

# WIMR East Wedge Cyclotron and Expansion Project

*University of Wisconsin-Madison  
School of Medicine & Public Health*

*UW Project # 1485 -2511*

*Joint Campus Area Committee – Recommendation Request Meeting  
January 22, 2026*



- **Comments from the 10/15/24 DRB Meeting**

1. Asked for further study of the composition and exterior materials
  - Design adjustments include modifying the materials on the cyclotron volume to better align with the overall design. This involves ensuring the brick volume does not protrude excessively and fits within the architectural context. The pop-out feature is being adjusted to mimic the West Wedge, creating a cohesive design language.
2. Suggested the datum lines could go through the entire façade and the top followed through the brick
  - The datum lines more closely resemble the west wedge with the recent material and volume changes.
3. Noted this design has improved since the last meeting
4. Recommended further study of the material and how this will look with second story
  - The materials on the cyclotron volume better align with the overall design. The second story will now be built at the same time as the rest of the building.
5. Consider whether to showcase or mask the cyclotron
  - The cyclotron volume has been adjusted, and the mechanical pop-out feature more closely resembles the West Wedge.
6. The proposed design is using a new brick different from the existing flat brick currently on the hospital, consider without piers
  - Design adjustments include modifying the materials on the cyclotron volume to better align with the overall design.
7. Confirm locations of street trees must work around utilities
  - Team confirmed there are utilities underground in terrace and the trees have been removed from that area.
8. Consider adding signage near site that tells the story about the Cyclotron and research
  - The team will take this into consideration as the design develops.

# Previous Design Concept



*View of WIMR East Wedge Cyclotron and Expansion from Highland Ave Looking South East*

*Previous Design Concept - Phase 2*

# Previous Design Concept



View of WIMR East Wedge Cyclotron and Expansion from University Bay Fields looking South West

Previous Design Concept - Phase 2

# Previous Design Concept



View of WIMR East Wedge Cyclotron and Expansion from above looking South West

Previous Design Concept - Phase 2

## PROJECT OVERVIEW:

WIMR is located at 1111 Highland Avenue, Madison WI. WIMR is the flagship research complex for the University of Wisconsin School of Medicine and Public Health. The design is based on an existing East Wedge Cyclotron and Expansion Pre-Design delivered through the UW Managed program. The East Wedge Cyclotron and Expansion project will be located on the University of Wisconsin-Madison campus between WIMR I and WIMR II towers on a site referred to as the “East Wedge. The following programmatic uses are anticipated as follows:

- **Basement** - will house a new, commercial, 30 MeV cyclotron.
- **First Level** - future laboratory, space for offices and building mechanicals.
- **Second Level** - future laboratory and offices.

The project adds 57,363 GSF to the WIMR facility, which is currently 653,867 GSF.

## PROJECT VISION:

The University of Wisconsin, Madison East Wedge Cyclotron Expansion will provide The Wisconsin Institute of Medical Research (WIMR) with a state-of-the-art 30Mev cyclotron and support facilities - including Hot Labs and cGMP facilities.

Recent growth in nuclear medicine applications of cyclotron-produced radionuclides has been dramatic, and demand exceeded production capacity on multiple occasions in 2022, despite the Cyclotron Group's prioritization of UW clinical and basic research needs.

The new facility will add capacity in every essential area: standard and radiometal PET radionuclides, theranostic beta and Auger-emitters, and both clinical and research application-oriented research. The new machine will also enhance the efficacy of the existing PETtrace cyclotron, focusing each machine's efforts on its strengths and simultaneously supporting a nascent UW Institute for Theranostics and Particle Therapy; the Waisman Center's and Alzheimer's Disease Research Center's portfolio of neurodegenerative imaging trials; the preclinical research of PIs working on stem cell, genetic, and viral therapy development in the Wisconsin National Primate Center and the Small Animal Imaging and Radiotherapy Facility; and the United States Department of Energy Isotope Production Network.

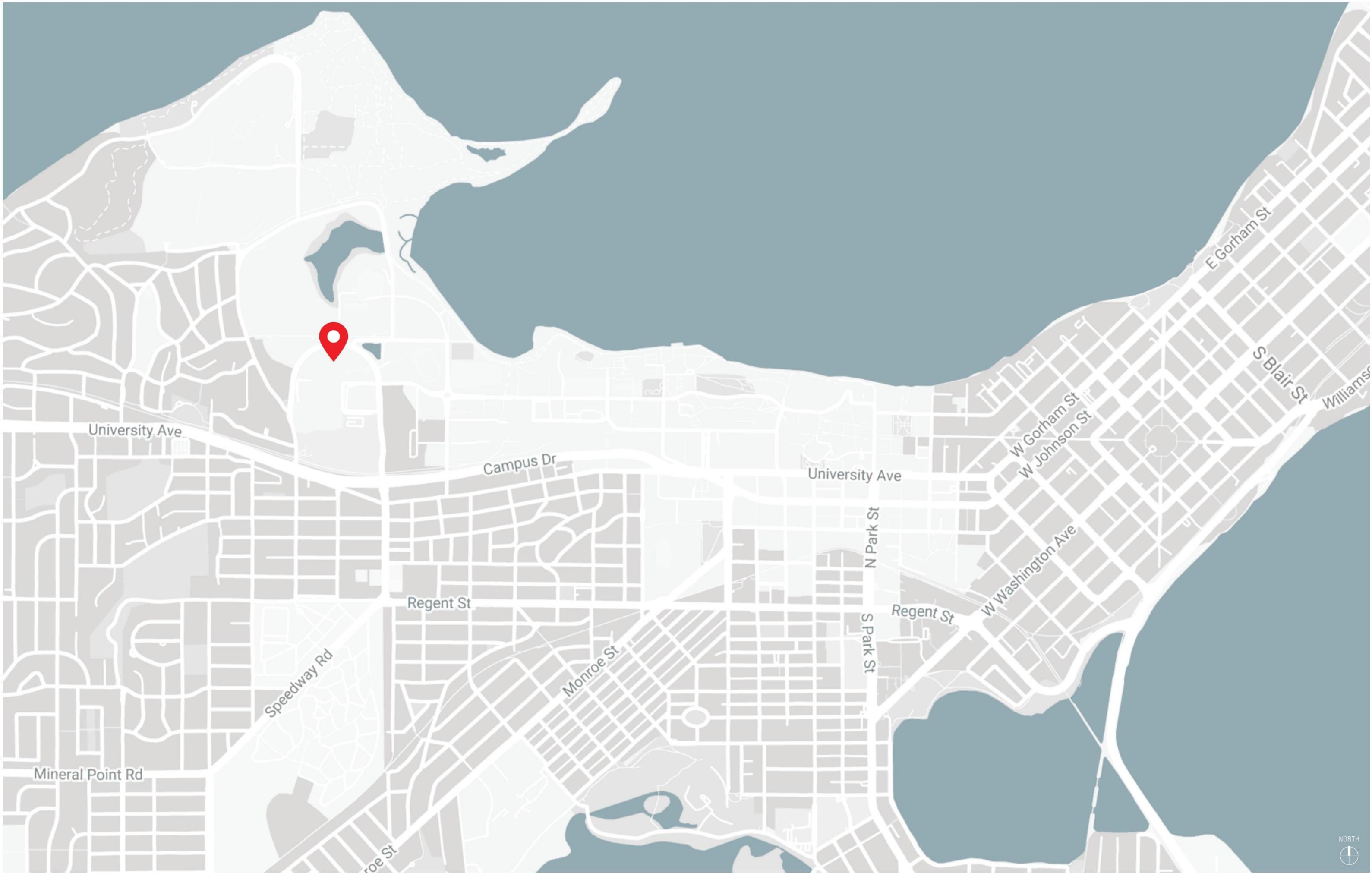
## PROJECT GOALS:

