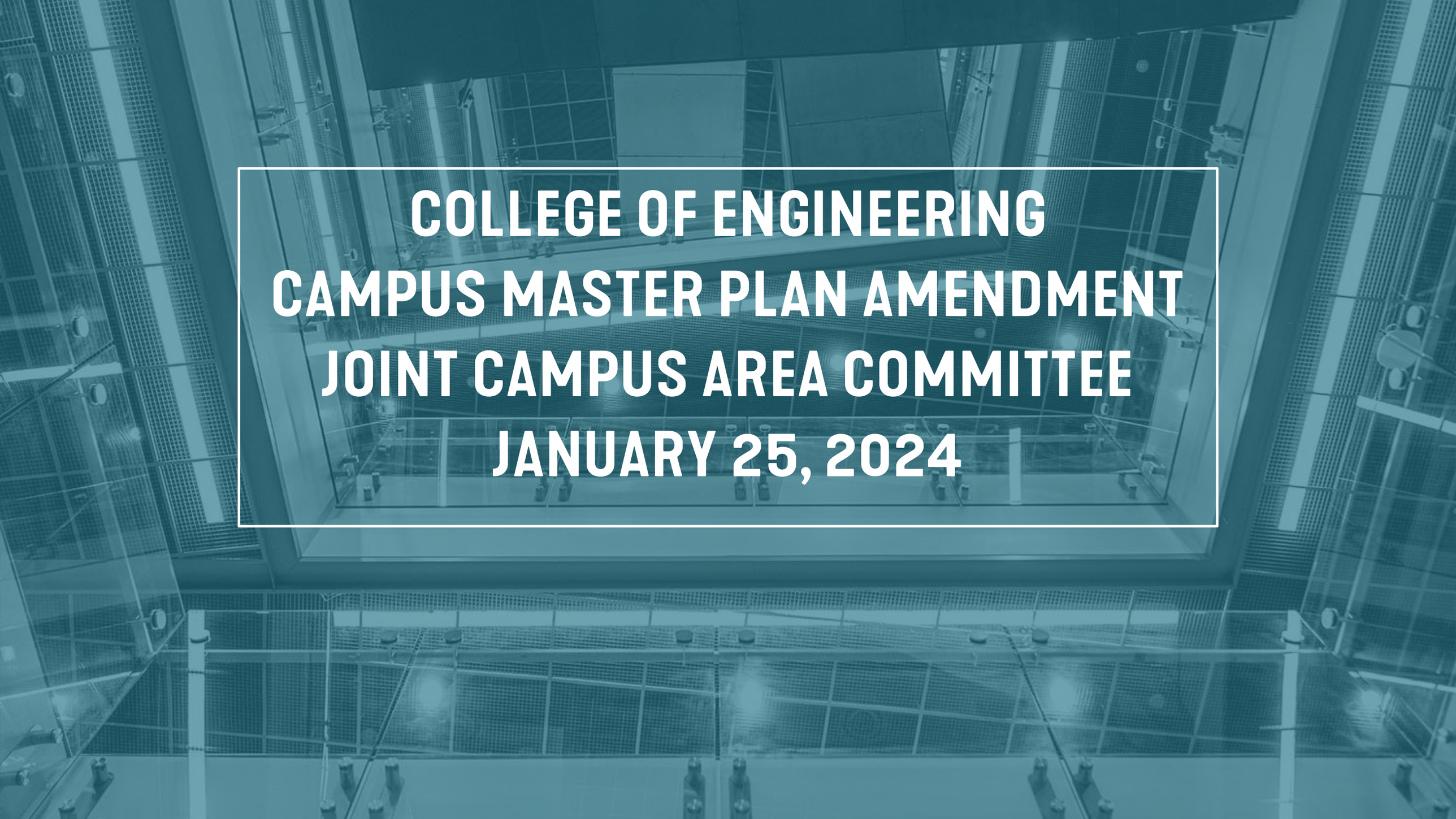
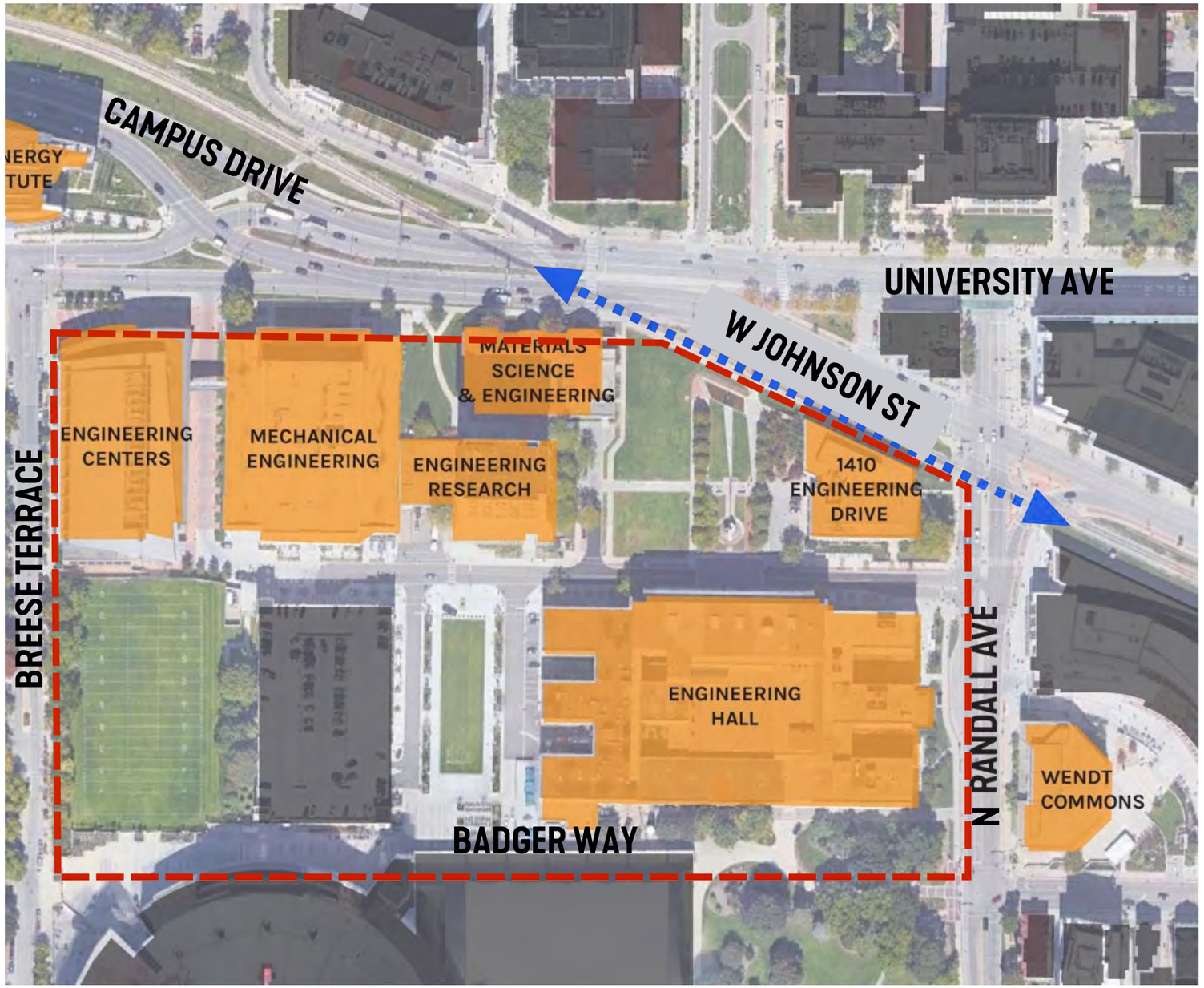


COLLEGE OF ENGINEERING
CAMPUS MASTER PLAN AMENDMENT
JOINT CAMPUS AREA COMMITTEE
JANUARY 25, 2024

PROJECT PURPOSE

Update the master plan to create more flexibility within individual building floor plans while preserving and enhancing the quality and character of campus open space.

Meet or exceed the GSF for the district as identified in the 2015 plan.

