

MEMORANDUM

TO: University Facilities Planning Board: Susan Agre-Kippenhan - Chair, Walt Banziger - Vice Chair, Jim Becker, Kurt Blunck, Allyson Bristor, Jeff Butler, ASMSU President, Michael Everts, Joseph Fedock, Mandy Hansen, Jeff Jacobsen, Patricia Lane, Tom McCoy, Ed Mooney, Jim Rimpau, Craig Roloff, Tom Stump, Jim Thull, Kasey Welles – ASMSU, Allen Yarnell, Brenda York

FROM: Victoria Drummond, Associate Planner, Planning, Design & Construction

RE: **August 3, 2010**, meeting of the University Facilities Planning Board to be held in the **Facilities Meeting Quonset at 3:30 pm**

ITEM No. 1 – APPROVAL OF NOTES

Approval of the draft notes from the July 20, 2010.

ITEM No. 2 – EXECUTIVE COMMITTEE REPORT

Report on any current Executive Committee actions.

ITEM No. 3 – CONSENT AGENDA – None

ITEM No. 4 – RECOMMENDATION – **Cooley Lab Renovation** **Presenter – Karen Hedglin, FPDC; Allan Frankl, Dick Anderson Construction**

ITEM No. 5 – RECOMMENDATION - **Herrick Food Lab Mechanical Equipment** **Presenter – Lindsay Schack, PM-FPDC; Scott Hedglin, Consultant-Architecture 118**

ITEM No. 6 – DISCUSSION – **Public Art Committee Representatives' Terms** **Presenter – Victoria Drummond**

HORIZON ITEMS

- **External Building Signage Policy**
- **Staging Discussion**
- **Seminar Materials**
- **Master Planning Issues**
- **Revisit and Update Policies**
- **MSU Heritage Properties**
- **HBO5 Amendment for lab Facility**

VCD/da

pc: Waded Cruzado, President
ASMSU President
Jody Barney, Budget and Fiscal Director, Office of Dean and Director
Patricia Chansley, Assistant to the Provost
Cathy Conover, Vice President, Communications & Public Affairs
Lisa Duffey, Assistant to the Dean of Agriculture
Heidi Gagnon, Assistant to the Vice President, Administration & Finance
Diane Heck, Administrative Associate, Provost
Jennifer Joyce, Assistant to the Vice President for Planning and CIO
Linda LaCrone, Assistant to the Vice President for Research, Creativity and Technology
Glenn Lewis, Special Assistant, Vice President, Student Affairs & Dean of Students
Shari McCoy, Assistant to the President
Sheron McIlhattan, Accounting Associate IV, University Business Services
Becky McMillan, Administrative Associate, Auxiliary Services
Kathleen McPherson-Glynn, Assistant to the Dean, Arts and Architecture
Charles Nelson, Registrar and Director of Admissions
Robert Putzke, Director, MSU Police

**MEETING NOTES OF THE
UNIVERSITY FACILITIES PLANNING BOARD
July 20, 2010**

Members Present: Susan Agre-Kippenhan - Chair, Walt Banziger - Vice Chair, Kurt Blunck, Allyson Bristor, Jeff Butler, Lisa Duffy for Jeffrey Jacobsen, Michael Everts, Mandy Hansen, Patricia Lane, Robert Lashaway for Craig Roloff, Jim Rimpau, Tom Stump, Jim Thull, Brenda York

Members Absent: Jim Becker, Ritchie Boyd for Joe Fedock,* Tom McCoy, Ed Mooney, Kasey Welles – ASMSU, Allen Yarnell

Guests: Candace Mastel and Victoria Drummond, Facilities Planning, Design & Construction; Dana Longcope and Loren Acton, Physics

The University Facilities Planning Board met beginning at 3:30 pm to discuss the following:

ITEM No. 1 – Approval of Meeting Notes

Jim Thull moved to approve the meeting notes from June 22, 2010. Tom Stump seconded the motion. The meeting notes were approved unanimously.

ITEM No. 2 – Executive Committee Report

There was no action from the Executive Committee to report.