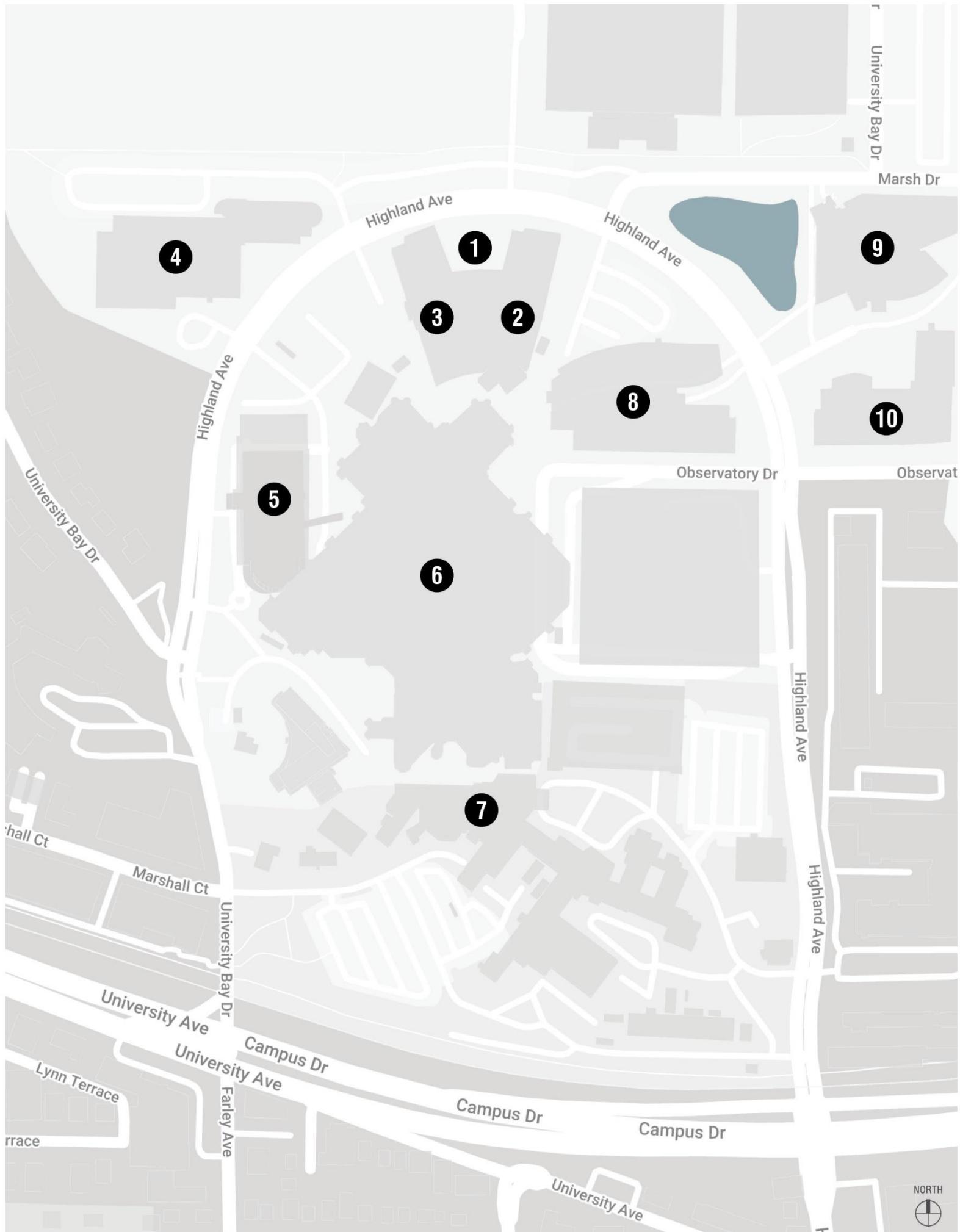
- Provide the UW Cyclotron Group with a space that quadruples the existing capacity.
- Add capability to make several new isotopes that are in demand for cutting edge medical diagnostic and therapeutic procedures and research.
- Support the efforts at the UW School of Medicine and Public Health and UW Health to help patients with Alzheimer's and Parkinson's disease, cancer, chronic pain, and other conditions, and will increase the availability of novel isotopes to researchers across the United States who are developing new technologies across a broad spectrum of healthcare solutions.

<b>Construction Cost:</b>	\$43,386,810
<b>Total Project Cost:</b>	\$62,000,000

## HIGH LEVEL PROJECT SCHEDULE:

A/E Selection	October 2023
Design Concept Report Submittal	May 2024
Design Report Submittal	June 2024
BOR/SBC Authority to Construct	June 2024
DRB #1 Meeting	August 20, 2024
JCAC - Informational	September 26, 2024
DRB #2 SD Meeting	October 15, 2024
JCAC - Approval of Master Plan Only	December 11, 2025
DRB #3 DD Meeting	December 16, 2025
JCAC - Recommendation	January 22, 2026
DRB #4 Approval of Redesign	February 17, 2026
Bid Date:	August 2026
Start Construction	November 2026
Substantial Completion	April 2028





**1 PROJECT LOCATION**

**2** WIMR I

**3** WIMR II

**4** Waisman Center

**5** American Family Children's Hospital

**6** University of Wisconsin Hospital

**7** VA Hospital

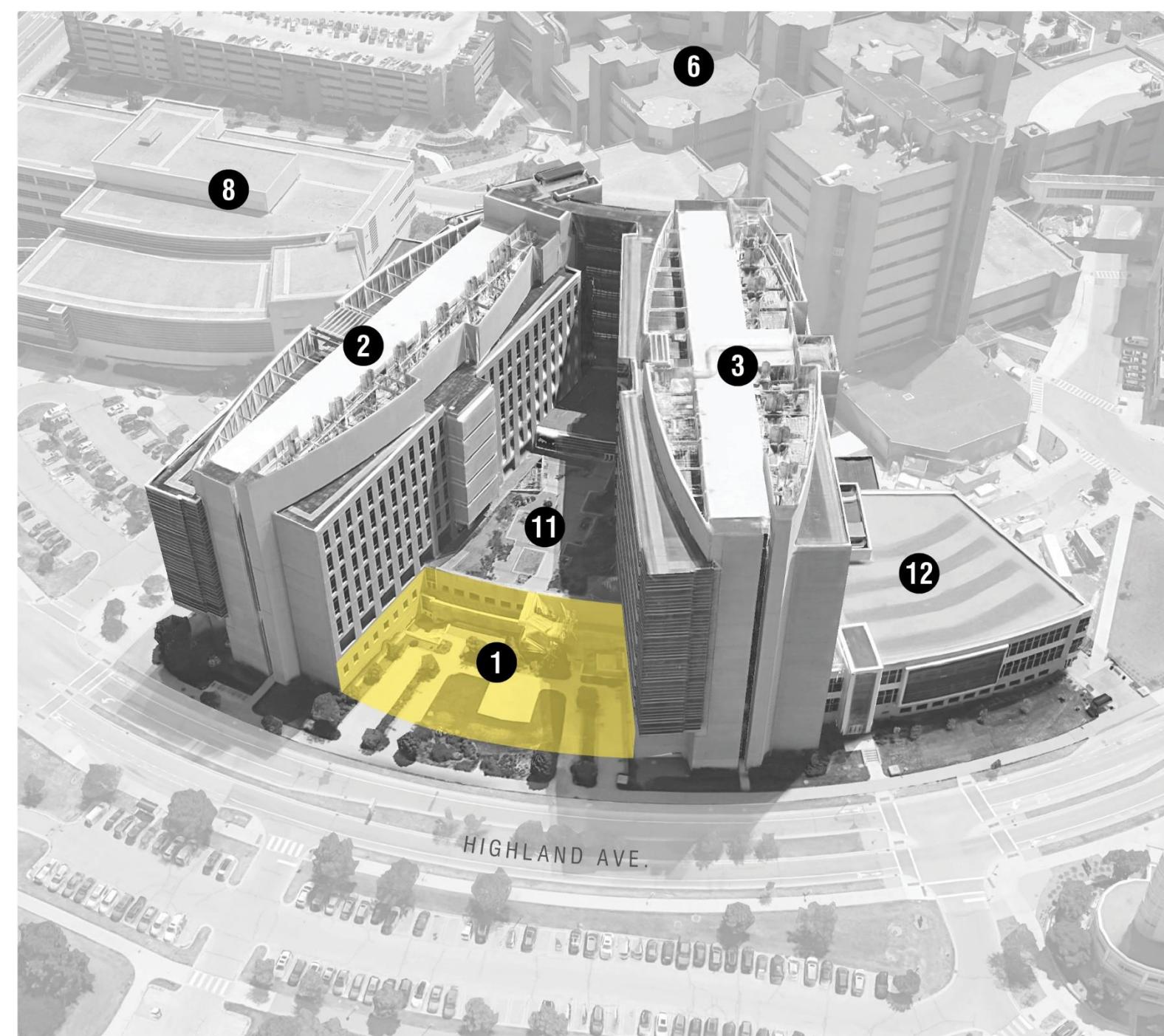
**8** Health Sciences Learning Center  
*School of Medicine and Public Health*

