



Flad



WISCONSIN
UNIVERSITY OF WISCONSIN-MADISON



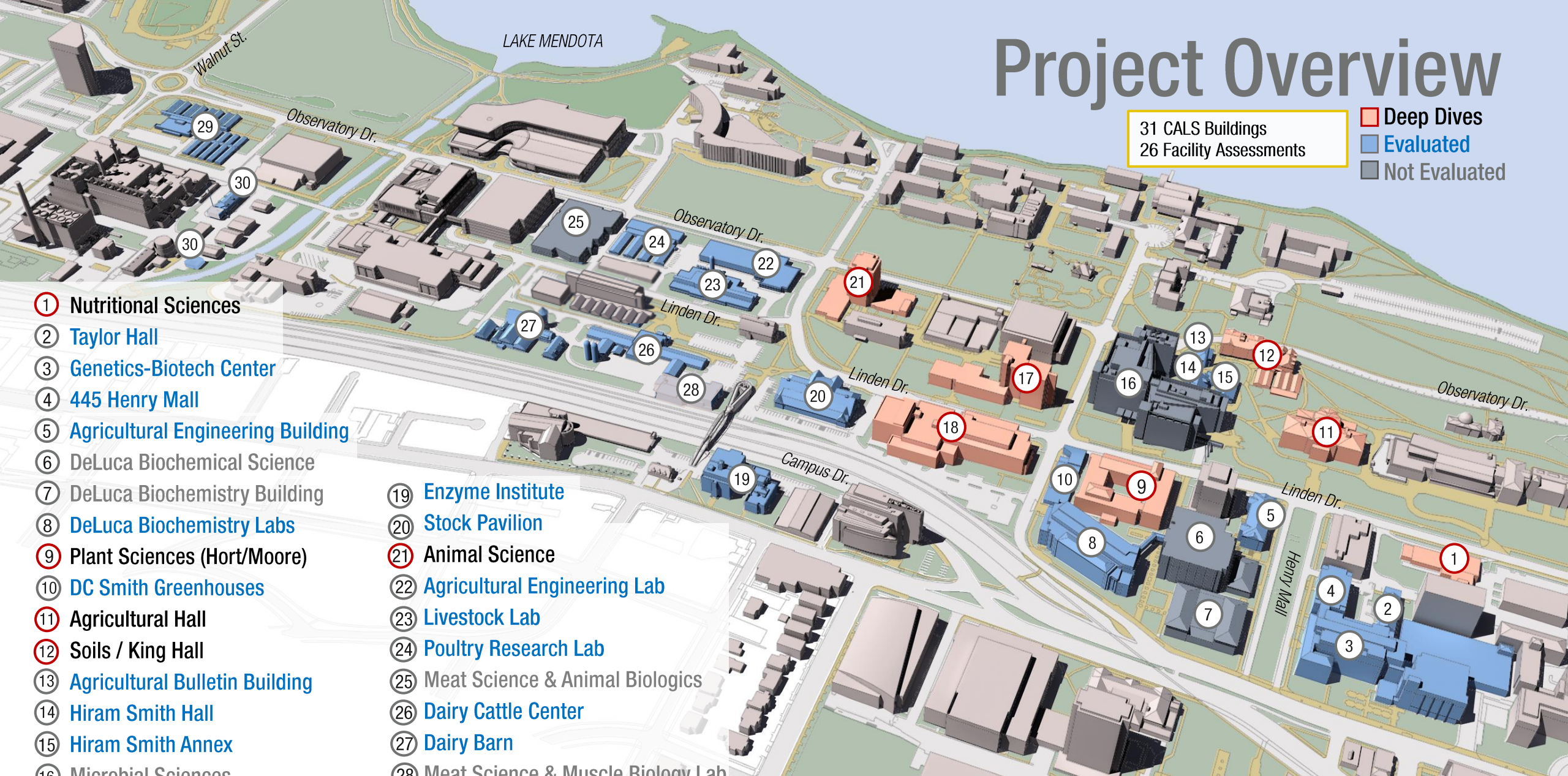
CALS Facilities Master Plan
UW-Madison Project #9950-2101
UWSA Project #A-21-005

**Joint Campus Area
Committee**
June 22, 2023

Project Overview

31 CALS Buildings
26 Facility Assessments

- Deep Dives
- Evaluated
- Not Evaluated



- ① Nutritional Sciences
- ② Taylor Hall
- ③ Genetics-Biotech Center
- ④ 445 Henry Mall
- ⑤ Agricultural Engineering Building
- ⑥ DeLuca Biochemical Science
- ⑦ DeLuca Biochemistry Building
- ⑧ DeLuca Biochemistry Labs
- ⑨ Plant Sciences (Hort/Moore)
- ⑩ DC Smith Greenhouses
- ⑪ Agricultural Hall
- ⑫ Soils / King Hall
- ⑬ Agricultural Bulletin Building
- ⑭ Hiram Smith Hall
- ⑮ Hiram Smith Annex
- ⑯ Microbial Sciences
- ⑰ Russell Laboratories
- ⑱ Babcock Hall
- ⑲ Enzyme Institute
- ⑳ Stock Pavilion
- ㉑ Animal Science
- ㉒ Agricultural Engineering Lab
- ㉓ Livestock Lab
- ㉔ Poultry Research Lab
- ㉕ Meat Science & Animal Biologics
- ㉖ Dairy Cattle Center
- ㉗ Dairy Barn
- ㉘ Meat Science & Muscle Biology Lab
- ㉙ Walnut St. Greenhouses
- ㉚ Hort Annex and Carrot & Beet Lab

Project Vision & Goals

Project Vision

Strategically align CALS facilities resources for the changing future to best position the college to develop the next generation of researchers & practitioners - by enhancing the college's ability to advance scientific discovery; foster student-centered innovative teaching and experiential learning; and enrich outreach to communities, organizations and top industries in Wisconsin and beyond.

