

MEMORANDUM

TO: University Facilities Planning Board: Nancy Cornwell - Chair, Walt Banziger - Vice Chair, Kurt Blunck, Allyson Brekke, Jeff Butler, ASMSU President, Michael Everts, Chris Fastnow, Greg Gilpin, Mandy Hansen, Jeff Jacobsen, Patricia Lane, Terry Leist, Tom McCoy, Martha Potvin, Fatih Rifki, Jim Rimpau, Tom Stump, Jim Thull, Cara Thuringer – ASMSU, Brenda York

FROM: Victoria Drummond, Assoc. University Planner, Planning, Design & Construction

RE: **November 20, 2012**, meeting of the University Facilities Planning Board to be held in the **Facilities Meeting Quonset at 3:30 pm**. The November 6, 2012 meeting was cancelled due to the state recognized holiday.

ITEM No. 1 – APPROVAL OF NOTES

Approval of the draft notes from October 9 and 23, 2012 meetings.

ITEM No. 2 – EXECUTIVE COMMITTEE REPORT

Report on any current Executive Committee actions.

ITEM No. 3 – CONSENT AGENDA

No items.

ITEM No. 4 – RECOMMENDATION – **Public Art Committee Requests Academic R&R Funds to purchase and install a commemorative plaque at each piece of MSU Art Work**
Presenter – Victoria Drummond and Jim Thull, PAC Co-Chairs

ITEM No. 5 – RECOMMENDATION – **Tobacco Free MSU – five additional permanent signs.**
Presenter – Victoria Drummond, Assoc University Planner

ITEM No. 6 – RECOMMENDATION – **Accessible Entrances for the New College of Business**
Presenter – Dennis Raffensperger

HORIZON ITEMS

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

VCD/lk

PC:

President Cruzado

ASMSU President

Bonnie Ashley Registrar

Jody Barney, College of Agriculture

Lisa Duffy, Provost Office

Julie Kipfer, Communications

Victoria Drummond, Facilities PDC

Allen Yarnell, Presidents Office

Heidi Gagnon, VP Admin & Finance

Diane Heck, Provost Office

Jennifer Joyce, VP Student Success

Linda LaCrone, VP Research Office

Shari McCoy, Presidents Office

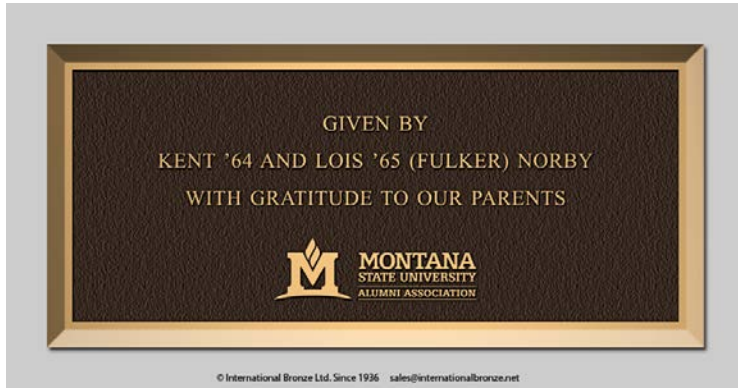
Becky McMillan, Auxiliaries Services

Robert Putzke, MSU Police

JoDee Palin, Arts & Architecture

ITEM # 4		Public Art Committee Requests Academic R&R Funds to purchase and install a commemorative plaque at each MSU-owned and displayed public art piece.				
PRESENTERS:						
Jim Thull and Victoria Drummond, PAC Co-Chairs						
PROJECT PHASE:	PLANNING	X	SCHEMATIC		DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS
VICINITY MAP:						
Multiple locations throughout the campus.						
STAFF COMMENTS:						
<p>MSU-Bozeman owns and displays a collection of approximately 30 public art pieces. Public art is strategically disbursed and displayed throughout the campus. The collection of public art work covers numerous decades of gifts and commissions and represents a diversity of materials, techniques, concepts and artists. MSU’s public art inventory is unique and eclectic.</p> <p>The public art inventory includes numerous artists. Several artists have multiple art pieces on the campus; several had an association with the university as alumni, faculty or student at the time the art work was gifted/donated to the university; many of the artist’s are connected to the state of Montana; some attained international recognition with art work in museums throughout the world. Some artist’s reside in the Gallatin valley, while others are now deceased, and at least one campus art piece was the artist’s final production.</p> <p>Some of the art pieces include an artist signature; some include the title of the piece; and a few pieces have a small placard that provides installation information; most pieces do not have any notation what so ever. There is no consistency in what is communicated to the campus community and passersby.</p> <p>The PAC would like to install on all unmarked public art pieces an identifiable plaque with basic information that respectfully recognizes the contribution to the campus environment of learning and discovery with the artist’s name, art piece title and details of the gift or commission and year installed.</p> <p>The information about the artwork and artist benefits all MSU students - past, present and future. It is an appropriate use of the Academic R&R funds as public art is educational and will a better and more public catalog of the art pieces they may be referenced and better used in teaching opportunities.</p>						

An example of the brass plaque is shown below. It is the same size as the plaques used in the Alumni Plaza's commemorative benches.



The request is for 21 plaques for existing, unmarked public art work, and installation, not to exceed \$6,000.

COMPLIANCE:	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
<p>Recommend approval of using the Academic Building R&R Fund to purchase and install commemorative plaques for 21 existing public art works on the MSU Bozeman Campus.</p>		



UNIVERSITY FACILITIES PLANNING BOARD

November 20, 2012

ITEM # 5		Request to install five permanent Tobacco Free MSU signs in the interior of campus.				
PRESENTERS:						
Victoria Drummond, Associate University Planner						
PROJECT PHASE:	PLANNING	X	SCHEMATIC		DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS
VICINITY MAP:						
See attached campus map with existing ten perimeter sign locations (dark blue) and the proposed additional five interior sign locations (light blue).						
STAFF COMMENTS:						
<p>On May 22, 2012, UFPB approved ten perimeter locations to display permanent informational signage at key entry points to campus stating “Welcome to Tobacco Free MSU” to coincide with the effective date of the Tobacco Free MSU Campus Policy.</p> <p>In the discussion, UFPB viewed a map with 29 locations marked that were considered by the task force working on effectively communicating the transition from acceptable use of tobacco products on campus while outside and back 25 feet from buildings, to a policy that excludes all tobacco use while on the campus. The UFPB approved the locations identified in general and specifically approved the ten perimeter signs for permanent posted signs. UFPB requested staff return with additional locations as needed – referred to as post policy hot spots. The permanent signs at the perimeter of campus are 12”x18” – the standard DOT sign size used for speed limit and parking control signs. The sign message and appearance was designed by University Communications; and the signs were purchased and installed through Facilities Services and FPDC</p> <p>On July 31, 2012, UFPB received as an informational item, the design of the permanent signs and that the same design would be used on the moveable, sandwich board signs that Student Health was able to purchase with a health initiative grant.</p> <p>On August 31, 2012, the effective date of the Tobacco Free MSU Policy, all intended signage was installed and placed on campus.</p> <p>On October 25, 2012, ASMSU adopted Resolution #2012-R-15 indicating their “desire” to have “more signage regarding the tobacco ban.”</p> <p>The proposed additional five permanent signs address the student resolution for more signage. As with the perimeter signs, these additional five signs will be attached to existing posts where possible in order to reduce expenses and landscape sign pollution.</p>						

Staff suggests that adding the proposed interior permanent signs to the perimeter and movable sandwich board signs and along with the MSU website information that the tobacco free policy is effectively communicated without excessive signage. Also, light pole banners have been suggested and Staff reminds UFPB that during the light pole banner discussion (and approval for South 11th, Grant Street, SUB loop and Romney Oval to Johnstone Center) that the intent of the banner message be general, positive, and used to indicate a sense of place and not for use to enforce policy or discourage particular behavior – and therefore the Tobacco Free MSU message should not be considered for street or pedestrian corridor light pole banners.

