

MEMORANDUM

TO: University Facilities Planning Board: Kregg Aytes - Chair, Walt Banziger - Vice Chair, Kurt Blunck, City of Bozeman, Jeff Butler, ASMSU President, Michael Everts, Chris Fastnow, Greg Gilpin, Brett Gunnink, Neil Jorgensen, ASMSU, Terry Leist, Robert Mokwa, Chris Kearns, Renee Reijo Pera, Faith Rifki, Tom Stump, Julie Tatarka, Jim Thull, Brenda York, David Kack

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

RE: **October 4, 2016** 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 September 20, 2016.

ITEM No. 2 – EXECUTIVE COMMITTEE REPORT

Report on any current Executive Committee actions.

ITEM No. 3 – CONSENT AGENDA None

ITEM No. 4 – DISCUSSION **New Parking Structure Arts & Architecture Installation** Presenter: Dean Smith

ITEM No. 5 – RECOMMENDATION **Verizon Wireless Small Cells** Presenter: Candace Mastel

ITEM No. 6 – RECOMMENDATION **Building Abbreviation Protocol and Comprehensive List** Presenter: Victoria Drummond

HORIZON ITEMS

- **BART Farm AgEd Storage Building**
- **Proposed Equipment Locations for Tietz Hall**
- **Interior Public Spaces Signage**
- **Turf Fields Facility Concept**
- **Renne Library Spaces & Technology Renovation**
- **External Building Signage Policy**
- **Seminar Materials**
- **Master Planning Issues**
- **Revisit and Update Policies**

CM/skm

PC:

President Cruzado
Amber Vestal, President's Office
Maggie Hammett, President's Office
Julie Heard, Provost Office
ASMSU President
Pam Schulz, VP Admin & Finance

Heidi Gagnon, VP Admin & Finance
Jennifer Joyce, VP Student Success
Linda LaCrone, VP Research Office
Tony Campeau, 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
Elizabeth Schmidt, College of Business
Candace Mastel, Campus Planning

**MEETING NOTES OF THE
UNIVERSITY FACILITIES PLANNING BOARD
September 20, 2016**

Members Present: Kregg Aytes – Chair, Walt Banziger – Co-Chair, Kurt Blunck, Michael Everts, Neil Jorgensen, Tom Stump, David Kack, Brenda York, Matthew Campbell, Chris Fastnow

Proxy: Walt Banziger for Jeff Butler, James Thull, Dan Stephenson

Members Absent: Charles Boyer, Chris Kearns, David Singel for Robert Mokwa, Tom McNab for Faith Rifki

Staff & Guests: Randy Stephens, Candace Mastel, Allie Wilson, Kristy McBroom

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

ITEM No. 1 – APPROVAL OF MEETING NOTES

Kurt Blunck moved to approve the draft notes from September 6, 2016. Tom Stump seconded the motion. The meeting notes were approved unanimously.

ITEM No. 2 – EXECUTIVE COMMITTEE REPORT – No Items

ITEM No. 3 – CONSENT AGENDA – No Items

ITEM No. 4 – RECOMMENDATION – Skyline Bus Stop at Roskie

Candace Mastel presented a map and details about the relocation of Skyline bus stop currently on South 7th Avenue to Roskie Hall parking lot. David Kack and Mastel addressed a variety of questions and comments about the location with the key points being: if approved the bus would enter the lot at South 19th Avenue and exit onto Lincoln Street; safety issues of placing the stop in front of the residence hall; moving the stop east may interfere with the dumpster pickup schedule; consider moving the stop farther east so it is more visible; three of four pickup times are during classes therefore the parking lot will be busy; east parking lot does not empty on weekends.

Existing passengers will be informed of the change on the website and a sign about a change in the pickup location will be placed at the current location.

Mike Everts asked if other locations were considered. Kack said other sites considered include further south on South 7th Avenue near the police station, Harrison Street closer to Langford Hall, and in front of the SUB. However, Karst Stage does not want to place Skyline pickups at the SUB because that location is already too busy with Streamline stops.

ASMSU suggested adding two stops because of the distance to walk from Langford Hall to bus stop with ski gear.

Tom Stump moved to approve a one-year placement of the Skyline Bus Stop at Roskie Hall with the caveat we talk to student life on the specific location and perform an evaluation of the placement after the peak season. Kurt Blunck seconded the motion. The approval passed affirmatively.

The vote:

Yes: 12 (3 Proxies)

No: 1 (Everts)

ITEM No. 5 – DISCUSSION – Romney Gym Update

Walt Banziger presented an update on the Romney Renovation project. Over the summer President Cruzado said she would like to advance this project so to shave a year off it. The change was approved and the design process began about a month ago. The current draft program project will provide 950 more classroom seats, Veteran/Disability reentry space, a writing center, and a math center. Banziger presented photos to show the layout for all four levels with the third level including an innovative 312 seat classroom “in the round” on the third floor with the possibility of retractable seating, allowing it to be adaptable for other uses, also included was an overlook on the fourth floor. The executive and work committees will review the design next week and be presented to President Cruzado on October 7th.

This meeting was adjourned at 4:40pm.

CM:skm

PC:

President Cruzado
Amber Vestal, President's Office
Maggie Hammett, President's Office
Julie Heard, Provost's Office
ASMSU President
Pam Schulz, VP Admin & Finance

Heidi Gagnon, VP Admin & Finance
Jennifer Joyce, VP Student Success
Linda LaCrone, VP Research Office
Tony Campeau, 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
Candace Mastel, Campus PDC