Guiding Principles

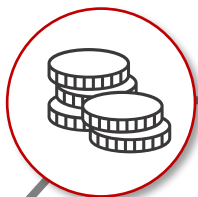
Foster a Welcoming & Inclusive Community

CULTURE & ACCESS



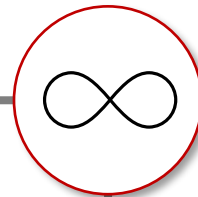
Demonstrate a Spirit of Stewardship

SUSTAINABILITY OF RESOURCES



Plan for Resilience & Change

FLEXIBLE & ADAPTABLE



Reinforce a Network of Knowledge

PARTNERSHIPS



Create a Vibrant Sense of Place

UNITY & COHESION



Strengthen CALS Integrated Mission

FUTURE FORWARD

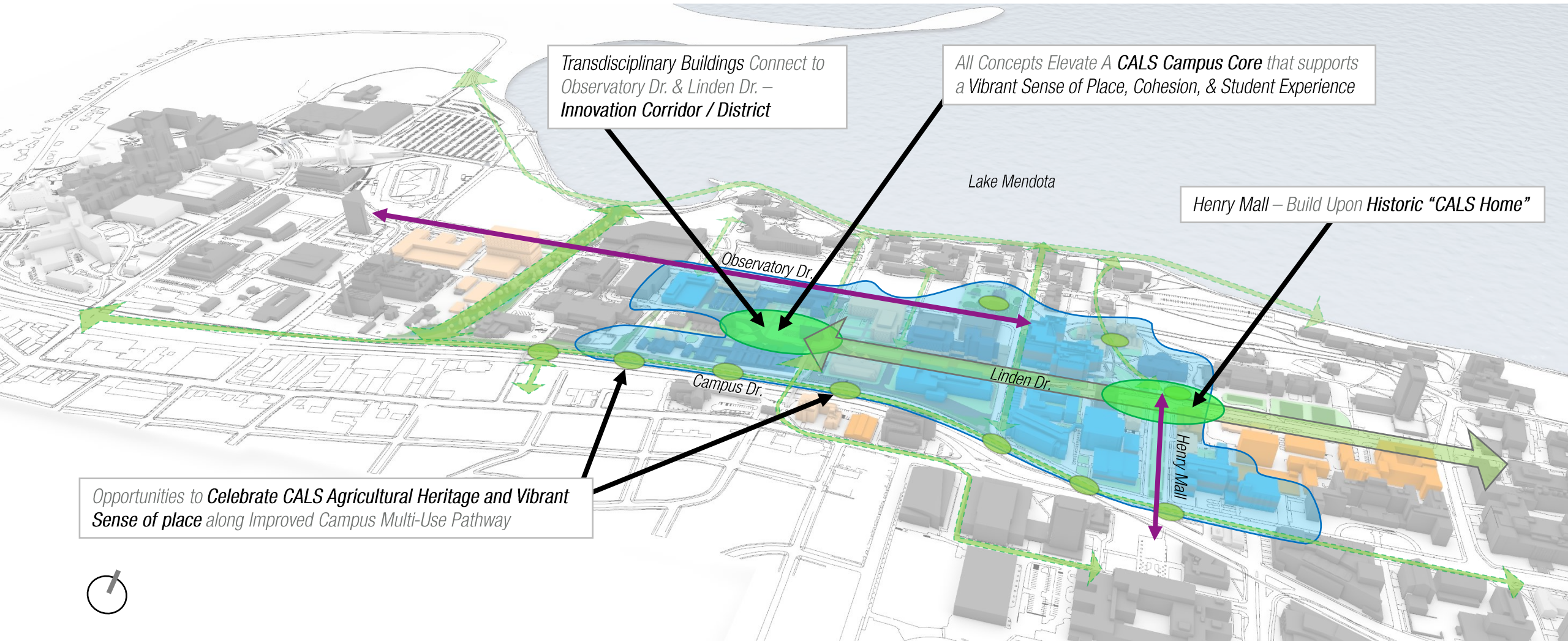


CALS Priorities for Implementation

Scenario Implementation Priorities	Order of Priority
<ul style="list-style-type: none"> • Create a ‘home’ for undergraduate students in Agricultural Hall. <i>Repurpose space vacated by the Department of Planning & Landscape Architecture and improve public spaces on L1 and L2 for Student Center and enhanced student experience</i> 	1
<ul style="list-style-type: none"> • Consolidate CALS research space and divest poor quality / under- performing space. <i>Renovate Russell Laboratories and construct west wing addition for modern, flexible research space to accommodate a wide range of CALS research needs</i> 	2
<ul style="list-style-type: none"> • Modernize greenhouses to meet needs as shared resource for CALS and campus partners. <i>Relocate greenhouses from Walnut Street to ROTC / Poultry Research Laboratory site</i> 	3
<ul style="list-style-type: none"> • Develop an Agricultural & Life Sciences research hub to promote transdisciplinary research and discovery. <i>Construct new, shared research facility adjacent to new greenhouse location</i> 	4
