ALIGNING ENVIRONMENTS WITH POLICIES AND SYSTEMS FOR WELLNESS

0715 | 2019



Nicole Youngberg

Nicole is the Chief Employee Wellness Leader for UW-Madison and works with departments on campus to inspire a healthy, inclusive and engaging employee experience by infusing a culture of well-being into the workplace. Nicole leads the UWell campus wide wellness initiative and Workplace Wellness Community of Practice. She is a former employee wellness coordinator, international public health volunteer, Fortune 500 company healthcare consultant, and now an organizational well-being builder.

Stan Szwalek, PLA, ASLA

Stan is Associate Principal at Hoerr Schaudt Landscape Architects in Chicago, Illinois. His portfolio includes campus, commercial, corporate, and transportation work in the United States and abroad. He was the lead author on the University of Wisconsin-Madison Landscape Master Plan, a major component of the 2015 Master Plan Update. Stan's design experience incorporates complex institutional and municipal design projects with a particular emphasis on urban open spaces, infrastructure, and education.

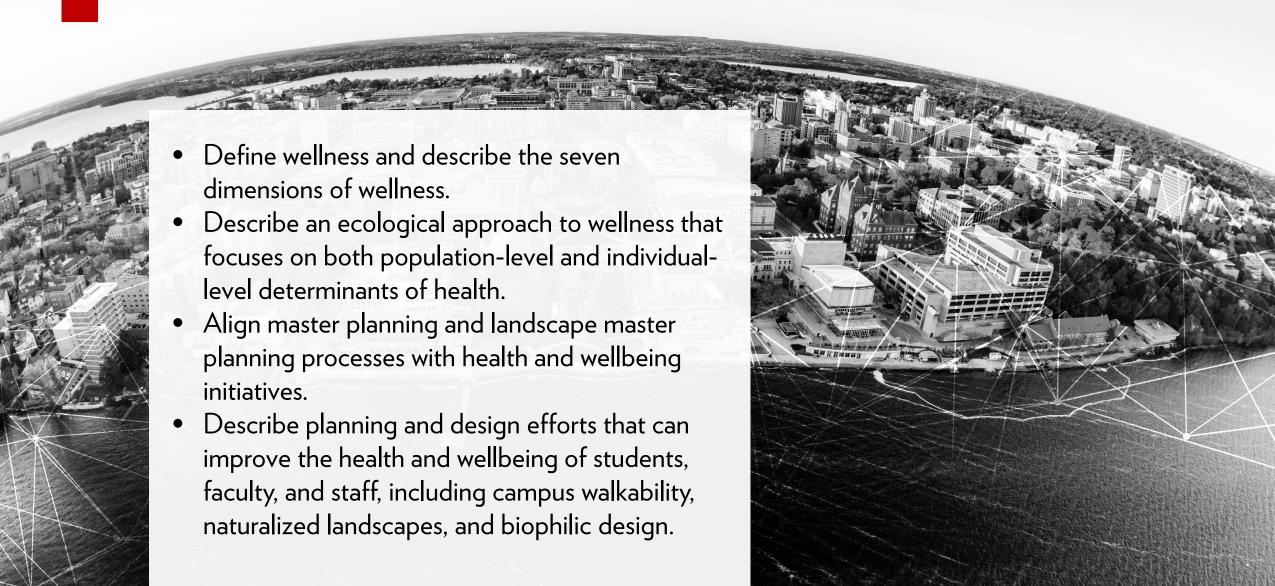
Valerie Donovan, MS

Valerie began working at the University of Wisconsin-Madison in 2013 as a member of the prevention team in University Health Services. She is currently serving as the Suicide Prevention and Mental Health Promotion Coordinator for campus as well as the Interim Community Health and Student Wellness Specialist. In these roles, Valerie works collaboratively with partners and stakeholders to create and sustain conditions that promote the health and well-being of UW-Madison students.