DRAFT

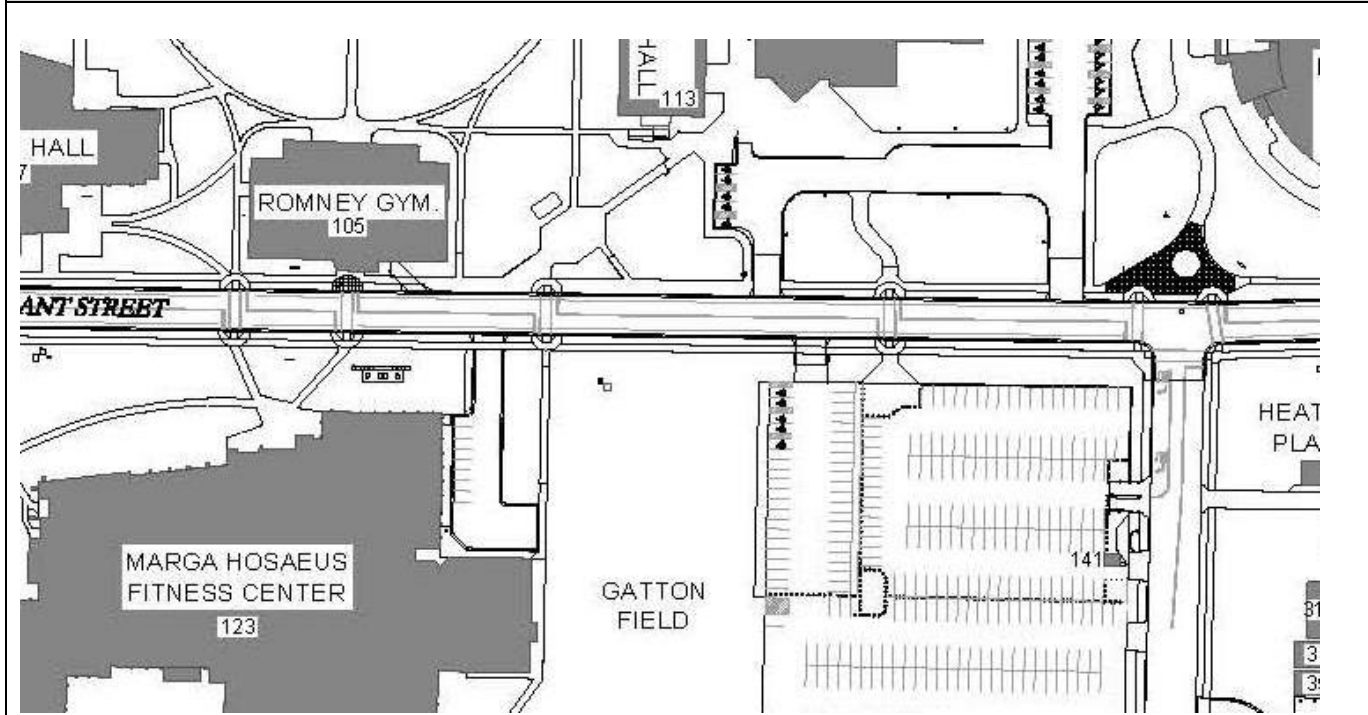
ITEM # 4	New Parking Structure Arts & Architecture Installation
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PRESENTERS:

Dean Smith

PROJECT PHASE:	PLANNING	X	SCHEMATI C	DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS
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VICINITY MAP:



STAFF COMMENTS:

What if the new parking garage could be used to transform a very ordinary experience of arriving, parking, and moving on to your next campus destination into a “showcase of how MSU students and faculty have discovered ways to integrate creativity and innovation into even the most everyday of environments.” This proposal, recently brought forward by Dr. Royce Smith, Dean, College of Arts and Architecture, envisions a creative display of interdisciplinary work between artists, designers, musicians, architectural and engineering students, and faculty throughout the surfaces and spaces of the parking garage, played out in paintings, graphics, three dimensional surfaces, sound, and/or electronic display.

While still in concept, we are aware of the following:

1. The garage could/should be considered as an extension of instructional space, providing a place or space for students and/or faculty to display their work.

2. Funding strategies have not been determined but are in discussion.
3. There could be some expectation to have something in place for the opening of the garage in January 2017.
4. It is acceptable for the installations to be considered as temporary, i.e. the work will change over time, or can be removed when no longer applicable.
5. Some work may be commissioned.
6. It is anticipated that art openings or unveilings of new work could happen.

This is intended to be public, interactive, art

COMPLIANCE:	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
For information and feedback only.		

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ITEM # 5	Verizon Wireless Small Cells
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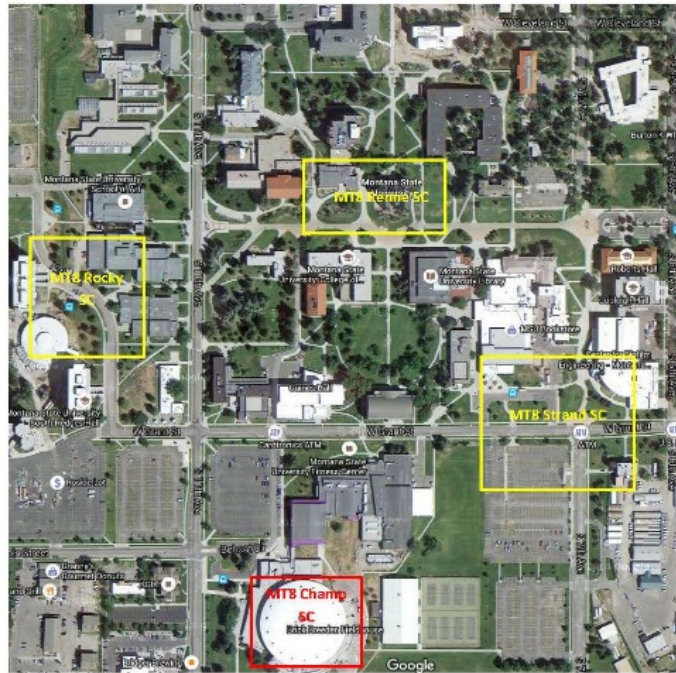
PRESENTERS:

Candace Mastel, Assistant University Planner

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

Verizon Wireless / MSU
Potential Small Cell Locations



STAFF COMMENTS:

The Telecommunications Antenna Committee reviewed an application and construction drawings from Verizon Wireless to expand the capacity of their existing Macro Cell Site on Leon Johnson Hall because it is nearing its capacity and to target campus locations with large amounts of users. They will utilize a new technology called Small Cell for four locations: Brick Breeden Fieldhouse, Centennial Mall, Miller Dining Hall, AJM Johnson Hall. Verizon Wireless informs MSU that their company has 70 to 80% of the cellular market in Montana and they constantly need to expand capacity and the newest technology to serve their customers. MSU has a large set of customers on our campus using their hand-held devices for voice, Internet, texting, and video. There have been reports of blocking from users. The application was approved by the Telecommunications Antenna Committee for UFPB recommendation to the President for approval.

Application Information

These four small cell sites will be used to enhance localized capacity and coverage, allowing for the availability of 4G LTE coverage to customers in challenging coverage areas. They will also reduce the load for the macro site located on Leon Johnson Hall allowing it to provide improved service across campus.


- Brick Breeden Fieldhouse – Antennas are proposed to be mounted on the exterior of the west side of the building and onto the underside of an interior catwalk. An equipment cabinet is proposed to be placed in a space near the press box.
- Centennial Mall – The proposed installation will replace an existing light pole with one that is structurally capable to hold a canister antenna above the light, located in the Hamilton Hall parking lot. An equipment box will be placed on the pole, high enough so the public cannot reach it, but it can be reached by a technician on a five-foot step ladder.
- Miller Dining Hall – The proposed installation will replace an existing light pole with one that is structurally capable to hold a canister antenna above the light, located at the rear of Miller Dining Hall (west side next to dumpster). An equipment box will be placed on the pole, high enough so the public cannot reach it, but it can be reached by a technician on a five-foot step ladder.
- AJM Johnson Hall – The proposed installation will replace an existing light pole with a matching one that is structurally capable to hold a canister antenna above the light, located south of the building. An equipment box will be placed on the pole, high enough so the public cannot reach it, but it can be reached by a technician on a five-foot step ladder.