<ul style="list-style-type: none"> • Vacate poor quality space in the existing Nutritional Sciences Building. <i>Relocate program to optimize access to shared resources and synergies within the Life Sciences domain</i> 	5
<ul style="list-style-type: none"> • Address remaining improvements required for Agricultural Hall to fully realize the facility’s landmark status and display the enduring quality of CALS. <i>Renovate interior and exterior spaces and systems not addressed in priority 1</i> 	6
<ul style="list-style-type: none"> • Combine large animal teaching and research in one centralized experiential learning and discovery center. <i>Consolidate the Dairy Cattle Center, Poultry Research Lab and Livestock Lab functions in one new facility.</i> 	7
<ul style="list-style-type: none"> • Develop a new Food and Agricultural Systems / Interdisciplinary Sciences Building. <i>Address research space needs for functions currently housed in the Animal Science Building</i> 	8

Note: Class labs and general assignment classrooms will be coordinated as facilities are renovated / replaced

Visioning Guiding Principles



Transdisciplinary Buildings Connect to Observatory Dr. & Linden Dr. – Innovation Corridor / District

All Concepts Elevate A CALS Campus Core that supports a Vibrant Sense of Place, Cohesion, & Student Experience

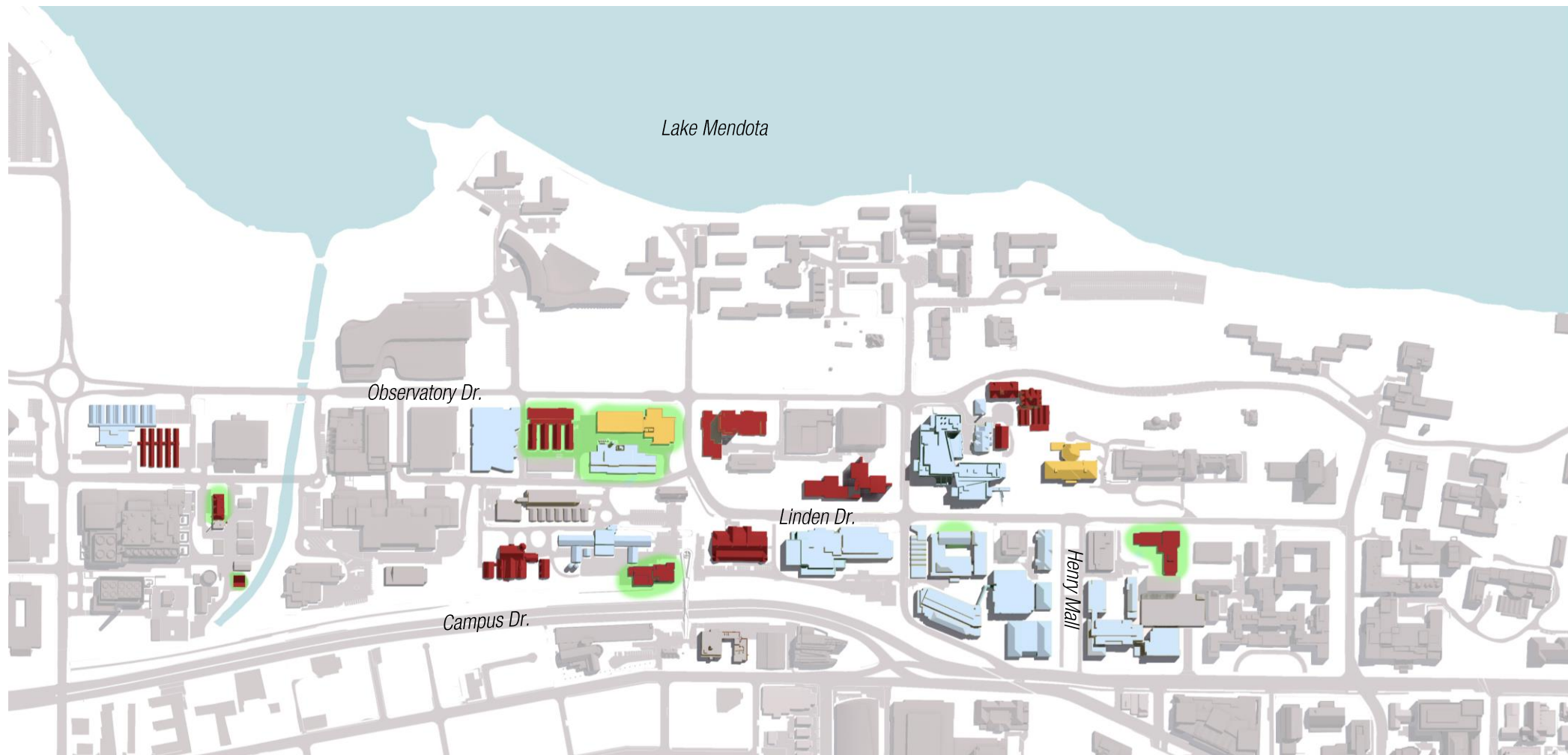
Henry Mall – Build Upon Historic “CALS Home”