COMPLIANCE:	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
Recommend approval of the additional signage as presented.		

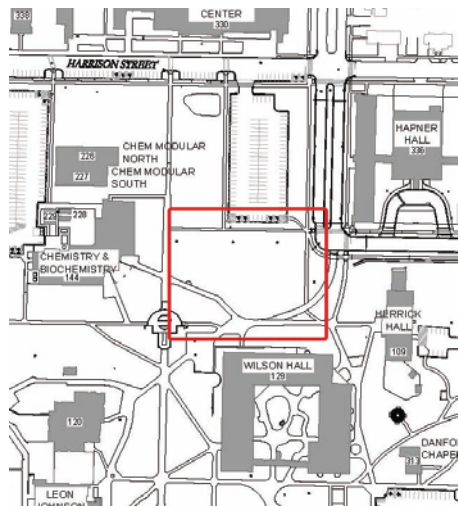
ITEM # 6	Accessible Entrances for the new College of Business
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PRESENTERS:

Dennis Raffensperger, University Architect

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



The highlighted square shows general area for the construction of the new College of Business building, located just north of Wilson Hall and east of the Chemistry & Biochemistry Building.

STAFF COMMENTS:

On October 9, 2012 UFPB reviewed and approved the general design for the proposed College of Business building. At that time, the design drawings designated that there were three ADA accessible entrances and routes to the buildings. The first would be located on the west side of the building, the second would be located on the north side of the building and the third would be located at the southeast corner of the building. The design drawings up until the 100% Design Development phase have been adhering to this original design intent. However, it has recently become apparent that an ADA accessible ramp to service the north entry poses several problems, summarized below:

1. North facing ramp will experience freezing issues with runoff and snowmelt.
2. Snow removal will be very challenging given the size of the landing and location of railings.
3. The project is attempting to protect the existing row of trees on the north side of the building. Installing a ramp feature may encroach into the canopy and cause long term damage to the tree.

In order to avoid the freezing, snow removal and potential tree damage issues, it is requested that UFPB approve a reconfiguration of the ramp design to allow access into the western entry of the building. This would effectively:

1. Decrease the distance of ramp travelled from accessible parking space to a sidewalk network or to the west entrance to the College of Business.
2. Allow for better access for snowplowing and storage operations.
3. Remove the encroachment of a retaining wall or ramp structure under the critical canopy of the existing shade trees on the north side of the building.

The figures below illustrate the existing design solution and the proposed modification.