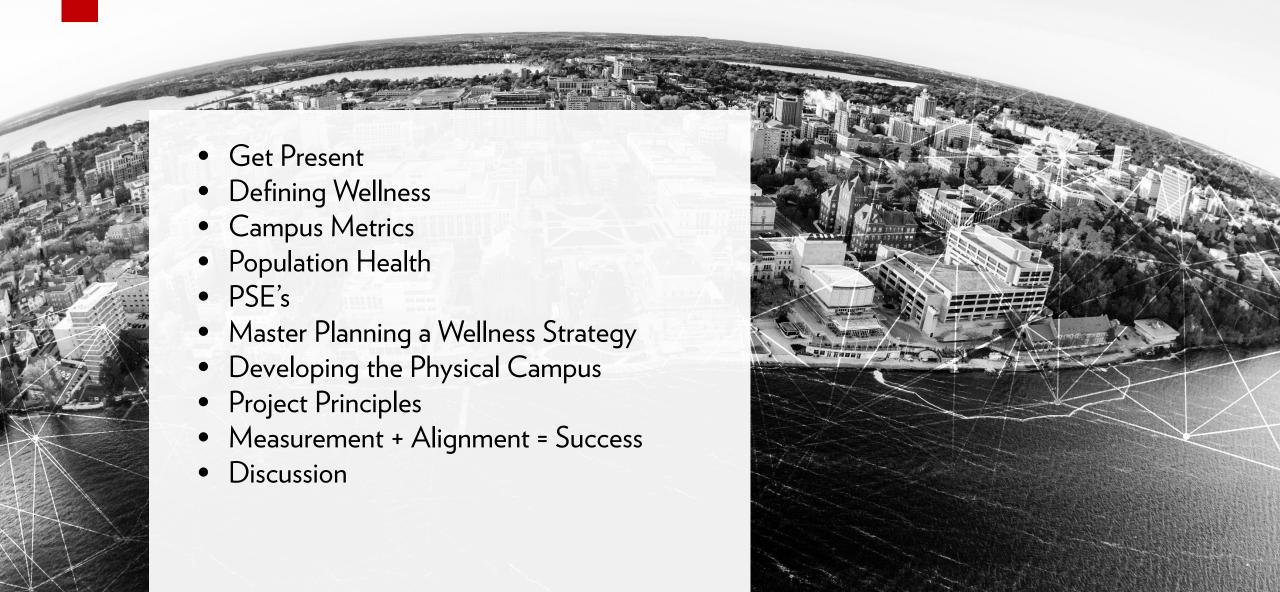
Aaron Williams, PLA, ASLA

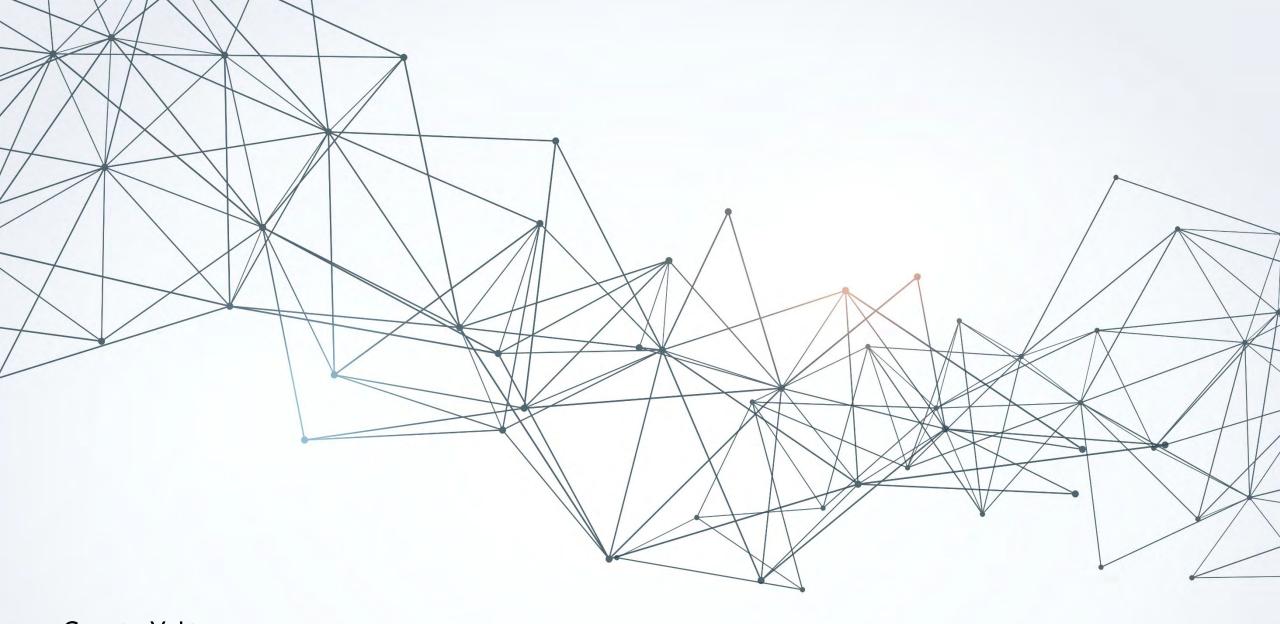
Aaron is the assistant campus planner with the University of Wisconsin-Madison in the division of Facilities Planning & Management. He provides planning and design assistance across the 936 acre Wisconsin flagship campus, as well as zoning coordination for all major capital improvement projects. He is a graduate of the University of Wisconsin-Madison with tours at Sasaki Associates and SAA Design Group.

LEARNING OBJECTIVES



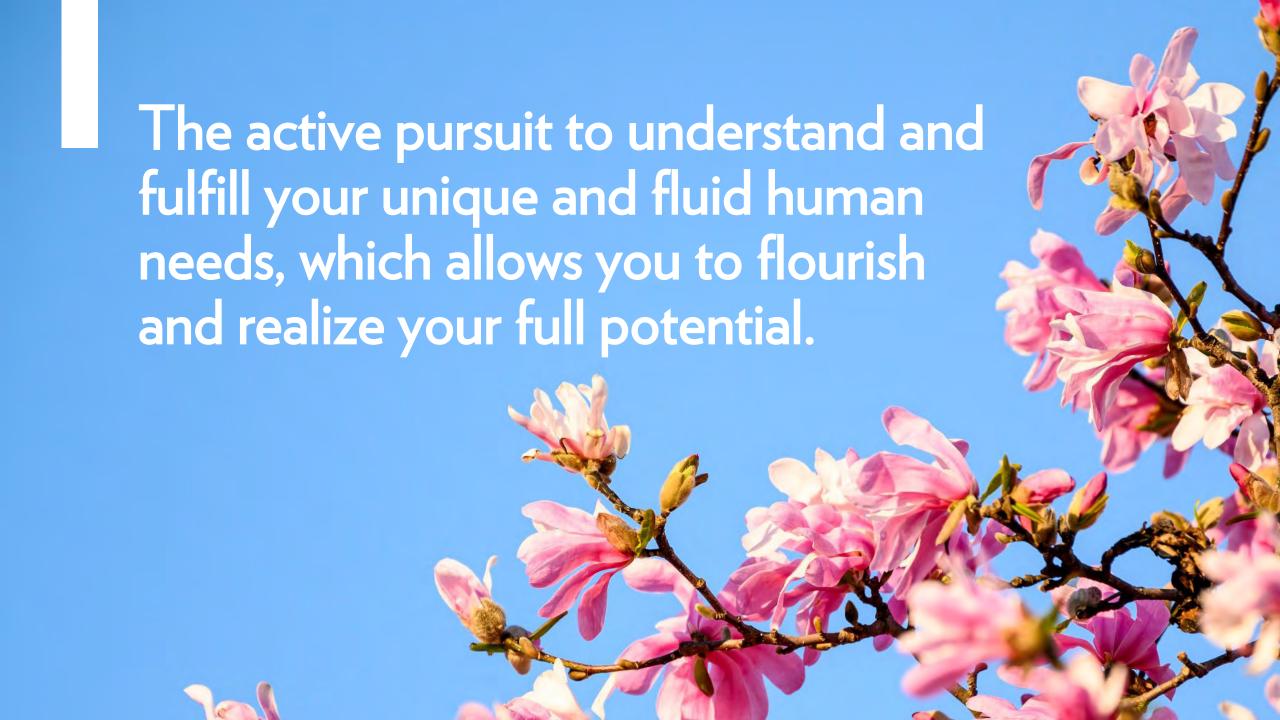
PRESENTATION ROADMAP





Centering Verbiage
UW-Madison Research and Sponsored Programs & UW-Madison Research Education Development Program





Defining WellnessSeven Dimensions of Wellness



Health: Beyond the absence of illness, a feeling of strength and energy from your body and mind.

