

CURRENT AND UPCOMING PROJECTS

- **Project Schedule**
- **Budget Overview**
- **Project Description/Status**
- **Public Relations/Communication**

Planning, Design and Construction
Facilities Services



CURRENT PROJECTS

New Dining Facilities

Summary:

This proposed facility will bring a dining experience to campus and launches the university's renewed focus on the student experience with an adaptable place to dine, socialize and study. The pre-bid estimated project cost was \$40.0M (based upon costs estimate from SMA/Langlas).



CURRENT PROJECTS

New Dining Facilities

Update:

- The Dining Project Total Project Budget: \$49.0M. Special BOR meeting authorized \$47M
- Excavation of site scheduled to complete next week. Foundation formwork starts mid-September



CURRENT PROJECTS

New Dining Facilities

- Facilities continues to work with both the design team and contractor on Value Engineering efforts. So far, we have secured **\$1,059,000** in VE savings.

Section	Description	Ref. Details	Proposed Savings	Accepted Savings
04 20 00	Substitute ground face CMU in lieu of brick at the dumpster/utility enclosure.		-\$11,800	?
05 50 00	Substitute tubestool guardrails in lieu of stainless cabling.		-\$20,000	-
05 50 00	Remove interior steel wall panels, walls to be painted instead.		-\$23,146	-\$23,146
06 16 13	Substitute ISO Red Max sheathing in lieu of specified Armor Wall sheathing		-\$165,400	-\$165,400
07 42 13	Extend metal wall panels to soffit, eliminating clerestory windows/storefronts		-\$28,464	-
07 42 13	Revise MCM Panel Layout to reduce number of panels, same footage.		-\$32,000	-
07 42 13	Field cut MCM batten system for soffits.		-\$71,300	-\$71,300
07 54 23	Omit roof pedestal/paver decking, railing, complete.		-\$77,300.00	-
08 80 00	Delete microgreen case	A6-62	-\$78,000	-
09 20 00	Omit some, or all of the Fry Reglet trims in drywall assemblies.	11/A6.41	-\$180,000	-
	Omit Fry Reglet trims at edges of acoustic wall panels		-\$43,075	-\$43,075
	Omit curved Fry Reglet trims at pebbles, per horizontal run.		-\$37,800	-
09 30 00	Substitute polished concrete in lieu of ceramic tile.		-\$311,200	-
09 30 00	Substitute LVT in lieu of all ceramic floor tiling in dining/servory spaces.		-\$259,558	-
09 30 00	Alternate / Substitute Tile Products (Great Floors Recommendations)		-\$101,000	-
09 30 00	Alternate CT-3.10 Product (NAC's Recommendation)		-\$183,727	-\$183,727
09 51 13	ACT 3 Substitute Optima 3260 in lieu of Optima Health Zone		-\$30,000	-
09 51 13	ACT-4 Substitute Armstrong 1729 Black in lieu of specified ceiling		-\$32,000	?
09 51 13	Delete ACT 4 Entirely - paint exposed structure.		-\$04,000	-
09 51 13	Install ACT 1 in lieu of WDC 1 in Room 115.		-\$34,830	-
09 84 36	B1, B2, B3 Substitute		-\$60,000	-
09 84 36	B1 - Switch to ACT at Upper Level		-\$32,000	-\$32,000
09 84 36	B1 - Reduce density by 60%		-\$120,000	-
09 84 36	B3 - Reduce density by removing two complete runs.		-\$48,000	-\$48,000
09 84 36	B1 - Remove 1/3 of B1 at first floor at Asian/Latin		-\$24,000	-\$24,000
09 84 36	B1 - Switch to ACT 4 at Asian/Latin		-\$44,900	-
10 30 00	Completely remove fireplace assembly, replace with curtainwall.		-\$04,000	-
12 36 16	Substitute large ceramic wall tile in lieu of quartz agglomerate wall panels.	A7.04	-\$105,253	-\$105,253
12 36 16	Substitute SS in lieu of quartz for CT's 175, 185, 520, 560, 580, 585 and 630.		-\$20,000	-
11 40 00	Kitchen Equipment VE (as per attached list) & SS Tops		-\$183,675	-\$219,000
26 27 26	Aluminum feeders in lieu of copper feeders		-\$41,000	-
26 27 26	MC cabling in lieu of hard piped power		-\$36,000	-
26 28 16	Gear VE Potential		-\$0,000	-
26 51 00	VE Lighting fixture package (Non Architectural Lights Only)		-\$28,000	-\$28,000
	Switch to remote lighting controls in lieu of hard wired.		TBD	
26 51 00	Eliminate S08 Fixtures		-\$6,800	-
26 51 00	Eliminate S09 Fixtures		-\$0,200	-
26 51 00	Substitute R Fixtures, Per Revised Arch. Lighting		-\$48,712	?
26 51 00	Lighting Package VE Design, per SMA/AC 7/20/22 E-Mail		-\$88,661	-\$88,661
32 14 13	Substitute colored concrete in lieu of permeable pavers.		-\$47,060	-
32 14 13	Landscape Pavers. Utilize same color as museum project is using		-\$18,000	-\$18,000
32 91 13	Utilize 6" of topsoil throughout site.		-\$7,000	-\$7,000
32 93 00	Landscape Rock. Use local boulders in lieu of bolders from Polson.		-\$3,000	-\$3,000
	Omit Benches in Rm 111, North Pebble Dining Area		-\$66,100	
			-\$1,059,562	



