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Meeting: Design Review Board Projects Memo

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Date/Time: March 19, 2024

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Memo Notes By: Janine Glaeser, UW-Madison  
FP&M, CPLA

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**Agenda (In Person/Hybrid):**

- 9:00-9:45am: UW Health D2 Module Expansion Project, Design Development Presentation  
Michael McKay, UW Health – Vote Requested
- 9:45-10:30am: Lakeshore Nature Preserve Master Plan, Informational Presentation  
Rhonda James, FP&M CPLA
- 10:30-11:30am: College of Engineering Building DFD Project No 21L3J, Design Development Presentation  
Bob Barr, Continuum – Vote Requested
- 11:30-12:15pm: Vilas Hall Courtyard Accessibility Renovation, Preliminary Design Review  
Mark Kruser, OPN Architects
- 

**Agenda Item #1: Vote Requested**

**Project Name:** UW Health D2 Module Expansion Project  
Design Development Presentation

**DRB Review & History:**

- DRB #2: Design Development Review 2/20/24
- JCAC: Design Review 1/25/23
- DRB #1: Preliminary Design Review 7/18/23

**Applicant/Contacts:**

Michael McKay, UW Health  
Mark Premo, UW Health  
Nick Savage, HKS  
Rupert Brown, HKS  
John Ford, EUA  
Dan Day, D'Onofrio Kottke

**Project Description:** The D2 Module project will add approximately 101,500 square feet to University Hospital, organized around the existing site module system. The D2 module has an approx. footprint of 14,600 square feet and this addition is proposed to be 6 floors (Level 1 –6) with a fully enclosed mechanical penthouse on level 7. The proposed D2 Module addition to University Hospital is included in the UW Madison Campus-Institutional District Master Plan. The new building is internally connected to the existing hospital (no external/new entrances) and will be served by the existing parking facilities.

**Project Schedule:**

- Design Completion: August 2024
- Construction Start: September 2024
- Substantial Completion: June 2026

**Campus Master Plan Recommendations:**

- [2015 Campus Design Guidelines & Standards](#): Health Sciences Neighborhood, p. 45-56

**Recommendations from DRB #2 2/20/24:**

1. Concern was expressed about the large, glazed corner element and vertical expression and whether it can fit within the existing horizontal context.
2. It is difficult to understand the building's exterior scale and the expression of the interior program.
3. Confirm light scatter is not going into the adjacent neighborhood.
4. Consider how existing context and new building can come together.
5. Concerned was expressed for how the A-3 ground level windows and exterior are treated and impact the pedestrian experience.
6. Consider adding trees and moveable furniture within the lawn of the respite area like. Soften and make landscaping less formal. Consider native plant materials, pollinator habitat plantings. Review kasota stone challenges and look at maintenance and resiliency. Add biomass.
7. The signage package for this building will be internal, not external.
8. The separate metering for sustainability is appreciated.

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**Agenda Item #2:** Informational Presentation

**Project Name:** Lakeshore Nature Preserve Master Plan

**Applicant/Contacts:**

Rhonda James, FP&M Landscape Architect  
Laura Wyatt, FP&M Lakeshore Nature Preserve

**Project Description:** These goals of the Lakeshore Nature Preserve Master Plan project were to document existing conditions of facilities and use with a focus on safety, identify clear vegetation community management targets to increase biodiversity, recommend site infrastructure and facilities that support teaching, research, and outreach, and identify additional planning and studies needed.

**Project Schedule:**

- JCAC: February 22, 2024, Informational Presentation

**Campus Master Plan recommendations:**

- [2015 Campus Design Guidelines & Standards:](#)  
Recreation Neighborhood p. 33-44
- 

**Agenda Item #3:** Vote Requested

**Project Name:** College of Engineering Building DFD Project No 21L3J  
Design Development Presentation

**DRB Review & History:**

- DRB #2 October 17, 2023 Preliminary Design Review
- JCAC #2 January 22, 2024
- DRB Master Plan Amendment December 19, 2023
- JCAC #1 July 2023
- DRB #1 March 21, 2023

**Applicant/Contacts:**

Dennis Rodenberg, FP&M CPD PM  
Bob Barr - Continuum  
David Lang – SmithGroup  
Andrew Mannion - SmithGroup  
Tom Rogers – SmithGroup

**Project Description:** This project proposes a new academic education and research facility for the College of Engineering (CoE). The new facility will consolidate instructional, research, student organizational, and lab spaces, as well as academic and research support services into one location.

**Campus Master Plan recommendations:**

- [2015 Campus Design Guidelines & Standards:](#)  
South Campus Neighborhood p. 115-132
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**Agenda Item #4:** Preliminary Design Review

**Project Name:** Vilas Hall Courtyard Accessibility Renovation

**DRB Review & History:**

- This project is before the DRB on March 19<sup>th</sup> to provide a Preliminary Design Presentation and will return to the DRB when full design is complete.

**Applicant/Contacts:**

Mark Kruser, OPN Architects  
Matt Dapp, DFD PM  
Casey Alton Ward, UW FP&M PM

**Project Description:**

The intent of this pre-design study for Vilas Communications Hall is to improve user accessibility to and from the building. The proposed exterior design modifications include the renovation of the North Court entry on University Ave. to provide a new concrete stair and ramp and additional bike parking.

**Campus Master Plan recommendations:**

- [2015 Campus Design Guidelines & Standards:](#)  
Near East Campus Neighborhood p. 103-114



# D2 Module Addition

University of Wisconsin – Design Review Board (Pre-Meeting)

March 7th, 2024



# Team Introduction

D2 Project Team

## UW Health



Mike McKay, Director of Planning Design and Construction



Mark Premo, Senior PM

## JP Cullen (CM)



Tom Pertzborn - Senior PM

## EUA (Architect of Record)



Ed Anderson, Client Executive



Rob Beisenstein, PM



John Ford, Senior Design Architect

## D'Onofrio Kottke (Civil/Landscape)



Dan Day, President



Matt Saltzberry, Landscape Architect



Dan Singer, Civil Engineer

## HKS (Design Architect)



Rupert Brown, Design Director



Darin Couturiaux, Senior PM



Nick Savage, Designer

# Design Review Board

## Meeting Agenda

- Project Description/Schedule
- Campus Masterplan
- Project Schedule
- Site Context
- Landscape Design: Revisions
- Exterior Design: Revisions
- Floor Plans
- QA/Next Steps




# Project Overview

## Project Program, Vision and Schedule

- The proposed D2 Module Addition to University Hospital is a necessary expansion to accommodate the continued growth of UW Health and ongoing modernization of University Hospital / CSC.
- D2 Program: 101,500 Sq/ft Addition
  - L1 – Facility Support Space (Below Grade)
  - L2 – ED Expansion (Below Grade)
  - L3 – Surgery & Diagnostic Imaging Pre-Post Expansion (Daylights)
  - L4-L6 – 48 Inpatient Beds (16 Beds Per Floor)
  - L7 – Full Enclosed Penthouse
- LEED 4.0 Certification
- Parking demand served by existing parking facilities
- Internally connected to the existing hospital (no external/new entrances) and does not present a significant change or alteration of the existing site.
- Existing vehicular and pedestrian circulation patterns, major landscaping and streetscapes will all remain the same.
- During construction we will be coordinated with ongoing operations of the hospital, adjacent buildings and site, and campus operations. The mature landscape will be maintained and restored if affected during construction.

The D2 Addition will embody seamlessly coordinated, clinically integrated, market leading, patient-preference driven access for all patients and foster an environment of joy in clinical practice and staff wellbeing. The D2 Addition will continue to express UW Health's commitment to sustainability and to improving the health of the communities it serves.

- 
- SD Package February 2, 2024
  - DD Package April 26, 2024
  - CD Package August 16, 2024
  - K4 Dock Reconfiguration: April 8, 2024 – July 1, 2024
  - Site Utility Installation/Reconfiguration: September 9, 2024 – November 15, 2024
  - D2 Tower Sitework: May 6, 2024 – January 13, 2025
  - D2 Tower Construction: September 26, 2024 – April 29, 2026
  - Move In: April 16, 2026 – June 11, 2026



# Project Background

Adherence to UW Campus Masterplan

Phase 3							
W-02	Parking Structure (Hospital Ramp Addition)	Parking	3	26,250	1,225	2017-2023	
W-04A	Health Sciences Expansion	Health/Hospital	7	60,500	-	2035+	
W-05	McClimon Track/Soccer Grandstand	Athletics	3	28,000	-	2035+	
Central District/Mountain Avenue/Health							
Union/Student							

Proposed Project 101,500 GSF

Level 1 & 2 below grade: 27,250 GSF

**Level 3-6 Above grade: 59,650 GSF**

Level 7 Penthouse: 14,600 GSF

4. FACILITIES PLAN: PROPOSED CONDITIONS

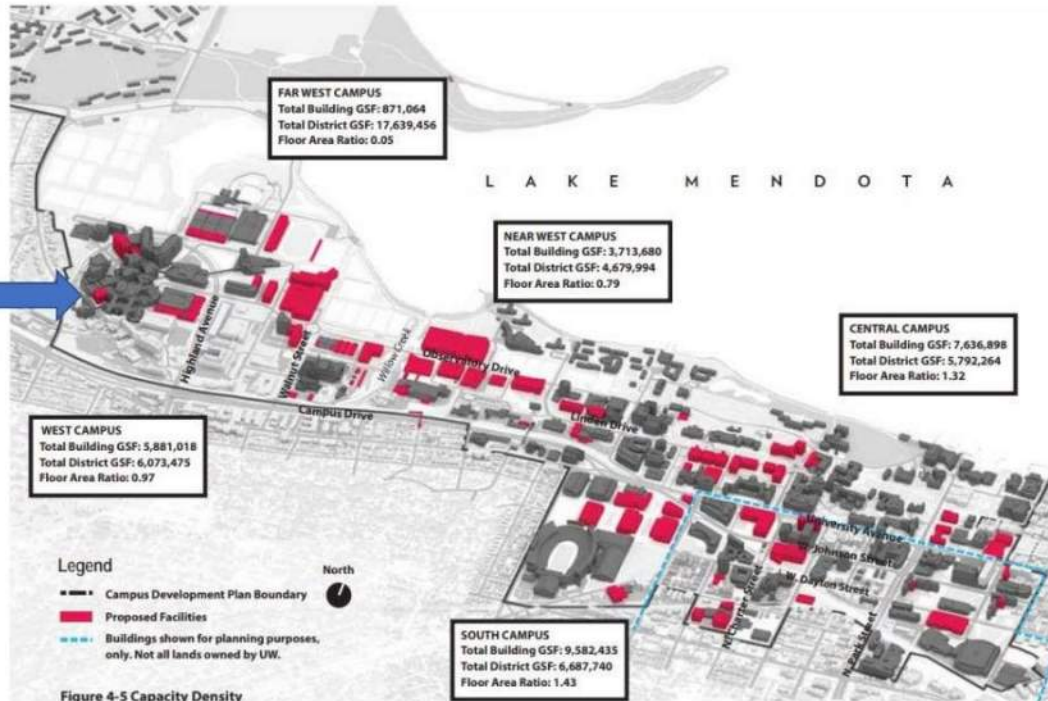


Figure 4-5 Capacity Density

4. FACILITIES PLAN: PROPOSED CONDITIONS

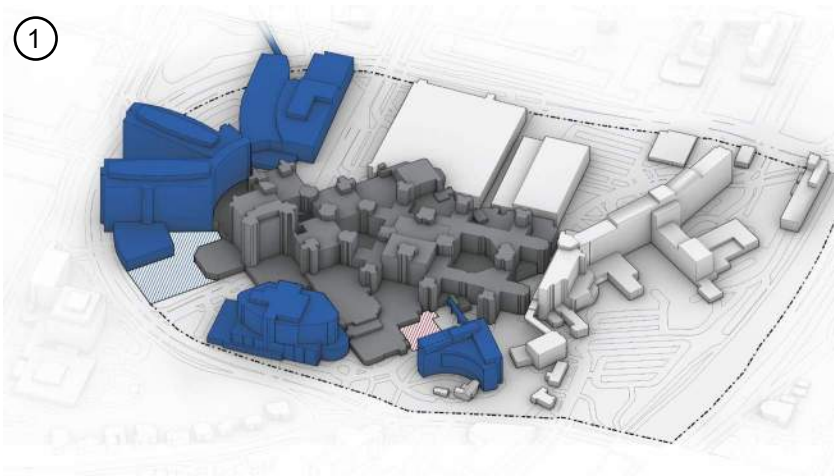


Figure 4-7 Far West and West Campus Building Key

# Project Background

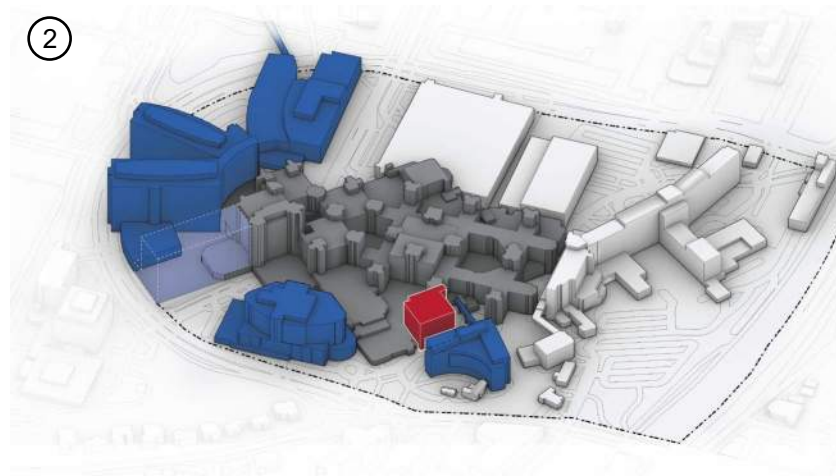
## UW Health Masterplan Development

①



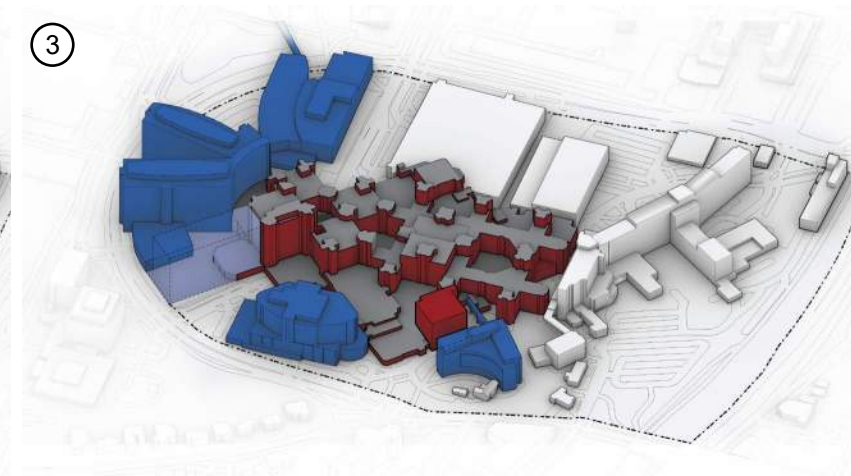
Available Real Estate within Ring-Road

②



D2 Expansion into Old CSC

③



D2 informs New CSC Language



# Project Background

## Context Images



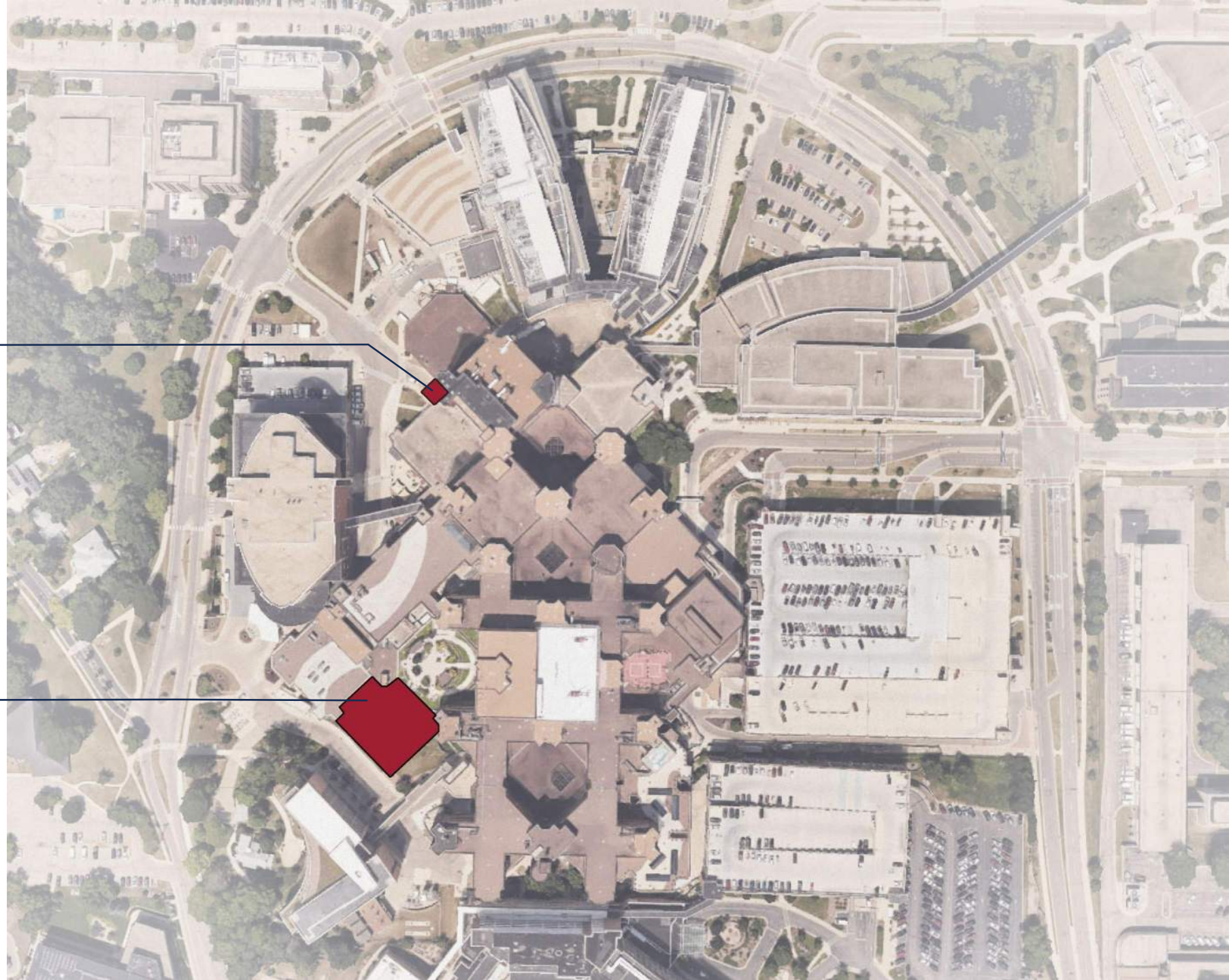


# Site Plan

Campus Site Plan

Proposed **K4**  
Temporary Dock  
Reconfiguration

Proposed **D2** module  
Expansion





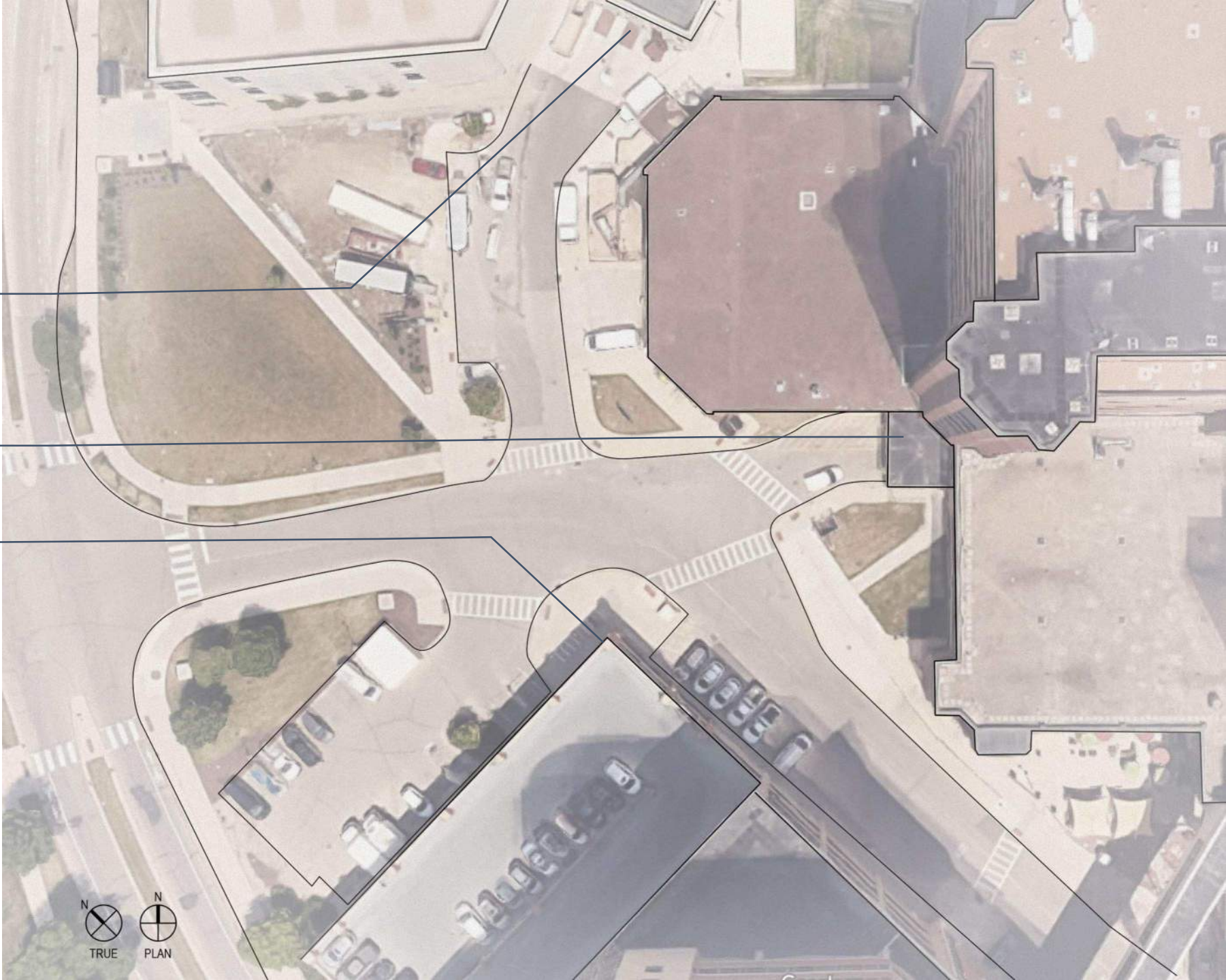
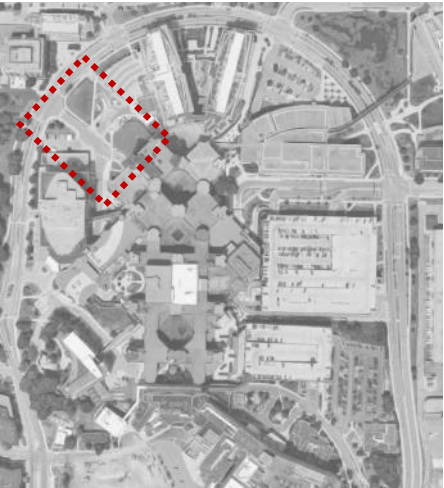
# Site Plan

K4 Site – Current Condition

EXISTING WIMR DOCK

EXISTING DOCK

AFCH





# Site Plan

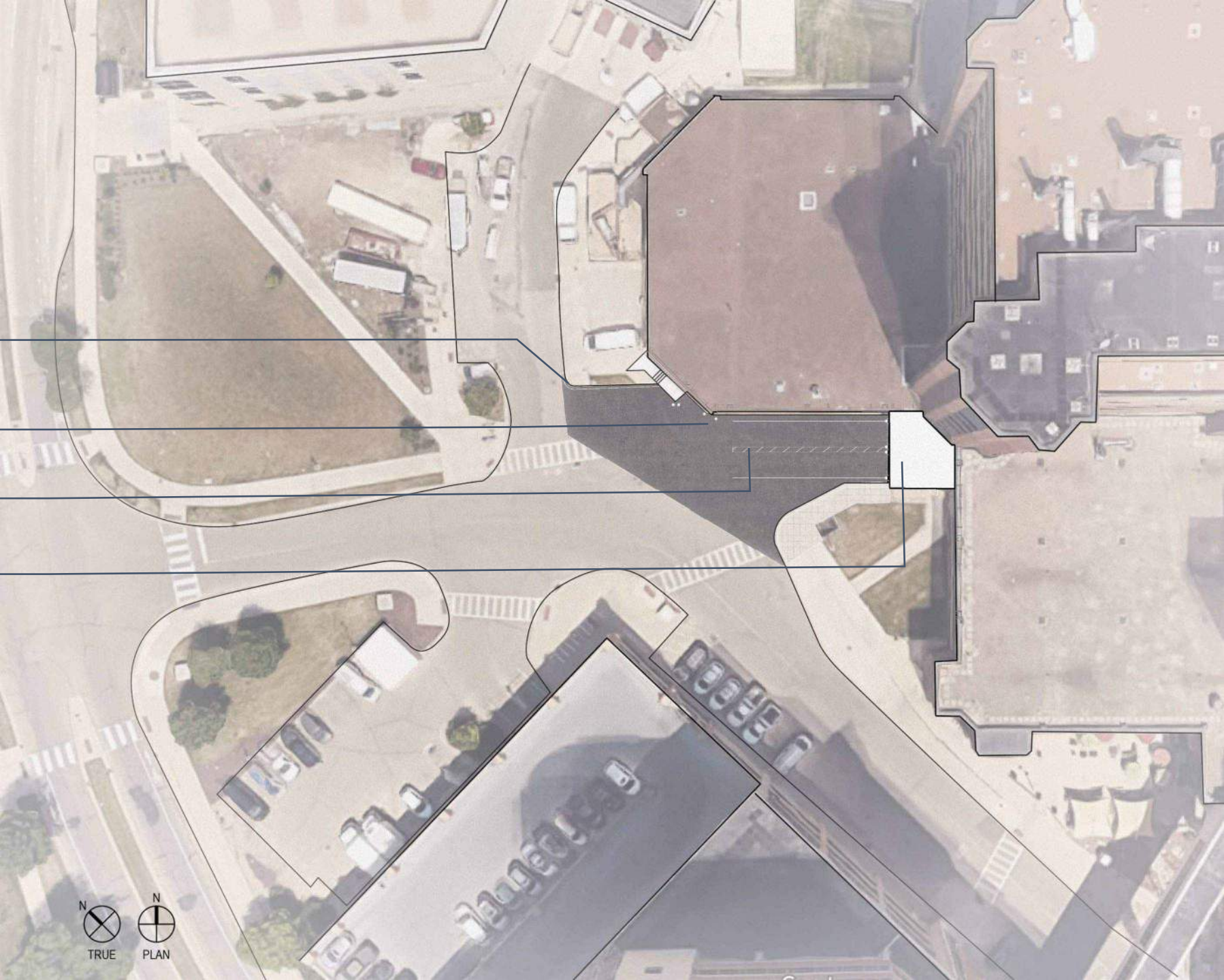
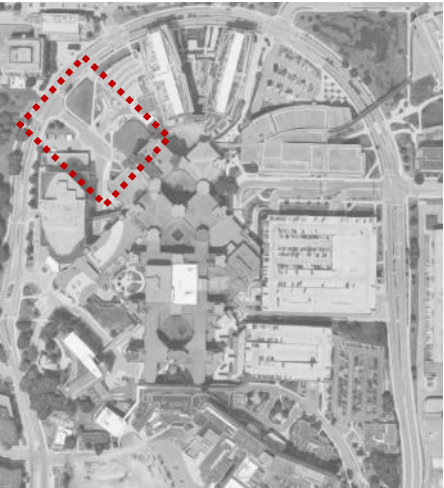
K4 Site – Temporary Dock