Meaning: Feeling part of something bigger than yourself. Knowing that what you do matters.

Safety: Knowing that you are safe from physical and psychological harm. Feeling secure enough to take calculated risks and show vulnerability. Free of concern about meeting basic life needs.

Connection: Experiencing positive, trusting relationships with others. Feeling a sense of belonging, acceptance and support.

Achievement: Feeling you have the support, resources and autonomy to achieve your goals.

Growth: Learning, progressing and being challenged to use and expand on your strengths.

Resiliency: Capacities for persistence, emotional intelligence, grit, cognitive flexibility, risk-taking, agency, adapting to change, delaying gratification, learning from failure, and questioning success.

UW-Madison Metrics

Understanding campus population and tracking local data points

TOP STUDENT HEALTH CONCERNS

- Mental Health & Stress
 - 92% felt overwhelmed by all they had to do (last year)
 - 27% report being diagnosed with a mental health condition (lifetime)
 - 9% report suicidal ideation (last year)
 - Stress is the #1 reported health factor that impacts academic success
- Sense of Belonging
 - 66% felt very lonely (last year)
 - Lower sense of belonging scores for students of color, international students, financially struggling students, nondrinkers, students in recovery, students with disabilities
- College students reported feeling very safe:
 - On campus (daytime) 85% women, 95% men
 - On campus (nighttime) 14% women, 53% men
 - Off/near campus lower for both men and women during either time
- Stress and noise are the top reported reasons for poor sleep among students.
- High risk drinking culture is tied to sense of belonging, safety, and health outcomes.



UW-Madison Metrics

Understanding campus population and tracking local data points

TOP EMPLOYEE RISK FACTORS

- Weight
 - 58% are overweight or obese
- Stress/Burnout
 - 54% of employees
 - 62% of graduate assistants

sometimes feels troubled by stress and do not handle stress well; or almost always feels troubled by stress

- Environmental Impact
 - 1 in 5 employees do not rate their work environment as favorable





Population Health and Wellness on Campus

Population Health:

- Policies
- Systems and
- Environments

An opportunity for departments, agencies and organizations to work together in order to improve the health outcomes of the communities they serve.



Policies & Systems

Population Health and Wellness on Campus

- Settings of learning and development (education, training, research).
- Settings of creativity and innovation by applying knowledge within and between disciplines.
- Settings where students develop independence through experimenting and exploring.
- A resource for, and partner in local, national, global communities (Wisconsin Idea).
- Campus is a business, concerned with performance in a competitive market. Aesthetics vs. function vs. performance.
- Effective-based and efficient practices to support wellness 1, 2
- Schweitzer, M., Gilpin, L., & Frampton, S. (2004). Healing spaces: Elements of environmental design that make an impact on health. The Journal of Alternative and Complementary Medicine, 10(1), S71-S83
- Black, T., Bhaliwal, R., Stanton, A., Hutchinson, C., (2014). A Rationale to Address Physical Spaces and Well-being in Post-Secondary Settings. Retrieved from: https://vault.sfu.ca/index.php/s/OXXq3a3S9Ow17aa#pdfviewer



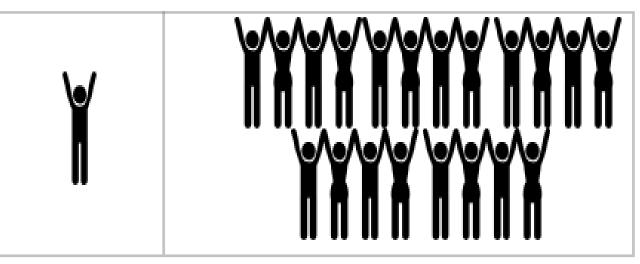
Population Health and Wellness on Campus



Select
Strategies with the
Greatest Impact
(Reach X Dose)

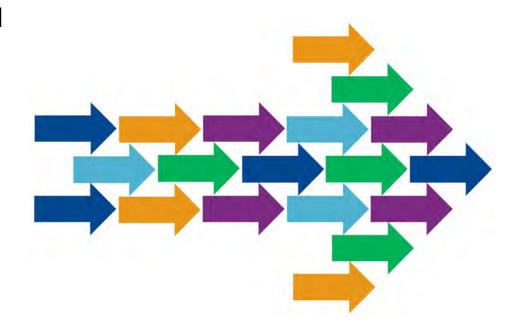
PROGRAMS





UWell Partnership Council

- Infrastructure for a multidisciplinary group of stakeholders (representing units/departments) to come together around the UWell mission
- Committed to collaboration around a common agenda, shared measurement, continuous communication and aligned activities
- The collective approach of the UWell Partnership Council ensures that no single department need to fully finance, own, or staff wellness initiatives in their entirety, and recognizes that multiple units possess expertise and influence to achieve desired outcomes





Intro

Background

Landscape Master Plan

- Landscape Master Plan establishes the vision for the campus landscape and provides a framework of guidelines for the cohesive development of the campus landscape
- A major component of the 2015 Master Plan Update, it was the first Landscape Master Plan for the University of Wisconsin-Madison
- A strategic opportunity to affect population health through planning and design of the physical environment at a campus wide scale

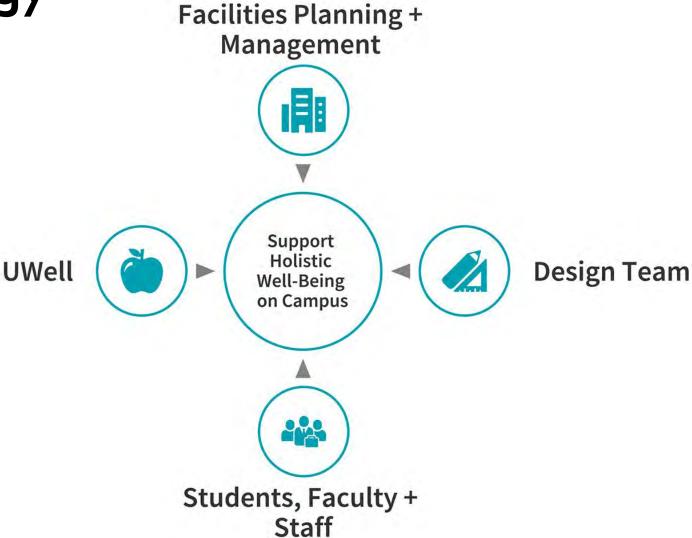


Well-Being Strategy

Integrated Planning

A new partnership for the promotion of well-being on campus

- UWell Partnership Council
- Facilities, Planning & Management
- Students, Faculty & Staff
- Master Plan Consultant Team