The equipment consists of small sized antennas and equipment boxes. Coax cable will run from the antenna to the equipment box on the pole, and in the Fieldhouse press box. Equipment boxes will have electricity run from existing building electrical panels. Fiber optic cable will run from the boxes to the underground MSU Utility Tunnel, and over to Leon Johnson Hall where Verizon has its equipment room in the penthouse of the building.

All proposed antennas use the same frequency as the macro site on Leon Johnson, which is licensed. A previously submitted frequency study shows no interference with other frequencies on campus. Construction drawings were prepared by local engineering firm, Allied Engineering, in consultation with MSU staff. Construction will occur as soon as SHPO approves the Verizon application and will be coordinated between CPDC Project Manager and Verizon's contractors. All costs will be paid by Verizon Wireless.


See pictures below.

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



APPROPRIATE LOCATION OF PROPOSED EXTERIOR ANTENNA - ACTUAL LOCATION, NUMBER OF ANTENNAS AND EXPOSURE AREA IS SUBJECT TO CHANGE

DESIGNED FOR:




3770 BOZEMAN AVE
BOZEMAN, MONTANA 59801

DESIGNED BY:

MONTANA STATE UNIVERSITY
300 SOUTH 24TH AVENUE
BOZEMAN, MONTANA 59717
WWW.MONTANASTATE.EDU

Civil Engineering
Geotechnical Engineering
Land Surveying



ENGINEER APPROVAL:

REVISION	DESCRIPTION	DATE	BY	CHKD
A	PROPOSED ANTENNA - NOT FOR CONSTRUCTION			

THIS PROFESSIONAL SERVICE IS PROVIDED FOR THE CLIENT'S USE ONLY. IT IS NOT TO BE USED FOR ANY OTHER PURPOSE. THE CLIENT IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS FROM ALL APPLICABLE AGENCIES AND AUTHORITIES. THE ENGINEER'S LIABILITY IS LIMITED TO THE SCOPE OF THE AGREEMENT AND THE SERVICES PROVIDED. THE ENGINEER DOES NOT WARRANT THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ENGINEER'S LIABILITY IS LIMITED TO THE SCOPE OF THE AGREEMENT AND THE SERVICES PROVIDED.

P.E. NAME:

MTB CHAMP - SMALL CELL

P.E. ADDRESS:

MONTANA STATE UNIVERSITY
BRICK BREEDEN FIELDHOUSE
BOZEMAN, MONTANA

P.E. TITLE:

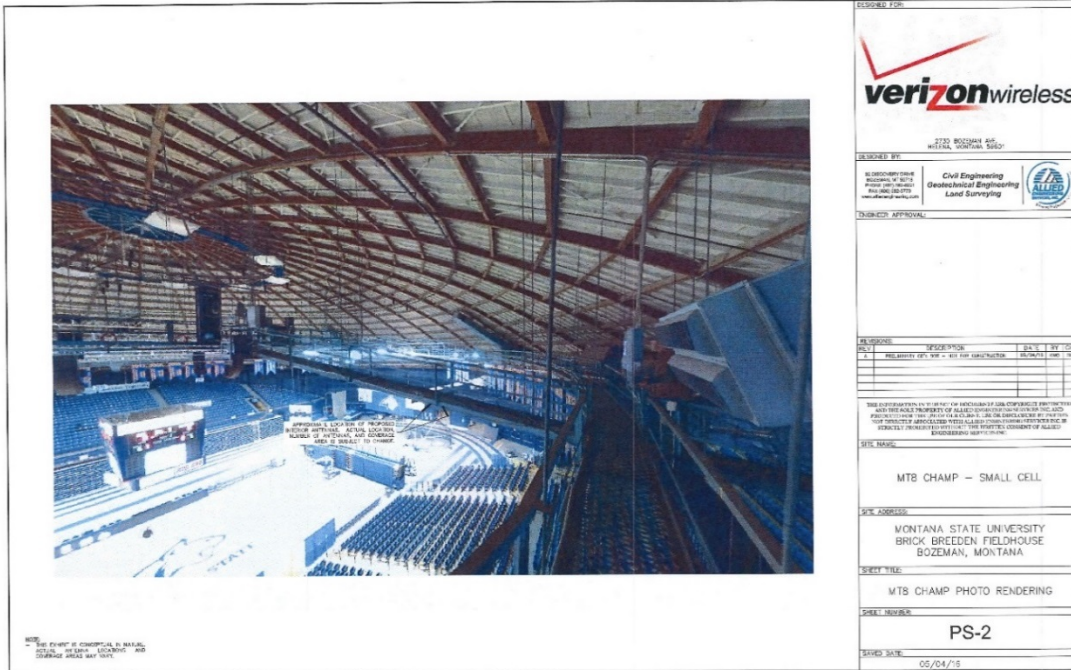
MTB CHAMP PHOTO RENDERING

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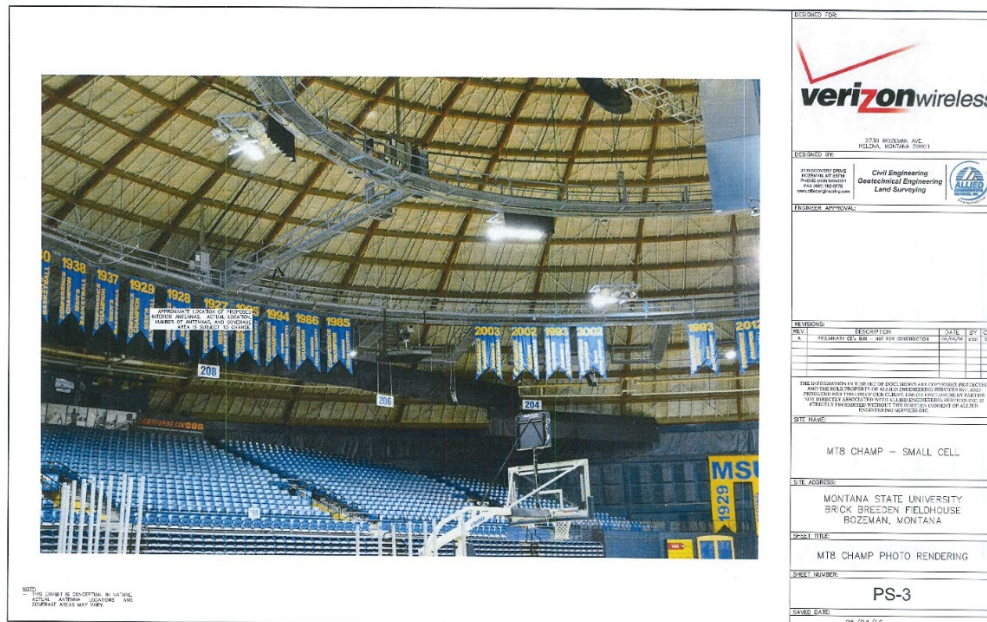
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DATE: 05/04/16