Reconfigured Curbs

Bollards

Truck Parking Area

New Dock Enclosure/  
Access Door





# Site Plan

D2 Site – Current Condition

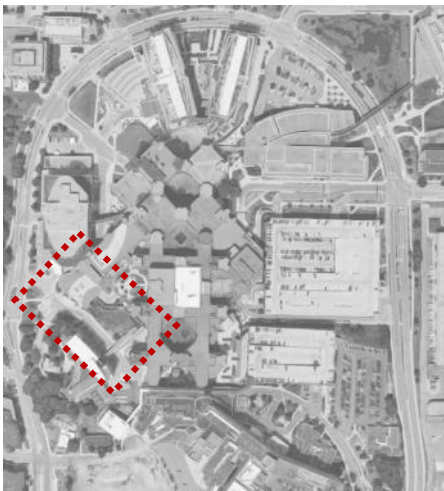
Existing Healing Garden  
(L4)

Existing Below-Grade  
open Dock (L1)

Existing Hospital

Centennial Building

Existing Rain Garden





# Site Plan

D2 Site – Proposed

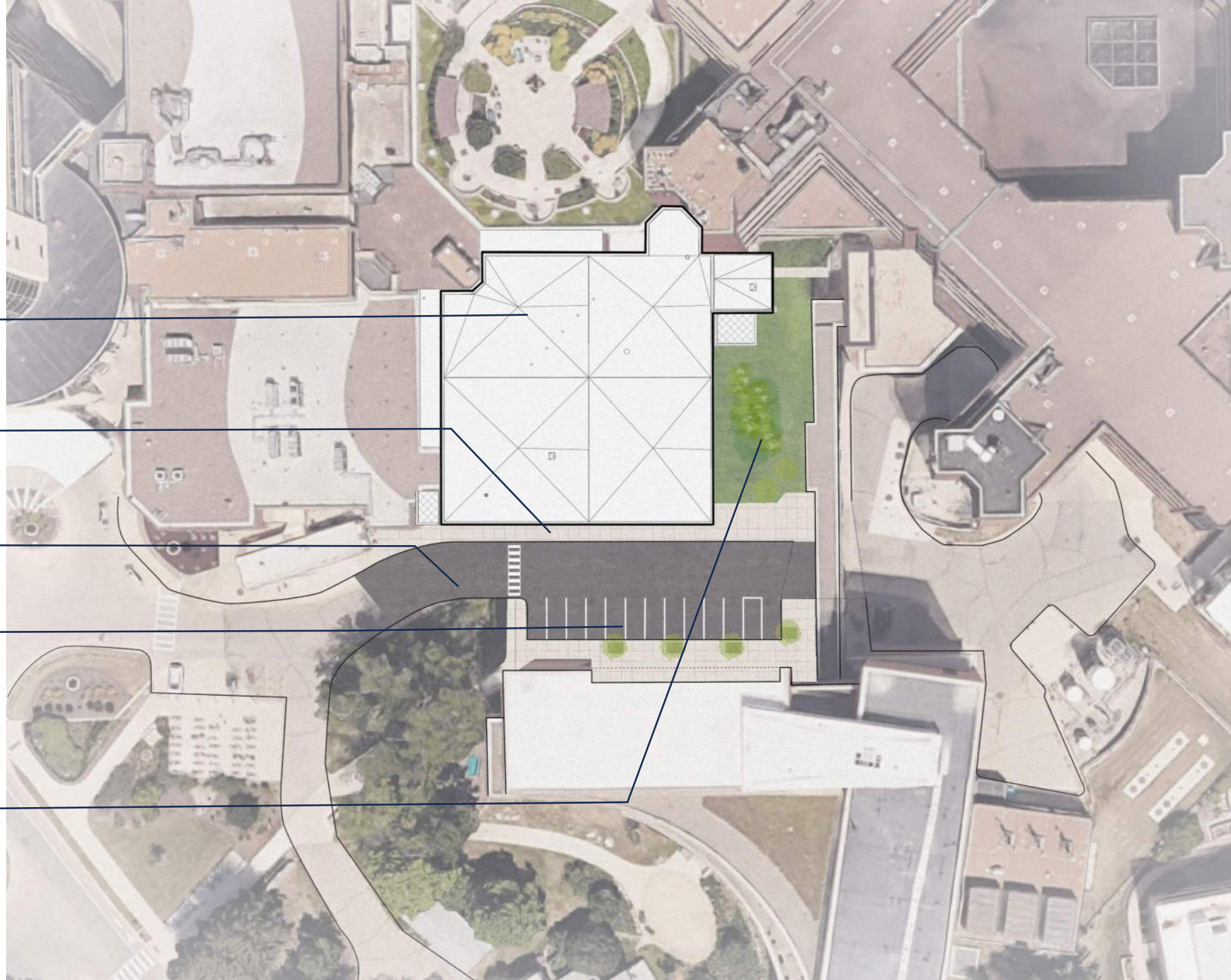
D2 Module Addition

New Sidewalk

Reconfigured 24'  
drive lane

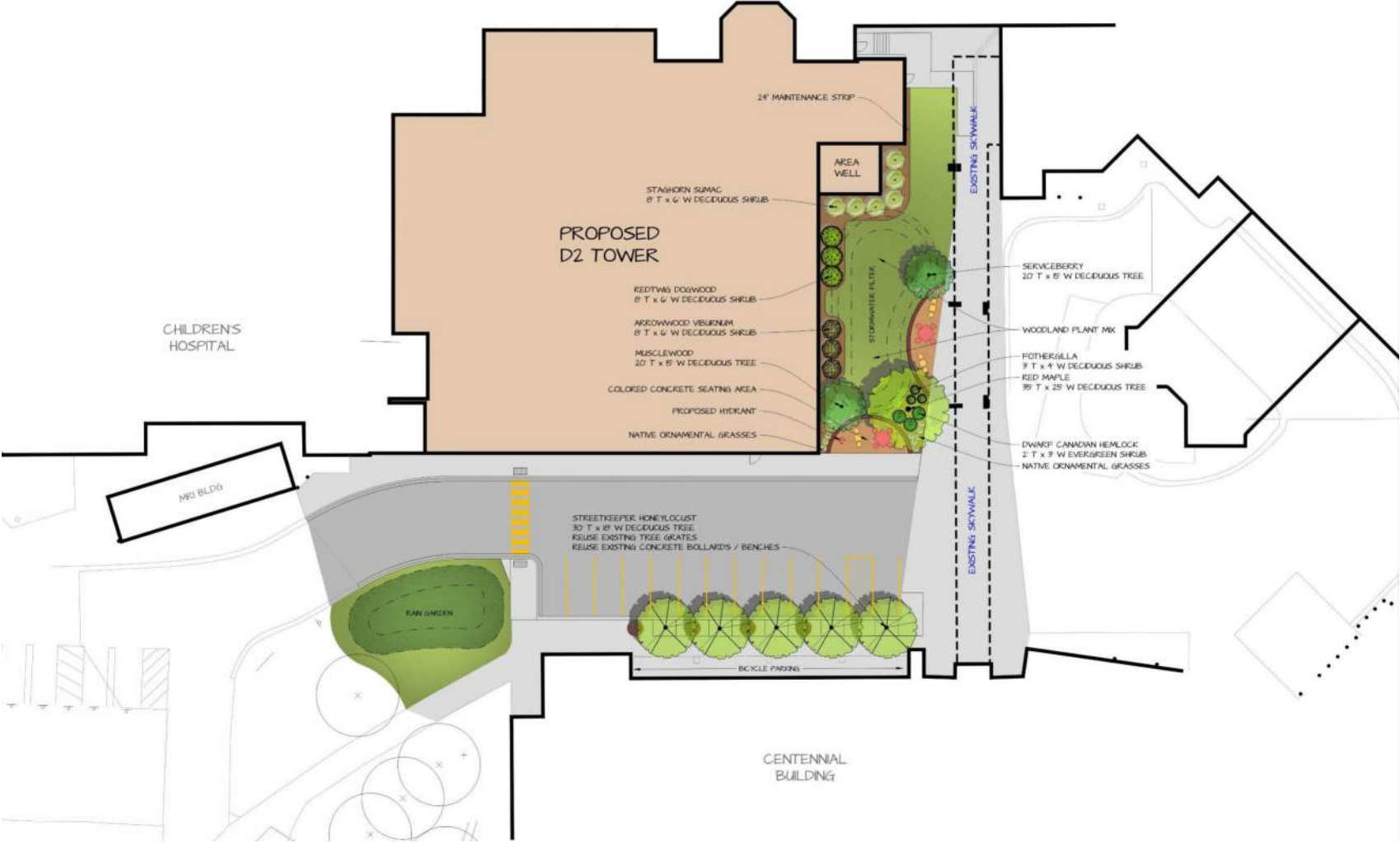
Reconfigured  
Parking Spots (12)  
& Relocated Trees

Bio-Retention +  
Staff Respite



# Site Plan

Rendered Site Plan





# Site Plan

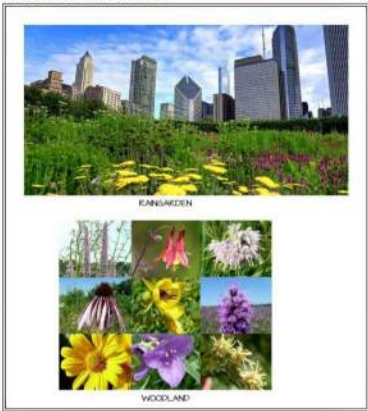
Existing Character



# Site Plan

## Amenities

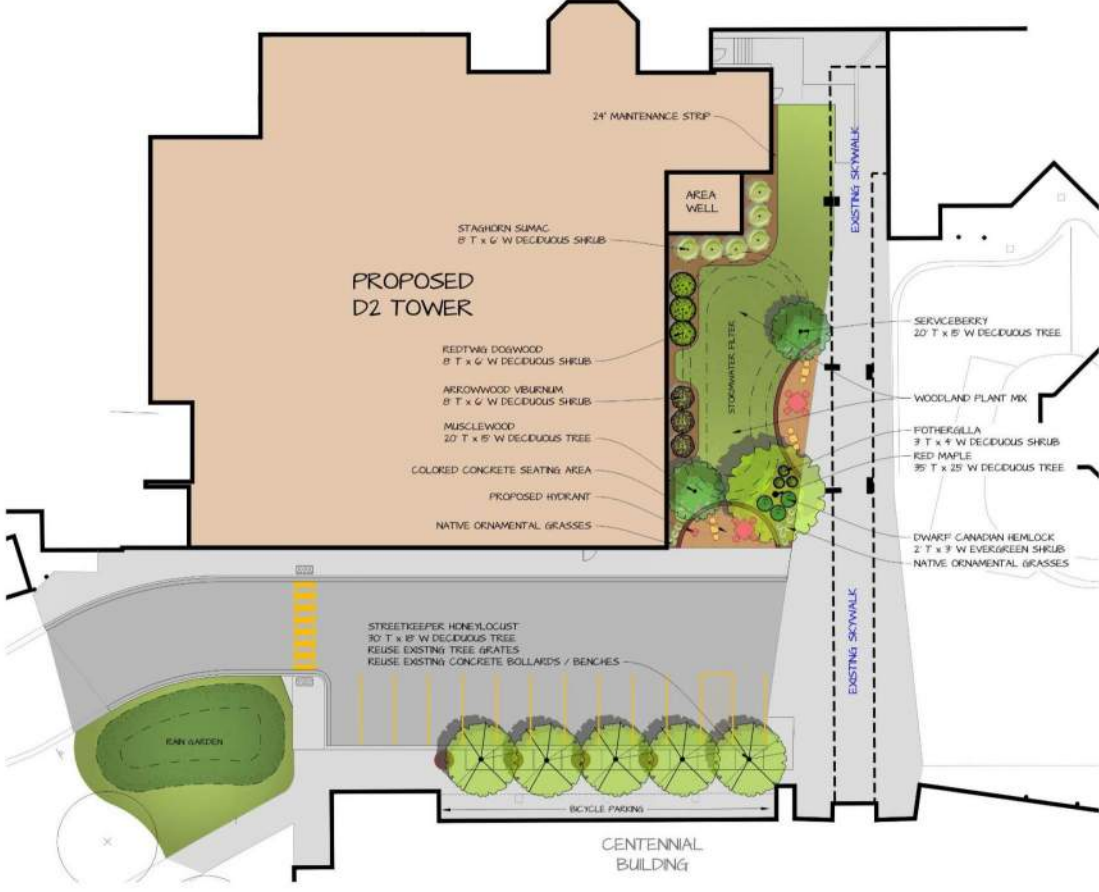
### GROUND LAYER PLANTS



### COLORED / STAMPED CONCRETE



### SEATING AMENITIES



# Site Plan

## Trees

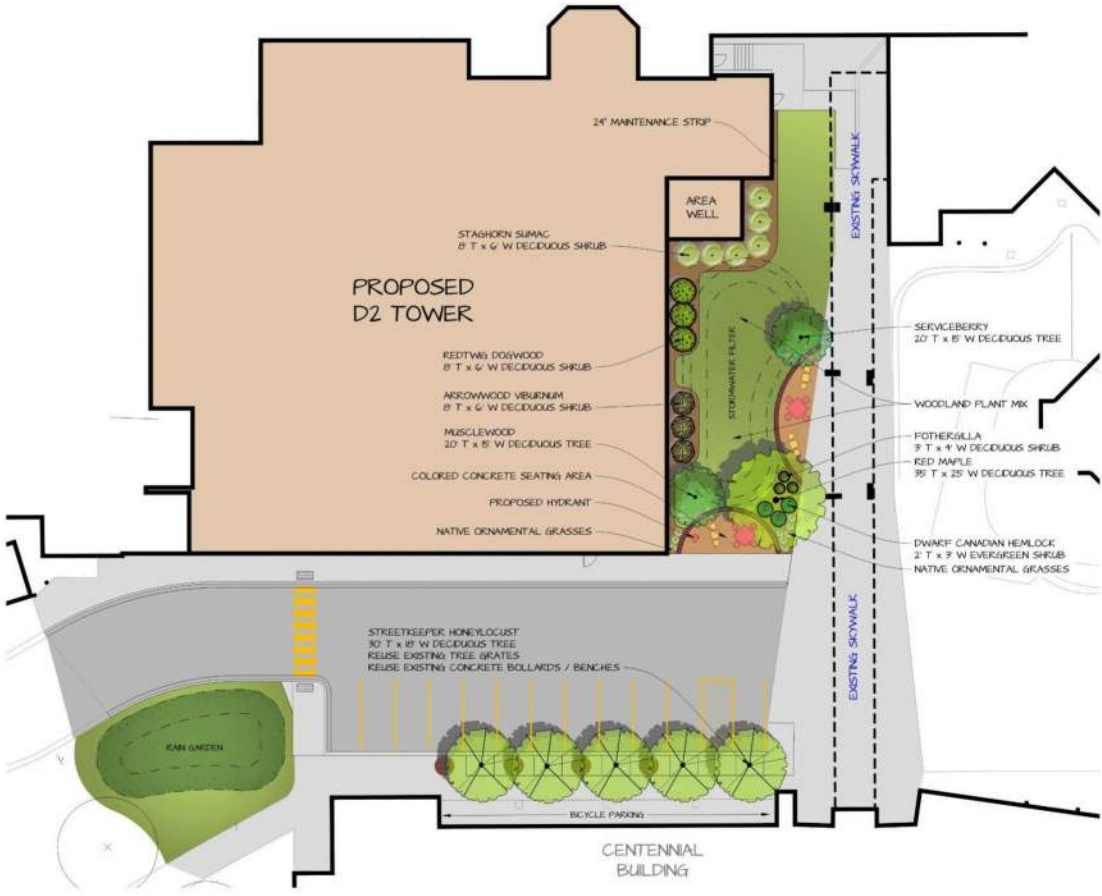
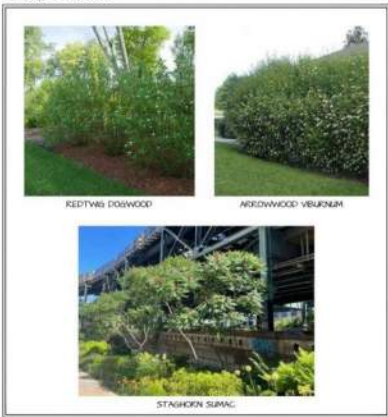
### SHADE TREES



### ORNAMENTAL TREES



### LARGE SHRUBS

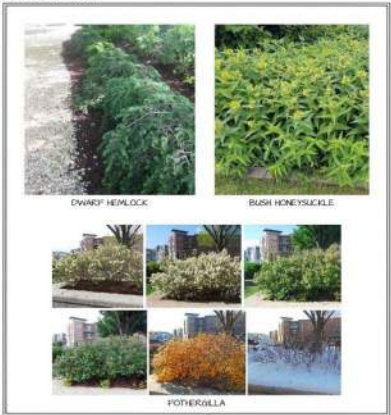




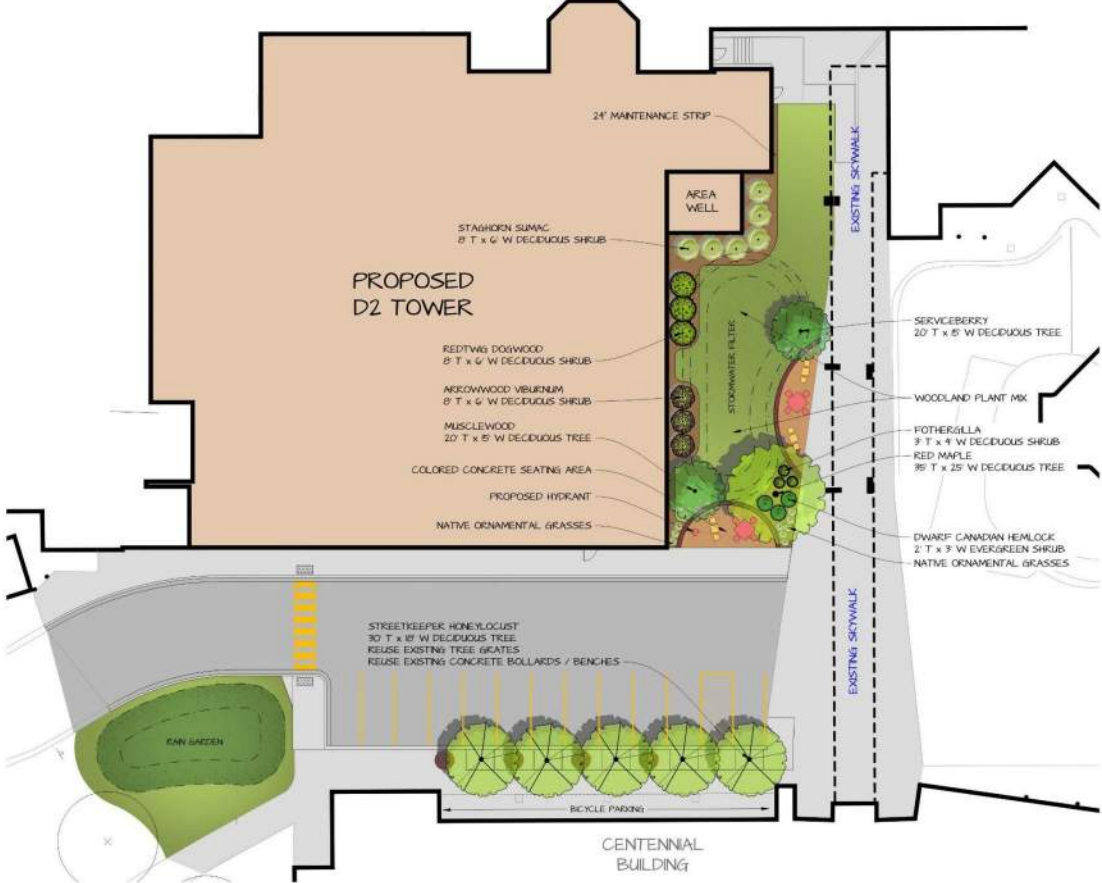
# Site Plan

## Plants

### LOW SHRUBS



### ORNAMENTAL NATIVE GRASSES



# Site Plan

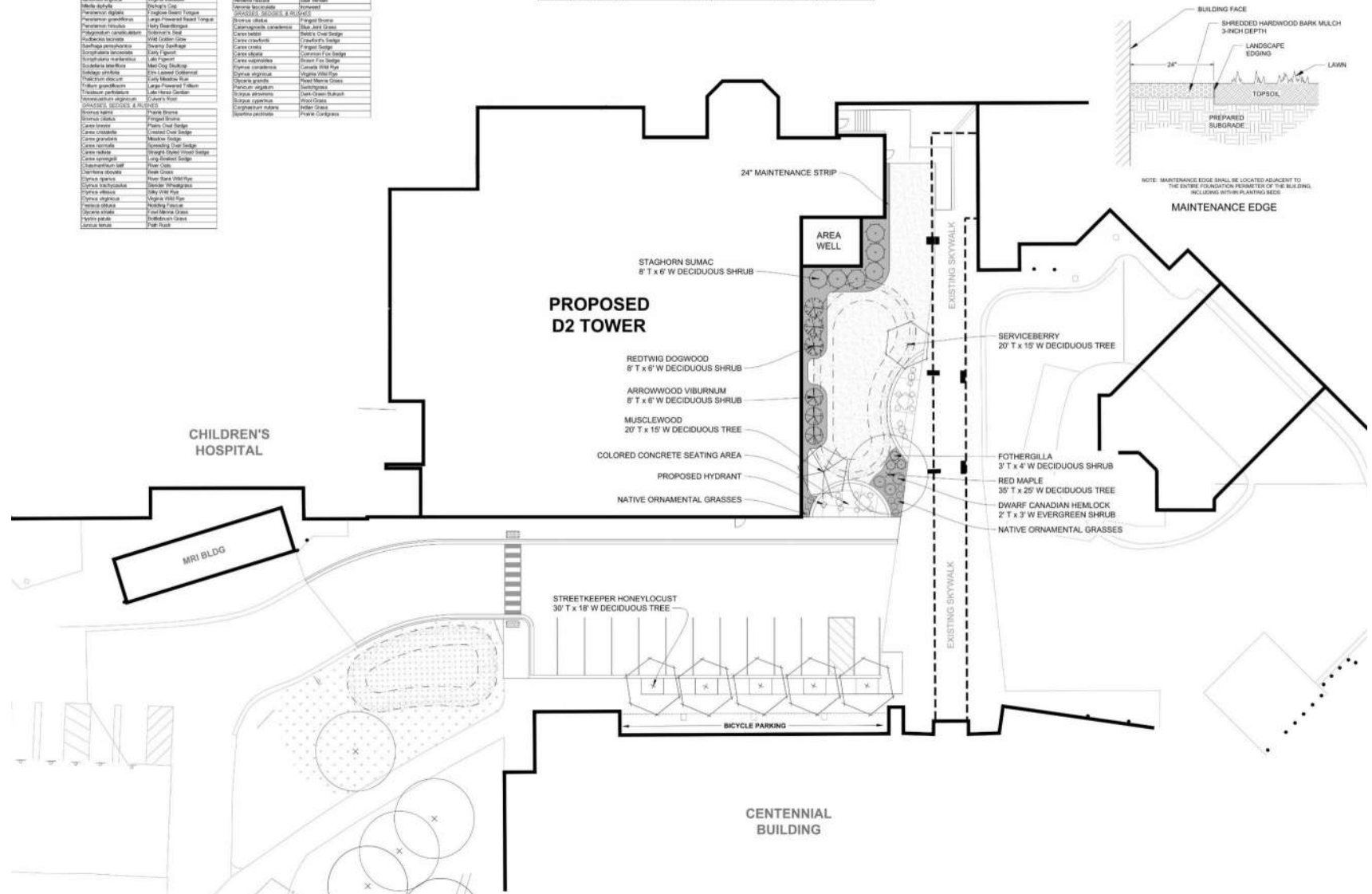
## Landscape Plan

[illegible][illegible]

SCIENTIFIC NAME	COMMON NAME
<i>Asplenium platyneuron</i>	Smooth-Blade Aster
<i>Asplenium platyneuron</i>	Smooth Aster
<i>Asplenium platyneuron</i>	White Wild Indigo
<i>Asplenium platyneuron</i>	Tall Compositae
<i>Asplenium platyneuron</i>	Sporty and Pys Weed
<i>Asplenium platyneuron</i>	Groundcover
<i>Asplenium platyneuron</i>	Early Softflow
<i>Asplenium platyneuron</i>	Wash Herring Seed
<i>Asplenium platyneuron</i>	Wild Bergamot
<i>Asplenium platyneuron</i>	Fragrant Island Tongue
<i>Asplenium platyneuron</i>	Mountain Mint
<i>Asplenium platyneuron</i>	Cuber's Root
<i>Asplenium platyneuron</i>	Golden Alexander

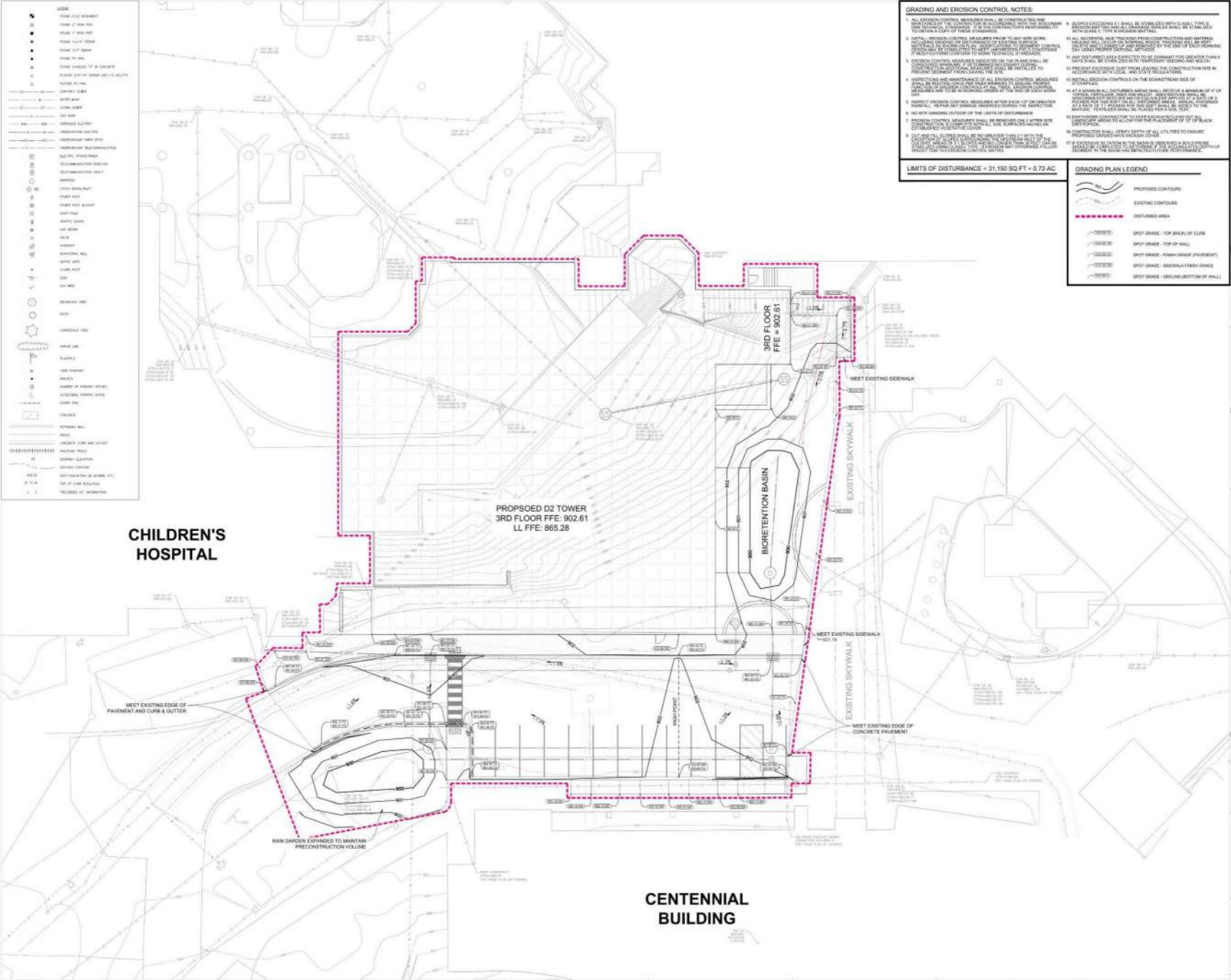
[illegible][illegible]

