

MEMORANDUM

TO: University Facilities Planning Board: Nancy Cornwell - Chair, Walt Banziger - Vice Chair, Kurt Blunck, Allyson Brekke, Jeff Butler, ASMSU President, Anne Camper, Glenn Duff, Michael Everts, Chris Fastnow, Greg Gilpin, Mandy Hansen, Carsten Kirby – ASMSU, Terry Leist, Robert Marley, Martha Potvin, Fatih Rifki, Tom Stump, Julie Tatarka, Jim Thull, Brenda York

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

RE: **April 8, 2014**, meeting of the University Facilities Planning Board to be held in the **Strand Union Building Procrastinator Theater at 3:30 pm**

ITEM No. 1 – APPROVAL OF NOTES

Approval of the draft notes from March 25, 2014.

ITEM No. 2 – EXECUTIVE COMMITTEE REPORT

Report on any current Executive Committee actions.

ITEM No. 3 – CONSENT AGENDA -

ITEM No. 4 – INFORMATIONAL - College of Engineering Site Presentation and Discussion - 2nd of 3 Presentations
Presenter – Bob Lashaway

ITEM No. 5 – RECOMMENDATION - Cobleigh Hall Antenna
Presenter – Victoria Drummond and Darryl Curfman

ITEM No. 6 – RECOMMENDATION - Public Art Committee – Sculpture Presentation
Presenter – Victoria Drummond

HORIZON ITEMS

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

VCD/aw

PC:

President Cruzado

Melissa Hill, President's Office

Maggie Hammett, President's Office

Keely Holmes, Provost Office

ASMSU President

Diane Heck, VP Admin & Finance

Heidi Gagnon, VP Admin & Finance

Jennifer Joyce, VP Student Success

Linda LaCrone, VP Research Office

Bonnie Ashley, Registrar

Robert Putzke, MSU Police

Becky McMillan, Auxiliaries Services

Julie Kipfer, Communications

Jody Barney, College of Agriculture

Susan Fraser, College of Agriculture

Robin Happel, College of Agriculture

JoDee Palin, College of Arts & Arch

Victoria Drummond, Planning D&C

**MEETING NOTES OF THE
UNIVERSITY FACILITIES PLANNING BOARD
March 25, 2014**

Members Present: Nancy Cornwell - Chair, Walt Banziger - Vice Chair, Kurt Blunck, Michael Everts, Greg Gilpin, Mandy Hansen, Tom Stump, Carsten Kirby, Brenda York, Fatih Rifki, Martha Potvin, Robert Marley, Ritchie Boyd, Chris Fastnow

Proxy: Bob Lashaway for Terry Leist

Members Absent: Glenn Duff, Julie Tatarka, Jim Thull, Allyson Brekke, Jeff Butler, Brett Gunnick, Renee Riejo Pera

Staff & Guests: Rebecca Barney, Kate Hall, Candace Mastel, Gary Gramer, Sam DesJardins, Andy Allen, EJ Hook, Bill Walker, Glenn Duff, Randy Stephens, Jillian Bertelli, Victoria Drummond, Butch Damberger, Justin Puuri, Jake Scott, Jason Smith, Adrian Sanchez, Daniel Hodun, Kathy Powell, Erik Garberg, Brian Teats, Susan Dana, Kregg Aytes, David Singel, Megan Bittinger, Allison Banfield, Kevin Amende, Clem Izvrieta, Jeanne Marie Callahan, Kristin Blackler, Todd Kaiser, Kathy Osen, Shelly Shroyer, Mike Lynch, Susie Beardsley, Steve Erickson, Maureen Michaud, Grace Dazler, Colin Shaw, Jeff Heys, Dale Huls, (others not signed in possible)

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

ITEM No. 1 – Approval of Meeting Notes

Stump moved to approve the meeting notes from March 11, 2014. Potvin 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 – No items

ITEM No. 4 – Informational – Residence Hall Update

Andy Allen presented an update on the new Residence Hall design and schedule. Allen explained that there are meetings scheduled with the City of Bozeman, CSAC and Neco, Sports Facilities personnel, and multiple student groups for feedback on design. There are two Question & Answer forums that students and the public have been invited to, on April 2nd 1-2pm and April 16th 4-5pm in the Johnstone Academic Center.

