University of Wisconsin-Madison
Campus Planning Committee

Facilities Planning & Management

October 20, 2022

Agenda

1. **Welcome & Introductions**
   a) New Members – 5 min.

2. **Old Business**
   a) Approval of September 15, 2022, meeting minutes **(*Action*)** – 5 min.

3. **New Business**
   a) Office of Sustainability Report (Nergard) – 30 min.
   b) State of our Stormwater – Stormwater Permit Annual Report (Egger) – 15 min.
   c) West Campus District Plan Introduction (Seitz/Williams) – 30 min.

4. **Announcements**
   a) Upcoming Meetings for Spring Semester – 5 min.

5. **Adjournment**

Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

Campus Planning Committee

Sustainability Update

Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

Agenda

University Mission, CPC, and Sustainability

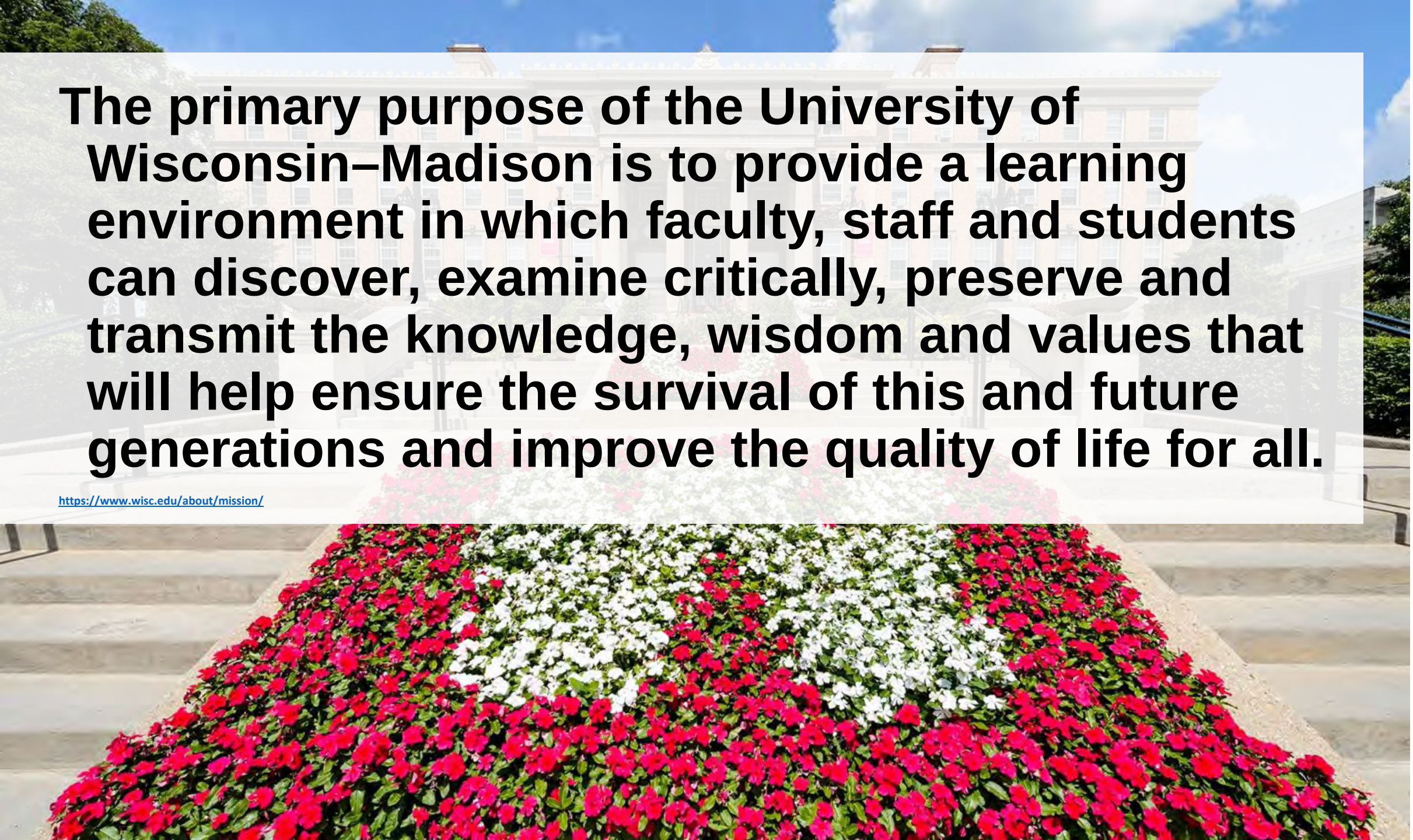
What is Sustainability?

Sustainability and the Capital Planning Process

Working Collaboratively

Appendix

- *Framework Details*



The primary purpose of the University of Wisconsin–Madison is to provide a learning environment in which faculty, staff and students can discover, examine critically, preserve and transmit the knowledge, wisdom and values that will help ensure the survival of this and future generations and improve the quality of life for all.

https://www.wisc.edu/about/mission/

The primary purpose of the University of Wisconsin–Madison is to provide a learning environment…

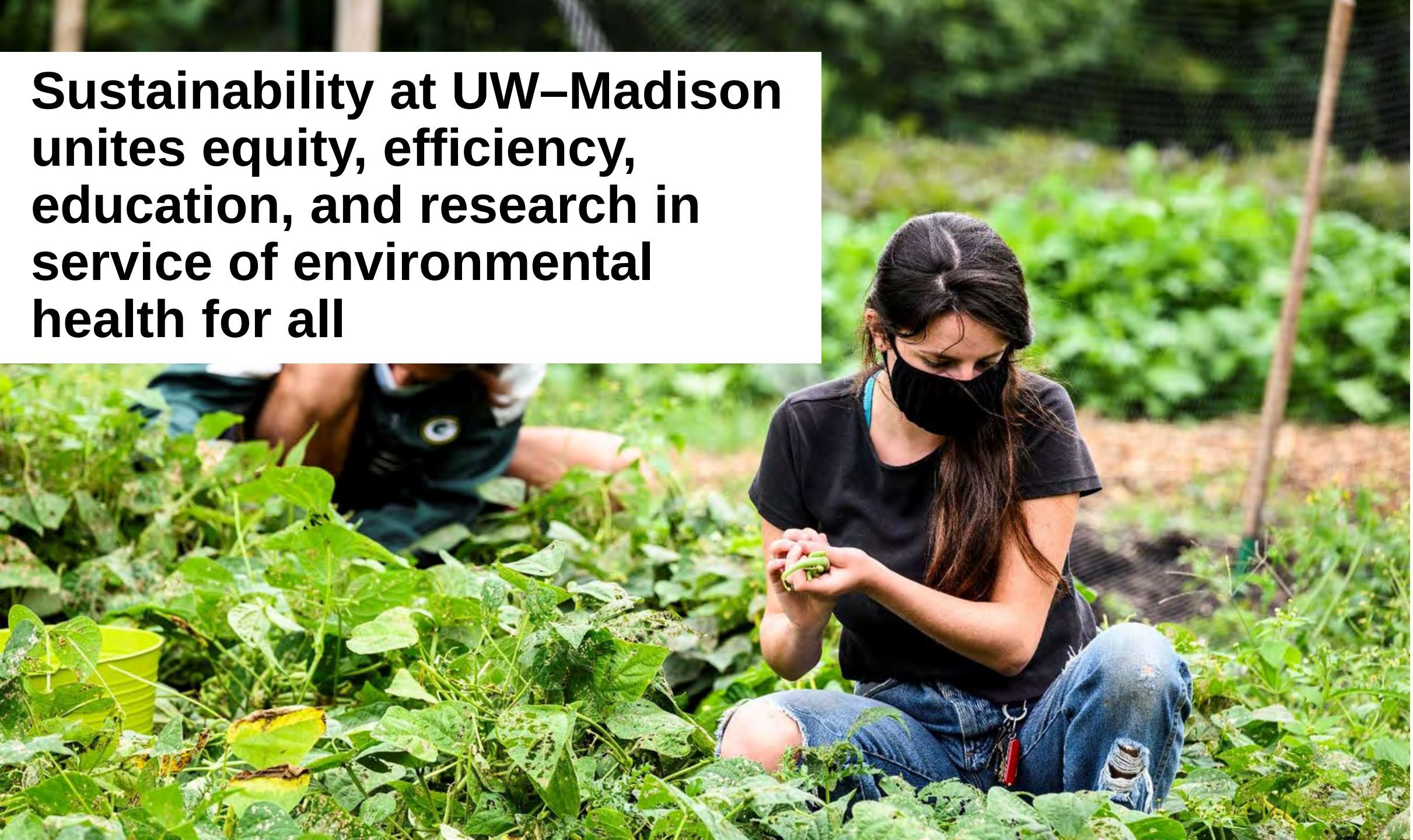
https://www.wisc.edu/about/mission/

The committee advises the Chancellor and Provost concerning issues affecting the physical facilities of the university, including long-range development planning, building and major remodeling priorities, site selection, circulation, land use, and related planning matters.

Its main role is the formulation of the university's biennial capital budget and six-year development plan. The committee is also consulted on campus building naming requests, art installations, and other policies affecting the physical development of the campus.

https://cpla.fpm.wisc.edu/planning/campus-planning-committee-cpc/

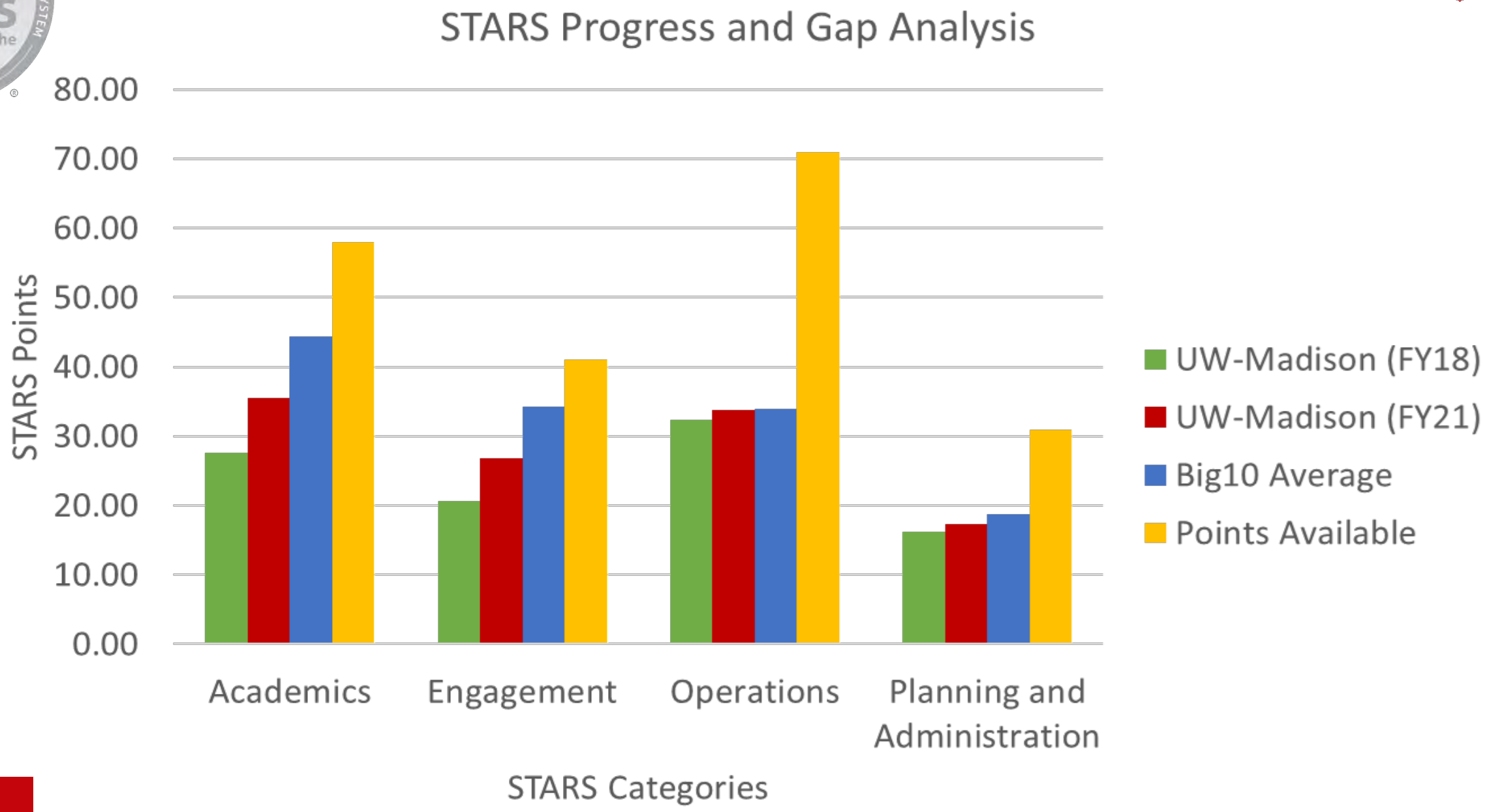
Sustainability at UW–Madison unites equity, efficiency, education, and research in service of environmental health for all



Leadership Requires Integrating Sustainability Into Our Culture, Our Purpose, and Our Practice

Framework

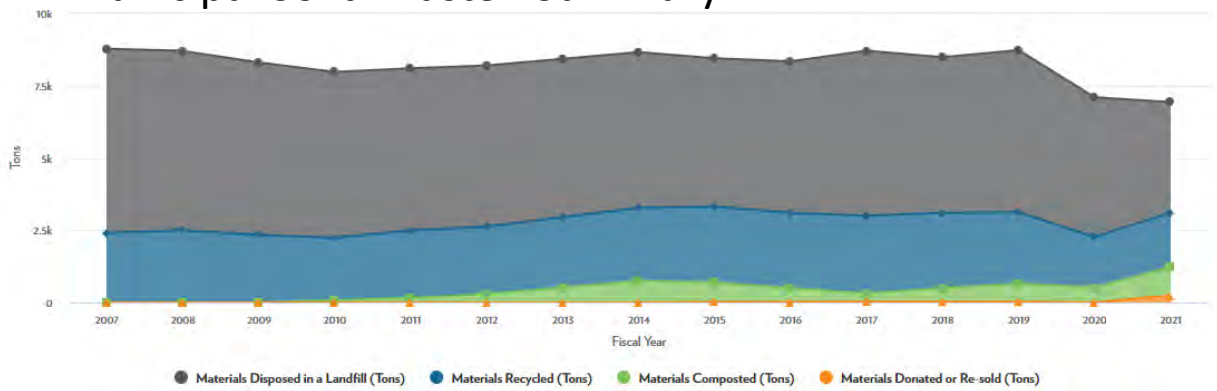
Following the STARS



…advancing environmental priorities…

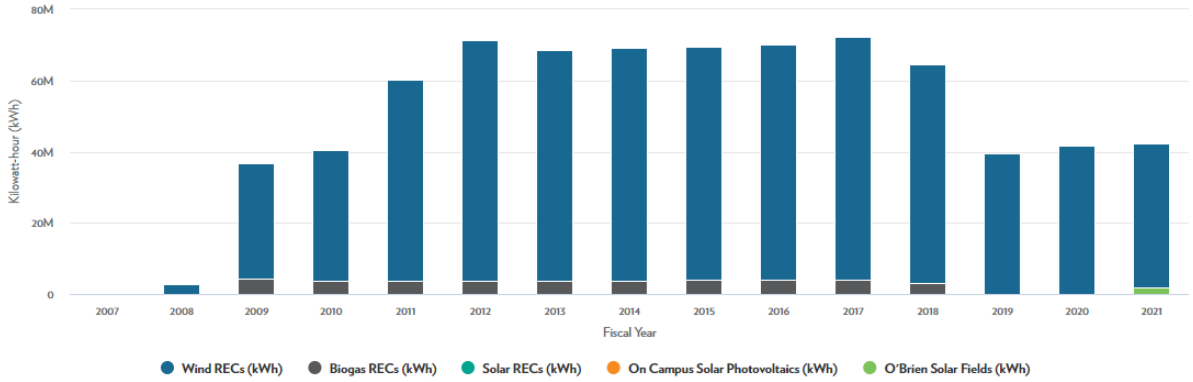
UW ZERO WASTE

Municipal Solid Waste - Summary



RESILIENCE COMMITMENT
CLIMATE LEADERSHIP

Renewable Energy - Summary



Ingraham Hall Waste Minimization
Spring 2020 | $19,321

GREEN FUND
UW-MADISON OFFICE OF SUSTAINABILITY

Ogg Bird Strike Mitigation Fall 2019 | $9,990

Goals

…and achieving success

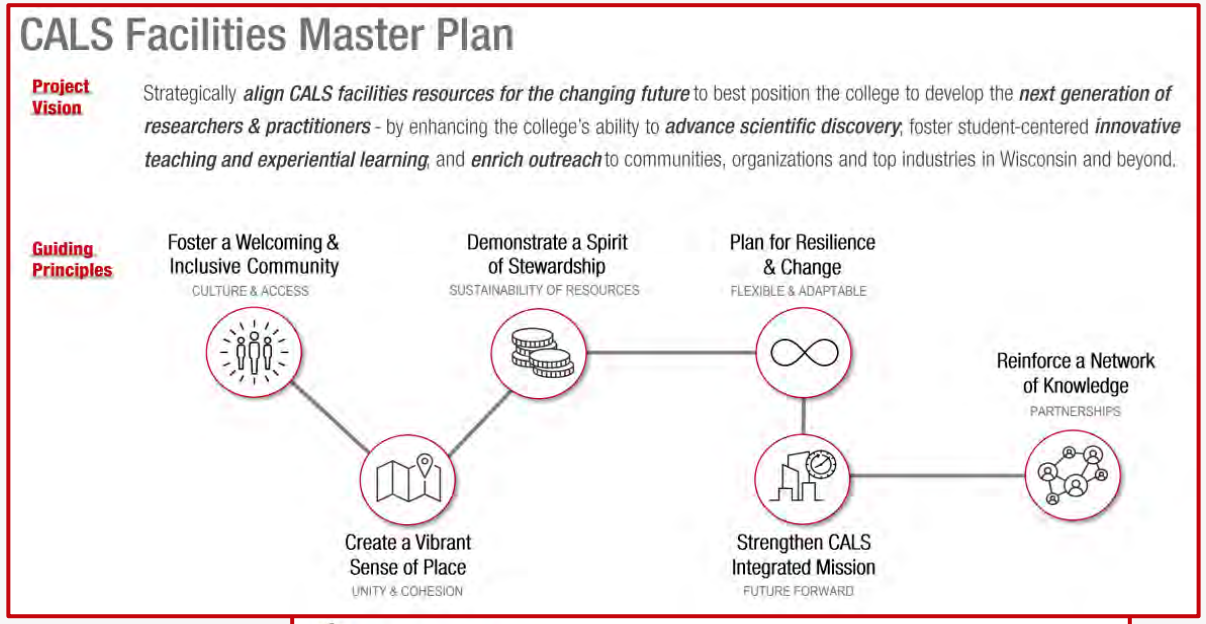
Sustainability in Higher Education

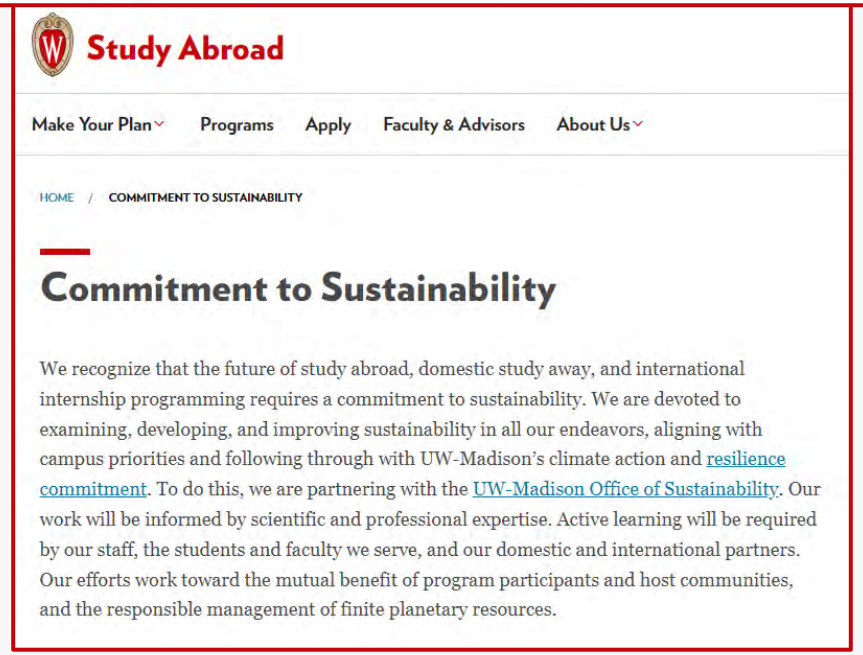
Academics	Research	Campus Engagement	Community Engagement	Coordination & Planning
Diversity	Affordability	Wellbeing	Investment	Buildings & Energy
Food & Dining	Purchasing	Water	Transportation	Waste

Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

How the Sustainability Team Can Help

- Provide methodology and resources for inclusive and forward-thinking project development
- Introduce Sustainability to your teams
- Support departmental sustainability planning

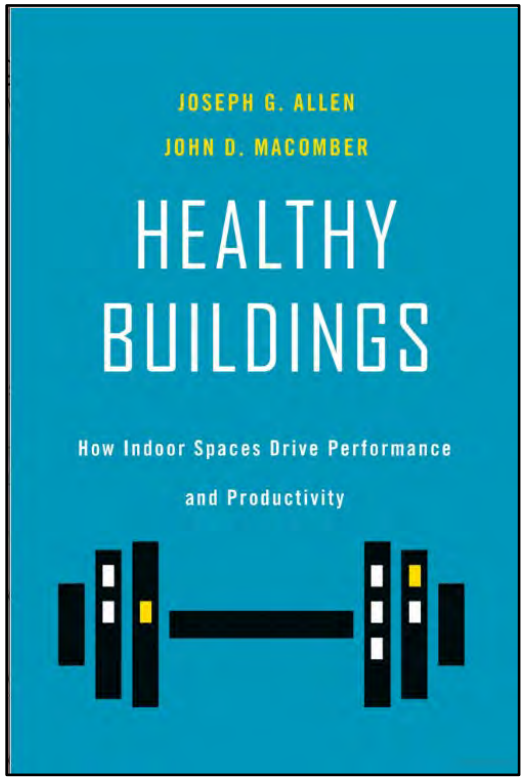




Focus Topic #3 - Wellbeing
Levy Hall will define a new standard for audible acuity on campus

Focus Topic #4 - Equity / Community
Levy Hall will make Letters & Sciences a national leader in providing welcoming, accessible spaces - supportive of the health, culture, and well-being of all who inhabit and interact with the building

Campus as a health promoting environment



Influence of the residential environment on undergraduate students' health

Jose G. Cedeno Laurent, Joseph G. Allen, Eileen McNeely, Francesca Dominici & John D. Spengler

Journal of Exposure Science & Environmental Epidemiology **30**, 320–327 (2020) | Cite this article

Nature and mental health: An ecosystem service perspective

GREGORY N. BRATMAN, CHRISTOPHER B. ANDERSON, MARC G. BERMAN, BOBBY COCHRAN, SJERP DE VRIES, JON FLANDERS, CARL FOLKE, HOWARD FRUMKIN, JAMES J. GROSS, [...] GRETCHEN C. DAILY +17 authors Authors Info & Affiliations

Vol. 124, No. 6 | Research

Associations of Cognitive Function Scores with Carbon Dioxide, Ventilation, and Volatile Organic Compound Exposures in Office Workers: A Controlled Exposure Study of Green and Conventional Office Environments

Joseph G. Allen, Piers MacNaughton, Usha Satish, Suresh Santanam, Jose Vallarino, and John D. Spengler

Published: 1 June 2016 | https://doi.org/10.1289/ehp.1510037 | **Cited by:** 33

Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

Sustainability and the Capital Planning Process

Plan for the future:

- Our students, our accreditation requirements, the degrees we offer, pedagogical methods and research will advance – it's our job to plan for and enable change
- Environmental impacts of new projects come well after budget approval, think and plan for those at the campus level – not just the project level
- Encompass climate change considerations in all campus planning

The knowledge enterprise continues to inform the design of our learning environment

- 170 years of building technology to operate, maintain, live in, learn in, account for…

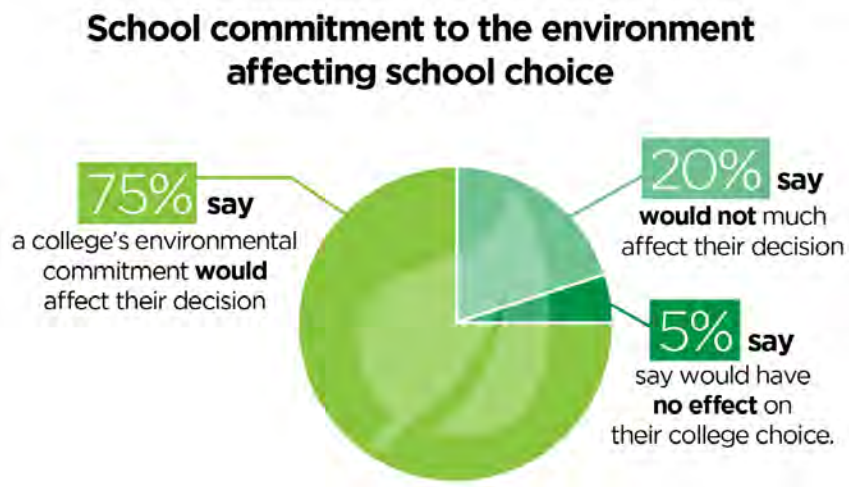
Sustainability supports project approval via

- Connecting our institutional mission to the campus environment
- Campus environment aligns projects with UW-System and State Goals
  WI Clean Energy Plan: https://osce.wi.gov/pages/cleanenergyplan.aspx

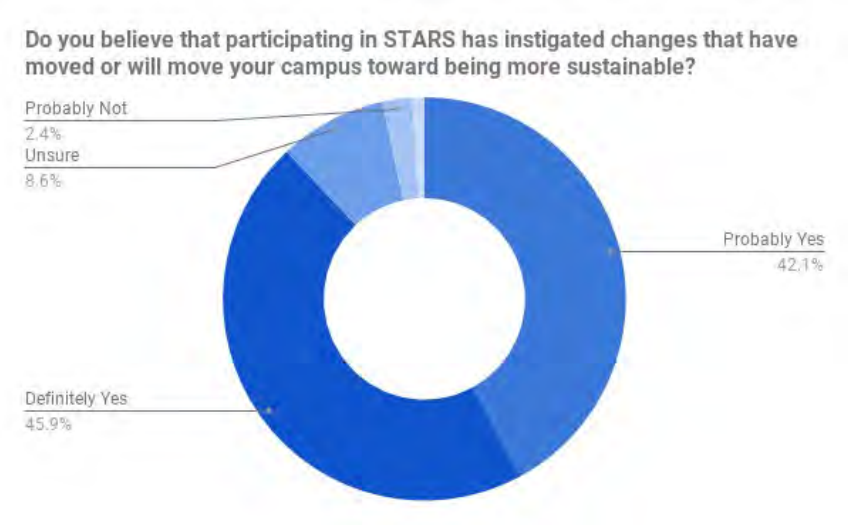
Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

Our Stakeholders Care

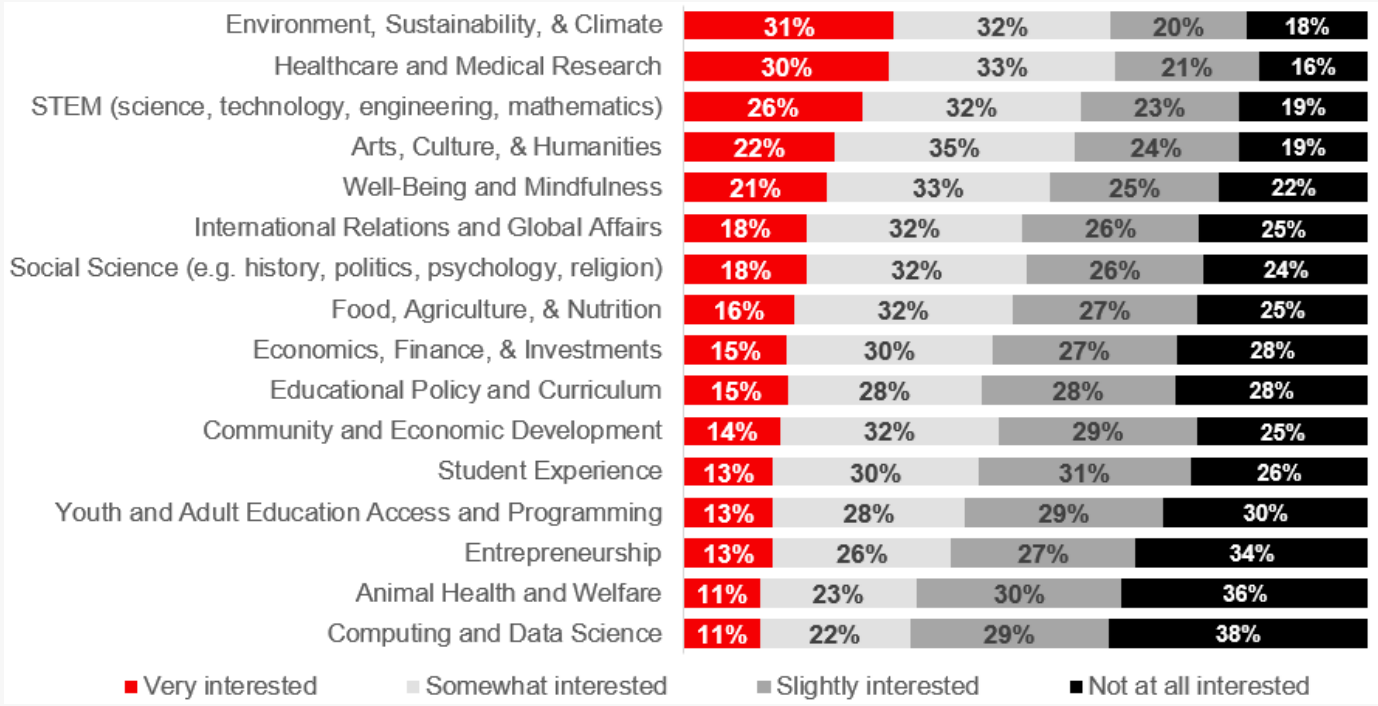
Prospective Students



Internal Culture Change



Alumni



Corporate & NGO

– Social Responsibility is a priority for 92% of corporate and nonprofit executives and 94% say SR initiatives are here to stay. *(PNC, 2022)*

- During 2020, 81% of a globally-representative selection of sustainable indexes outperformed their parent benchmarks. *(Blackrock, 2021)*

Office of Sustainability
UNIVERSITY OF WISCONSIN–MADISON

Appendix

Framework Details

Our Culture

Behavioral / Procedural Norms

Make sustainability principles part of our day-to-day interactions, operations, and decision-making

Our priorities:

- Integrate sustainability across campus
- Center social sustainability to support diversity, equity, inclusion, and access
- Establish UW-Madison as a leader in sustainability

Our Purpose

Research and Education

Elevate sustainability as a discipline, support collaborative research, and expand learning opportunities

Our priorities:

- Expand sustainability learning opportunities and collaborations
- Establish a distinctive home for sustainability research, education, and operations
- Champion sustainability research

Our Practice

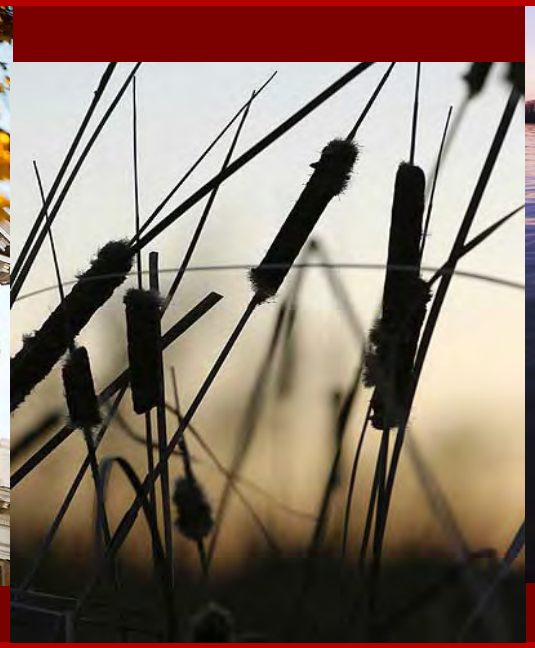
University Operations

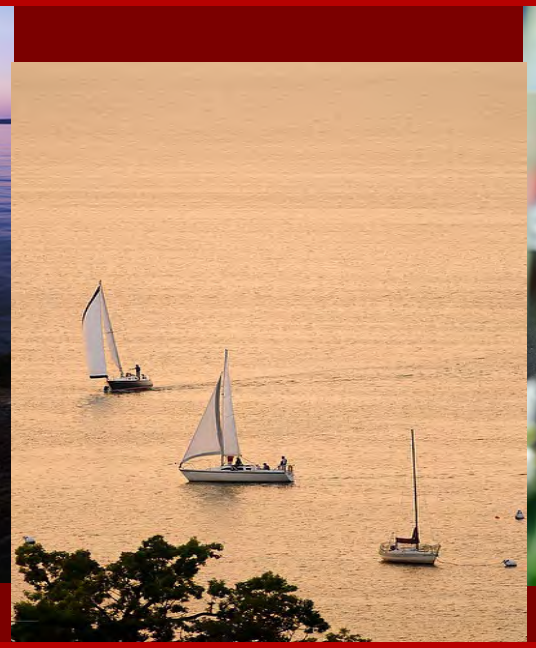
“Walk the talk” with policies, procedures, and systems that plan, design, build & operate a sustainable, regenerative university

Our priorities:

- Align campus environment to mission
- Center community health & wellness
- Promote a community of diversity & inclusion
- Pursue carbon neutrality
- Achieve zero waste

Campus Planning Committee Meeting October 20, 2022






STATE OF OUR STORMWATER

2022 Stormwater Management Program

UW-Madison MS4 WPDES Permit

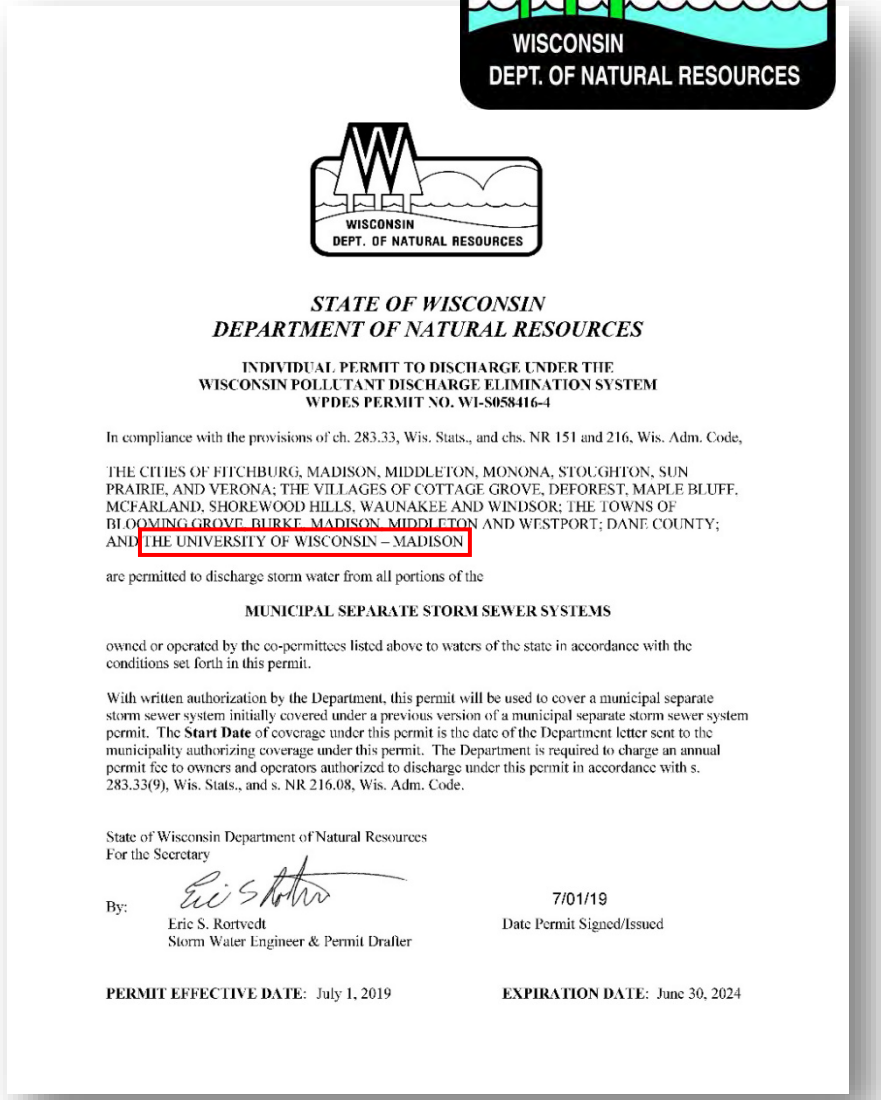
Environment, Health and Safety Department
UNIVERSITY OF WISCONSIN-MADISON

WPDES Permit No. WI-S058416-4

Covers all storm water discharges from UW-Madison municipal separate storm sewer systems.