Principles of Partnership

Integrated Planning

Principles for a Successful Partnership*:

- A Shared Goal of Campus Health and Wellness
- Engagement from campus partners
- Aligned Leadership
- Create Sustainable Systems
- Share Data and Analysis

*Practical Playbook. "What Makes Partnerships Successful" June 25, 2019. https://www.practicalplaybook.org/page/what-makes-partnerships-successful



Partnership Outcomes

Integrated Planning

Expanded understanding for well-being

 Health, Meaning, Safety, Connection, Achievement, Growth, and Resiliency

A shared goal to promote a holistic approach of well-being on campus

Leverage the master plan to promote settings and systems over one-time programs and promotions



Planning for Well-Being

A Holistic Approach

Promoting a holistic approach of well-being on campus:

- Taking care of your body
- Taking care of your mind
- Taking care of what's around you
- Taking care of your relationships
- Taking care of society



Planning for Well-Being

A Holistic Approach

Well-Being Planning Principles:

- Active Lifestyle Promotion
- Enhance the Connection to Nature
- Promote Environmental Sustainability
- Promote Environments that Foster Community
- Stewardship of Cultural History

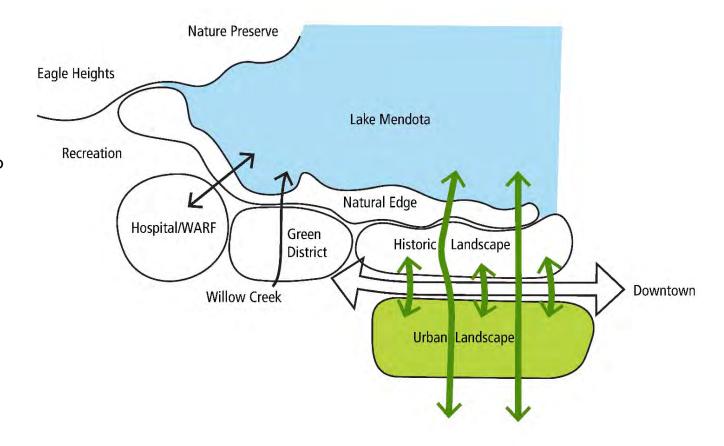


Taking Care of Your Body

Planning for Well-Being

Active Lifestyle Promotion

- Strengthen cross campus connections to encourage multi-modal transportation
- Revitalize streetscapes and the urban tree canopy to improve walkability and pedestrian comfort
- Address gaps in pedestrian and multi-modal connectivity on campus
- Provide bike lanes and convenient bike parking



Taking Care of Your Body

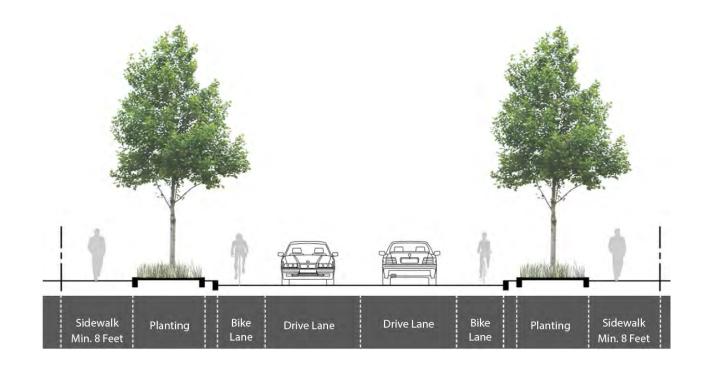
Planning for Well-Being

Design guidelines to improve streetscape quality and scale:

- Minimum sidewalk widths
- Minimum planting terrace widths
- Typical tree spacing
- Continuous soil volume requirements

Landscape Development Standards:

- Multi-modal transportation
- Bike parking
- Cohesive site furnishings suite

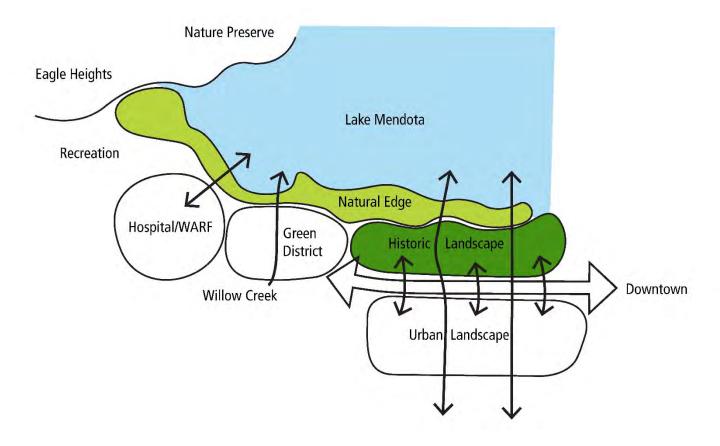


Taking Care of Your Mind

Planning for Well-Being

Enhance the Connection to Nature

- Re-establish visual and physical connections to Lake Mendota
- Expand naturalized landscapes on campus
- Preserve and enhance the Lakeshore Nature Preserve





