



CAMPUS FACILITIES DRAFT PLAN

January 18, 2024

MONTANA
TECHNOLOGICAL UNIVERSITY

AGENDA

- Planning Process
- Who was involved
- Work that has been completed
- Approach to prioritization
- Examples of renderings
- Long Range Building Program
- Next Steps



PROCESS

- Engaged NAC Architects in spring 2021
- Phased Approach
 - Collection Phase – Review of building plans and evaluating space layout and area calculations
 - Analysis and Synthesis Phases –
 - Series of functional arrangements were evaluated to testing the viability of consolidating varying functions together within different buildings throughout the campus.
 - Models were reviewed and refined with the core team, and focus groups were conducted to assess viability and realignment.
 - Programmatic changes to buildings were tested to understand impacts and opportunities.
 - Concluded with a comprehensive presentation to the leadership team, reviewing the space analysis findings and outlining the opportunity for adjacencies and utilization for buildings on campus
- Campus Refresh Committee Findings Revisited
- Spring of 2023 a planning committee including representative faculty, staff and students was formed to review and validate previous findings.

CAMPUS FACILITIES PLAN COMMITTEE

- Ron Muffick, Vice Chancellor for Administration & Finance
- Layne Sessions, Director of Facilities
- Jaime Heppler, Montana Tech Foundation CEO
- Michele Hardy, Interim Provost & Executive Vice Chancellor
- Ken Lee, Dean, Lance College of Mines & Engineering
- Kinsley Rafish, Public Education Coordinator
- Kylie Godfrey – Former ASMT President
- Sarah North Wolfe, Executive Director of Student Success
- Rita Spear, Faculty Member



COMMITTEE CHARGE

The Campus Facilities Planning Committee will establish a shared vision for the development and maintenance of the physical campus environment. The plan will provide a roadmap for future changes to the physical campus designed to support and enable the accomplishment of the university mission.

Guiding Principles:

- Enrich Student Life and Experience
- Support High-Quality Learning
- Enhance Campus Environment

SCOPE AND ACTIONS

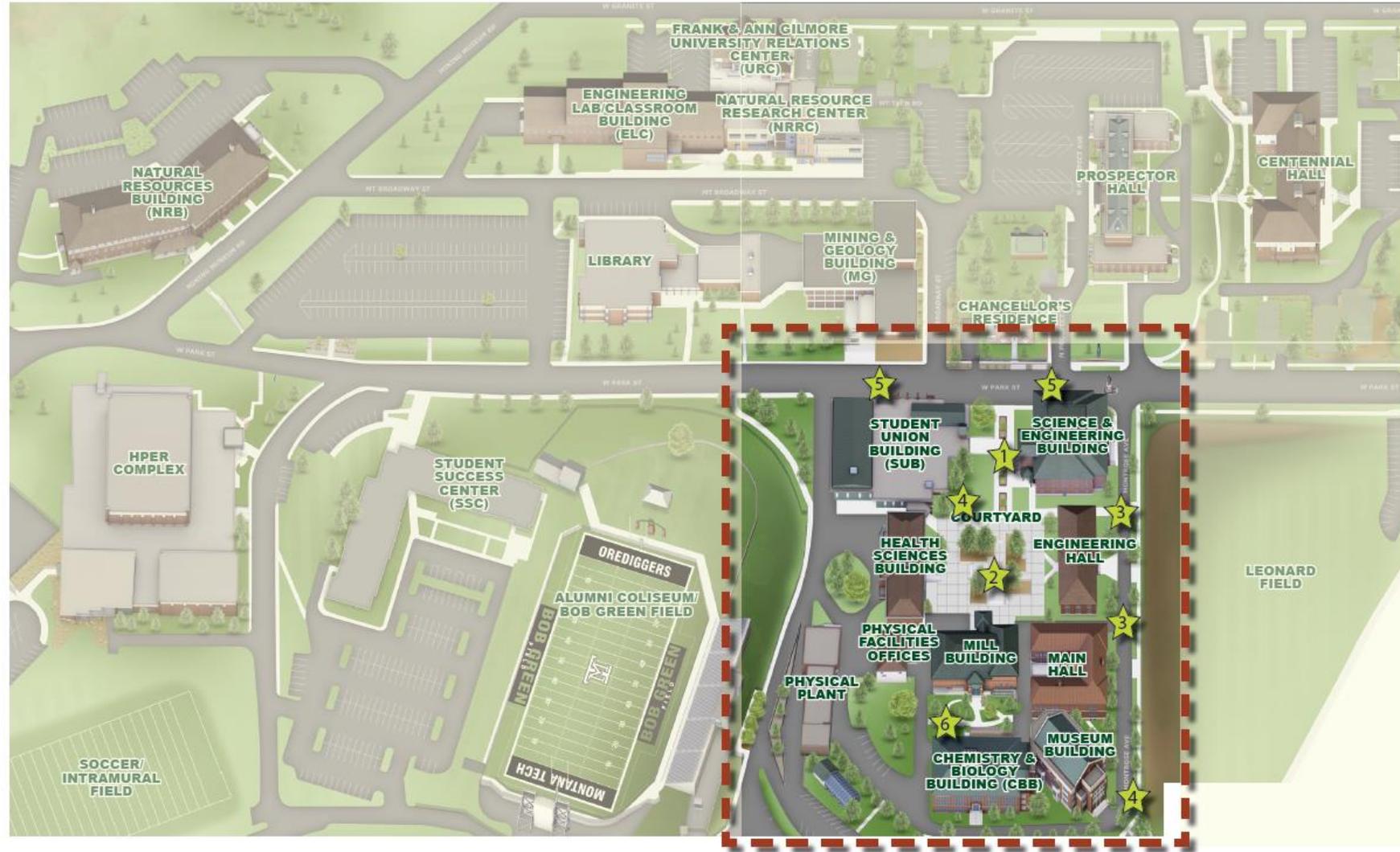
Scope:

- Aging core of campus
- Did not include Athletics or Highlands College
- Did not determine specifics of what departments or functions go into buildings –used NAC research as starting point for discussion only

Actions:

- Relocation, renovation, new construction, and site improvements were discussed in the context of currently funded projects and specific needs and opportunity.
- University vision, mission, and goals were also reviewed for key phrases and guiding concepts.
- Projects were then listed in a matrix, scored in their support of each mission/vision/ goal-related key phrase or concept and compared against one another.
- Process eliminated any potential biases and helped to clarify projects that might make the most impact to the university given current conditions and/or opportunities for immediate improvements.

★ VISION AREAS



FINDINGS

- Results point to Main Hall, Engineering Hall and the Library as the most impactful in meeting university's long-term goals and vision
- State of Montana Long Range Building Program Funding for Main Hall and Engineering Hall approved in April 2023
 - Impacted the prioritization process due to funding availability



Campus Facilities Plan 2023

1. Main- This priority project, funded through Long Range Building funds, aims to implement various improvements. These include upgrading building systems, meeting ADA and code requirements, establishing new research laboratories, modernizing teaching spaces, and faculty offices.
2. Engineering- This priority project, funded through Long Range Building funds, focuses on several key elements. It includes upgrading building systems, implementing necessary ADA and code requirements, establishing a new computer lab, modernizing teaching spaces, and new faculty offices.
3. Mill- Potential surge space for displaced classrooms and faculty offices during construction of Main and Engineering. Once complete opportunity for new conferencing space, business office, finance, payroll, HR, and Admin.
4. SUB- renovated bookstore and student health and wellness center with new study spaces, conferencing, student government and lounge for students
5. Reed House- Future center for Leadership and Community Engagement
6. MG- New graduate and research labs, faculty space, and expansion of civil engineering labs/classrooms
7. Library- Revitalized library into an innovative Learning Commons, designed to foster collaboration among students. This new space will provide dedicated study areas, academic support resources, and career services, reimagining the traditional library as a modern hub for learning and student collaboration.
8. Street scape- Park Street will undergo enhancements aimed at implementing traffic calming measures and increased campus branding to establish safe, unobstructed pathways that connect crucial buildings, effectively bridging the historic campus core across Park Street.
9. Campus Quad- Renovate the campus quad, creating a central area that truly embodies the heart of the campus by offering ample gathering space for students, versatile programming options, and a prominent Montana Tech identity

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► Campus Master Plan / Montana Technological University / Summer 2023



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MAIN HALL

- Currently listed in the Montana Long Range Building Program (LRBP), Main Hall will receive state funding for improvements.
- Will create the opportunity for new academic spaces, research labs and faculty offices.
- Will include modernized mechanical, electrical, and code-required upgrades including accessibility.
- Will provide modernized amenities and create highly desirable student study and collaboration spaces



ENGINEERING HALL

- Modernization of classrooms, faculty offices, and student spaces.
- Will modernize mechanical, electrical systems and code-required improvements, with a focus on accessibility.
- Strategic programming is essential to define the optimal use of available space.
- Will increase utilization and offer contemporary amenities and teaching environments.
- Engineering Hall is included for funding in the Montana LRBP and will receive state funding



LIBRARY

- The Library is the number one capital development project on Montana Tech's LRBP list for the next legislative session.
- Transforming the library into a learning commons could better serve students.
- Learning Commons would be flexible and transparent inviting students to engage and collaborate.
- Providing space for academic support services, career preparation coaching and study areas with a variety of seating will transform the existing library into a true 21st century learning space.