- Group Permit that covers 21 municipalities around the Madison Area.

The intent is to have permittees implement programs known to increase the water quality of surface water runoff.



WISCONSIN DEPT. OF NATURAL RESOURCES

WISCONSIN DEPT. OF NATURAL RESOURCES

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES

INDIVIDUAL PERMIT TO DISCHARGE UNDER THE WISCONSIN POLLUTANT DISCHARGE ELIMINATION SYSTEM
WPDES PERMIT NO. WI-S058416-4

In compliance with the provisions of ch. 283.33, Wis. Stats., and chs. NR 151 and 216, Wis. Adm. Code,

THE CITIES OF FITCHBURG, MADISON, MIDDLETON, MONONA, STOUGHTON, SUN PRAIRIE, AND VERONA; THE VILLAGES OF COTTAGE GROVE, DEFOREST, MAPLE BLUFF, MCFARLAND, SHOREWOOD HILLS, WAUNAKEE AND WINDSOR; THE TOWNS OF BLOOMING GROVE, BURKE, MADISON, MIDDLETON AND WESTPORT; DANE COUNTY; AND THE UNIVERSITY OF WISCONSIN – MADISON

are permitted to discharge storm water from all portions of the

MUNICIPAL SEPARATE STORM SEWER SYSTEMS

owned or operated by the co-permittees listed above to waters of the state in accordance with the conditions set forth in this permit.

With written authorization by the Department, this permit will be used to cover a municipal separate storm sewer system initially covered under a previous version of a municipal separate storm sewer system permit. The **Start Date** of coverage under this permit is the date of the Department letter sent to the municipality authorizing coverage under this permit. The Department is required to charge an annual permit fee to owners and operators authorized to discharge under this permit in accordance with s. 283.33(9), Wis. Stats., and s. NR 216.08, Wis. Adm. Code.

State of Wisconsin Department of Natural Resources
For the Secretary

By: Eric S. Rortvedt
Storm Water Engineer & Permit Drafter

7/01/19
Date Permit Signed/Issued

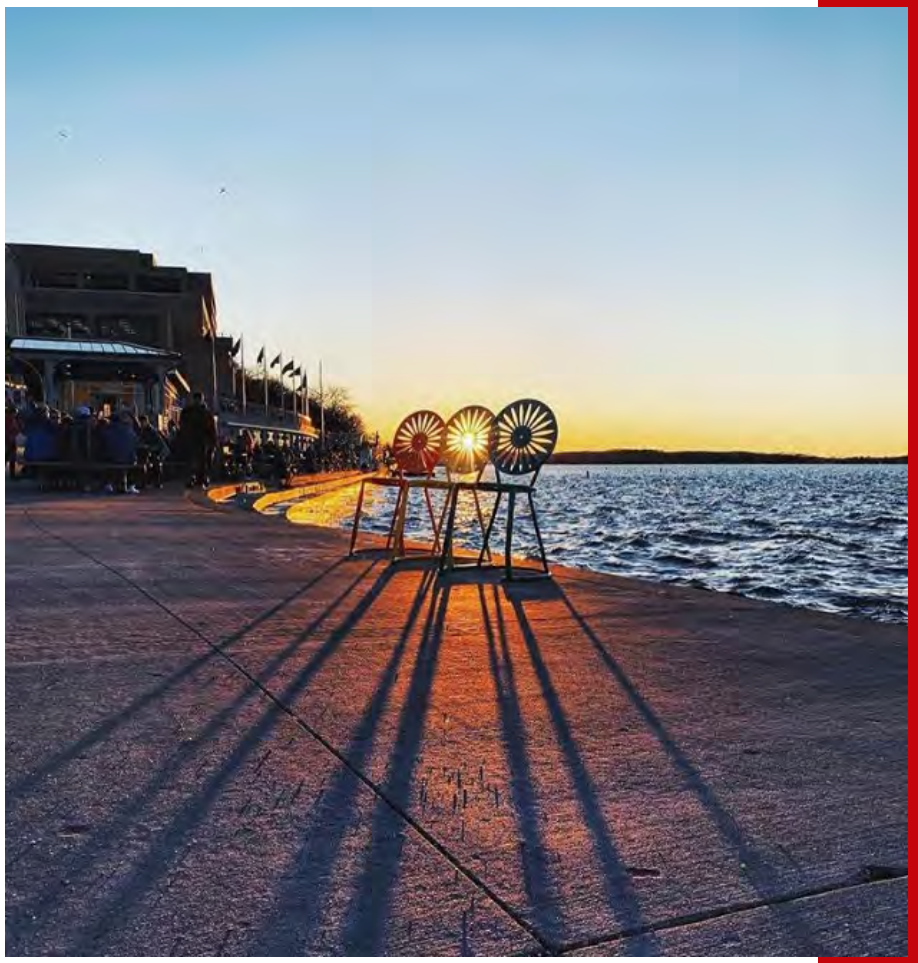
PERMIT EFFECTIVE DATE: July 1, 2019

EXPIRATION DATE: June 30, 2024

Stormwater Management Program and Reporting

Target Areas for Improved Stormwater

- Public Education and Outreach
- Public Involvement and Participation
- Illicit Discharge Detection and Elimination
- Construction Site Pollutant Control
- Post-Construction Storm Water Management
- Pollution Prevention
- Interagency Agreements

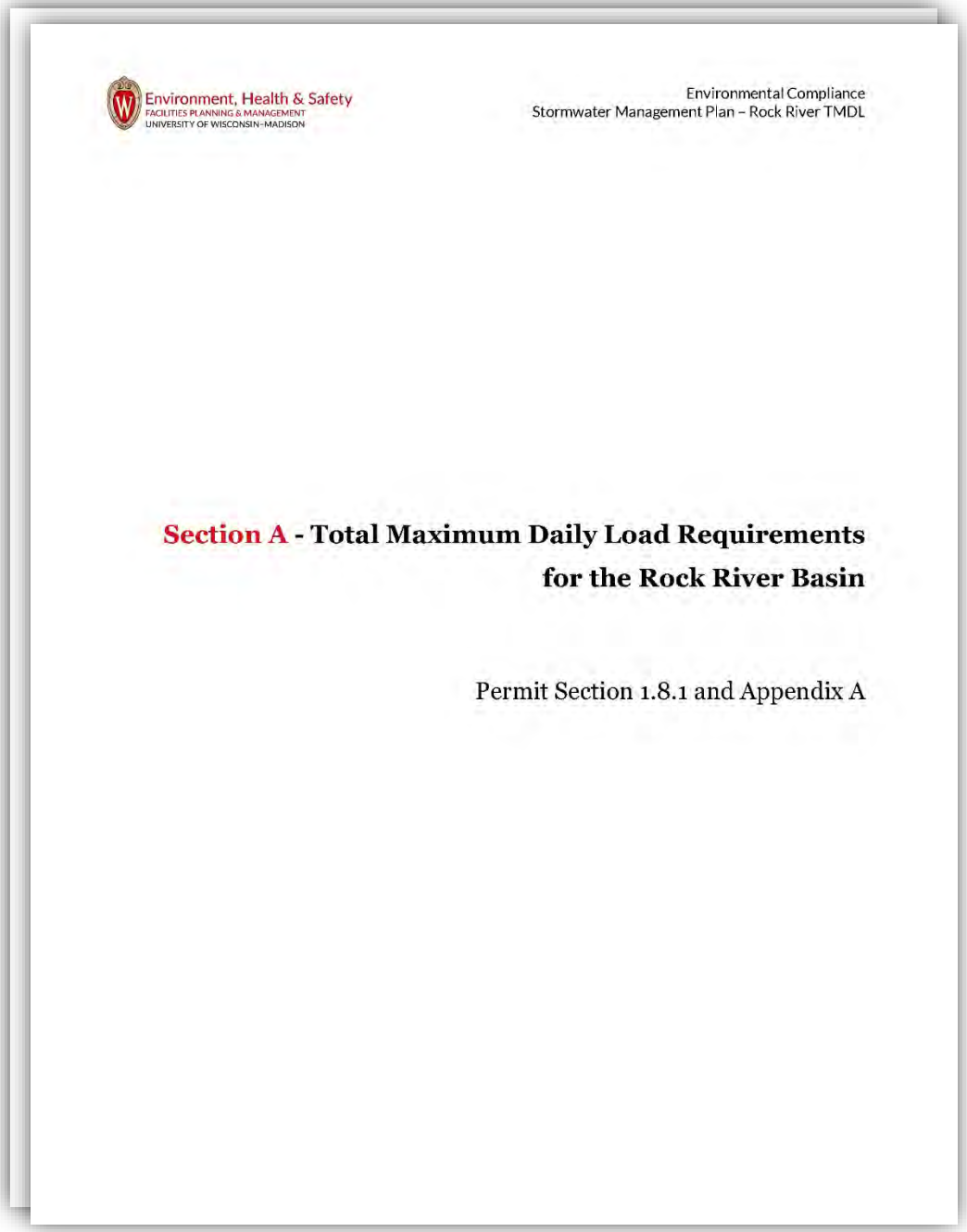


UW-Madison Stormwater Management Plan - 2022

WISCONSIN
UNIVERSITY OF WISCONSIN–MADISON

STORMWATER MANAGEMENT PLAN
Campus – 2022 (Rev. 1)

MS4 WPDES Permit No. WI-S058416-4



UW-Madison Stormwater Management Plan - 2022

UW-Madison Stormwater Management Plan - 2022

Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN-MADISON

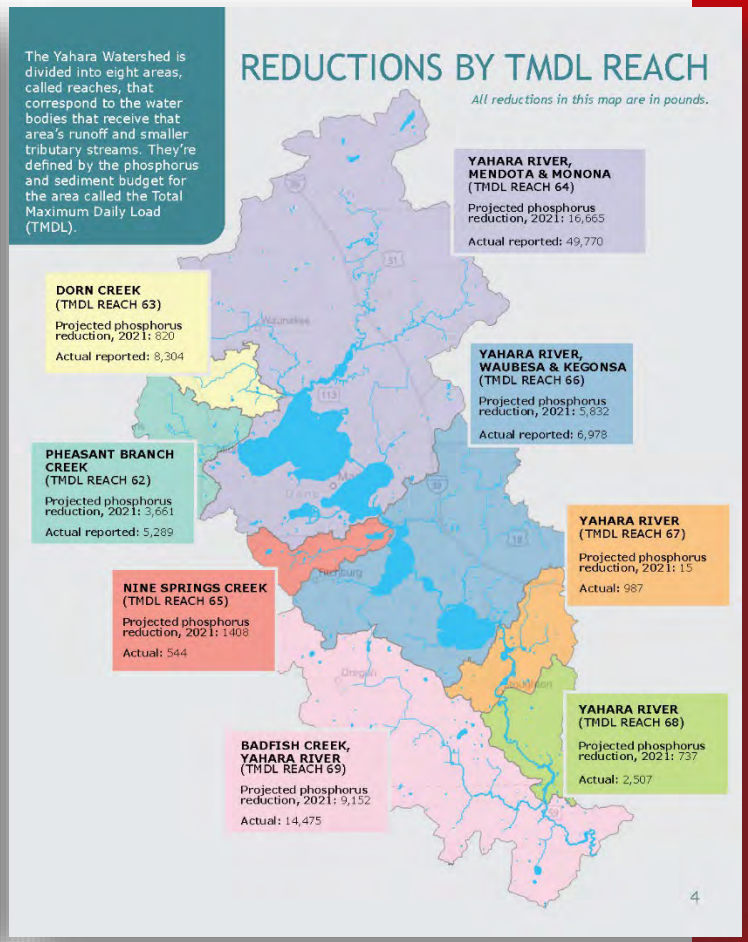
Environmental Compliance
Stormwater Management Plan – Rock River TMDL

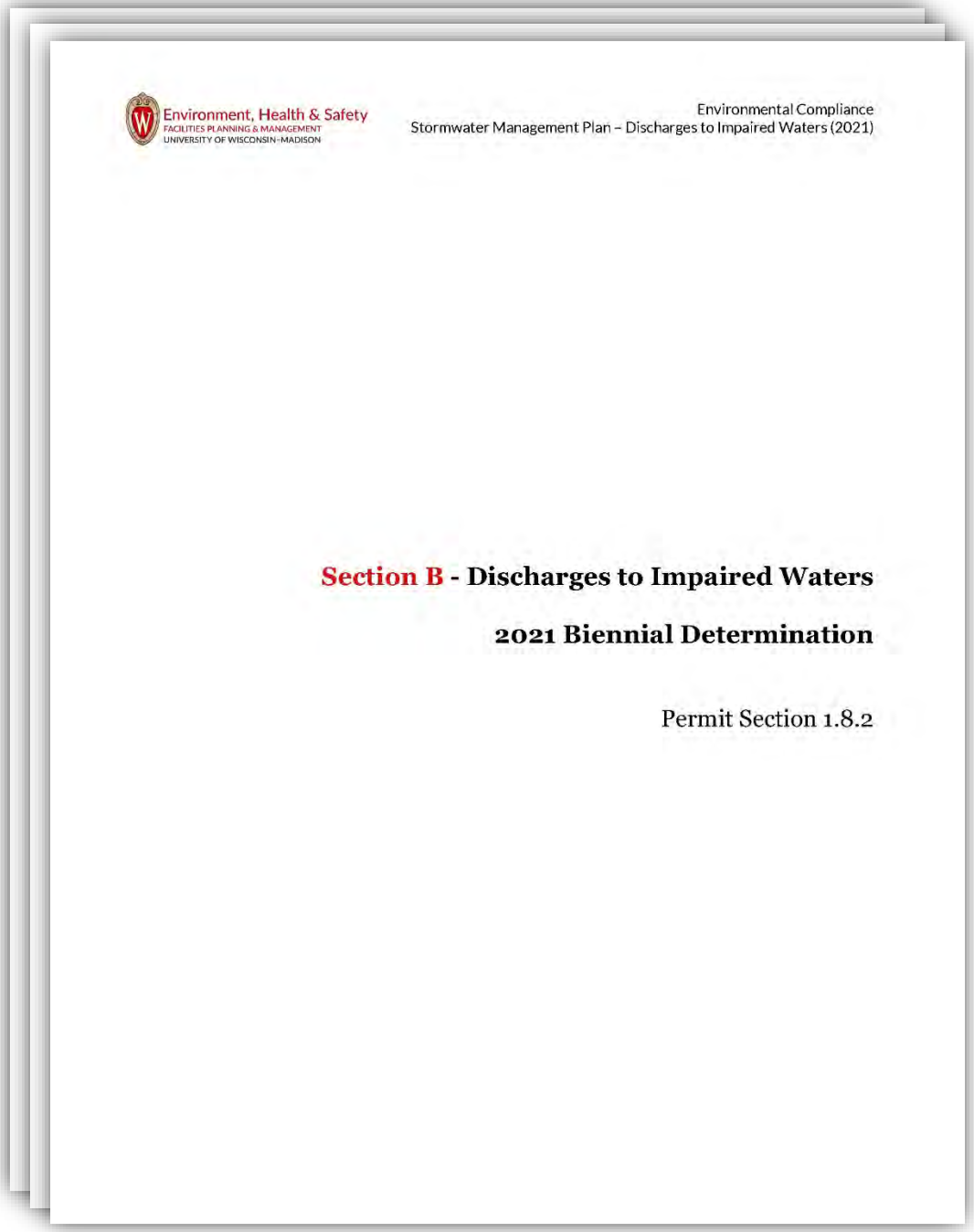
Section A - Total Maximum Daily Load Requirements for the Rock River Basin

Permit Section 1.8.1 and Appendix A

Yahara WINS 2021 Annual Report

Yahara WINS





UW-Madison Stormwater Management Plan - 2022

Section B - Discharges to Impaired Waters

2021 Biennial Determination

Permit Section 1.8.2

Lake Mendota - is impaired for Total Phosphorous, which has an approved Total Maximum Daily Load (TMDL). The Rock River TMDL for Total Phosphorous and Total Suspended Solids was officially approved by the USEPA in September 2011. UW-Madison is a participant in the YaharaWINS adaptive management program, as discussed in Section A of this Stormwater Management Plan, to maintain compliance with TMDL requirements.

Also, of note, a large portion of the area west of Babcock Drive and east of Highland Avenue of the UW-Madison permit area drains to Willow Creek, that ultimately drains to Lake Mendota. Willow Creek is not listed as an impaired waterway. It is UW-Madison practice to treat these two watershed areas the same regarding operations because they both fall under the area covered by the Rock River TMDL.

In addition, as of 1/22/2021, PCBs are no longer an impairment to Lake Mendota.

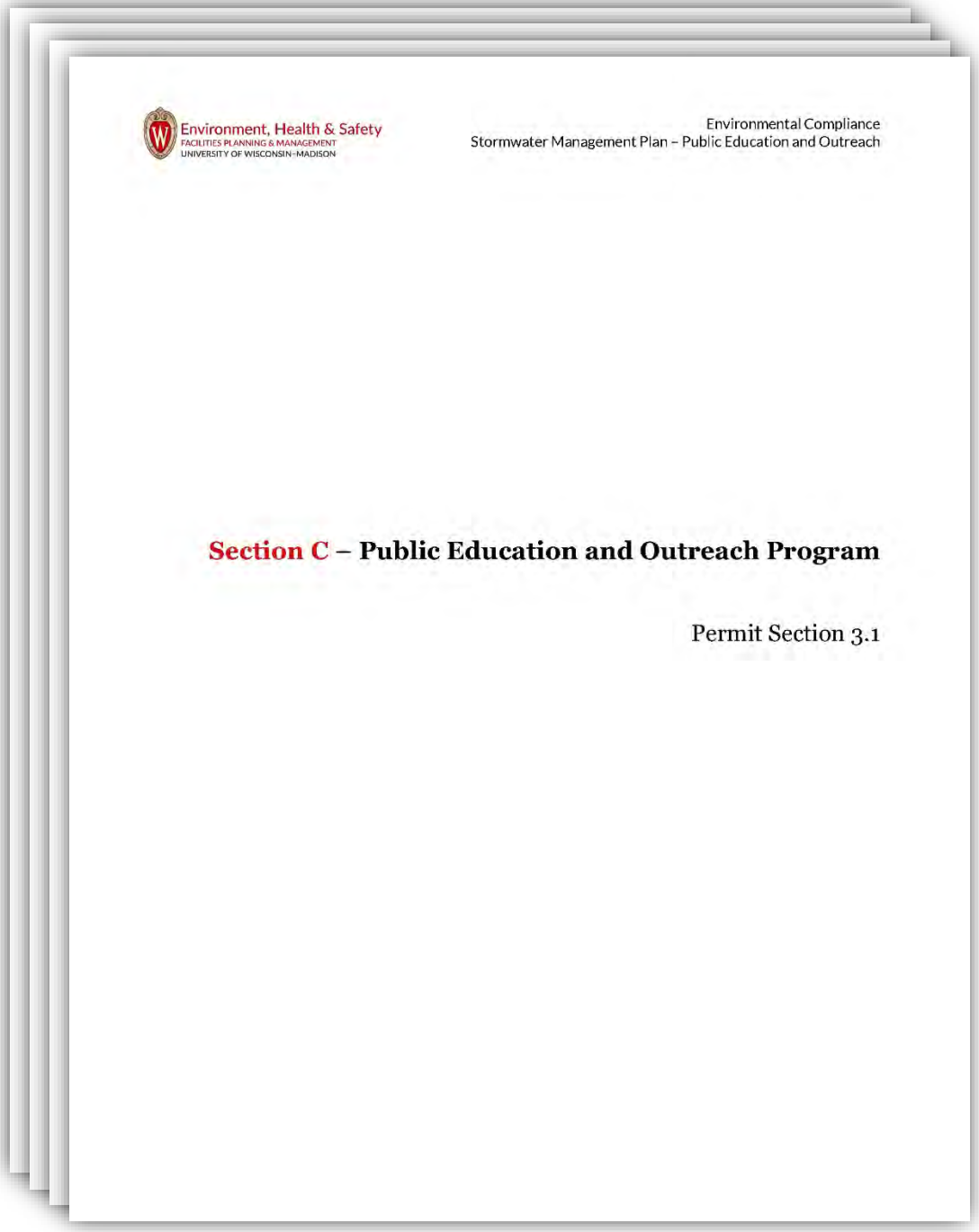
Lake Monona is impaired for Total Phosphorus, PCBs, and PFOS (new in 2021). The Lake Monona impairment for Total Phosphorous is also included in the approved Rock River TMDL.