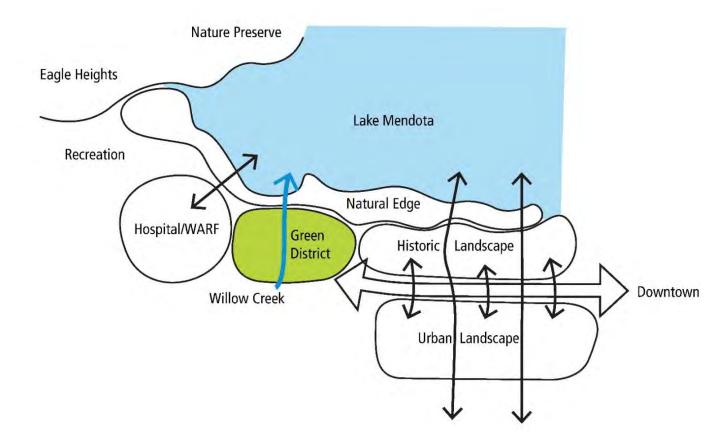


Taking Care of What's Around You

Planning for Well-Being

Promote Environmental Sustainability

- Redefine the Near West Campus as a living laboratory for teaching and research
- Promote the expansion of working landscapes on campus
- Revitalize Willow Creek







Taking Care of Your Relationships

Planning for Well-Being

Promote Environments that Foster Community

- Provide a safe and welcoming campus
- Design for inclusivity and accessibility
- Provide a diversity of terraces, plazas, courtyards and gardens for social interaction and outdoor gathering that respond to the building architecture and programming
- Provide movable furnishings when possible for flexibility of use



Taking Care of Society

Planning for Well-Being

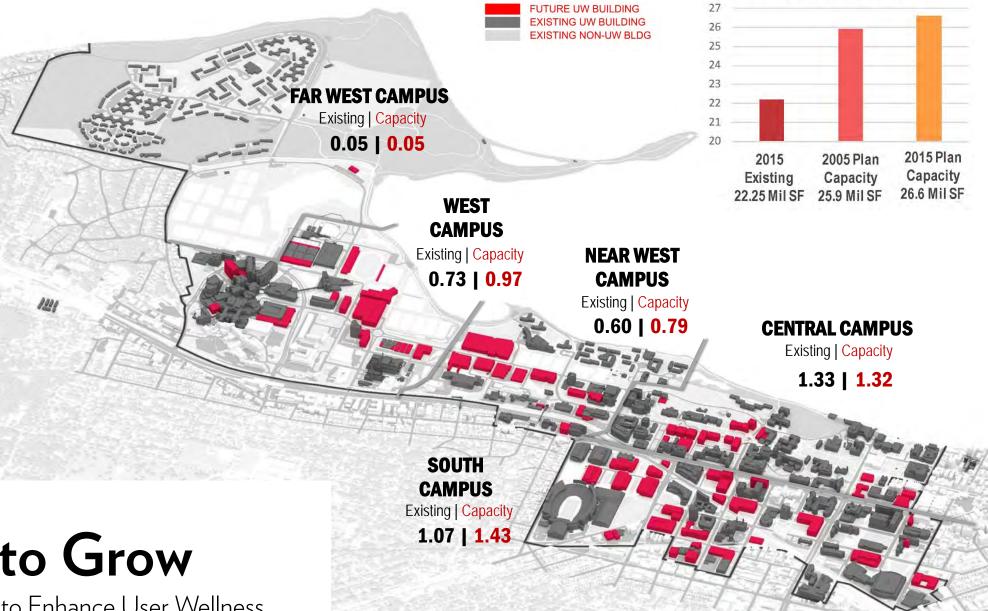
Stewardship of Cultural History

- Honor the 12,000-year history of campus
- Steward extant effigy mounds for future generations
- Preserve cultural landscapes significant to the history and development of UW-Madison





- 2015 Master Plan
 Update increases 2005
 Plan capacity by 400-600,000 SF
- 2015 MP capacity:
 4.3mil. additional GSF
- Enrollment increases
- Floor Area Ratios



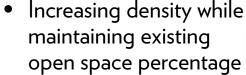
Physical Environment

Capacity to Grow

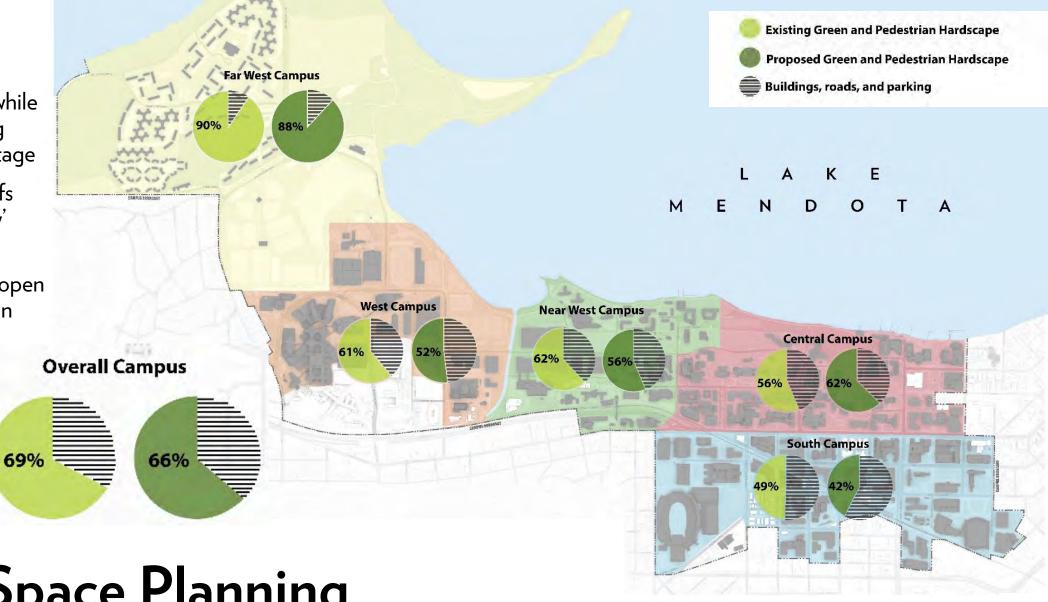
Strategic Opportunity to Enhance User Wellness

(FAR does not include parking structures, Camp Randall, or Kohl Center.)