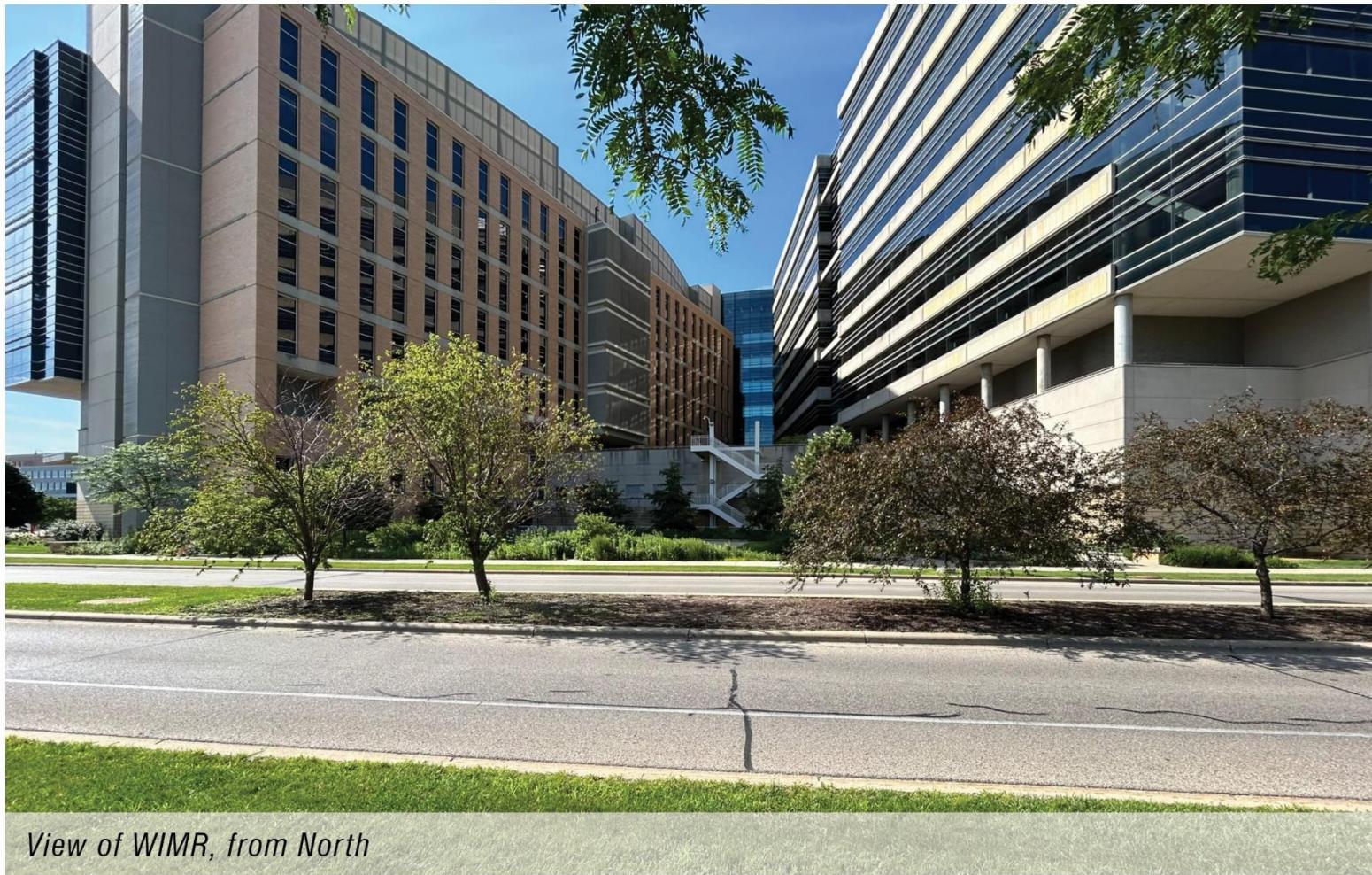
**9** School of Pharmacy Building

**10** School of Nursing Building

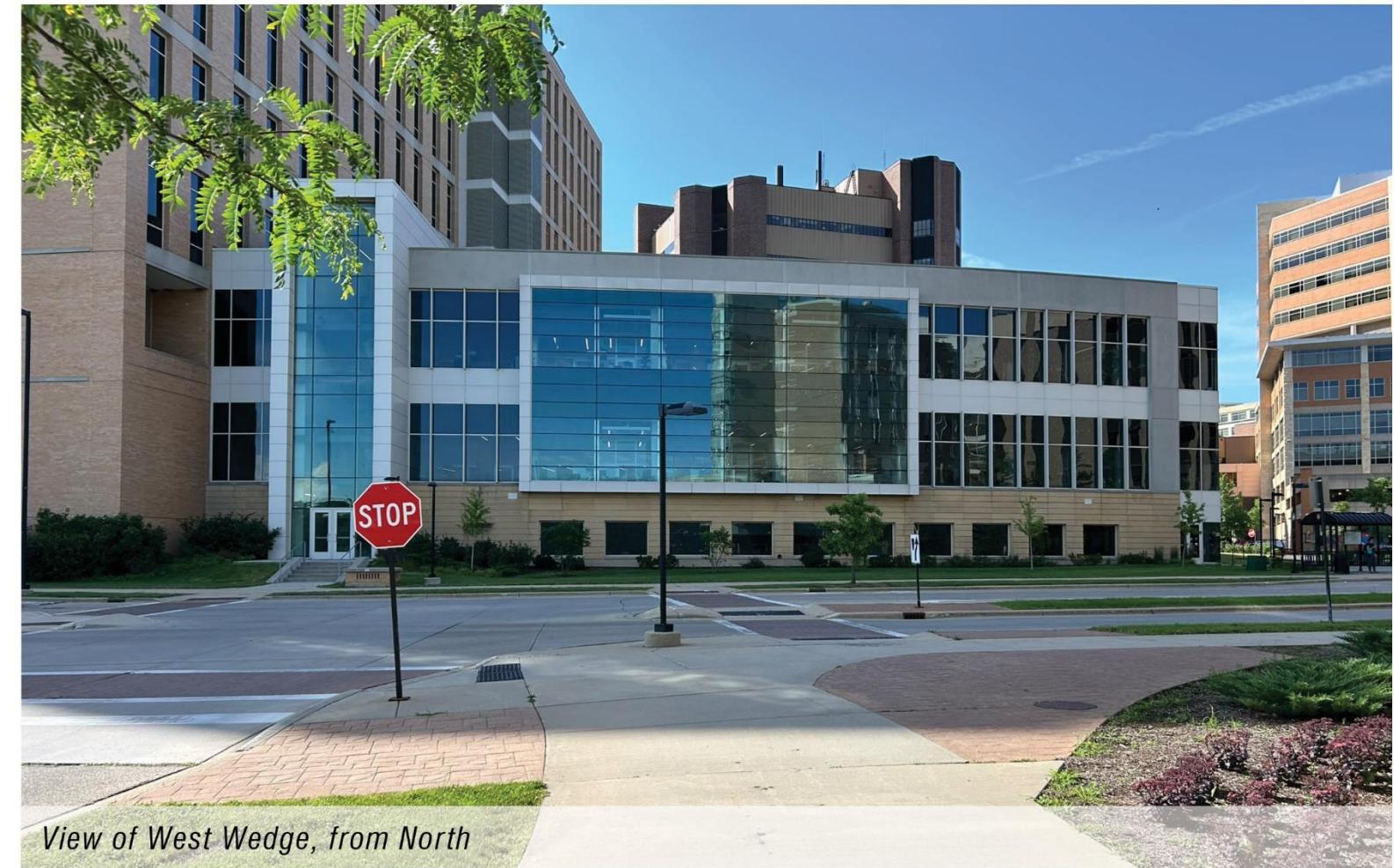
**11** East Wedge

**12** West Wedge





*View of WIMR, from North*



*View of West Wedge, from North*



*View (Far) looking South East*



*View looking North West*

## LEGEND

- PAVERS - TYPE 1
- PAVERS - TYPE 2
- STONE BALLAST - TYPE 1
- STONE BALLAST - TYPE 2
- EXTENSIVE SHADE MATRIX
- EXTENSIVE SUN / SHADE MATRIX
- EXTENSIVE SUN MATRIX
- SEPARATION EDGING
- SEATWALL
- ORNAMENTAL TREE

WISCONSIN  
Abbie Mollen  
LA-473  
Landscape Architect  
10/06/2025

Potter  
Lawson  