Opportunities to Celebrate CALS Agricultural Heritage and Vibrant Sense of place along Improved Campus Multi-Use Pathway



Facility Quality

Buildings with Overall FQI greater than 0.70, or those with heightened attention relative to investment for continued use, considering removal, replacement, or alternate use



LEGEND

- FQI > .70
- FQI ≈ .70
- FQI < .70

BUILDING
SLATED FOR
DEMOLITION IN
2015
MASTERPLAN

0' 120'



Flad Historic Building Considerations



CALS Sequencing Priorities: Phased Timeline

Near-Term Priorities
2023-2029 Biennia

P-1
Ag Hall Student
"Home"

P-2
Renovate &
Expand Russell



Mid-Term Priorities
2029-2037 Biennia

P-3
Greenhouse
Relocation

P-4
Ag & Life
Sciences
Research Hub

P-5
Relocate
Nutritional
Sciences



Long-Term Priorities
2037+

P-6
Ag Hall Landmark
Status

P-7
Combination
Large Animal
Center

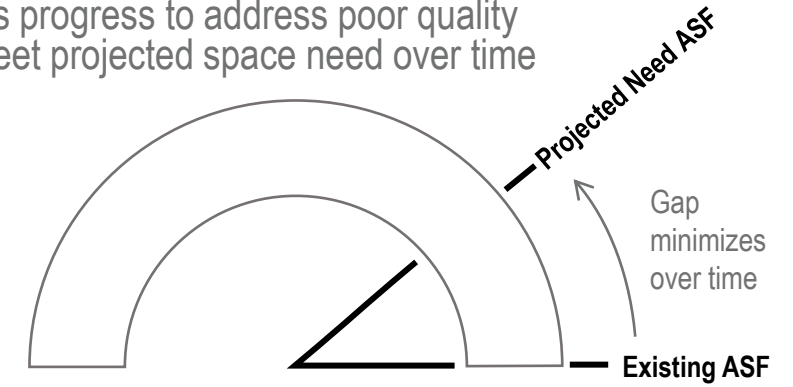
P-8
Interdisciplinary
Science
Building



Graphic & Data Orientation

Space Quantity & Quality

Demonstrates progress to address poor quality space and meet projected space need over time



- ASF At or Above FQI Threshold (Poor Quality)
- ASF Below FQI Threshold
- ASF New or Renovated

Site Plan Legend

Demonstrates transition of facilities occupied by CALS with overlay of significant planning influences

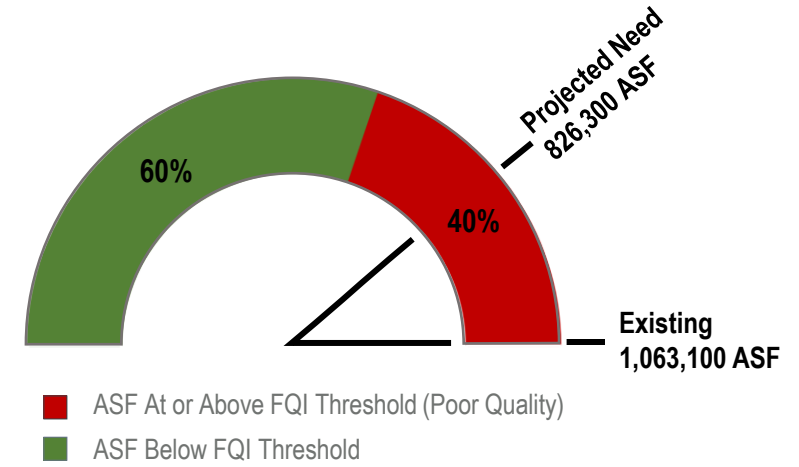
- New and Renovated CALS Buildings
- Existing CALS Buildings
- CALS Buildings Slated for Demolition in CALS Masterplan
- Non-CALS Buildings Slated for Demolition in 2015 Masterplan
- Non-CALS Campus Opportunities
- Non-CALS Existing Campus Buildings
- Proposed Demolished for Highest and Best Use

Site Plan

Demonstrates physical planning, facility and site changes over time



Planning Base



- Existing CALS Buildings
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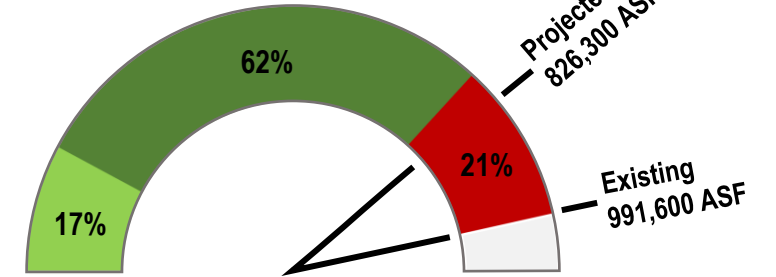
Lake Mendota

Near-Term 2023-2029

West Campus Masterplan Buildout

Consolidation of Environmental Systems

Russell Laboratories West Wing Demolition Followed By Full Renovation and Expansion



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- ASF Below FQI Threshold
- ASF New or Renovated

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Lake Mendota

Observatory Dr.
Linden Dr.
Campus Dr.