Brick Breeden Fieldhouse Exterior Installation



Brick Breeden Fieldhouse Interior Installation



Brick Breeden Fieldhouse Interior Installation



Hamilton Hall Lot Installation



Miller Dining Hall Installation



AJM Johnson Hall Installation

ITEM # 6		Universal Building Abbreviations List				
PRESENTERS:						
Victoria Drummond, Associate University Planner						
PROJECT PHASE:	PLANNING	X	SCHEMATIC	DESIGN DOCUMENTS	CONSTRUCTION DOCUMENTS	
VICINITY MAP:						
N/A						
STAFF COMMENTS:						
<p>Establishing a universal building abbreviation list has been an ongoing discussion over the past five years. A working group assembled in 2012 to assess the issues and develop a plan for a universal building abbreviation list.</p> <p>By January, 2014 the group added members and as a Task Group discussed all aspects of building abbreviations – including compiling data on where abbreviations are used, how abbreviations were/are determined, comparing data platform constraints, as well as historical and campus culture considerations. The Task Group – consisted of representatives from Facilities Services, Campus Planning, Design & Construction, Registrar’s Office, University Communications, Auxiliaries Services and ITC. Input was sought from University Police, Web and Digital Communications, Res Life and Family Graduate Housing and Telephone Services throughout the process.</p> <p>The initial task for the group was to compile all the abbreviations lists. This was a helpful demonstration of the variety of abbreviations and their database constraints. The group looked at newer technology opportunities in comparing methodologies for assigning abbreviations. The opportunity was to also assign an abbreviation to every building on campus and not just the major buildings.</p> <p>Some abbreviations were selected by an individual department that needed to use abbreviations and it was based on their individual constraints and familiarity of the building and not an established formula or methodology. Each major academic building had a two-letter abbreviation in the phone directory and a significantly different three of four-letter abbreviation in the Registrar’s course catalog.</p> <p>Recently, Facilities Services has been implementing phases of a Computerized Maintenance Management System - CMMS using Asset Works, AiM. The building profiles include a designated cell for the building abbreviation. These data are required now in the implementation process and will assist future processes by enabling building references by its complete name, building number or abbreviation.</p>						

The Task Group evaluated several methodologies or rules for setting abbreviations and then the necessary rule-exceptions. The character space increased for some data bases and so the resulting abbreviations list was recommended by the Task Group and applied to the collection of MSU buildings is:

- The Maximum abbreviations is six (6) characters.
- Abbreviations can be a combination of alpha and numeric characters.
- If the building name (functional use name or dedicated name) is one to two-word name – use the first six letters of the two words combined.
- If a three or more-word name – use the first letter of each word. This allowed for an exception for the biosciences buildings that are known by ABB (Animal Bioscience Building), CBB (Chemistry Biochemistry Building), MBB (Molecular Bioscience Building), etc.
- And compounds or complexes (primarily housing and Facilities Services) use abbreviations that begin with the same alpha characters (i.e. East Julia Martin Apartments all begin with EJM and include numeric characters for each individual unit).
- Campus Planning, Design & Construction will maintain the original database and will apply the methodology and disseminate any new abbreviations for new buildings and name dedications of existing buildings.

Having a universal abbreviation list will require updates to databases, records and maps. These updates will require resources and impact operations using these data such as Phone Services, ITC and Registrar who use Banner for data base data but also codify equipment and locations within buildings; Mail Services and Safety and Risk Management, as well as State operations in Helena; Web and Digital Web Communications, and Auxiliaries Services. But have indicated they will update as they have resources and will direct all future abbreviations use to the universal data available on the MSU web site. University Police use a full name of buildings. CPDC's website for building floor plans and maps already uses this building abbreviation list.

On September 6, 2016 The eight-member Task Group reviewed every building and proposed abbreviations and exceptions. The Task Group unanimously supports the resulting abbreviation list and feels its application will provide more intuitive abbreviations directing new students/faculty/staff, visitors and emergency responders to correct locations.

The **2016 MSU Building Abbreviation** List is as follows:

Bldg#	Bldg Name	Map	Leased	ADA	B H	Abbreviation
526	1102 S. 6th Ave.	A-2				1102S6
527	1106 S. 6th Ave.	A-2				1106S6
--	2066 Stadium Drive (see Stadium Drive Condos, LLC)	C-5	*			
201	2155 Analysis Drive	E-2				2155AD
--	6681 Maltese Lane (see Bridger Armory)	NA	*			
430	Ag Artificial Insemination & Classroom	G-5				AGAIC
428	Ag Calving Building #1	G-6				AGCB1
453	Ag Calving Building #2	G-6				AGCB2
462	Ag Feed Mill	F-5				AGFM
443	Ag Horse Barn	G-4				AGHB
429	Ag Little Working Facility	F-6				AGLWF
686	Ag Pole Machine Shed	G-5				AGPMS
687	Ag Working Facility	F-5				AGHF
610	Agronomy Field House	C-2				AGROFH
113	AJM Johnson Hall	B-3		1		AJMJH
147	Animal Bioscience Building	C-2		1	1	ABB
122	Anna Pearl Sherrick Hall	B-3		1		APSHER
540	ASMSU Outdoor Rec Building	C-4				OUTREC