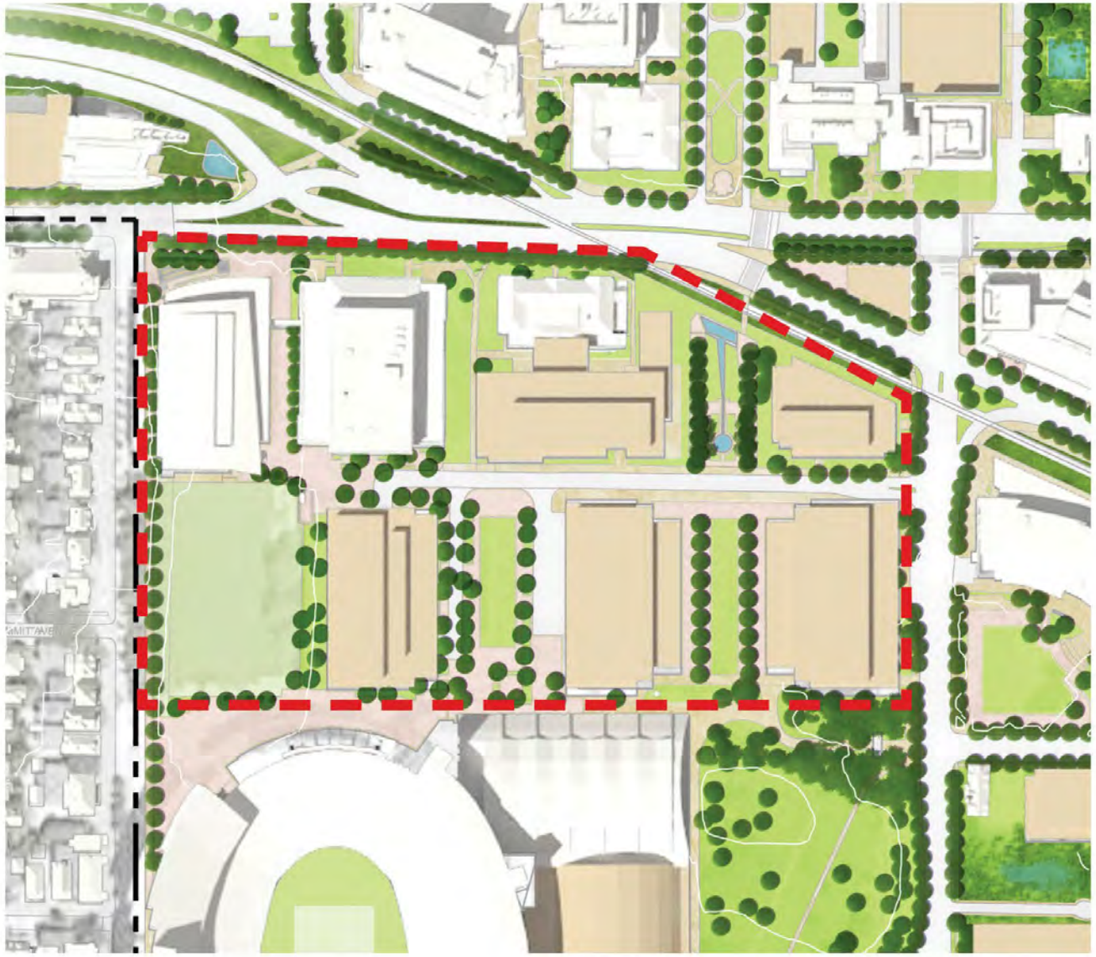


PROJECT AREA AND EXISTING CONDITIONS

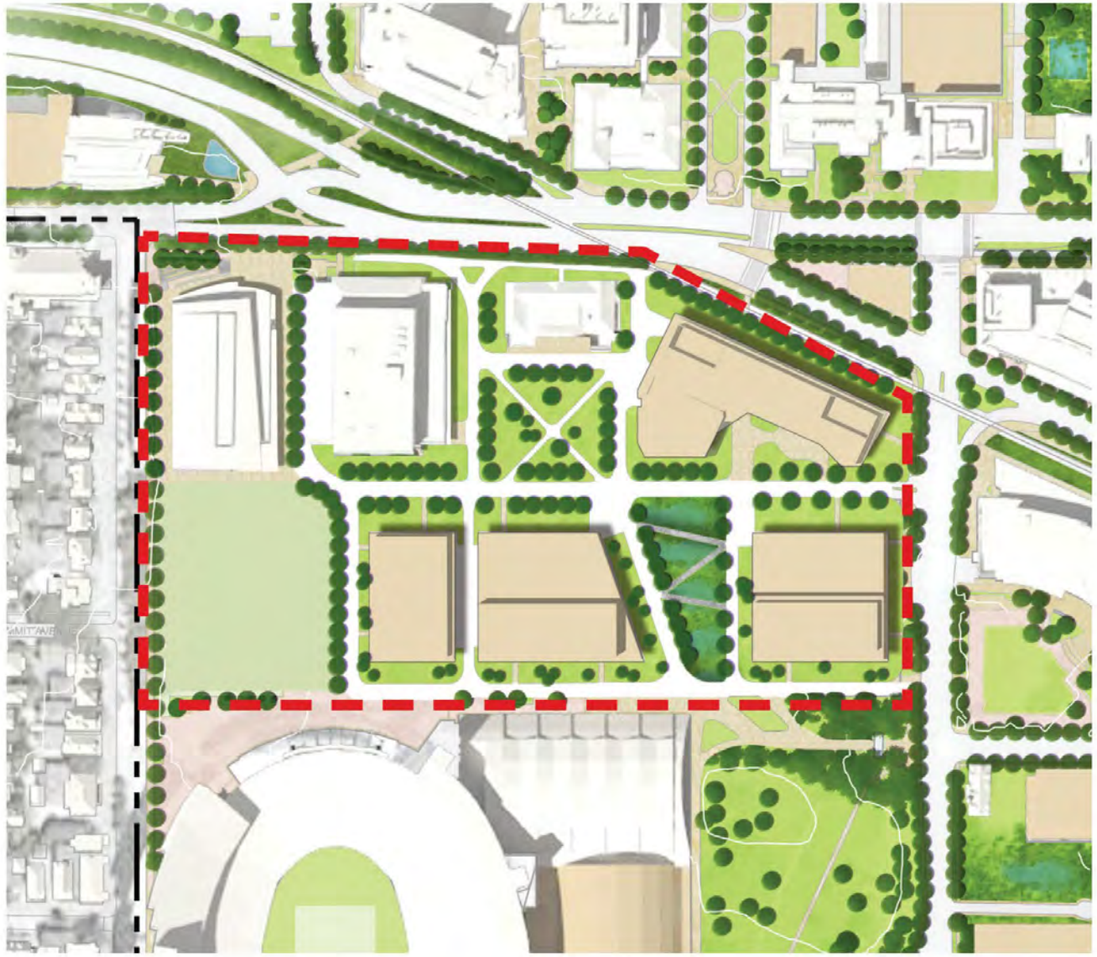
CONCEPT PLAN

PROPOSED AMENDMENTS

OVERALL PLAN



2015 PLAN

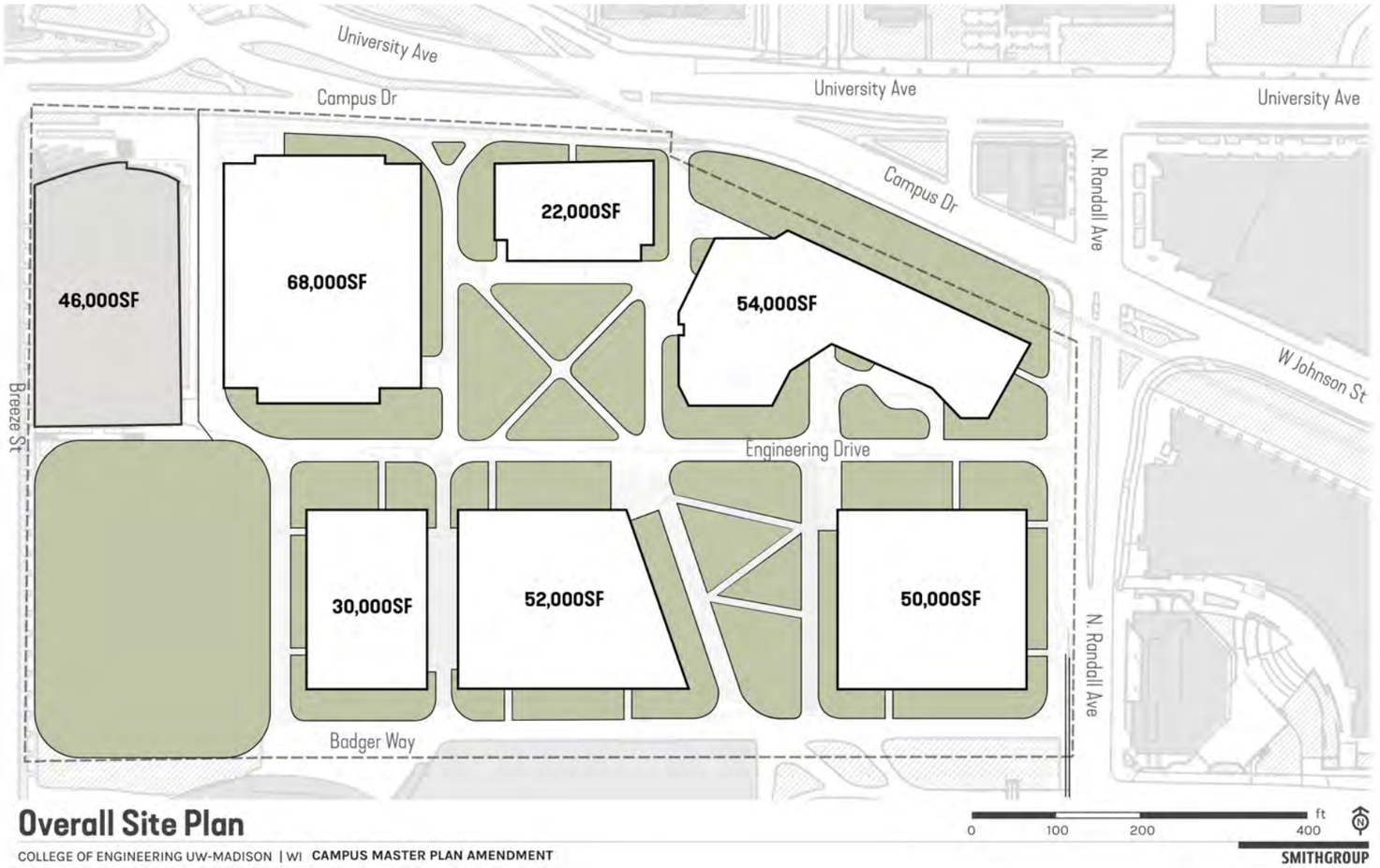


PROPOSED PLAN

PROPOSED PLAN

DESIGN DRIVERS

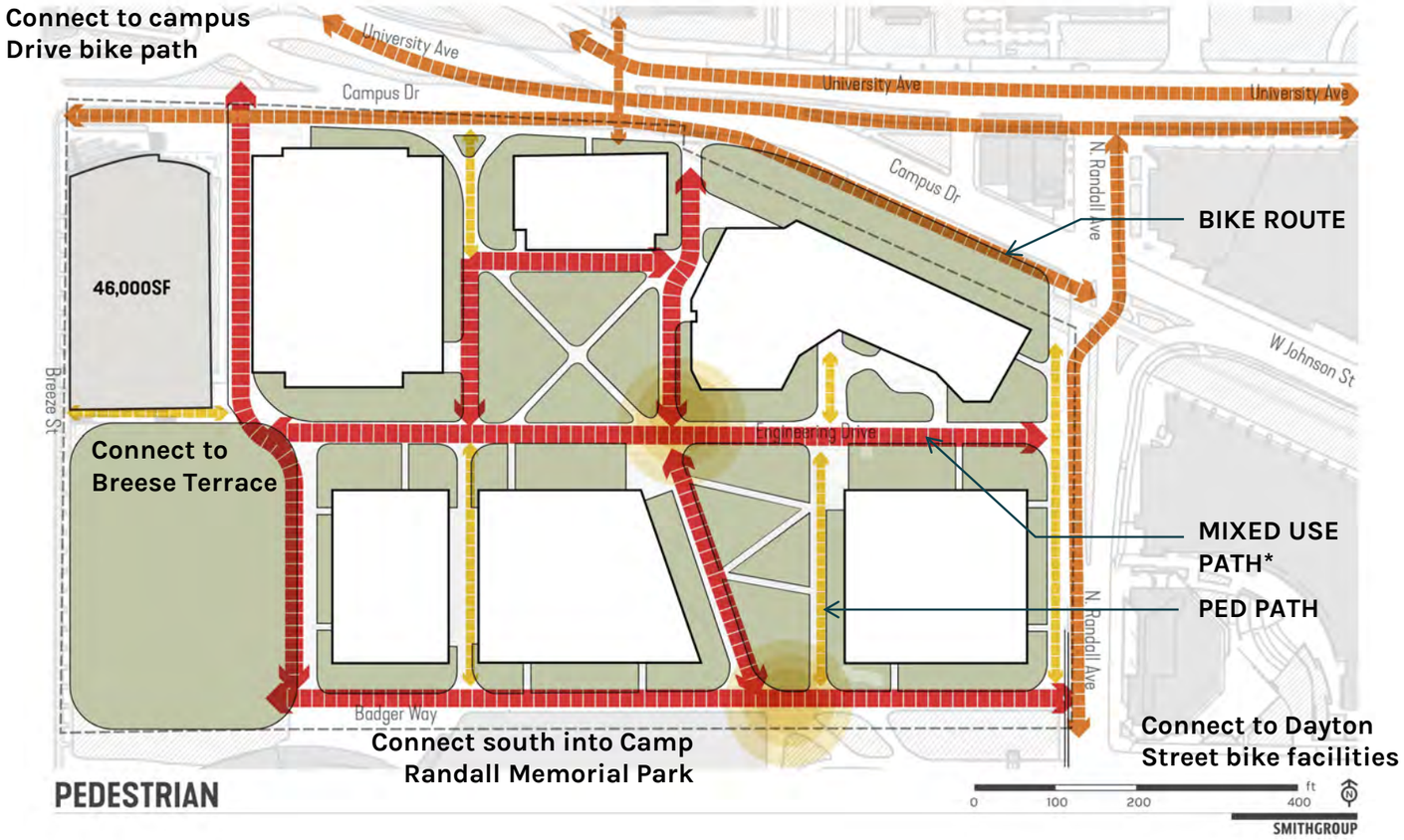
1. **Space Needs: The Plan should meet or exceed the GSF of the 2015 plan, with minimum floorplates of about 25,000 sf**
2. **The plan should create sustainable and resilient solutions for the Campus**



PROPOSED PLAN

DRIVERS AND PEDESTRIAN CIRCULATION

1. Space Needs: The Plan should meet or exceed the GSF of the 2015 plan, with minimum floorplates of about 25,000 sf
2. The plan should create sustainable and resilient solutions for the Campus
3. **Circulation: The Plan should prioritize pedestrians, create adequate space for dispersed bike parking. Service access should be more evenly distributed and favor the perimeter of the site, prioritizing pedestrian space at the center.**