	WOODLAND PLANT MIX (NATIVE GRASSES & WILDFLOWERS)
	RAIN GARDEN PLANT MIX (NATIVE GRASSES & WILDFLOWERS)
	LAWN
	SHREDDED BARK MULCH

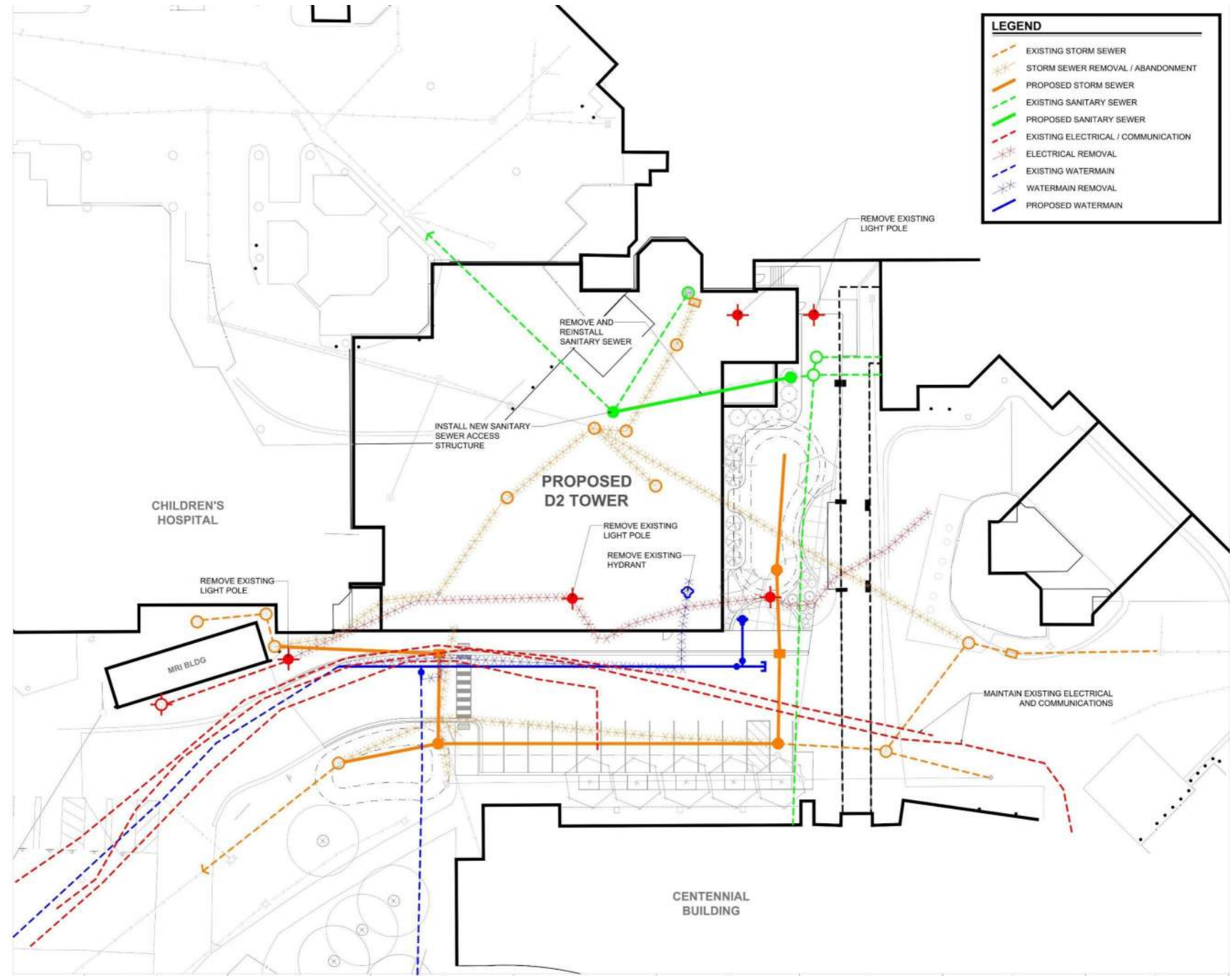


# Site Plan

## Grading



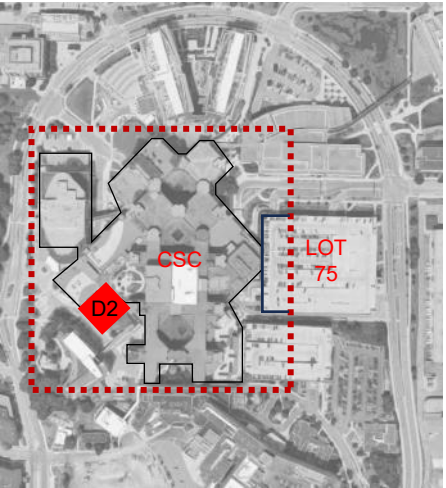
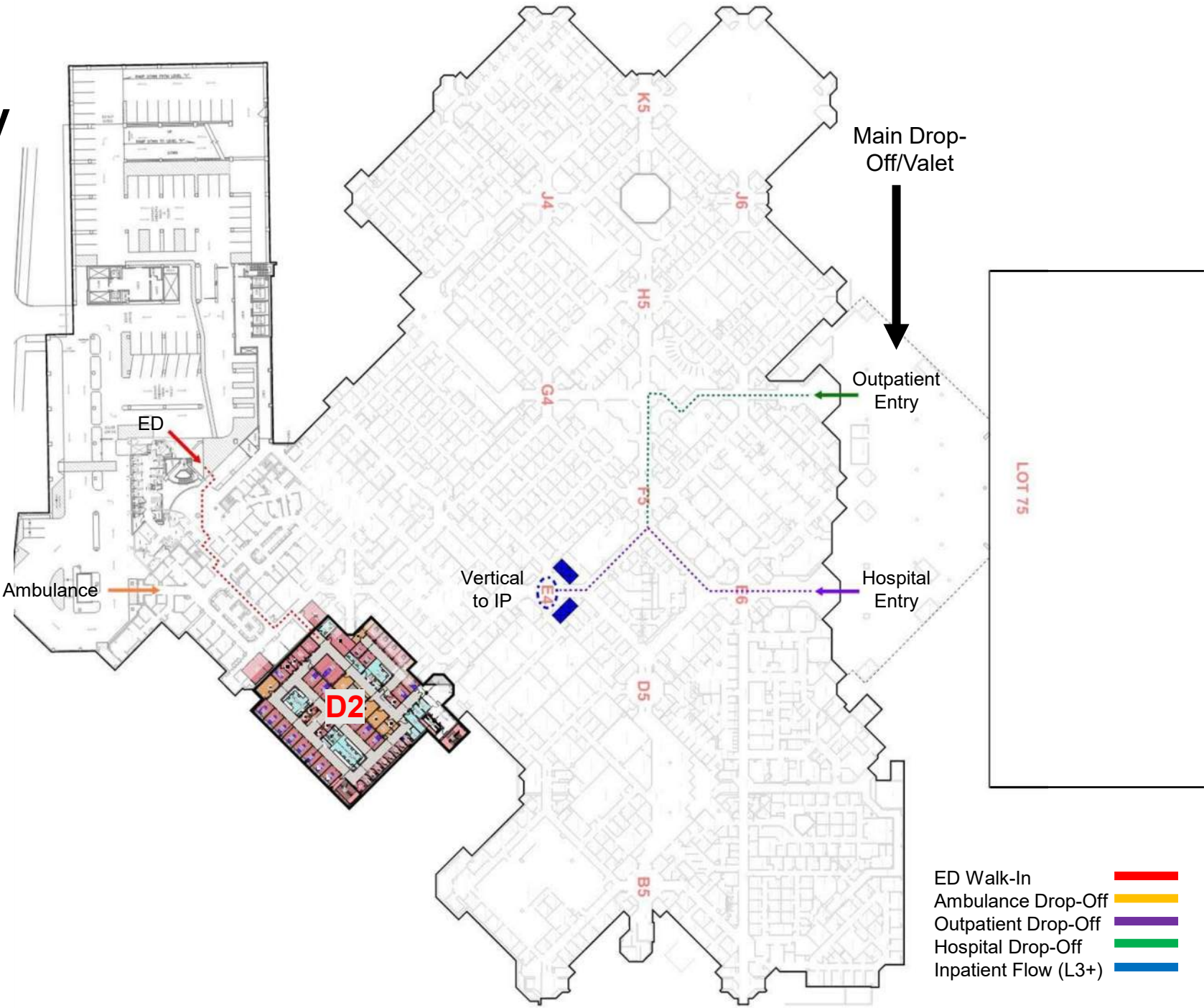
## Utility Plan





# Campus Connectivity

University Hospital Level 02 Floor Plan



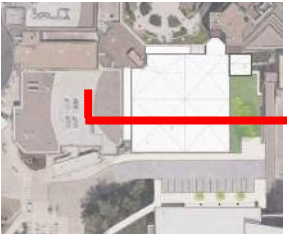
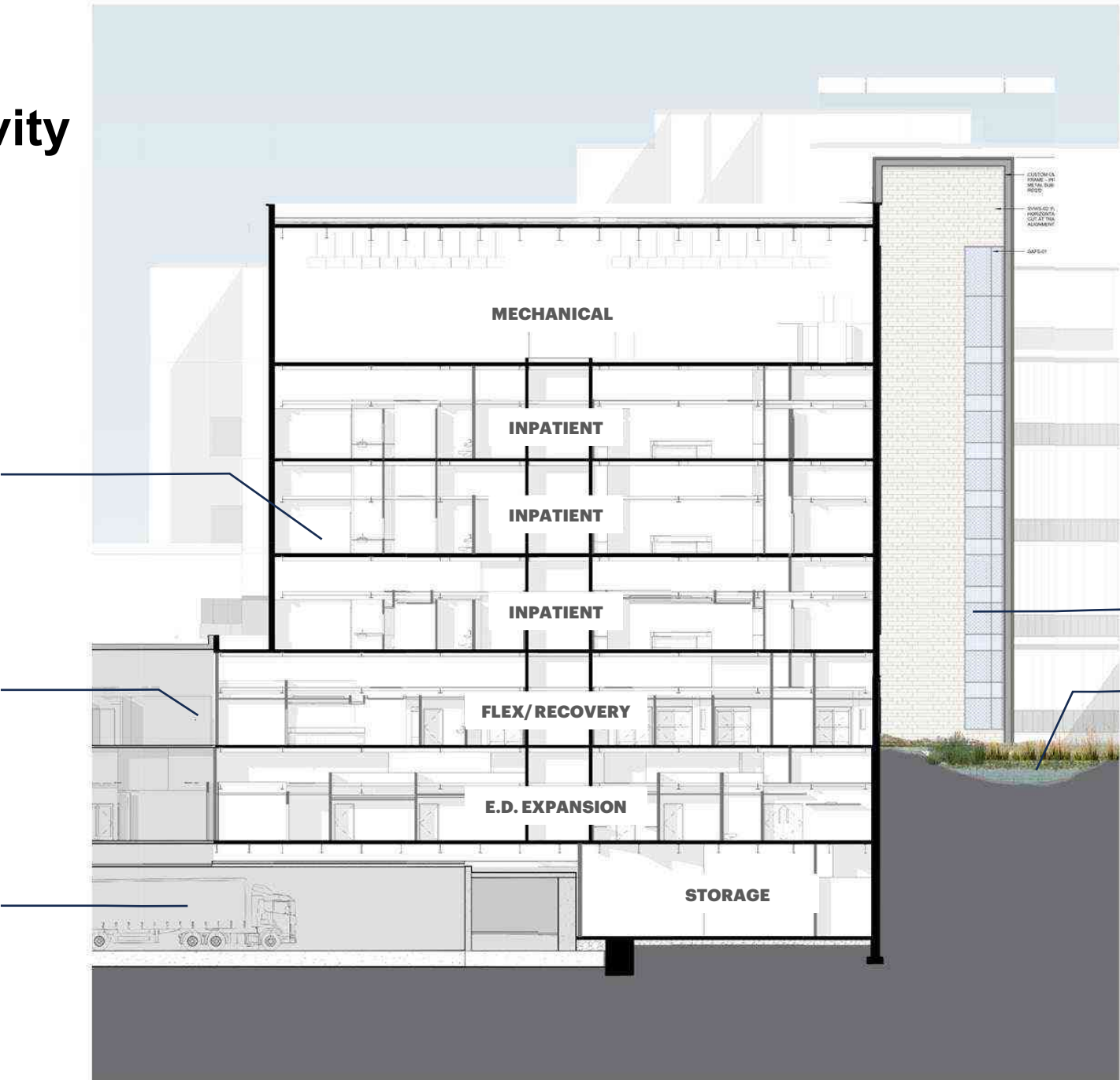
# Campus Connectivity

Building Section

New Construction

Existing Hospital

Existing Loading Dock/  
Tunnel



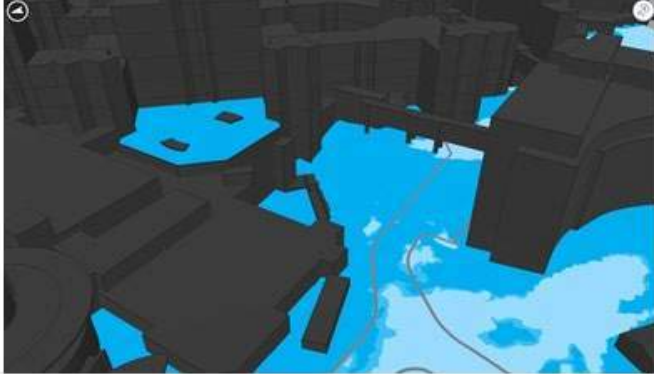
New Stair Core  
(Beyond)

New Bioretention

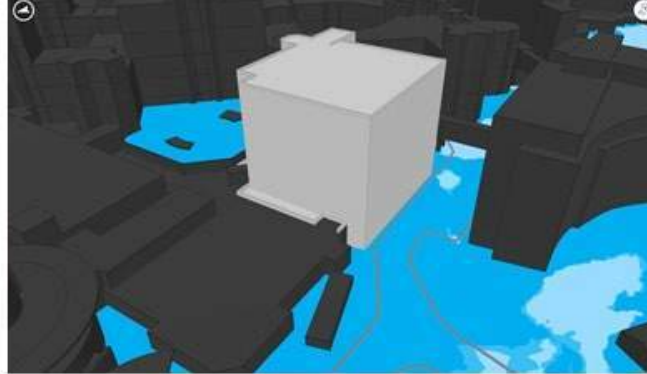
# Environmental Factors

## Wind & Solar Analysis

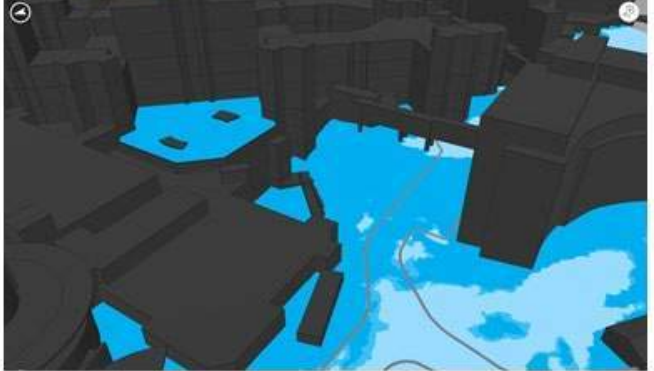
Summer (Existing)



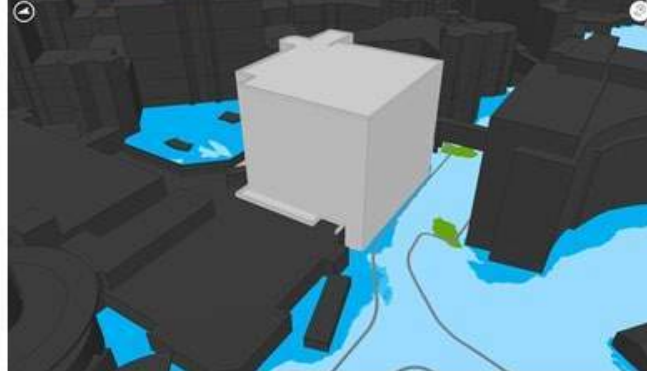
Summer (Proposed)



Winter (Existing)



Winter (Proposed)



Summer 21 June



# Campus Continuity

## Design Guidelines and Palette

### Materials

- M1. Brick, Glass, Metal
- M2. Precast Concrete
- M3. Kasota Limestone
- M4. Light Colored Metal
- M5. Dark Colored Brick
- M6. Glazing Bands



### Architectural Styles

- Modern
- Post World War II
- Environmental Modernism



### Architectural Features

- A1. Large building scales and massings
- A2. Lake views (from & toward)
- A3. Horizontal banding, facade arcs



Campus Design Guidelines -2017\*



Campus Tonal Range



Centennial Building



WIMR



AFCH



HSLC



# Campus Continuity

Architectural Language Progression



Waisman Center  
(1973)



AFCH  
(2007)



Medical Foundation  
(2010)



WIMR  
(2013 – 2023)



Veterinary Medicine Expansion  
(2024)



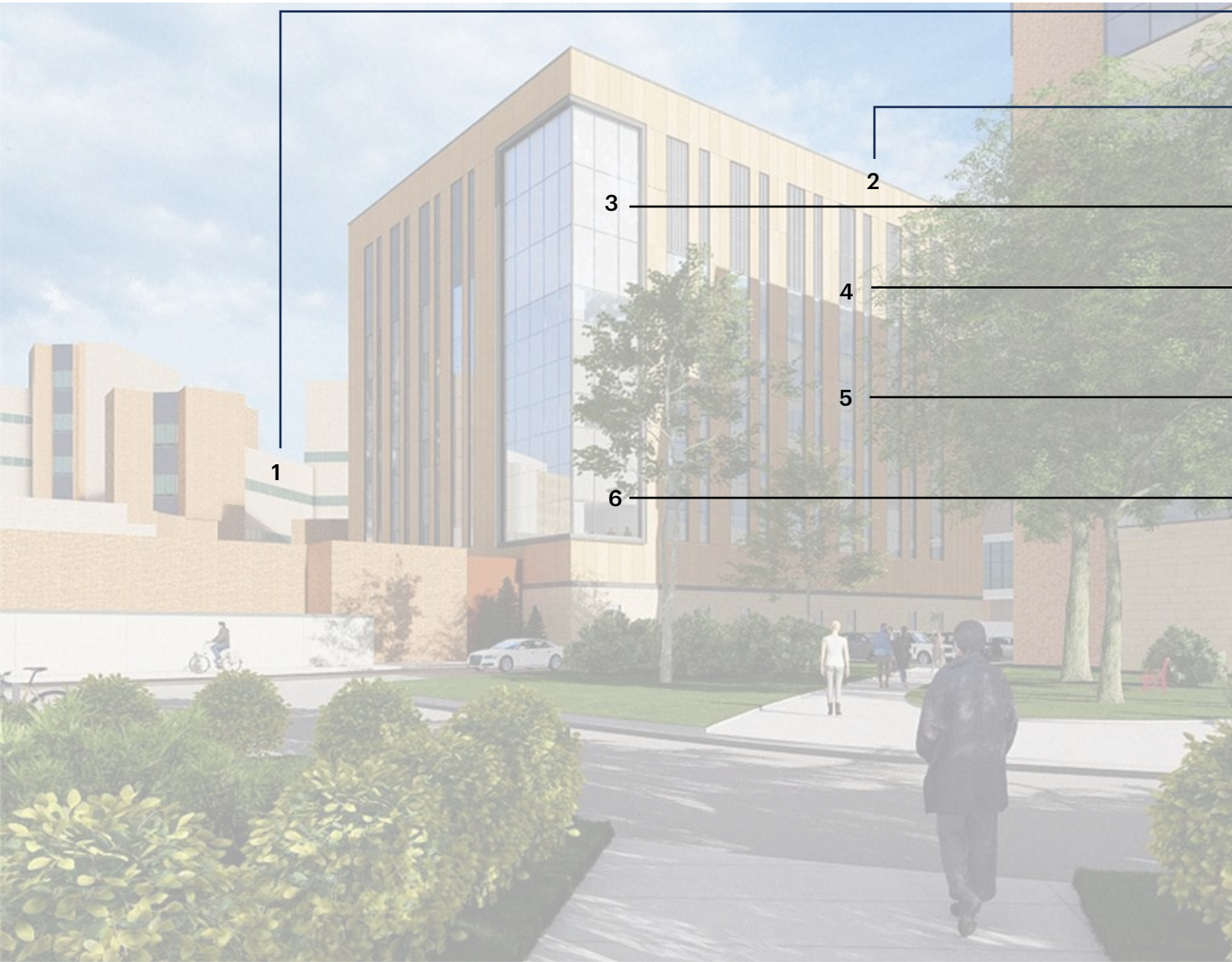
CDIS Building  
(2025)

Health Sciences Neighborhood

Broader UW Campus

# Exterior Design

DRB February 20: Comments We Heard



**1: Relationship to Future State**

Response: Potential reskin design

**2: Horizontal Relationship to Campus**

Response: Thicker horizontal cap

**3: Breaking of Scale**

Response: Two tone repeating shade-box pattern

**4: Horizontal Relationship to Campus**

Response: Horizontal Louver In Lieu of Vertical Louver

**5: Horizontal Relationship to Campus**

Response: Extruded horizontal mullion caps

**6: Breaking of Scale**

Response: More transparent glass, showcasing interior



# Exterior Design

Campus Context - Day



February 20<sup>th</sup> DRB



Revised Option: Layered

# Exterior Design

Campus Context - Night

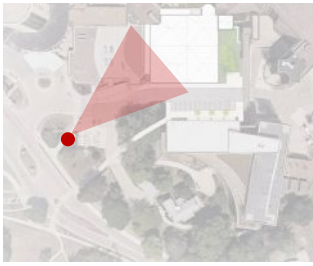


February 20<sup>th</sup> DRB



Revised Option: Layered





# Exterior Design

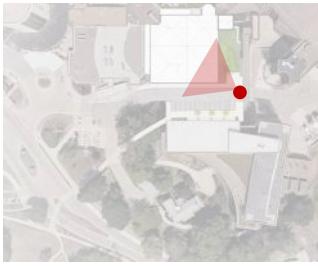
Pedestrian Approach



February 20<sup>th</sup> DRB



Revised Option: Layered



# Exterior Design

Respite Space

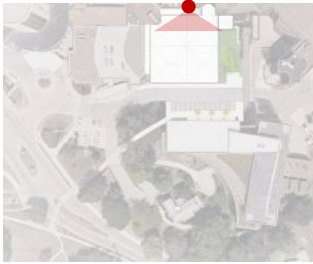


February 20<sup>th</sup> DRB



Revised Option: Layered





# Exterior Design

Courtyard View



February 20<sup>th</sup> DRB

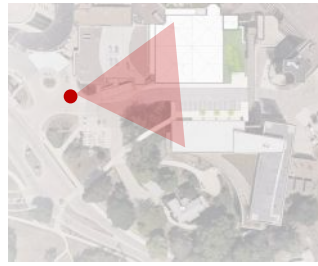


Revised Option: Layered

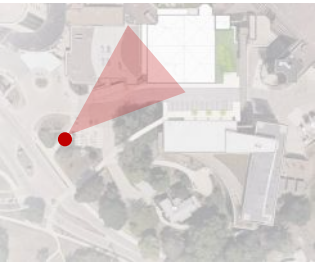


# Exterior Design

Vehicular Approach







# Exterior Design

Campus Evolution



**Revised Option: Layered Without Reskin**



**Revised Option: Layered With Reskin**

# Alternate Design

Option Comparison





# Exterior Design

Campus Context – Day (Option Comparison)



**Revised Option (Alternate): Punched Vertical**



**Revised Option: Layered**





# Exterior Design

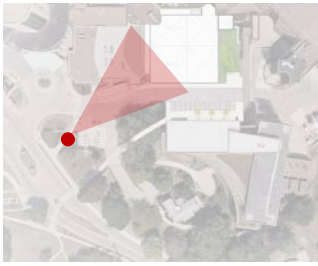
Campus Context – Night (Option Comparison)



**Revised Option (Alternate): Punched Vertical**



**Revised Option: Layered**



# Exterior Design

Pedestrian Approach - (Option Comparison)

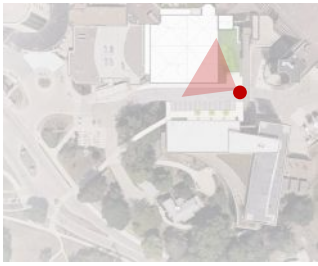


**Revised Option (Alternate): Punched Vertical**



**Revised Option: Layered**





# Exterior Design

Respite Space – (Option Comparison)

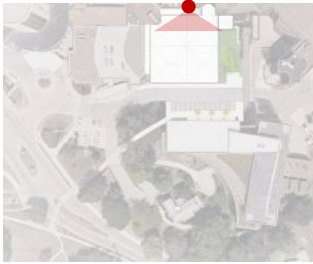


**Revised Option (Alternate): Punched Vertical**



**Revised Option: Layered**





# Exterior Design

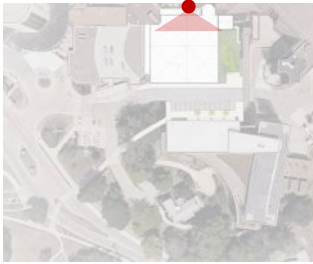
Courtyard View – (Option Comparison)



**Revised Option (Alternate): Punched Vertical**



**Revised Option: Layered**



# Exterior Design

Courtyard View – (Option Comparison)