Campus Building GSF



- Intensive green roofs calculated into 'new' open space
- The quality of that open space is addressed in the landscape framework plan

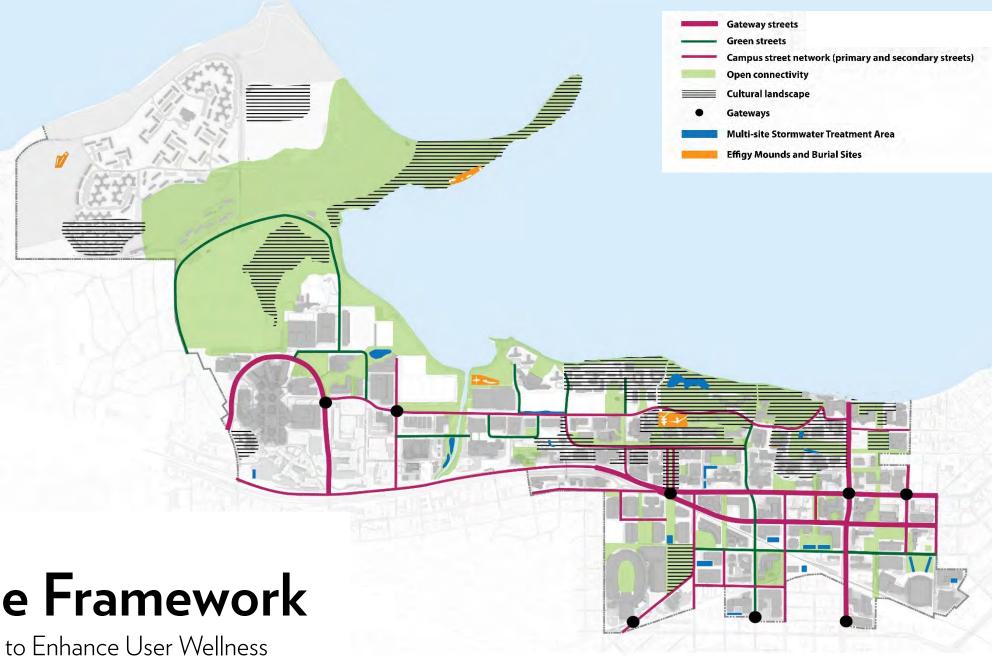


Physical Environment

Open Space Planning

Strategic Opportunity to Enhance User Wellness

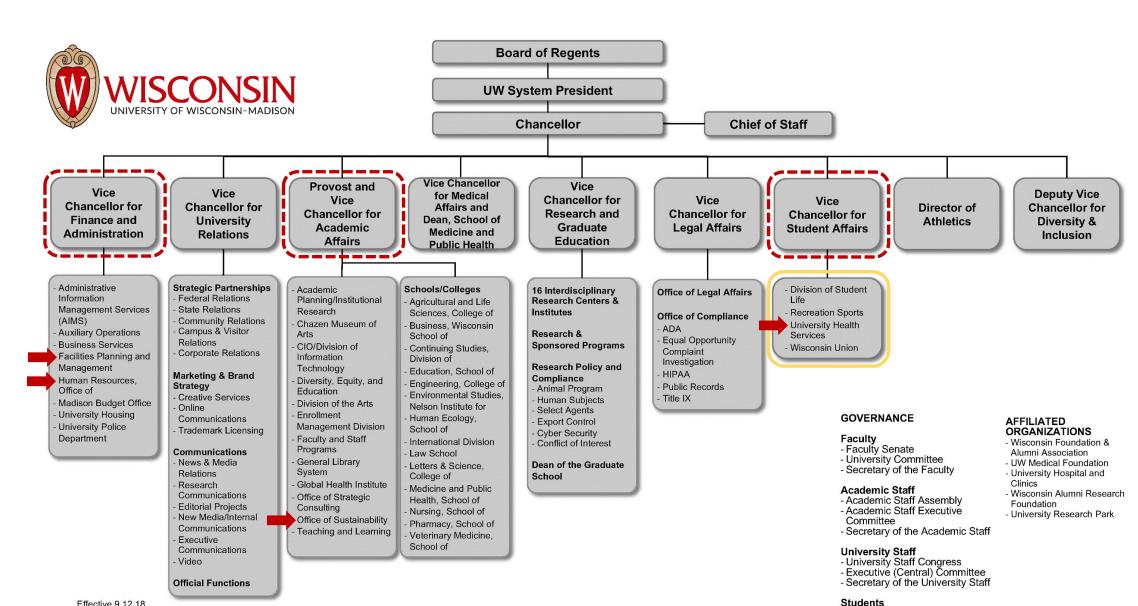
- Major moves
- Connectivity
- Cultural Landscape overlay
- Green infrastructure coordination
- Topography, Soils, Canopy, Views



Physical Environment

Landscape Framework

Strategic Opportunity to Enhance User Wellness



- Associated Students of Madison

Effective 9.12.18
Office of Strategic Consulting

Mission - Cascading & Shared

Strategic Opportunity to Enhance User Wellness

UNIVERSITY MISSION

To create, integrate, transfer, and apply knowledge through innovative programs of research, teaching, and public service. The Wisconsin Idea: A longstanding tradition that defines the boundaries of the university as the boundaries of the state and beyond.

UHS MISSION (Student Affairs)

To enhance learning and student success by promoting, protecting, and restoring health and well-being.

FP&M MISSION (Finance & Administration)

Providing excellence in facilities and services for our university community.

UWELL MISSION (Human Resources)

To support, promote and advance the health and well-being of the entire UW-Madison campus community, through strategic, collaborative and broad-reaching efforts that drive a culture and environment of wellness on campus.

CAMPUS PLANNING & LANDSCAPE ARCHITECTURE MISSION

Leading the stewardship of the university's built, natural, and cultural environments.