The new Residence Hall will have 400 beds, which are comprised of 70% double rooms, 20% semi-suites, and 10% single rooms. This building is designed to be 4 stories tall, 3 wings with two bathrooms on each wing, lounges throughout the building, and a two story lobby area. There is also an RD apartment, a custodial break room with natural lighting, and laundry and kitchen facilities. Allen explained that the design team visited some universities in Colorado to get ideas, and have reached out to MSU Facilities personnel to be able to incorporate operational and maintenance needs into the design.

The site will extend to S. 15th Ave the west to allow access to the building, 100 parking spaces to the north, and a relocated service drive. The current service drive west of Roskie Hall will be removed and that space will become part of Roskie Beach.

ITEM No. 5 – Informational – College of Engineering Site Presentation and Discussion

Walt Banziger presented the plan for the new College of Engineering building and the site selection. The sites have been considered similarly to other recent projects including the new residence hall and the College of Business building, but the process has been expedited forward by exploring four sites. Three sites are south of SUB, west of Hamilton Hall, and north of the College of Business. The fourth site that was explored is the current location of Facilities Services. The purpose of this discussion and the next two meetings is to take input from the public for a recommendation to UFPB.

The proposed site is the one south of the SUB, bordered by Grant Street, S. 7th Ave and the Hosaeus Fitness Center. The priority issues that are being looked at in developing the site are a building that is about 120,000 gross square feet, beginning

to expand the College of Engineering neighborhood with a possible plaza and presentation hall with connection to the current Engineering buildings. The site next to Hamilton Hall is too small for this size building. Connectivity to campus infrastructure, utilities, transportation, roadways and tunnel systems are also important. Availability of the site to build quickly eliminates the current location of Facilities, based on the timeline to build and amount of time and cost involved in relocating these operations. The timeline for this project is to have the architect on board by the end of June and break ground a year from now. The site north of the College of Business is too far from existing College of Engineering facilities.

Banziger explained that the design criteria for the building includes expanding existing College of Engineering laboratory, classroom, collaborative and study spaces, multi-modal user access for both Engineering students and campus as a whole, buildings connected aesthetically and physically to campus, connectivity to campus utility systems, accommodating current and projected college growth, facilitating collaborative opportunities with other colleges, and room for expansion. The sustainability considerations are compliance with State of Montana High Performance Building Standards for a minimum of LEED Silver construction, consideration of impact on existing natural environmental on campus such as trees, solar orientation, connecting to utilities, transportation opportunities, and being a planned building site in the campus master plan. Banziger reviewed the advantages and challenges of this site that are related to planning, multi-modal user access, experience and environment, staging the activities, and utilities and energy availability.