Success by Design  
Architect / Lab Planning:  
**h+k**

PLI Project No:  
2023.35.00  
Consultant:  
**saiki**  
DESIGN  
1110 S PARK STREET  
MADISON, WI 53715  
PHONE: 608-251-3600

Key Plan:  
Project Location  
Existing Construction

**PRELIMINARY**  
NOT FOR CONSTRUCTION

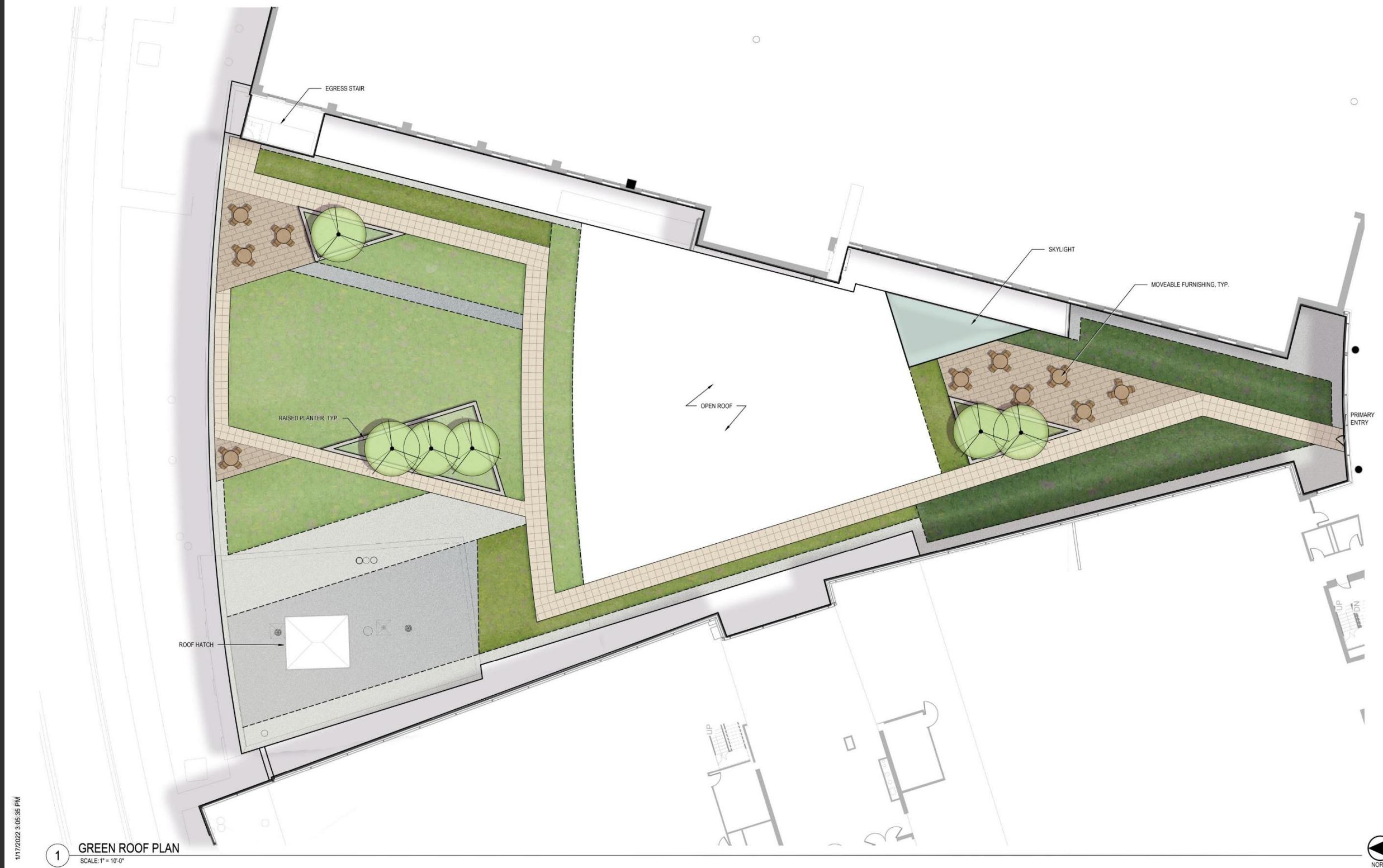
The Board of Regents of the  
University of Wisconsin on behalf of  
the University of Wisconsin - Madison

Project Title:  
**WIMR East Wedge Cyclotron and Expansion**  
Project Location:  
**Wisconsin Institute for Medical Research**  
University of Wisconsin - Madison  
School of Medicine and Public Health