370	Atkinson Quadrangle Residence Hall A	B-1				AQUADA
371	Atkinson Quadrangle Residence Hall B	A-1				AQUADB
372	Atkinson Quadrangle Residence Hall C	A-1				AQUADC
373	Atkinson Quadrangle Residence Hall D	A-1				AQUADD
374	Atkinson Quadrangle Residence Hall E	A-1				AQUADE
375	Atkinson Quadrangle Residence Hall F	B-1				AQUADF
532	Auxiliaries Storage Facility	C-2				AUXSTO
139	Barnard Hall (formerly Engineering Physical Sciences Building - EPS)	A-3		1	1	BARNAR
417	BART Farm Pump House	H-4				BARTPH
416	BART Farm Shop	F-5		1		BARTFS
146	Black Box Theater	B-3		1		BBX BATC
140	Bobcat Anderson Tennis Center	B-3;B-4				
155	Bobcat Stadium Bleachers - East	B-6;B-7				BSBE
157102	Bobcat Stadium Bleachers - Sonny Holland Endzone (shown on 157101)	B-7				BSBSHE
156102	Bobcat Stadium Bleachers - West (shown on 156101)	B-7				BSBW
156101	Bobcat Stadium Boosters - West	B-7				BSBOOW
162	Bobcat Stadium Concession Stand East #1	B-6				BSCSE1
163	Bobcat Stadium Concession Stand East #2	B-7				BSCSE2
130	Bobcat Stadium Concession Stand East #3	B-6				BSCSE3
183	Bobcat Stadium Concession Storage Shed	B-6				BSCSS
971	Bobcat Stadium DAS Hub	B-7	*			BSDASH
157101	Bobcat Stadium Endzone - South	B-7				BSES
159	Bobcat Stadium Home Locker Room	B-6				BSHLR
124	Bobcat Stadium Martel Field	B-6;B-7		1		BSMF
154	Bobcat Stadium North Canopy	B-6				BSNC
158	Bobcat Stadium Officials & Media Room	B-6				BSOMR
164	Bobcat Stadium Restroom East #1	B-6				BSRE1
165	Bobcat Stadium Restroom East #2	B-6;B-7				BSRE2
161	Bobcat Stadium Ticket Booth - East	B-6				BSTBE
160	Bobcat Stadium Ticket Booth - North	B-6				BSTBN
175102	Bobcat Stadium Track Bleachers	B-7				BSTB
175101	Bobcat Stadium Track Grandstand	B-7				BSTG
176	Bobcat Stadium Track Storage	B-7				BSTS
179	Bobcat Stadium Track Storage 1	B-7				BSTS1
182	Bobcat Stadium Track Storage 2	B-7				BSTS2
978	Bozeman Health Highland Park 5	NA	*			HP5L2
--	Bozeman High School (see Gallatin College North)	NA	*			
529101	Branegan Court Townhouses - 101	D-2				BRAN01
529102	Branegan Court Townhouses - 102	D-2				BRAN02
529103	Branegan Court Townhouses - 103	D-2				BRAN03
529104	Branegan Court Townhouses - 104	D-2				BRAN04
529105	Branegan Court Townhouses - 105	D-2				BRAN05
529106	Branegan Court Townhouses - 106	D-2				BRAN06
529107	Branegan Court Townhouses - 107	D-2				BRAN07
529108	Branegan Court Townhouses - 108	D-2				BRAN08
114	Brick Breeden Fieldhouse	B-4;B-5		1		BBFH
345	Brick Breeden Fieldhouse Storage Building	B-4				BBFSTO
962	Bridger Armory (6681 Maltese Lane)	NA	*			MILTC1
360	Campus Tunnel Plan	NA				TUNNEL
903	CFT Building #2	NA	*			CFTB2
916	CFT Building #4	NA	*			CFTB4
905	CFT Building #5	B-8	*			CFTB5
127	Cheever Hall	C-3		1		CHEEVE
228101	Chem Stores North Storage Container	B-2				CSNSC1
228102	Chem Stores South Storage Container	B-2				CSSSC2
144	Chemistry & Biochemistry Building	B-2		1	1	CBB
229	Chemistry Stores	B-2				CHMSTR
119	Cobleigh Hall	A-3		1	1	COBLEI

612	Cold Storage Quonset	G-4				CSQ CSS
683	Cold Storage Shed	G-4				
330102	Colter Hall	B-1				COLTER
118	Cooley Laboratory	B-2		1	1	COOLEY
--	Creative Arts Complex (see Cheever;Haynes;Howard)	C-2;C-3				
136	Culbertson Hall	B-1		1		CULBER
313	Danforth Chapel	B-2		1		DANFOR
523101	East Julia Martin Apartments - 101	D-2				EJM101
523102	East Julia Martin Apartments - 102	D-2				EJM102
523103	East Julia Martin Apartments - 103	D-2				EJM103
523104	East Julia Martin Apartments - 104	D-2				EJM104
523105	East Julia Martin Apartments - 105	D-2				EJM105
523106	East Julia Martin Apartments - 106	D-2				EJM106
523107	East Julia Martin Apartments - 107	D-2				EJM107
523108	East Julia Martin Apartments - 108	D-2				EJM108
523109	East Julia Martin Apartments - 109	D-2				EJM109
523110	East Julia Martin Apartments - 110	D-2				EJM110
523111	East Julia Martin Apartments - 111	D-2				EJM111
--	Engineering Physical Sciences Building - EPS (see Barnard Hall)	A-3				
319	Facilities Butler Building	A-4				FBUTL
530	Facilities Campus Stores	A-5		1		FSTOR
442	Facilities Carpenter Shop	A-4				FCARP
320	Facilities Chemical Storage	B-7				FCHM1
355	Facilities Chemical Storage Container	B-7				FCHM2
349	Facilities Custodial Lamp Storage Quonset	A-4				FCUSQ2
326	Facilities Custodial Quonset	A-4				FCUSTQ
327	Facilities Custodial Storage Quonset	A-4				FCUSQ1
322	Facilities Electricians Quonset	A-4				FEL
325	Facilities Engineers Quonset	A-4				FENGRQ
348	Facilities Equipment Garage	A-4				FEQP
353	Facilities Fueling Station	A-4				FFUEL
332	Facilities Grounds Fabric Storage	A-5				FSTO
347	Facilities Grounds Greenhouse	A-5				FGRN1
420	Facilities Grounds North Storage	B-7				FGNS
419	Facilities Grounds Pump House	B-7				FIRR
339	Facilities Grounds Shop	A-4;A-5				FLG
308	Facilities Heat Plant Generator Building	A-4				FGEN
312	Facilities Heat Plant Storage	A-4				FHPS
427	Facilities Irrigation Storage	A-5				FISTO
632	Facilities Kellogg Storage #1	A-4				FKS1
324	Facilities Laborers Quonset	A-4				FLQ
314	Facilities Mechanic / Metal Shop	A-4				FMECH
328	Facilities Meeting Quonset	A-4				FMEET
309	Facilities Paint Booth / Shop	A-4				FPA
323	Facilities Plumbers Quonset	A-4				FPLUMQ
352	Facilities Polyhouse Quonset	A-5				FPOLYQ
631	Facilities Poultry Barn - Vacant	A-4				FBARN
354	Facilities Propane Tank	A-4				FLPS
321	Facilities Refrigeration Quonset	A-4				FRFQ
635	Facilities South 5th Storage Units	A-4;A-5				F5SU
350	Facilities Storage Quonset	A-4				FSQ
310	Facilities Work Control Modular	A-4				FWCC
211	Faculty Court - 11	A-5				FC11
210	Faculty Court - 13	A-5				FC13
220	Faculty Court - 15	A-5				FC15
538	Faculty Court - 1605 S. 5th	A-5				FC1605
533	Faculty Court - 21	A-5				FC21
534	Faculty Court - 22	A-5				FC22