**Revised Option (Alternate): Punched Vertical**

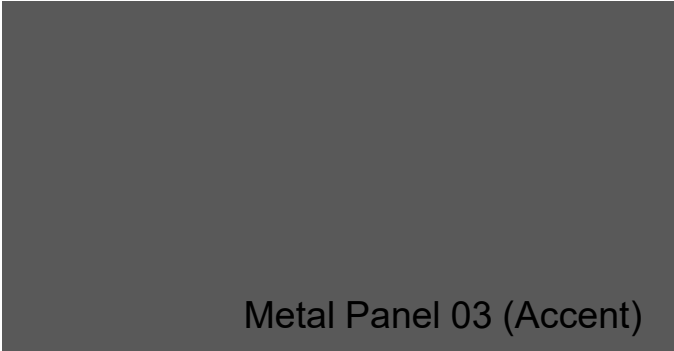
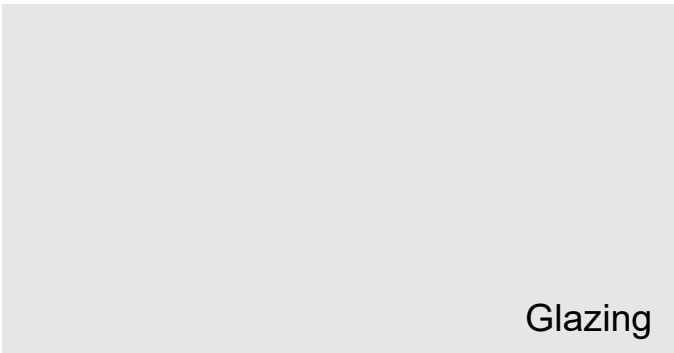
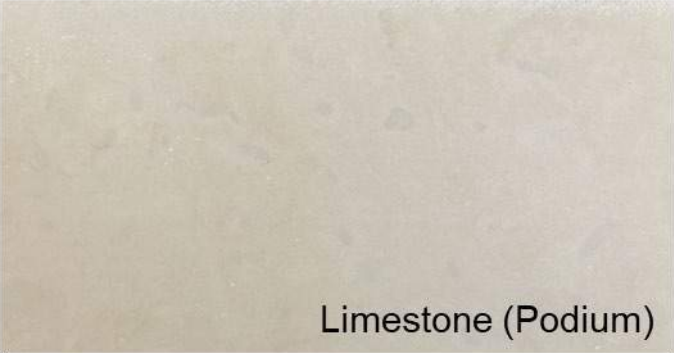


**Revised Option: Layered**



# Exterior Materials

Material Palette





# Floor Plans

L2 (Below Grade)





# Floor Plans

L3 (At Grade)



## L4



## L5



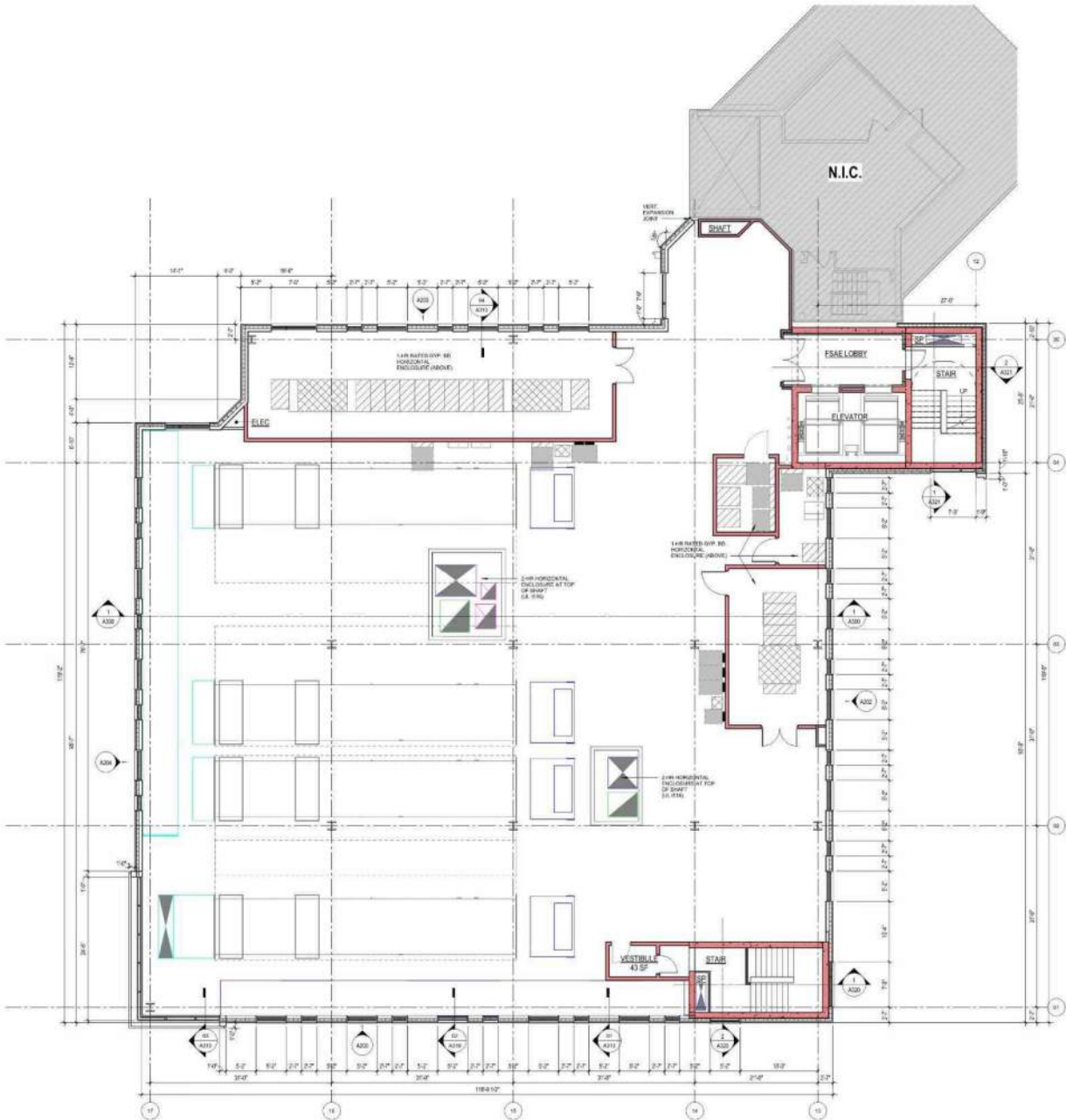


L6



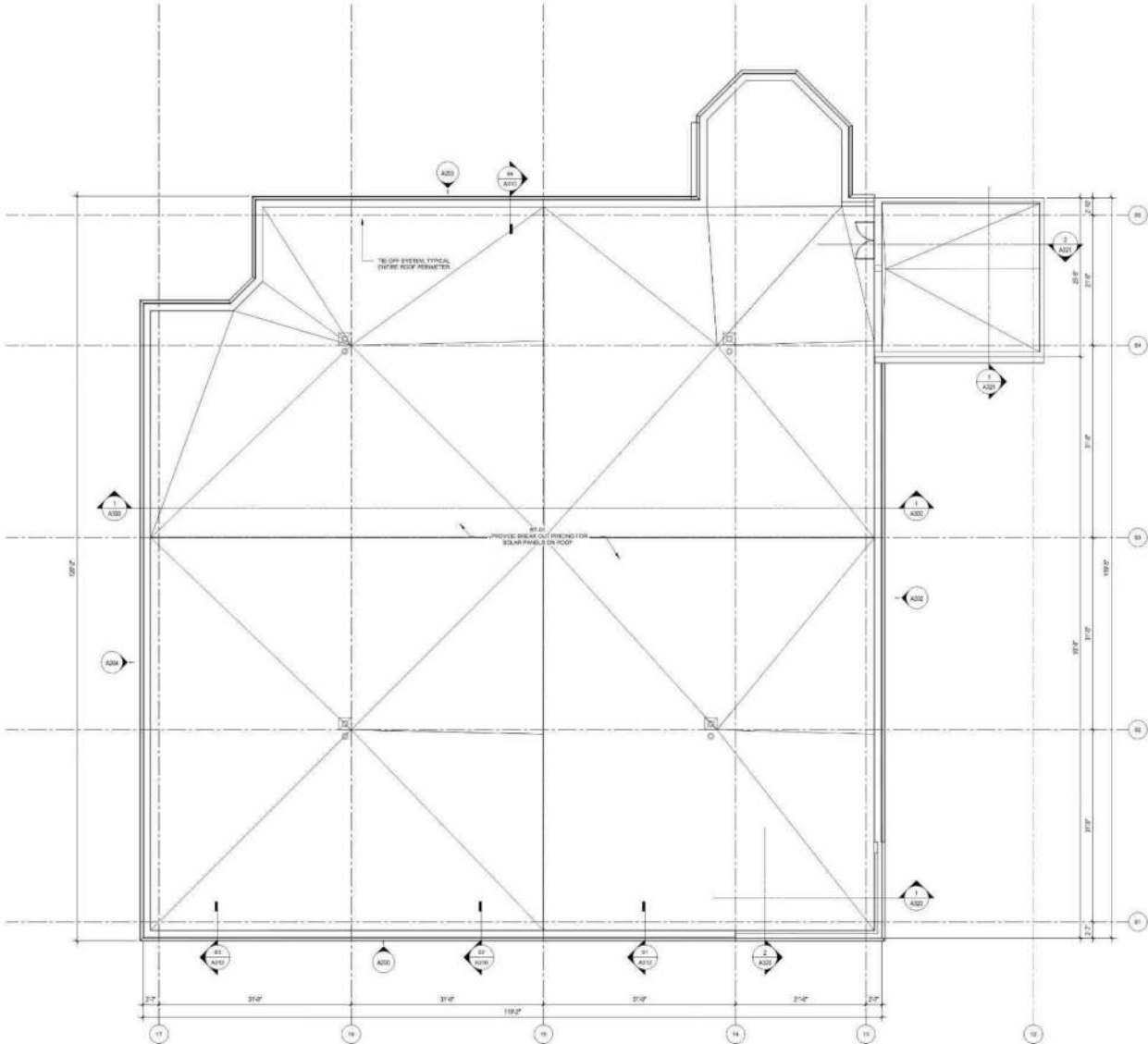
# Floor Plans

L7 (Penthouse)



# Floor Plans

L8 (Roof)





# QA/ Next Steps





# Lakeshore Nature Preserve Master Plan

## ***Design Review Board: March 19, 2024***





# Lakeshore Nature Preserve Master Plan

## Overview

- *The space: 300 acres, 4 miles of shoreline, 12 miles of trails, 6 fire circles*
- *Annual research permits: 75+ representing 25 departments*
- *Volunteers: 530 - 78% students - 2,424 hours of applied learning*
- *Archeological and Ho-Chunk Burial Sites: 4 mound groups and additional sites*
- *Visitors: 149,000 to the tip of Picnic Point alone*
- *Climate impacts: carbon sequestration, stormwater absorption, heat island reduction*
- *Mental health impacts: well-being, attention restoration, recreation*
- *Years of habitation: 12,000, ancestral homelands of the Ho-Chunk*



Canid Research Photo: Bryn Sriver



Archeology Lab Photo: Mark Kenoyer

**Mission: The Lakeshore Nature Preserve shelters natural environments and cultural resources through active learning, research, and outreach in a place of respite and well-being.**

**Vision: To foster biodiversity on campus and cultivate lifelong environmental engagement.**



# Lakeshore Nature Preserve Master Plan

## *Plan Goals*

- Document existing conditions of facilities and use with a focus on safety
- Identify clear vegetation community management targets to increase biodiversity
- Recommend site infrastructure and facilities that support teaching, research, and outreach
- Identify additional planning and studies needed