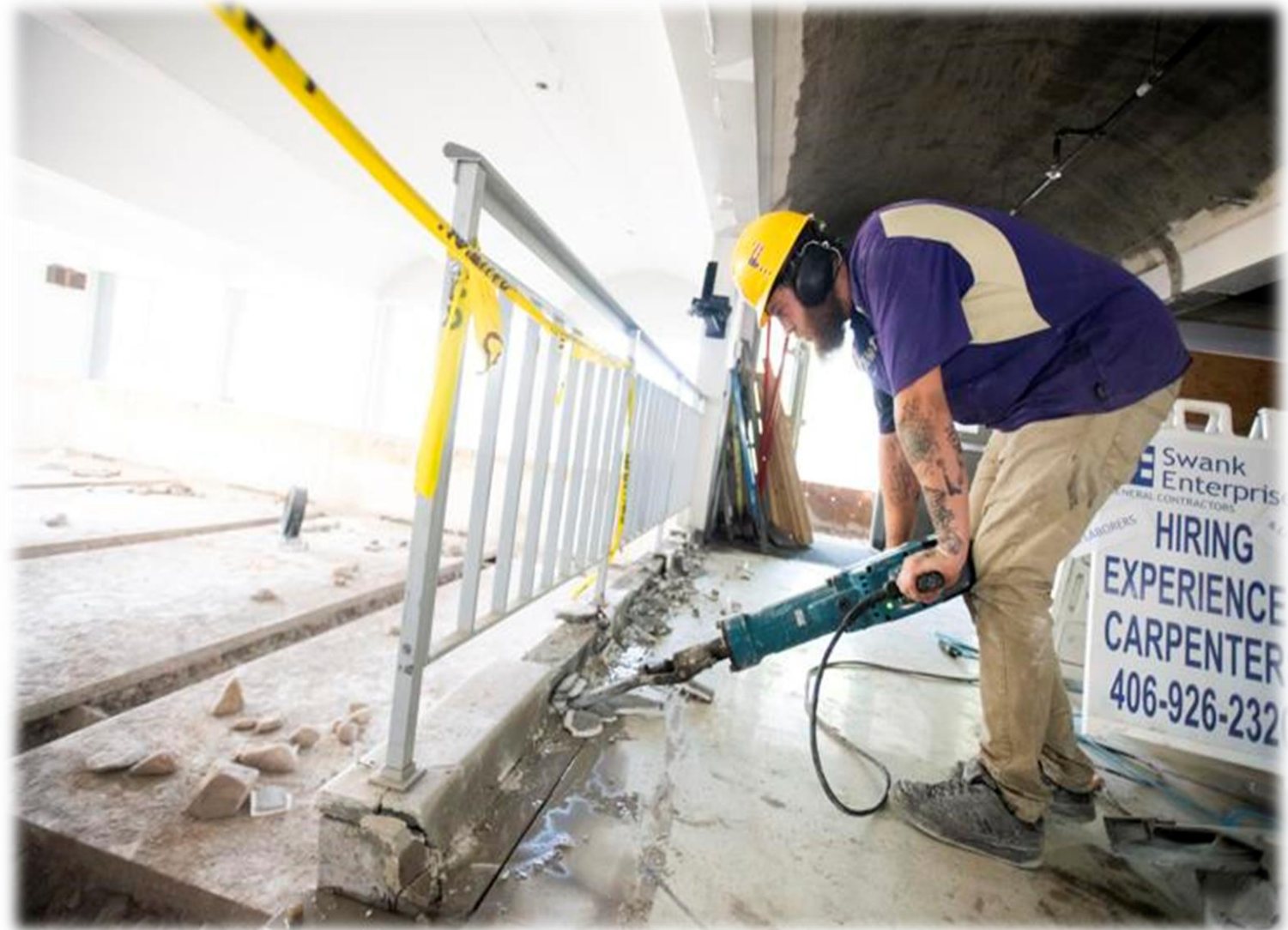
CURRENT PROJECTS

Knowles Hall

Summary: The project scope includes extensive reconfiguration of the first floor to accommodate new programmatic elements including expanded lounge and study spaces, a community kitchen, a classroom, the Area Desk, offices and an Area Coordinator's apartment. Restrooms on the residence floors will be reconfigured to meet current accessibility standards and inclusion for all students. The existing balcony spaces will be enclosed to increase the square footage of the building. The building's mechanical, plumbing, electrical and IT systems will all be updated.