Mission - Cascading & Shared

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Capital Project Process

Strategic Opportunity to Enhance User Wellness

Capital Building Program

• Schools, Colleges, Divisions - Strategic Plans

Planning I

Internal Planning

Planning II

- Advanced Planning
- Feasibility, Budget, Timeline

Project Delivery

- Schematic Design
- Design Development
- Construction Administration

Completed Project



Capital Project Process

Strategic Opportunity to Enhance User Wellness

Capital Building Program

• SCD Strategic Plans

Planning I

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RESOURCES

Studies, Plans, Research Guidelines, References, Municipal Zoning Code

ENTITIES

Boards, Commissions, Faculty, Champions, CPLA, Municipality

Capital Project Process

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Landscape Master Plan
Campus Design Guidelines
COTE Toolkit – BRIK
Landscape Performance Series
Technical Guidelines
City Zoning Code

ENTITIES

Boards, Commissions, Faculty, Champions, CPLA, Municipality Design Review Board
Faculty Research
Joint Campus Area Committee
Public Information Meetings
Project Champions
Campus Planning & LA
City of Madison (Agencies/Boards)

Wellness Integration: RESOURCES

AIA Committee on the Environment's (COTE) Top 10 Toolkit

AIA COTE Top Ten

MEASURE	APPLICABLE FOCUS TOPICS	
Design for Integration	Integrated process with vision statement	
Design for Ecology	Ecosystem services, dark skies, bird-friendly design	
Design for Water	Outdoor water use, rainwater/stormwater management and use	
Design for Economy	Building size, material use, community links	
Design for Energy	Onsite renewable, passive design features, climate responsive design	
Design for Wellness	Thermal comfort, happiness, biophilia, food/movement/exercise	
Design for Resources	Material sourcing, construction waste diversion	
Design for Change	Resilience, future adaptability	
Design for Discovery	Lessons learned, discovery that influences behaviors	
Design for Community	Engagement, social equity, human scale, alternative transportation	
Design for Learning	Site opportunities, performative landscapes	
Design for Research	Site opportunities, maintenance	

Capital Project Process

Strategic Opportunity to Enhance User Wellness

Capital Building Program

SCD Strategic Plans

Planning I

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Project Principles

- 1. Enhance Connection to Nature
- 2. Promote Active Lifestyles
- 3. Environments that Foster Community
- 4. Reinforce Safety on Campus
- 5. Improve Inclusivity and Accessibility of Spaces
- 6. Embrace Shared Governance







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14 Patterns of Biophilic Design Aesthetics vs. Function vs. Performance

CONTEXT	PAT	TERN
NATURE IN THE SPACE	1.	Visual Connection with Nature
	2.	Non-Visual Connection with Nature
	3.	Non-Rhythmic Sensory Stimuli
	4.	Thermal and Airflow Variability
	5.	Presence of Water
	6.	Dynamic and Diffuse Light
	7.	Connection with Natural Systems
NATURAL ANALOGUES	8.	Biomorphic Forms and Patterns
	9.	Material Connection with Nature
	10.	Complexity and Order
NATURE OF THE SPACE	11.	Prospect
	12.	Refuge
	13.	Mystery
	14.	Risk / Peril

Image: RDG Planning & Design

NATURE IN SPACE

- [P1] Visual Connection with Nature
- [P2] Non-Visual Connection with Nature
- [P3] Non-Rhythmic Sensory Stimuli
- [P4] Access to Thermal & Airflow Variability
- [P5] Presence of Water
- [P6] Dynamic & Diffuse Light
- [P7] Connection with Natural Systems

NATURAL ANALOGUES

- [P8] Biomorphic Forms & Patterns
- [P9] Material Connection with Nature
- [P10] Complexity & Order



NATURE OF THE SPACE

- [P11] Prospect
- [P12] Refuge
- [P13] Mystery
- [P14] Risk/Peril



Gym/Nat Biophilic Design Patterns

Image: RDG Planning & Design

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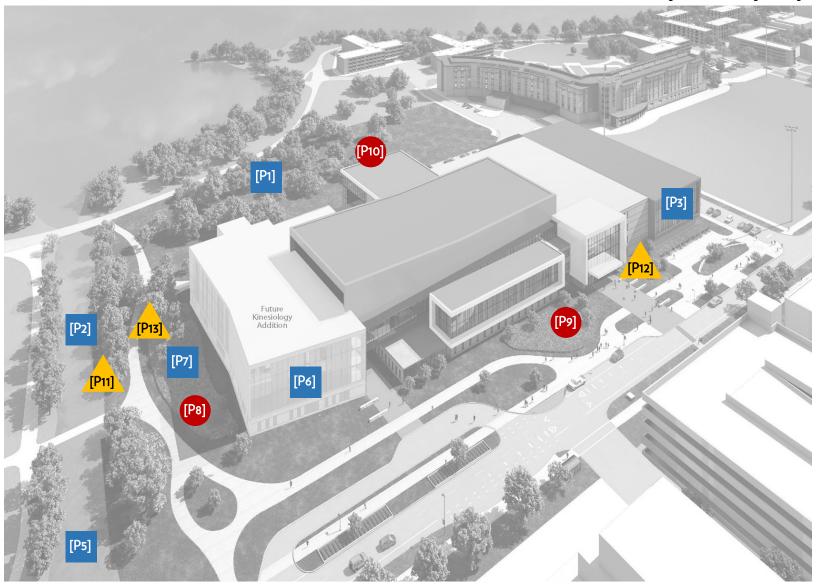
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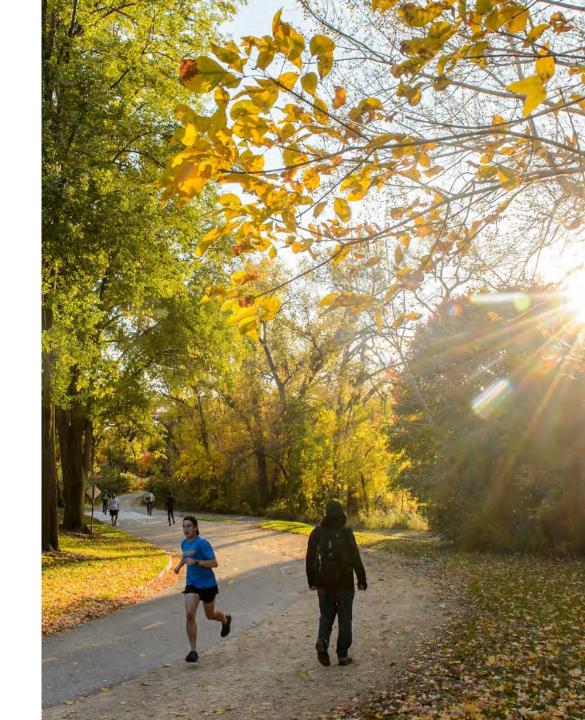
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Gym/Nat Biophilic Design Patterns