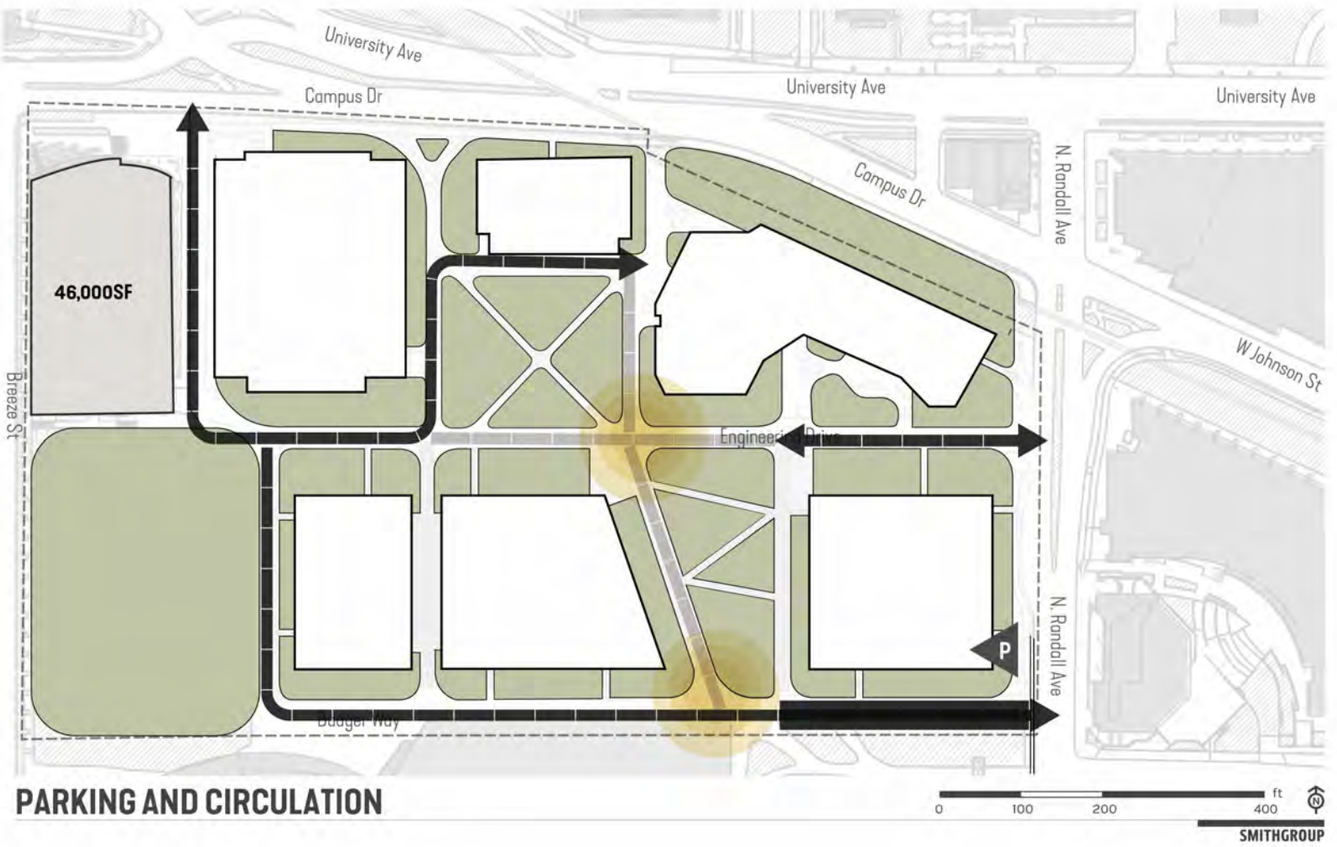
*Mixed Use Paths to accommodate service and emergency vehicles

The Engineering Drive Corridor is the primary pedestrian route. The plan modifies the north / south connection to create a link to Camp Randall Memorial Park to the south and corresponds with a potential entry to the McClain Center (Camp Randall Sports Center Redevelopment)

PROPOSED PLAN

DRIVERS AND VEHICLE CIRCULATION

1. Space Needs: The Plan should meet or exceed the GSF of the 2015 plan, with minimum floorplates of about 25,000 sf
2. The plan should create sustainable and resilient solutions for the Campus
3. **Circulation: The Plan should prioritize pedestrians, create adequate space for dispersed bike parking. Service access should be more evenly distributed and favor the perimeter of the site, prioritizing pedestrian space at the center.**