ITEM No. 3 – Consent Agenda - Update on Danforth Park/Iris Garden Project

Tom Stump made the motion to approve the consent agenda. Kurt Blunck seconded the motion; it was approved unanimously with the proxy vote of Ritchie Boyd.

ITEM No. 4 – Informational – National Solar Observatory site Selection

Walt Banziger introduced the item by stating that it is an informative presentation, basically to get some ideas and direction from UFPB as it moves forward. The item will be coming back for an eventual site selection (vicinity maps attached) and to move forward to complete a proposal for the National Solar Observatory (NSO) in association with the Association of Universities for Research in Astronomy (AURA) who are seeking to partner with a host institution to consolidate its directorate operations currently located in New Mexico and Arizona into a single facility. MSU Physics Department has received approval from the President and VP of Research to enter the competitive proposal which will demonstrate MSU's ability to support both the NSO research operations and foster recruitment and development of solar education. For the proposal due in December, the ten proposed sites will be narrowed down to one preferred site approved by the President for a 40,000 SF facility that would house administrative and research personnel offices, several research/instrumentation labs, optics labs, conference/meeting space, data center and other miscellaneous space in support of the NSO operations. In addition, the concept in development would propose to offer shared classroom space, faculty space, as well as TA/GA space to facilitate partnership between the university and NSO operations and promote development of education programs. If MSU is successful in competing, the facility will be constructed between 2014 and 2016, and expected to have a facility on line by 2016 or 2017.

Dana Longcope explained that the NSO has an observatory that has been around for approximately fifty years, but the National Science Foundation (NSF) just approved a \$300M state of the art telescope to be built on the island of Maui. In exchange, the NSO had to promise to close down their old telescopes that NSO argued were obsolete in order to acquire a new one. The old ones are in Sacramento Peak in Cloudcroft, New Mexico and Kitt Peak in Tucson, Arizona. This is a perfect opportunity to consolidate a structure that basically has all the administrative staff and scientists, which are currently split between the two sites. A minimal number of technical staff operating the telescope is required to be in Hawaii. MSU is considered one of the front runners with twenty professors, ten post doctoral researchers and a nice campus to offer them. The decision will be made in 2011, and if MSU is selected, the university will inform them where they will be located. Longcope believes their real strength is their integration with the university. The NSO would like to be part of a university environment, not a research building off campus.

Banziger informed the UFPB that Facilities Planning is currently assisting the Physics Department with development of the building program, cost estimates and funding options. Construction budget is anticipated to be \$12.5 M to \$15M range, depending on development of final program needs. The majority of the sites identified are on the east side of 11th Street, although a few for argument's sake and discussion purposes are located west of 19th Street, which would support more of a

research type facility per the master plan. Through discussion at this meeting, it is hoped to get direction from the UFPB as to where we should be going and what other questions there might be that need to be answered. Facilities Planning hopes to hire an architect within the next few two weeks to put together cost estimates, renderings and drawings that will look good in the proposal, and also that focus on a site that makes our proposal stronger. The more specific the proposal is, showing where the building is, what it might look like, and how its relationship is to the rest of campus as well as the air port, the stronger the proposal is. Arizona and Colorado will have strong proposals with a site selection as well. MSU Arizona, Colorado and New Mexico are the other strong contenders.

Sites proposed - not prioritized (see attached maps):

1. NE Lawn (across the lawn from the Chemistry Building)
2. Hannon Green
3. Existing Plew Facility
4. South Gatton Parking Lot
5. 7th & Grant Parking Lot
6. Faculty Court
7. Huffman Parking Lot
8. East of the Huffman Building on Kagy
9. West of 19th on Garfield across from the Tech Research Park
10. On Huffine

Initially, the sites that interest the Physics Department team are four sites east of 7th (Kagy, Huffman, Faculty Court, and Plew) and possibly the Hannon Green site, because of its proximity to the engineering district.

Jim Rimpau asked if the expense of the site will impact the proposal. The NSF prefers to lease, rather than own a building. MSU will have to tell them what the cost of leasing the building is. It will probably be constructed using bonds, and it will be a University owned building.