535	Faculty Court - 23	A-5				FC23
536	Faculty Court - 24	A-5				FC24
537	Faculty Court - 25	A-5				FC25
213	Faculty Court - 7	A-5	*			FC07
212	Faculty Court - 9	A-5	*			FC09
524	Family Housing Office Building	C-2;D-2				FHOB
456	Farrier Building (Horseshoeing)	G-4				FARRIE
474	Farrier Open Storage Shed	G-4				FARSTO
466	Feed Lot Pole Barn	G-5				FLPB
457	Feed Mill Feed Tanks 10	F-5				FMT10
468	Feed Mill Grain Bin	F-5				FMGB
206	Forestry Science Lab	A-5	*			FSL
209	Forestry Science Lab Garage	A-5	*			FSLGAR
208	Forestry Science Lab Greenhouse	A-5	*			FSLGRE
5641209	Fox Court - 1209	C-2				FOX209
5641210	Fox Court - 1210	C-2				FOX210
5641211	Fox Court - 1211	C-2				FOX211
5641212	Fox Court - 1212	C-2				FOX212
5641402	Fox Court - 1402	C-2				FOX402
5641403	Fox Court - 1403	C-2				FOX403
5641404	Fox Court - 1404	C-2				FOX404
5641405	Fox Court - 1405	C-2				FOX405
5641406	Fox Court - 1406	C-2				FOX406
5641407	Fox Court - 1407	C-2				FOX407
5641408	Fox Court - 1408	C-2				FOX408
5641409	Fox Court - 1409	C-2				FOX409
5641410	Fox Court - 1410	C-2				FOX410
5641411	Fox Court - 1411	C-2				FOX411
5641412	Fox Court - 1412	C-2				FOX412
5641413	Fox Court - 1413	C-2				FOX413
5641414	Fox Court - 1414	C-2				FOX414
5641415	Fox Court - 1415	C-2				FOX415
5641416	Fox Court - 1416	C-2				FOX416
5641417	Fox Court - 1417	C-2				FOX417
5641419	Fox Court - 1419	C-2				FOX419
5641421	Fox Court - 1421	C-2				FOX421
5641425	Fox Court - 1425	C-2				FOX425
5641427	Fox Court - 1427	C-2				FOX427
--	Frontage Road Commercial Properties (see Gallatin College East Campus)	NA	*		1	
167	FWP External Storage Building	D-3				FWPESB
135	FWP Headquarters/Research Facility	D-3				FWPHRF
166	FWP Shop/Laboratory Facility	D-3				FWPSLF
117	Gaines Hall	B-3			1	GAINES
910	Gallatin College East Campus (Frontage Road Commercial Properties)	NA	*		1	GCE GCN
936	Gallatin College North (Bozeman High School)	NA	*			
695	Gallatin Gardener's Shed	F-4				GGSHED
337	Gallatin Hall	C-3				GALLAT
--	Gardiner House (see Graf Street Residence)	NA				
5651401	Garfield Street - 1401	C-2				GARF01
5651403	Garfield Street - 1403	C-2				GARF03
679	Girven Farm Barn	G-7				GFBARN
681	Girven Farm Granary	G-7				GFGRAN
676	Girven Farm Residence	F-7				GFRES
677	Girven Pump House	G-7				GFPH
675	Girven Residence 2 Car Garage	G-7				GFGAR
5630001	Glacier Court - 1	C-2				GLAC01
5630002	Glacier Court - 2	C-2				GLAC02
5630003	Glacier Court - 3	C-2				GLAC03
5630004	Glacier Court - 4	C-2				GLAC04

5630005	Glacier Court - 5	C-2				GLAC05
5630006	Glacier Court - 6	C-2				GLAC06
5630008	Glacier Court - 8	C-2				GLAC08
5630009	Glacier Court - 9	C-2				GLAC09
5630010	Glacier Court - 10	C-2				GLAC10
5630011	Glacier Court - 11	C-2				GLAC11
5630012	Glacier Court - 12	C-2				GLAC12
5630013	Glacier Court - 13	C-2				GLAC13
5630018	Glacier Court - 18	C-2				GLAC18
5630020	Glacier Court - 20	C-2				GLAC20
5630021	Glacier Court - 21	C-2				GLAC21
5630022	Glacier Court - 22	C-2				GLAC22
5630023	Glacier Court - 23	C-2				GLAC23
5630025	Glacier Court - 25	C-2				GLAC25
5630026	Glacier Court - 26	C-2				GLAC26
5630027	Glacier Court - 27	C-2				GLAC27
5630029	Glacier Court - 29	C-2				GLAC29
5630031	Glacier Court - 31	C-2				GLAC31
5630033	Glacier Court - 33	C-2				GLAC33
5630035	Glacier Court - 35	C-2				GLAC35
5630037	Glacier Court - 37	C-2				GLAC37
5630039	Glacier Court - 39	C-2				GLAC39
5630040	Glacier Court - 40	C-2				GLAC40
5630041	Glacier Court - 41	C-2				GLAC41
5630042	Glacier Court - 42	C-2				GLAC42
5630043	Glacier Court - 43	C-2				GLAC43
5630044	Glacier Court - 44	C-2				GLAC44
5630045	Glacier Court - 45	C-2				GLAC45
5630046	Glacier Court - 46	C-2				GLAC46
5630047	Glacier Court - 47	C-2				GLAC47
5630048	Glacier Court - 48	C-2				GLAC48
5630049	Glacier Court - 49	C-2				GLAC49
5630050	Glacier Court - 50	C-2				GLAC50
5630051	Glacier Court - 51	C-2				GLAC51
5630052	Glacier Court - 52	C-2				GLAC52
5630053	Glacier Court - 53	C-2				GLAC53
5630054	Glacier Court - 54	C-2				GLAC54
5630055	Glacier Court - 55	C-2				GLAC55
5671209	Gopher Street - 1209	C-2				GOPH09
5671213	Gopher Street - 1213	C-2				GOPH13
5671215	Gopher Street - 1215	C-2				GOPH15
5671217	Gopher Street - 1217	C-2				GOPH17
5671219	Gopher Street - 1219	C-2				GOPH19
5671223	Gopher Street - 1223	C-2				GOPH23
5671225	Gopher Street - 1225	C-2				GOPH25
506	Graf Street Residence	NA				GRFSR
697	Grain Bin in Front Horse Barn	G-4				GBIFHB
528101	Grant Chamberlain Apartments - 101	D-1				GRANT1
528102	Grant Chamberlain Apartments - 102	D-1				GRANT2
528103	Grant Chamberlain Apartments - 103	D-1				GRANT3
528104	Grant Chamberlain Apartments - 104	D-1				GRANT4
528105	Grant Chamberlain Apartments - 105	D-1				GRANT5
528106	Grant Chamberlain Apartments - 106	D-1				GRANT6
--	H&PE Center (see Marga Hosaeus Fitness Center)	B-4				
301	Hamilton Hall	B-2			1	HAMILT
331	Hannon Hall	A-2			1	HANNON
336	Hapner Hall	B-1			1	HAPNER
330104	Harrison Dining Facility	B-1				HARRIS