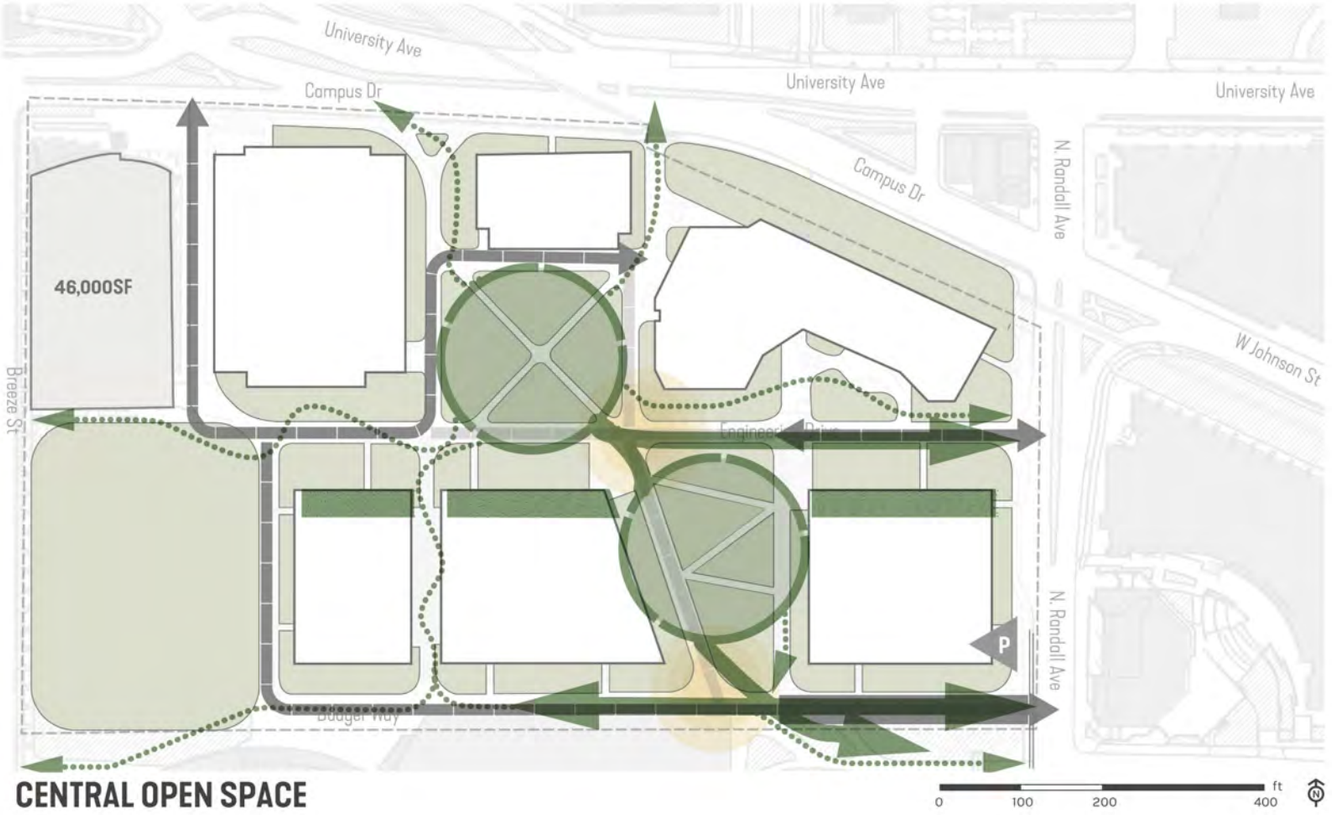


The multi-use paths enable circulation for service and emergency vehicles to distribute service and reduce conflicts at the interior of the site. Parking and delivery could potentially be located at the SE corner to ease distribution

PROPOSED PLAN

DRIVERS AND SENSE OF PLACE

1. Space Needs: The Plan should meet or exceed the GSF of the 2015 plan, with minimum floorplates of about 25,000 sf
2. **The plan should create sustainable and resilient solutions for the Campus**
3. Circulation: The Plan should prioritize pedestrians, create adequate space for dispersed bike parking. Service access should be more evenly distributed and favor the perimeter of the site, prioritizing pedestrian space at the center.
4. **Sense of Place: The Plan should create a recognizable center and sense of place for the Engineering Campus and create potential to showcase engineering.**

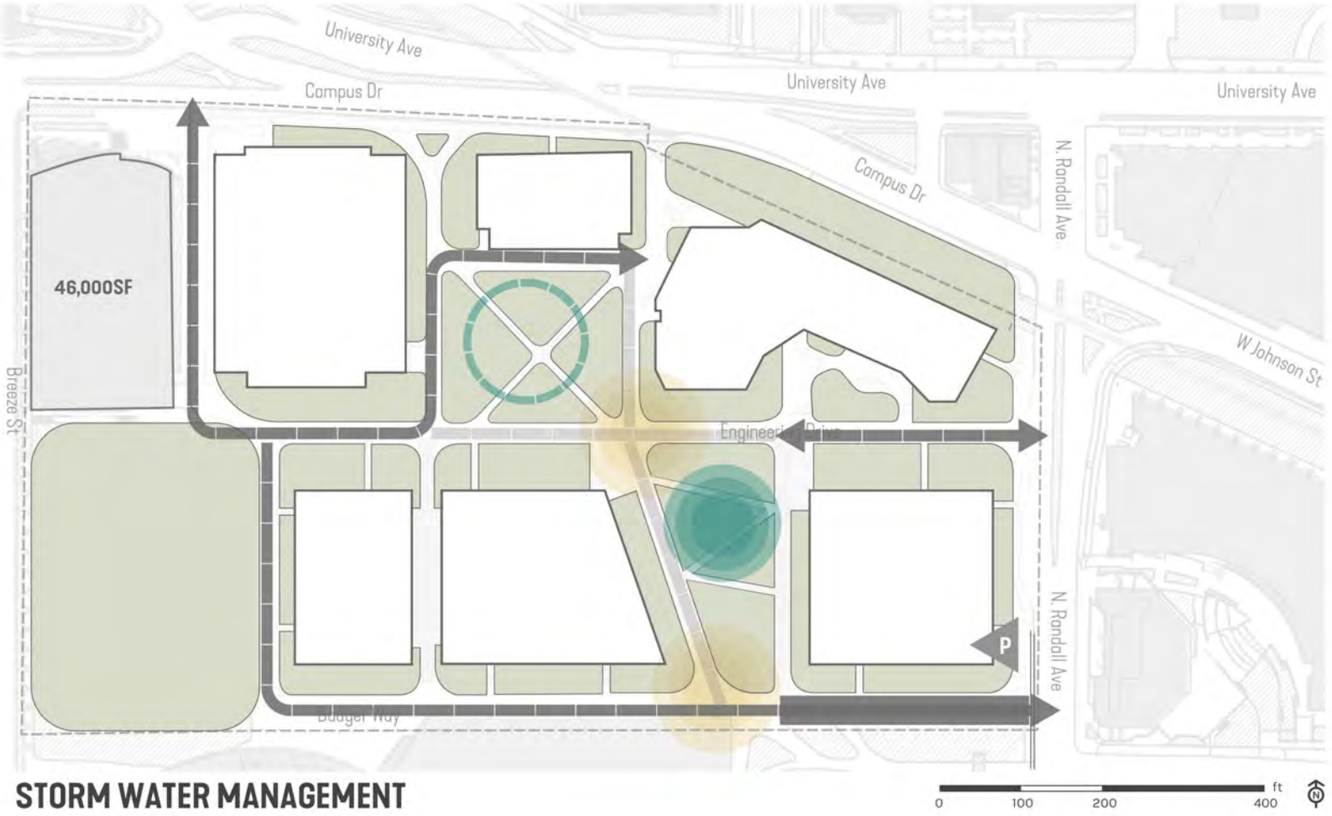


Two spaces form a modern interpretation of a quad. The southeastern space may also become a stormwater feature that highlights civil engineering

PROPOSED PLAN

DRIVERS AND SENSE OF PLACE

1. Space Needs: The Plan should meet or exceed the GSF of the 2015 plan, with minimum floorplates of about 25,000 sf
2. The plan should create sustainable and resilient solutions for the Campus
3. Circulation: The Plan should prioritize pedestrians, create adequate space for dispersed bike parking. Service access should be more evenly distributed and favor the perimeter of the site, prioritizing pedestrian space at the center.
4. Sense of Place: The Plan should create a recognizable center and sense of place for the Engineering Campus and create potential to showcase engineering.
5. **Open Space: The Plan should maintain a comparable ratio of open space to building footprint from the 2015 plan and create flexible open spaces consistent with COE needs for events along with the landscape guidelines.**
6. **Infrastructure: The plan should incorporate existing and proposed utilities and a phased approach to implementation.**