Bob Lashaway requested that the Physics Department bring back written support (spell out what the connection will be) from the Dean and the Provost Office to the next meeting. If there is a strong academic connection, a new building may be considered for the Physics Department as well as the NSO building. This connection may make the existing Plew Building the preferred site. He also clarified that there is no need for more parking, unless the structure takes up parking spaces.

Mike Everts noted that bringing in more offices instead of students to the center of campus is not a good idea; the Plew, Faculty Court or 7th and Grant combined with a parking structure would be a better way to go.

Kurt Blunck stated that there is no money for a parking structure at approximately \$25,000 a space.

Lashaway remarked that there may not be enough time to propose for a grant that makes sense for parking coupled with a structure, or we can decouple and say the grant would put parking structure in a certain location beneficial to the NSO structure. He suggested the UFPB come back with the pros and cons of the following sites: NE Lawn, Hannon Green, Existing Plew Facility, South Gatton Parking Lot, 7th & Grant Parking Lot, Faculty Court, Huffman Parking Lot, and East of the Huffman Building on Kagy .

Banziger suggested bringing this back to UFPB in late August to get the number of sites down to one in order to give the architect three months to put renderings and estimates together, so the proposal is ready to be submitted by December. He also added for the record that a triangle of land currently leased by the Forestry Department was not considered because the lease has approximately forty years more to run, so a new building would have to be constructed for them in order for the site to be considered for the NSO.

ITEM No. 5 – Recommendation – Construction Staging on Parking Lots Guidelines (Continued from 6/8/2010)

In June, Robert Lashaway suggested the UFPB send him notes, suggestions and comments so they may be addressed and the recommendation be brought back to UFPB. The revised guidelines reflect those suggestions and comments; therefore, Susan Agre-Kippenhan called for the question and it was approved unanimously with the proxy vote of Ritchie Boyd.

This meeting was adjourned at 4:40 p.m.

*Member who submitted proxy

VCD/da

pc: Waded Cruzado, President
ASMSU President
Jody Barney, Budget and Fiscal Director, Office of Dean and Director
Patricia Chansley, Assistant to the Provost
Cathy Conover, Vice President, Communications & Public Affairs
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Robert Putzke, Director, MSU Police