STUDENT UNION BUILDING

- The SUB would focus of student life outside of the academic experience and needs modernization including bookstore, game room, health and wellness center, student study spaces, new student government offices, lounge area, and modernized conference spaces.
- Projects could be phased, but funding would need to come from a combination of fundraising and student fees.





BOOKSTORE



MINING GEOLOGY BUILDING

- Not currently on the LRBP, MG's third floor was seen as an opportunity to expand the amount of academic space, faculty offices and research labs for science and engineering focused programs.
- For these spaces to be captured operational functions and University leadership offices would need to be relocated.



MILL BUILDING

- Mill is considered underutilized and could serve as surge space during the construction of Main Hall and Engineering Hall for offices and classrooms.
- Student government and the game room could be relocated to the SUB and operational offices could be relocated to the Mill.





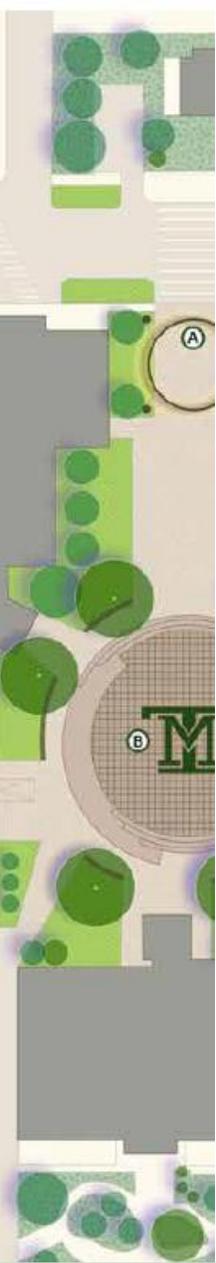
NAC
ARCHITECTURE

Conceptual Mill Rendering

06.14.2022

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PARK STREET & COURTYARD

- Campus Plaza and Park Street were identified as priority projects for refreshing the overall look and feel of the campus.
- Initial vision is a Central Plaza that serves becomes a stronger, more useable campus core.
- Traffic calming, and increased branding to connect the campus core across Park Street while offering a more inviting and identifiable entrance to the university.
- Renovation of the campus plaza would include student gathering space, flexible programming , and clear Montana Tech branding to create a space that is clearly the heart of campus.