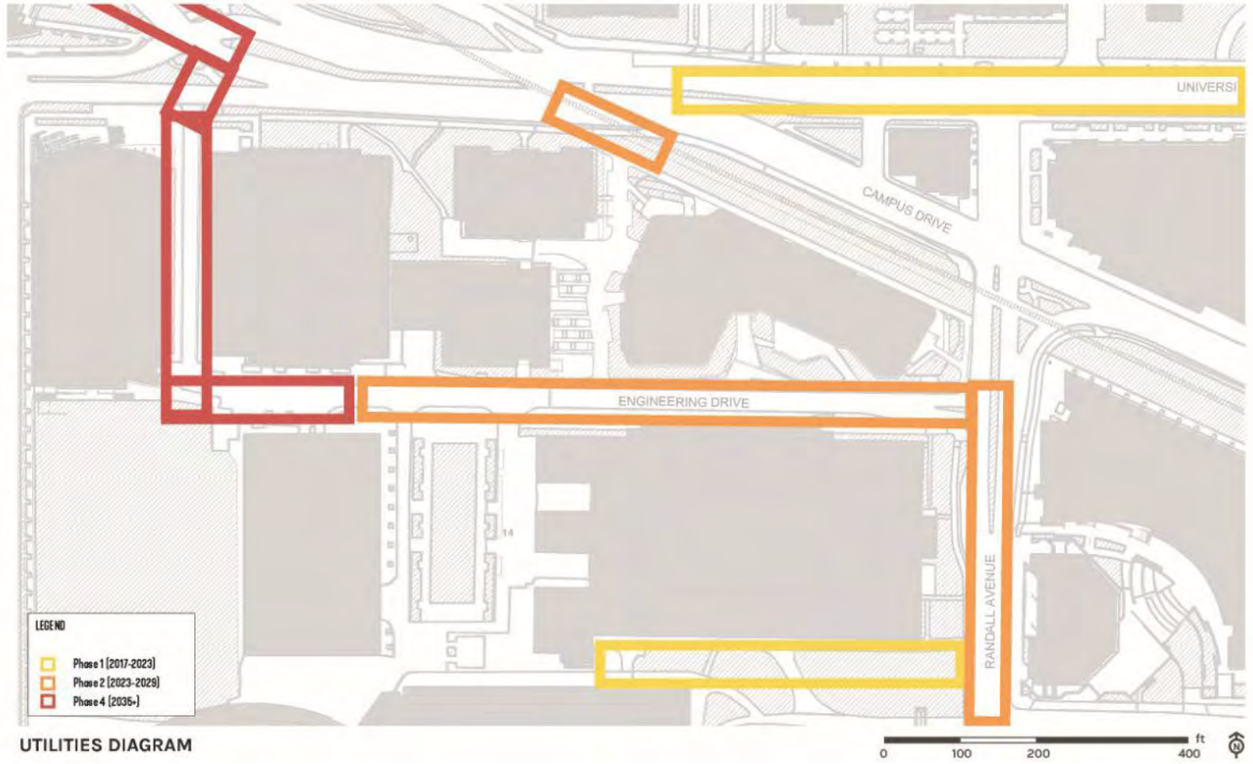


STORM WATER MANAGEMENT

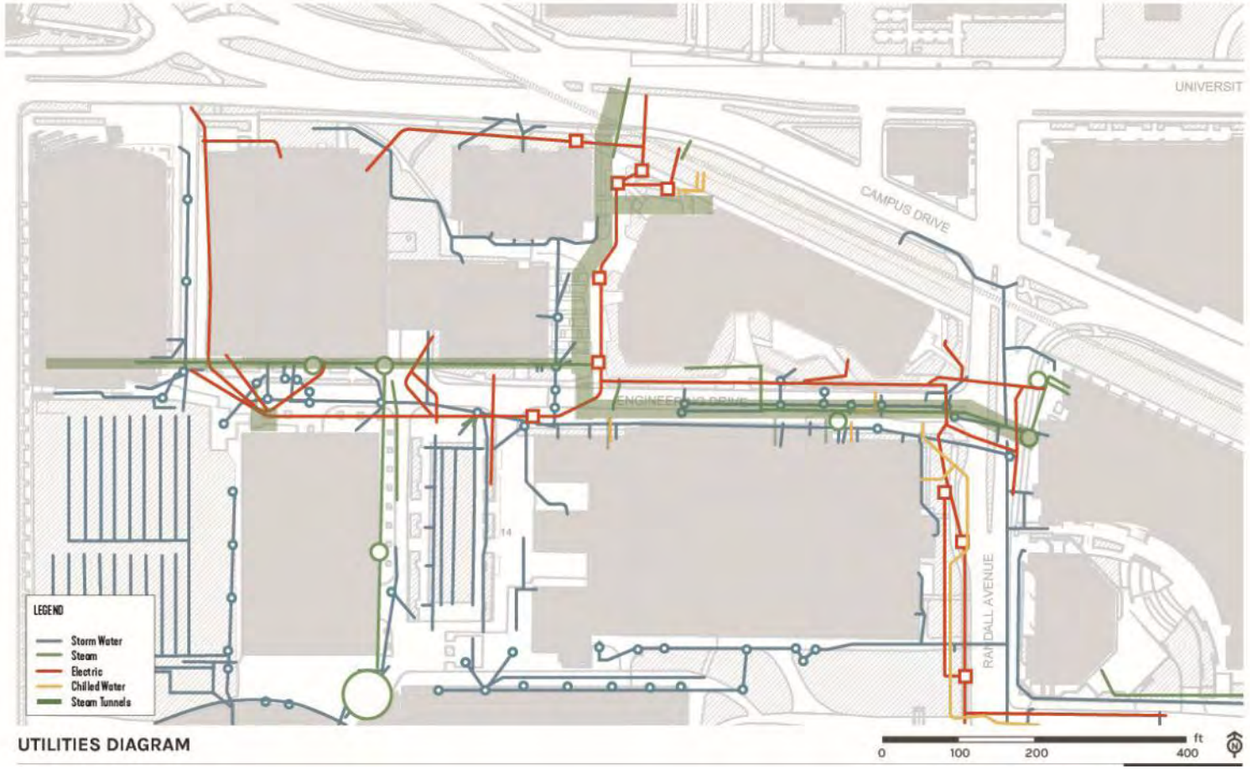
The corridors at Engineering Drive and to the south are wider to provide more space for site features, landscaping, bike parking and opening up the space .
Stormwater should be incorporated as both subsurface storage, a feature stormwater garden and with green or blue roofs throughout

UTILITIES – FOR REFERENCE

CORRIDORS PER THE 2015 PLAN



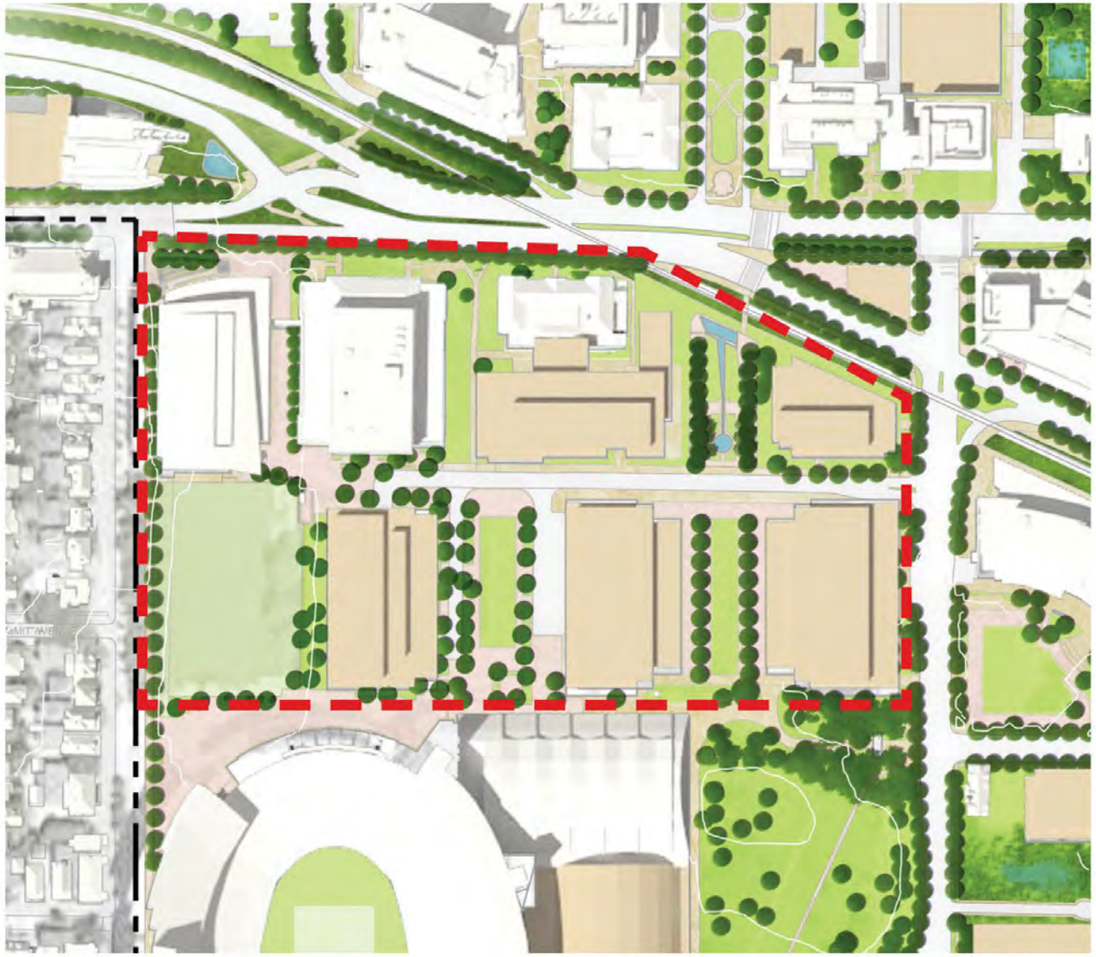
UTILITIES: STORM WATER, STEAM, ELECTRIC, CHILLED WATER DURING 2023 COE DESIGN



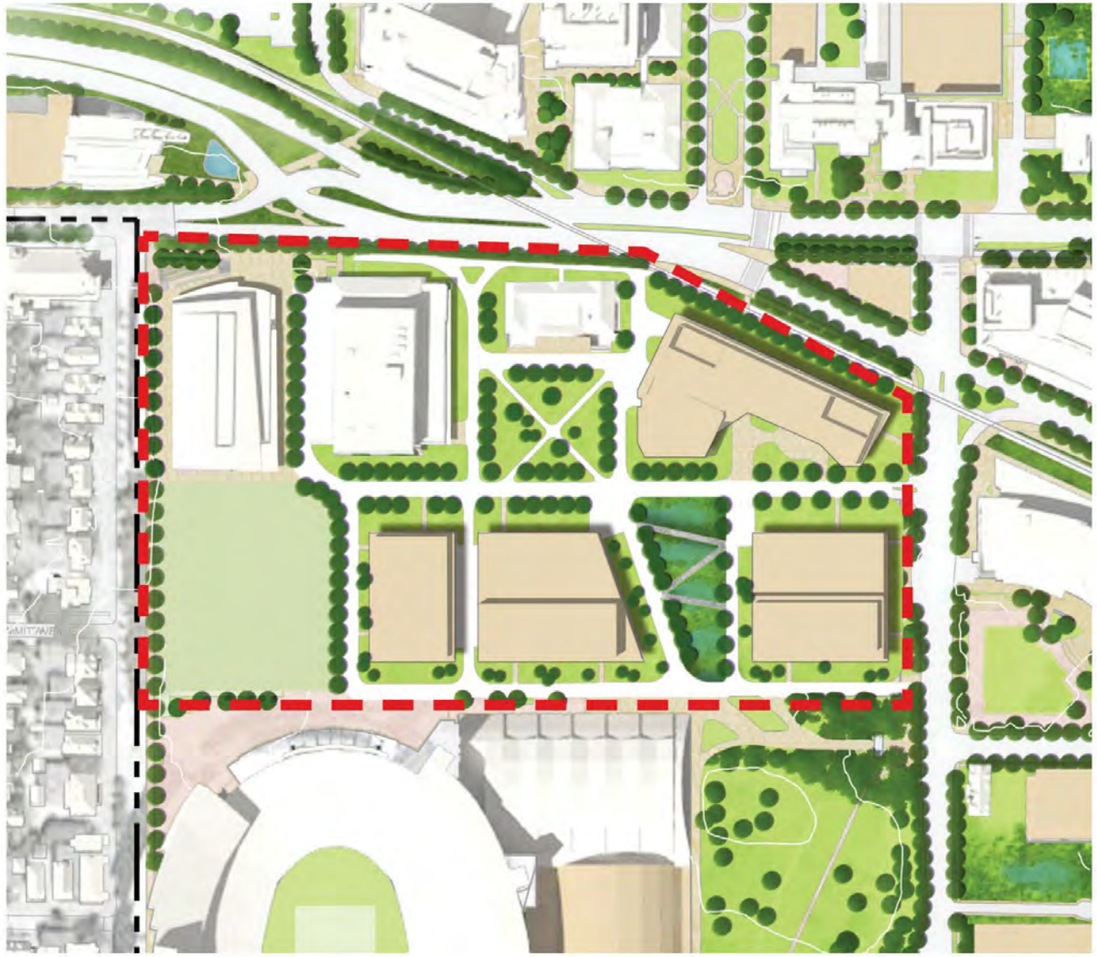
Note: The steam and chilled water lines currently east of the parking structure are radial feeds serving the Athletic Complex south of this area. They can be relocated but will need to maintain services.
The other lines between Engineering Drive and Athletics are local and can be moved as needed.