Project Number:  
1111 Highland Avenue, Madison, WI 53705

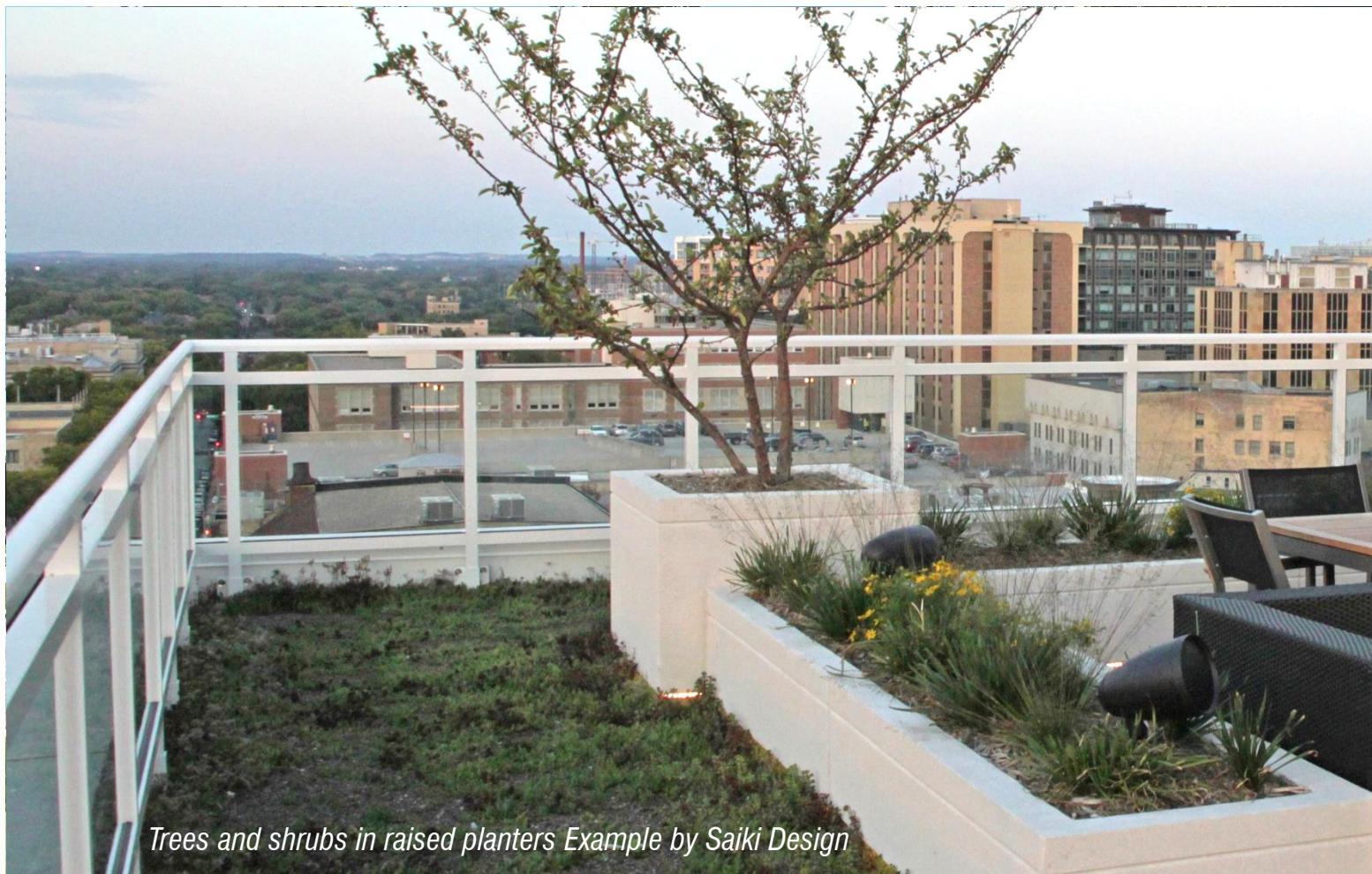
Revisions:  
No. Date Description:

Graphic Scale: 0' 2.5' 5' 10' 15'  
UWSA, UW Project #: A-23-011, 1485-2343  
Set Type: LAND USE  
Date Issued: 10/06/2025  
Sheet Number: A2.05  
NORTH



View of WIMR East Wedge Cyclotron and Expansion – Green Roof Plan

L3 Level



*Trees and shrubs in raised planters Example by Saiki Design*



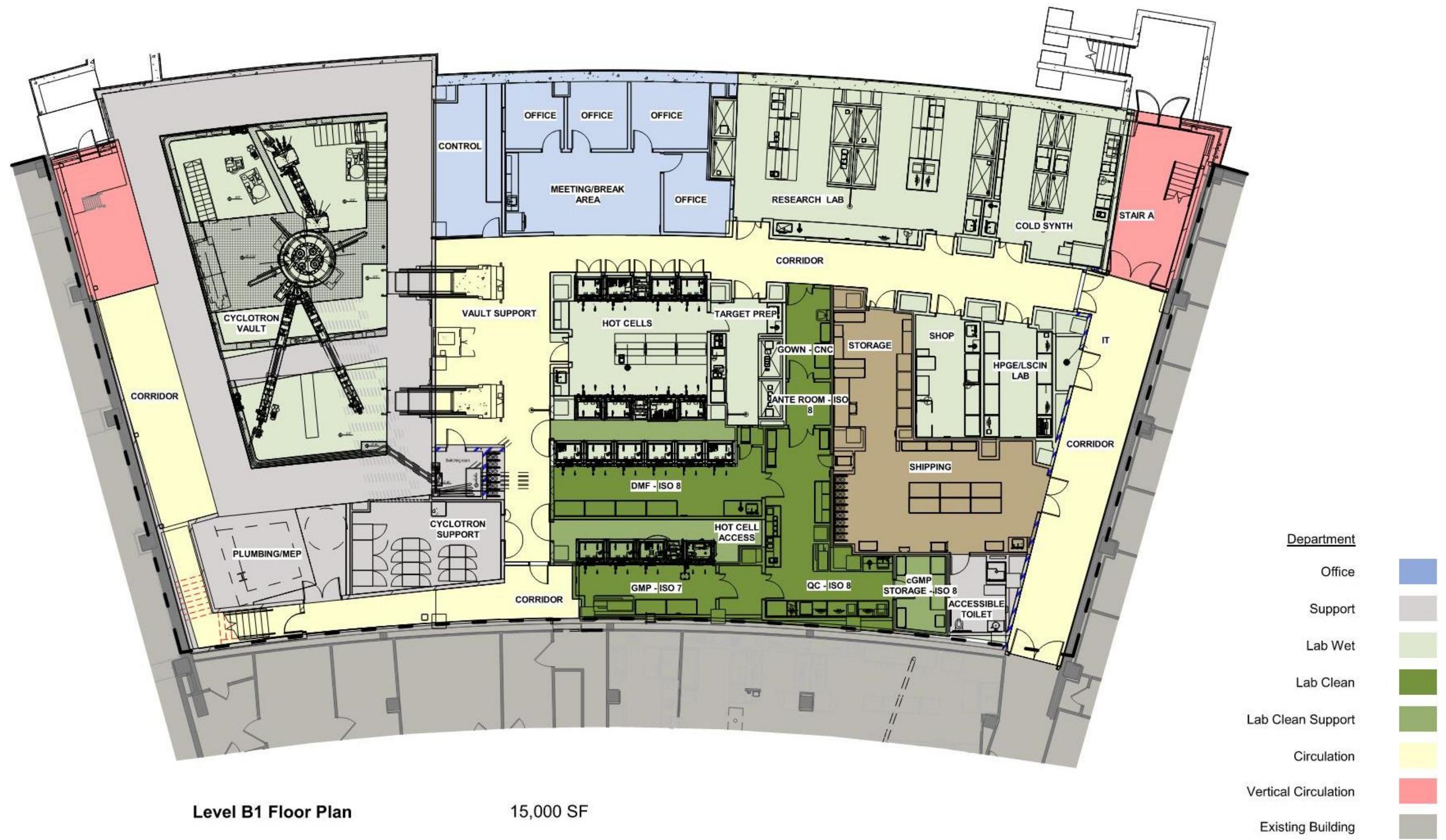
*Extensive Sun Example. Project by Saiki Design.*