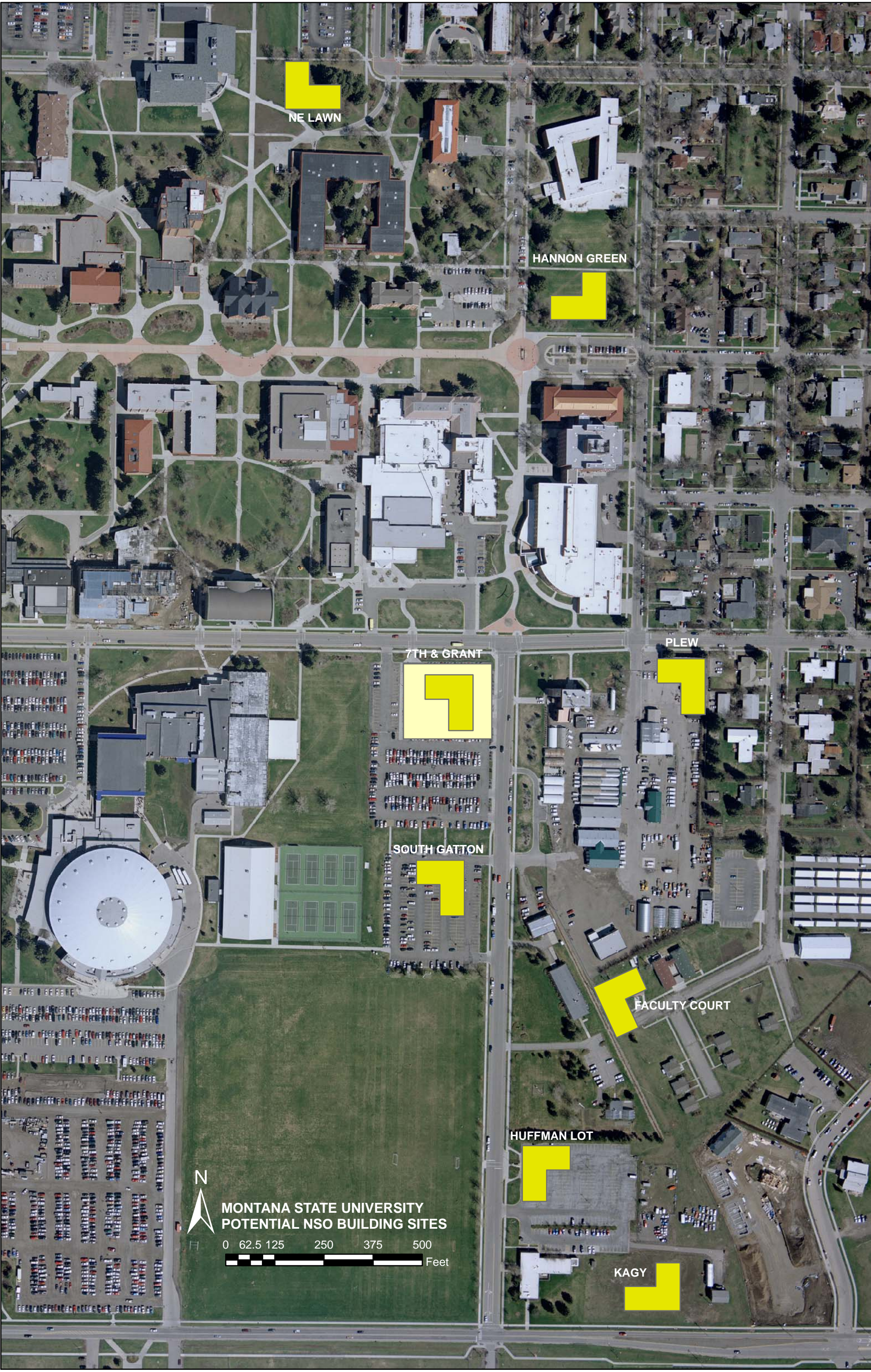
HUFFINE
ENTERPRISE
ZONE

GARFIELD STREET



MONTANA STATE UNIVERSITY
POTENTIAL NSO BUILDING SITES - WEST CAMPUS

0 62.5 125 250 375 500
Feet



NE LAWN

HANNON GREEN

7TH & GRANT

PLEW

SOUTH GATTON

FACULTY COURT

HUFFMAN LOT

KAGY



MONTANA STATE UNIVERSITY
POTENTIAL NSO BUILDING SITES

0 62.5 125 250 375 500
Feet

ITEM # 4

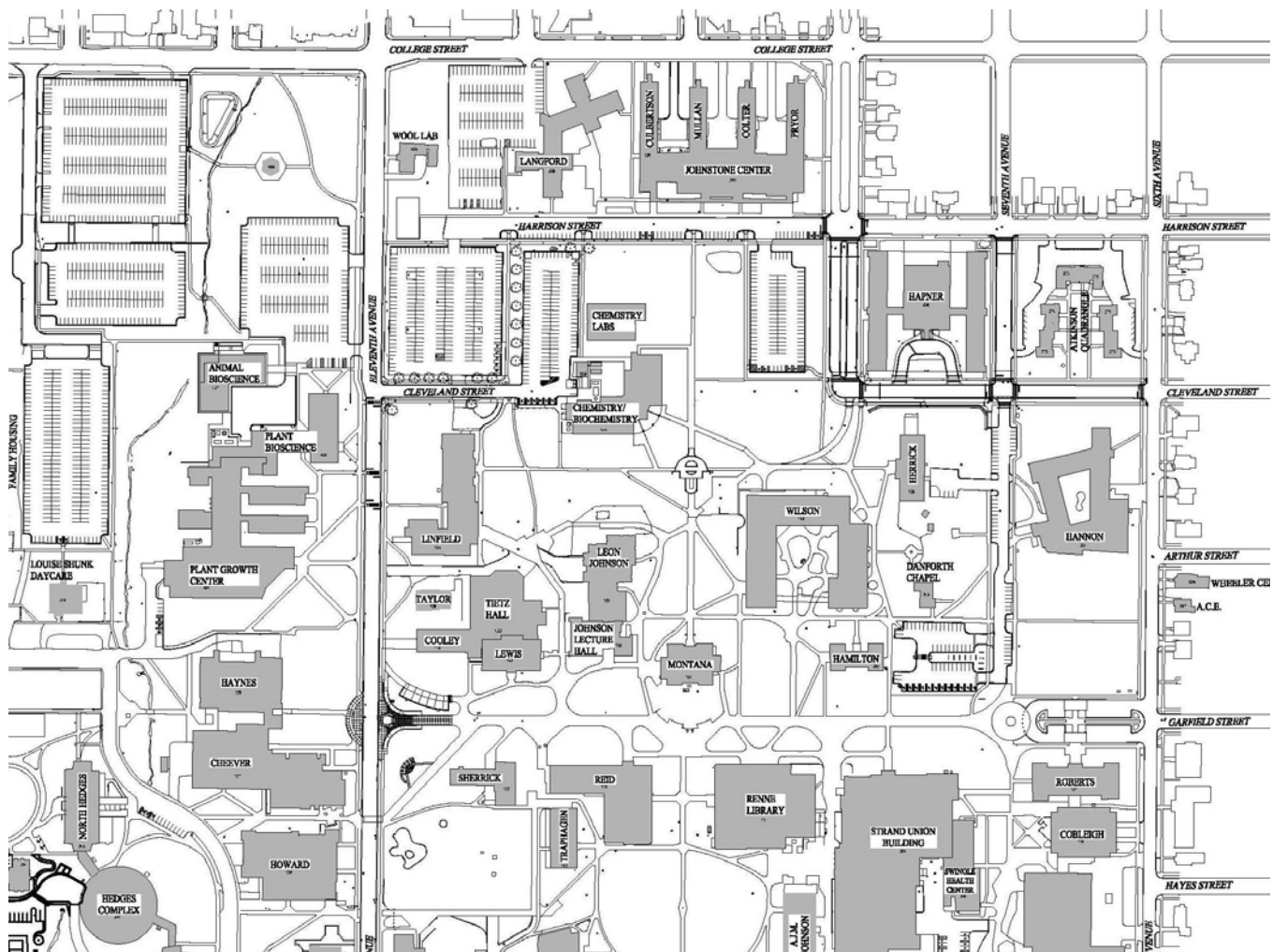
Cooley Lab Renovation

PRESENTERS:

Karen Hedglin, Project Manager Allan Frankl, Dick Anderson Construction

PROJECT PHASE:	PLANNING	SCHEMATIC	DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS	X
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VICINITY MAP:



STAFF COMMENTS:

Cooley Lab renovations have come before UFPB several times since 2005. The scope of those prior presentations was focused on renovation of the top two floors of the building and an addition of a mechanical penthouse. That project bid over budget in 2008 and did not proceed to construction.

MSU then submitted an ARRA grant proposal in 2009 to renovate the entire Cooley Lab building. This grant was approved and MSU received the funding in March 2010. MSU chose to employ an alternative delivery method for construction delivery and has selected Dick Anderson Construction (DAC). DAC has proposed a site staging location at the gravel lot located on the corner of 19th Street and Lincoln. Parking and Facilities Planning concurs with this location for an approximate duration from October 2010 through April 2012. Construction site plans will be presented by DAC, including traffic control, delivery coordination, and bike lane considerations along 11th Avenue. The site staging plans protect existing trees and landscape.

A photo of existing Cooley Lab is below.



Exterior elevations are attached.