The PCBs and PFOS impairments for Lake Monona do not have an approved TMDL. As a result, UW-Madison must conduct management practices and control measures to reduce, with the goal of eliminating, the discharge of PCBs and PFOS.

In 2021 UW-Madison conducted a survey of all building managers for any supplies of the fire-fighting Aqueous film-Forming Foam (AFFF), containing PFOS. No AFFF containing PFOS was identified and no other sources of PFOS were identified on campus. Further, if any PCBs are identified on-campus, they are managed for off-site disposal. There are no known of sources of PCBs to stormwater discharges.

In the future, if sources of PFOS or PCBs are found, UW-Madison will determine specific control measures and practices that will be collectively used to try to eliminate the discharge of PCBs or PFOS. The control measures and practices will be identified and discussed in the subsequent annual MS4 permit reporting. Those discussions will explain why control measures and practices were chosen as opposed to other alternatives.

Rock River TMDL, Wisc. Admin Code NR216 mandates that MS4s owners and operators perform a series of practices and standards in addition to meeting set performance standards for the entire MS4 area. Though none of the water bodies that UW-Madison directly discharge to are impaired for suspended solids (TSS), with the adoption of the Rock River TMDL, UW-Madison standard of meeting 40-percent TSS reduction in the MS4 permit area was increased to meet the relevant waste load allocation (WLA) set forth in the TMDL. Reach 64, which is the reach of the Rock River watershed in which UW-Madison resides, has a WLA equivalent to 73-percent reduction of TSS.



UW-Madison Stormwater Management Plan - 2022

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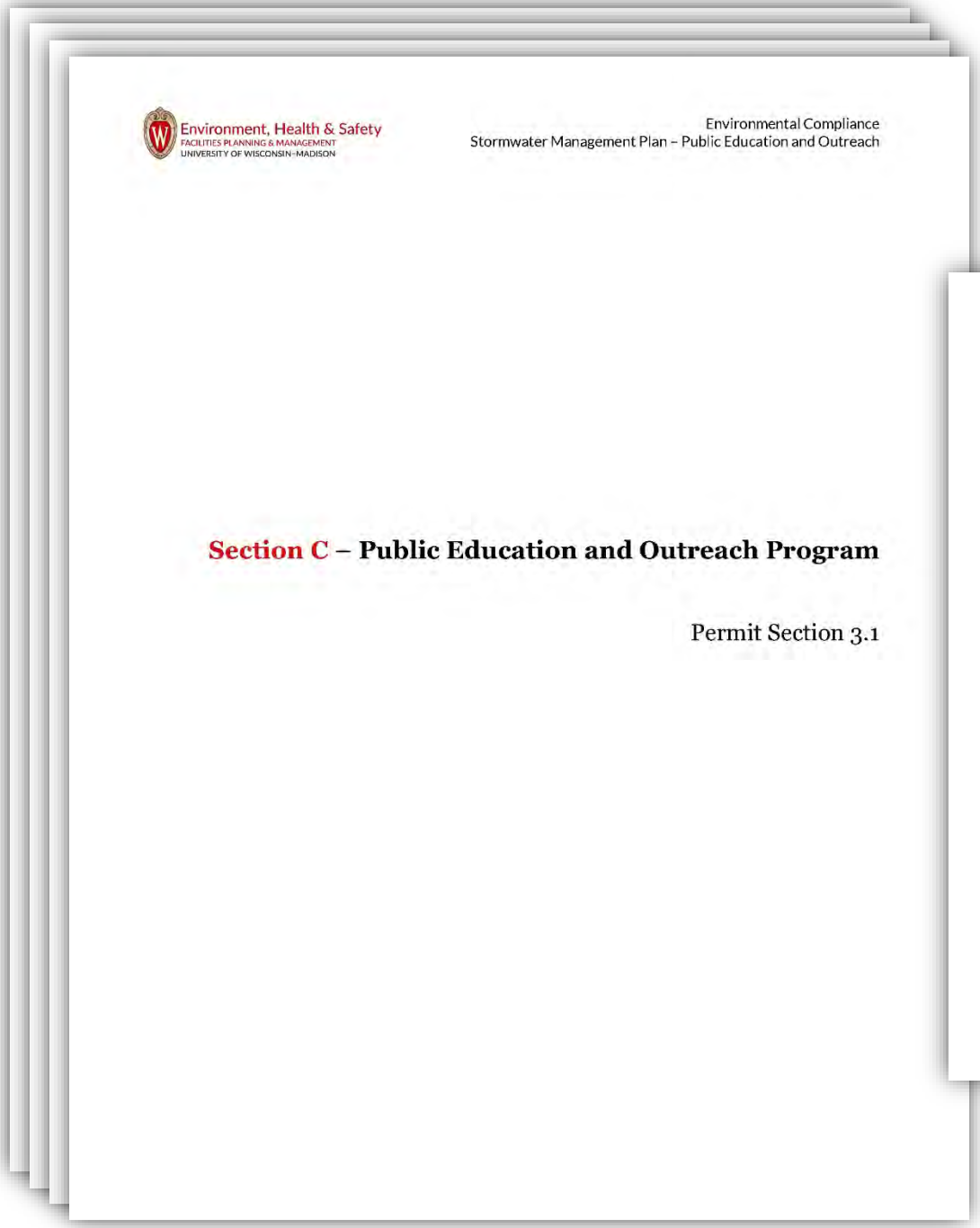

Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN-MADISON

Environmental Compliance
Stormwater Management Plan – Public Education and Outreach

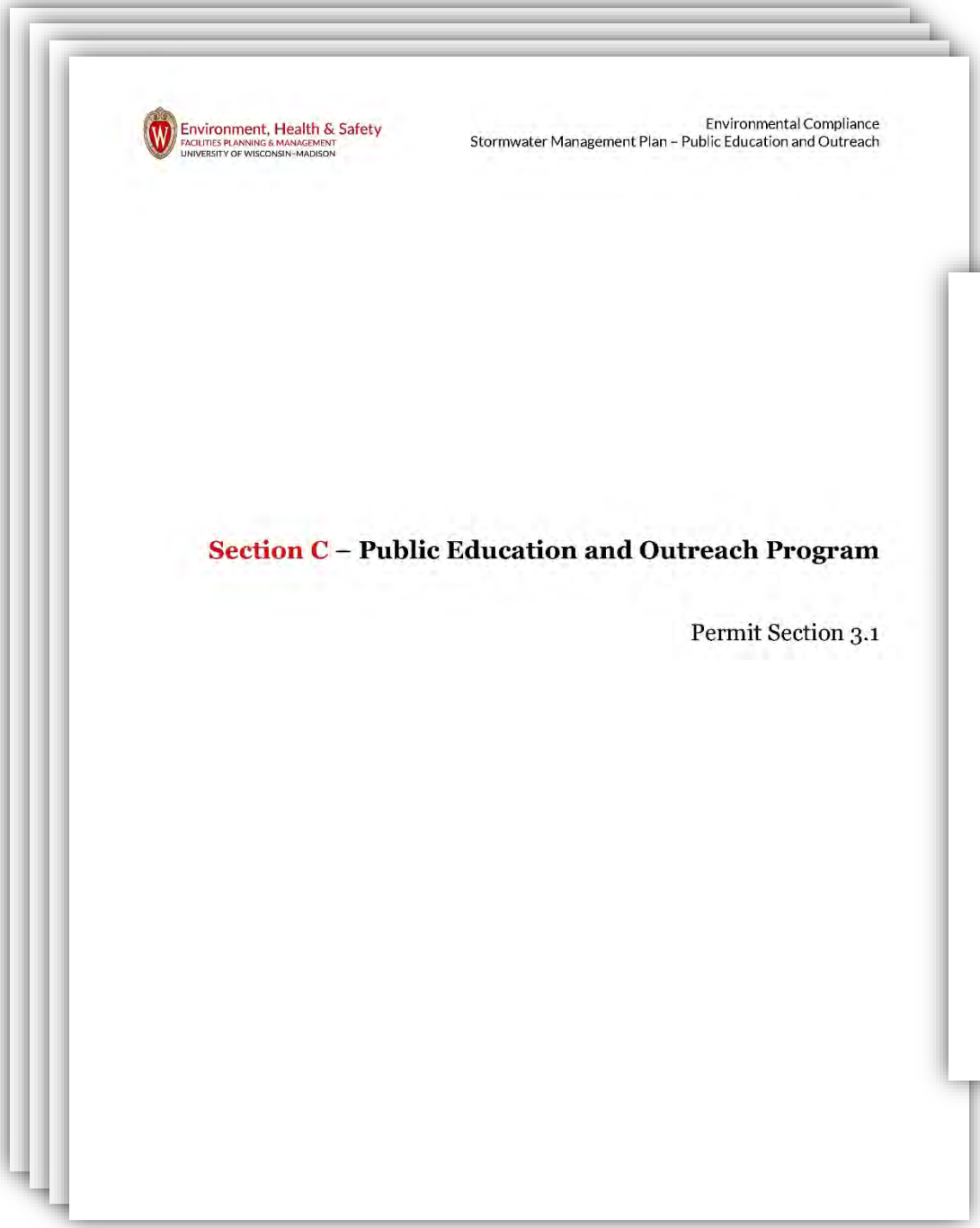
Section C – Public Education and Outreach Program

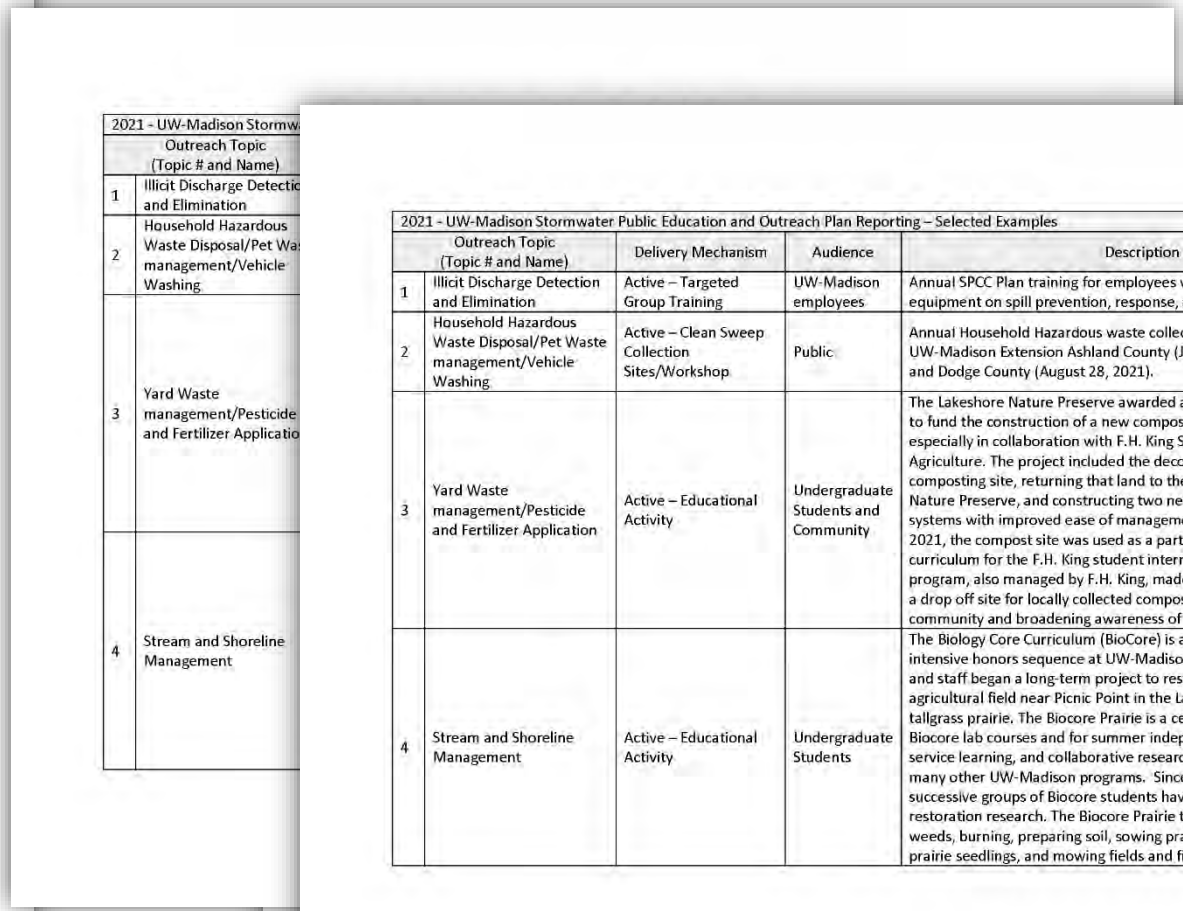
Permit Section 3.1

2021 - UW-Madison Stormwater Public Education and Outreach Plan Reporting – Selected Examples

	Outreach Topic (Topic # and Name)	Delivery Mechanism	Audience	Description
1	Illicit Discharge Detection and Elimination	Active – Targeted Group Training	UW-Madison employees	Annual SPCC Plan training for employees who operate oil-containing equipment on spill prevention, response, and reporting.
2	Household Hazardous Waste Disposal/Pet Waste management/Vehicle Washing	Active – Clean Sweep Collection Sites/Workshop	Public	Annual Household Hazardous waste collection sites coordinated by UW-Madison Extension Ashland County (June 22 and 23, 2021) and Dodge County (August 28, 2021).
3	Yard Waste management/Pesticide and Fertilizer Application	Active – Educational Activity	Undergraduate Students and Community	The Lakeshore Nature Preserve awarded a Student Engagement Grant to fund the construction of a new compost site to be used by students, especially in collaboration with F.H. King Students for Sustainable Agriculture. The project included the deconstruction of the previous composting site, returning that land to the care of the Lakeshore Nature Preserve, and constructing two new types of composting systems with improved ease of management. Over the summer of 2021, the compost site was used as a part of the educational curriculum for the F.H. King student internship. The Full Cycle Freight program, also managed by F.H. King, made use of the new structure as a drop off site for locally collected compost, connecting students to community and broadening awareness of local waste systems
4	Stream and Shoreline Management	Active – Educational Activity	Undergraduate Students	The Biology Core Curriculum (BioCore) is a four-semester laboratory-intensive honors sequence at UW-Madison. In 1997, Biocore students and staff began a long-term project to restore an abandoned agricultural field near Picnic Point in the Lakeshore Nature Preserve to tallgrass prairie. The Biocore Prairie is a central field site for two Biocore lab courses and for summer independent research projects, service learning, and collaborative research and teaching efforts with many other UW-Madison programs. Since this project started, successive groups of Biocore students have helped plan and carry out restoration research. The Biocore Prairie team has been hand-pulling weeds, burning, preparing soil, sowing prairie seed, transplanting prairie seedlings, and mowing fields and fire breaks.