Update:

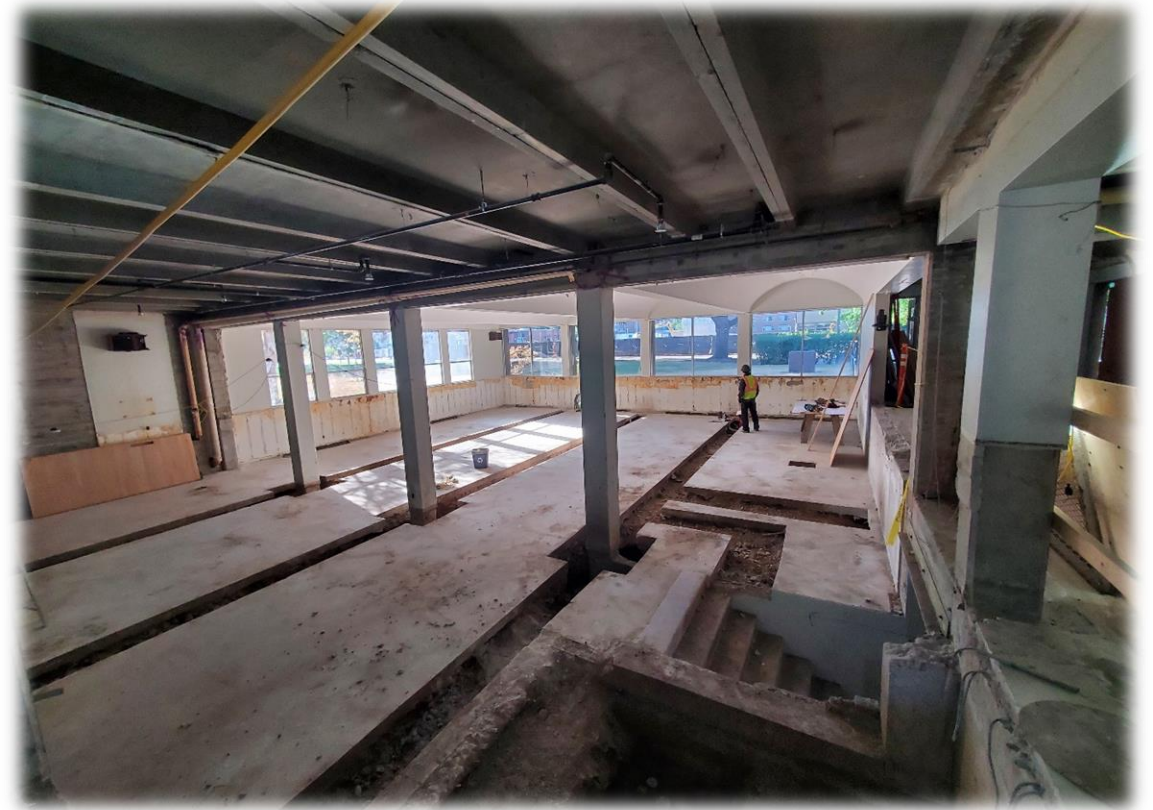
- Total project cost is \$18M.
- Scheduled completion: July 2023