Figure 1: Existing approved design solution

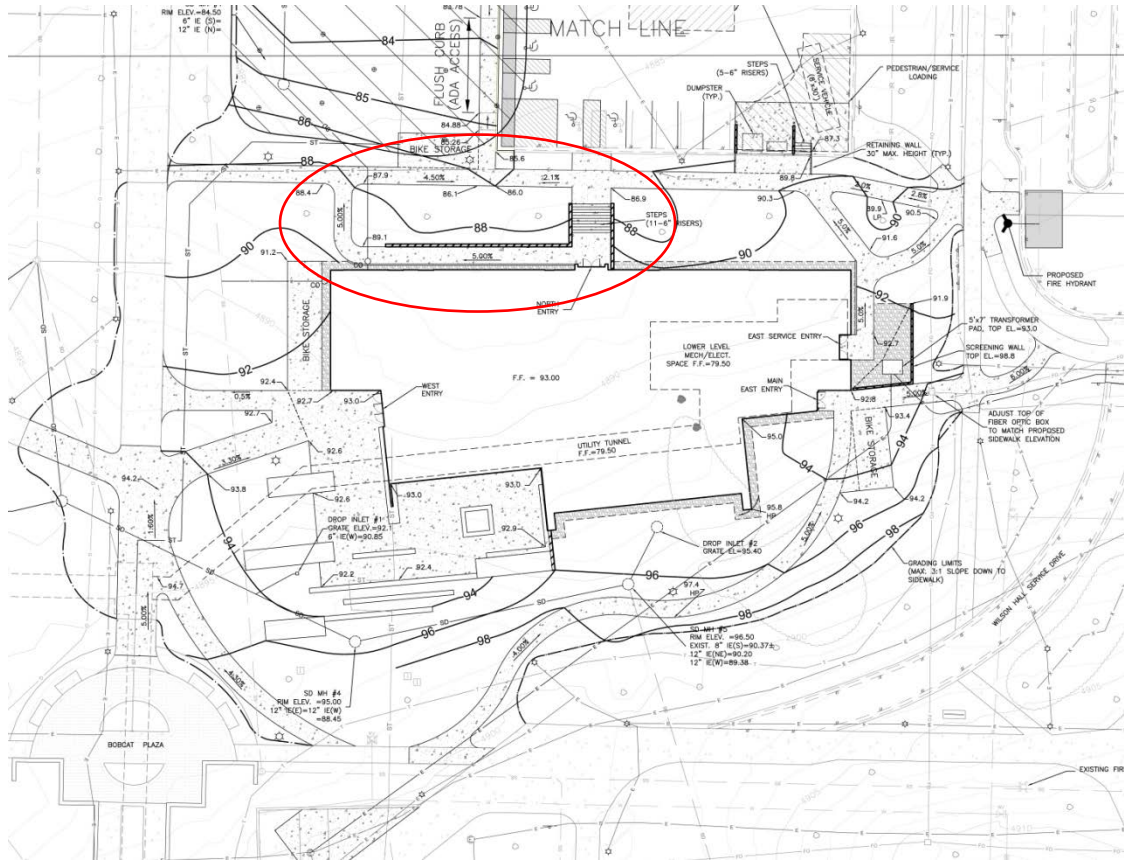
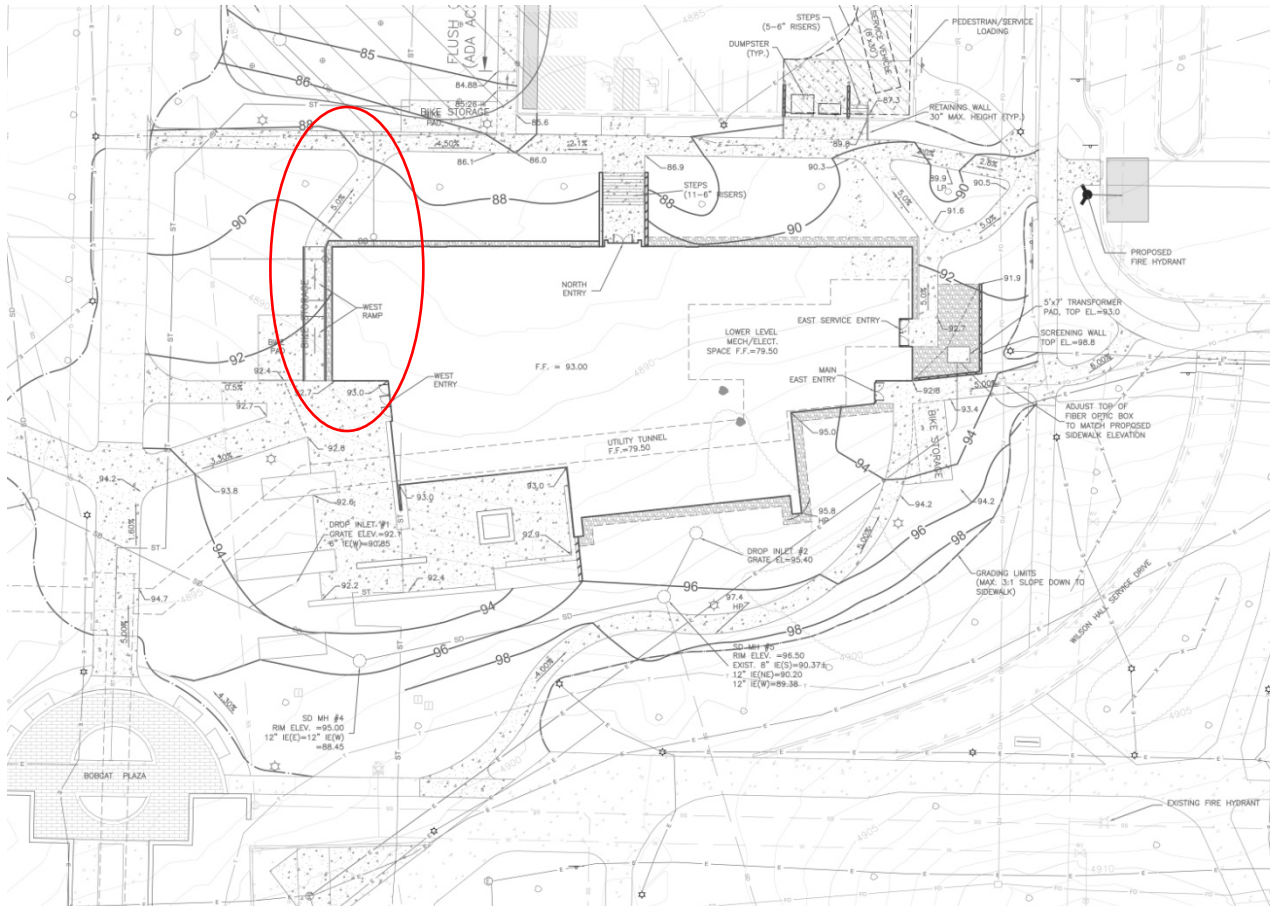
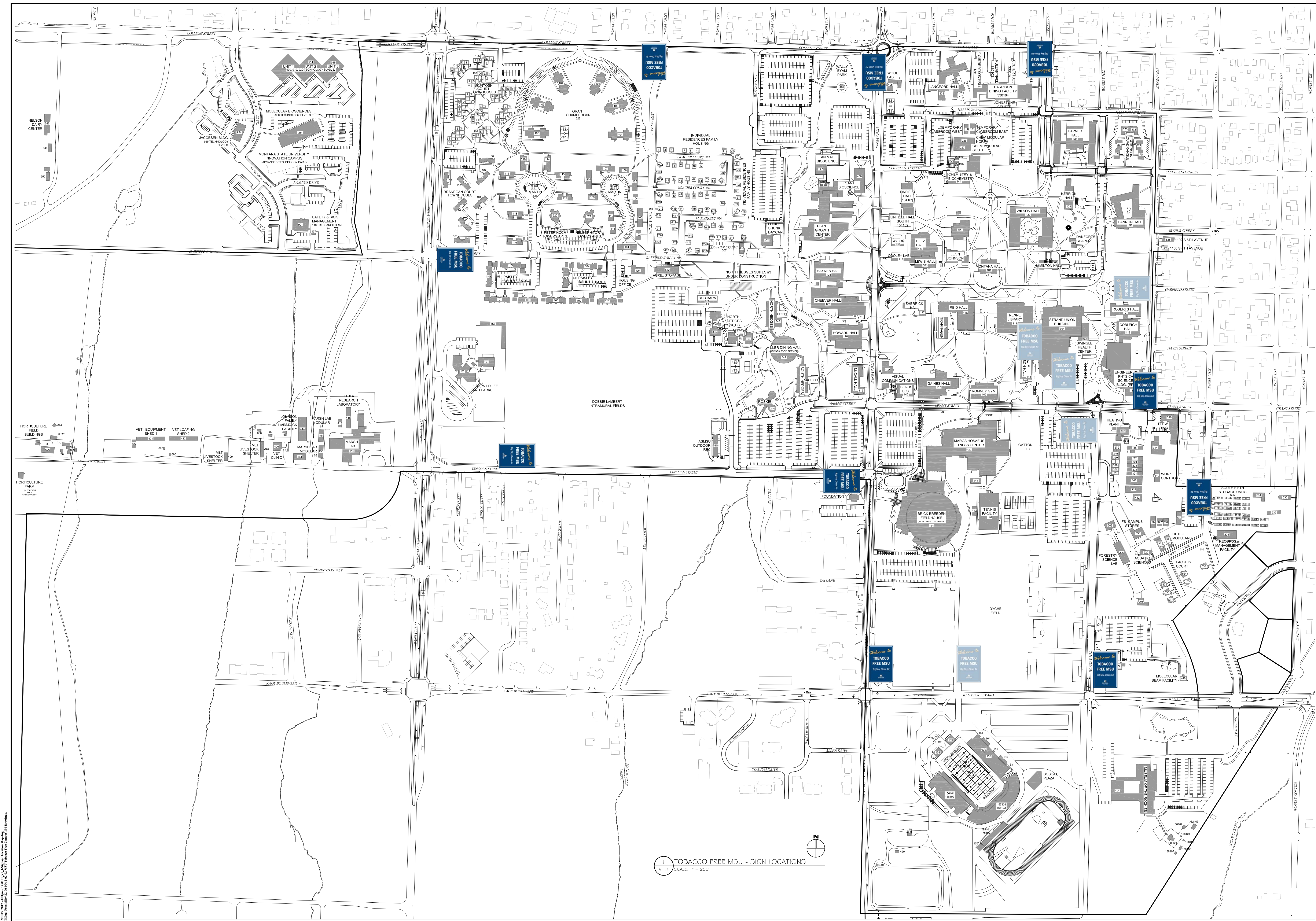


Figure 2: Proposed design solution



COMPLIANCE:	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
<p>Recommend removing the ADA accessible ramp from the north side of the College of Business building’s site layout and providing an ADA accessible route to the west side of the building that can be accessed from the parking on the north side of the building.</p>		
RECOMMENDATION OUTCOME:		



1 TOBACCO FREE MSU - SIGN LOCATIONS
 V1.1 SCALE: 1" = 250'



**MONTANA STATE
 UNIVERSITY**
 TOBACCO FREE MSU

PRELIMINARY - NOT FOR CONSTRUCTION

FACILITIES PLANNING,
 DESIGN & CONSTRUCTION
 MONTANA STATE UNIVERSITY
 BOZEMAN, MONTANA
 PHONE: 406.994.4131 FAX: 406.994.6572

DRAWN BY:			
REVIEWED BY:			
REV.	DESCRIPTION	DATE	

PPA12-0101
 ...