(A) ENTRY FRAME



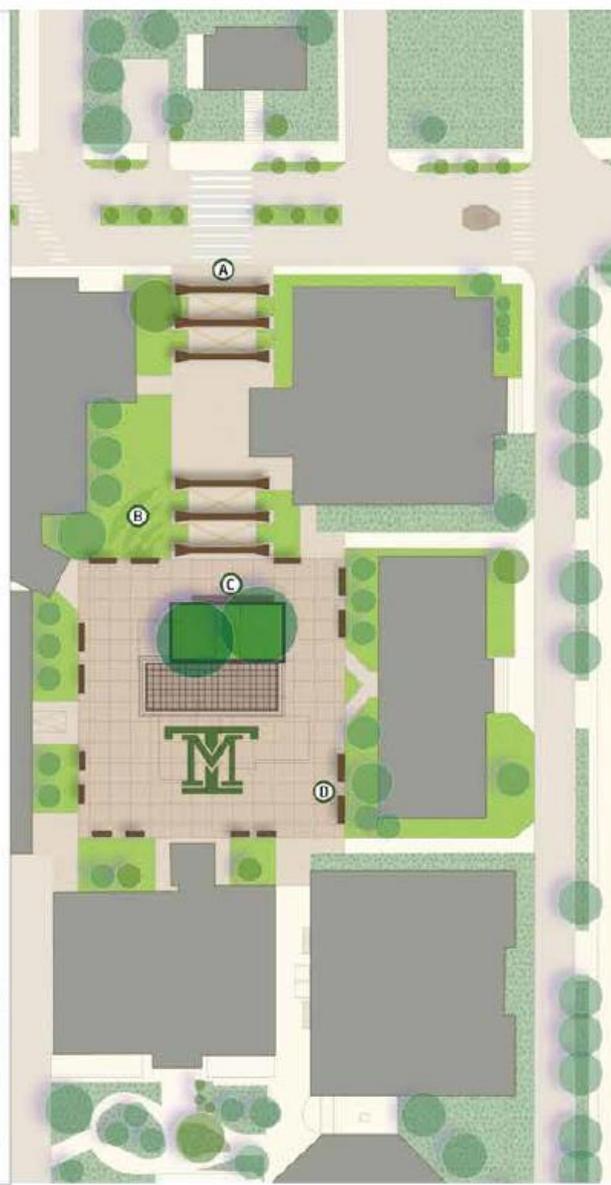
(B) SUNNING BERM



(C) UNIVERSITY CAMPUS LOGO



(D) SEATING



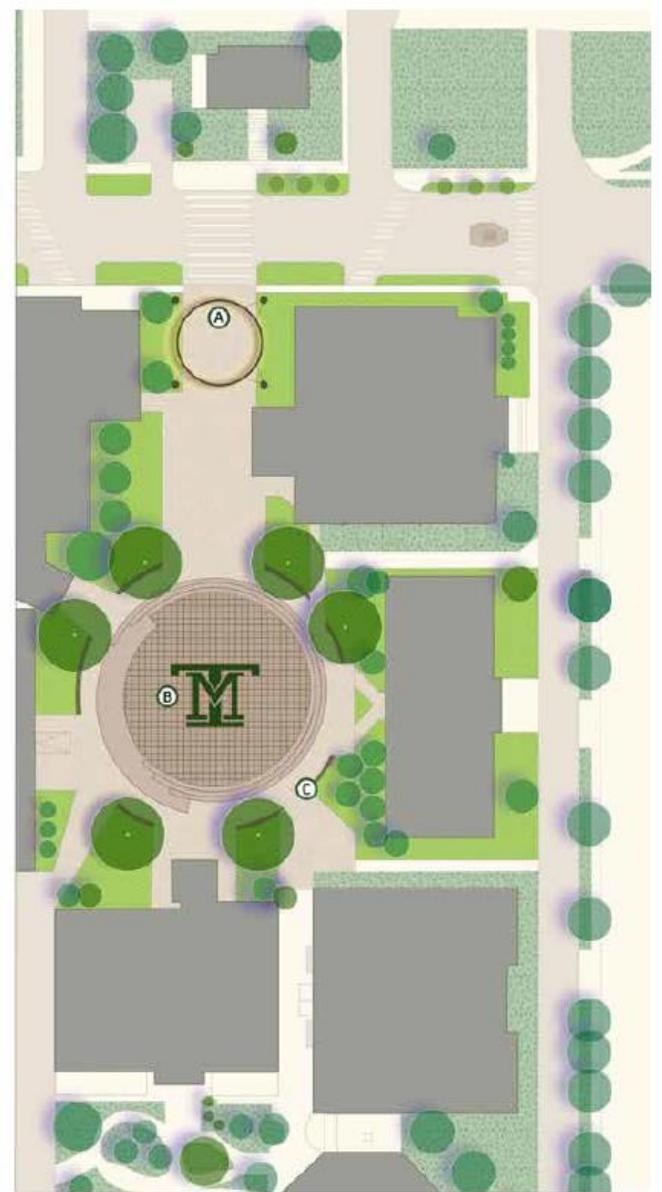
(A) ENTRY LIGHTING



(B) AMPHITHEATRE



(C) SEATING



NEXT STEPS

- State Long Range Building Program Process
 - Montana Tech bundle of projects:
 - Main Hall Renovation
 - Engineering Hall Renovation
 - Restroom Renovations
 - Pool Repurpose
 - Prospector Elevator
 - Electrical Distributions
 - Masonry Projects
 - Request for qualifications for consultant/architect released March 2024
 - Selection of consultant/architect by end of June 2024
 - Programming and Planning for bundle through remainder of 2024



SHARE YOUR FEEDBACK AND COMMENTS

To provide your feedback and comments about the
Campus Master Plan, please visit

<https://www.mtech.edu/about/admin-services/facilities/>

THANK YOU!
Any Questions?