CURRENT PROJECTS

Knowles Hall

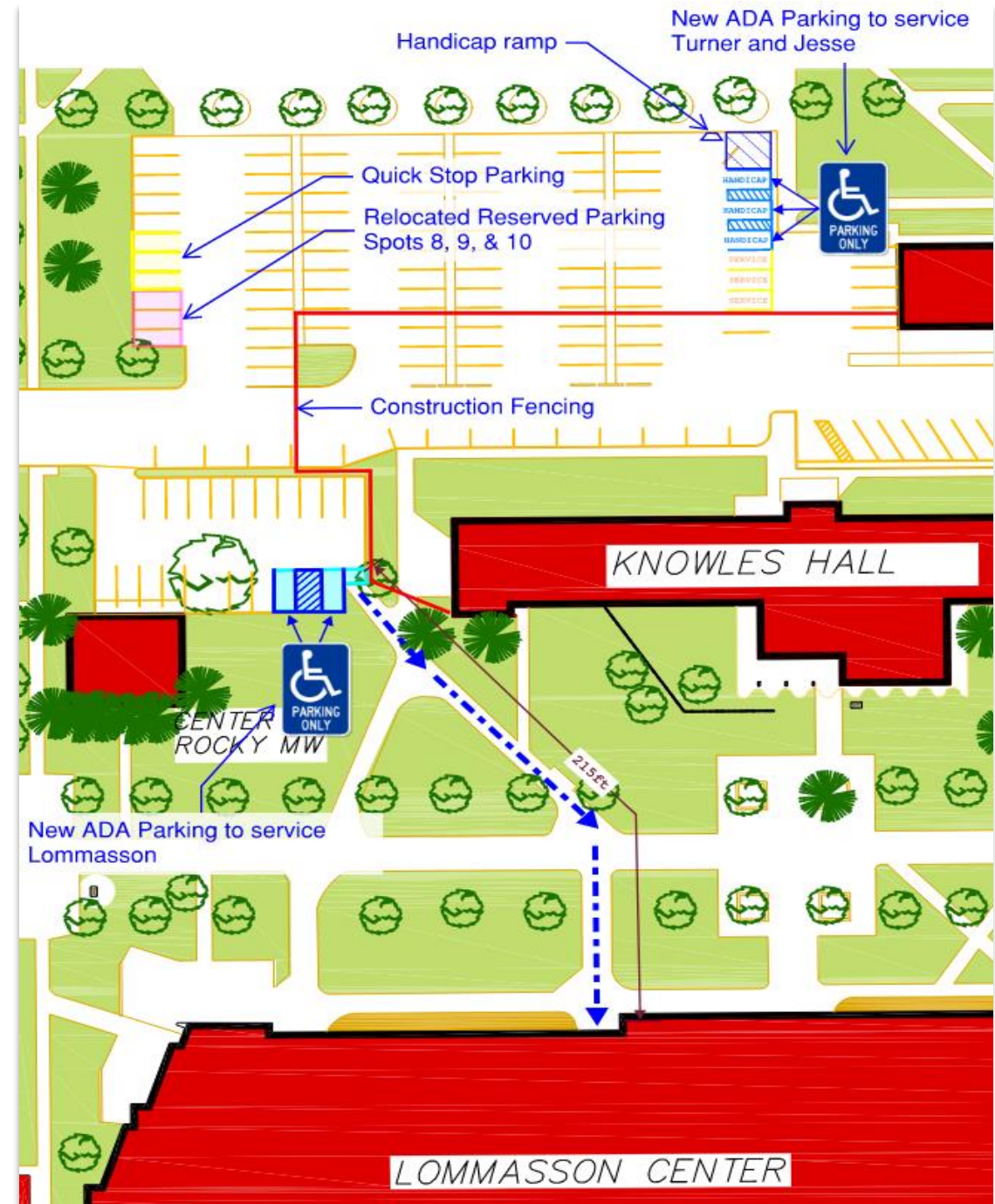
- Currently construction activities: Demolition, Concrete Foundations, Electrical Rough-in, Utility Tie-ins, and Sitework.



CURRENT PROJECTS

Knowles Hall

- Parking Lot J has been re-striped. All construction equipment and trailers have been relocated to inside the fencing perimeter.



CURRENT PROJECTS

MMAC & Memorial Row

Summary: The Montana Museum of Art & Culture is devoted to the storage, conservation, study, and display of art and artifacts.

Update:

- Current Construction Activities: Structural Steel, concrete slabs, metal framing, and MEP Rough-in
- Both Lot P and Memorial Way has been turned over to UM and is open to the public
- Lot P street lighting will not be installed till Nov 22 due to manufacturer lead times (Temp lighting will be provided in the meantime)



CURRENT PROJECTS

MMAC & Memorial Row



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MMAC & Memorial Row



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CURRENT PROJECTS

MMAC & Memorial Row

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CURRENT PROJECTS

Combined Heating and Power Plant

Summary: These upgrades allow the University to generate the electrical power for its on-campus users. The new configuration of the facility would include two natural gas fired turbines coupled with a heat recovery steam generator (HRSG) and a condensing steam turbine. The proposed upgraded plant would also be a huge step toward meeting campus' sustainability and climate action goals by reducing the campus' carbon footprint.

Update:

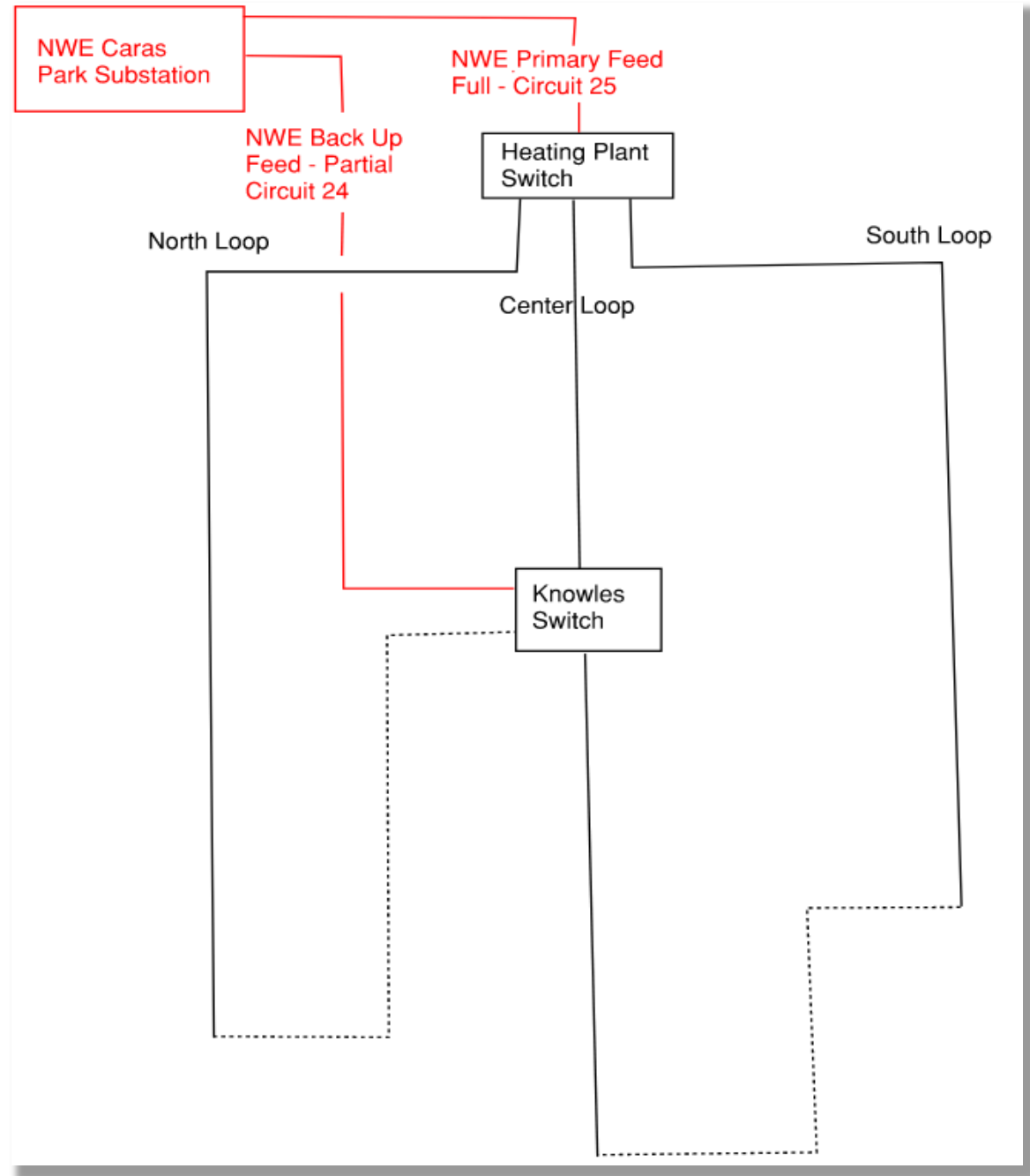
- Exterior window installation
- NWE backup feed.
- Current activities: Setting Cooling Tower, Gas compressor slab poured, HRSG Hydro test is in progress



CURRENT PROJECTS

Combined Heating and Power Plant

- EXISTING NWE CONFIGURATION



CURRENT PROJECTS

