GOALS:

- Create an identity visible across all MSU campuses and locations.
- Provide environments supporting hybrid teaching and learning
- Establish a strong entry and arrival experience for all campuses and facilities.
- Support engagement with the communities within which MSU embeds itself.

CULTIVATE A LIVING- LEARNING ECOSYSTEM

Support the academic, social, and developmental needs of the entire MSU community by recognizing the whole campus and our statewide facilities as part of the transformative learning environment that enable community, wellness, interaction, synergy, and collaboration.

GOALS:

- Recognize the whole campus as part of the learning environment.
- Engender a healthy campus.
- Ensure all campuses and statewide facilities respect regional ecologic and social contexts.
- Leverage statewide facilities to strengthen cross-college collaborations.
- Enhance intra- and inter-campus/facility collaboration
- Lower barriers to access by providing service locations to meet the needs of students, faculty, staff.

PROMOTE STEWARDSHIP OF OUR RESOURCES

Prioritize fiscal and land use responsibility to maximize use of MSU's resources and promote projects that support the institutional mission.

GOALS:

- Create a built environment that minimizes operational complexity and cost.
- Provide prudent stewardship of MSU's financial resources.
- Maximize use of assets that can support the next generation.
- Steward the highest and best uses of our land and facilities resources.
- Leverage resources to promote strategic partnerships advancing learning and research.

COMMIT TO A SUSTAINABLE AND RESILIENT FUTURE

Take action to reduce our global carbon footprint and contribute to building more resilient and sustainable communities. We will leverage our expansive infrastructure to create experiential learning opportunities as a living laboratory.

GOALS:

- Pursue renewable energy strategies that reduce campus carbon consumption.
- Provide a built environment that optimizes energy efficiency.
- Advance strategies to preserve and protect habitat and landscape ecology.
- Minimize single-occupancy vehicular travel and promote transportation alternatives.