**SHEET TITLE
 SIGN LOCATION
 MAP**

SHEET
V1.1

DATE
 11-01-12

Scale: 1/8" = 50' - 11/16" = 250' - 1" = 250' - 1 1/8" = 312.5' - 1 1/2" = 375' - 1 5/8" = 437.5' - 2" = 500' - 2 1/8" = 562.5' - 2 1/2" = 625' - 2 5/8" = 687.5' - 3" = 750' - 3 1/8" = 812.5' - 3 1/2" = 875' - 3 5/8" = 937.5' - 4" = 1000'

**MEETING NOTES OF THE
UNIVERSITY FACILITIES PLANNING BOARD
October 9, 2012**

Members Present: Nancy Cornwell – Chair, Walt Banziger - Vice Chair, Kurt Blunck, Dan Stevenson for Jeff Butler, Michael Everts, Christina Fastnow, Mandy Hansen, Lisa Duffey for Jeff Jacobsen, Patricia Lane, Linda LaCrone for Tom McCoy, Bob Lashaway for Terry Leist, Jim Rimpau, Tom Stump, Jim Thull, Cara Thuringer – ASMSU, Brenda York

Members Absent: Ritchie Boyd, Allyson Brekke

Guests: Dennis Raffensperger, Todd Jutila, Tracy Ellig, Joe Tavary, Haley Schranck, Sam Lombard, Sam Irons, Kasey Welles, Theresa Lindenau, Kasey Belzer, Nick Kosenkranius, Kristin Elsner, Pablo Prats Mira, Brian Cichosz, Andi Duroux, Connie Strittmatter, Greg Durham, Tyler Soares, Hannah Wahlert, Sam Atkins, Audrey Lee, Susan Dana, Dave Mogk, Victoria Drummond, Ben Lloyd, Lindsey Klino, 15 others declined to sign the register

The University Facilities Planning Board met beginning at 3:30 pm in Leon Johnson Hall, Room 339 to discuss the following:

ITEM No. 1 – Approval of Meeting Notes

Thull moved to approve the meeting notes from September 11, 2012. Blunck 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 – Faculty Senate Appointment, Tracy Dougher, to Classroom Committee

ITEM No. 4 – Recommendation – Review College of Business Site Plan, Floor Plans and Exterior Elevations

Walt Banziger introduced Ben Lloyd with CommaQ Architects. He is the local design consultant and is partnered with Hennebery Architects from Portland, Oregon. Banziger summarized that the building will be located at the corner of Cleveland Street and 8th Avenue, a building site north of Wilson Hall. It is set according to the Long Range Campus Development Plan (LRCDP) for densifying campus, proximity to the historic core of campus, and walking distance to academic buildings being 10-15 minutes away. The building is placed equidistance off the center sidewalk from the bobcat down to Harrison Street and Johnstone Center. That green space will be preserved as well as from Herrick Hall to Linfield Hall as part of the LRCDP. Those created setbacks for the building as well as for the street and parking lot. The building will take up portions of the parking lot during construction for staging materials and when the building is done for new handicap parking, new service parking, dumpsters, etc. Parking will be replaced and two new rows will be created so there is no net loss of parking. There is a southeast entry, a north entry, and a west entry. Service access will be on the north east side.

Ben Lloyd presented an overview of the mechanical system, site plan, floor plans and exterior elevations. The mechanical system is a three part system. A local mechanical system at the College of Business building and the Leon Johnson Plant will assist the project in providing energy. The third component is the main MSU Heating Plant. There are 45 500 ft deep geothermal wells for the local mechanical system. The building is oriented in the east/west direction, which affords great passive solar access on the south side of the building where the classrooms are. The north side of the building is for faculty services, institutes, offices, and support spaces to the classrooms. The two primary materials are terra cotta on the north elevation and zinc on the south elevation. Zinc is a natural material represented as a 300 year material. Both materials were decided with beauty and maintenance in mind. The terra cotta is a rain screen system that hangs on the building. The waterproof system is directly behind the terra cotta and will allow air movement. Sculptural forms will provide shade to the south facing spaces as well as the metal frames providing shade to the west facing spaces. A large curtain wall near the main entry with an image of the state of Montana is backlit and will glow at night. A café is at the southwest corner and the walls will open up to the plaza so the space can expand. The two classroom spaces on the ground floor can also open up to expand for events. The column of blue tinted windows is operable. Future long range plans include an auditorium on the north side.

The terra cotta is a modular material and there is a geologic stratification of that part as well as other geologic connections to the zinc side. Two active solar components are in the southeast corner: photovoltaic panels and solar hot water preheat tubes are being pursued. The main west entry opens to the large common area that also provides connection to the two building masses. The two large classrooms have moving walls so the whole space can become one. There is an epic lab, which is an opportunity for the College of Business to collaborate with other entities on campus. More classrooms and offices are on the second, third and fourth floors. The dean's suite and conference room are on the third floor. The building is intended to be USGBC LEED Silver Certified at minimum. Morrison Maierle, engineers working on the project, have partnered with ARUP Engineers, a globally recognized sustainable engineering group who is helping with energy modeling and will help to determine appropriate systems. When the building is done it will likely be the most sustainable building on campus in terms of energy efficiency, solar gain, photovoltaic, temperature control, etc. The sculpture on the exterior transmits through the building what is happening inside and denote the public spaces within the building. They show outside what is happening inside. The southern wall is glass for solar gain in the winter and shaded in the summer. Susan Dana added that they wanted to create as many collaborative spaces as possible. It is focused on collaboration and drawing people, not just from the College of Business, but students from other colleges and the community. The interior of the building will be brought back to UFPB for review.

Board comments:

Cara Thuringer of ASMSU questioned if the building contained a family restroom and Banziger replied that it will have one as well as a unisex restroom. Jim Thull questioned how firm the exterior design was for the preheat tubes and solar panels, and was uncertain what they were voting on. Banziger replied they are voting on the overall look including the preheat tubes and solar panels if they can get them in with the budget. Thull commented that solar panels have more function and if they had to lose something he would choose the glass. Tom Stump questioned if the zinc material oxidized over time and Banziger replied that it will weather, but should remain its general color. Mandy Hansen wanted to see elevations that showed the service drive more completely and asked if it would be screened. Banziger replied that the details are still being worked on, but there will be a retaining wall with the dumpsters tucked in behind and there may be a screening wall. Patricia Lane questioned where the handicap access is and Banziger replied that all three entries are handicap accessible, there is an elevator in the building and there will be handicap parking. There will be a 1/12 grade from the parking and sidewalks will be adjusted so they aren't too steep. Mike Everts wanted to know if there were examples of the terra cotta rain screen detail in this climate. Banziger replied that it's originated in northern Europe and is close to all four seasons. It will be the first in Montana. There is one in Portland and the architects would know of other places in the northwestern territories. Hansen questioned what would be done for visitor parking and Banziger replied that there will be five spaces near the handicap parking. Current parking lost from the handicap area, visitor area and service area will be replaced.