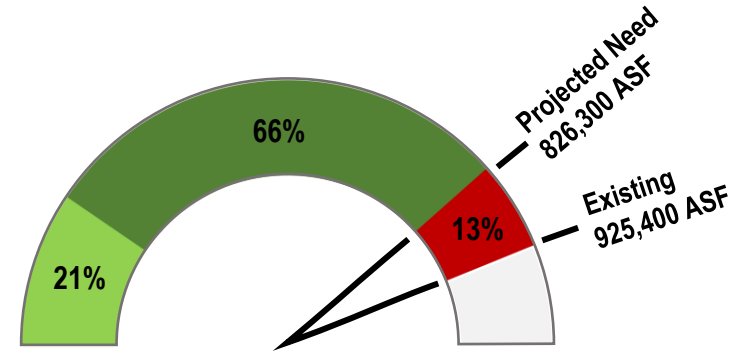
Linden Dr.

Henry Mall

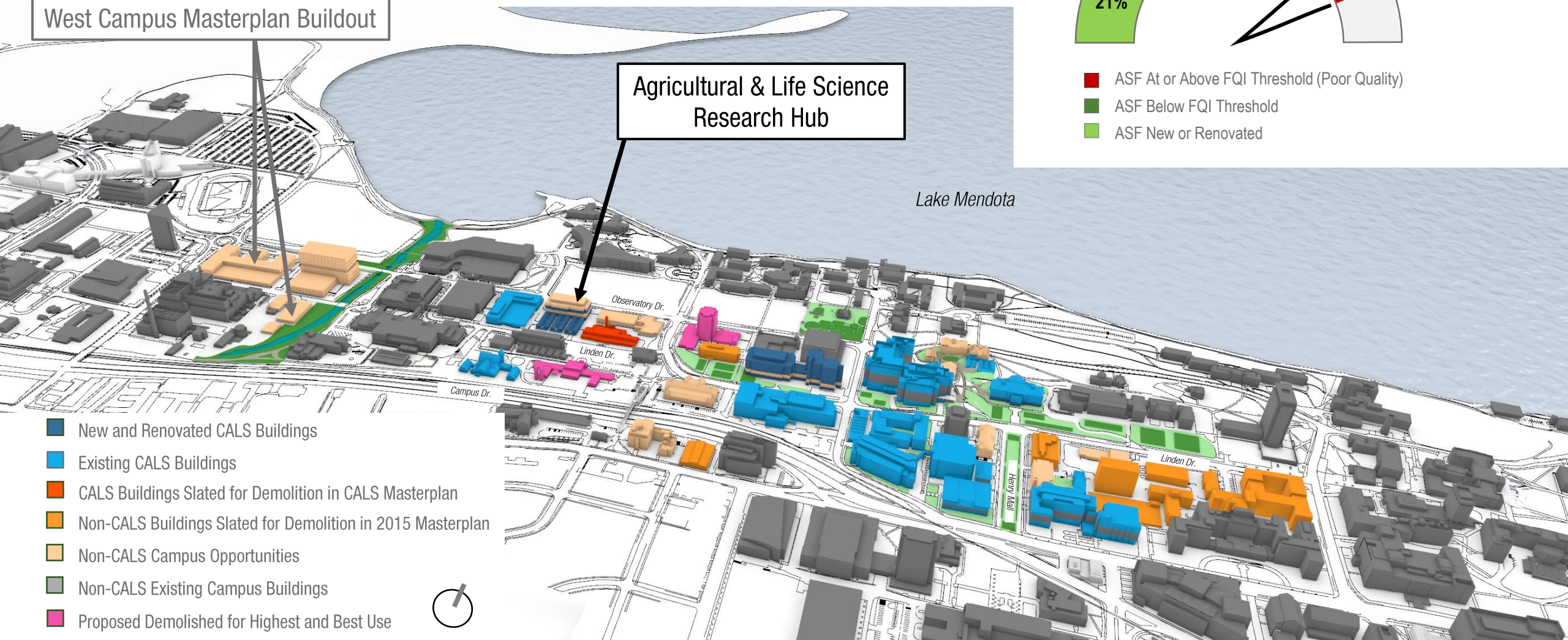
Mid-Term 2029-2037

West Campus Masterplan Buildout

Agricultural & Life Science Research Hub