Banziger reviewed the schedule for public forums and the site recommendation process, then invited questions from the audience. Question 1 - where the building would be positioned on the site; Banziger responded that this would be developed throughout the design process and the site will include an exposed plaza and a presentation hall. The presentation hall concept is still being developed but is essentially a location for different types of presentations to take place. Question 2 - an explanation of "community interface"; Banziger explained that this has to do with anytime there are events that are open to the university community as well as the local community, so both interact. Question 3 - Butch Damberger asked about the impact on parking as it effects the SUB and what the plans are; Banziger replied that whatever parking is displaced will need to be replaced in some manner and somewhere in the vicinity and this will be addressed within the project. Question 4 - if the project would include a parking garage underneath the building, and it was noted that this is an option that could be discussed. Question 5 - if this building would be physically connected to the other Engineering buildings; this is something that has been discussed and may happen, possibly through skyways or tunnels of some sort. Question 6 - if Grant Street is to be closed between 11th Ave and S. 7th Ave; because of circulation in and around campus this is not something that either the University or City has been interested in the past. Question 7 - if the intersection on S. 7th Ave and Kagy will have added turning lanes; there have been ongoing conversations with the City about this and there are plans to widen Kagy, and there is discussion about putting a traffic signal at this intersection sometime in the future. This building may impact these considerations. Question 8 - how many parking spaces are on the considered site; the combined parking spaces of the Visitors and South Gattton parking lot is in the range of 620 spaces. Question 9 - what would happen to the tennis courts that are on the site; the affect on the tennis courts will be considered during the planning process but they would likely be relocated to somewhere in the vicinity, possibly to the south. It is possible that the tennis courts will not be affected. Question 10 - if Facilities could be relocated in phases; this could be considered but the efficiency of the operations may decrease in this process and there would still be a need for a space to move Facilities into. It would still take longer than is ideal to move part of these operations than it is planned to break ground on this building. It is part of the master plan to eventually relocate Facilities Services, but the timeline of this is not developed at this point. The last question asked by the audience was if there is access to sewer, water and electric services at this site; the sewer system may need to be added to, but water and electric are connected to university tunnel system.

Banziger asked for comments and questions from the board as well. Cornwell asked about opportunities for collaborative interactions and spaces and if the board will be looking at design throughout this process. Two committees will be developed to have input on the design process; the first will be a building committee including students, faculty, and staff, and the second is the oversight committee on the VP and Provost level which directs big concept ideas. There will also be public presentations and open forums throughout the process. Hansen asked that if Mr. Asbjornson's gift does not cover the cost of the entire project where the additional funding will come from. The University would need to raise this money and the Comprehensive Campaign is being considered for this matching portion, and this would not have any impact on the Romney project. Jason Smith clarified that Asbjornson's gift is intended to cover the costs of the building, though the related aspects - the presentation hall and plaza - are not included in that amount.

Additional questions and comments after this meeting can be directed to Lauren Sherman-Boemker at 994-5413 or sherman-boemker@montana.edu.

This meeting was adjourned at 4:30 p.m.

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VCD: LSB

PC:

President Cruzado
Melissa Hill, President's Office
Maggie Hammett, President's Office
Keely Holmes, Provost Office
ASMSU President
Diane Heck, VP Admin & Finance