Combined Heating and Power Plant

- NEW NWE CONFIGURATION OPTIONS

Option 1 - Full Sized Circuit 25 back up feed that UM can utilize while running CHP in parallel

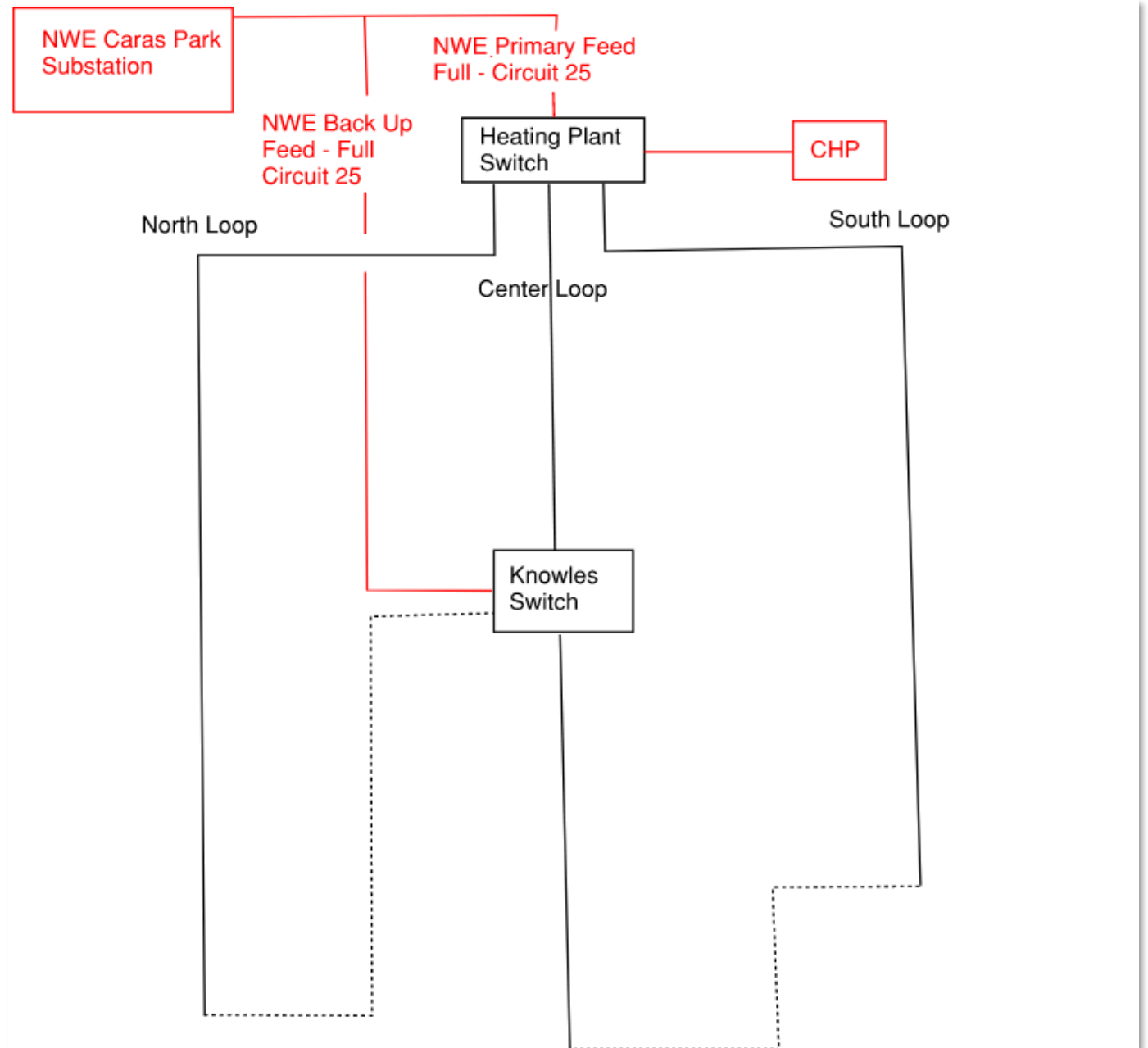
Knowles Project: \$300K for switch gear (\$150K base bid plus \$150K additional)