455	Hay Shed Pole Barn	G-5				HSPB
128	Haynes Hall	C-2;C-3		1		HAYNES
137	Hazmat Storage Technology Park	E-2				HAZSTO
--	Headwaters Complex (see Gallatin Hall;Madison Hall;Jefferson Hall)	C-3				
303	Heating Plant	A-4				HPLANT
--	Hedges Food Service (see Miller Dining Hall)	C-3				
--	Hedges North (see North Hedges Hall)	C-3				
--	Hedges South (see South Hedges Hall)	C-3				
109	Herrick Hall	B-2		1	1	HERRIC
--	Highland Park 5 (see Bozeman Health Highland Park 5)	NA				
473	Horse Hay Shed	G-4				HHS
439	Horse Shelter #1	G-4				HS1
440	Horse Shelter #2	G-3				HS2
691	Horticulture Farm Wooden Office	F-4				HOROFF
699	Horticulture Greenhouse	F-4				HORGRE
651	Horticulture Honey Bee Shed	F-4				HORBEE
619	Horticulture Machine Shed	F-4				HORMS
692	Horticulture Metal Shed #1	F-4				HORMS1
693	Horticulture Metal Shed #2	F-4				HORMS2
626	Horticulture Multipurpose Barn	F-4				HORMB
624	Horticulture Pump House	F-3				HORPH
680	Horticulture Wash House	F-3				HORWH
694	Horticulture Wooden Chicken Coop	F-4				HORWCC
--	Hosaeus Fitness Center (see Marga Hosaeus Fitness Center)	B-4				
126	Howard Hall	C-3		1		HOWARD
--	Huffman Building (see Roy E. Huffman Building)	A-6				
178	Jabs Hall	B-2		1		JABS
335	Jefferson Hall	C-3				JEFFER
414	Johnson Family Livestock Facility	E-4			1	JFLF
--	Johnstone Center (see Pryor;Colter;Mullan;Harrison Dining Facility)	B-1		1		
--	Julia Martin Apartments (see East Julia Martin;West Julia Martin Apartments)	D-2				
415	Jutila Research Laboratory	E-4			1	JRL
630	Kellogg Center	A-4				KELLOG
338	Langford Hall	B-1		1		LANGFO
120	Leon Johnson Hall	B-2		1	1	LJH
103	Lewis Hall	B-2			1	LEWIS
104101	Linfield Hall	B-2		1		LIN
104102	Linfield Hall South	B-2		1		LINSO LSDCC
512	Louise Shunk Daycare and Community Center	C-2				
513	Louise Shunk Daycare Storage Shed	C-2				LSDSS
334	Madison Hall	C-3				MADISO
123	Marga Hosaeus Fitness Center	B-4		1		MHFC
116	Marsh Laboratory	E-4		1	1	MARSH
150	Marsh Laboratory Modular #1	E-4				MARSH1
151	Marsh Laboratory Modular #2	E-4			1	MARSH2
112	McCall Hall	C-3		1		MCCALL
550101	McIntosh Court Townhouses - 101	D-1				MCINT1
550102	McIntosh Court Townhouses - 102	D-1				MCINT2
550103	McIntosh Court Townhouses - 103	D-1				MCINT3
550104	McIntosh Court Townhouses - 104	D-1				MCINT4
550105	McIntosh Court Townhouses - 105	D-1				MCINT5
550106	McIntosh Court Townhouses - 106	D-1				MCINT6
550107	McIntosh Court Townhouses - 107	D-1				MCINT7
550108	McIntosh Court Townhouses - 108	D-1				MCINT8
550109	McIntosh Court Townhouses - 109	D-1				MCINT9
433	Melvin Graduate Arts Studio	G-4				MGARTS
924	Midnight Basin Properties (Troops to Teachers)	E-6	*			MIDBP
341	Miller Dining Hall	C-3				MILLER

432	Miller Livestock Pavilion	G-4		1		MILPAV
448	Molecular Beam Facility	A-6				MBF
471	Molecular Beam Modular	A-6				MBM
904	Molecular Biosciences Building	E-1	*		1	MBB
101	Montana Hall	B-2			1	MTHALL
138102	MOR -Tinsley Farm - Blacksmith	A-7				MORTBL
138106	MOR -Tinsley Farm - Chicken Coop	A-7				MORTCK
138103	MOR -Tinsley Farm - Equipment Shed	A-7				MORTEQ
138101	MOR -Tinsley Farm - Homestead	A-7				MORTHM
138105	MOR -Tinsley Farm - Outhouse	A-7				MORTOH
138104	MOR -Tinsley Farm - Root Cellar	A-7				MORTCL
138107	MOR -Tinsley Farm - Storage Shed	A-7				MORTSH
935	MSU Alumni Foundation - 1822 West Lincoln	D-4				MSUAFL
900	MSU Alumni Foundation Center	C-4			1	MSUAF
330103	Mullan Hall	B-1				MULLAN
121	Museum of the Rockies	A-7			1	MOR
521	Nelson Story Tower Apartments	D-2				NSTORY
902	Nopper Building Unit 2 (910 Technology Blvd. S.)	E-1	*			NOPP2
938	Nopper Building Unit 3 (920 Technology Blvd. S.)	E-1	*			NOPP3
343	North Hedges Hall	C-3				NHEDGE
--	Nutrician Center (see Oscar Thomas Nutrician Center)	G-4				
434	Oscar Thomas Nutrition Center Oscar Thomas Nutrition Center Feed Tanks (6) Oscar Thomas Nutrition Center Grow Safe Equipment Oscar Thomas Nutrition Center Open Hay Shed	F-4;G-4				OTNC
461		G-4				OTNCFT
431		G-4				OTNCGS
454		G-5				OTNCOH
--	Outdoor Recreation Building (see ASMSU Outdoor Recreation Building	C-4				
531101	Paisley Court Flats - 101	D-2;D-3				PAISL1
531102	Paisley Court Flats - 102	D-2;D-3				PAISL2
531103	Paisley Court Flats - 103	D-2;D-3				PAISL3
531104	Paisley Court Flats - 104	D-2;D-3				PAISL4
531105	Paisley Court Flats - 105	D-2;D-3				PAISL5
531106	Paisley Court Flats - 106	D-2;D-3				PAISL6
531107	Paisley Court Flats - 107	D-2;D-3				PAISL7
531108	Paisley Court Flats - 108	D-2;D-3				PAISL8
531109	Paisley Court Flats - 109	D-2;D-3				PAISL9
520	Peter Koch Tower Apartments	D-2				PKOCH
400	Plant Bioscience Building	C-2			1 1	PBB
401	Plant Growth Center	C-2			1 1	PGC
316	Plew Building	A-4			1	PLEW
--	Plew Yard (see FS Building Group)	A-4				
330101	Pryor Hall	B-1				PRYOR
--	Quads (see Atkinson Quadrangle Residence Halls)	A-1				
225	Records Management Facility	A-5				RMF
115	Reid Hall	B-3			1	REID
111	Renne Library	B-3			1	RENNE
107	Roberts Hall	A-3			1	ROBERT
105	Romney Hall	B-3			1	ROMNEY
344	Roskie Hall	C-3				ROSKIE
441	Roy E. Huffman Building	A-6			1	REHUFF
5661002	S 15th Avenue - 1002	C-2				S15002
5661004	S 15th Avenue - 1004	C-2				S15004
5661006	S 15th Avenue - 1006	C-2				S15006
5661208	S 15th Avenue - 1208	C-2				S15208
5661210	S 15th Avenue - 1210	C-2				S15210
5661212	S 15th Avenue - 1212	C-2				S15212
5661214	S 15th Avenue - 1214	C-2				S15214
5661218	S 15th Avenue - 1218	C-2				S15218
5661220	S 15th Avenue - 1220	C-2				S15220
5661220	S 15th Avenue - 1220	C-2				S15222