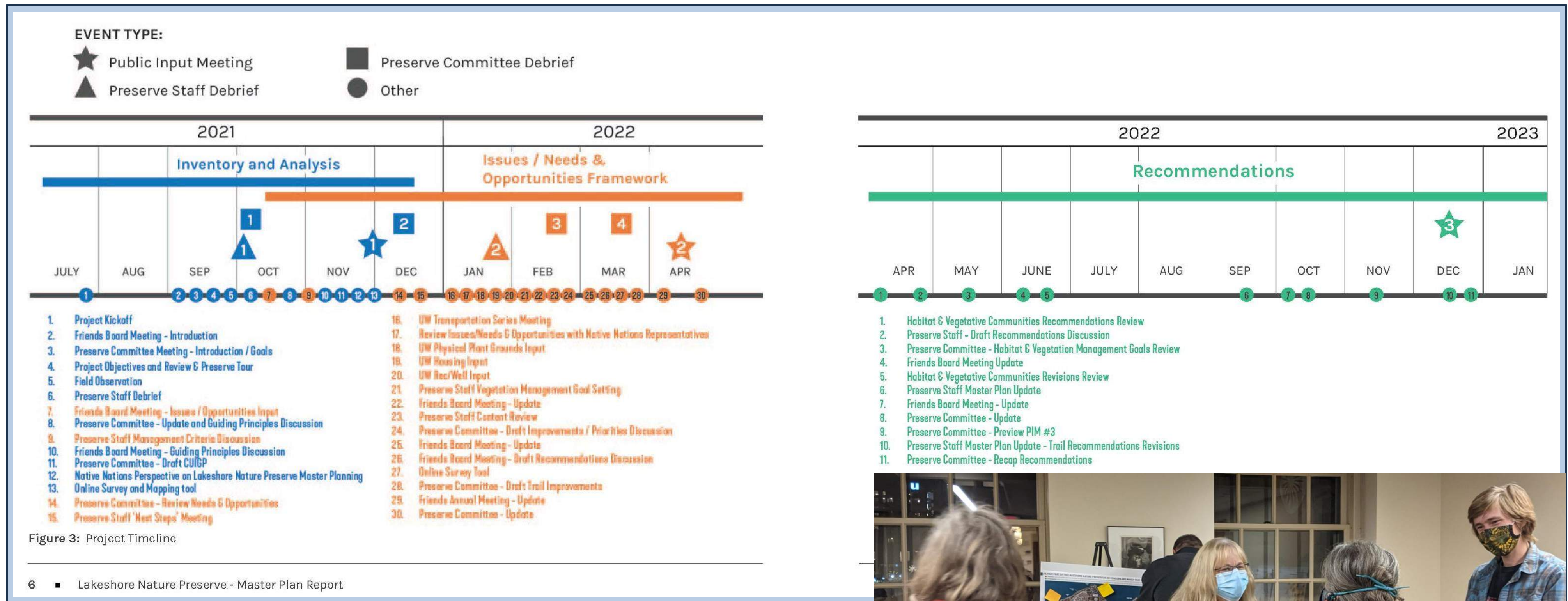




# Lakeshore Nature Preserve Master Plan

## Planning Process

**Planning Process:** | **Inventory & Analysis** | **Issues & Opportunities** | **Recommendations** |



### CONSULTANT TEAM

### SMITHGROUP

44 E Mifflin St. Suite #500  
Madison, WI 53703  
(608) 251-1177



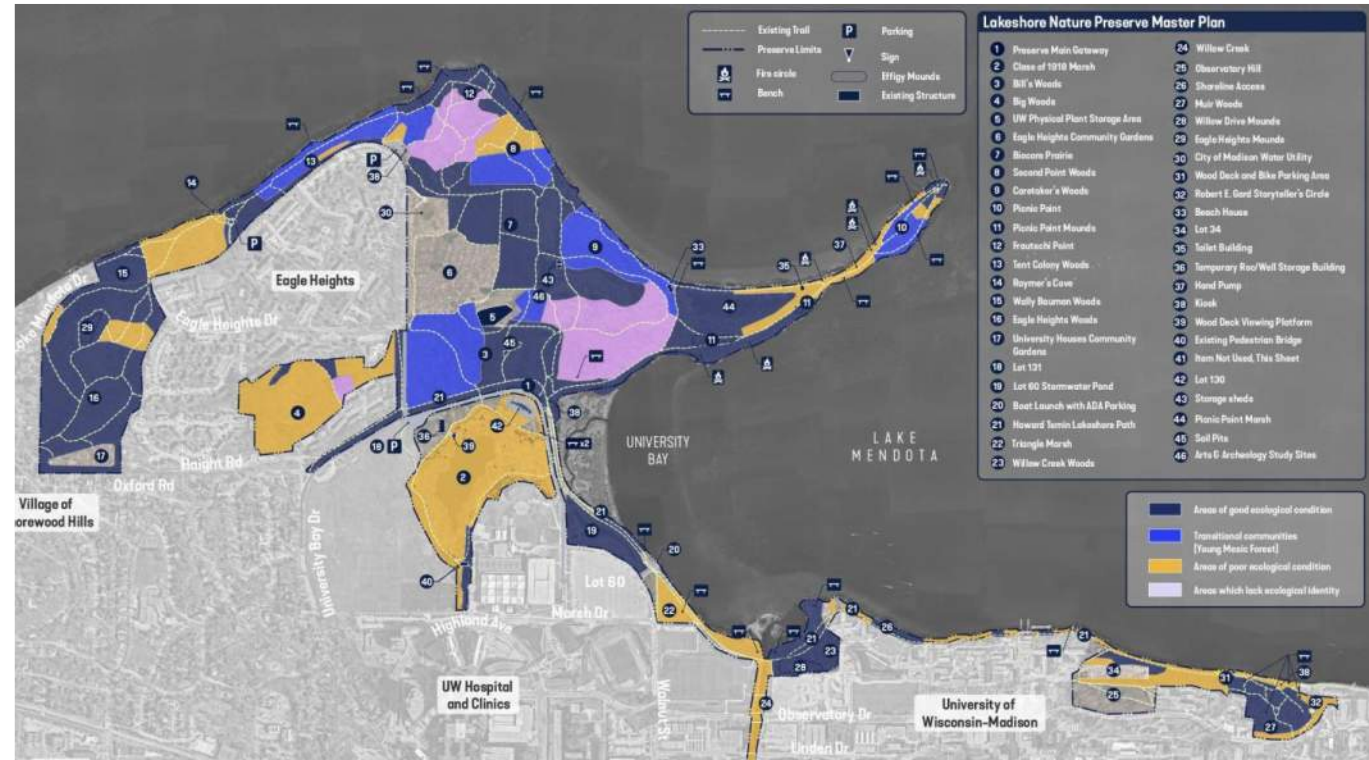


*Outdoor Learning is our Point*

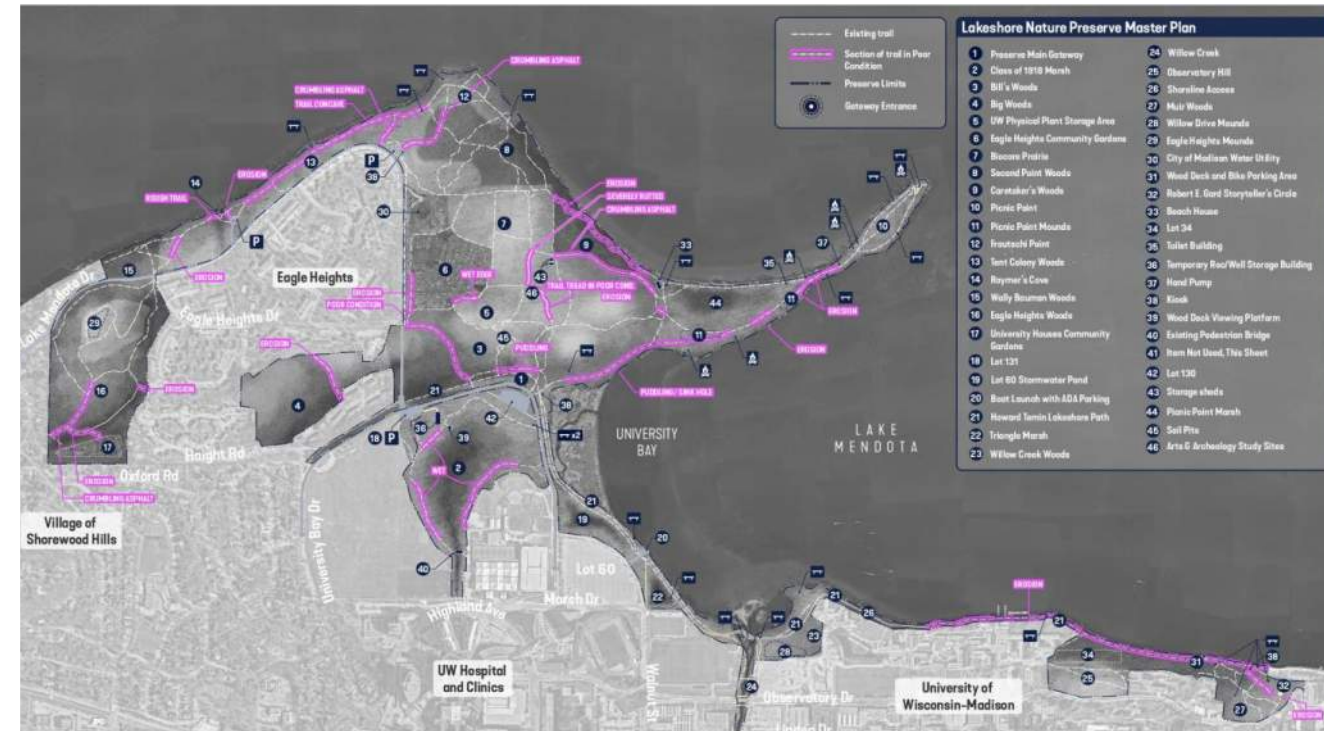
# Lakeshore Nature Preserve Master Plan

Planning Process: **Inventory & Analysis**

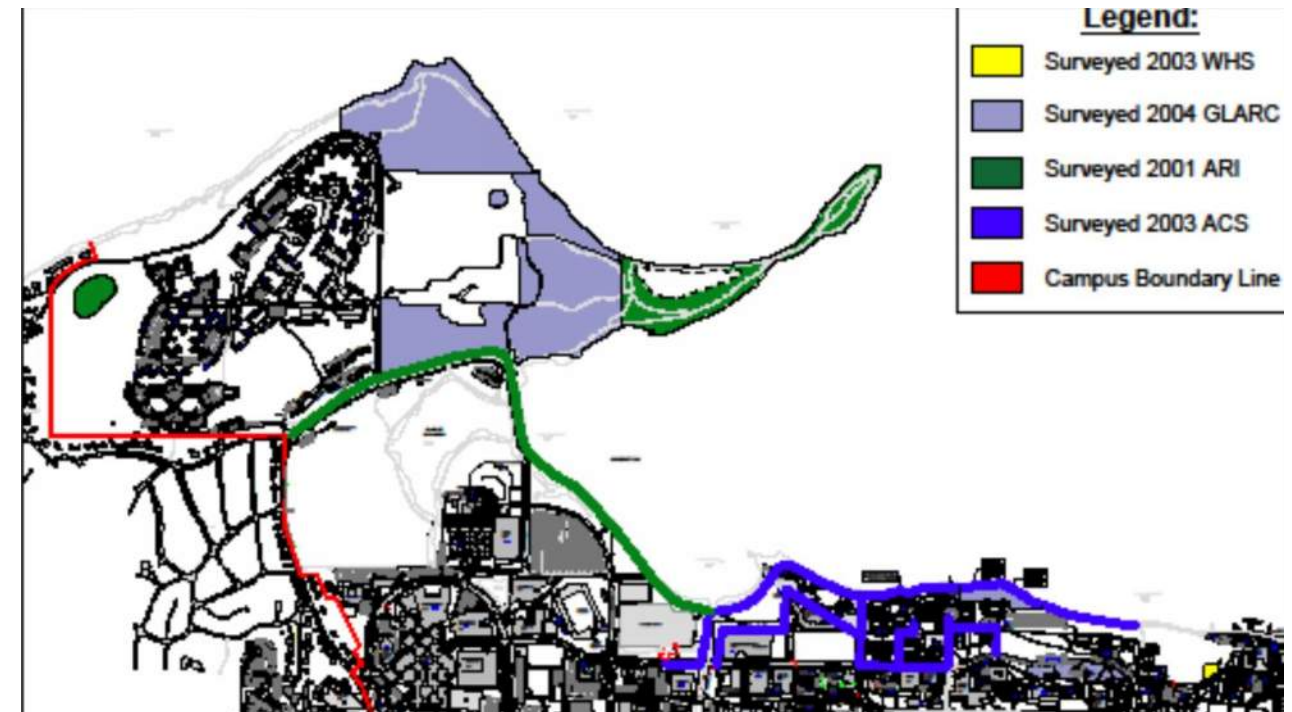
## Vegetation types and health



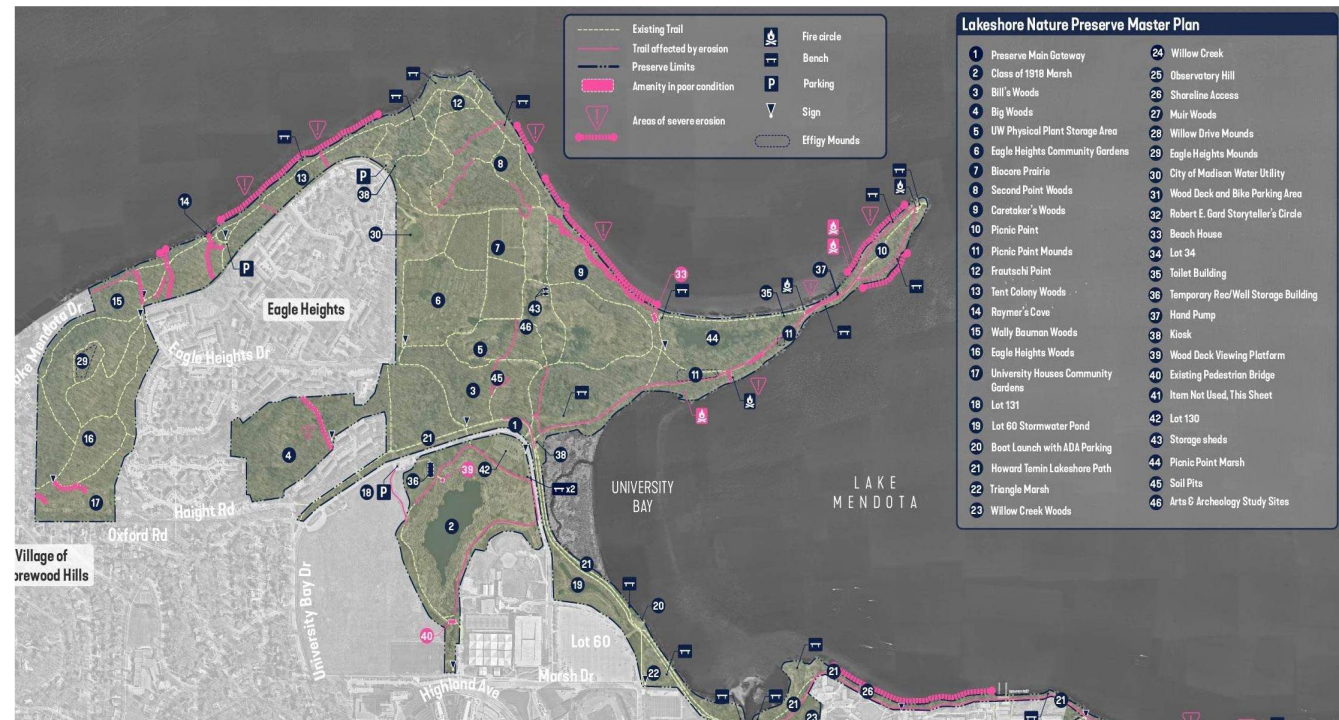
## Trails



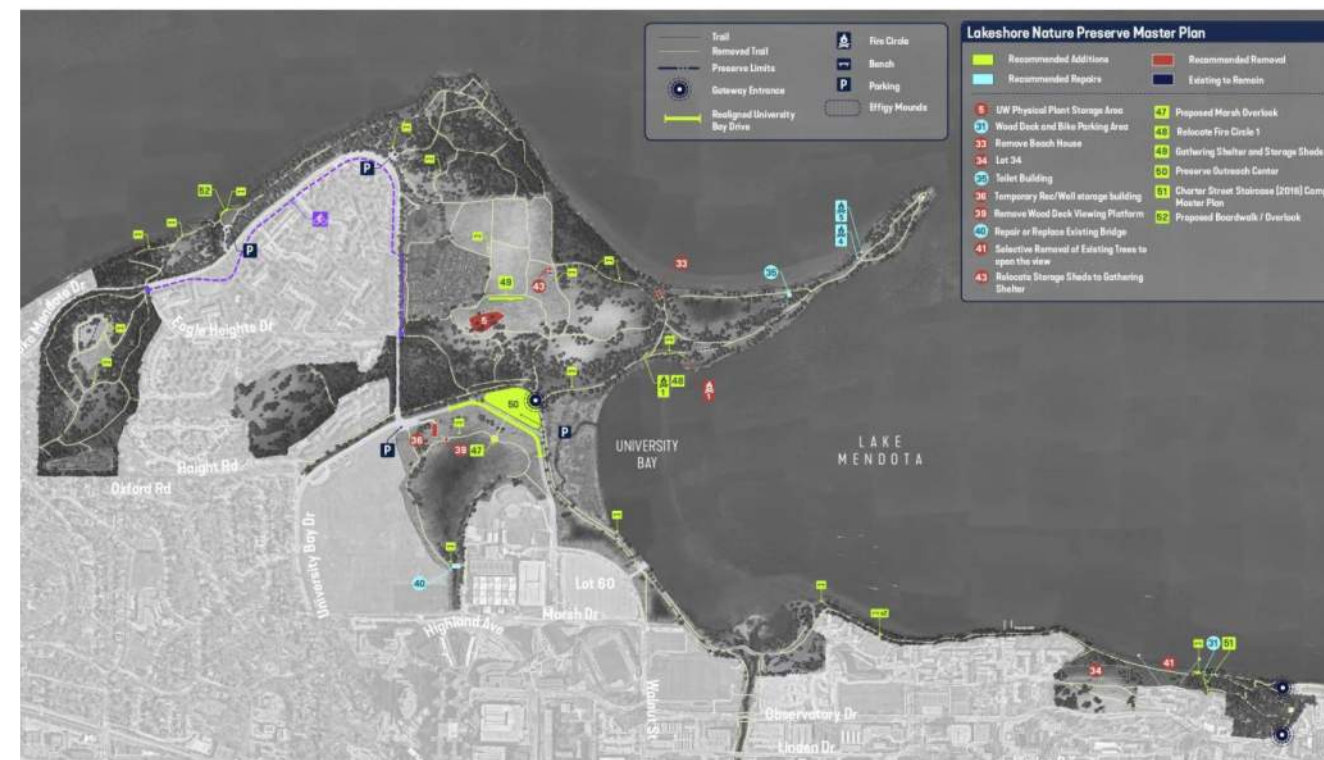
## Cultural Resources



## Erosion



## Facilities



## Historic Resources





# Lakeshore Nature Preserve Master Plan

## *Major Recommendations*

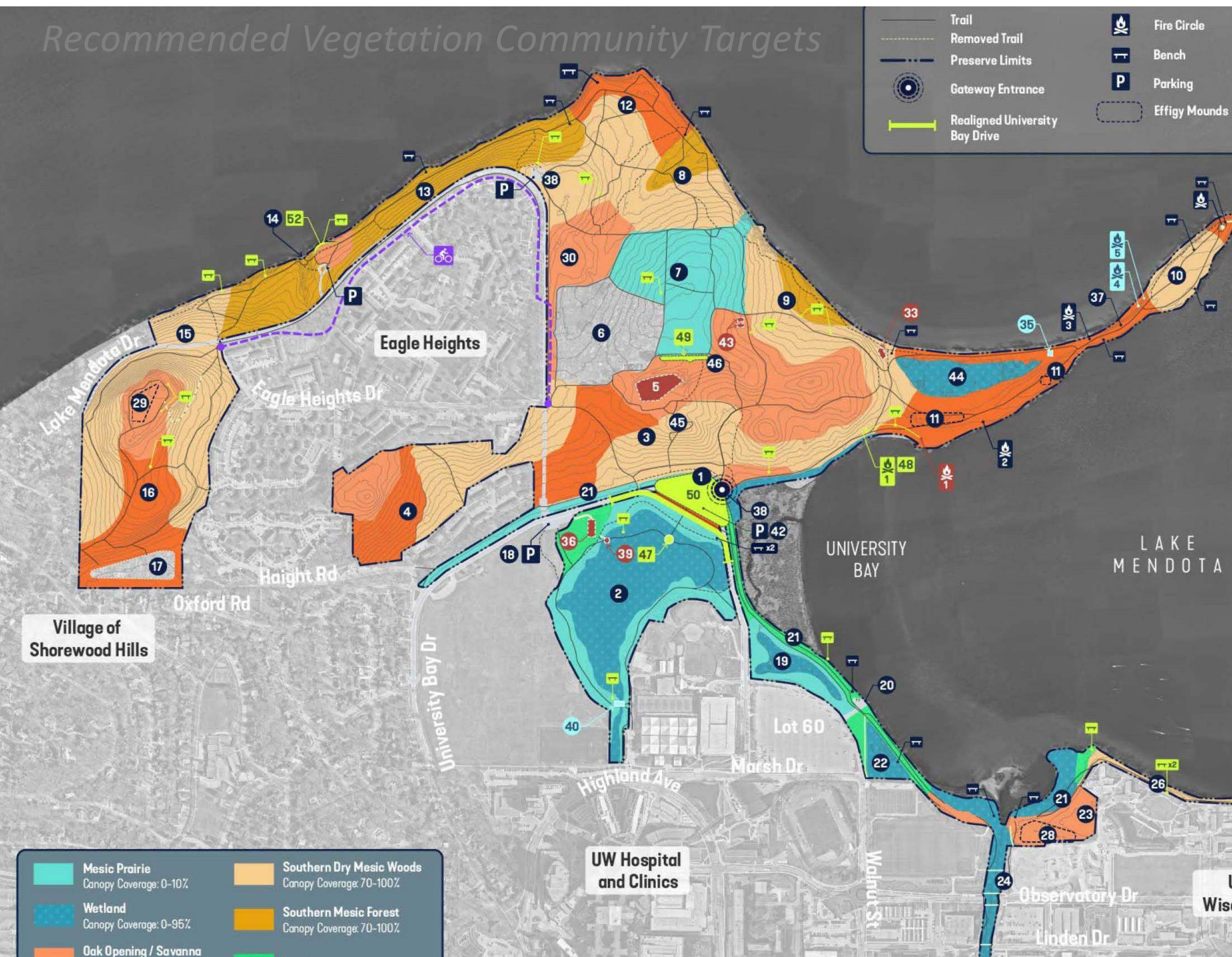
- Vegetation Community Types & further study to create Vegetation Management/Restoration Plans
- Preserve Outreach Center
- No longer use wall/gate entrance for Physical Plant storage area & relocation of this facility
- Understand shoreline stability (potential safety issue) – hire for a geo-tech study
- Repair trails and address erosion to ensure greater accessibility
- Provide Interpretation/signage including collaborative Indigenous sharing of language and culture
- Gathering Shelter near Biocore Prairie and Community Gardens



# Lakeshore Nature Preserve Master Plan

## *Major Recommendations - Vegetation Management / Restoration*

### *Recommended Vegetation Community Targets*



### Identify Vegetation Community Type Targets and create Vegetation Management/Restoration Plans

- Improve native plant bio-diversity
- Help mitigate climate change
- Office of Sustainability Post Doc positions
  - biodiversity
  - carbon sequestration assessment
- Professional plan to follow for efficiency and responsible guardianship of stewardship gift funds
- based on WDNR plant communities
- Intent of adaptability over time considering climate



# Lakeshore Nature Preserve Master Plan

## *Major Recommendations - Vegetation Management / Restoration*

### *Recommended Planning Districts*





# Lakeshore Nature Preserve Master Plan

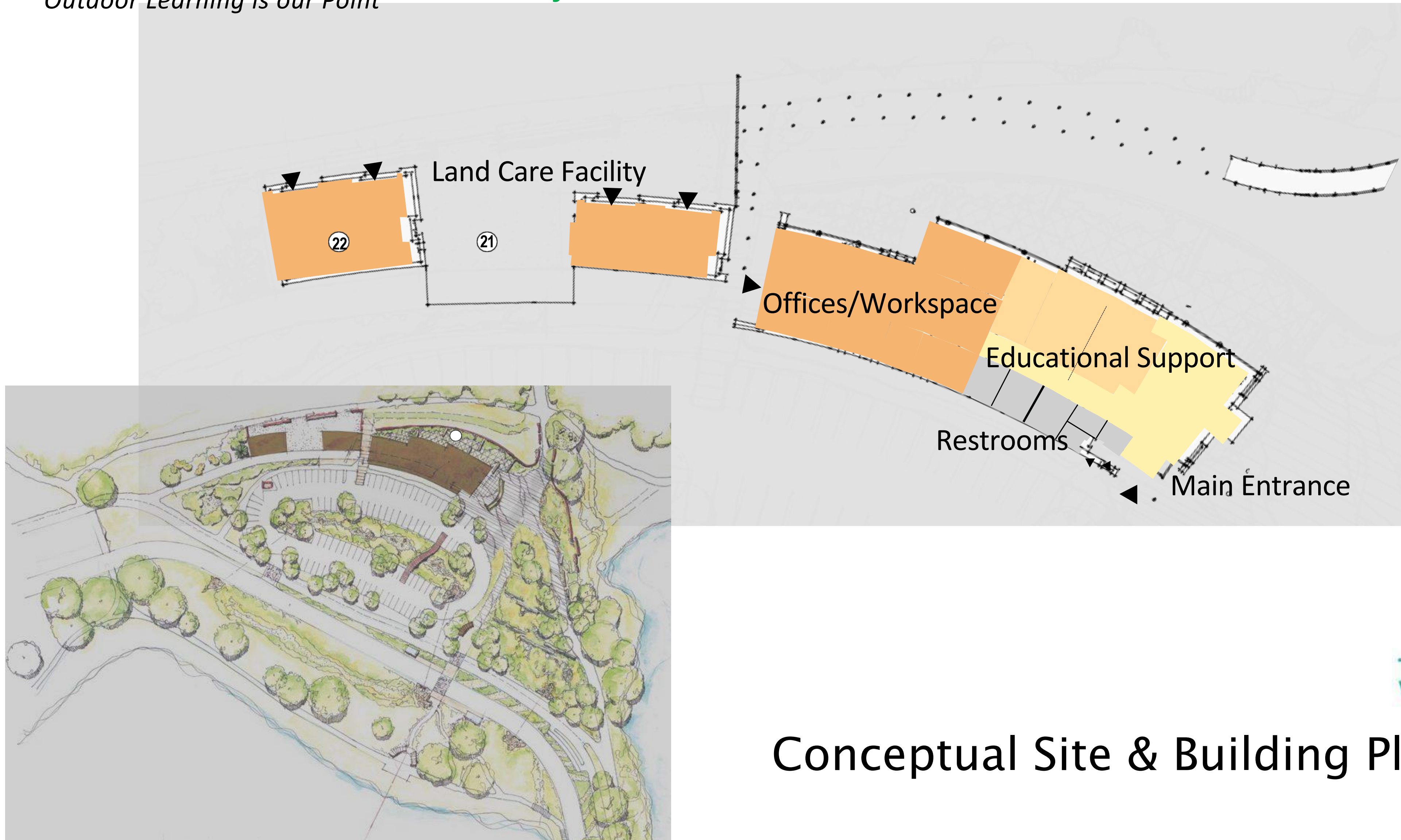
## *Major Recommendations - Outreach Center*





# Lakeshore Nature Preserve Master Plan

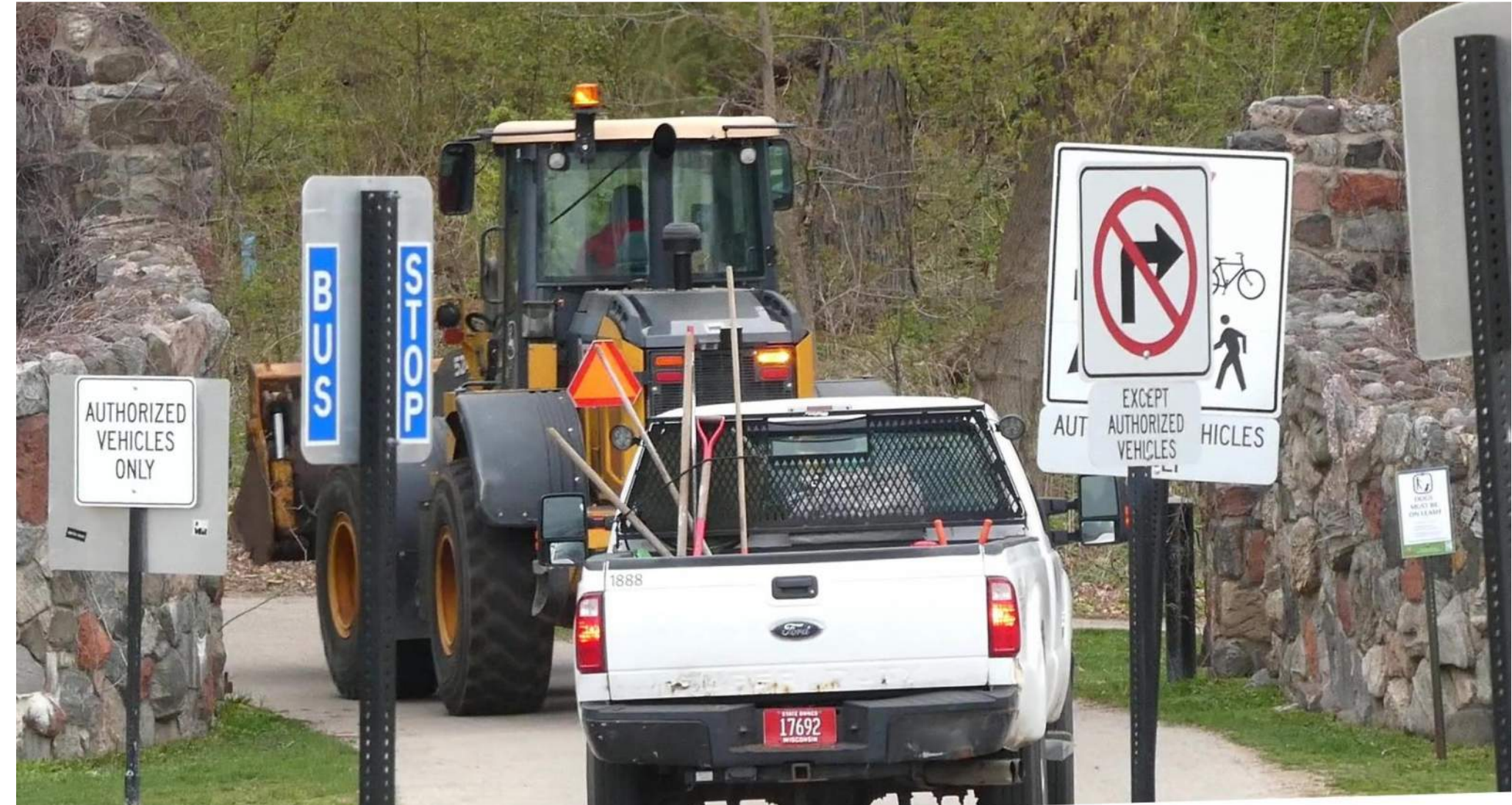
## *Major Recommendations - Outreach Center*





# Lakeshore Nature Preserve Master Plan

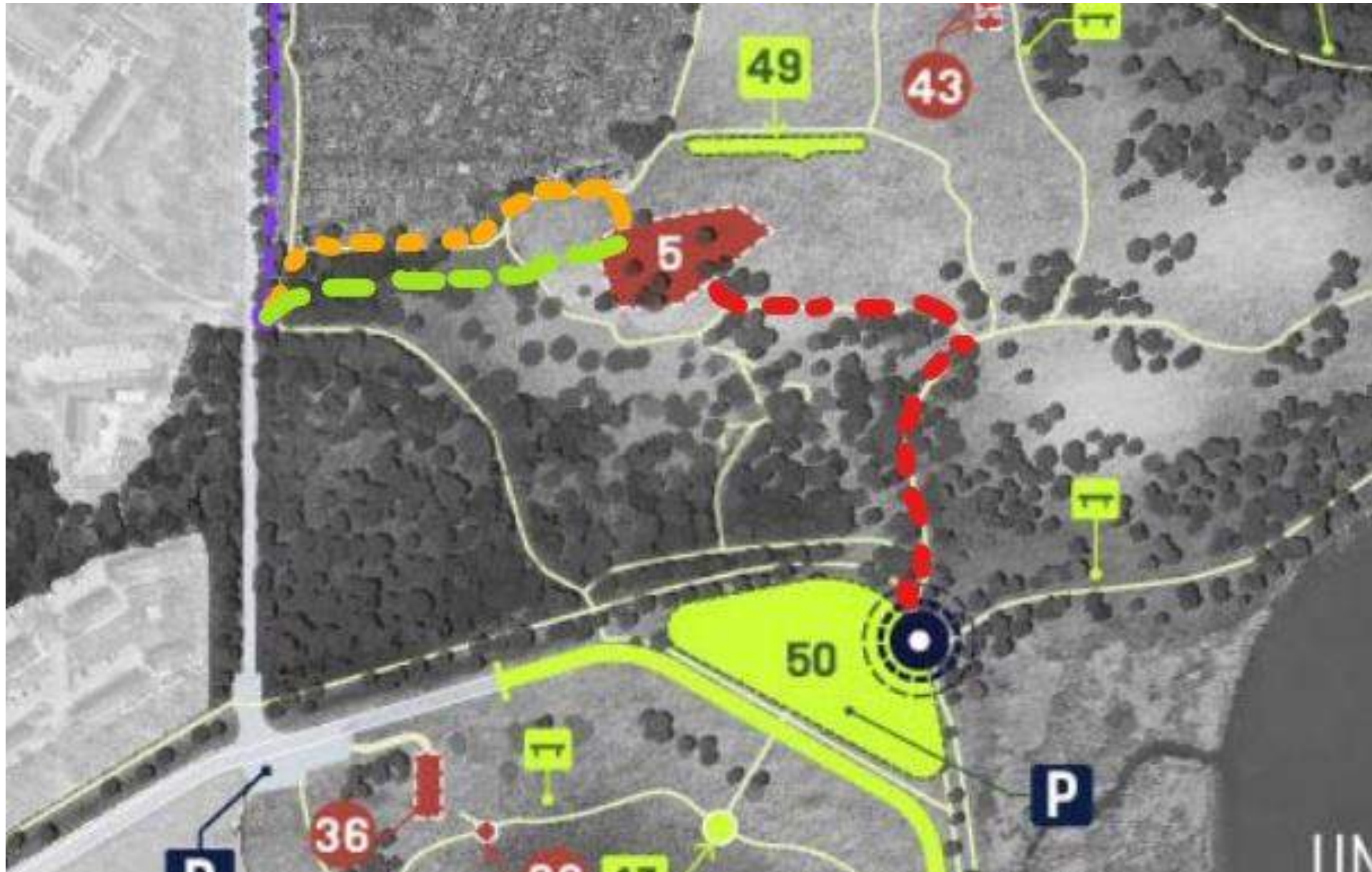
## *Major Recommendations – Relocate Physical Plant Storage Area*





# Lakeshore Nature Preserve Master Plan

## *Major Recommendations – Relocate Physical Plant Storage Area*



Temporarily access Physical Plant storage area from west, until it can be relocated to the Barley & Malt site on Walnut Street as shown in the Willow Creek Master Plan.



# Lakeshore Nature Preserve Master Plan

## Major Recommendations - Shoreline Stability Study



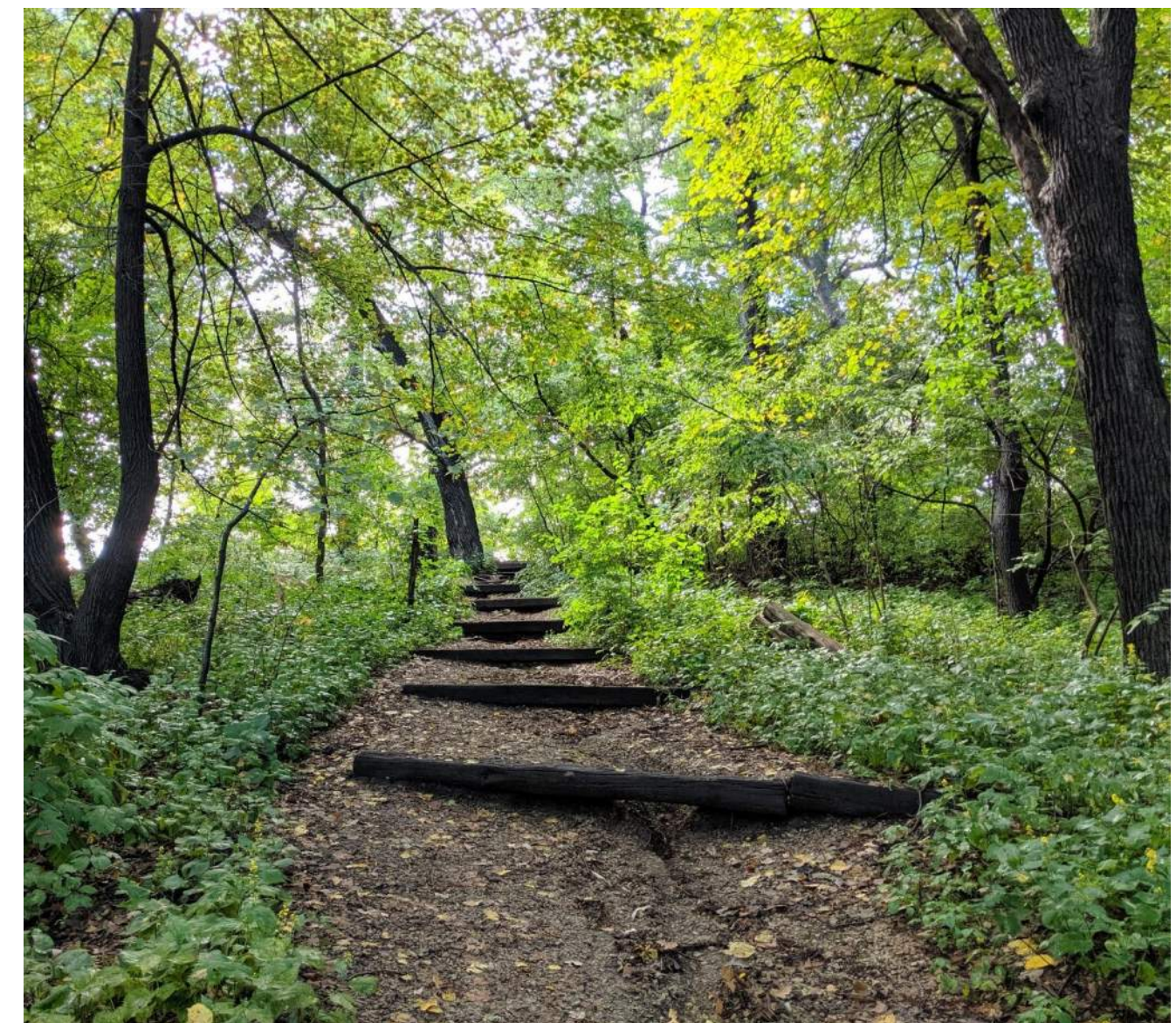


# Lakeshore Nature Preserve Master Plan

## *Major Recommendations - Trail and Erosion Repair Plan*

**Trail changes** to improve safety, environmental impacts, and user experiences

- Provide a variety of trail experiences in the Preserve:
  - Quiet and individual experience – respite surrounded by nature
  - Lesser used trails yet wide enough for specialized accessibility aids and small management vehicles
  - Highly used pedestrian – path to end of Picnic Point
  - Highly used multi-modal – Howard Temin Lakeshore Path
- Current Condition of trails:
  - Surface materials vary - native soil, gravel, paved
  - Erosion is a continual issue in many locations
  - Some need repair, some need realignment, others are redundant and could be removed
- New multi-modal trail is proposed along Lake Mendota Drive
- The Master Plan suggests a deeper study of the trail surfaces, drainage and erosion solutions





*Outdoor Learning is our Point*

# Lakeshore Nature Preserve Master Plan

## Major Recommendations - Trail and Erosion Repair Plan

### Recommended Trail Improvements





# Lakeshore Nature Preserve Master Plan

## *Major Recommendations – Interpretation and Sign Plan*





*Outdoor Learning is our Point*

# Lakeshore Nature Preserve Master Plan

## *Major Recommendations – Interpretation and Sign Plan*







# Lakeshore Nature Preserve Master Plan

## Major Recommendations – Gathering Shelter



## Shelter possibilities from Whole Tree





# Lakeshore Nature Preserve Master Plan

## *Recommendations – Additional Improvements*

- Repair of existing facilities:
  - Bridge at south end of 1918 Marsh
  - Fire Circles 1 (relocate), 4 & 5 (rebuild)
  - Update pit toilet building
- Removal of existing facilities:
  - Beach House on Picnic Point
  - Rec Well temporary building
- New facilities to service the multitude of visitors:
  - Raymers Cove Overlook & slope protection
  - Class of 1918 Marsh path and overlook
  - Willow Creek bridge, access points and path
  - Improved access at Charter Street
  - Benches throughout the Preserve
- Develop design standards for benches and furnishings





# Lakeshore Nature Preserve Master Plan

## *Recommendations – Different from 2015 Campus Master Plan*

- Lot 34 constructed wetland
  - prior burial mounds
  - suggest not building on this site
- Charter Street Stairs
  - study a switchback path and stormwater management as an alternative

### Other Studies occurring in the Preserve:

- Howard Temin Lakeshore Path – Surface, light, and stormwater management on areas uphill from path (this should be added to a/the study)





# ENGINEERING ACADEMIC / RESEARCH BUILDING DRB PRESENTATION

UNIVERSITY OF WISCONSIN-MADISON

PROJECT NO. 21L3J

03.19.2024





# PROJECT OVERVIEW



# PROJECT OVERVIEW

THE COLLEGE OF ENGINEERING HAS EXPERIENCED AN EXTRAORDINARY 61% GROWTH IN ENROLLMENT PRESSURE OVER THE LAST DECADE BASED BOTH ON STUDENT DEMAND FOR ENGINEERING DEGREES, AND INDUSTRY DEMAND FOR MORE ENGINEERING WORKFORCE. UNABLE TO ACCOMMODATE THIS DEMAND DUE TO LACK OF SPACE, UW HAS FALLEN BEHIND PEER INSTITUTIONS IN BOTH DEGREES GRANTED AND RESEARCH ENTERPRISE OPPORTUNITIES.

THE NEW ENGINEERING BUILDING WILL BE A 390,000 GSF ACADEMIC AND RESEARCH FACILITY LOCATED AT THE INTERSECTION OF CAMPUS DRIVE AND RANDALL AVENUE BUILT SPECIFICALLY TO MEET THESE DEMANDS.

THE BUILDING WILL ALSO ALLOW UW TO CONTINUE MEETING IT'S ACADEMIC AND RESEARCH NEEDS INTO THE FUTURE BY UTILIZING A "RESILIENT CHASSIS" DESIGN THAT ALLOWS BOTH TEACHING AND RESEARCH LAB SPACES TO BE QUICKLY AND INEXPENSIVELY ADAPTED TO VARIED USES OVER TIME, A NECESSITY FOR A COLLEGE THAT IS BOTH WIDE AND DEEP IN PROGRAMMATIC INVENTORY AND A LEADER IN AN INNOVATIVE AND RAPIDLY EVOLVING FIELDS.