UW-Madison Stormwater Management Plan - 2022





2021 - UW-Madison Stormwa

	Outreach Topic (Topic # and Name)
1	Illicit Discharge Detectic and Elimination
2	Household Hazardous Waste Disposal/Pet Wa management/Vehicle Washing
3	Yard Waste management/Pesticide and Fertilizer Applicatio
4	Stream and Shoreline Management

2021 - UW-Madison Stormwater Public Education and Outreach Plan Reporting – Selected Examples

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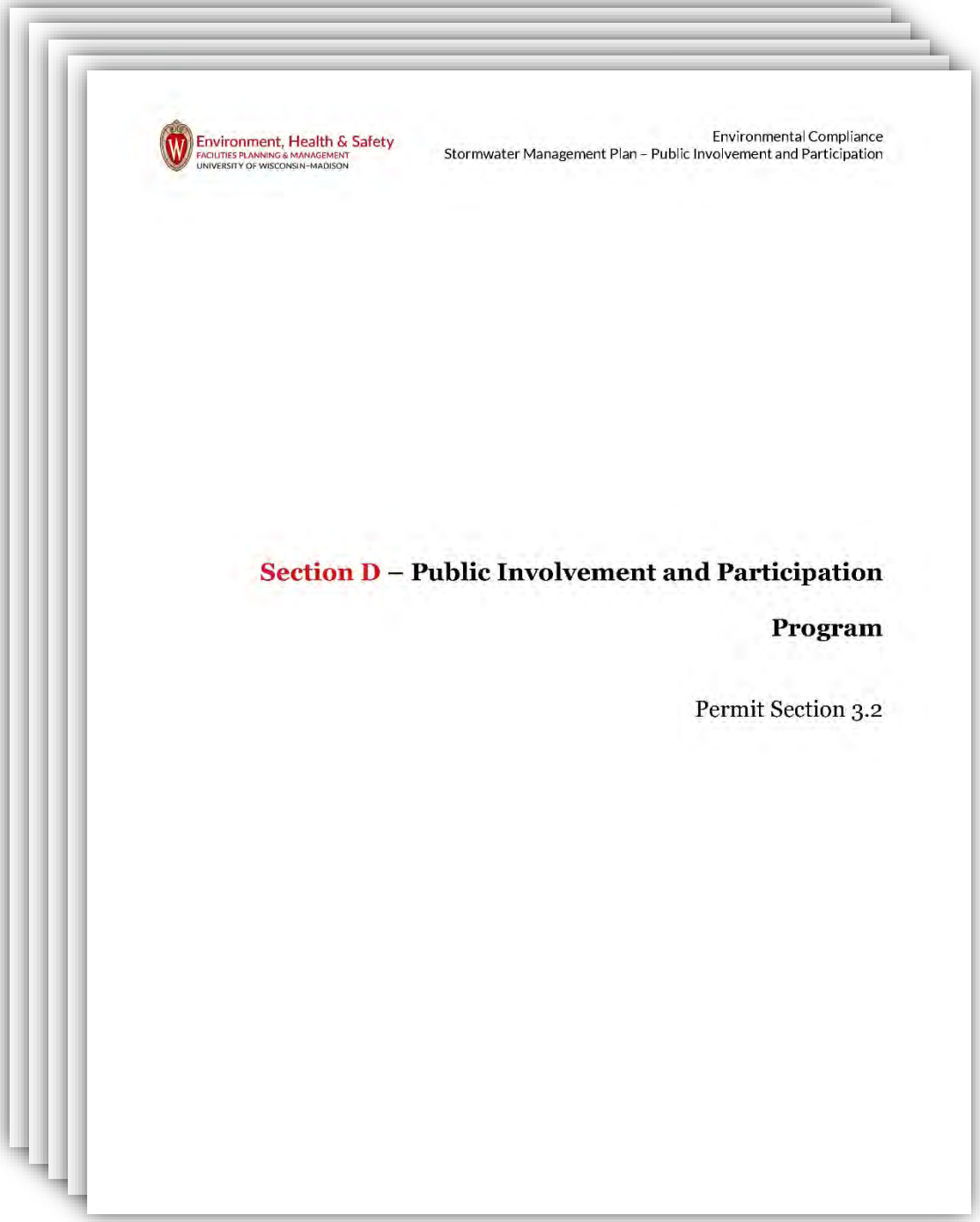

UW-Madison Stormwater Management Plan - 2022

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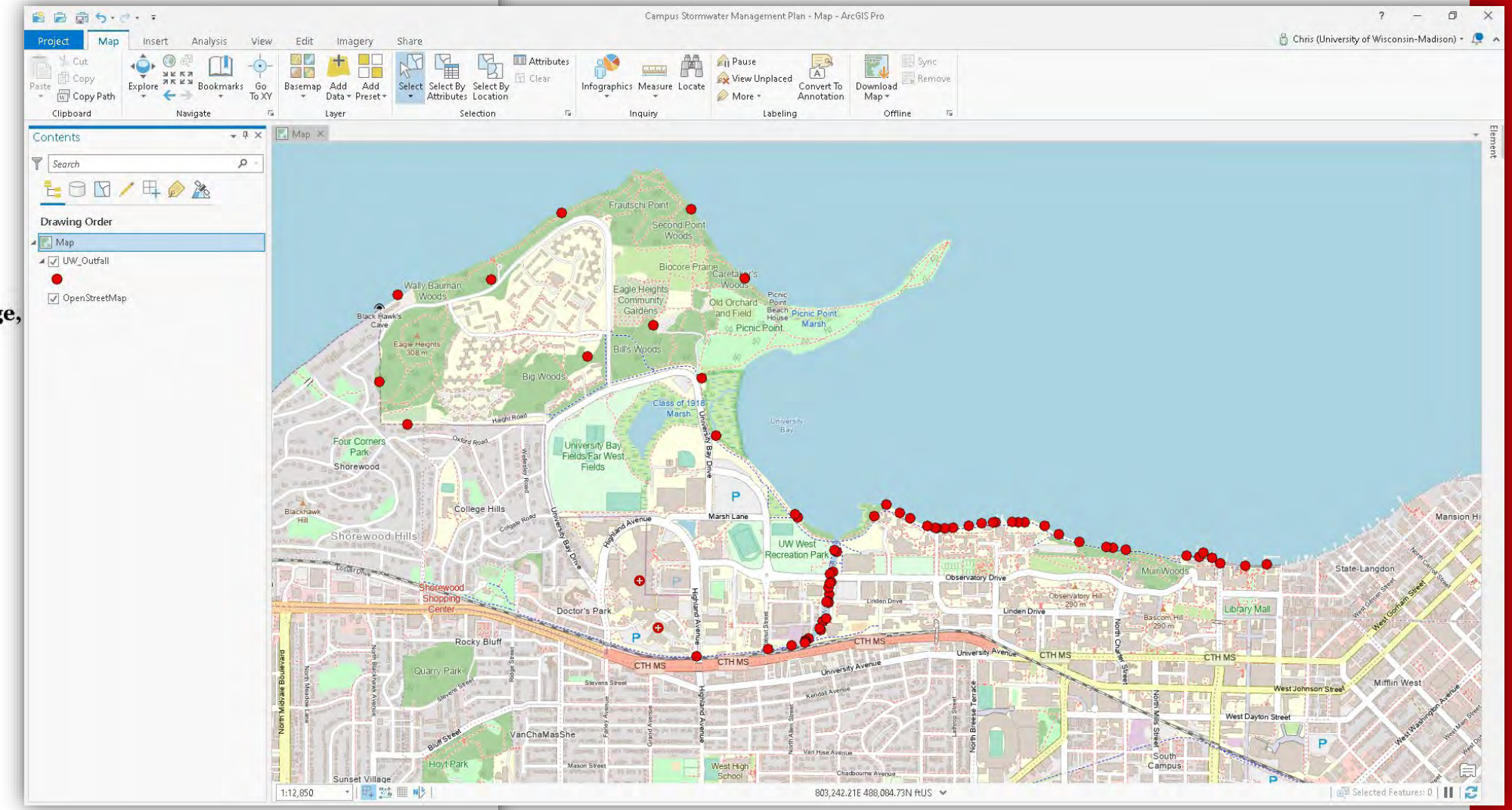
UW-Madison Stormwater Management Plan - 2022

Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN–MADISON

Environmental Compliance
Stormwater Management Plan – Illicit Discharge Detection Elimination

Illicit Discharge,

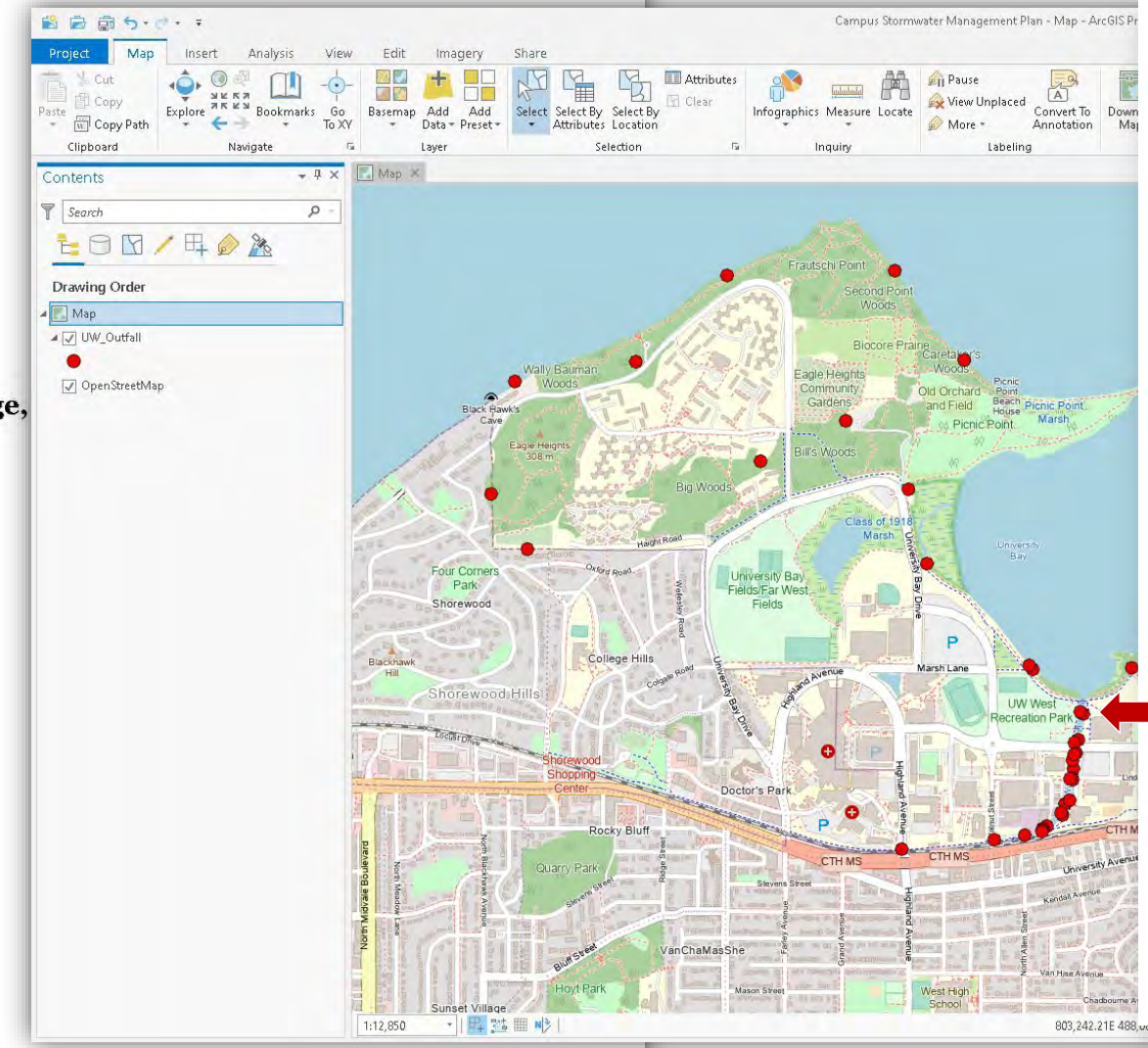


UW-Madison Stormwater Management Plan - 2022

Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN-MADISON

Environmental Compliance
Stormwater Management Plan – Illicit Discharge Detection Elimination

Illicit Discharge,



Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN-MADISON

Environmental Compliance
MS4 Outfall – Flow Evaluation Form
EHS-ENV-FRM-202-V2

MS4 OUTFALL – FLOW EVALUATION FORM

OUTFALL: UW_15

Inspector Name(s): Jeff Steele Date of Evaluation: 3/28/22

Dry Weather Flow Present at Outfall During Inspection: ☒ YES ☐ NO *(form not needed)*

Description of Flow Rate: ☐ Trickle ☒ Moderate ☐ Significant

Description of Flow Turbidity: hazy

Description of Flow Color: slightly cloudy

Odor Present: ☐ YES ☒ NO Description of Flow Odor:

Presence of Floating Solids, Scum, Sheen, or Substances Resulting in Deposits: ☐ YES ☒ NO

Description:

Sample Collected of Flow: ☐ YES ☒ NO Sample Name(s):

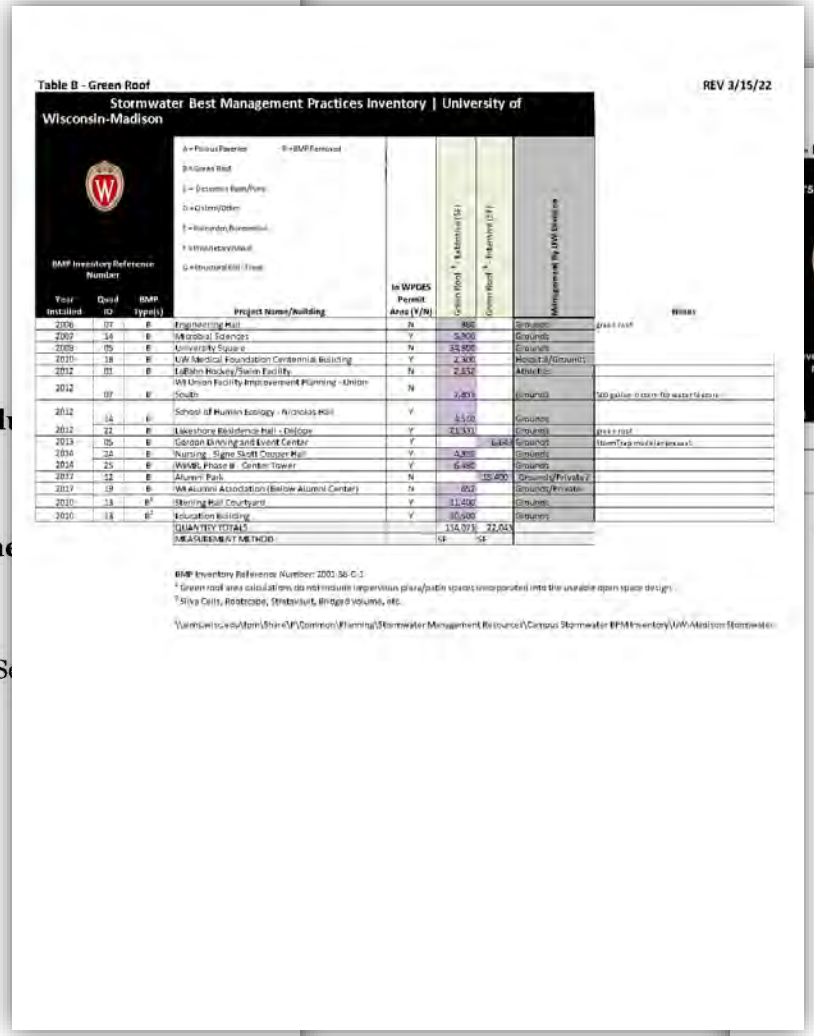
FIELD / LABORATORY ANALYSIS

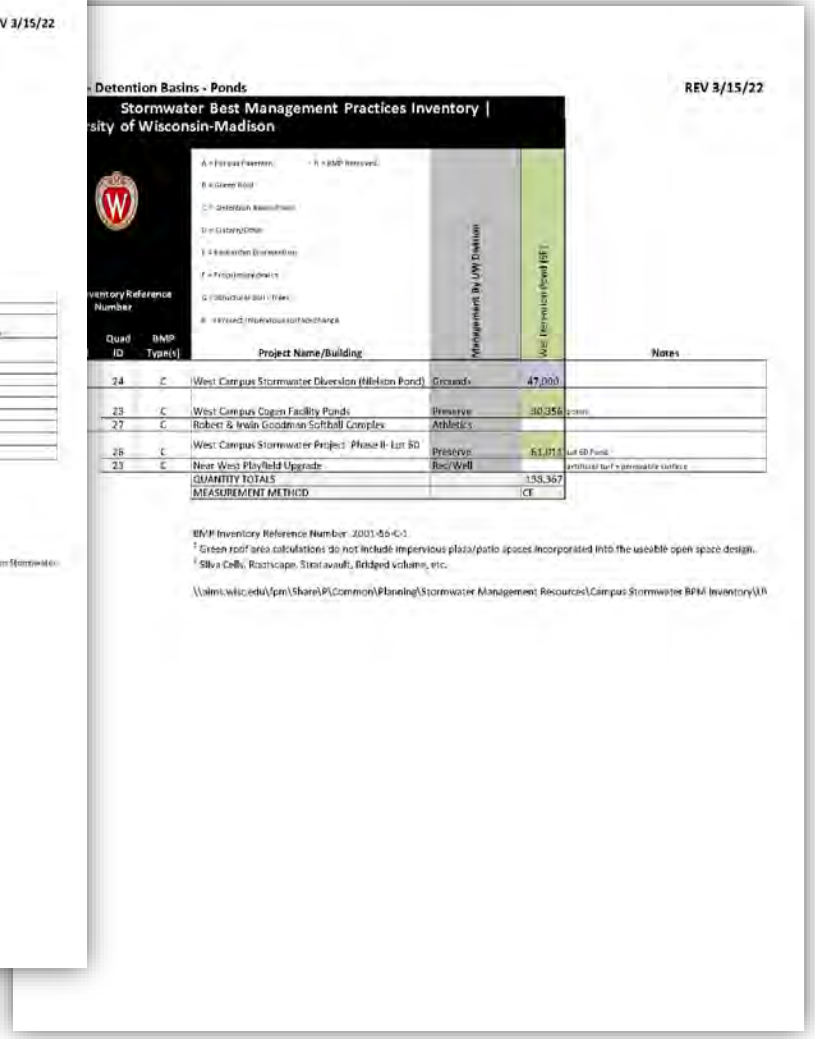
Laboratory Conducting Analysis (or indicated as field analysis):

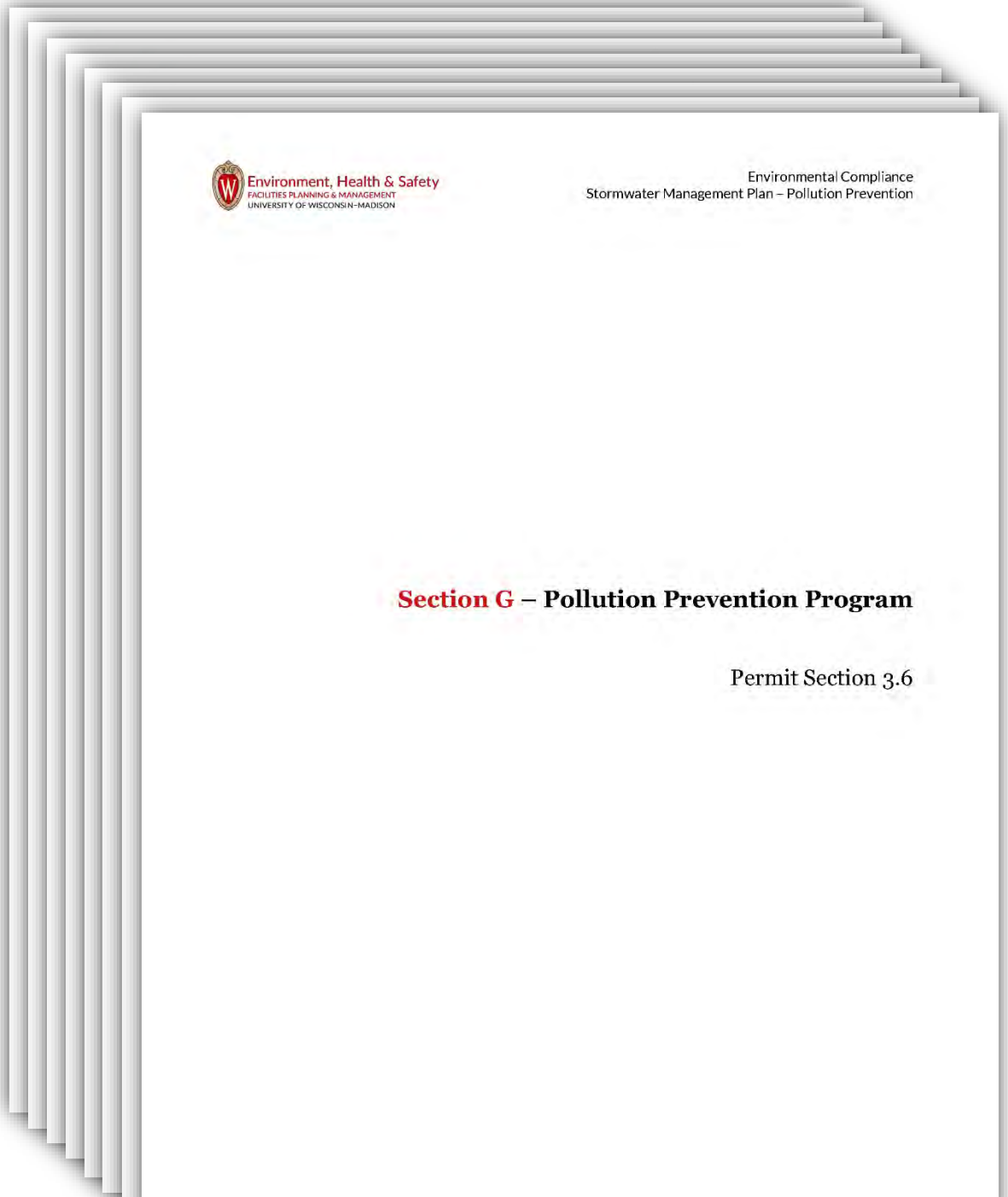
Parameter	Methodology	Results (units)	Field Analysis	Parameter	Methodology	Results (units)	Field Analysis
pH	8.2	Ion Selective electrode	☒	Other:			☐
Total Chlorine	0 mg/L	DPD	☒	Other:			☐
Total Copper	0 mg/L	Bicinchoninate	☒	Other:			☐
Total Phenol	0 mg/L	4-Aminoantipyrine	☒	Other:			☐
Detergents	0 mg/L	Toluidine Blue-O	☒	Other:			☐