Public comments:

It was questioned, sustainability wise, if there was an issue with a flat roof. Lloyd replied that the flat roof will hold the snow and will have a white membrane to reduce the heat island effect. Sam Atkins, President of the Network of Environmentally Conscious Organizations (NECO) on campus thanked the design team for considering sustainability so broadly, but expressed two concerns. One is the impact the location of the building has on the trees. That group of trees represents a carbon bank and he is concerned with the impact on the carbon footprint of the university and specifically how it correlates with the university president's commitment to climate. One of the goals of the Climate Action Plan is to become carbon neutral. His other concern was about providing covered bike parking. With concerns of having the appropriate number of parking spaces one of the ways to reduce pressure on the parking around this building would be to provide covered bike parking. It would encourage people to ride their bikes year round. Banziger replied that they are looking at parking for bikes scattered around the site and will look at covered parking. Banziger also mentioned that the project budget is \$18 million and they are very tight on the budget. So they do need to make tradeoffs between building program elements, educational elements, sustainability elements and other elements, which are all being weighed together. In response to the tree issue, Banziger explained that the committee took a lot of effort and a lot of considerations and how they affect the siting of the building. They held a lot of public forums, went to public presentations, received input from a lot of groups and had a lot of factors in determining the site of the building. Three sites were picked based on proximity to utility systems and the steam plant, being sustainable by creating a dense campus, walking distance of 10 to 15 minutes between academic buildings, access for students from the dorms, and impact on trees, which was heavily considered. Nine trees on the site will be relocated and 15 will be removed. Six Ash trees to the north of the building are intended to be protected and saved. One might be at risk because its health. To offset the carbon impacts, a tree plan is in place for replacing trees on site and the rest of campus. To densify the campus, the tree plan for the future looks at the Long Range Campus Development Plan and Landscape Master Plan. Both plans look to preserve green spaces on campus and the building site is consistent with those. As long as future generations follow the plan, trees will be put back in those green spaces and be protected. A couple steps back need to be taken in certain areas, but replacing trees in those protected areas will allow campus to move forward for the

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long term. An individual identified himself as Faculty and said it is outrageous that the building being called a LEED building when an old grove stand of Spruce of about 18 trees is cut out and he doesn't see that any of those will be preserved. He said the building should be sited slightly to the north to maintain the grove of 80-100 year old trees. When Faculty Senate discussed the sites, it was the general placement of the building and its flexibility to be put further north to not impact any trees. Then it seemed that the location was decided without further input from the public. Banziger clarified that the project did go through the design process and all three sites went through public forums, UFPB and the President. Comments were received on all the sites and conditions were discussed when the site was picked. It came to UFPB as a public forum with open comment, was heavily discussed, and was not a back room decision. Another person commented that he was part of the discussions, as a member of Faculty Senate, and doesn't remember this amount of trees being taken away as part of the discussions. He said moving trees is hard to do and a lot of trees die from it and parking and the Long Range Campus Development Plan seem to be the two things stopping the building from moving away from the trees. A discussion about putting multi level parking near the new building got shot down and he doesn't think we should be planning for this building with the thought that there's going to be a parking garage there. He believes that if things go against parking in the long term plan, then the long term plan should be questioned. He asked what it would take to reopen the discussion about where that building will be placed. Banziger replied that the discussions have gone through the entire process and the President has made her decision, and at this point the site selection is closed and done. To go back it would set the project back six months or more, in terms of deliverability. A student commented that a group of students have expressed outrage on the placement of the building and he feels that it wasn't publicized enough when the discussions were happening. He asked if it would be at all possible to move it to the parking lot space since parking is not a huge problem on campus. He would like to open up the discussion again for a larger group of students to put their opinions in. Banziger replied that all comments are being shared with the committee and administration, but at this point it is out of the hands of this group as designers. It was asked what would stop the building from being moved to the north and Banziger replied that promises were made to the residence hall residents, particularly female residents, on taking up the parking spaces and creating a longer walking distance at night. That was one of the primary reasons of not putting it in the parking lot and losing parking. Stump also commented that a lot of work was done with the Interhall Association and the community and they voiced those opinions and most of the parking lot was saved for the students that are housed in the northeastern quadrant of campus. There was a lot of legwork to retain that parking. A student questioned why the building couldn't be moved a little to the north and the parking be moved to the other side of the walkway. Banziger replied that he can't answer all the points, but it went through a lot of decisions. Another comment was that this is the first time he has seen an extension of the parking into the green space. 40 years ago, where there is green space on the master plan, there are now temporary labs. The master plan was ignored and now those temporary labs are permanently there. That space gave residents a space to recreate and it's been taken away. Additionally, the plan calls for the opening of Harrison Street which will take away basketball courts. The volleyball court beside Langford Hall has also been taken away. So the space is slowly being chipped away. He would like to see that space opened up again, and if not, he would like to see a recreation space where the family graduate houses were. Banziger replied that the basketball court is tentatively being looked at as going over where the family graduate houses were. So it would not go away in its entirety, if Harrison Street is opened up. The temporary classrooms will be there a minimum of two years and are not intended to be permanent. Once the College of Business is done and classrooms opened up, they would be used for turnover space for the Romney Hall and Reid Hall renovations. Once those are done they would go away. A comment was made that he is skeptical given that the temporary labs were supposed to go away when Gaines Hall was complete. Banziger replied that the temporary labs aren't on a foundation; they are on blocks and, at some point, have to go away. A student asked who they would talk to in order to get the building moved and what the process would be. Lashaway replied that all the meetings have been widely advertised, they have been to ASMSU, and a lot of effort has been put in to getting this out. He doesn't know how to go back and re-enter the process. The students, various work groups, and sustainability groups have been involved all along. The outcome isn't what every individual would like, but that's not to be confused with not having been heard, debated or considered seriously because a lot of people have been in the process and done that. Banziger also mentioned that they have talked to the Campus Sustainability Advisory Committee (CSAC) and they expressed the same concern about trees, but also expressed a lot of praise for a lot of other efforts going into the building in terms of sustainability. It's gone through a lot of different processes and groups and to set that back would be a tremendous cost to the university and a tremendous delay to the project. Going through a process that has already been gone through will likely create other ones. If the building is moved 100 feet to the north, the tree group would not be here. It would be the residence hall students asking why parking is being taken away and saying to move the building to another location. The siting of the building can't satisfy every group on campus. The best efforts are taken with all the criteria that are impacting the building and a decision is made that is best for the long term growth of campus. Thull responded that the answer the student's question is it would be the President that he would go to about moving the building. A faculty member addressed the students and said moving the building has to be from the students to the President. He also commented about the coordination of space on campus. Years ago there was an adaptation to the Wilson Hall design to accommodate the grove of trees that stand on the inside of Wilson Hall. They were going to be cut down at that time, but students protested and

prevented those trees from being cut down, making Wilson Hall so much nicer with the trees in its interior space. He believes re-situation of the building slightly would alleviate some of the problems.