THE PROJECT WILL ALSO DEMOLISH THE 68,000 GSF COMPUTER AIDED ENGINEERING FACILITY AT 1410 ENGINEERING DRIVE



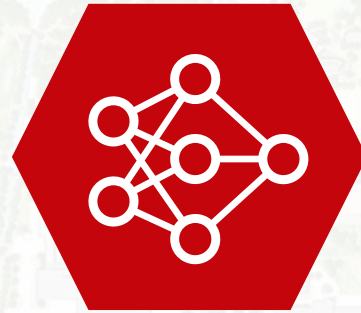
# PROJECT VISION AND GOALS

## ENGINEERING THE FUTURE: THE SPACE TO GROW

Enable College Enrollment  
and Faculty **Growth**



**Multidisciplinary**



Architecturally **Striking**  
and **Meaningful**



- Modern, flexible, student classroom and laboratory facilities that allow us to provide safe, team-based hands-on engineering education
- Flexible, reconfigurable, safe research spaces that foster collaboration and support our ability to pursue current and emerging research areas
- Nearly all engineering departments will be part of the educational and research aspects of the building
- Maximize use of shared facilities: Enable the college to use resources efficiently, promote collaboration, share spaces and equipment across groups
- Building represents the architectural future of the engineering campus
- Given its prominent location, the building will be the gateway to the College of Engineering
- High functioning to meet research and instructional needs
- Contextual to the campus neighborhood

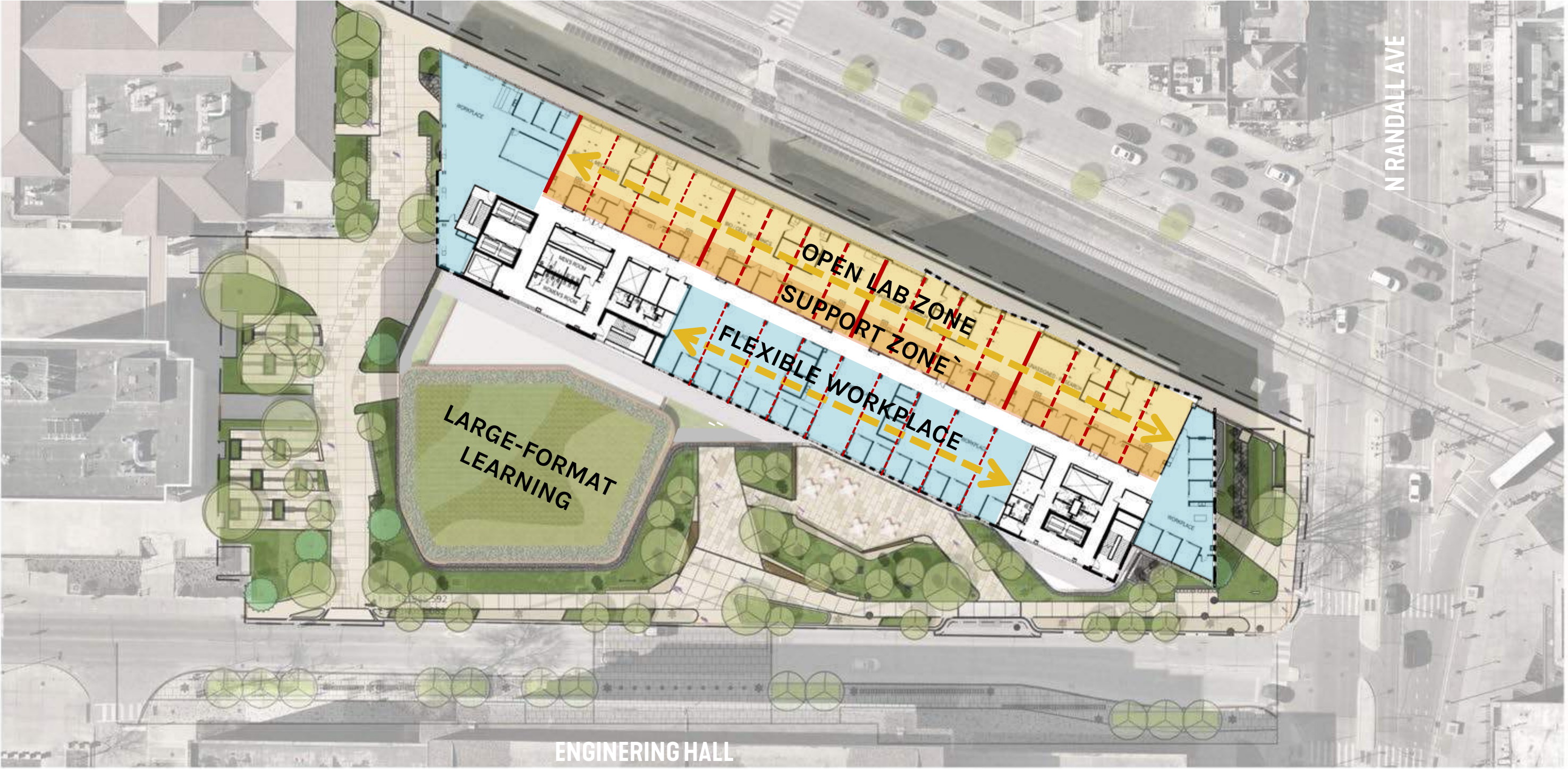


# PROJECT SCHEDULE

WEPA Process (Type I, EIS) - EIS Kick-Off Meeting	October 11, 2022
Wisconsin Historical Society – 1410 Demo Introductory Briefing	February 3, 2023
Wisconsin Historical Society - WI SHPO 1410 Approval to demolish	March 9, 2023
Design Review Board #1 Building - Introduction	March 21, 2023
City Planning Organizational Meeting with Planning/Zoning	April 20, 2023
Design Review Board #2 Building – Schematic Design	July 27, 2023
WEPA Process (Type I, EIS) - Public DEIS Scoping Meeting	October 3, 2023
Design Review Board #3 Building – Design Development	October 17, 2023
Notify alder (AD#5), Notify NA’s, Notify Business Assoc. in writing (by FP&M)	November 8, 2023
City of Madison Development Assistance Team (DAT)	December 7, 2023
35% Design Report	December 14, 2023
Joint Campus Area Committee #2 – Recommendation - Build	January 25, 2024
Board of Regents Approval	February 8, 2024
Design Review Board #4 Building – Final	March 19, 2024
State Building Commission meeting – authority to construct	TBD
Final Approval from City Staff	August 2024
Demolition listserv notification (by FP&M) 30-day notice prior to submitting Land Use Application	Building approved in 2025 CMP for removal
WEPA Process (Type I, EIS) - DEIS release for public review	TBD
WEPA Process (Type I, EIS) - DEIS public meeting	TBD
WEPA Process (Type I, EIS) - FEIS released for public review	TBD
WEPA Process (Type I, EIS) - FEIS public meeting	TBD
WEPA Process (Type I, EIS) - FEIS released & Record of Decision by UW System	TBD
DFD Final Review	October 2024
Existing 1410 Building Demolition	October 2024
Bidding	Jan-Feb 2025
Construction Start	March 2025
Substantial Completion	August 2027
Occupancy	Fall 2027



# DESIGN DRIVERS





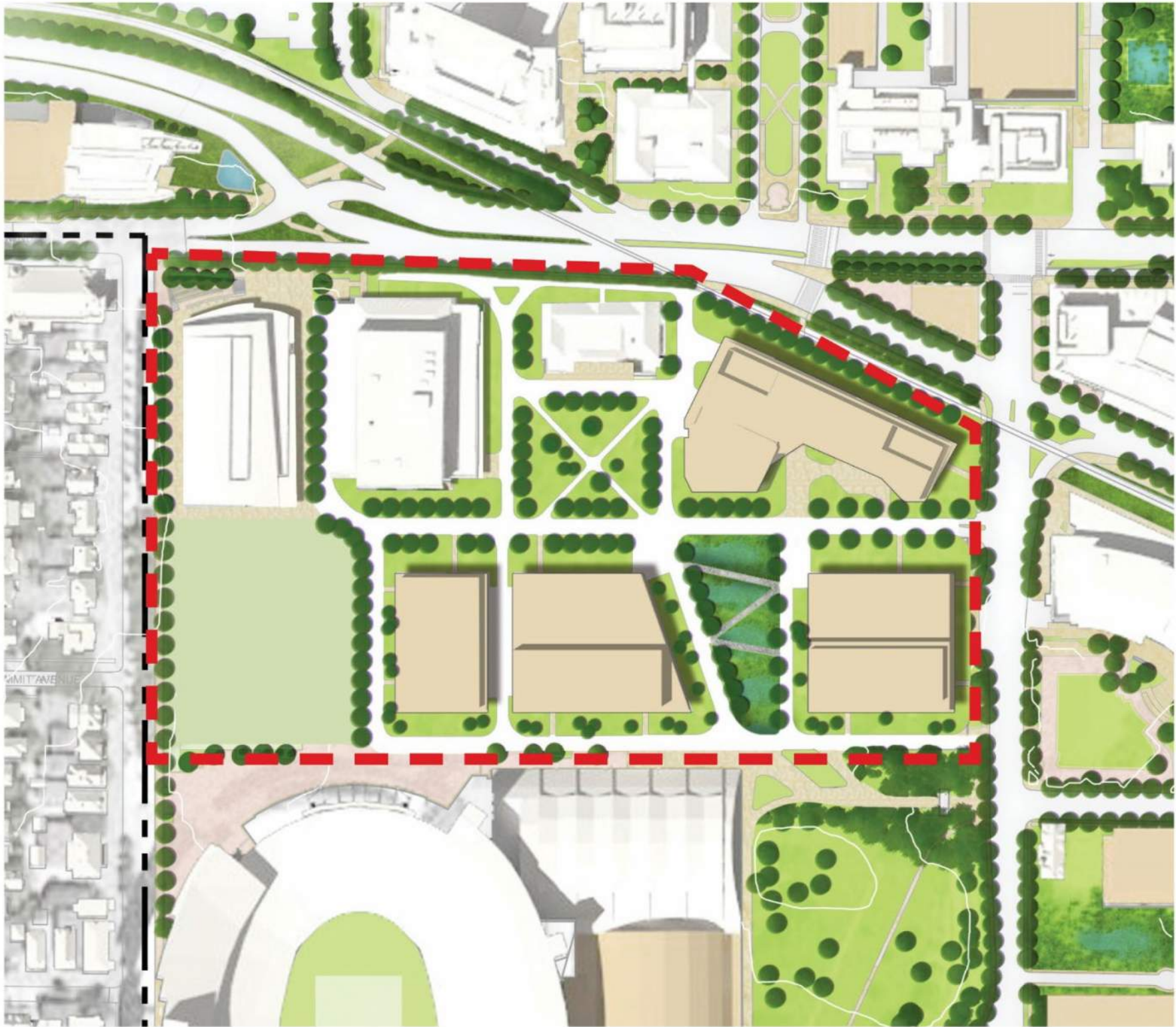


**SITE**



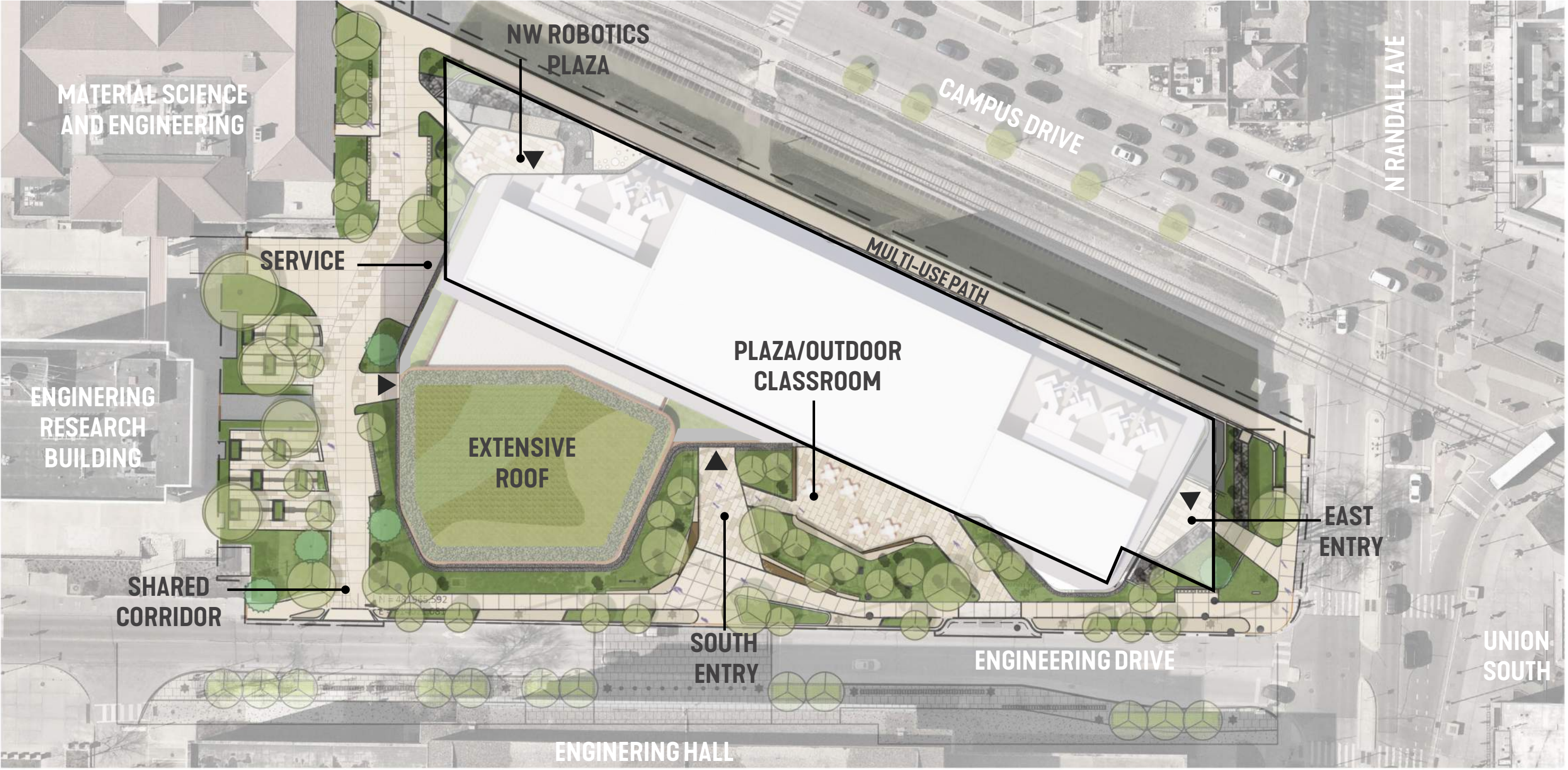
# MASTER PLAN AMENDMENT

Meeting / Action	Master Plan Amendment Dates (completed in <b>bold</b> ) Meetings in italics are tentative
Joint Campus Area Committee #1 - Informational – Amend	<b>July 27, 2023</b>
Notify alder (AD#5), Notify NA’s, Notify Business Assoc. in writing (by FP&M)	<del>November 8, 2023</del>
City of Madison Development Assistance Team (DAT)	<del>December 7, 2023</del>
Submit City of Madison Land Use Application	<del>December 11, 2023</del>
Joint Campus Area Committee #1 - Informational – recommendation on zoning change	<del>December 12, 2023</del>
Design Review Board #1 Amendment - Introduction	<del>December 19, 2023</del>
Joint Campus Area Committee – Recommendation - Amend	<del>January 25, 2024</del> recommendation to DRB
City – Plan Commission	<del>February 5, 2024</del>
City – Common Council – Approval	<del>February 13, 2024</del>





# ENGINEERING BUILDING SITE PLAN





# LANDSCAPE AND MATERIALS PALETTE

## WOODLAND SHADE

GROUND COVER  
COMPOSITION:  
60% SHRUBS  
20% GRASSES/SEDGES  
20% PERENNIALS/FERNS  
HACKBERRY  
HOPHORNBEAM  
RIVER BIRCH



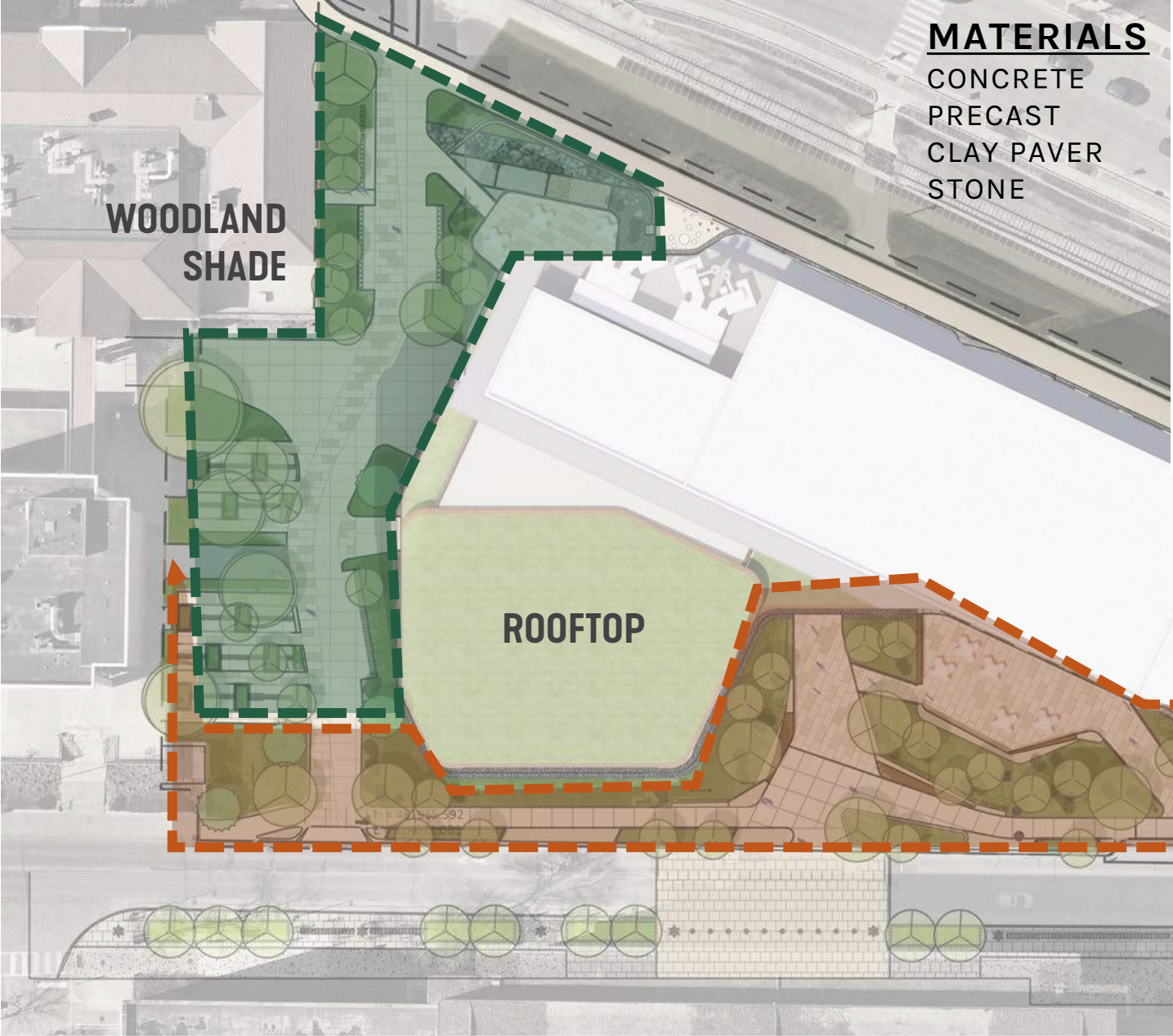
## NATURALISTIC SUN

GROUND COVER  
COMPOSITION:  
10% SHRUBS  
70% GRASSES  
20% PERENNIALS  
-OAK  
-SHAGBARK HICKORY  
-WHITE PINE  
-HACKBERRY  
-KENTUCKY COFFEETREE