UW-Madison Stormwater Management Plan - 2022

UW-Madison Stormwater Management Plan - 2022







UW-Madison Stormwater Management Plan - 2022

Stormwater Pollution Prevention Plan

University Recycle Lot
University Housing – Eagle Heights

WPDES Permit No. WI-S058416-4

200 Eagle Heights Drive
Madison, WI 53705

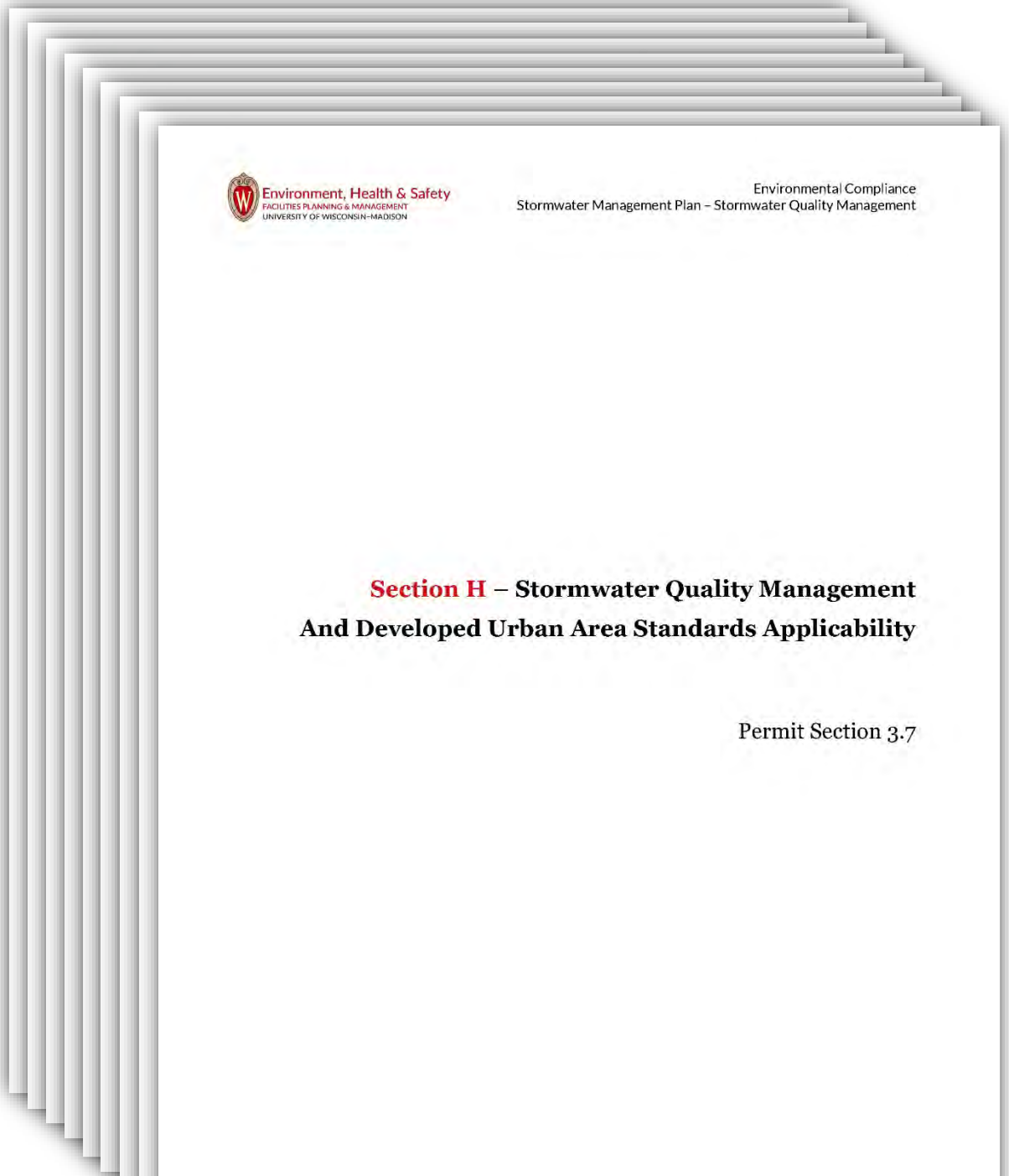
December 2020
(updated October 2021)

This SWPPP includes the following information:

- The University Housing's mission and Custodial role at the site;
- The importance of the storage of materials at the site;
- The SWPPP coordinator and a description of the coordinator's duties;
- The other members of the SWPPP Pollution Prevention Team and their responsibilities;
- The facility, with information on location and activities, including a site map showing the stormwater drainage system, potential sources of contaminants and Best Management Practices (BMPs);
- The potential stormwater contaminants;
- The stormwater management controls and various BMPs on site to reduce pollutants in stormwater discharges;
- The site's monitoring plan; and
- The implementation schedule and provisions for amendment of the plan.

2.0 Site Description

Name of Facility	UW-Madison University Recycle Lot at Eagle Heights
Facility Location	200 Eagle Heights Drive in n Madison, WI 53705. The site is located southwest of the intersection of Eagle Heights Drive and Lake Mendota Drive, south of Lot Z.
Facility & Operator Contact (Name, Title, Telephone, Mailing Address)	Gebriel D Lefeber, Director of Apartment Facilities; (608) 262-1018; Apartment Facilities Office, 2902 Haight Road; Madison, WI 53705
Facility Information: (Facility Permit Name: Permit Number, Date of Expiration, Number of Stormwater Outfalls, Number of WPDES Outfalls, Receiving Water)	WPDES WI-S058416-4 for stormwater discharges (MS4 permit) Date of Expiration: June 30, 2024 Number of Stormwater Outfalls: One (SW001) Number of WPDES Wastewater Outfalls: None MS4 Inlets and Outlets: None Receiving Waters: "Class of 1918 Marsh"
Emergency Contact (Name, Telephone)	Gebriel D. Lefeber (see above)



UW-Madison Stormwater Management Plan - 2022

Section H – Stormwater Quality Management And Developed Urban Area Standards Applicability

Permit Section 3.7

Stormwater Quality Management (and Developed Urban Area Standards Applicability)

As required by Wisconsin regulations, there are minimum post-construction water quality standards that need to be met on all UW-Madison projects. Applicable standards for campus construction project can be found in Wis. Admin Code NR 151: Runoff Management and NR216: Stormwater Discharge Permits.

For certain developed areas, developed urban area standards for stormwater quality management are applicable instead of the standard post-construction performance standards found in NR 151 Subchapter III (excluding NR151.13). The developed urban area standards are applicable to:

> "...any incorporated municipality with an average density of 1,000 people per square mile or greater, based on the latest decennial census..." [NR 151.13(1)(a)],

The developed urban area standard is less restrictive than the other standard post-construction pollutant reduction requirements. For example, a 20-percent reduction in total suspended solids as opposed to a 40-percent reduction for redevelopment projects is required under the developed urban area standard. However, with the less restrictive developed urban area standards come additional requirements, as detailed in Section 3.7.1 of the MS4 permit and NR 151.13.

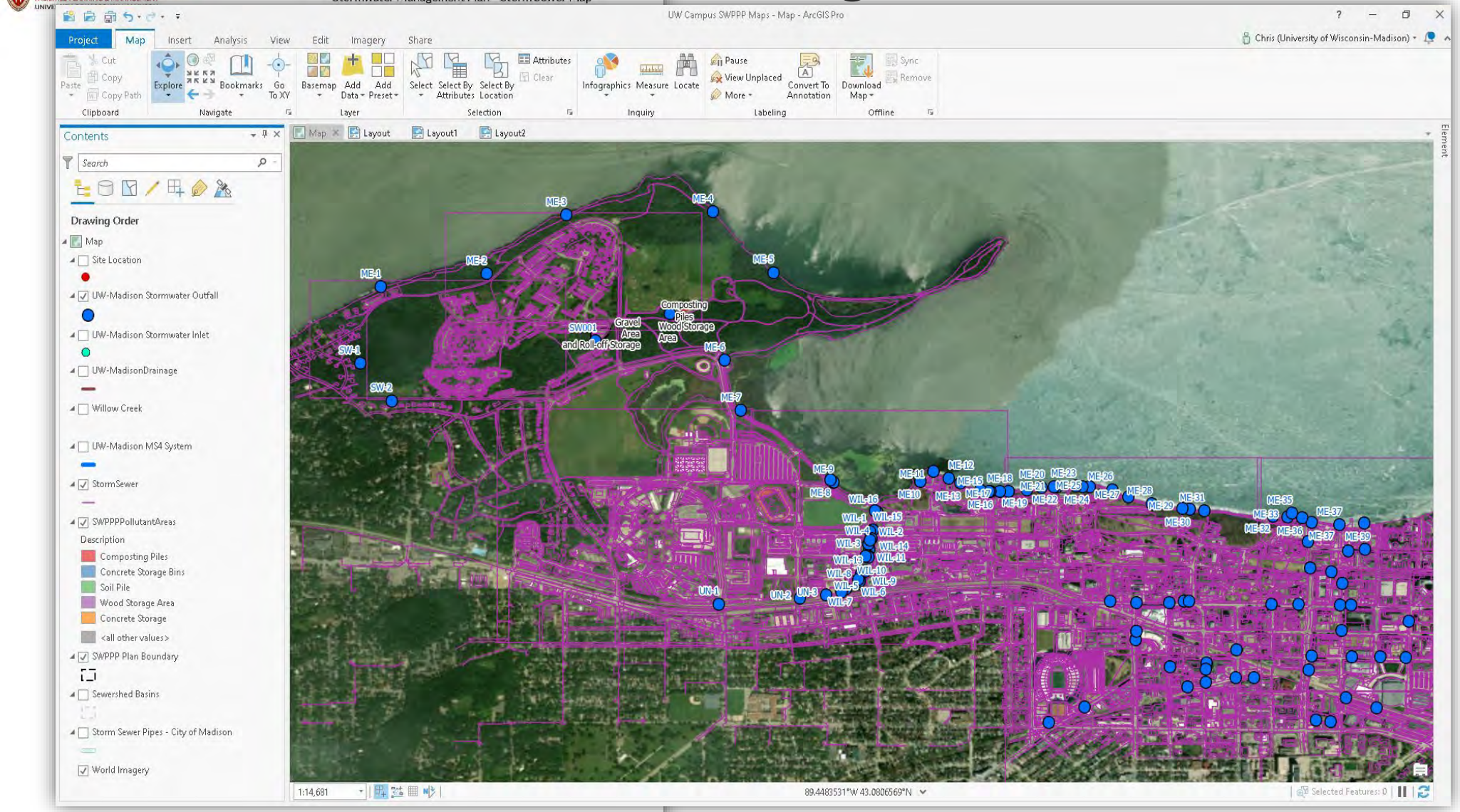
Though developed urban area standards may be applicable to some UW-Madison projects, the practice is to not utilize the less stringent reduction standards and instead use the established post-construction standards shown on Table 5.3 below (portions from "Green Infrastructure Master Plan, Page 82):

Table 5-3 Matrix of Applicable Developed Urbanized Area (MS4) Stormwater Performance Standards

Performance Standard	Current NR151/216	DFD Sustainability Guidelines	Rock River TMDL WLA & New Permit Target	City of Madison, Chapter 37
TSS Reduction (MS4 permit)	40% TSS for permitted MS4	N/A	73% TSS reduction from entire campus (Reach 64)	73% TSS reduction from entire campus (Reach 64)
Total Phosphorus (TP) Reduction (MS4)	Not specified	N/A	61% TP reduction from entire campus (Reach 64)	61% TP reduction from entire campus (Reach 64)
Public Education and Outreach	Implement education and outreach materials and programs	N/A	N/A	Comply with NR216
Public Involvement and Participation	Notify public of activities	N/A	N/A	Comply with NR216
Illicit Discharge Detection and Elimination	Establish a program to detect and enforce I&I	N/A	N/A	Comply with NR216
Construction Site Pollution Control	Procedures for inspecting, enforcing BMPs	N/A	Achieve TMDL WLA & ultimately, WQS	Applies to Land Disturbances > 4000SF
Post-Construction Site Stormwater Management	Enforce site BMPs and install regional BMPs to achieve performance standards	N/A	Achieve TMDL WLA & ultimately, WQS	Applies to Land Disturbances >20,000SF
Pollution Prevention	Source area controls (street sweeping, yard waste removal, etc)	N/A	Achieve TMDL WLA & ultimately, WQS	Comply with NR216

UW-Madison Stormwater Management Plan - 2022

UW-Madison Stormwater Management Plan - 2022



UW-Madison Stormwater Management Plan - 2022

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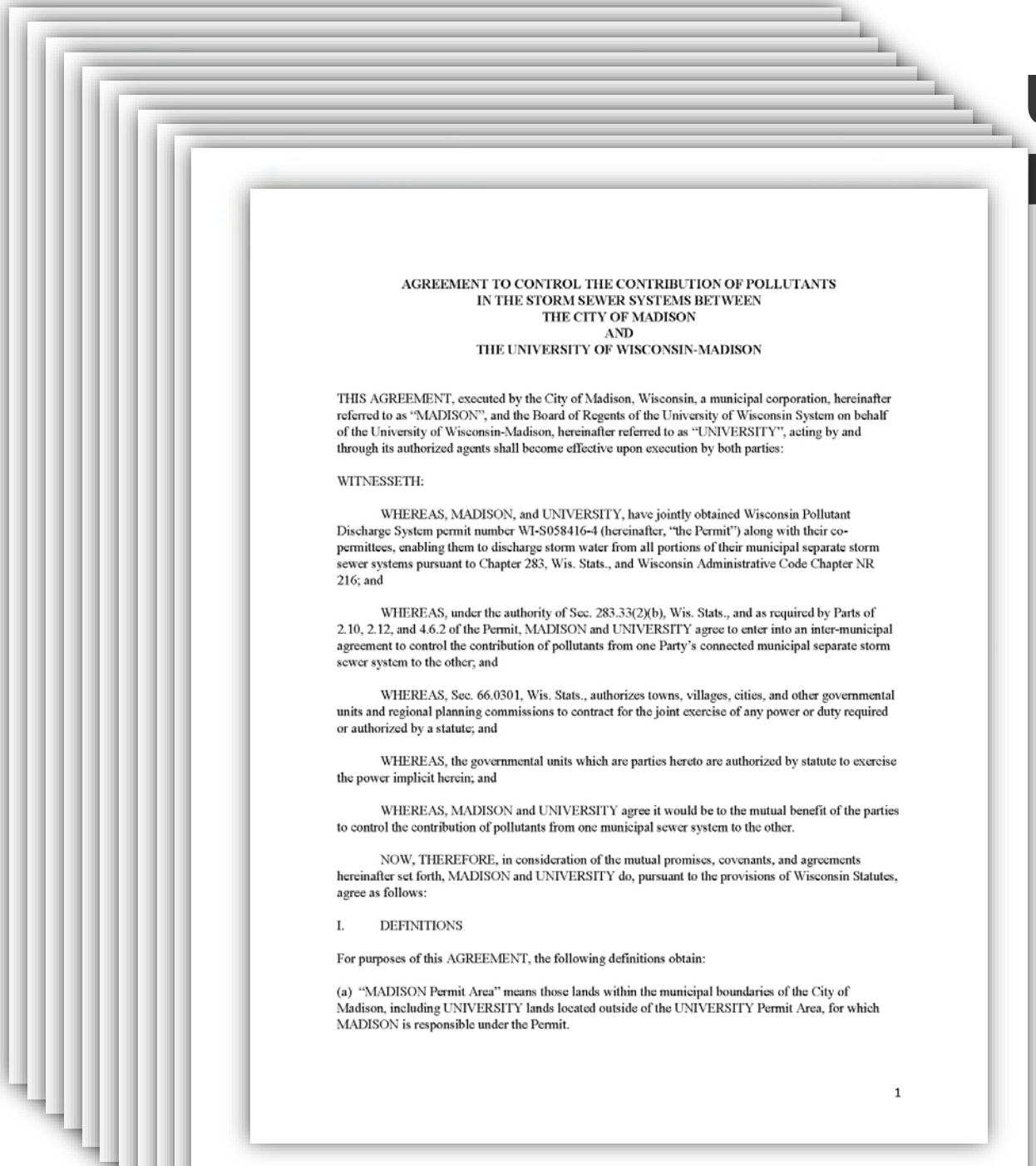


AGREEMENT TO CONTROL THE CONTRIBUTION OF POLLUTANTS
IN THE STORM SEWER SYSTEMS BETWEEN
THE CITY OF MADISON
AND
THE UNIVERSITY OF WISCONSIN-MADISON

THIS AGREEMENT, executed by the City of Madison, Wisconsin, a municipal corporation, hereinafter referred to as "MADISON", and the Board of Regents of the University of Wisconsin System on behalf of the University of Wisconsin-Madison, hereinafter referred to as "UNIVERSITY", acting by and through its authorized agents shall become effective upon execution by both parties:

WITNESSETH:

WHEREAS, MADISON, and UNIVERSITY, have jointly obtained Wisconsin Pollutant Discharge System permit number WI-S058416-4 (hereinafter, "the Permit") along with their co-permittees, enabling them to discharge storm water from all portions of their municipal separate storm sewer systems pursuant to Chapter 283, Wis. Stats., and Wisconsin Administrative Code Chapter NR 216; and

WHEREAS, under the authority of Sec. 283.33(2)(b), Wis. Stats., and as required by Parts of 2.10, 2.12, and 4.6.2 of the Permit, MADISON and UNIVERSITY agree to enter into an inter-municipal agreement to control the contribution of pollutants from one Party's connected municipal separate storm sewer system to the other; and

WHEREAS, Sec. 66.0301, Wis. Stats., authorizes towns, villages, cities, and other governmental units and regional planning commissions to contract for the joint exercise of any power or duty required or authorized by a statute; and

WHEREAS, the governmental units which are parties hereto are authorized by statute to exercise the power implicit herein; and

WHEREAS, MADISON and UNIVERSITY agree it would be to the mutual benefit of the parties to control the contribution of pollutants from one municipal sewer system to the other.