The scope of the project is a complete gut and rebuild of the existing facility, with the exception of the exterior brick skin. All interior walls, mechanical and electrical systems, and exterior windows will be replaced. A new elevator shaft will be constructed on the east end of the building. A new gable roof

structure will enclose the new mechanical penthouse. The roof will be clad with standing seam metal and be medium grey in color. Product samples will be displayed at the meeting. Snow rails in two locations will retain snow and mechanical equipment has been located out of the icicle fall zone. A solar preheat metal panel system will be constructed on the south elevation facing the Centennial Mall. The new upper west elevation will have a mechanical louver finish. The north elevation will have a small new service door and canopy. The building will be card access only, with no public or classroom areas. The service drive on the west side will be reduced to a 8' wide sidewalk. The area between Taylor and Cooley will become a rock service area with mechanical equipment: a nitrogen tank (approx. 8' tall), a cooling tower (approx. 12' tall) and a diesel emergency generator (approx. 10'). With the exception of the emergency generator, all of the mechanical equipment meets the campus noise standards. A louvered screen will be placed between the two buildings with new landscaping beds in front. Brick infill on all elevations will be toothed in with salvaged brick from the east side at the new elevator location and the old parapet brick, to ensure a good match. The new inoperable windows will have a top panel of reflective translucent glass. New benches and bike racks on the west elevation will be installed. LEED certification is required in the terms of the grant and Gold level is targeted by the team. Public art is not planned for this project.

Building Committee review and approval is complete. The GMP is within budget. Demolition and abatement is projected to begin in November 2010. Completion will be April 2012.

COMPLIANCE:	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
Recommend approval of the building design and materials selection so the Cooley Lab project can proceed to construction.		

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ITEM # 5

Herrick Food Lab Mechanical Equipment

PRESENTERS:

Lindsay Schack, FPDC
Scott Hedglin, Architecture118, Consultant

**PROJECT
PHASE:**

PLANNING

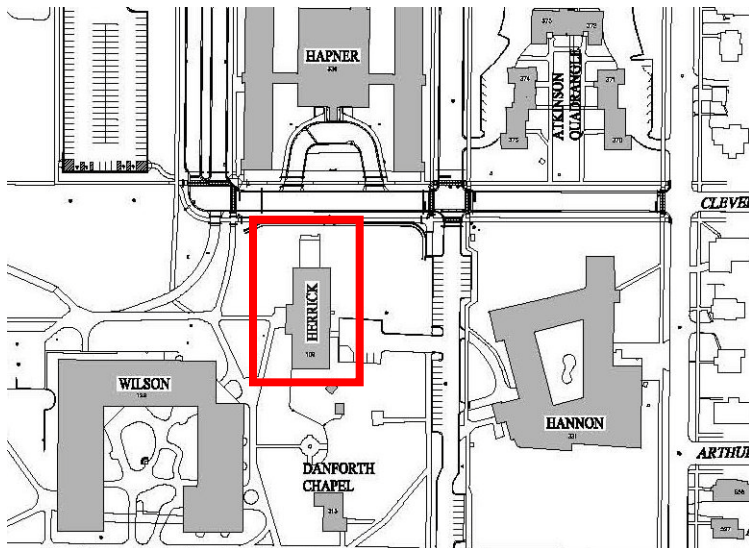
SCHEMATIC

**DESIGN
DOCUMENTS**

X

**CONSTRUCTION
DOCUMENTS**

VICINITY MAP:



STAFF COMMENTS:

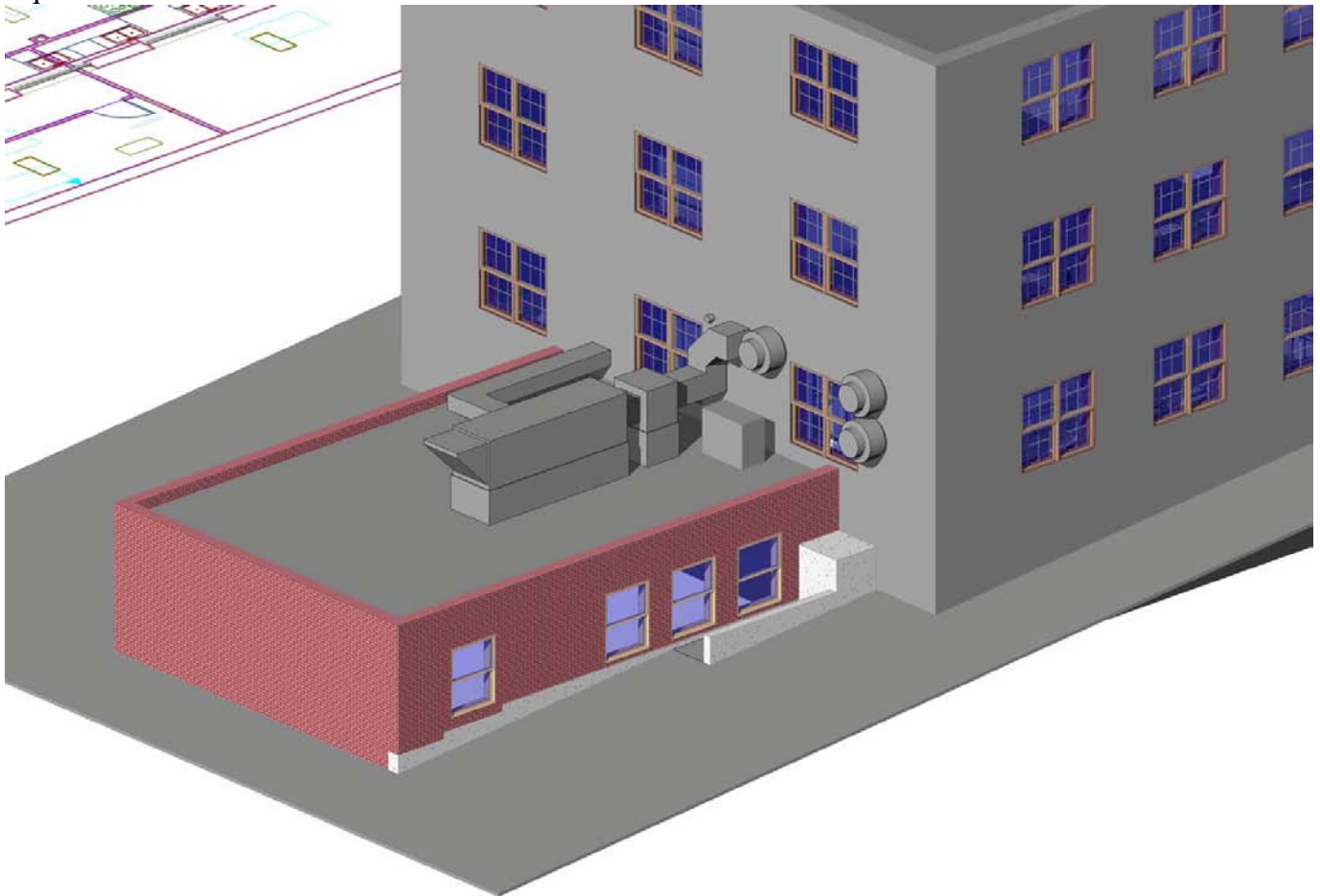
The Herrick Food Lab is undergoing a long-anticipated renovation with the use of donor funding. The current condition in the space is not functional for the program. Issues included but not limited to the following:

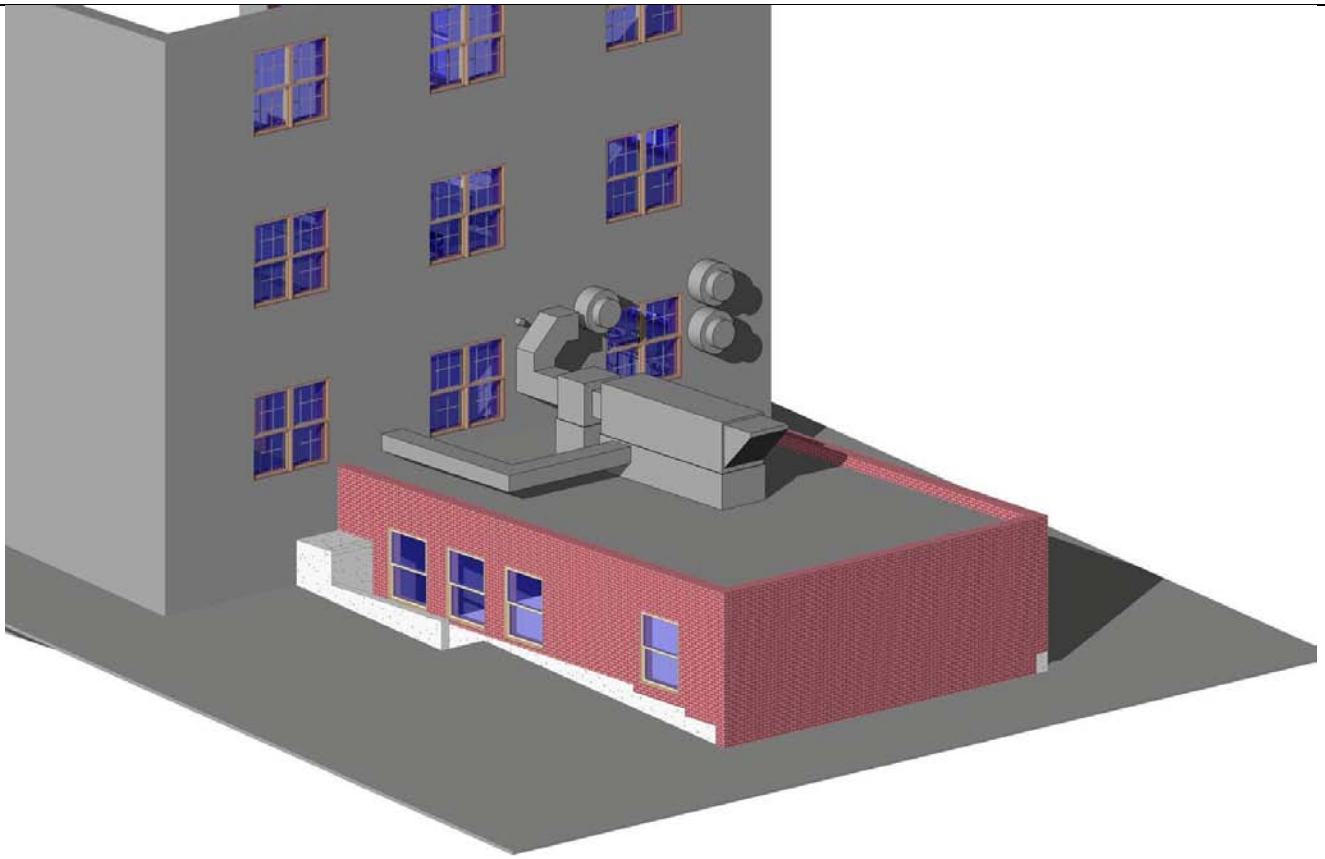
- The lack of ventilation causes over heating in the summer months when cooking is underway, as well as the result of food smells permeating the building and affecting other occupants. Summer programs have ongoing struggles to provide a comfortable environment for users.
- Heating in the winter is not sufficient, requiring that cabinets remain hanging open to prevent the pipes from freezing.
- The commercial equipment desired by the program is required in order to obtain a commercial

certification, enabling the enhanced educational offerings of the program. This equipment is the minimum required to meet the standards of a commercial kitchen.

The new lab will have new gas and electric appliances of commercial grade, improved ventilation and climate control, a dedicated water heater, and the potential to operate as a commercial kitchen in addition to operating as a full-time teaching lab.

In order to satisfy the requirements for ventilation, heating, cooling and sanitation, new mechanical equipment must be installed on the northern wall of Herrick Hall, as well as on the roof of the adjacent building addition. The following graphics illustrate the equipment, ducting and exhaust fans that are required.







COMPLIANCE:	YES	NO
MSU POLICIES		
COMMITTEE OR APPROPRIATE REVIEW		
MASTER PLAN		
BOARD ACTION REQUIRED:		
<p>Recommend approval of the request as proposed.</p>		

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