Final Board Comments:

Stump asked Dana if the donor has seen the new materials and she replied that she believes he has. Stump moved to recommend the exterior appearance of the building. Fastnow seconded the Motion. Thull was still unclear and asked if the preheat tubes and solar panels were a sure thing and if they were voting on the terra cotta and zinc or all of it. Banziger replied that they were voting on all of it if it can be fit into the budget. Thull had a hard time voting on the appearance if something could be lost. Stevenson replied that for the solar collector there is a lot of constructability work in the design to know how that would work on that part of the building, and is part of the contract document phase where a lot of detailed engineering work is done. If that part of the project can be made technically feasible and constructible then there is a high chance it would go into the project because solar shading is needed for that surface anyway. So the incremental cost to make it an energy source is fairly small. Thull questioned what would replace it if it went away. Stevenson replied that it would be something architectural that would function as a shade. Banziger also replied that the top would still be glass if there aren't photovoltaics. The appearance of the roof shouldn't change significantly either. Stump added to his motion that if something dramatically changed it would come back to UFPB. Banziger clarified that what is shown at this stage is lining up with the projected cost of the general contractor. Blunck questioned what milestones would be left for UFPB and Banziger replied that the interior would be the last one unless something significantly changes. The Motion was unanimously approved.

ITEM No. 5 – Recommendation – Request to Use Academic Building R&R Funds for a Gaines Hall Compressor

Victoria Drummond presented an overview of a request to use Academic Building R&R Funds for a Gaines Hall compressor. The request was received from the Earth Sciences department head, Dave Mogk. The compressor is necessary for classroom instruction, specifically geochemistry and paleontology courses that are taught in Gaines Hall. It was discussed early in the programming stage, but compromises were made and not everything necessary made it to the final plan. The department appealed to EFAC for \$7,000 and received it and purchased the compressor. Work Control estimated the installation at approximately \$8,000. Department proposal is to install it in Room 134A near the dock area, which is very durable, sound proof and for equipment of that type. The \$8,000 estimate is too much for the department and they request use of the Academic Building R&R Funds because it supports students.

Drummond reminded UFPB that they approved the guidelines for use of the Academic Building R&R Funds in August, 2012. Guidelines specify appropriate use of funds is to augment department contribution. The department did what they could by purchasing the compressor. It will be in an appropriate place, will not displace any occupant, and connect to infrastructure that's already placed in the building. Drummond reminded the board of all the recommendations to use Academic Building R&R funds the board made since August 2011: \$300,000 was allocated for the Wilson Writing Center; \$150,000 was allocated for Leon Johnson Hall, Room 339; and \$175,000 was allocated for EPS Building, Room 103. There is another request at this meeting as well as one at the next meeting. Thull questioned how many students this would benefit. Mogk replied that they have 30 paleontology majors and the courses would encompass a paleontology preparation course, a preservation course, a large number of independent study projects, and undergrad scholars projects. The lab is used every day. The airline would go to the paleontology lab and to a standard wet chemistry lab. Lashaway reminded the board that this was in the original design of the building and, due to budget constraints at the time, was one of the things eliminated. Piping was still able to be done in the original project. With the compressor installed, Facilities Services will take responsibility for the maintenance as it was part of the original building intent. The department and instructional funds will no longer have to buy compressed gas all the time. Hansen asked Drummond how much funding was available from the Academic Building R&R Fund. Drummond handed out a sheet from Facilities Accounting that shows all the projects that have been funded along with the dollar amount that is currently in the account. An accountant wasn't available to go into the ledgers and identify what has been contributed. So there may have been credits made that aren't shown. Drummond will have the amount confirmed for the next meeting. Based on accounting data provided, it appears there are sufficient funds for all the requested items (through next meeting agenda) with approximately \$735,000 left in the account that is still accruing fees. \$1.5 million may be everything since the fund was developed.

Lane questioned if it was near Room 130 and Drummond replied it is off the dock and lower than the first floor. Lane was also curious how noisy it would be and Stevenson replied that the noise shouldn't be an issue. Piping is on one level and would not go to the floor above. Often the pipe is what transmits the noise. Lashaway suggested plugging it in and firing it up to see what the sound transmission is before installation. Banziger also mentioned it could come back to UFPB as an informational item with the decibel readings before it is permanently installed. Lane moved to allow use of the Academic R&R Building Funds for installation of the air compressor. Blunck seconded the Motion and it was unanimously approved.

ITEM No. 6 – Recommendation – Request to use the Academic Building R&R Fund for Linfield Hall and Linfield Hall South Fire Sprinkler Installation

Dennis Raffensperger presented an overview of a request to use Academic Building R&R Funds for the Linfield Hall and Linfield Hall South fire sprinkler installation. The project in design in both Linfield Hall and Linfield Hall South has several components. One component is additional restrooms and remodeling of restrooms on the first and third levels of Linfield Hall as part of an accessibility project. The second component is to install an elevator and an additional fire stair at the junction between Linfield Hall and Linfield Hall South. The elevator will make the first and second levels of Linfield Hall South and the first through third levels of Linfield Hall accessible. About 85% of the building will be accessible when the project is complete. The third component is a remodel of the lecture hall, Room 125, in Linfield Hall South. Linfield Hall South was built about 50 years ago and Linfield Hall was built over 100 years ago. Linfield Hall is a masonry building with a wood interior and Linfield Hall South is a concrete building. By today's code they have different construction types and are required to have a fire separation. The additional elevator and fire stair will be part of Linfield Hall South. The city is giving two choices: execute the fire separation between Linfield Hall South and Linfield Hall, which is difficult and not in the budget for the project, or fully sprinkle both buildings, which is also a lot of money. The design team will go back to the city and explain they can afford part of it, but can't afford all of it. They will ask the city to accept two sprinkler risers, one in the existing north stair of Linfield Hall and one in the new stair. Sprinklers would cover the corridors of the buildings, but not the remaining rooms of the buildings. Since the infrastructure would be in place they would commit to the city that future renovated spaces would include sprinklers. The estimated cost of the sprinkler risers and sprinklers in the corridors is about \$225,000 and is not covered in the budget. Some money was found to backfill the project amount and the request is for \$195,000 from the Academic Building R&R Funds to make the project possible. It is a student centered project. A number of classrooms are primarily used by the College of Agriculture in both buildings. Room 125 in South Linfield Hall is Registrar controlled and used by the entire campus.