NWE: \$550K - Additional funding for CHP project Upgrade back up feed and make upgrades to utilities system for interconnect

Option 2 - Full Sized Circuit 25 back up feed that UM will not be able to run in parallel with CHP plant

Knowles Project: -\$300K UM to give existing switch gear being replaced at CHP to project.

NWE: \$550K - Additional funding for CHP project Upgrade back up feed and make upgrades to utilities system for interconnect



FUTURE PROJECTS

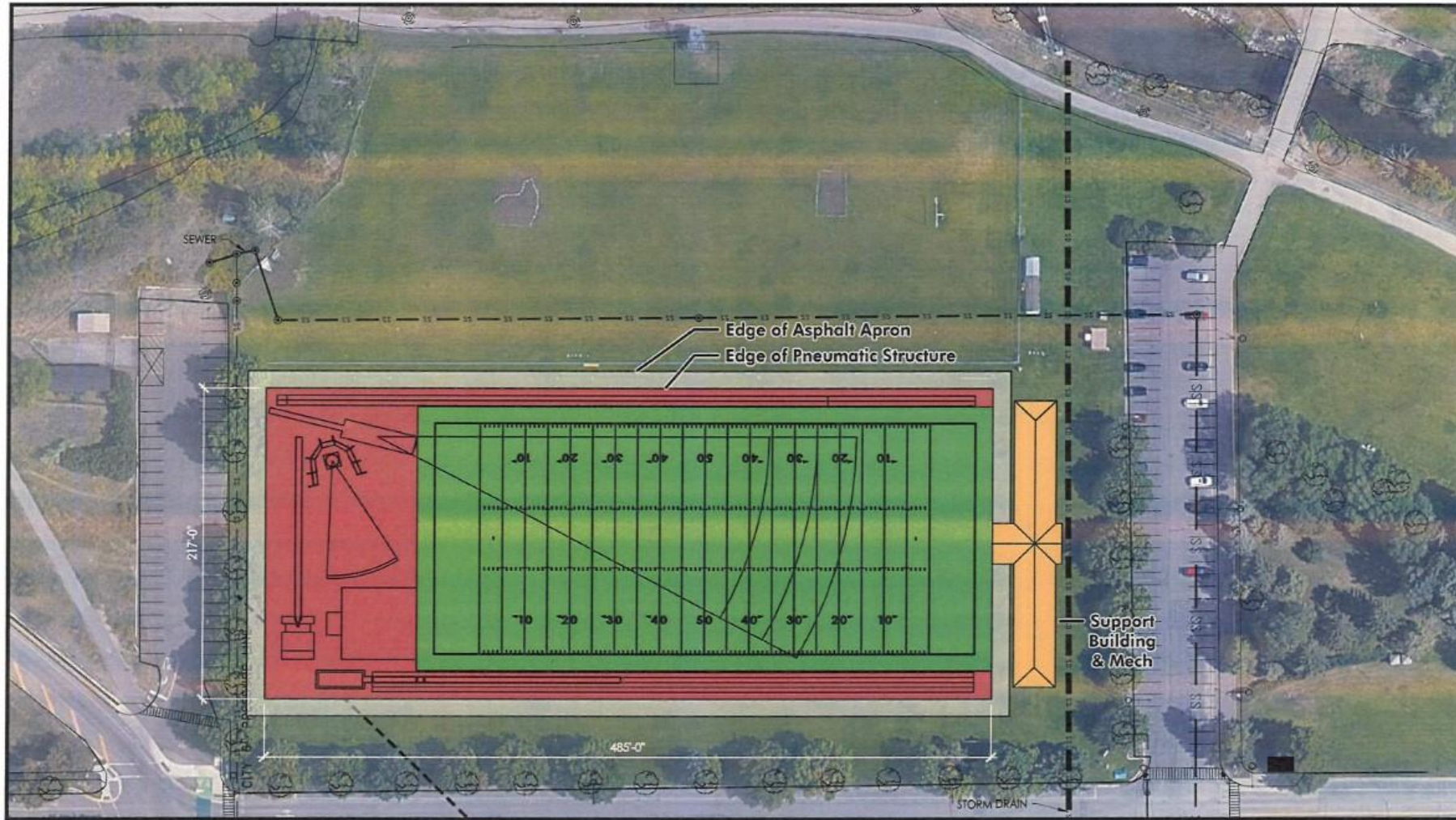
Athletics: Indoor Practice Facility

Summary: Donor funds are being raised to erect an Air supported sports dome. Estimated cost for this project is ~\$7,250,000. This air supported dome would provide a winter season Athletics arena. Construction would be managed by UM Foundation. Approved by Foundation Board on April 29th. Purchasing agreement for bubble is in place. Current schedule put construction starting in Feb 2023



FUTURE PROJECTS

Athletics: Indoor Practice Facility



University of Montana Indoor Practice Facility
University of Montana



SportsPLAN
STUDIO
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FUTURE PROJECTS

UM Housing – Forecasted Bed Count

		Max Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	Capacity	
Hall	Age		Fall 2021	Spring 2022	Fall 2022	Spring 2023	Fall 2023	Spring 2024	Fall 2024	Spring 2025	Fall 2025	Spring 2026	Fall 2026	Spring 2027	Fall 2027
Aber	1968	397	0	0	170	170	170	170	170	170	170	170	170	170	0
Craig	1953	373	242	242	252	252	252	252	252	252	0	0	0	0	0
Duniway	1937	228	120	120	237	237	237	237	237	237	0	0	0	0	0
Elrod	1921	97	50	50	98	98	98	98	98	98	0	0	0	0	0
Pantzer	1996	189	189	189	189	189	189	189	189	189	189	189	189	189	189
Miller	1965	330	330	330	330	330	330	330	330	330	330	330	330	330	330
Knowles	1963	262	262	262	0	0	254	254	254	254	254	254	254	254	254
Turner	1937	114	114	114	114	114	114	114	114	114	114	114	114	114	114
Jesse	1968	396	396	396	396	396	396	396	396	396	396	396	396	396	396
New Dorm #1	2025				design period			construction period			500	500	500	500	500
New Dorm #2	2027								design period		construction period			600	
Total Beds		2386	1703	1703	1786	1786	2040	2040	2040	2040	1953	1953	1953	1953	2383
Average Age	1969														