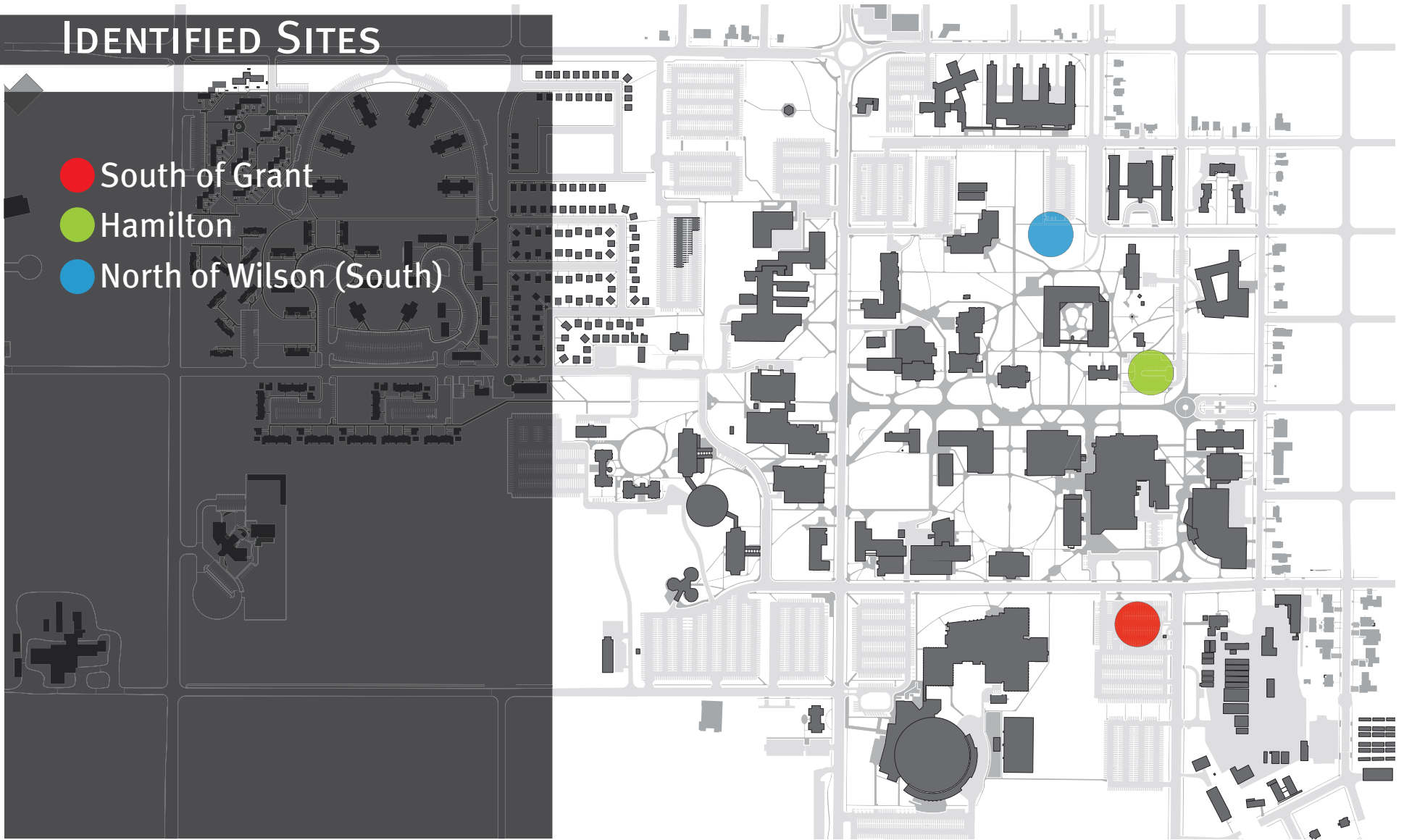
Heidi Gagnon, VP Admin & Finance
Jennifer Joyce, VP Student Success
Linda LaCrone, VP Research Office
Bonnie Ashley, Registrar
Robert Putzke, MSU Police
Becky McMillan, Auxiliaries Services

Julie Kipfer, Communications
Jody Barney, College of Agriculture
Susan Fraser, College of Agriculture
Robin Happel, College of Agriculture
JoDee Palin, College of Arts & Arch
Victoria Drummond, Facilities PDC

DRAFT

IDENTIFIED SITES

- South of Grant
- Hamilton
- North of Wilson (South)





PRELIMINARY - NOT FOR CONSTRUCTION

DATE	03-19-14
SHEET	V1.1
CAMPUS CORE	
SHEET TITLE	
PPA#13-0200	

DRAWN BY:	
REVIEWED BY:	
REV. DESCRIPTION	
DATE	

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

NORM ASBJORNSON
INNOVATION CENTER
 SITE UNDER CONSIDERATION



Site Analysis of the Norm Asbjornson Innovation Center

25-Mar-14

High Priority Issues

- Large site necessary to accommodate program considerations (Building, Presentation Hall, Plaza).
- Proximity to Existing College of Engineering facilities. Expands the engineering neighborhood.
- Connectivity to campus infrastructure.
- Connectivity to campus circulation and transportation systems.
- Available site to facilitate expedited delivery of project.

Design Issues

- Expand existing College of Engineering laboratory, classroom, collaborative and study spaces.
- Multi-modal user access.
- Buildings connected both aesthetically and physically to campus.
- Connectivity to campus utilities systems.
- Accommodate current and projected College of Engineering enrollment growth.
- Facilitate collaborative opportunities with other colleges.
- Room for expansion and growth.