Thull questioned why anyone wasn't aware of this sooner that with these codes this would be a problem. Raffensperger explained that certain elements of code compliance are discretionary. Working in an existing building, we would not be required to bring the entire building up to current code. The code specifies up to a certain level of work, which is somewhat discretionary. They didn't have a real sense that the scope of the project would trip that level. The primary code official is deferring the decision to the fire marshal who is concerned about the old buildings on campus that have primarily wood structures. Under the fire code he has the discretion to say we need to meet current code. Part of it can be met, which is moving a great deal towards concerns about life safety, and we are hoping the city agrees. It's the discretionary aspect of this code that this has come up somewhat unexpectedly. Hansen questioned what would happen if the funds were committed and the fire marshal did not accept the proposal. Raffensperger replied that the project would stop until additional funding is secured, and the \$195,000 would revert back to the fund. They could work with the code and work out an agreement. The campus fire marshal got involved and suggested offering a dry standpipe in each of the two stairwells for about \$35,000, which they thought could be absorbed through the project and the city said it wasn't enough. That's why they are scrambling to come to a mutual agreement so they can make this project happen. The city understands that having the project is a major improvement in life safety in the building. The north stairwell of Linfield Hall and the open stairwell in the middle of the building is not a good exit scenario. The fire escape on the south side of the building covers the third and fourth floors also is not a good exit scenario. The city doesn't want the project to go away, but they are trying figure out how much they can get. Blunck questioned what happens with the accessibility project if it ends and where that leave us with accessibility issues. Raffensperger replied that the project will be contracted. They will still do the restrooms and classroom renovation and then look for additional money and execute the rest of the project when they can. The city is pushing harder on the issues with older buildings. York commented that it is \$195,000 well spent to make the building as accessible as they can, especially with more mobility problem students on campus. Thuringer questioned why you wouldn't want to put sprinklers in a wooden building. Banziger clarified that they do want to. The issue is finding the funding source. They've tried other sources to go to, including the LRBP, and there are none available. This fund is the only one available. Lane also clarified that the issue is whether or not these funds are used, which are put in by students for their benefit. Banziger commented that a wet system in the stairs and down the corridors should be a satisfactory solution. It also puts in the mains going down the corridors, which allows any future small project to easily tap off of that and put them in the spaces down the road. The water service to the building would be sized to accommodate the entire building. It's a big step forward in doing it rather than trying to find \$600,000 at once. Raffensperger explained they installed a state of the art fire alarm system four years ago, are adding a full fire stair and felt they were going a fair ways towards increasing life safety concerns in an old building. Drummond commented that since it's over \$150,000 it would need the Board of Regents approval. Thull moved to approve the use of the Academic Building R&R Funds for the Linfield Hall and Linfield Hall South fire sprinkler installation. Stump seconded the Motion and it was unanimously approved.

This meeting was adjourned at 5:15 p.m.

VCD:lk

PC:

President Cruzado
ASMSU President
Jody Barney, College of Agriculture
Pat Chansley, Provost Office
Victoria Drummond, Facilities PDC
Heidi Gagnon, VP Admin & Finance

Diane Heck, Provost Office
Jennifer Joyce, Planning & CIO Office
Linda LaCrone, VP Research Office
Shari McCoy, Presidents Office
Becky McMillan, Auxiliaries Services
Julie Kipfer, Communications

Lisa Duffey, College of Agriculture
Robert Putzke, MSU Police
Bonnie Ashley, Registrar
JoDee Palin, Coll of Arts & Arch

DRAFT

**MEETING NOTES OF THE
UNIVERSITY FACILITIES PLANNING BOARD
October 23, 2012**

- Members Present:** University Facilities Planning Board: Walt Banziger - Vice Chair, Jeff Butler, Greg Gilpin, Bob Lashaway for Terry Leist, Ritchie Boyd for Martha Potvin, Tom Stump, Jim Thull, Cara Thuringer – ASMSU
- Proxy:** Kurt Blunck and Patricia Lane carried by Walt Banziger, Brenda York carried by Tom Stump, Allyson Brekke and Tom McCoy carried by Victoria Drummond
- Members Absent:** Nancy Cornwell - Chair, Michael Everts, Chris Fastnow, Mandy Hansen, Jeff Jacobsen, Fatih Rifki, Jim Rimpau
- Guests:** Matt Carr

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

ITEM No. 1 – Approval of Meeting Notes

The October 9, 2012 meeting notes will be approved at the next meeting.

ITEM No. 2 – Executive Committee Report

There was no action from the Executive Committee to report.

ITEM No. 3 – Consent Agenda

ITEM No. 4 – Recommendation – Proposed Campus Air Conditioning Policy

Matt Carr presented for a second time an overview of the updated Campus Air Conditioning Policy. It was originally created with the intent to curb uncontrolled installation usage of temporary window mounted air conditioners. It's important to maintain the visual appearance throughout campus and control the electrical usage. Language was added to the "Introduction and Purpose" to explain why spaces get hot due to increased loads from computers and how buildings in the past were designed without cooling, but still designed to be comfortable. The "Policy" section was clarified and places more emphasis and responsibility for building occupants to work with Facilities Services so something can be done without putting in individual window or portable air conditioners. Portable air conditioning devices were added in as the previous version only mentioned window units. Also added was that air conditioning aspects of residence facilities will be governed by pertinent Residence Life policies. In the "Procedures" section, "Cost Responsibility" was moved to the top so it's the first thing read. The requesting department is responsible for the cost. For "Need" occupants have to demonstrate a reasonable attempt to reduce cooling loads other than by mechanical means in order to place a request. Facilities Services is available to help occupants with changing their habits or working with janitor services to open windows at night. Facilities Services will go through a process for a solution, and as the last case will come up with a cost and an air conditioning plan, which would be presented to UFPB. "Installation Factors" hasn't changed and units should still be installed per the Construction Activities Policy. "Aesthetics" is a primary consideration. For "Maintainability" units should be installed at a location where it can be maintained by Facilities Services. For "Responsible Energy/Resource Use" units can greatly increase the energy usage of a building. Since it comes out of the Facilities Services budget the user doesn't see that cost. For "Ownership of A/C Installations" Facilities Services is generally responsible for the operation and maintenance costs and eventual capital replacement costs for central building systems. The "Control/Enforcement" section was shortened and reviews the process of working through Facilities Services and then presenting a proposed solution to UFPB for approval.

Stump requested that the last sentence in the "Policy" section be changed to say "governed by pertinent housing policies" rather than "governed by pertinent Residence Life policies." Boyd wanted clarification that in "Installation Factors" the Construction Activities Policy didn't preclude the window operated units that take up a small part of a sliding window. Lashaway clarified that the Construction Activities Policy doesn't say what can and can't be put in. Banziger further explained that the Construction Activities Policy says you have to go through Facilities Planning, IT, or Facilities Services for appropriate work. Boyd understood that it's not excluded, but that there are considerations to be made for the particular type of unit. Thuringer questioned if these units would be a permanent fixture to the building or are temporary. Banziger replied that they are the residential grade units that sit in the window and were proliferating around campus. For energy, aesthetics, and safety reasons the policy was created to control them.

Lashaway explained that the process for this policy is for UFPB to recommend it to University Council. If they agree with it, it will be posted for three weeks, considered, and then approved. He recommended that the policy be presented to CSAC for their recommendation before going to University Council. If there are significant changes from CSAC it will be brought back to UFPB. Lashaway moved that UFPB review this policy with CSAC prior to forwarding it to University Council. Butler seconded the Motion and the Motion was unanimously approved.

ITEM No. 5 – Recommendation – Verizon Wireless MT8 Bobcat – supported by the MSU Telecommunications Antenna Committee – request to relocate four existing antennas on Leon Johnson Hall rooftop.

Victoria Drummond presented an overview of relocating four existing antennas on Leon Johnson Hall rooftop. With the renovation projects to Leon Johnson over the summer a substantial amount of equipment was located on the rooftop and it creates interference. The antennas are completely obstructed by the equipment. The lease agreement MSU has with Verizon Wireless states that they need to make their antennas work at their cost and they would relocate them. Facilities Services would supervise that to protect MSU assets. AT&T put an antenna in the same eighth floor area and because of where the antennas are moved to it required new cabling. This will parallel what AT&T put in so there will not be any new penetrations in the rooftop and they will be in the same cable tray area. The antennas will be located on a penthouse piece on the west side of the building and colored the same as the building. The only other solution looked at was to leave them where they were, but make them higher. However, making them 10 feet higher did not give them the clearance they needed. Butler moved to approve the relocation of the four existing antennas on Leon Johnson Hall rooftop. Thull seconded the Motion and it was unanimously approved.