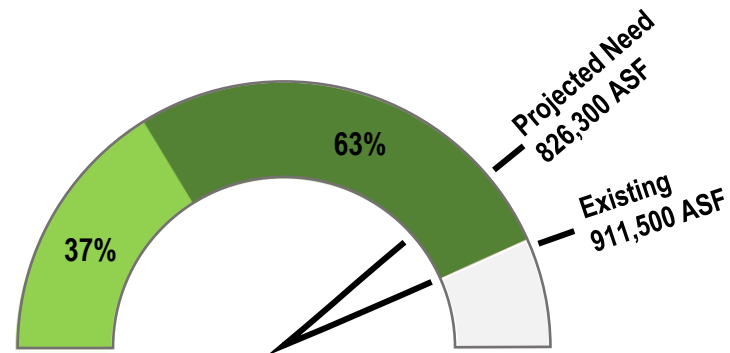
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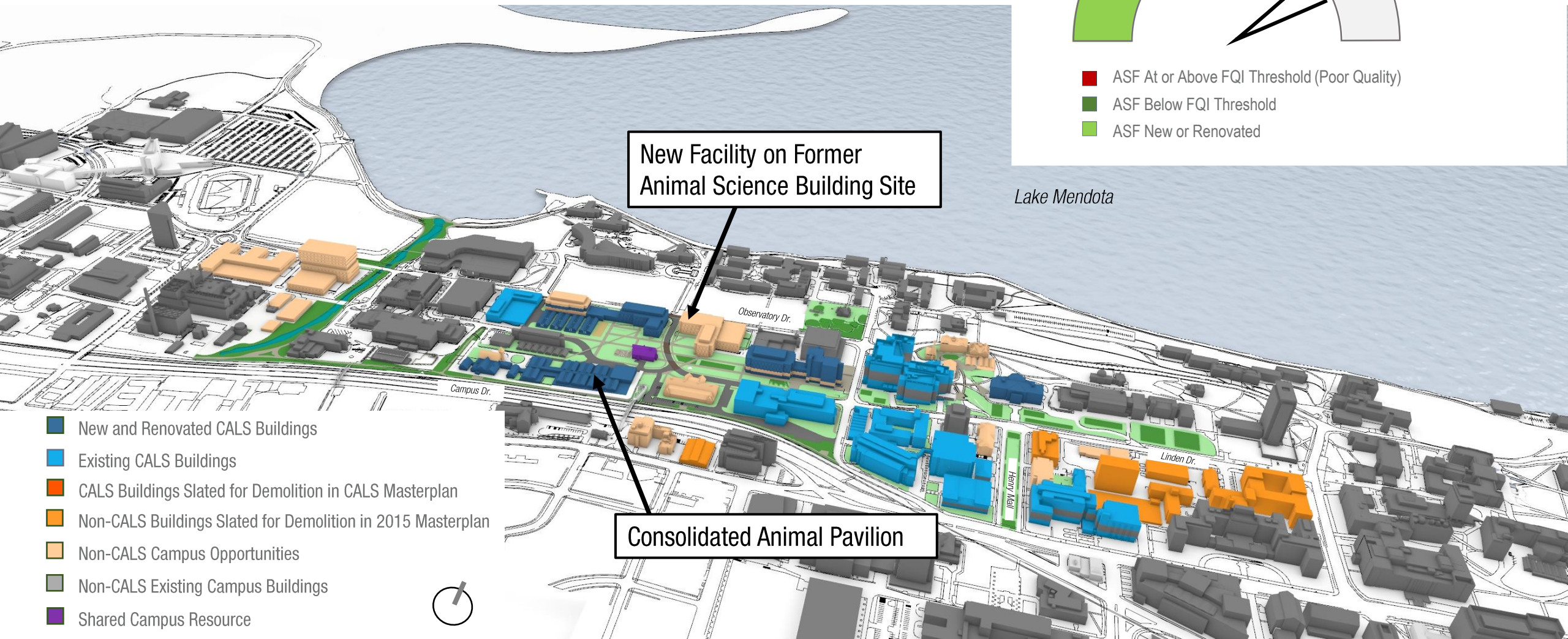
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Long-Term 2037+