Sustainability

- Compliance with State of Montana High Performance Building Standards.
- Sustainable site criteria such as - Solar orientation, utilities, transportation, planned building site.
- Considers impact on existing natural environmental on campus.

SOUTH OF GRANT	Advantages	Challenges
Planning & Policy	Complies with 25 year projected master plan build out. Planned academic building sites.	Influence to existing facilities in vicinity - SUB, MHFC, Facilities.
Multi-Modal / User Access	Connects to Primary Pedestrian Pathways. 5 minute or less walk to academic core area. Located immediately adjacent to Bus Route & Primary Bus Stop.	Potential impact on vehicular traffic at 7th and Kagy. Potential impact on vehicular traffic Grant.
Experience & Environment	Optimal Solar access orientation. Excellent views of the Bridger Mountains. Excellent views of the Spanish Peaks.	
Staging the Action	Reinforces significant Campus Entry point at 7th and Grant. Link to the community interface district - Presentation Hall Would reinforce plaza and entry dialogue between CoE, EPS and SUB.	Across the street from the academic core.
Utilities & Energy	Very near existing utility tunnels. Flat site with easy access for construction and staging. Minimal grading required.	Displaces Existing parking.



UNIVERSITY FACILITIES PLANNING BOARD

April 8, 2014

ITEM # 4		College of Engineering Site Presentation and Discussion					
PRESENTERS:							
Bob Lashaway, VP University Services FPDC							
PROJECT PHASE:	PLANNING	X	SCHEMATIC	DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS		
VICINITY MAP:							
N/A							
STAFF COMMENTS:							
Based on several factors, including a need for a site large enough to accommodate the building's footprint and a need to locate the building in close proximity to other campus facilities that serve the College of Engineering, the university is focusing on a site south of the SUB for the new building. This informational open session will focus primarily on taking input regarding impacts and conditions related to that site.							
COMPLIANCE:				YES	NO		
MSU POLICIES				X			
COMMITTEE OR APPROPRIATE REVIEW				X			
MASTER PLAN				X			
BOARD ACTION REQUIRED:							
No action needed as this is informational only							

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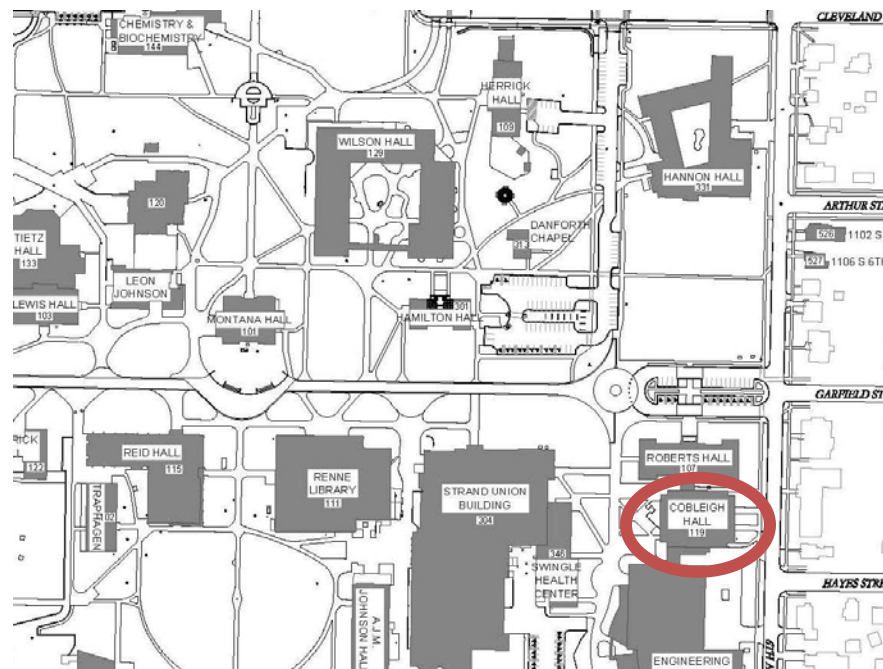
ITEM # 5	Replacement Antenna for Cobleigh Hall rooftop.
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PRESENTERS:

Victoria Drummond, Associate University Planner
Darryl Curfman, PDC Project Manager

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



STAFF COMMENTS:

The Telecommunications Antenna Committee reviewed an application from MSU Electrical Engineering Department Head, Rob Maher, for an antenna for the rooftop area of Cobleigh Hall. The new antenna is a replacement antenna for one that has already been removed. The application was reviewed and approved by the Telecommunications Antenna Committee for UFPB recommendation to the President for approval.