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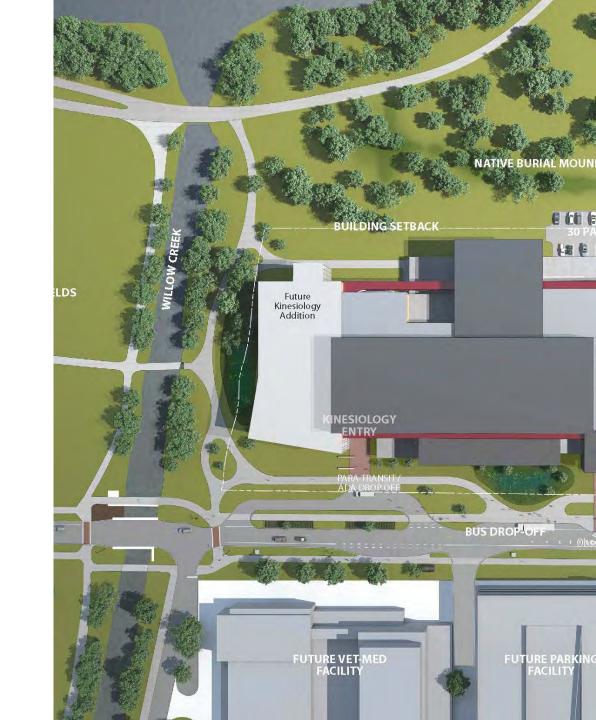
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Project Principles

Promote Active Lifestyles

- Expanded Gym/Nat programming
- Transportation System / Walk / Bike
- Visible Health
- Membership
- Designed Environment



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Project Principles

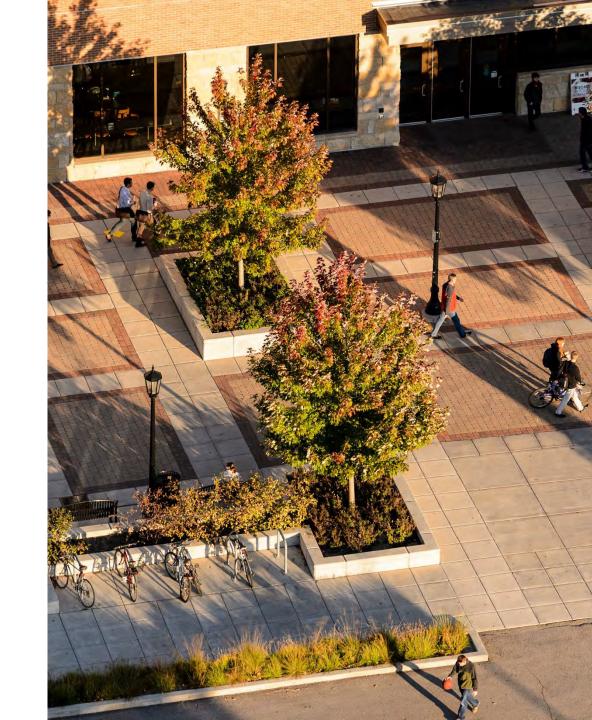
Environments that Foster Community

- Blending academic and non-academic programming
- Spatial variety welcoming
- Internal spaces take ques from external environment
- Limit barriers to use
- Food



Project Principles

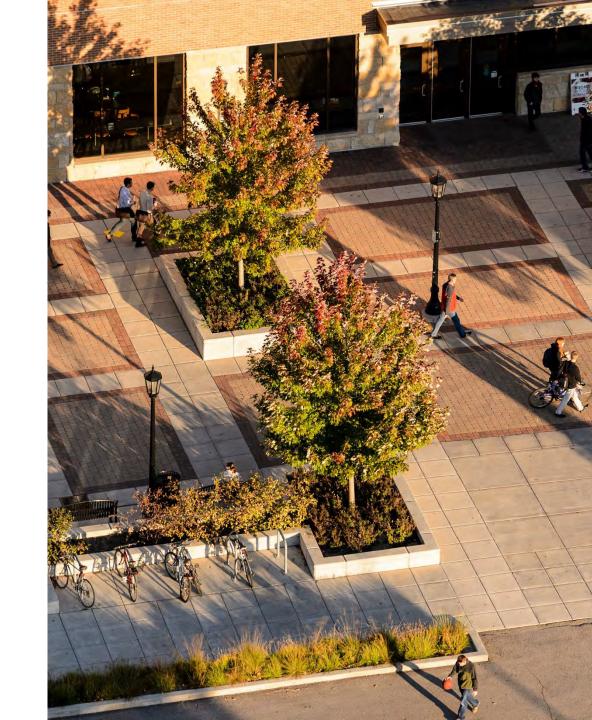
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Project Principles

Reinforce Safety on Campus

- Psychological Safety
- Designed Environment CPTED
- Connection to Campus Resources
- Promoting and Communicating Safety



Project Principles

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Project Principles

Improve Inclusivity and Accessibility of Spaces

- Variety and Types All Bodies
- Improved Wayfinding Access
- Exercise Adaptability
- Integrated Program Elements Congregation
- Design Environment Location



Project Principles

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Project Principles

Embrace Shared Governance

- Internal and External Stakeholder Representation
- Generalists vs. Specialists
- Community Engagement
- Learn from Process (SERF)
- Diversity = strength, creativity, and innovation



Measurement + Alignment = Success

Strategic Opportunity to Enhance User Wellness

How do we know if we've been successful?

- Common measurements 7 dimensions of wellbeing serve as outcomes (health, safety, resilience, growth, achievement, meaning, connection)
 - Additional metrics- graduation rates, retention rates, staff turnover (and why)
- Continuous engagement What can we do together that we can't do alone?
- Tie to higher levels of strategy mission, vision, values of departments and campus
- Capacity built in all members of campus community everyone leads, everyone has a place in the strategy

Key Take Home Points

Strategic Collaboration to Promote Wellness in a Campus Community

- 1. Integrate Health & Wellness professionals early into planning efforts
- 2. Adopt a holistic and multi-dimensional approach to supporting wellness on campus
- 3. "Settings & Systems" over "Programs & Promotion"
- 4. Campus landscapes play a critical role in shaping the faculty, staff, student, and visitor experience on campus.
- 5. The campus master plan/landscape master plan is a strategic opportunity to set this framework.
- 6. Identify other community partners and references to support physical environment wellness implementation.
- 7. Make wellness intentional in your designs and seek performance.
- 8. Get wellness on everyone else's agenda.