PROPOSED AMENDMENTS

OVERALL PLAN



2015 PLAN



PROPOSED PLAN

continuum ARCHITECTS + PLANNERS SMITHGROUP RING & DUCHATEAU

PLAN COMPARISON AND MODIFICATIONS

FIGURE GROUND COMPARISON

2015 Plan

OVERALL AREA: 878,000SF

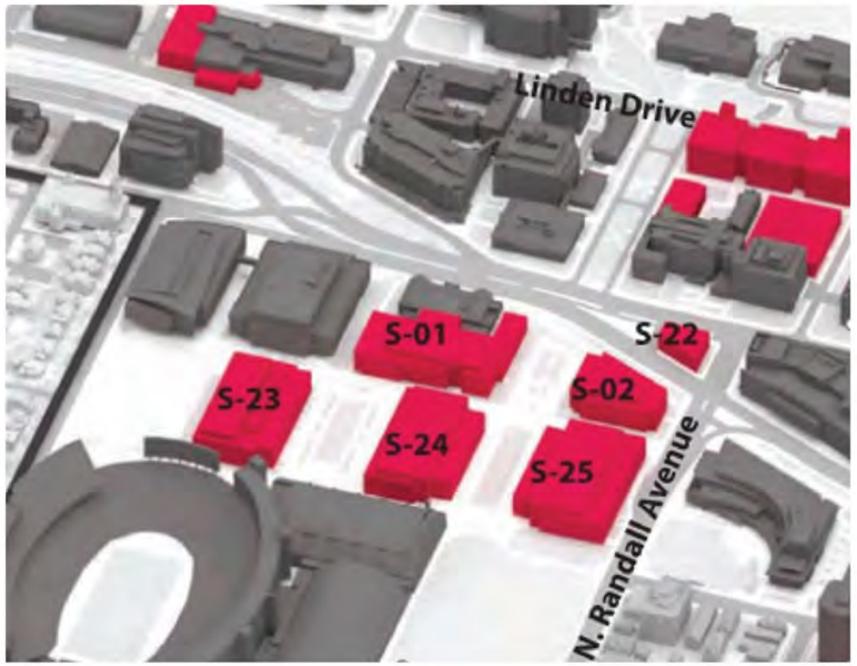
BUILDING FOOTPRINT: 351,000SF
60% OPEN SPACE

Proposed Plan

OVERALL AREA: 878,000SF

BUILDING FOOTPRINT: 322,000SF
63% OPEN SPACE

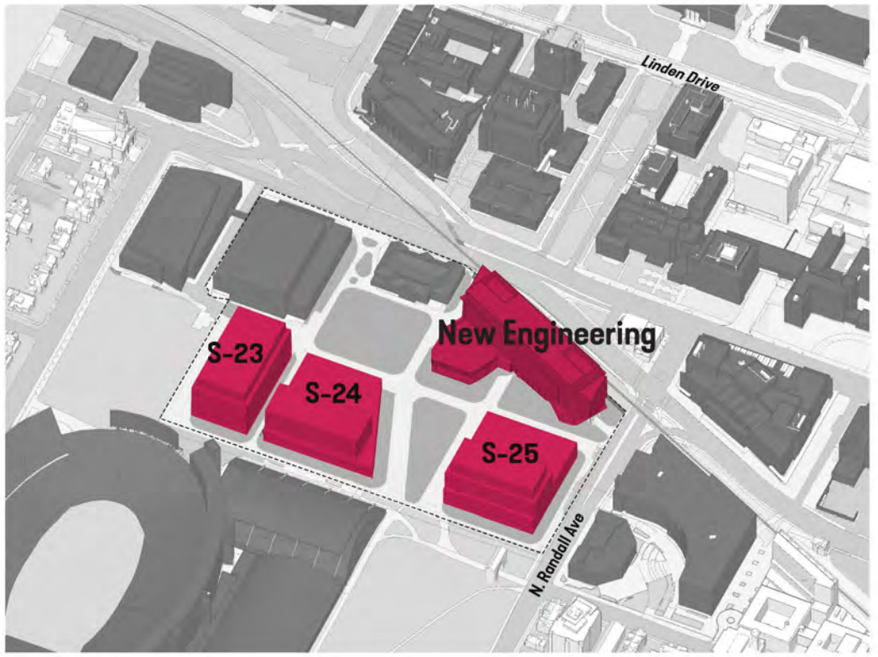
GSF AND FAR COMPARISON



2015 PLAN

S-01+02: 441,000
S-23: 204,000
S-24: 237,000
S-25: 170,000

OVERALL: 1,052,000GSF



PROPOSED PLAN

New Engineering: 385,000GSF
S-23: 228,000GSF
S-24: 196,000GSF
S-25: 248,000GSF

OVERALL: 1,057,000GSF

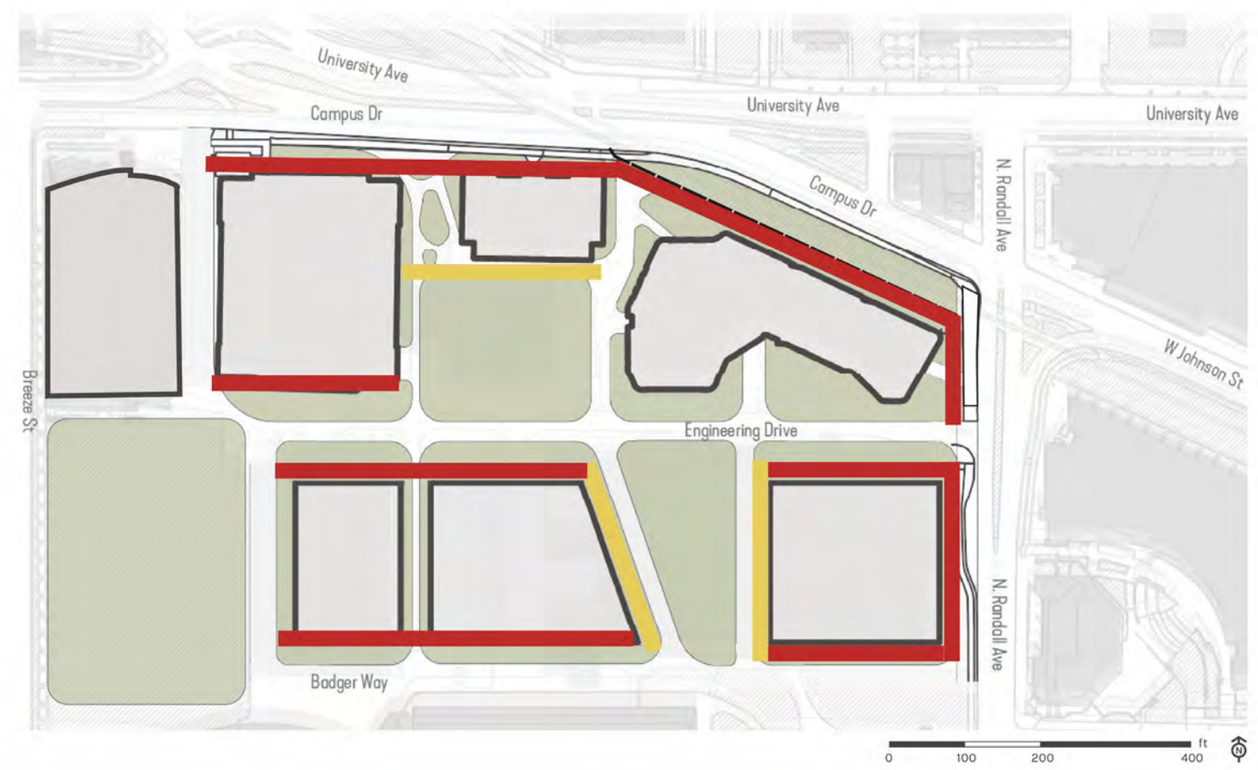
SOUTH CAMPUS 2015
Total Building GSF: 9,582,435
Total District GSF: 6,687,740
Floor Area Ratio: 1.43

SOUTH CAMPUS PROPOSED
Total Building GSF: 9,587,435
Total District GSF: 6,687,740
Floor Area Ratio: 1.43