*Gathering spaces provided near primary entry and at parapet, linked by walking circuit example with partial shade.*



*Extensive Shade Example. Photo from Liveroof LLC.*



B1 Level Floor Plan of WIMR East Wedge Cyclotron and Expansion

The vault configuration and support space will change from what is shown here

# PLAN NOTES

1. FIELD VERIFY SURVEY INFORMATION PRIOR TO THE START OF CONSTRUCTION AND REPORT ANY DISCREPANCIES TO THE LANDSCAPE ARCHITECT.
2. CONTACT DIGGER'S HOTLINE, CITY OF MADISON, AND UW-MADISON TO LOCATE ALL PUBLIC AND PRIVATE UTILITY LOCATIONS PRIOR TO STARTING WORK.
3. FIELD VERIFY ALL EXISTING SITE CONDITIONS AND UTILITIES PRIOR TO STARTING WORK. ANY DAMAGE CAUSED TO EXISTING UTILITIES, EITHER SHOWN OR NOT, SHALL BE REPAIRED AND PAID FOR AT THE CONTRACTOR'S EXPENSE.
4. PROTECT ALL BENCHMARKS. INCLUDE ANY RELOCATED BENCHMARKS IN AS-BUILT DRAWINGS.
5. PROTECT ALL EXISTING PAVEMENTS, CURBS, UTILITIES, AND OTHER IMPROVEMENTS (TO REMAIN) FROM CONSTRUCTION ACTIVITIES. RESTORE ALL AREAS DISTURBED BY CONSTRUCTION RELATED ACTIVITIES TO EXISTING CONDITIONS AT COMPLETION OF WORK UNLESS SHOWN OTHERWISE ON PLANS.
6. VERIFY THAT SPECIFIED PLANTING SOIL AND GROWING MEDIA DEPTHS ARE PRESENT PRIOR TO SODDING OR PLANTING. NOTIFY LANDSCAPE ARCHITECT OF ANY PROBLEMS.
7. RESTORE ANY AND ALL AREAS THAT ARE DISTURBED WITHIN OR OUTSIDE OF CONSTRUCTION LIMITS WITH MATERIALS MATCHING EXISTING CONDITIONS, AS DETERMINED BY THE LANDSCAPE ARCHITECT, AT NO ADDITIONAL COST TO THE PROJECT. MATERIALS AND CONSTRUCTIONS USED FOR RESTORATION SHALL CONFORM TO THE PROJECT DOCUMENTS.
8. CONTRACTOR SHALL TAKE PRECAUTIONS DURING CONSTRUCTION TO NOT DISFIGURE, SCAR, OR IMPAIR THE HEALTH OF ANY STREET TREE. CONTRACTOR SHALL OPERATE EQUIPMENT IN A MANNER AS TO NOT DAMAGE THE BRANCHES OF THE STREET TREE(S). THIS MAY REQUIRE USING SMALLER EQUIPMENT AND LOADING AND UNLOADING MATERIALS IN A DESIGNATED SPACE AWAY FROM TREES ON THE CONSTRUCTION SITE. ANY DAMAGE OR INJURY TO EXISTING STREET TREES (EITHER ABOVE OR BELOW GROUND) SHALL BE REPORTED IMMEDIATELY.
9. THE STORAGE OF PARKED VEHICLES, CONSTRUCTION EQUIPMENT, BUILDING MATERIALS, REFUSE, EXCAVATED SPOILS OR DUMPING OF POISONOUS MATERIALS ON OR AROUND TREES AND ROOTS WITHIN FIVE (5) FEET OF THE TREE OR WITHIN THE PROTECTION ZONE IS PROHIBITED.
10. ON THIS PROJECT, STREET TREE PROTECTION ZONE FENCING IS REQUIRED. THE FENCING SHALL BE ERECTED BEFORE THE DEMOLITION, GRADING OR CONSTRUCTION BEGINS. THE FENCE SHALL INCLUDE THE ENTIRE WIDTH OF TERRACE AND, EXTEND AT LEAST 5 FEET ON BOTH SIDES OF THE OUTSIDE EDGE OF THE TREE TRUNK. DO NOT REMOVE THE FENCING TO ALLOW FOR DELIVERIES OR EQUIPMENT ACCESS THROUGH THE TREE PROTECTION ZONE.
11. STREET TREE PRUNING SHALL BE COORDINATED WITH UW-MADISON GROUNDS AT A MINIMUM OF TWO WEEKS PRIOR TO THE START OF CONSTRUCTION FOR THIS PROJECT. ALL PRUNING SHALL FOLLOW THE AMERICAN NATIONAL STANDARDS INSTITUTE (ANSI) A300- PART 1 STANDARDS FOR PRUNING.
12. ALL WRAPPINGS, WIRE BASKETS, BURLAP, AND OTHER MISCELLANEOUS MATERIAL SHALL BE COMPLETELY REMOVED FROM ALL SHRUB AND TREE ROOT BALLS PRIOR TO INSTALLATION.
13. APPLY MYCORRHIZAL FUNGI TO ALL PLANTINGS AS OUTLINED IN SPECIFICATIONS.
14. CONTRACTOR IS RESPONSIBLE FOR WATERING AND MAINTENANCE OF PLANT MATERIAL, SEE SPECIFICATIONS FOR MORE INFORMATION.

## PLANT SCHEDULE

<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>	<u>CONT.</u>	<u>SIZE</u>	<u>QTY</u>	<u>SYMBOL</u>	<u>CODE</u>	<u>BOTANICAL / COMMON NAME</u>	<u>CONT</u>	<u>SIZE</u>	<u>QTY</u>
<b>DECIDUOUS TREES</b>											
	CJ	Carpinus caroliniana 'J.N. Upright' / Firespire American Hornbeam	B & B	2" Cal	4		Ai	Aronia melanocarpa 'Morton' TM / Iroquis Beauty Black Chokeberry	#3	CONT.	8
	LT	Liriodendron tulipifera / Tulip Tree	B & B	2.5" Cal	1		Dc	Diervilla lonicera 'Copper' / Copper Low Bush Honeysuckle	#3	CONT.	10
<b>ORNAMENTAL TREES</b>											
	AG	Amelanchier x grandiflora 'Autumn Brilliance' / Autumn Brilliance Serviceberry	B & B	6" HT (MIN.)	1		Ho	Hamamelis vernalis / Ozark Witchhazel	B & B	48" HT (MIN.)	3
<b>DECIDUOUS SHRUBS</b>											
	Hb	Hydrangea paniculata 'Bulk' / Quick Fire® Panicle Hydrangea					Md	Microbiota decussata 'Celtic Pride' / Celtic Pride Siberian Cypress	#3	CONT.	10
	Iv	Itea virginica 'Sprich' / Little Henry® Sweetspire					Tm	Taxus x media 'Tauntonii' / Tauton Yew	#5	CONT.	1
<b>EVERGREEN SHRUBS</b>											
	Vd	Viburnum dentatum 'KLMseventeen' TM / Little Joe Viburnum					dsc	Deschampsia cespitosa / Tufted Hair Grass	#3	CONT.	6
							sph	Sporobolus heterolepis / Prairie Dropseed	#5	CONT.	10
<b>GRASSES</b>											
									#1	CONT.	7
									#1	CONT.	6
<b>PERENNIALS</b>											
	avw	Astilbe chinensis 'Vision in White' / Vision in White Chinese Astilbe							#1	CONT.	3
	hri	Heuchera richardsonii / Prairie Alumroot							#1	CONT.	6
	pas	Polystichum acrostichoides / Christmas Fern							#1	CONT.	4