## ROOFTOP

GROUND COVER  
COMPOSITION:  
100% SEDUM MAT +  
GRASSES/PERENNIAL  
INTERSPERSED



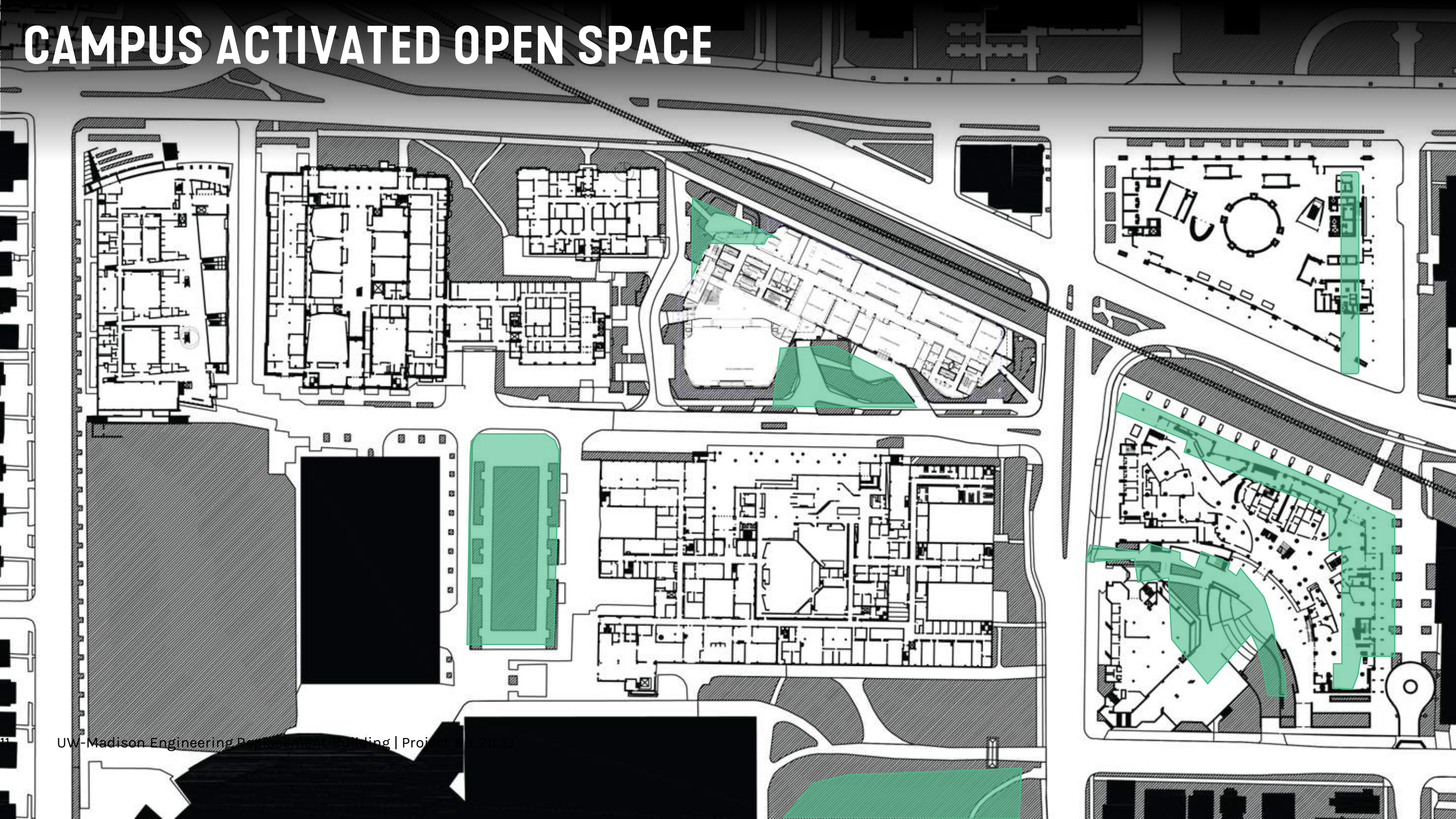
## MATERIALS

CONCRETE  
PRECAST  
CLAY PAVER  
STONE



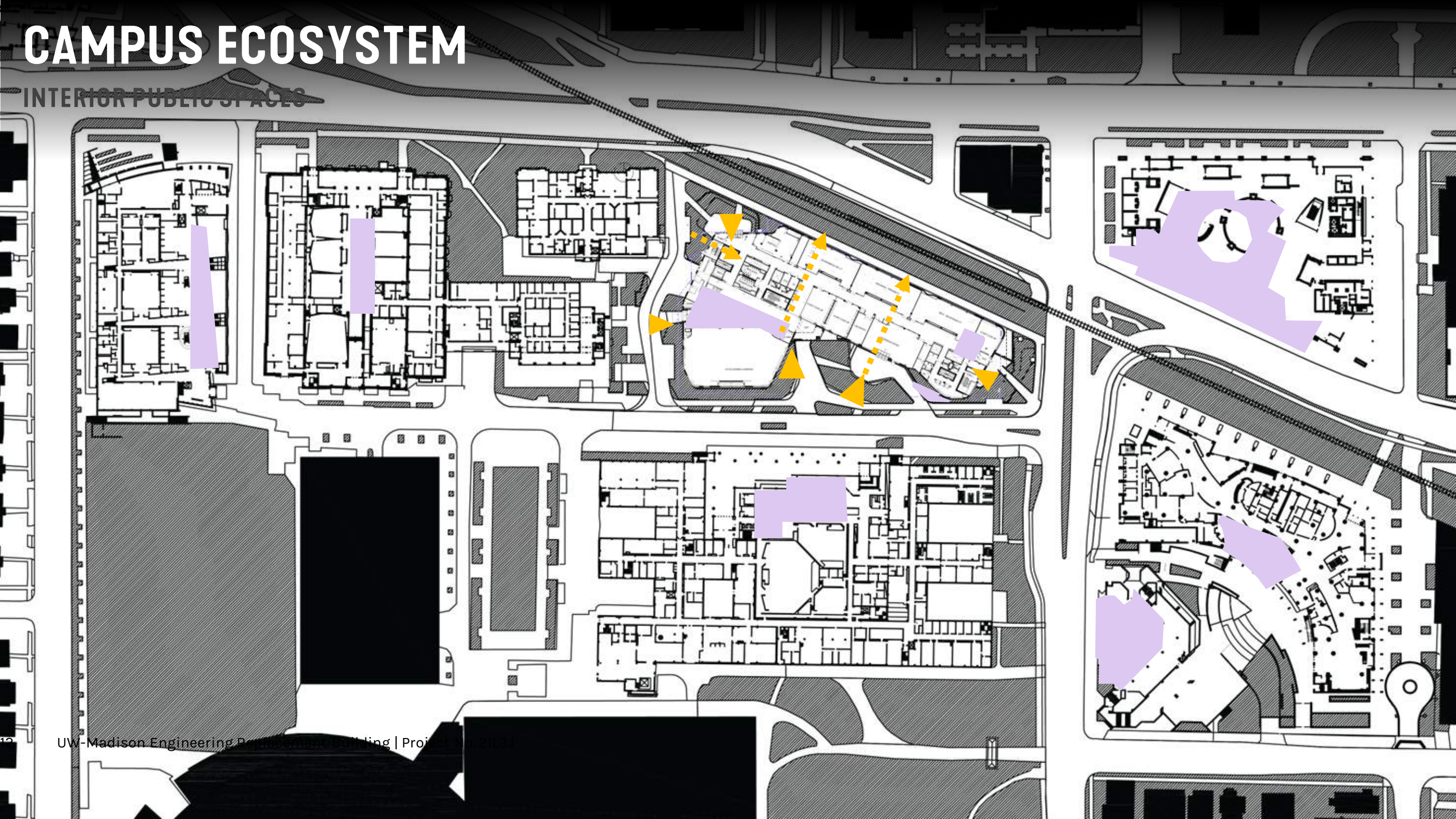
## NATURALISTIC SUN





# CAMPUS ACTIVATED OPEN SPACE





# CAMPUS ECOSYSTEM

## INTERIOR PUBLIC SPACES





# EXTERIOR VIEWS



# CAMPUS DRIVE

VIEW FROM NORTHWEST







# INCREASED TRANSPARENCY

VIEW FROM NORTHWEST



# CAMPUS DRIVE

VIEW FROM EAST





# ENGINEERING DRIVE

VIEW FROM SOUTHEAST





# PRIMARY ENTRY

VIEW FROM SOUTHEAST





# ENGINEERING DRIVE

VIEW FROM SOUTHWEST





# INCREASED TRANSPARENCY

VIEW FROM SOUTHWEST







# INTERIOR VIEWS





# LEARNING WING

LEVEL 1, SOUTH





# ACTIVE LEARNING CLASSROOM

LEVEL 1, SOUTH



# CATALYSIS LAB

LEVEL 3





# COLLABORATION

LEVEL 3, NORTHWEST







# EXTERIOR MATERIAL PALETTE



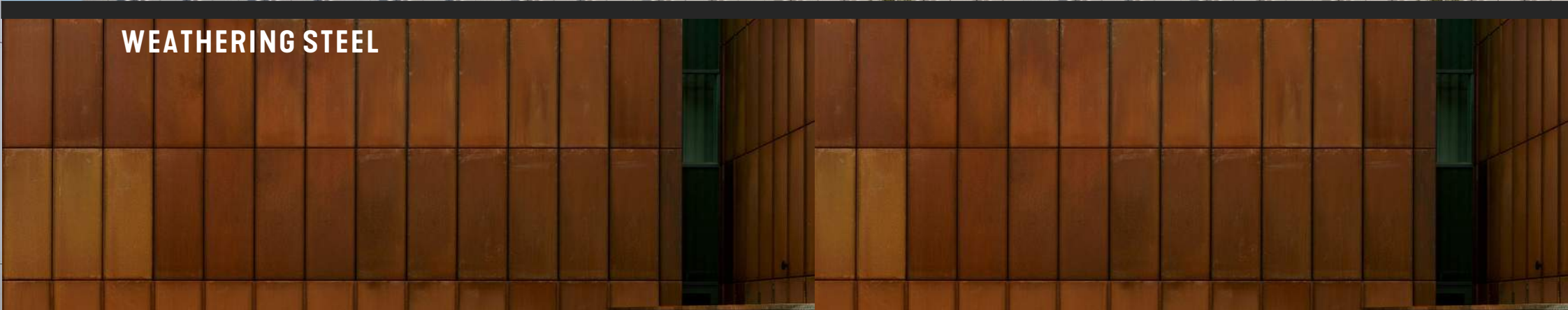
# EXTERIOR MATERIAL PALETTE



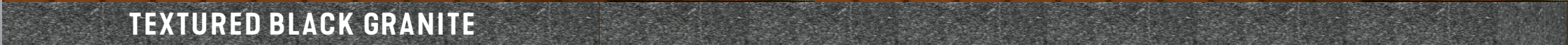
COMPOSITE METAL PANELS



TERRACOTTA - RAINSCREEN



WEATHERING STEEL



TEXTURED BLACK GRANITE









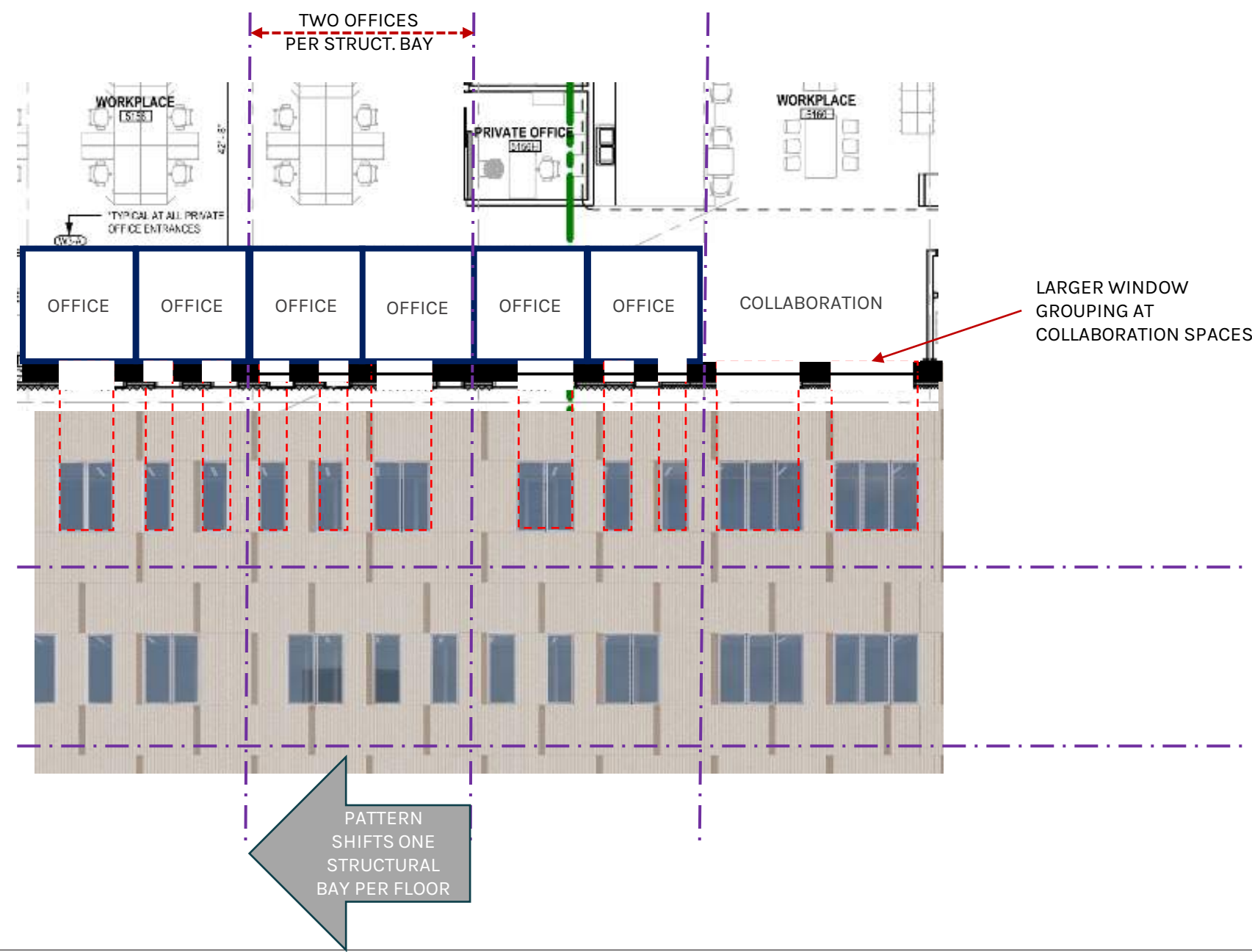


# APPENDIX



# WINDOW PATTERN RELATED TO OFFICES

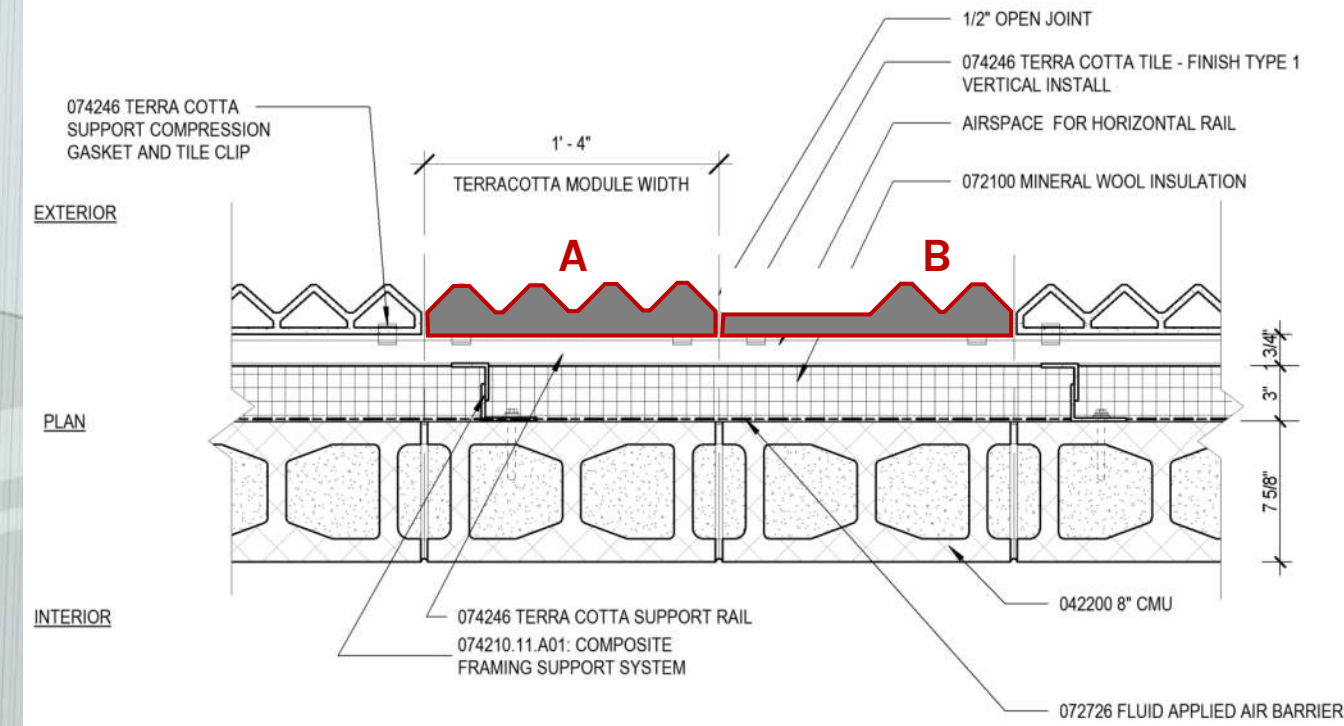
## SOUTH ELEVATION





# TERRACOTTA LAYOUT

## DETAIL MODEL



10'-8"

8"