PROPOSED AMENDMENTS

BUILD TO LINES

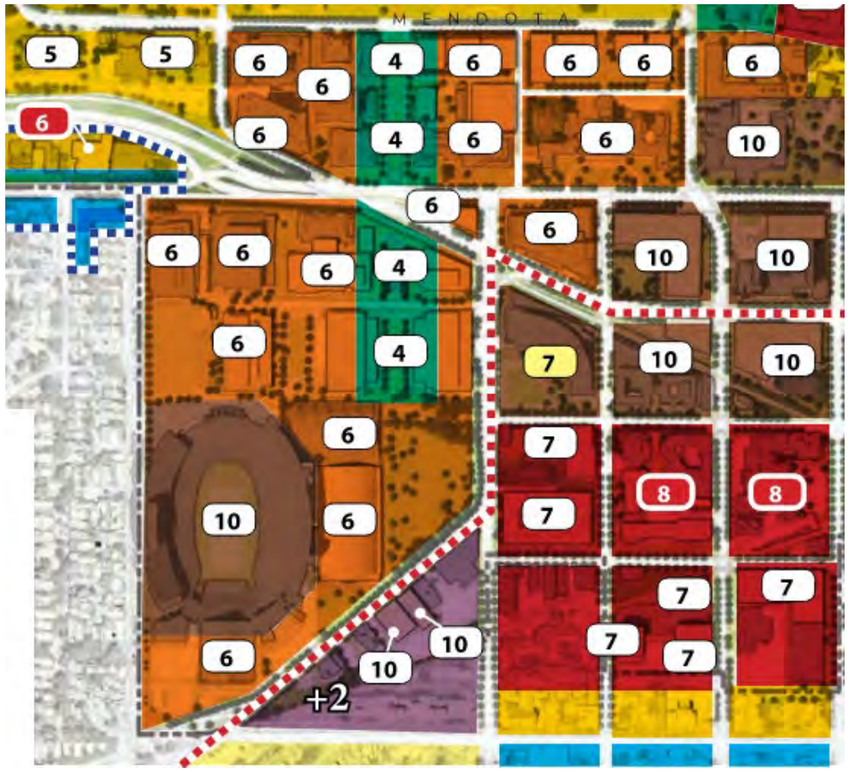
2015 PLAN



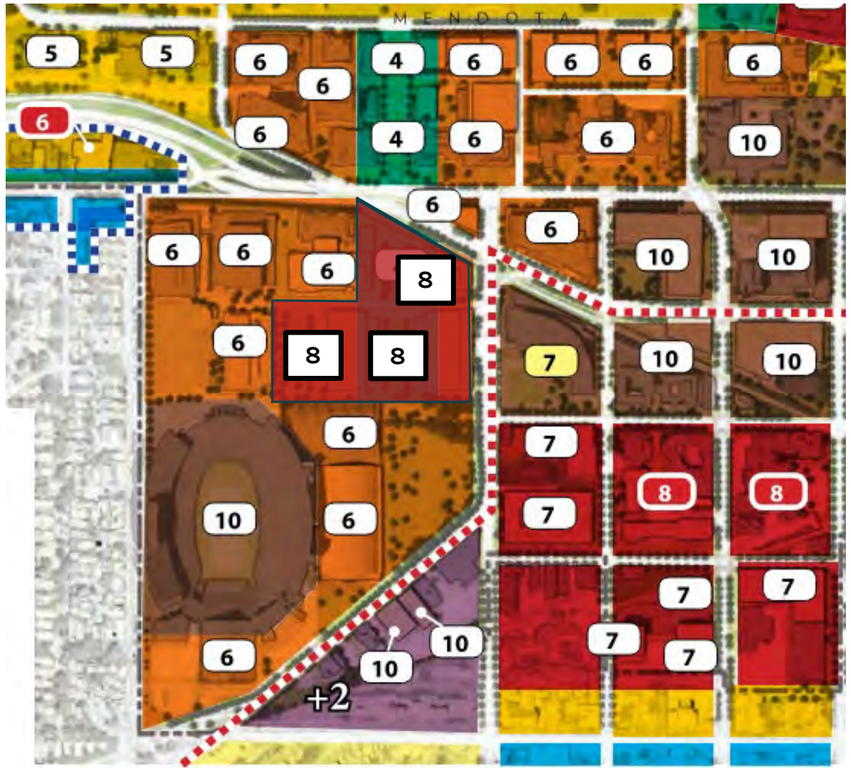
PROPOSED PLAN

PROPOSED AMENDMENTS

ZONING/HEIGHT



2015 PLAN



PROPOSED

University Avenue Corridor Plan

Adopted May 6, 2014 #32635

- 4 Stories: 41-60'
- 5 Stories: 60+'

Regent Street - South Campus Neighborhood Plan

Adopted July 1, 2008 #09234

- 3 Stories: 46'
- 4 Stories: 60'
- 6 Stories: 88'
- 8 Stories: 116'
- 10 Stories: 144' (+2 bonus for LEED)
- 12 Stories: 172'
- 8 Stories Regent Plan / 12 Stories Downtown Plan*

*More recent plan takes priority

City of Madison Downtown Plan

Adopted July 17, 2012 #24468

- 4 Stories: 44-60'
- 6 Stories: 64-88'
- 8 Stories: 84-116'
- 10 Stories: 104-144'
- 12 Stories: 124-172'
- 8 Stories Regent Plan / 12 Stories Downtown Plan

*More recent plan takes priority

UW-Madison Campus Master Plan

- 2 Stories: 28-34'
- 3 Stories: 45-51'
- 4 Stories: 60-68'
- 5 Stories: 75-85'
- 6 Stories: 90-102"
- 7 Stories: 105-119'
- 8 Stories: 120-136'
- 9 Stories: 135-153'
- 10 Stories: 150-170'

continuum ARCHITECTS + PLANNERS SMITHGROUP RING & DUCHATEAU

PROPOSED AMENDMENTS

BUILD TO LINES

8. SOUTH CAMPUS NEIGHBORHOOD															
Street Name	Description	Corridor Width*	Proposed Corridor Width	Orientation	Build-to Line[1]	Proposed Build-to Line	RSSC Setback	Building Ht. Max [Min]	Proposed Building Ht. Max (Min)	RSSC Ht. Max [Min]	Step Back Req'ts	Proposed Step Back Req'ts	RSSC Step Back Req'ts	Stormwater[2]	Proposed Stormwater
Campus Drive	West edge to University (incld. RR)	156'	156'	S (W/E)	20'	20'		6 [3]	8 (4)		None	None		NO	NO
Engineering Drive	Lot 17 to N. Randall Ave.	64'	109'	N	25'	0		4|6 [3]	8 (4)		None	None		YES	NO
				S	20'			4|6 [3]	8 (2)		4th - Min. 15'	4th and Above - Min		YES	NO
N. Randall Avenue	University Ave. to W. Dayton St.	66'	66'	W	35'	20'		6 - 102' [3]	8 (2)		None	None		NO	NO
				E	25'	25'	10'	10 - 120' [3]	10 - 120' (3)	12 [3]	4th - Min. 15'	4th & Above - Min. 15'	6th - 15'	NO	NO

RSSC = Regent Street-South Campus Neighborhood Plan

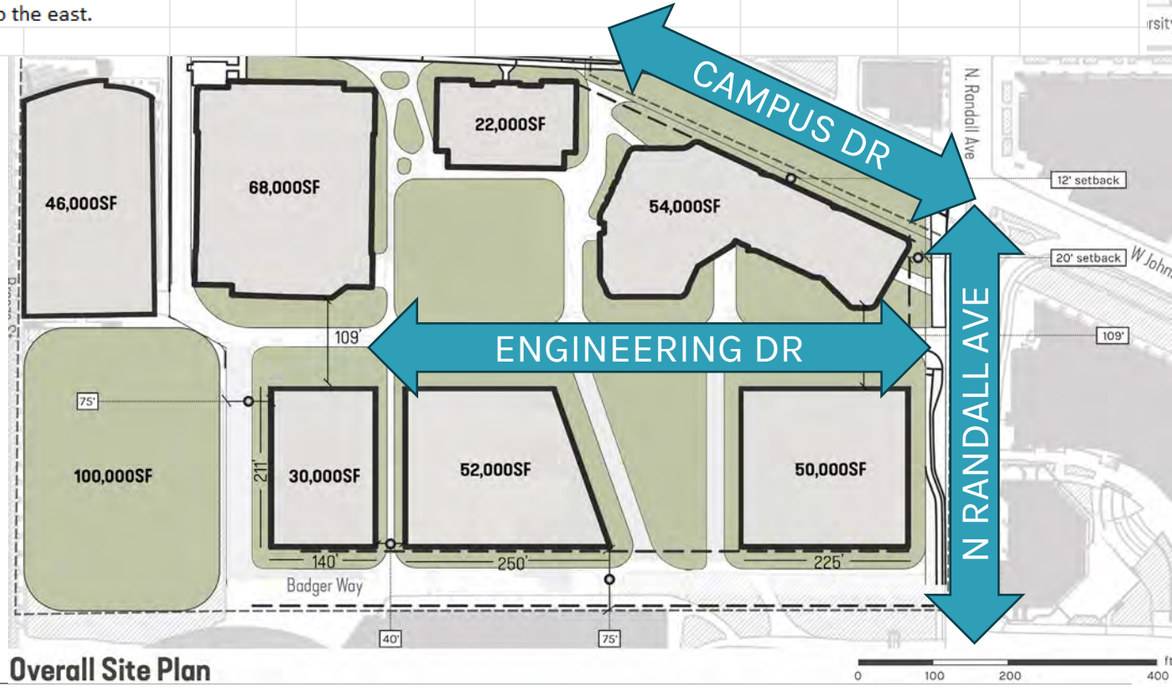
* Corridor Width = Right-of-way width or if no right-of-way, back of sidewalk to back of sidewalk where right-of-way would typically be located.

[1] Right-of-way line or in the case of no right-of-way, the distance from back of sidewalk.