NOW, THEREFORE, in consideration of the mutual promises, covenants, and agreements hereinafter set forth, MADISON and UNIVERSITY do, pursuant to the provisions of Wisconsin Statutes, agree as follows:

I. DEFINITIONS

For purposes of this AGREEMENT, the following definitions obtain:

(a) "MADISON Permit Area" means those lands within the municipal boundaries of the City of Madison, including UNIVERSITY lands located outside of the UNIVERSITY Permit Area, for which MADISON is responsible under the Permit.

1

IN WITNESS WHEREOF, the parties hereto have caused this AGREEMENT to be executed by their proper officers

UNIVERSITY OF WISCONSIN-MADISON

DocuSigned by:
Rob Cramer
FD20B0330B7B4AB...

Robert Cramer, Vice Chancellor for Finance and Administration (Interim) — 11/24/2021 Date

CITY OF MADISON, WISCONSIN
A Municipal Corporation

Satya Rhodes-Conway, Mayor — 02/22/2022 Date

Maribeth Witzel-Behl — 02/15/2022 Date
Maribeth Witzel-Behl, City Clerk

Countersigned:

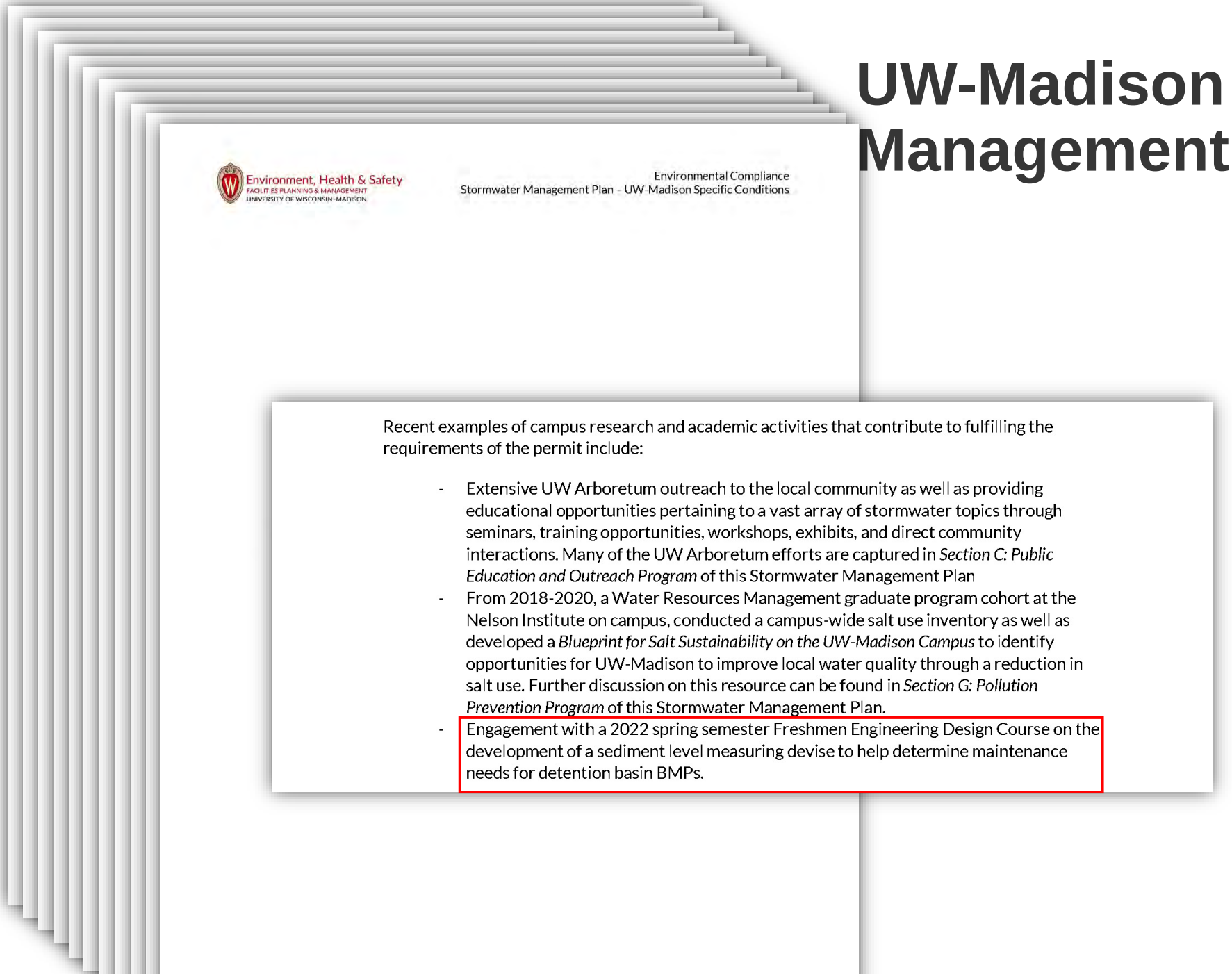
David Schmiedicke — 2-21-2022 Date
David P. Schmiedicke, Finance Director

Approved as to form:

Michael Haas — 2/22/22 Date
Michael R. Haas, City Attorney

Execution of this Agreement by City is authorized by Resolution Enactment No. RES-21-00782, ID No. 68141, adopted by the Common Council of the City of Madison on December 7, 2021.

UW-Madison Stormwater Management Plan - 2022



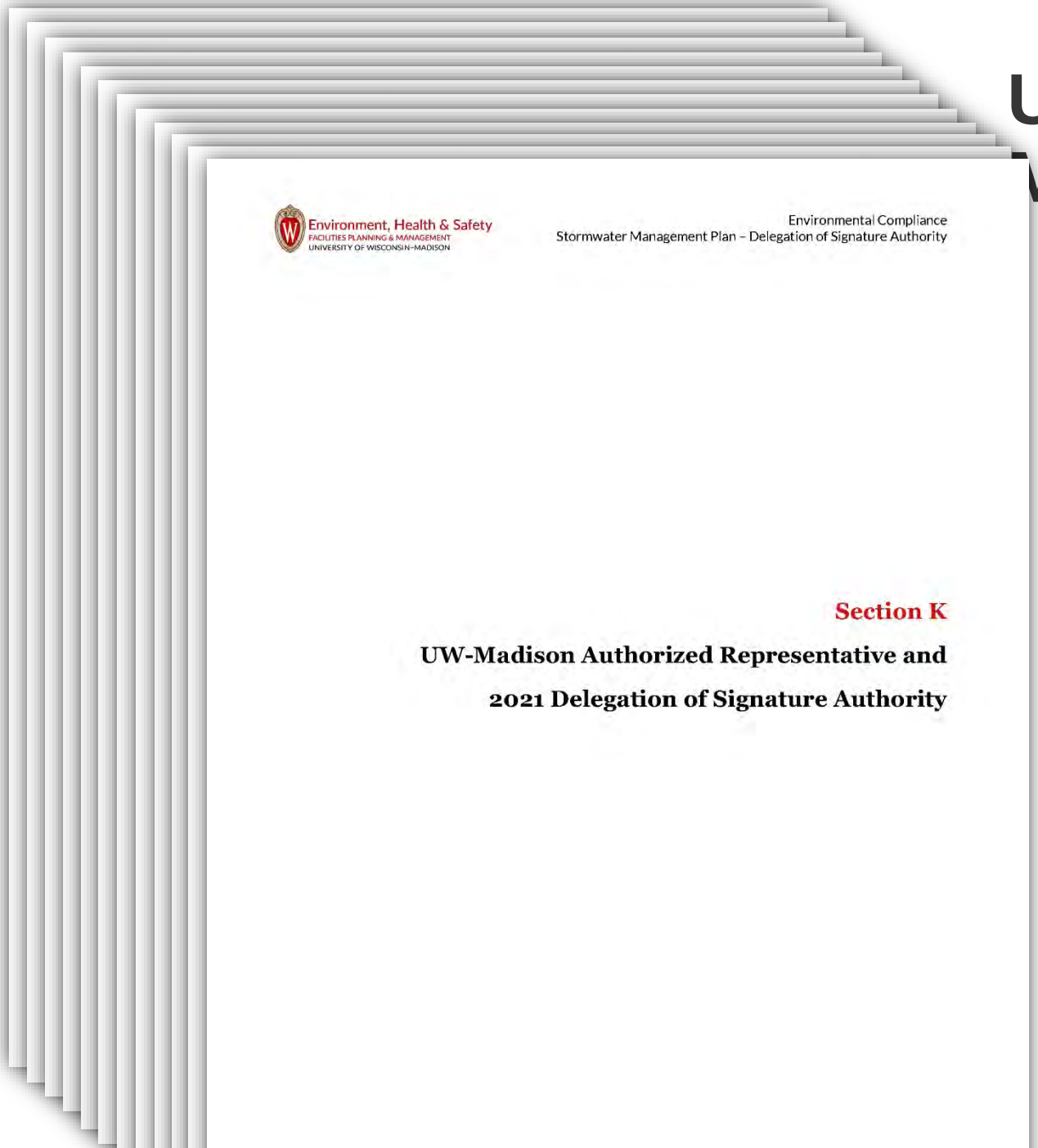
Environment, Health & Safety
FACILITIES PLANNING & MANAGEMENT
UNIVERSITY OF WISCONSIN–MADISON

Environmental Compliance
Stormwater Management Plan – UW-Madison Specific Conditions

Recent examples of campus research and academic activities that contribute to fulfilling the requirements of the permit include:

- Extensive UW Arboretum outreach to the local community as well as providing educational opportunities pertaining to a vast array of stormwater topics through seminars, training opportunities, workshops, exhibits, and direct community interactions. Many of the UW Arboretum efforts are captured in *Section C: Public Education and Outreach Program* of this Stormwater Management Plan
- From 2018-2020, a Water Resources Management graduate program cohort at the Nelson Institute on campus, conducted a campus-wide salt use inventory as well as developed a *Blueprint for Salt Sustainability on the UW-Madison Campus* to identify opportunities for UW-Madison to improve local water quality through a reduction in salt use. Further discussion on this resource can be found in *Section G: Pollution Prevention Program* of this Stormwater Management Plan.
- Engagement with a 2022 spring semester Freshmen Engineering Design Course on the development of a sediment level measuring devise to help determine maintenance needs for detention basin BMPs.

UW-Madison Stormwater Management Plan - 2022



Authorized Representative

Environment Health & Safety

AVC Christopher Strang

UW-Madison Stormwater Management Plan – 2022

2022 – 2023 Planning

Executive Summary

In accordance with the MS4 WPDES Permit No. WI-S058416-4 (MS4 permit) Section 5 (Compliance Schedule), all Madison-area permittees, including UW-Madison who is a co-permittee, are to submit their stormwater management programs to the Wisconsin Department of Natural Resources (DNR) and begin implementing any updates no later than March 31, 2021. UW-Madison met that requirement and provided the 2021 Stormwater Management Program to the DNR on March 31, 2021.

The stormwater management program describes in detail how the permittee intends to comply with the permit requirements for each minimum control measure. The program documentation is to be submitted separately through the DNR eReporting system, as attachments to the annual report, for each of the areas detailed. Table 6 of the MS4 permit lists the permit sections (i.e., programs) that are to be included in the written Stormwater Management Plan. For most of these program plans, this is a one-time reporting requirement. However, some are to be updated on an annual basis (e.g., inventory of BMPs and SWPPPs) if there are any changes.

The UW-Madison Stormwater Management Program is organized into sections following the chronology of the MS4 permit sections and the program topics provided in Table 6 of the MS4 permit (Program Compliance Schedule for Permit Requirements). Development of the program area documentation relied heavily on input from UW-Madison Stormwater Management Program Internal Stakeholder Team. This team will continue to meet on a recurring basis throughout the permit term to further improve and refine our stormwater management program and the protection of our local water bodies.

For UW-Madison, the stormwater management program is intended to be a "living document" and updated with new or changing information as the program further develops. The intention is to engage campus stakeholders on an annual basis to update and detail changes to the programs. Any subsequent updated versions of programs will be submitted to the DNR as a part of annual reporting, which is due on March 31st of each year. Further development of these plans will continue through the current MS4 permit term, which expires on June 30, 2024.

Areas of the Stormwater Management Plan that continue to need further development and implementation, include:

- Illicit Discharge Detection and Elimination (IDDE) SOPs and procedures
- Public outreach topics including construction/post-construction
- Updating WINSLaM modeling for the evaluation of Total Suspended Solids (TSS) and Total Phosphorous (TP) TMDL baseline reduction requirements
- Implementation of BMP maintenance, inspection, and recordkeeping
- Further development of interagency agreements with the City of Madison, Village of Shorewood Hills, and US Federal Government
- Oversight of construction site pollutant control and post-construction storm management

UW-Madison Stormwater Management Plan – 2022

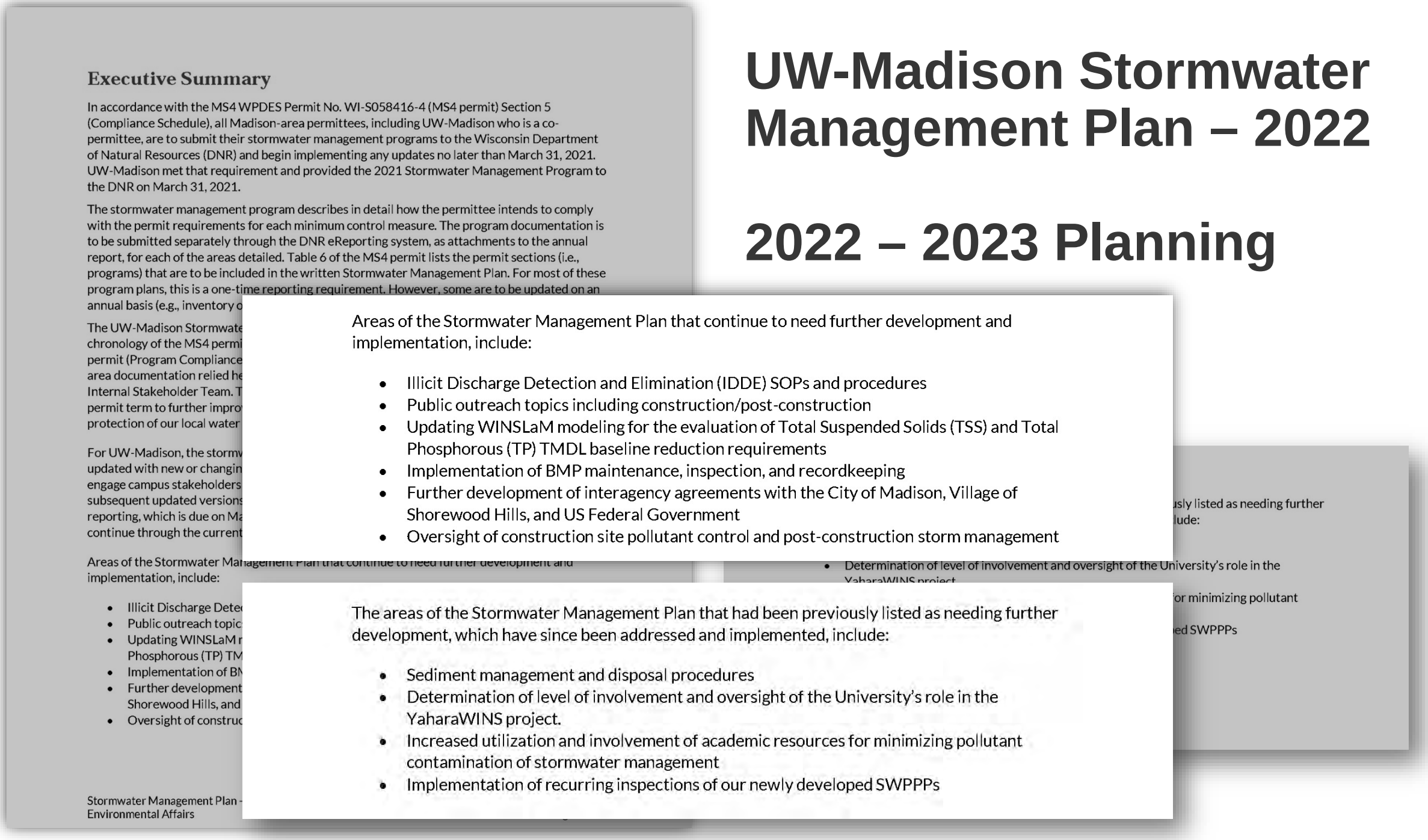
2022 – 2023 Planning

The areas of the Stormwater Management Plan that had been previously listed as needing further development, which have since been addressed and implemented, include:

- Sediment management and disposal procedures
- Determination of level of involvement and oversight of the University's role in the YaharaWINS project.
- Increased utilization and involvement of academic resources for minimizing pollutant contamination of stormwater management
- Implementation of recurring inspections of our newly developed SWPPPs

UW-Madison Stormwater Management Plan – 2022

2022 – 2023 Planning



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- Public outreach topic
- Updating WINSLaM r
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- Implementation of BM
- Further development
  Shorewood Hills, and
- Oversight of construc