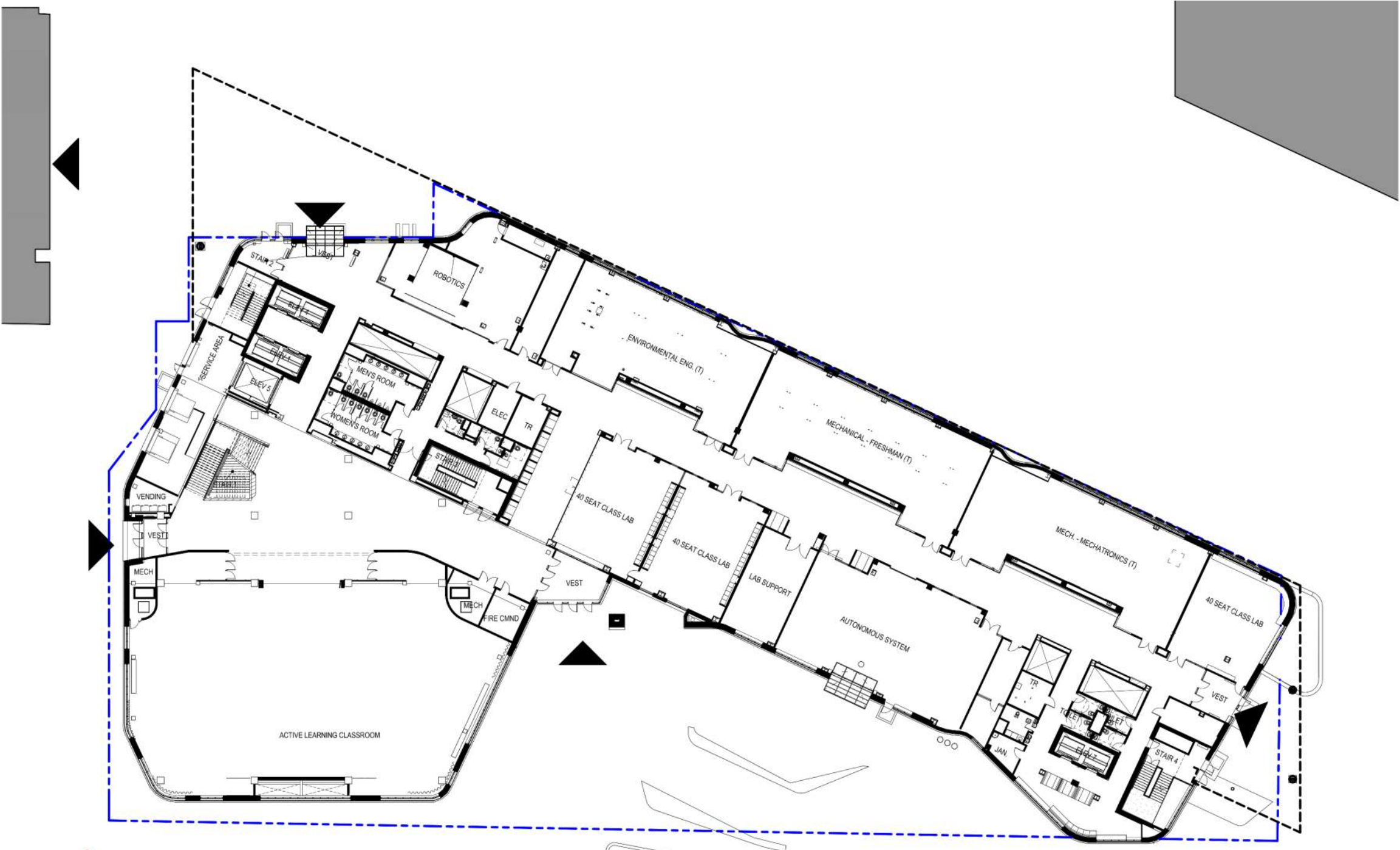
A

B



# FLOOR PLANS

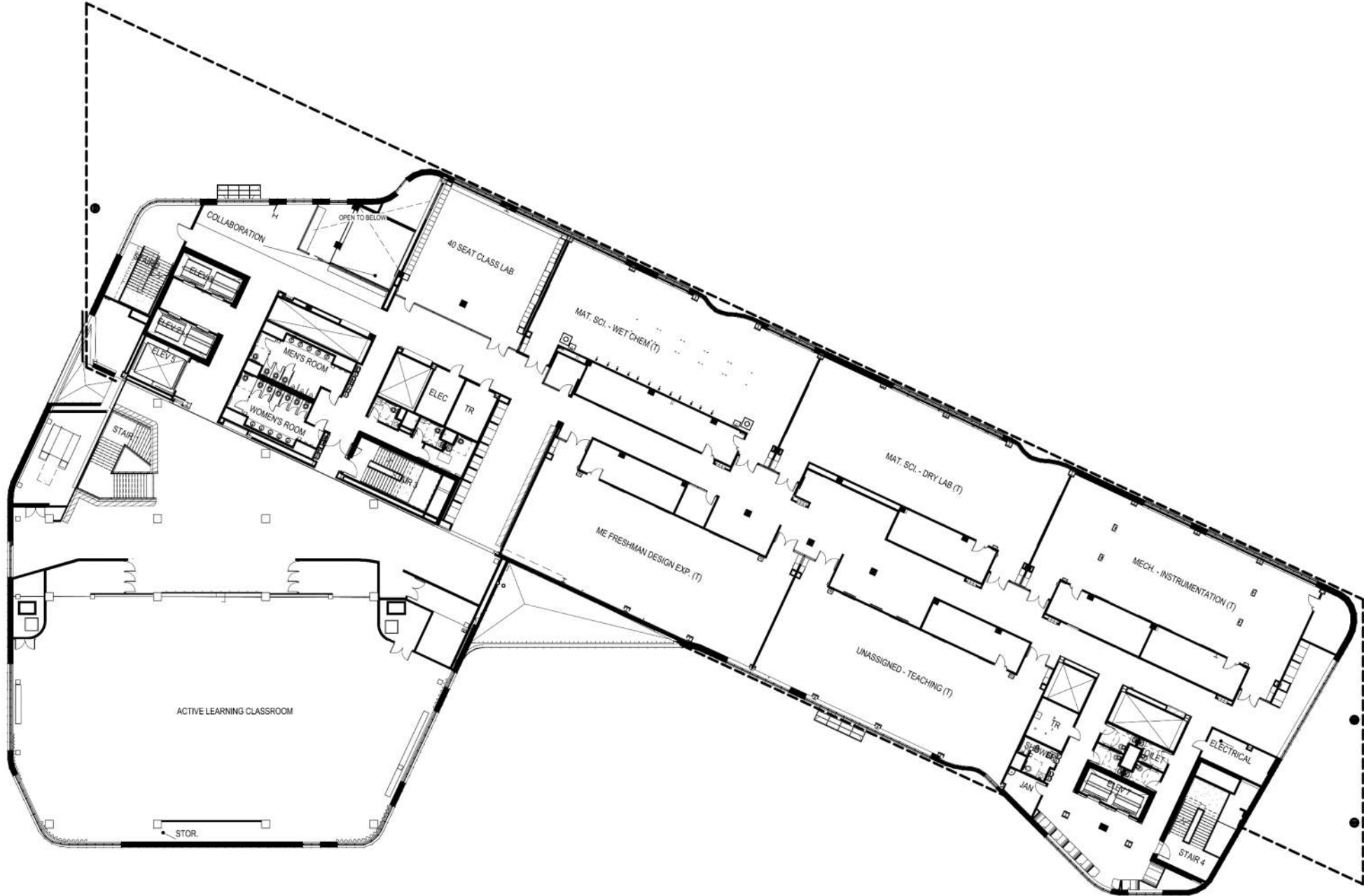
## LEVEL 1





# FLOOR PLANS

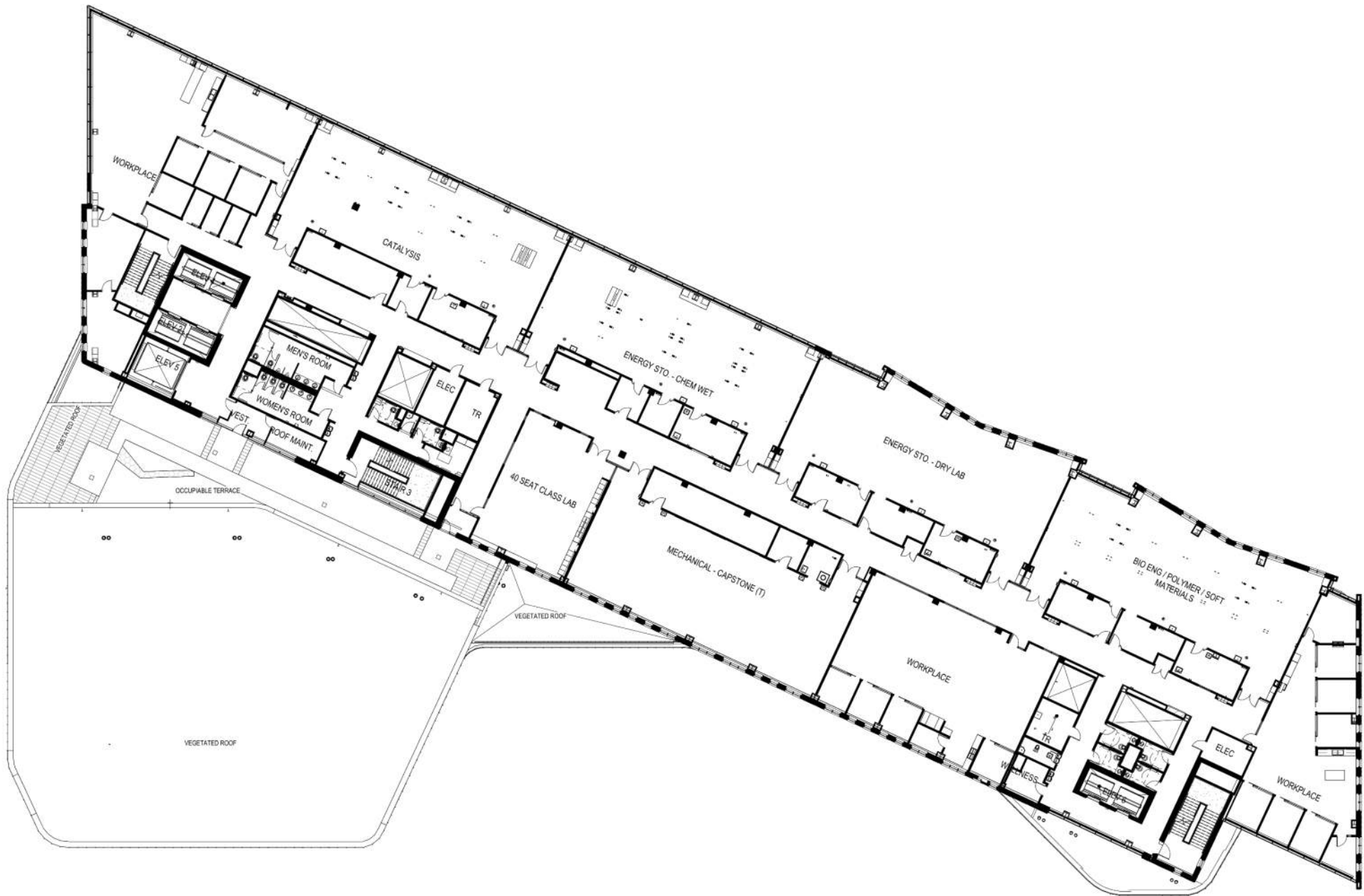
## LEVEL 2





# FLOOR PLANS

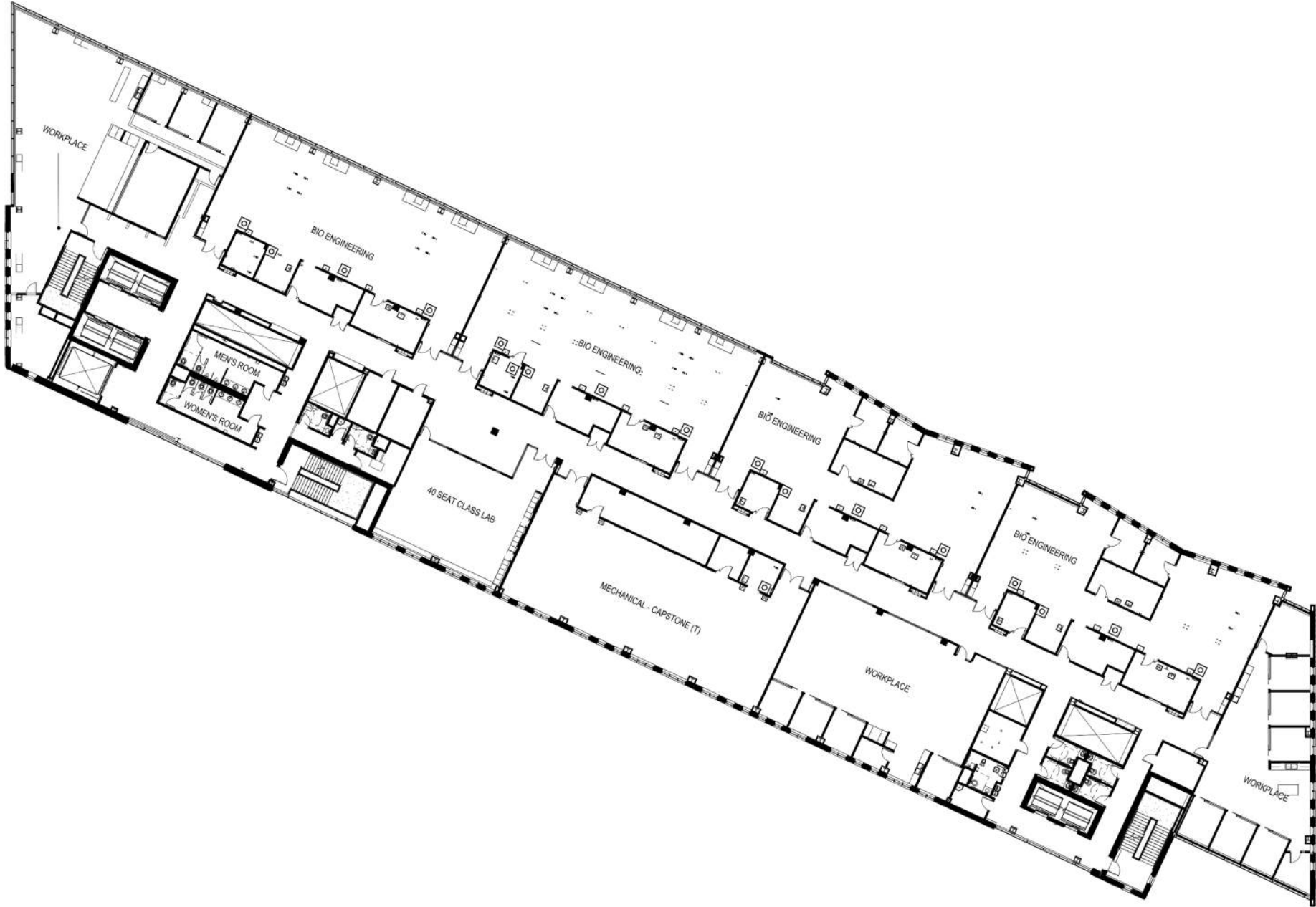
## LEVEL 3





# FLOOR PLANS

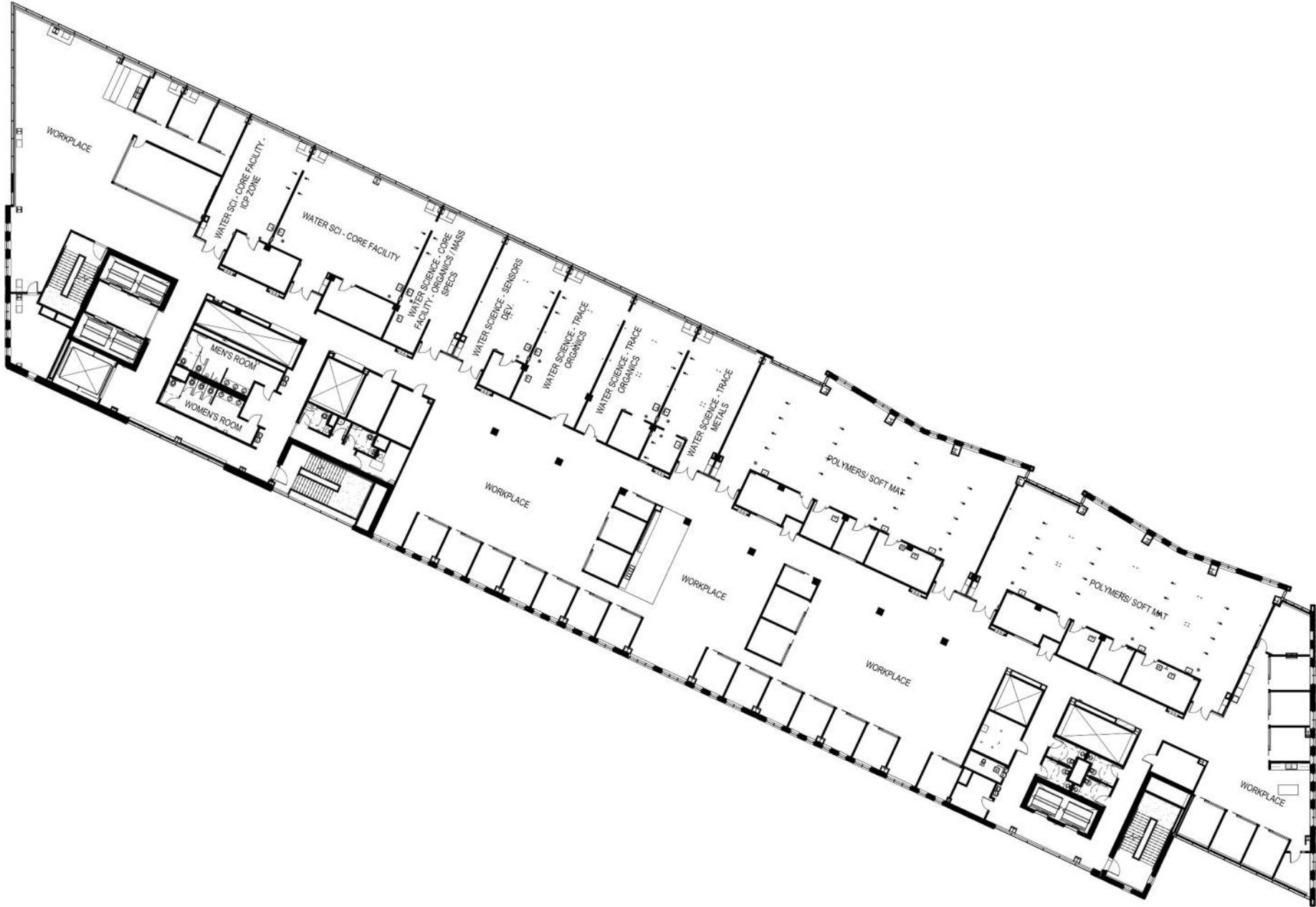
## LEVEL 4





# FLOOR PLANS

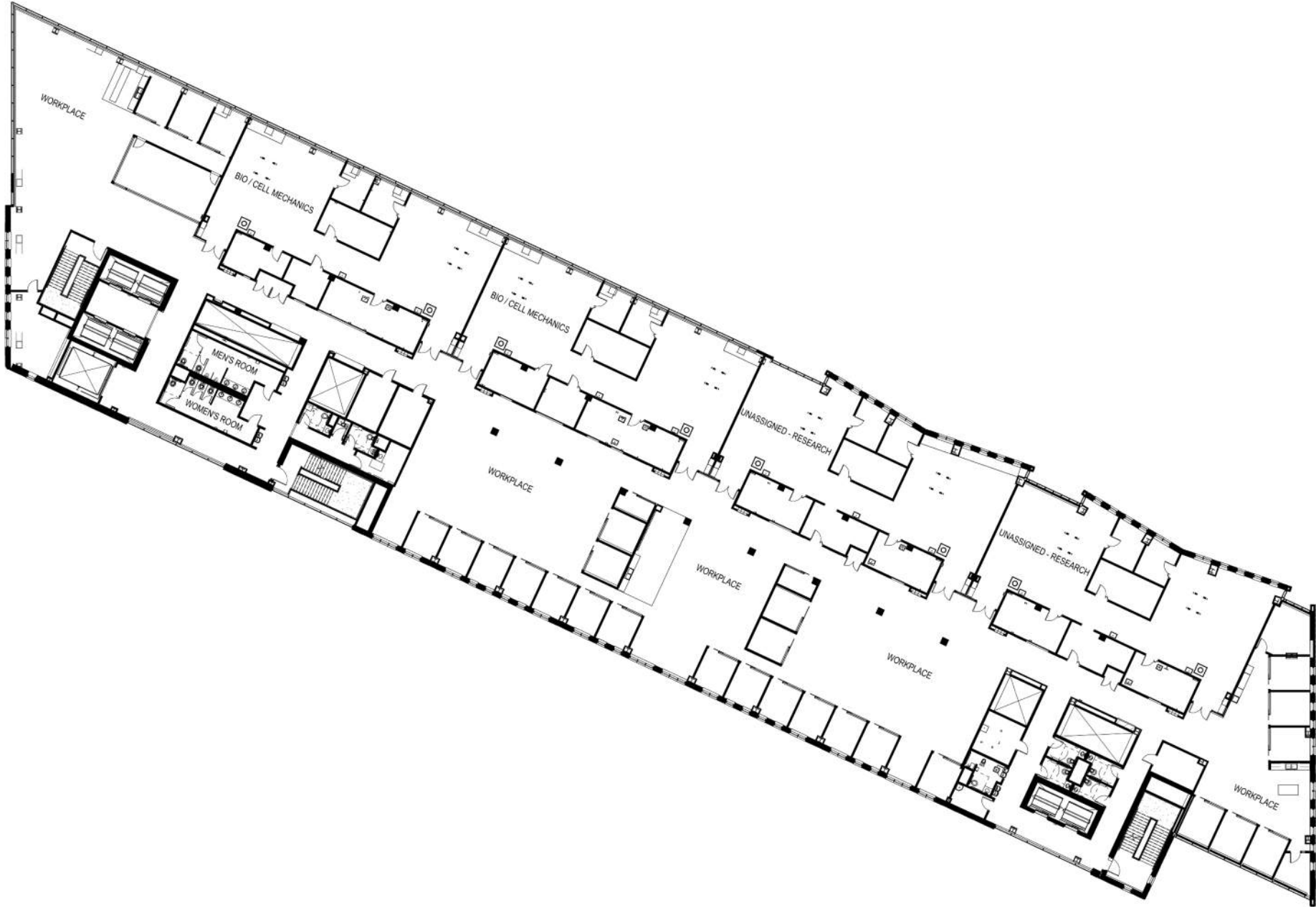
## LEVEL 5





# FLOOR PLANS

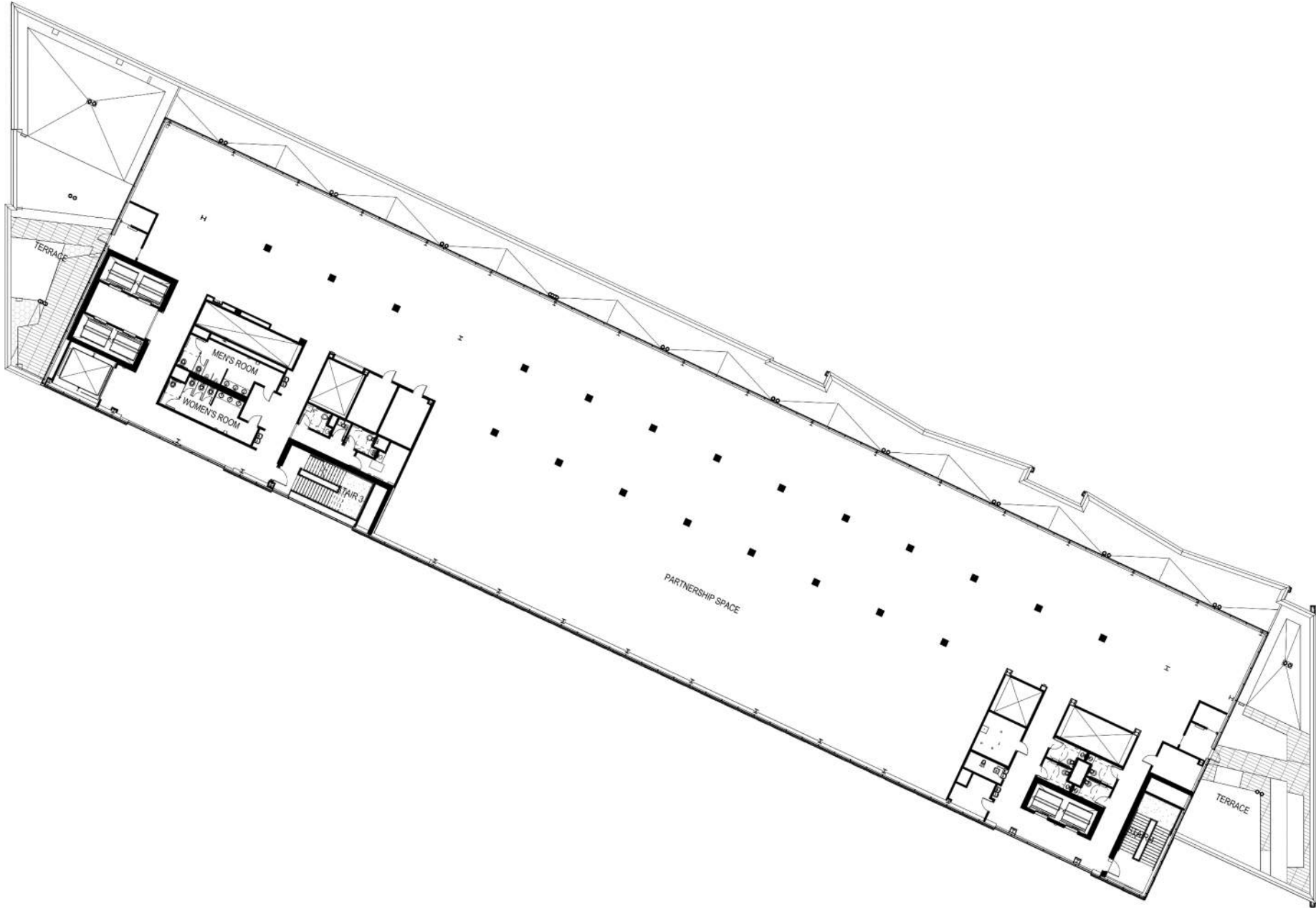
## LEVEL 6





# FLOOR PLANS

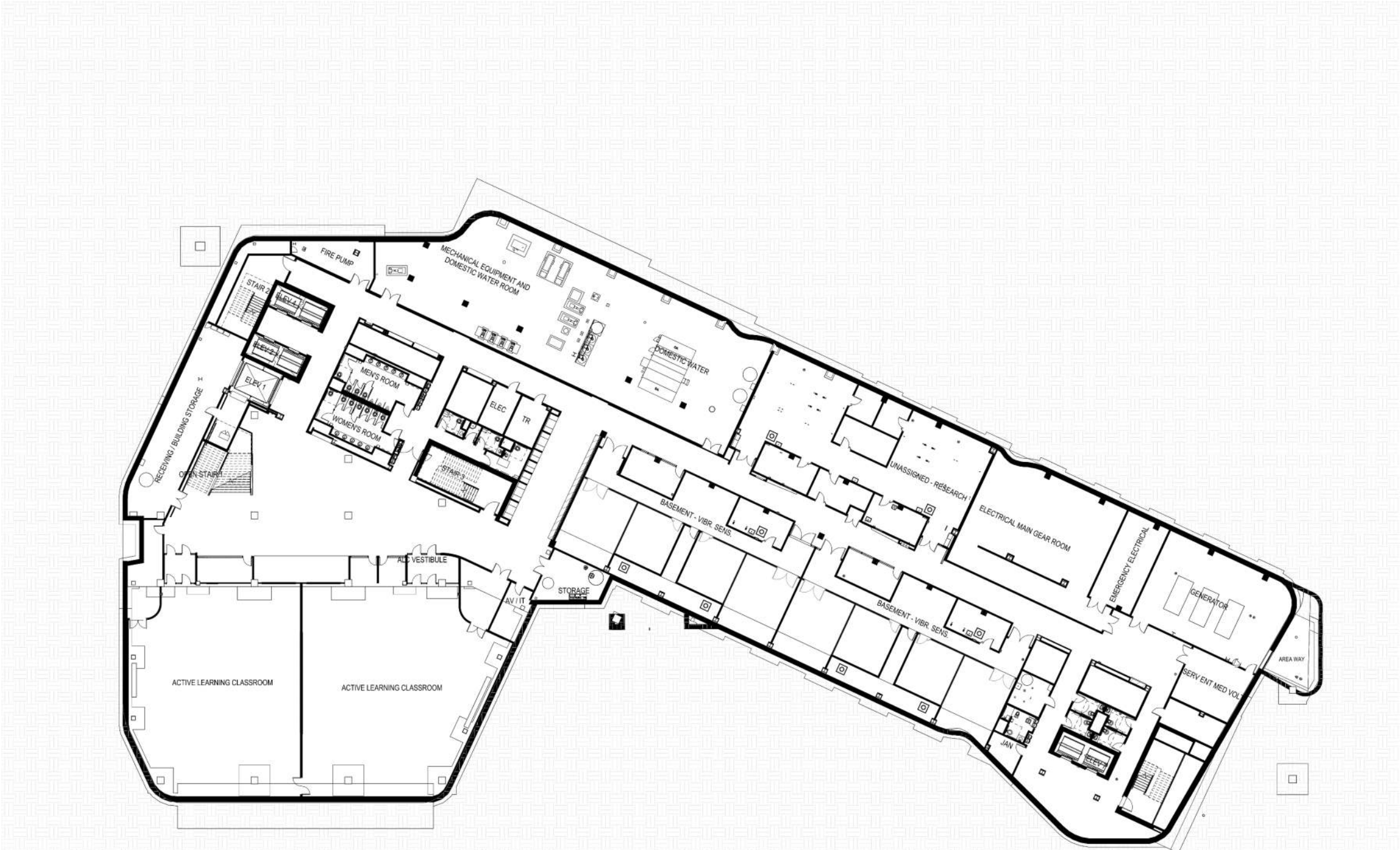
## LEVEL 7





# FLOOR PLANS

## LEVEL 0







# WISCONSIN

UNIVERSITY OF WISCONSIN-MADISON

## VILAS COMMUNICATIONS HALL ACCESSIBILITY RENOVATION

DFD PROJECT NO. 23D1V

MARCH 05, 2024





# PROJECT PURPOSE

The intent of this pre-design phase study for Vilas Communications Hall is two-fold; to improve reliability of the building's passenger elevators, and to improve user accessibility to and from the building.

Located at the corner of University Avenue and North Park Street, Vilas Communications Hall holds a prominent location on the University of Wisconsin-Madison campus. The facility houses academic departments including the UW-Madison School of Journalism and Mass Communications, the Department of Communications Arts, and the Department of Theatre and Drama. Department of Theatre and Drama supporting facilities include Mitchell Theatre, a thrust theatre and Hemsley Theatre, a black box theatre.

Additionally, the building provides a home for Wisconsin Public Radio and PBS Wisconsin, Wisconsin's state-wide network of public television stations.

Construction for Vilas Communications Hall began in 1969 and was completed for classroom instruction in the Spring semester, 1972. The building is best described as designed in the late-modern Brutalist architectural style. The Wisconsin State Historical Society (WHS) has classified the building as "potentially historic" requiring architectural review by the WHS prior to allowing exterior design modifications.

# HISTORIC DESIGN REVIEW AND PROPOSED DESIGN

The final proposed design follows a 5-foot by 5-foot planning module consistent with the historic design. In order to accommodate a code-conforming ramp and a new stair, the design does not replicate all concrete modules. An important technical concern is excavation for the proposed concrete stair and ramp, which will require frost walls below. After studying original design documents on the way the concrete modules were constructed, it was determined excavation for new frost walls will undercut the existing concrete modules making them structurally unstable and unsafe during new construction.

We propose removal of all concrete modules and replacement with new concrete modules that replicate existing module heights and concrete finishes.

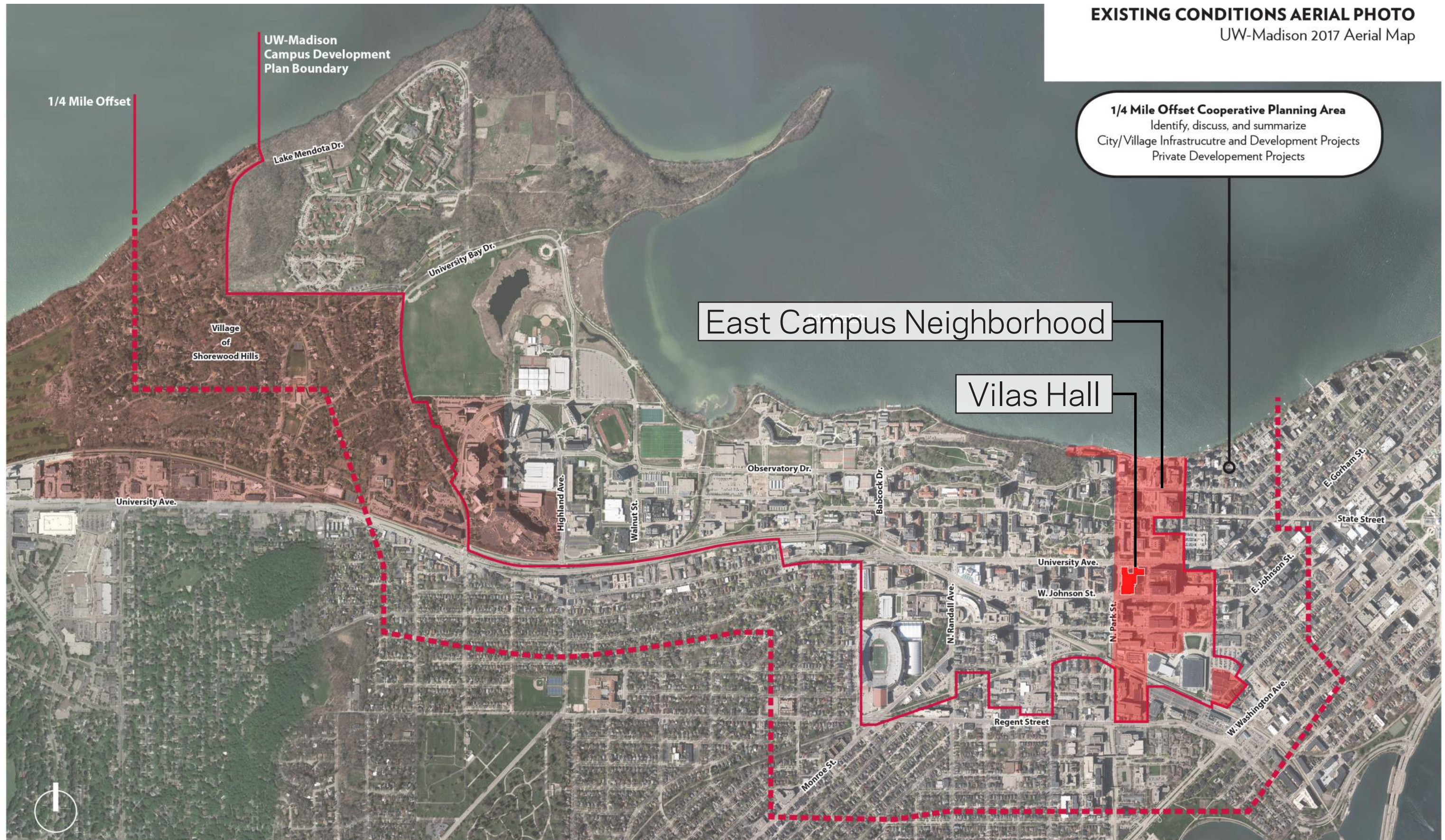
Vilas's current bike stall count is 35, 12 of these on the north side the stair up to the Level 4 Plaza, the remainder 23 at a mid level. Existing street-level bicycle parking is to be re-installed at the street level in the North Court, with an additional 12 matching stall types added to the space west of the existing stairs.



# CAMPUS MAP, EAST CAMPUS NEIGHBORHOOD

EXISTING CONDITIONS AERIAL PHOTO

UW-Madison 2017 Aerial Map



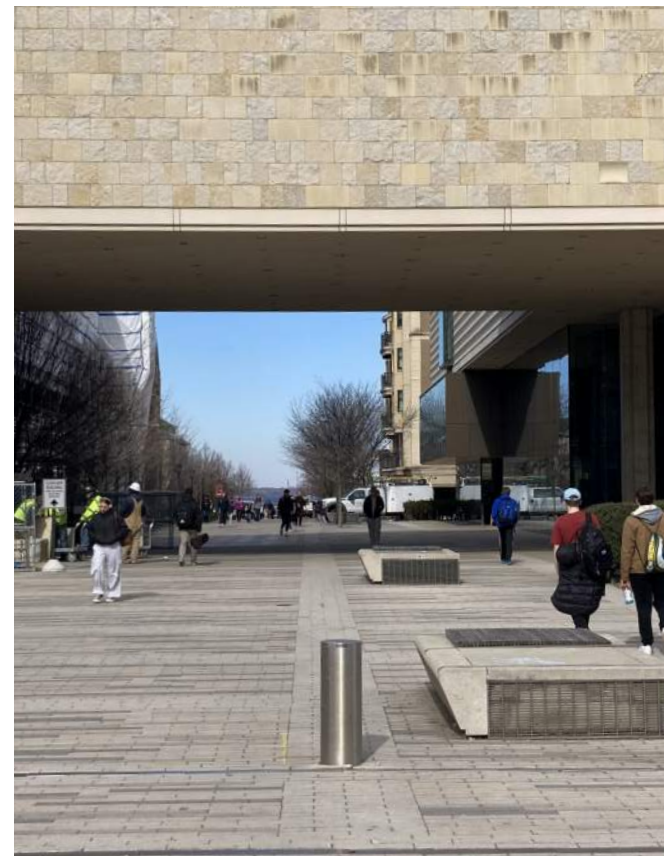


# SITE CIRCULATION & CONTEXT





# SITE CONTEXT PHOTOS





# SITE

## STORMWATER

Stormwater modifications required by the new pavement and courtyard design will leave necessary stormwater management strategies largely unchanged. In response to user group complaints about existing drain clogage and maintenance issues, trench drain locations will be shifted north further from the building to accomodate the new accessible entrance at the lowest level of the court.

## UTILITIES

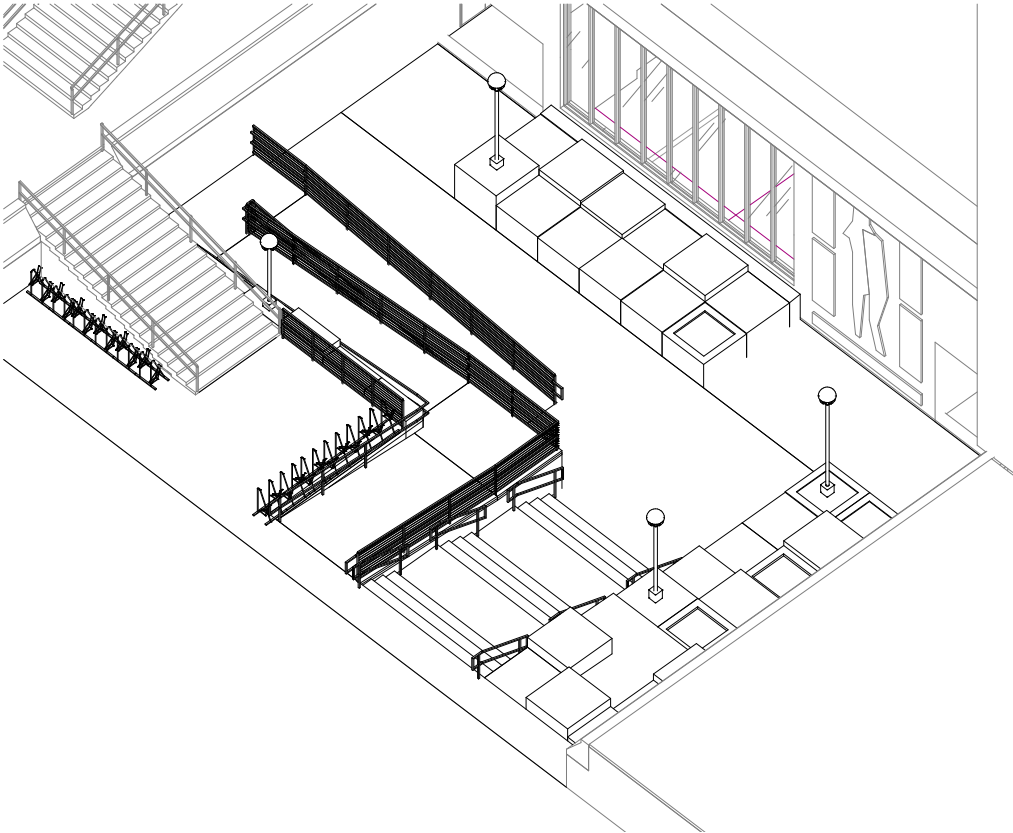
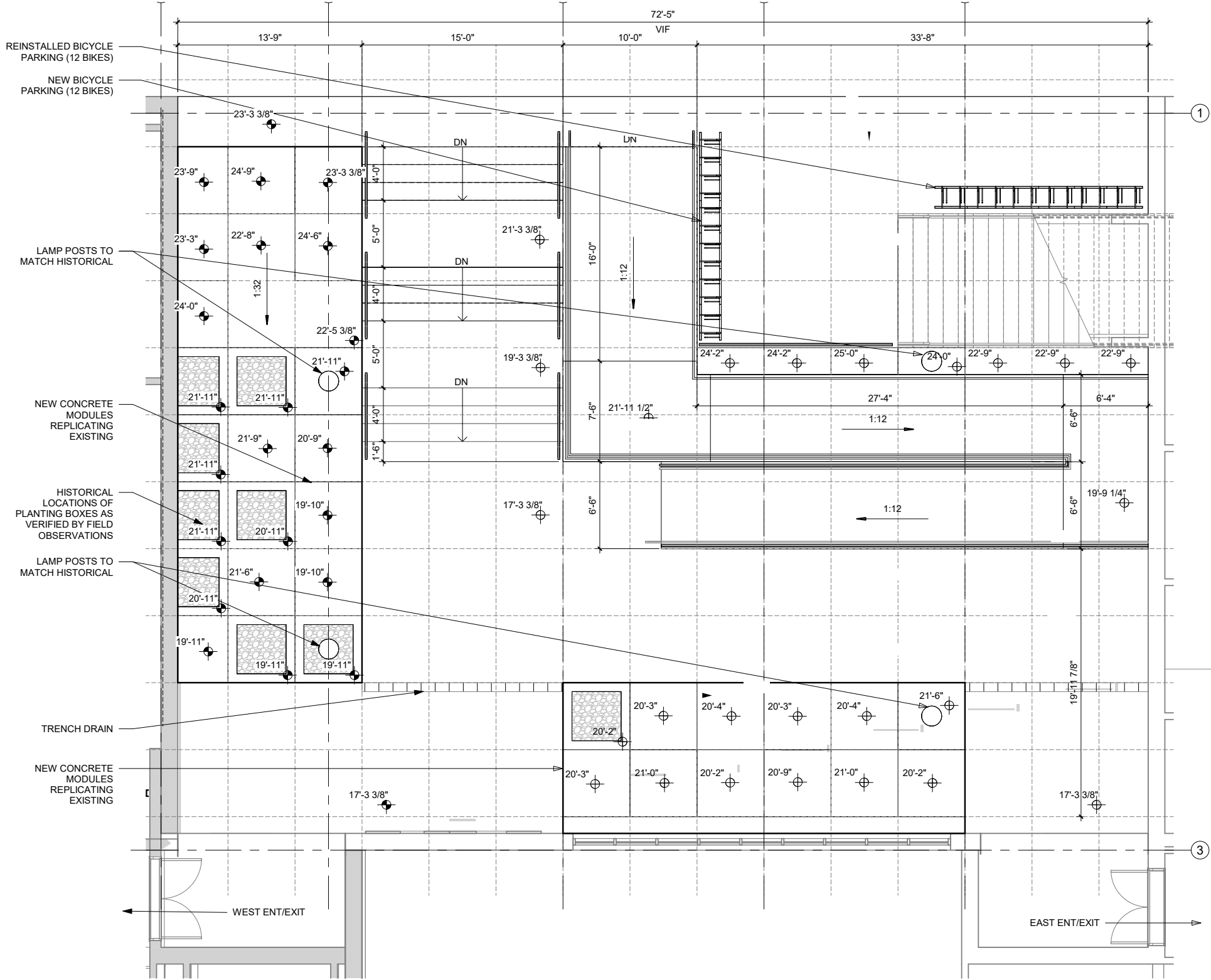
New power will need to be routed to added lamp post lighting within the courtyard. Further investigation will determine depth and location of existing on-site utilities.

## LANDSCAPING STRATEGIES

All remaining plant matter is to be removed, and all modules containing planter boxes are to be replaced in a manner consistent with the existing construction. Reconstructed planter boxes are to be re-planted with hardy plantings suitable to the urban context of the site and the minimal accessible sunlight. Species include Russian Arborvitae, Hicks Yew, and Little Joe Viburnum.



# NORTH COURT PLANS



NORTH COURT PERSPECTIVE

NORTH COURT PLAN



# NORTH COURT RENDERINGS





# NORTH COURT RENDERINGS





# NORTH COURT RENDERINGS





# NORTH COURT RENDERINGS