FUTURE PROJECTS

UM Housing – New Dormitory

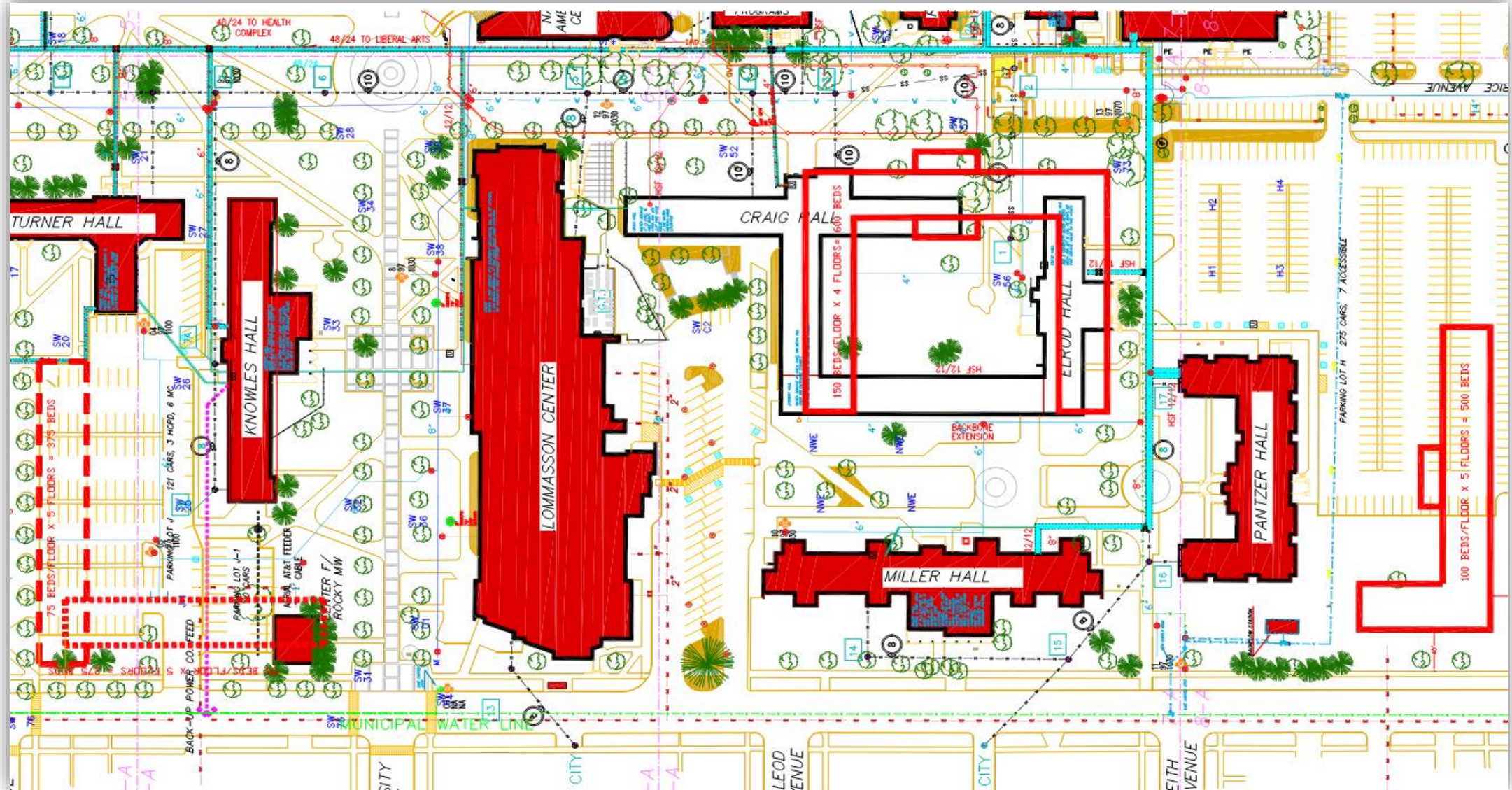
New 500 Bed Residence Hall with the following assumptions:

- a. Cost: \$51M-\$55M with the following assumptions
 - i. Approx. 150,000 sf
 - ii. bid in 2025
 - iii. per bed estimate of \$102,000-\$110,000
 1. can be lower than this range if less amenities and/or more triples than singles etc....but this represents what we feel is the type of program/building UM should be considering.
- b. Coordinate timing/location with Craig, Duniway and Elrod Demo



FUTURE PROJECTS

UM Housing – New Dormitory



FUTURE PROJECTS

UM Housing

– South Campus Study:



Phased Unit Analysis

Phase	Studio	1 Bdrm	2 Bdrm	3 Bdrm	4 Bdrm	New Units	Exist. Unit loss	Net Gain/ Loss	Total Units	Density (Units per Acre)
Existing Condition	29	91	210	55	9				394	13.4
Existing Unit Mix	12.6%	19.9%	45.3%	20.6%	1.6%					
Phase 1A New Construction	38	60	80	16	0	194				
Unit Count at Phase Completion	67	151	290	71	9		0	194	588	19.9
Phase 1B New Construction	28	48	36	12	0	124				
Phase 1B Demo		(33)	(15)				(48)	76		
Unit Mix at Phase Completion	95	166	311	83	9				664	22.5

FUTURE PROJECTS

Jeanette Rankin- UM Monument Sign

SUMMARY: Project is out for Bid



CAMPUS REFRESH: NEW DORM SCHEDULE

	Year	Month	2022	2023	2024	2025	2026	2027
New Dorm #1	August	Pre-Design						
	September	Schematic Design						
October								
New Dorm #2	November	Design Development						
	December							
New Dorm #1	January	Construction Documents						
	February							
New Dorm #2	March							
	April							
New Dorm #1	May	Bidding						
	June							
New Dorm #2	July	Contract						
	August							
New Dorm #1	September	CONSTRUCTION						
	October							
New Dorm #2	November							
	December							
New Dorm #1	January							
	February							
New Dorm #2	March	Pre-Design						
	April							
New Dorm #1	May	Schematic Design						
	June							
New Dorm #2	July	Design Development						
	August							
New Dorm #1	September	Construction Documents						
	October							
New Dorm #2	November	Bidding						
	December							
New Dorm #1	January	Contract						
	February							
New Dorm #2	March	Shops and Submittal						
	April							
New Dorm #1	May	Substantial Completion						
	June							
New Dorm #2	July	Facility Open/Move-in						
	August							
New Dorm #1	September							
	October							
New Dorm #2	November							
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New Dorm #2	March	CONSTRUCTION						
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