[2] Does the terrace condition support green infrastructure as part of the development of this area of street?

[3] New development shall relate to First Congretional Church at the southwestern corner of University and Breese, with preservation of the sightline to the east.

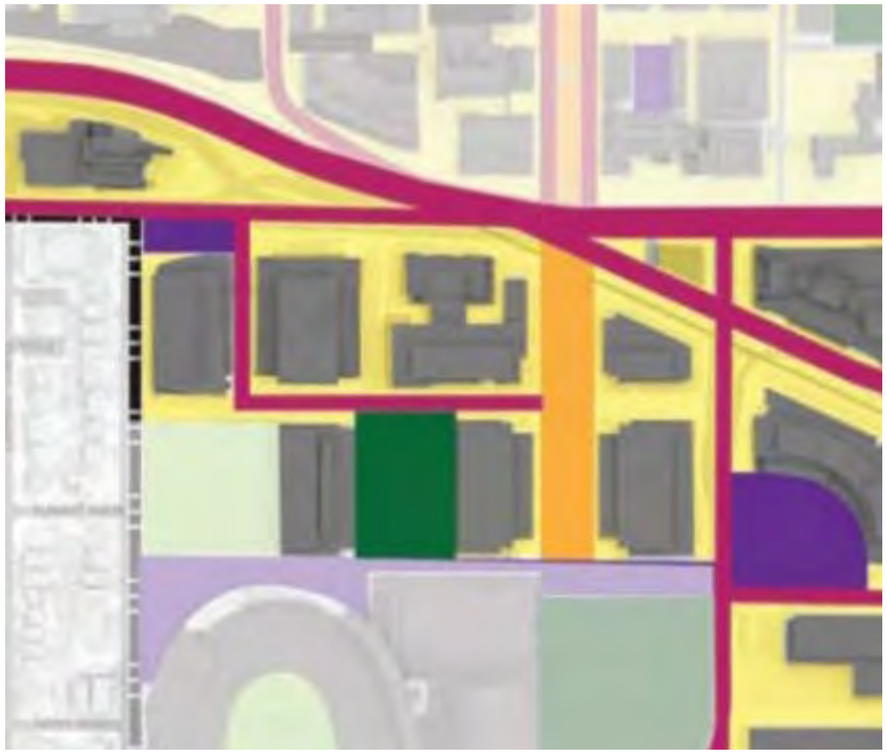
(6th/15' means above 6th floor step 15')



Overall Site Plan

LANDSCAPE GUIDELINES

PROPOSED CHANGE



2015 PLAN

PROPOSED PLAN

- Campus Greens
- Courtyards, Plazas, & Gardens
- Campus Fabric
- Naturalized Landscapes
- Streetscapes
- Parking and Service

RENDERING

2015 PLAN

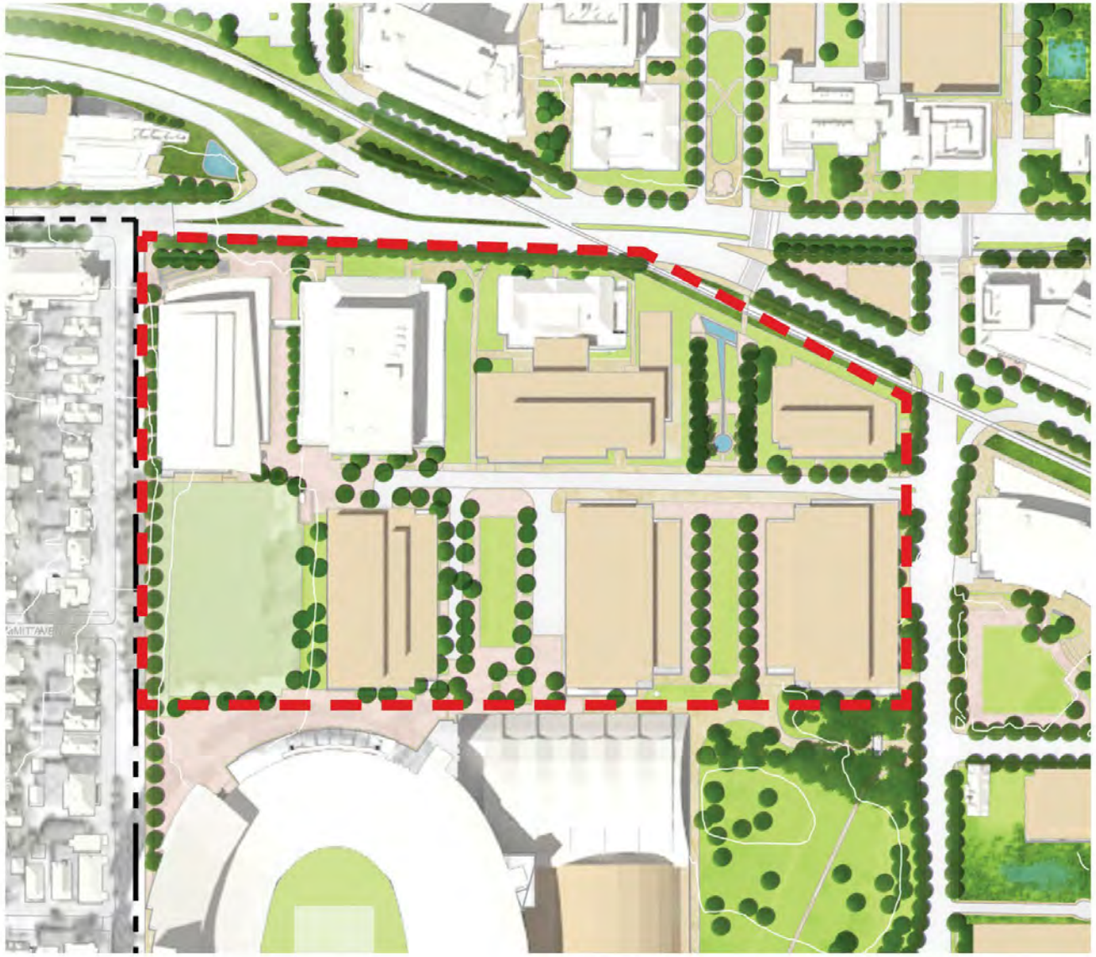
PROPOSED PLAN

RENDERING

PROPOSED PLAN

PROPOSED AMENDMENTS

OVERALL PLAN



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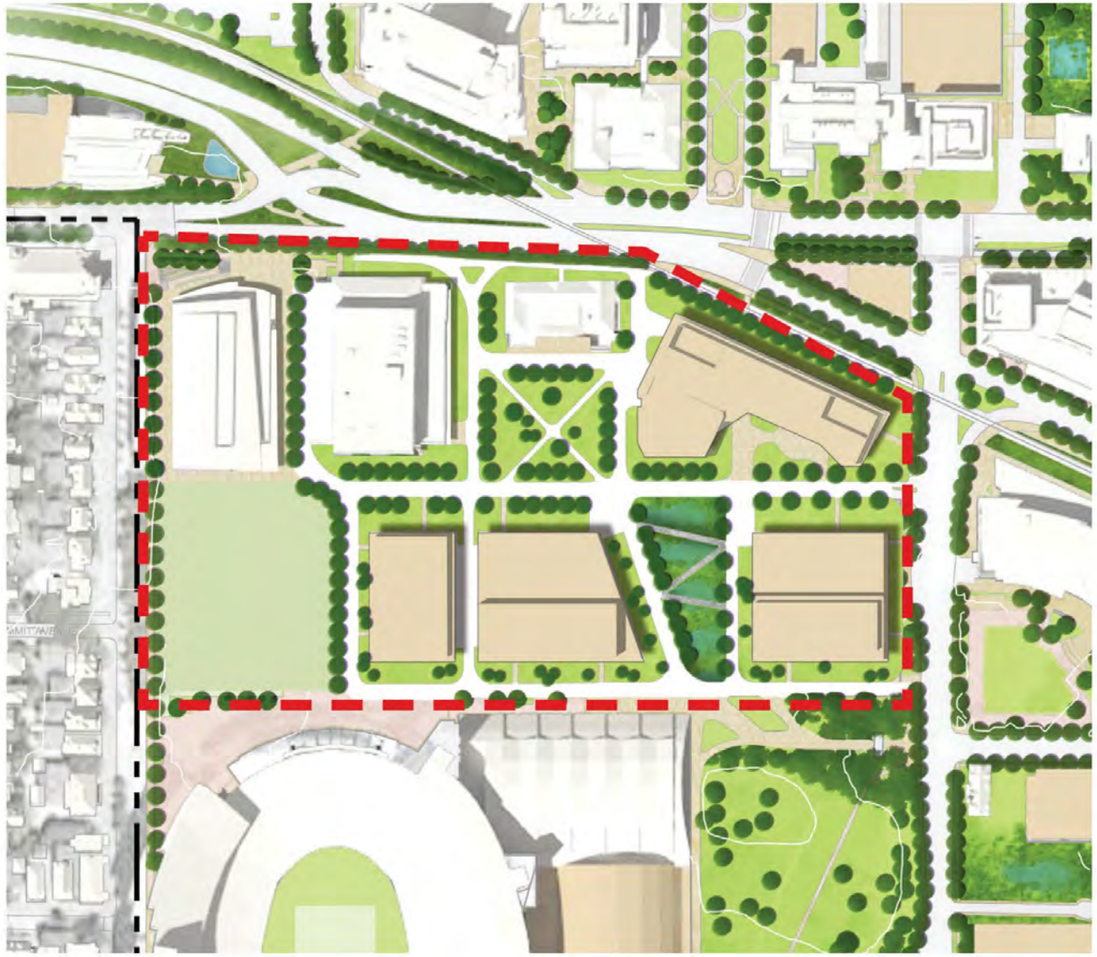

PROPOSED PLAN