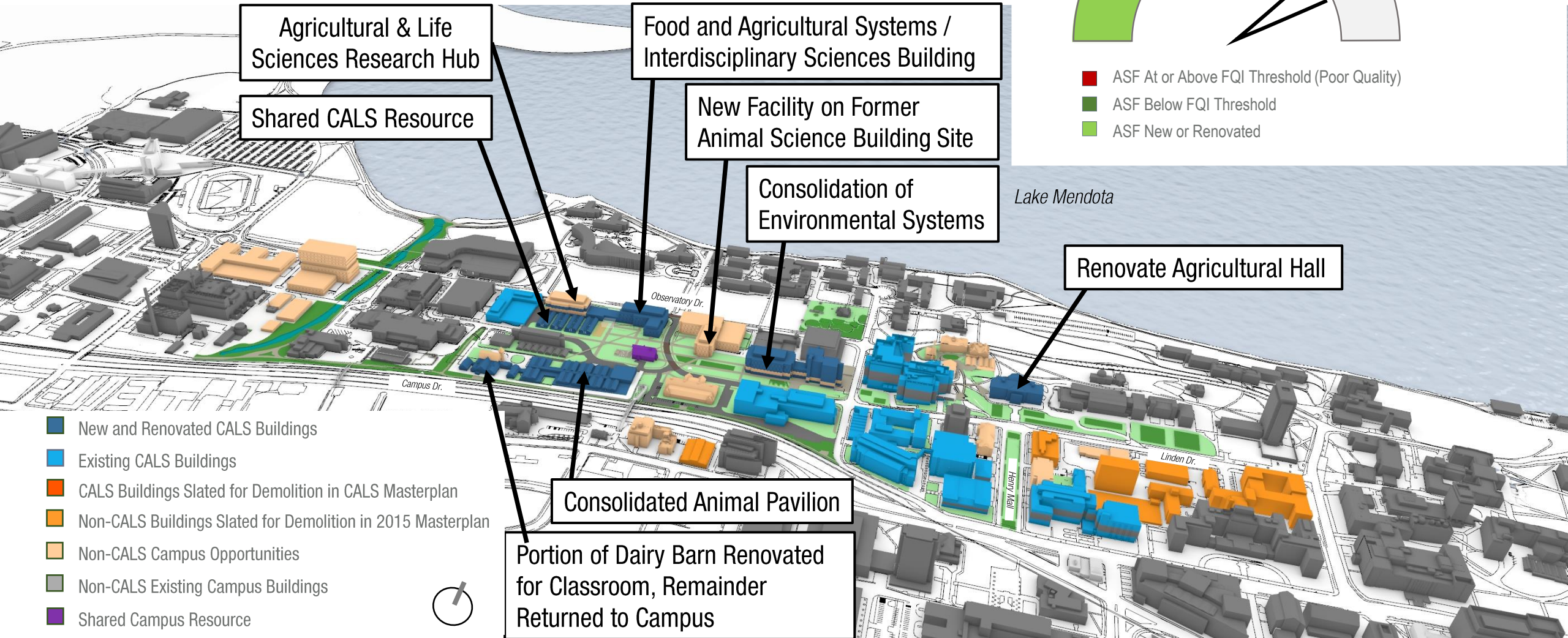
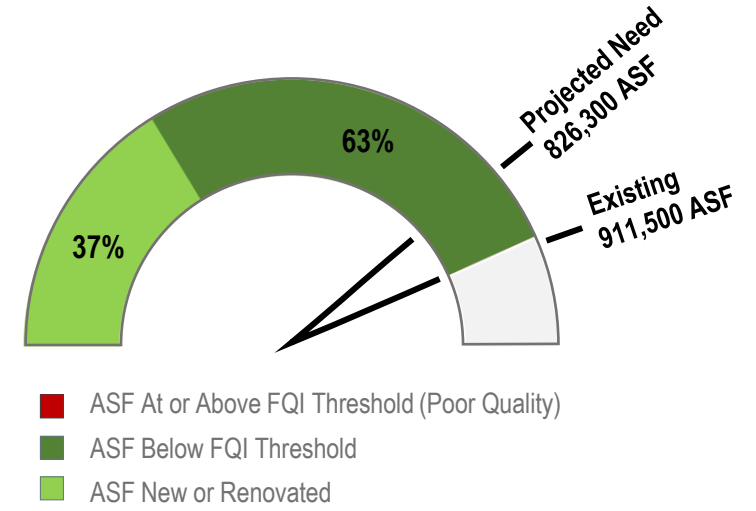
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- Non-CALS Existing Campus Buildings
- Shared Campus Resource



Overall Summary 2037+





- New and Renovated CALS Buildings
- Existing CALS Buildings
- Non-CALS Campus Opportunities
- Shared Campus Resource
- Non-CALS Existing Campus Buildings

Overall Site Plan 2037+



- New and Renovated CALS Buildings
- Existing CALS Buildings
- Non-CALS Campus Opportunities

- Shared Campus Resource
- Non-CALS Existing Campus Buildings

- Vehicular Route
- Service Route
- Pedestrian Route
- Service Point
- Building Entry