## PLANT ECOLOGICAL ATTRIBUTES

Botanical / Common Name	WI Native	Wildlife Habitat	Pollinator Friendly
<u>Deciduous Trees</u>			
<i>Carpinus caroliniana</i> 'J.N. Upright' / Firespire American Hornbeam	x	x	x
<i>Liriodendron tulipifera</i> / Tulip Tree	x	x	x
<u>Ornamental Trees</u>			
<i>Amelanchier x grandiflora</i> 'Autumn Brilliance' / Autumn Brilliance Serviceberry	x	x	x
<u>Deciduous Shrubs</u>			
<i>Aronia melanocarpa</i> 'Morton' TM / Iroquis Beauty Black Chokeberry	x	x	x
<i>Diervilla lonicera</i> 'Copper' / Copper Low Bush Honeysuckle	x		x
<i>Hamamelis vernalis</i> / Ozark Witchhazel	x	x	x
<i>Hydrangea paniculata</i> 'Bul' / Quick Fire Panicle Hydrangea			
<i>Itea virginica</i> 'Sprich' / Little Henry Sweetspire			x
<i>Viburnum dentatum</i> 'KLMseventeen' / Little Joe Viburnum	x	x	x
<u>Evergreen Shrubs</u>			
<i>Microbiota decussata</i> 'Celtic Pride' / Celtic Pride Siberian Cypress		x	
<i>Taxus x media</i> 'Tauntonii' / Tauton Yew		x	
<u>Grasses</u>			
<i>Deschampsia cespitosa</i> / Tufted Hair Grass	x	x	
<i>Sporobolus heterolepis</i> / Prairie Dropseed	x	x	
<u>Perennials</u>			
<i>Astilbe chinensis</i> 'Vision in White' / Vision in White Chinese Astilbe			x
<i>Heuchera richardsonii</i> / Prairie Alumroot	x		x
<i>Polystichum acrostichoides</i> / Christmas Fern	x		

## LEGEND

-  MULCH
-  STONE MULCH
-  BLUEGRASS SOD
-  EXISTING TREE/SHRUB
-  METAL EDGING,  
SEE 6/C8.01
-  SHOVEL CUT EDGE,  
SEE 5/C8.01
-  TREE PROTECTION FENCE,  
SEE 8/C8.01

NOTE: SEE CIVIL PLANS FOR SITE  
DEMOLITION INFORMATION

## PRELIMINARY

NOT FOR CONSTRUCTION





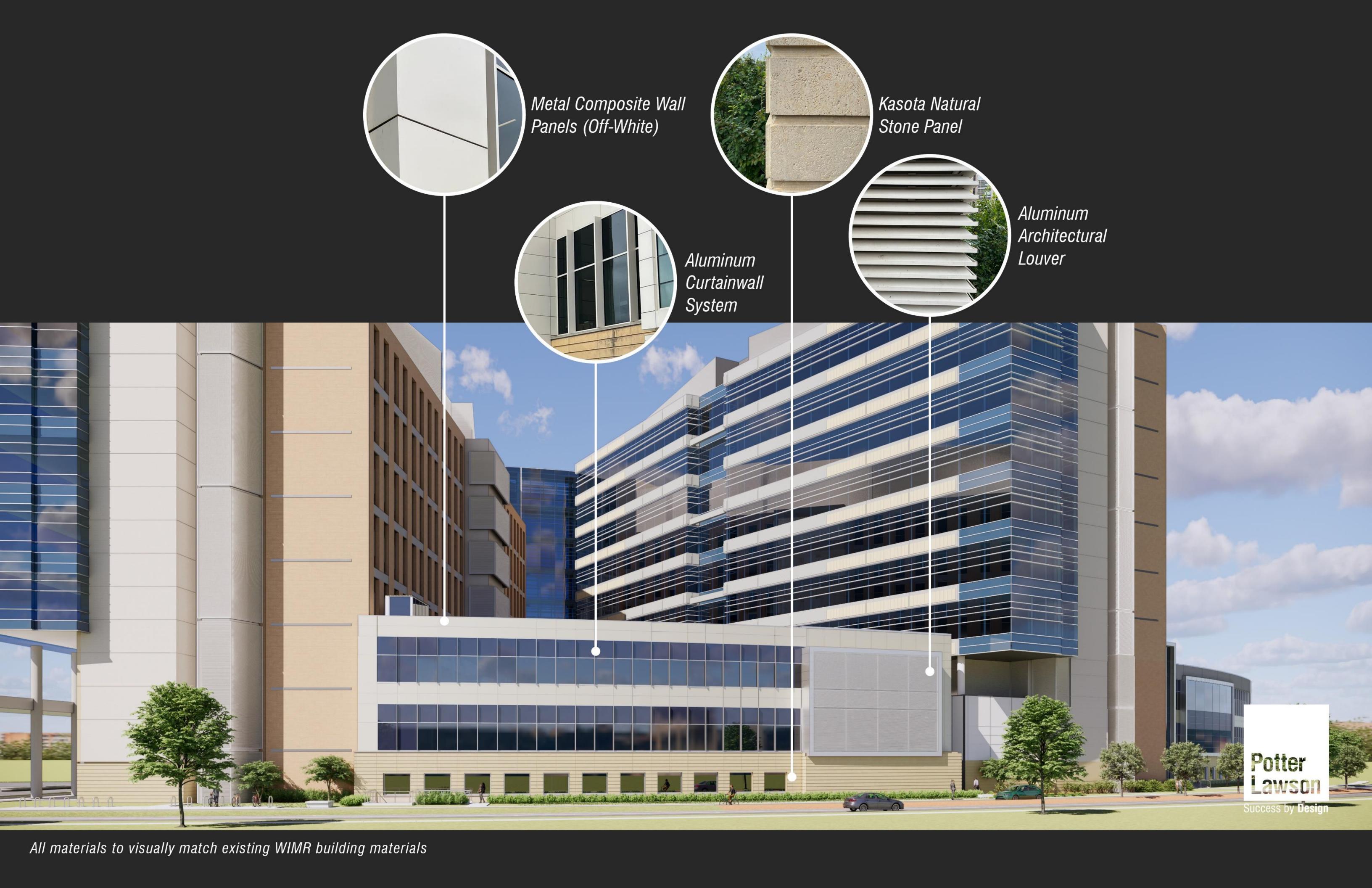
*View of WIMR East Wedge Cyclotron and Expansion from University Bay Fields looking Looking South West*

*Current Design*



*View of WIMR East Wedge Cyclotron and Expansion from University Bay Fields looking Looking South West*