5661222	S 15th Avenue - 1222	C-2				
901	Safety & Risk Management - 1160 Research Drive	E-2	*	1		SRMB
--	Sherrick Hall (see Anna Pearl Sherrick Hall)	B-3				
608	SOB Barn	C-3				SOB
635101	South 5th Storage Units - 101	A-4				S5S101
635102	South 5th Storage Units - 102	A-4				S5S102
635103	South 5th Storage Units - 103	A-4				S5S103
635104	South 5th Storage Units - 104	A-4				S5S104
635201	South 5th Storage Units - 201	A-4				S5S201
635202	South 5th Storage Units - 202	A-4				S5S202
635203	South 5th Storage Units - 203	A-4				S5S203
635204	South 5th Storage Units - 204	A-4				S5S204
635301	South 5th Storage Units - 301	A-4				S5S301
635302	South 5th Storage Units - 302	A-4				S5S302
635303	South 5th Storage Units - 303	A-4				S5S303
635304	South 5th Storage Units - 304	A-4				S5S304
635401	South 5th Storage Units - 401	A-4				S5S401
635402	South 5th Storage Units - 402	A-4				S5S402
635403	South 5th Storage Units - 403	A-4				S5S403
635404	South 5th Storage Units - 404	A-4				S5S404
635405	South 5th Storage Units - 405	A-4				S5S405
635406	South 5th Storage Units - 406	A-4				S5S406
635501	South 5th Storage Units - 501	A-4				S5S501
635502	South 5th Storage Units - 502	A-4				S5S502
635503	South 5th Storage Units - 503	A-4				S5S503
635504	South 5th Storage Units - 504	A-4				S5S504
635505	South 5th Storage Units - 505	A-4				S5S505
635506	South 5th Storage Units - 506	A-4				S5S506
635601	South 5th Storage Units - 601	A-4				S5S601
635602	South 5th Storage Units - 602	A-4				S5S602
635603	South 5th Storage Units - 603	A-4				S5S603
635604	South 5th Storage Units - 604	A-4				S5S604
635605	South 5th Storage Units - 605	A-4				S5S605
635606	South 5th Storage Units - 606	A-4				S5S606
340	South Hedges Hall	C-3		1		SHEDGE
--	Stadium (see Bobcat Stadium)	B-6;B-7				
945	Stadium Drive Condos, LLC (2066 Stadium Drive)	C-5	*			SDC
304	Strand Union Building	B-3		1		SUB
--	SUB (see Strand Union Building)	B-3		1		
470	Swine Storage Shed	G-4				SWINES
444	Swine Test Center	G-4				SWINET
346	Swingle Health Center	A-3;B-3		1		SHC
108	Taylor Hall	B-2				TAYLOR
143	Tennis Support Facility	B-4				TENSUP
133	Tietz Hall	B-2		1	1	TIETZ
102	Traphagen Hall	B-3				TRAPHA
--	Troops to Teachers (see Midnight Basin Properties)	E-6	*			
--	Tunnel System (see Campus Tunnel Plan)	NA				
--	University Police (see Roy E. Huffman Building)	A-6				
--	University Records (see Records Management Facility)	A-5				
--	University Way Building (see CFT Building #5)	B-8	*			
463	Veterinary Center Hay Shed	E-4				VETHAY
426	Veterinary Clinic Building	E-4				VETCLN
421	Veterinary Equipment Shed	F-4				VETES
422	Veterinary Loafing Shed	E-4;F-4				VETLFSH
660	Veterinary Portable Metal Livestock Shelter (1)	E-4				VETLSH1
682	Veterinary Portable Metal Livestock Shelter (2)	E-4				VETLSH2
684	Veterinary Portable Metal Livestock Shelter (3)	E-4				VETLSH3

696	Veterinary Portable Wooden Livestock Shelter	F-4			VETWL1
690	Veterinary Portable Wooden Livestock Shelter (2	F-4			VETWL2
409	Veterinary Quonset Livestock Shelter	E-4			VETQS1
413	Veterinary Shop Quonset	E-4			VETSQ VETSB
627	Veterinary Storage Building	F-4			
	VISCOM (see Visual Communications Building)	B-3		1	
132	Visual Communications Building	B-3		1	VCB
469	Wally Byam Arboretum Interpretive Center	C-1			WBAIC
525112	West Julia Martin Apartments - 112	D-2			WJM112
525113	West Julia Martin Apartments - 113	D-2			WJM113
525114	West Julia Martin Apartments - 114	D-2			WJM114
525115	West Julia Martin Apartments - 115	D-2			WJM115
525116	West Julia Martin Apartments - 116	D-2			WJM116
525117	West Julia Martin Apartments - 117	D-2			WJM117
525118	West Julia Martin Apartments - 118	D-2			WJM118
525119	West Julia Martin Apartments - 119	D-2			WJM119
129	Wilson Hall	B-2		1	WILSON
405	Wool Laboratory	B-2			WOOL
356	Yellowstone Hall	C-2			YELLOW

	YES	NO
MSU POLICIES	X	
COMMITTEE OR APPROPRIATE REVIEW	X	
MASTER PLAN	X	
BOARD ACTION REQUIRED:		
Recommend approval to adopt the Building Abbreviations List and designate Facilities Services/ CPDC as the entity responsible for updating and disseminating the list as changes occur.		