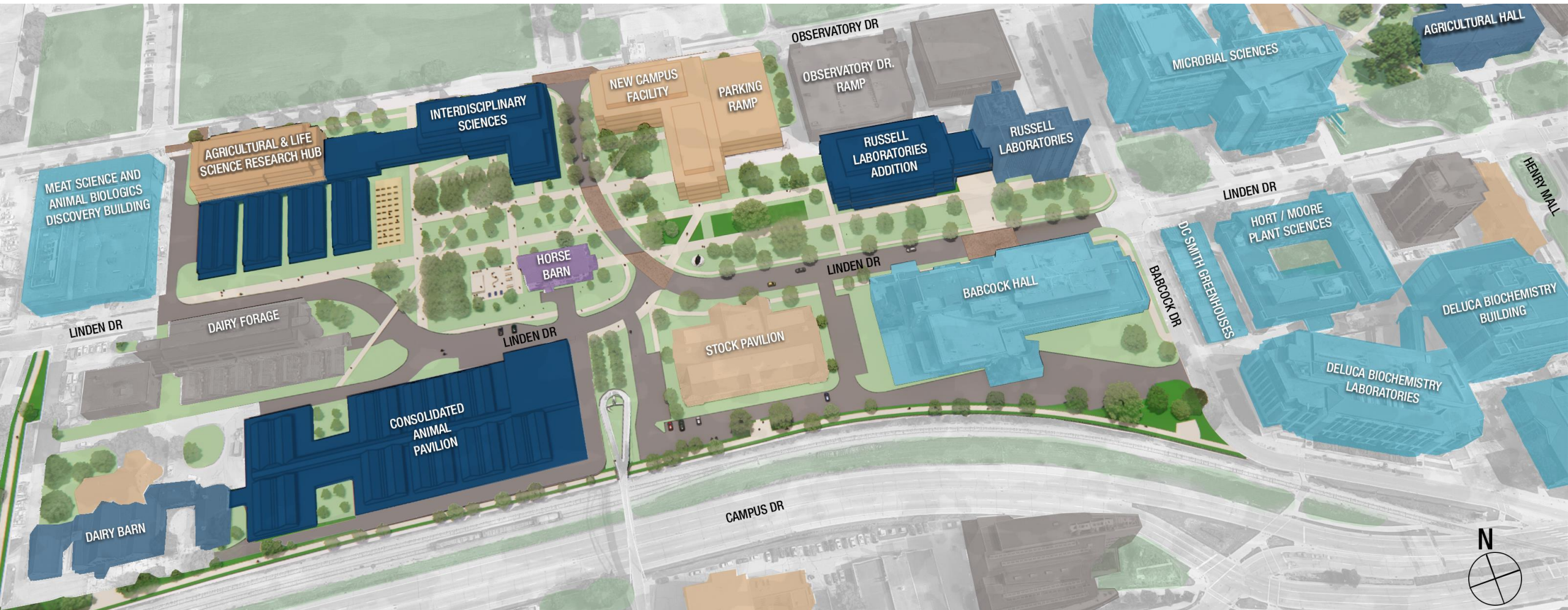
Overall Site Circulation 2037+



LAKE MENDOTA

- New and Renovated CALS Buildings
- Existing CALS Buildings
- Non-CALS Campus Opportunities
- Shared Campus Resource
- Non-CALS Existing Campus Buildings

Aerial View 2037+ Looking North



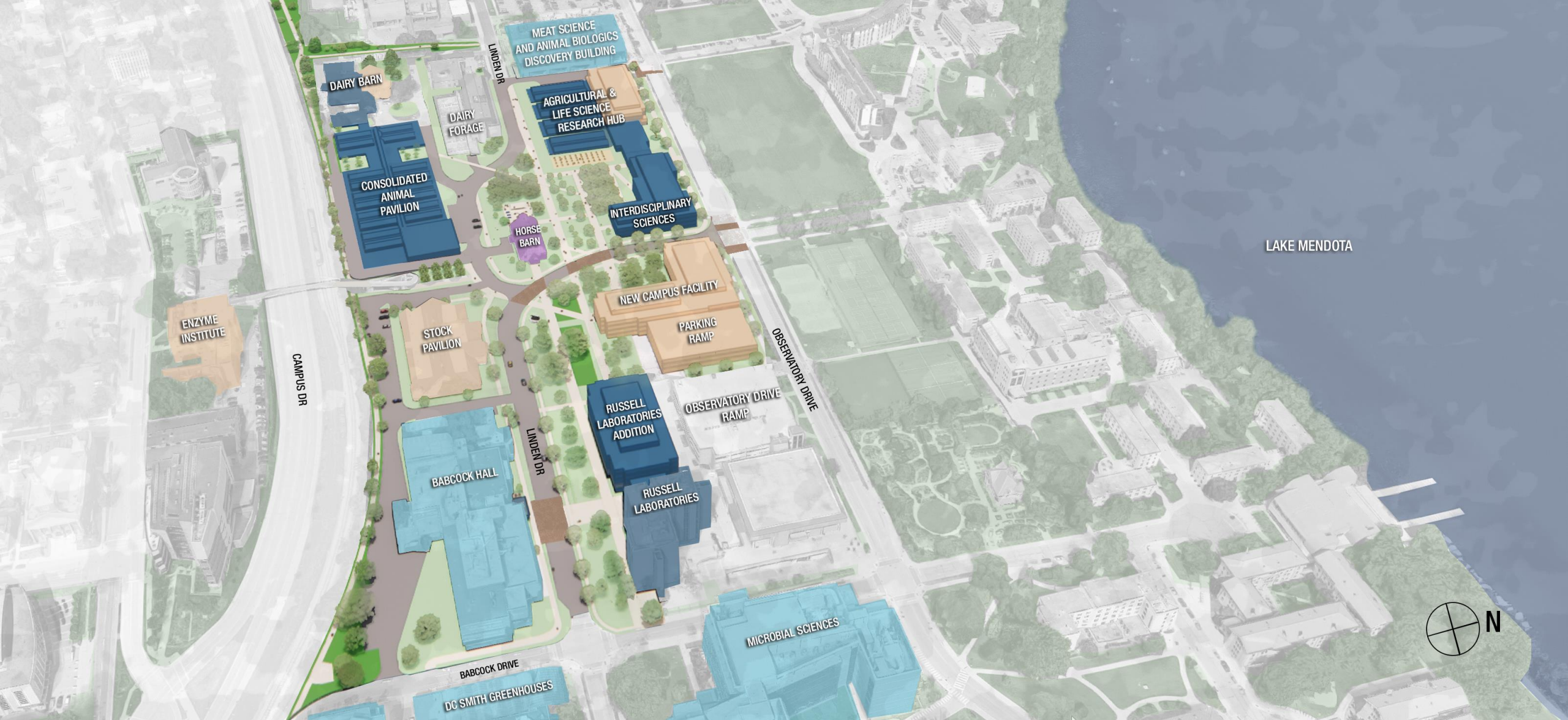
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- Non-CALS Campus Opportunities
- Shared Campus Resource
- Non-CALS Existing Campus Buildings

CALS Core Campus 2037+ Looking North



- New and Renovated CALS Buildings
- Existing CALS Buildings
- Non-CALS Campus Opportunities
- Shared Campus Resource
- Non-CALS Existing Campus Buildings

CALS Core Campus 2037+ Looking South



- New and Renovated CALS Buildings
- Existing CALS Buildings
- Non-CALS Campus Opportunities
- Shared Campus Resource
- Non-CALS Existing Campus Buildings

CALS Core Campus 2037+ Looking West