*Current Design*



*Metal Composite Wall  
Panels (Off-White)*



*Kasota Natural  
Stone Panel*



*Aluminum  
Curtainwall  
System*



*Aluminum  
Architectural  
Louver*

*All materials to visually match existing WIMR building materials*

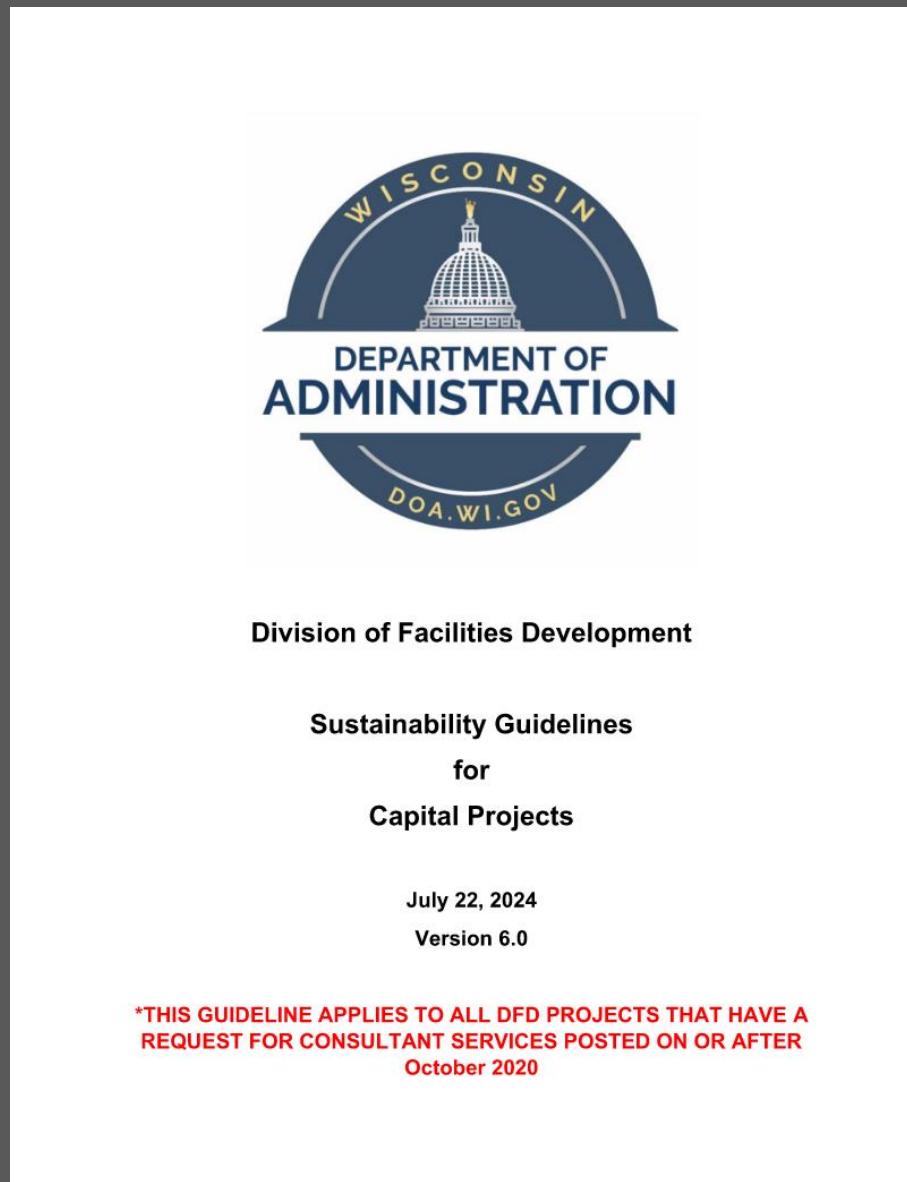
**Potter  
Lawson**  
Success by Design

# Sustainability Tracking

- DFD Sustainability Guidelines
- Universities of Wisconsin Guidelines

# Sustainability | Tracking Strategies

- DFD Sustainability Guidelines



**WIMR East Wedge Cyclotron Expansion Study**

**Sustainable Guidelines Matrix**

In Progress as of 9/10/2024

9/10/2024

Measure Number	Mandatory / Encouraged / Proposed	Measures	Phase / Decision Date	ACCEPT	DEVELOP	REJECT	COST \$\$\$	Payback	Maintenance High / Mid / Low	Strategy/Comments	UWSA	SYSTEM	CAMPUS	PLI	HOK	AEI	CX	GRAEF	SAIKI	CONTRACTOR	
		Designing for Integration		A	D	R															
1	Mandatory	Integrated sustainability Team meeting		1			NA	NA	NA	The project teams recognizes the importance of integrating the architectural, mechanical and electrical systems as parts of a whole building/energy system. Mechanical, civil, plumbing and electrical engineers are integral to the success of the building design and are providing comments on the predesign architectural concept. Multiple design and Sustainability review meetings have been part of the predesign with weekly coordination meetings.				P							
2	Mandatory	Sustainability Narrative		1			NA	NA	NA	This document lists the measures indicated in the DFD Sustainability Guidelines (both mandatory and encouraged) and highlights the strategies the project team is targeting for the sustainability goals for this project. It is the intent of the project team that this document becomes the Sustainability Narrative for the project. This is a living document that will be updated throughout the project, not just at the				P	S						
		Subtotal		2	0	0															
		Designing for Equitable Communities	Phase	A	D	R															
1	Mandatory	Walkscore		1			NA	NA	NA	The current walkscore for the building address 1111 Highland Ave. is 64 per <a href="https://www.walkscore.com/score">https://www.walkscore.com/score</a> . This location is somewhat walkable, where some errands can be accomplished on foot.				P							
2	Mandatory	Arnstein's Ladder of Citizen Participation		1			NA	NA	NA	Based on the number of meetings, engagement from faculty, staff and UW the current Arenstein level of engagement is 6: Partnership				P							
3	Mandatory	COTE Super Spreadsheet		1			NA	NA	NA	Use a survey (or an educated guess) to determine average commuting distance and average mpg of the building's occupants. If no information is available, use the baseline (US national average). The baseline is 4483. No information was				P	S				S		
4	Mandatory	Provide bike racks within 100 yds of the project's primary entry.		1			\$	NA	NA	The project team will work with the Campus, WIMR and the City to identify the correct number of bike stalls to include in the project. Sustainability Guidelines minimums include: Office/Workplace/Laboratory: For categories not specified above, provide 1 space per 2000 square feet. 10 Racks will be included on the site plan. There are stalls to the east of the project site near the main entry to									S	P	
5	Mandatory	Mother's Rooms		1			\$	NA	Low	Provide (1) mother's room per the first 200 occupants, and additional capacity for each additional 200 occupants. 2 Mothers rooms were included in the FR plans. The A/E worked with the Campus to provide the adequate amount.				S	P						
6	Mandatory	Wellness Room		1			\$	NA	Low	Minimum of (1), (2) are shown in plan. Alternates every other floor above the first level with Mothers' Room. This was approved by the Campus.				S	P						

- **Preliminary List of Sustainable Strategies**

### **Measure 3: Designing for Ecology**

1. Bird Collision Deterrence – Bird Glass – Staggered 2x2 pattern –  $\frac{1}{4}$ " dots – All Glass
2. Native Vegetation – Minimum 20% of plantings

### **Measure 4: Designing for Water**

1. High efficiency plumbing fixtures
2. Storm water management, including green roof
3. New green roof terrace on the East Wedge

### **Measure 6: Designing for Energy**

1. The Window to Wall Ratio on the north exposure shall not exceed 40%
2. LED lighting
3. Lighting controls
4. ASHRAE 90.1 2022 requirements (with exceptions)

### **Measure 7: Designing for Wellness**

1. Smoke-Free Environment
2. Biophilia will be encouraged – Example of the new green roof
3. Daylighting: Provide shared daylighting along the outside north wall and solatubes on the roof.



# Thank You

*WIMR East Wedge  
Cyclotron and Expansion Project*

*University of Wisconsin-Madison  
School of Medicine & Public Health*

*UW Project # 1485-2511*