Application Information

According to the application, the MSU Ham Radio Club, FCC call sign W7YB, obtained the call sign in the 1960's through the intervention of Senator Mike Mansfield. It was originally on Ryon Lab and moved to Cobleigh Hall when it was constructed. The tower bent, collapsed and was destroyed when retraction

was attempted in 2010 for the energy upgrades in Cobleigh.

The old 75' tall metal tower and HAM radio antenna was crank up and guyed, where the new tower is crank up and self supporting. This means guy wires are not needed with the new antenna. The guy wires on the old tower were in the way of the laser experiments on the lower roof and the users were actually disconnecting the old guys to run experiments, which was dangerous. The new configuration of the retractable nesting antenna will eliminate line of site conflict with weather data collection equipment experienced with the old antenna. The antennas can also be rotated so they will not block the laser instruments and provide a clearer view of the sky.



Replacement Antenna. Cobleigh Hall center penthouse exterior south wall; location of previous antenna.

The replacement tower antenna was donated from Don Ward, a local ham radio operator who moved away from Bozeman for health reasons. It is a TX-455, US Tower Corporation, maximum height of 55', minimum nested height of 23', inside diameter is 6 1/2", weight is 670 lbs, 3 sections with top section having width of 12 1/2" and bottom section width of 18". It has standard accessories of hand winch, hinged base, anchor bolts, rotor plate. The tower is retractable and self-standing (not-guyed), and therefore has a fixed base that is designed to be bolted solidly.

The tower antenna is designed so that it is self-supporting with the proper amount of concrete in the base. If a self-supporting tower is bracketed to a building far enough up, then the concrete base isn't needed. The brackets from the old tower are still there and can be reused for the new tower. The pad from the old

tower is sturdy enough to set the new tower on and take the weight.

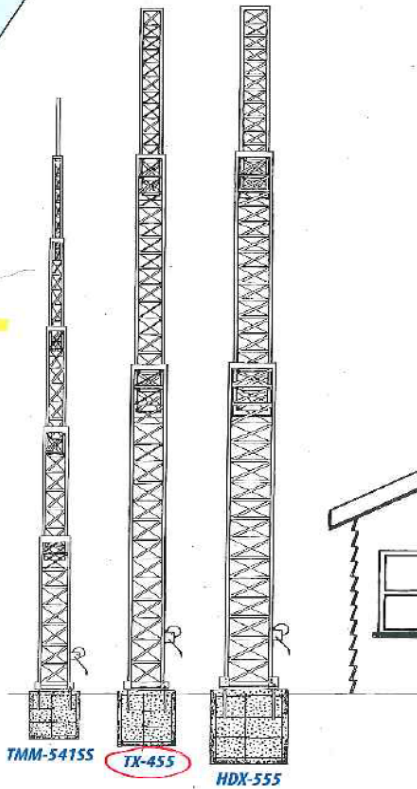
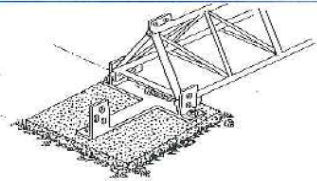
SELF-SUPPORTING CRANK-UP TOWERS

Because of wide variations throughout the country in zoning requirements and loading conditions (snow, wind, etc.) it is the responsibility of the customer to make certain that all tower conforms to all applicable codes. We recommend you obtain all necessary permits prior to purchase.