ITEM No. 6 – Recommendation – Public Art Committee Recommends that the Conkey Wall Sculpture be returned to the Renne Library and installed in a public area.

Victoria Drummond presented an overview of a recommendation from the Public Art Committee that the Conkey Wall Sculpture be returned to Renne Library. One of the Conkey sculptures, that used to be in the atrium area when there was an atrium and fountain in the library, was moved to the Atkinson Quadrangle area. The second sculpture that hangs on the wall was crated and put in storage. The Public Art Committee looked at how to get it back out for display in the community and received a request from the Dean of the Library that it is returned and that they would pay to have it reinstalled in a public area of the library. Jim Thull added that the exact location is still being worked on, but it will go in a prominent first floor location. Drummond mentioned that Conkey was a professor at MSU up until his passing and he produced several pieces and gifted the university with them. Stump moved to approve that the Conkey Wall Sculpture be returned to Renne Library. Lashaway seconded the Motion and it was unanimously approved.

ITEM No. 7 – Discussion – Provide an outdoor drinking fountain on campus for community use

Victoria Drummond presented an overview of providing an outdoor drinking fountain on campus for community use. This is based on a request to the President from a third year student. The student found it difficult to find a place to get a drink of water outdoors in the evening or on weekends. It was suggested that the university look at providing an outdoor drinking fountain on the campus to serve the community. The first thing to look at is what a drinking fountain does. It serves the purpose of providing a source of water, a station to fill a receptacle and could include a place for water for pets. It can also be included in sculptural pieces. Most drinking fountains in our community are seasonal and turned off during the winter. Standard outdoor units that have frost control would still be seasonal for our use. Drummond gave some points to discuss. The first point was its priority because it will take resources, staff and funding. The second point was the style that would be considered. The cost, funding source and where it would be located on campus are other points. The next point was seasonal use and it would likely parallel what is done with irrigation and be kept on between May and September. The final point is that water is available all year long inside buildings, but they do have varying lock down times. The fact that there is water available inside the buildings would factor into the priority.

Thull commented that the seasonal aspect of it limits its effectiveness and there are drinking fountains in most buildings including the library, which is open from 7:00 am to 2:00 am, open all summer and in the center of campus. Stump commented that the SUB is open until midnight. Boyd pointed out that you can't take a dog into either building and questioned what the cost estimate would be. Drummond replied that the least expensive unit, not including other factors, was \$2,500. Lashaway mentioned it is about a \$10,000 installation and Butler said it would require a drain and backflow preventers. Thull suggested it be referred to ASMSU since there isn't readily funding available and is primarily a student focus. Student fees could be suggested for funding. Banziger stated that installation and long term maintenance costs would have to be considered as well. Lashaway questioned how many locations there would be and Gilpin wasn't certain who this would be serving, so he wouldn't know where to put them. Thuringer replied it would serve students and people visiting the campus. She then questioned if there was a way plumbing could be housed internally, such having it on the side of the

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building so plumbing would be inside and the fixture would be outside. Butler replied that it is an option. Thuringer commented that students would like to see more of the drinking fountains with the water bottle filler and Lashaway commented that those were easy to mount inside and an exterior one may be a whole other level of perplexity and interface. It might be more worth it to put the ones with the water bottle filler in all the buildings rather than have an exterior one. Students might rather get those first. Butler reminded everyone that this came from a student and if it was a movement from ASMSU then it could be looked at more seriously. That's why Thull would like to pass it on to ASMSU and have it be student lead. Thuringer will send out a survey to the ASMSU senators. Butler commented if outdoor recreation wanted to put one next to their building it would serve a function there. Banziger also commented that it would make sense to have something there where you're not close to an open building. Butler came across an outdoor drinking fountain in Missoula and one in Billings. The one in Missoula was functioning, but was beat up and the one in Billings wasn't in great shape and was constantly running.

The request won't be completely rejected, but there are other priorities. Boyd questioned what would happen if ASMSU raised money for an outdoor water fountain and Lashaway replied that Facilities Services would work with them and once it was installed Facilities Services would own it and all the maintenance. Boyd commented the students need to consider two things: the cost and if it's a priority for ASMSU, as opposed to indoor fountains or another option. Thuringer believes students would prefer to see building renovations before this, especially if it's going to be more expensive. Putting five of these around campus with a cost of \$10,000 each to purchase and install is \$50,000 that could be spent putting new seating in a room in Reid Hall. She thinks that would be preferred because we are lagging there and this is more of a luxury item. Thuringer will send the proposal to the ASMSU President and it may be put on the agenda for Thursday. She will get feedback and bring it back to UFPB. Thuringer requested a rough estimate and Stump questioned what the unit with the bottle filler would be. Drummond replied it was about \$5,600. Thuringer said that would probably be preferred because it services pets, people without a bottle and people with a bottle. The estimate is \$7,000 to \$10,000 per unit with installation.

ITEM No. 8 – Informational – Interest in placing a Sculpture in the Roundabout at College and S 11th Ave

Victoria Drummond presented information regarding interest in placing a sculpture in the roundabout at College Street and S. 11th Avenue. MSU participated in a conceptual meeting with a committee formed from the Bozeman Chamber of Commerce. The center area of the roundabout was thought to be a good location for a sculpture. Bob Lashaway, Walt Banziger and Victoria Drummond met with the committee to discuss their ideas and make sure they understood the history of the roundabout. In order to facilitate the intersection for the roundabout additional land was needed and most of it came from the university side. An exchange was made so the rights the university had on the land that was used were placed in the center of the roundabout, giving MSU the rights for what goes in the center. The committee's conceptual idea was to show a bridge and a partnership between the Bozeman community and MSU. As a land grant institution the partnership is with the entire state and the university might prefer to do something broader than the connection to the city. The committee will respond in November if they want to move forward.

Boyd questioned if the committee had an idea of a particular piece of work and Lashaway replied Peter Koch was mentioned as one of the contributors of land and was instrumental in getting the land grant college in Bozeman. He also mentioned that in a conversation with the President it was thought that something could express MSU statewide, like agriculture. The committee's interest is local and not around the state. The lines of communication will remain open, but they may not be able to move forward with something. Drummond mentioned the new MSU entrance sign will be on the southeast corner of the intersection, and Lashaway pointed out that the middle of the roundabout was more suited for a nice piece instead of an MSU sign. Thuringer questioned if this did move forward if it could be opened up to the students of the College of Arts and Architecture for design proposals and be a student driven art project. Lashaway replied that it could be. Thuringer suggested parameters in the call for proposals such that it has to represent the state of Montana. Lashaway said it could be artwork and not anything symbolic about land grant, but many people would look for more of a connection to MSU.

This meeting was adjourned at 4:35 p.m.

VCD:lk

PC:

President Cruzado

ASMSU President

Jody Barney, College of Agriculture

Pat Chansley, Provost Office

Victoria Drummond, Facilities PDC

Heidi Gagnon, VP Admin & Finance

Diane Heck, Provost Office

Jennifer Joyce, Planning & CIO Office

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Robert Putzke, MSU Police

Bonnie Ashley, Registrar

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