MODEL NO.	HEIGHT Mast	HEIGHT MIN.	SECTIONS	REG. ADJUS.	SEC. D. Top	SEC. D. Bot.
COMPACT TMM-SERIES CRANK-UP TOWERS						
TMM-433SS	33' w/o Mast	11'4"	4	315	10"	18"
TMM-433HD	33' w/o Mast	11'4"	4	400	12 1/2"	20 1/2"
TMM-541SS	41' w/o Mast	12'	5	430	10"	20 1/2"

TX-SERIES FREE-STANDING CRANK-UP TOWERS						
TX-43B	38'	21'6"	2	355	12 1/2"	15"
TX-455	55'	21'	3	670	12 1/2"	18"
TX-472MDP	72'	22'8"	4	1210	12 1/2"	21 1/2"
TX-489MDPL	89'	23'4"	5	1800	12 1/2"	25 1/2"

HDX-SERIES HEAVY-DUTY CRANK-UP TOWERS						
HDX-53B	38'	21'6"	2	600	15"	18"
HDX-555	55'	22'	3	870	15"	21 1/2"
HDX-572MDPL	72'	22'8"	4	1600	15"	25 1/2"
HDX-589MDPL	89'	23'8"	5	2440	15"	30 1/2"
HDX-5160MDPL	106'	24'3"	6	3850	15"	37 1/2"




The factory reserves the right to make changes or modifications without notice. 5

This new tower will be installed in the same location on the south side of the center penthouse, next to the metal ladder mounted on the building – see picture. The existing cabling that runs to the Transceiver (Ham Station) in 633 Cobleigh will be used and has been tested by the two Professors who run the Ham, Larry Springer and Rob Maher. There is also an existing higher band antenna (400 MHz) located on the center penthouse east side that also connected to the Transceiver.

When the new 55’ tower is lowered for servicing, the antennas would be just above the top of the center penthouse roof parapet wall. A platform may be made or purchased that would attach to the parapet wall at the top. This will allow a person to stand on either side of the parapet wall to work on the top of the tower safely.

Neil Ramhorst, MSU technical advisor, has checked the frequencies to make there will be no interference.

	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
Recommend approval to install the antenna as proposed.		

ITEM # 6		Public Art Committee Recommends Art Gift from Richard Helzer.				
PRESENTERS:						
Victoria Drummond, Associate University Planner, Co-Chair Public Art Committee						
PROJECT PHASE:	PLANNING	X	SCHEMATIC	DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS	
VICINITY MAP:						
NONE						
STAFF COMMENTS:						
<p>In March 2014 the Public Art Committee reviewed the offering of a cast bronze sculpture gift to the university from artist, Richard Helzer and voted unanimously in support of UFPB's recommendation of approval to the President.</p>						
						

Sculpture details:

- Cast bronze
- Cast at Northwest Art Casting, Bozeman
- Abstract
- Dimensions – 90”x48”x30” (seven and a half feet tall by four feet wide and two and a half feet deep)
- Weighs approximately 500 pounds
- Valued at \$50,000 (artist bases it on its original offer through a gallery)
- Titled *Paradise Lost* (which is a “reference to the power of nature and man” according to the artist)

Helzer is retired MSU faculty and a former Director of the MSU School of Art. He would be honored to have this sculpture in the university’s collection of public art.

The piece would be best displayed in an interior public space. If the sculpture gift is approved, the PAC and UFPB will consider possible locations for the sculpture and a final recommendation will be presented to UFPB for recommendation to the President.

If added to the MSU Public Art collection, it will require a standard bronze plaque (~\$300) displaying the title of the artwork, artist’s name and the year it was gifted to the university. Additional details not on the plaque, about the artist and sculpture, will be added to the Public Art Inventory database at Planning, Design & Construction.

	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
Recommend approval to accept the Helzer cast bronze sculpture public art gift.		

P:\UFPB\AGENDA & MEMOS\2014 Agenda\Meeting 04-08-2014\Item #6 PAC Recommends Helzer Sculpture.docx