Stormwater Management Plan -
Environmental Affairs

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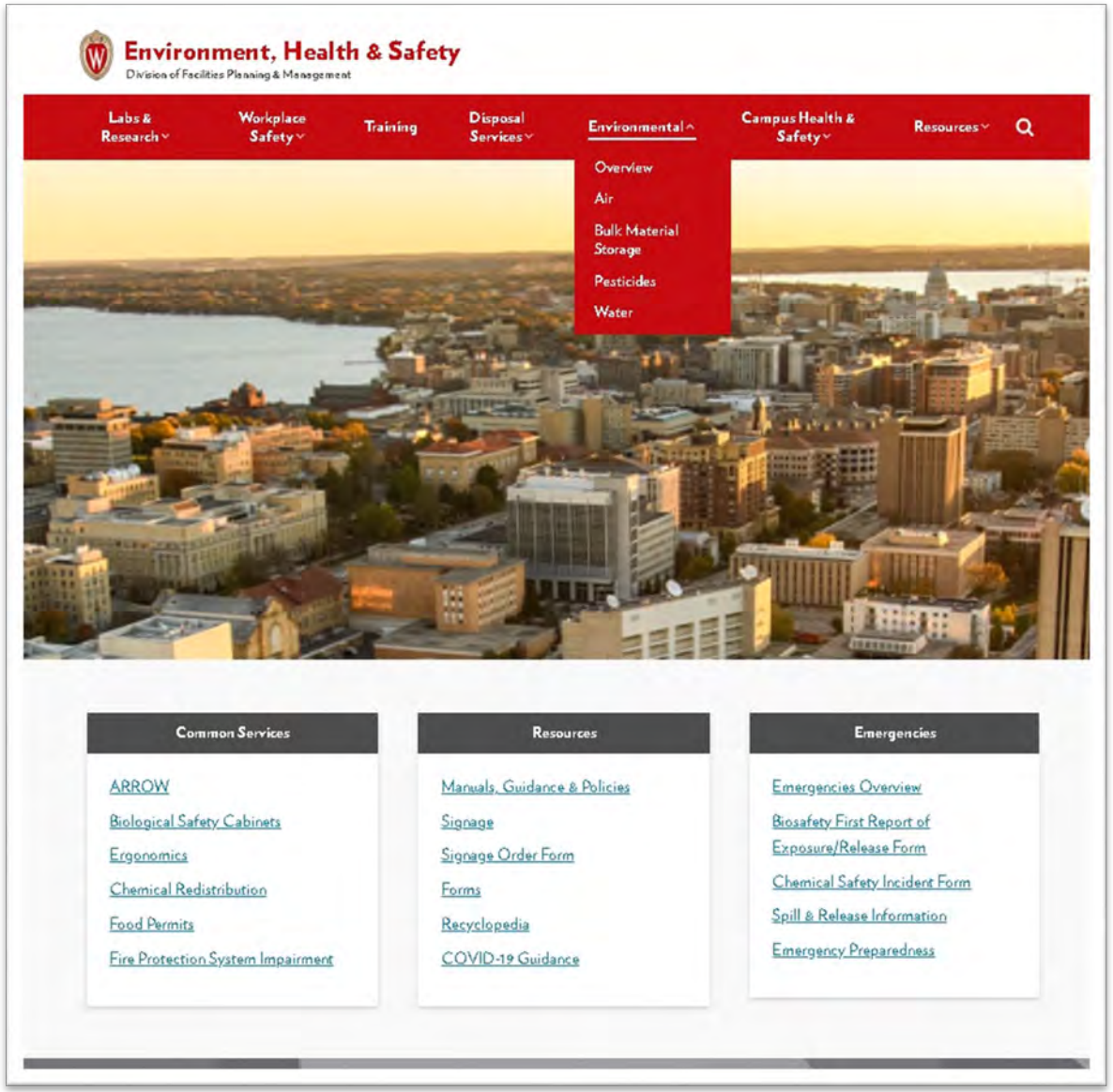
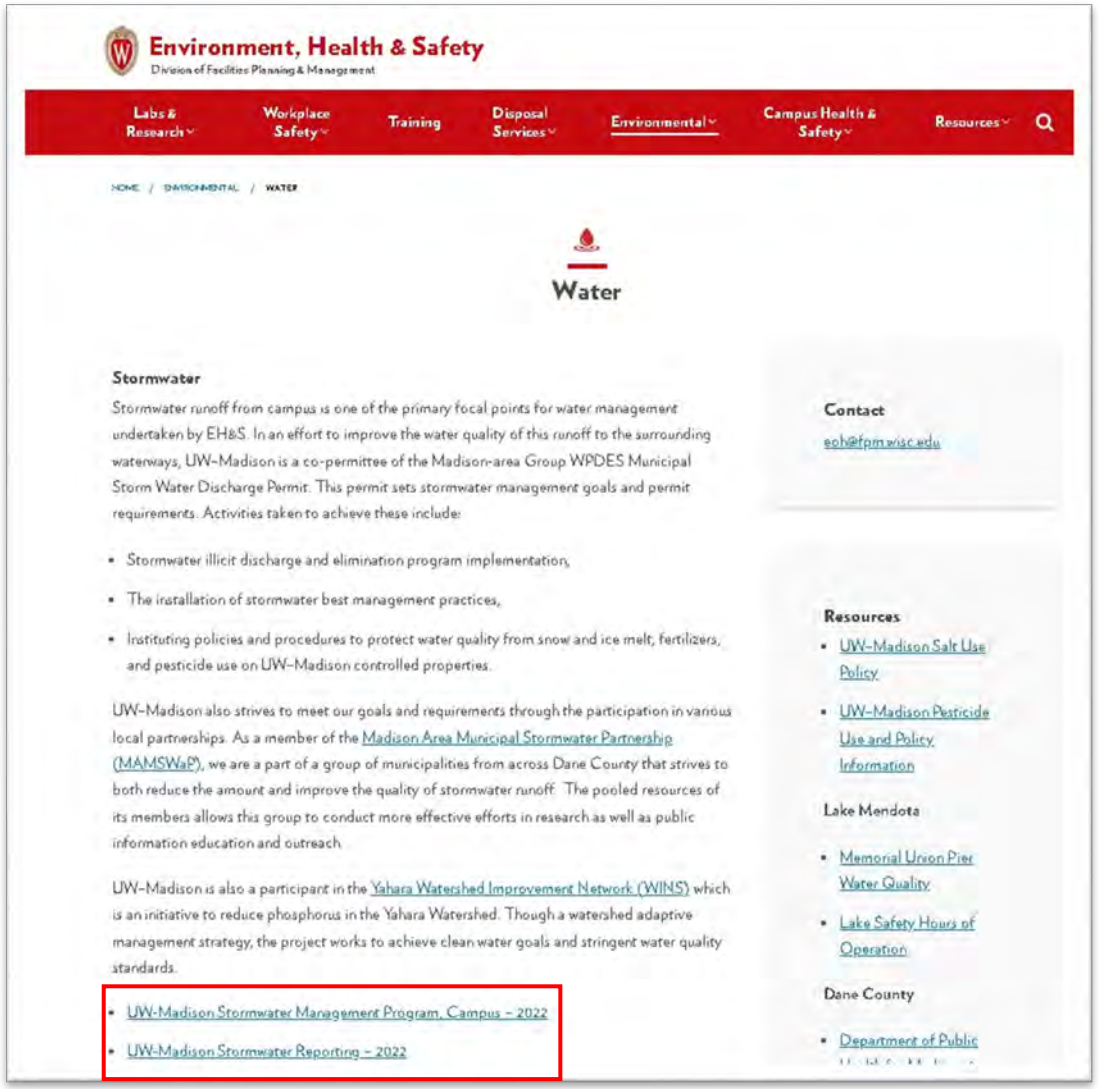


UW-Madison Stormwater Management Program & Reporting

Published Report

- 2021 and Previous Annual Reports Posted on the EH&S Website: https://ehs.wisc.edu/environmental/water/



UW-Madison Stormwater Management Program & Reporting

Published Report

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Environment Health & Safety Team

Chris Egger
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Christopher.egger@wisc.edu

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Lead Env Affairs Specialist
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Jon.Jackson@wisc.edu

Jeff Steele
Water Quality Coordinator
(608) 263-0490
jeff.steele@wisc.edu

Campus Stormwater Stakeholder Team

Grounds Department
Ellen Agnew

Office of Sustainability
Travis Blomberg

UW Arboretum
Gail Epping Overholt

Plumbing Shop
Pete Dahl

Unv. Housing and Apartments
Geb Lefeber

Planning and Delivery
Aaron Williams
Rhonda James
Matt Collins

Campus Planning Committee

West Campus Development Plan

September 15, 2022

Perkins&Will

Process and Timeline

AUGUST - OCTOBER

1. Discovery

Project initiation and analysis

What are the current conditions, goals, and program priorities?

WORKSHOPS #1 AND #2

OCTOBER - JANUARY

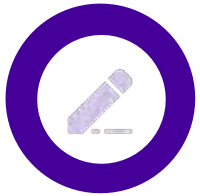
2. Visioning

Visioning and concept alternatives

What are the organizational ideas, scenarios to explore?

WORKSHOPS #3 AND #4

JANUARY - APRIL



3. Design Development, Phasing

Advance and refine one overall concept--add further detail to phasing, finance modeling, funding, infrastructure, and zoning.

WORKSHOPS #5 AND #6

APRIL - JULY

4. Synthesize

Preferred concept & graphic package development

How can the preferred approach be captured, conveyed, and implemented?

WORKSHOPS #7

Communication, feedback, and decision-making will depend on several key groups.

District Advisory Committee

Provides leadership and vision for district plan development.

Decision-Making Groups

Approves final plans.

Shared Governance Engagement

Provides campus perspective.

Communication, feedback, and decision-making will depend on several key groups.

District Advisory Committee

- Athletics
- CALS
- City of Madison
- DoIT
- Federal agencies
- FP&M
- Housing
- MG&E
- Native Nations (NNUW)
- Neighborhoods
- Pharmacy
- School of Medicine & Public Health
- School of Nursing
- School of Veterinary Medicine
- Union
- University Relations
- University Research Park
- UW Health
- UWPD
- VCFA
- VCRGE
- Veterans Services
- WARF
- **Campus Planning Committee**

Decision-Making Groups

- Board of Regents
- Chancellor and Executive Committee

Shared Governance Engagement

- Regular leadership updates
- West District Plan Process – public sessions

Campus Planning Committee Participation

Provides leadership and vision for district plan development as a campus joint governance committee.

- Provide school, college, division, or department input and direction to Core Team and Perkins & Will for development of district plan.
- Participate in presentation discussions at the Campus Planning Committee though late spring 2023.
- Provide constituency representation and context to support planning recommendations.
- Provide recommendations throughout the engagement process on issues and concerns affecting the physical development of campus.
- Collaborate with other school, college, division, departments as needed to provide a shared campus vision for the district plan.

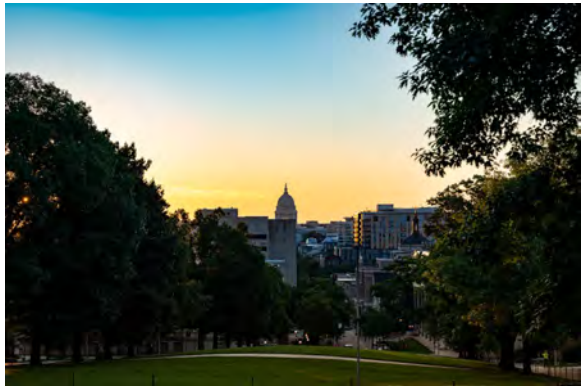
Stakeholder Engagement

	Sept	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul
Decision-Making Groups	●	●	●		●	●	●	●	●	●	●
District Advisory Committee	●		●		●	●		●	●		
Shared Governance	●	●	●	●		●			●		
Campus Community and Public	●		●			●			●		●

Key
● - Planned engagement session

Three Aspirations

Create a **compelling and actionable vision** for West Campus that energizes the Board of Regents and other internal and external stakeholders



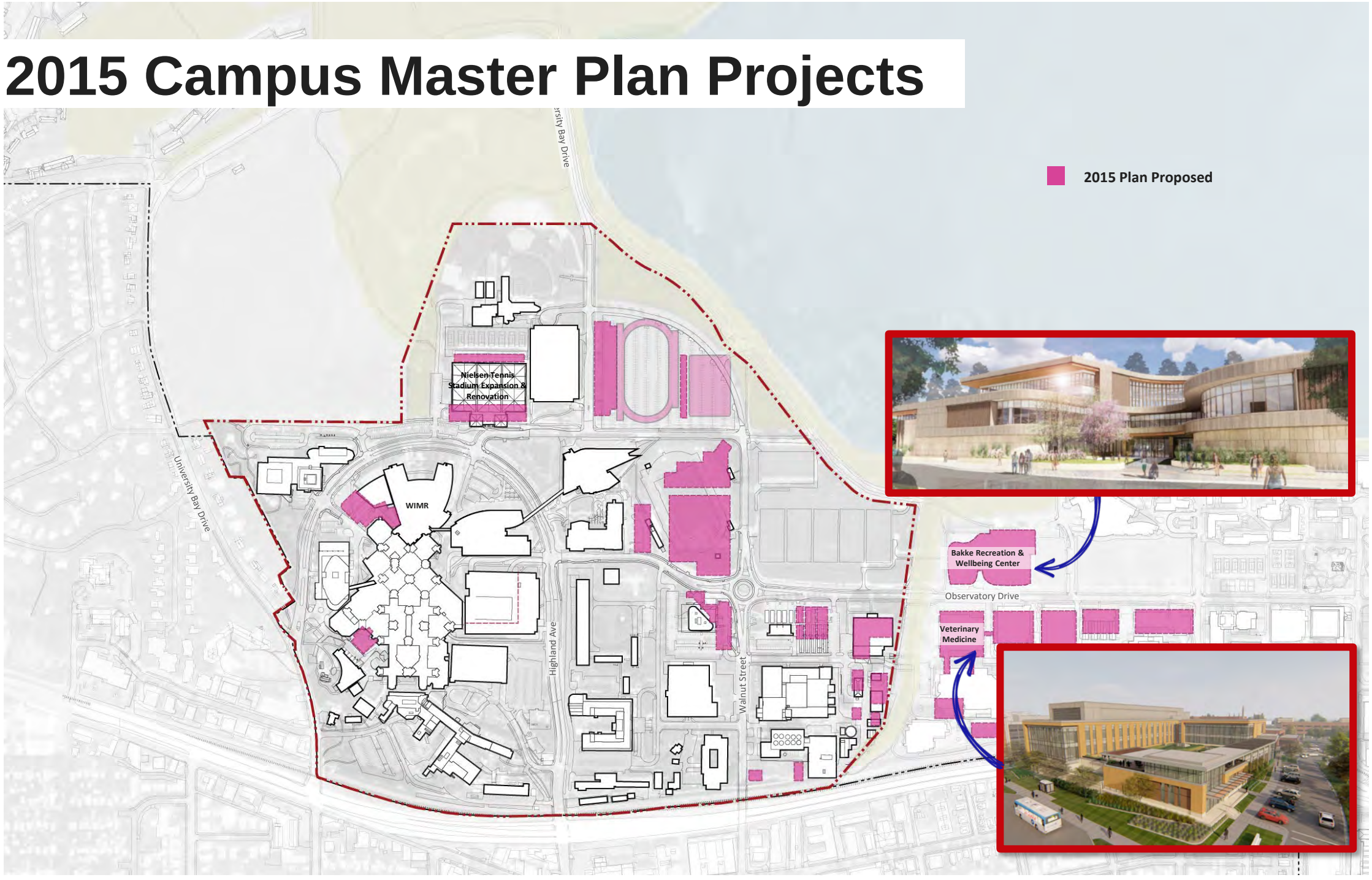
Develop a place for learning, research, innovation, community engagement, and economic development that **meaningfully contributes** to the campus, city, region, and state.

Ensure the vision and strategy can be monetized for the university's benefit, while advancing **mission-aligned institutional goals** in teaching, research, and outreach.

The West Campus District Plan is the first major initiative under UW-Madison's new real estate strategy

Initial Observations

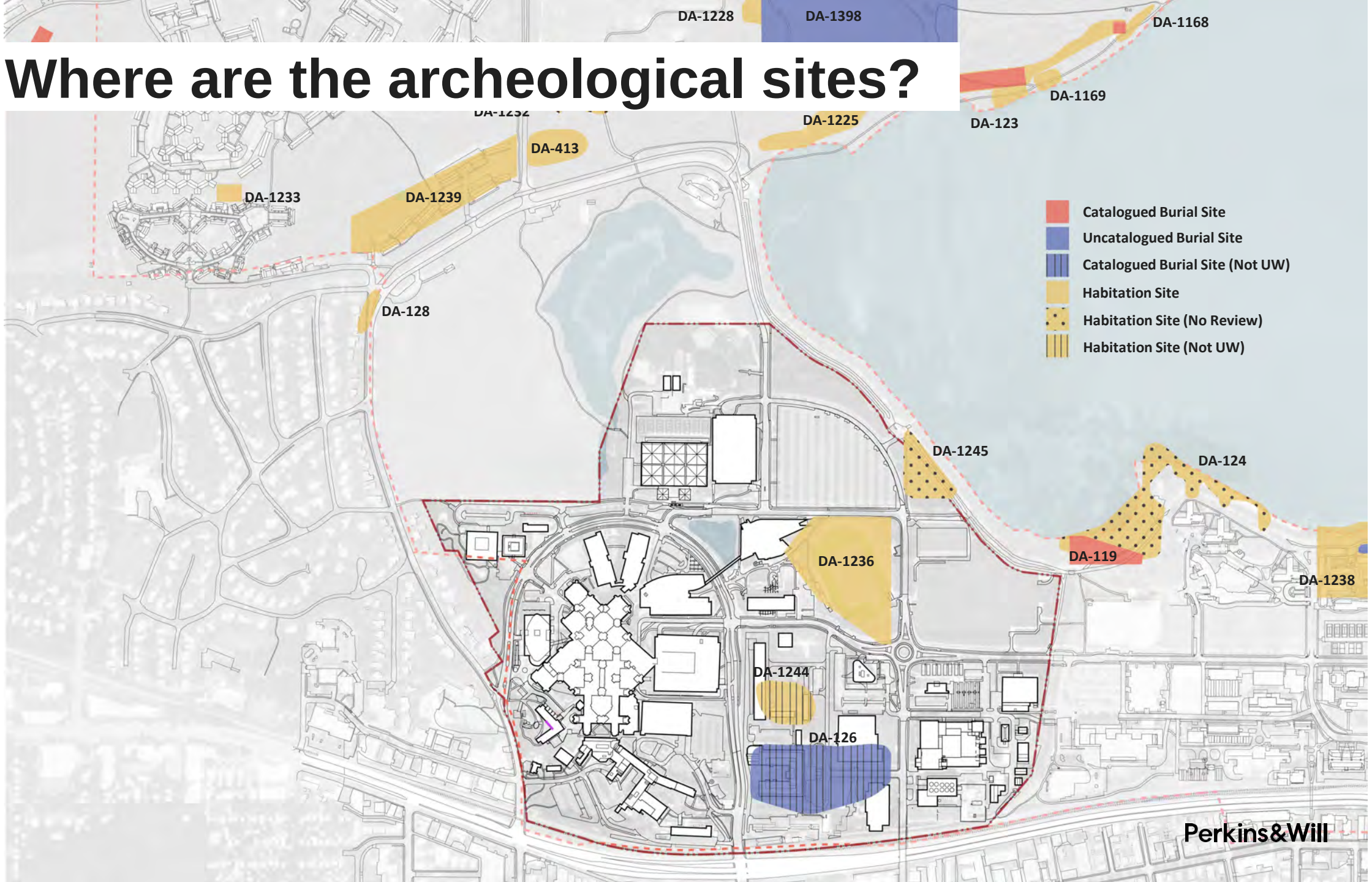
2015 Campus Master Plan Projects



District Plans - Willow Creek Master Plan

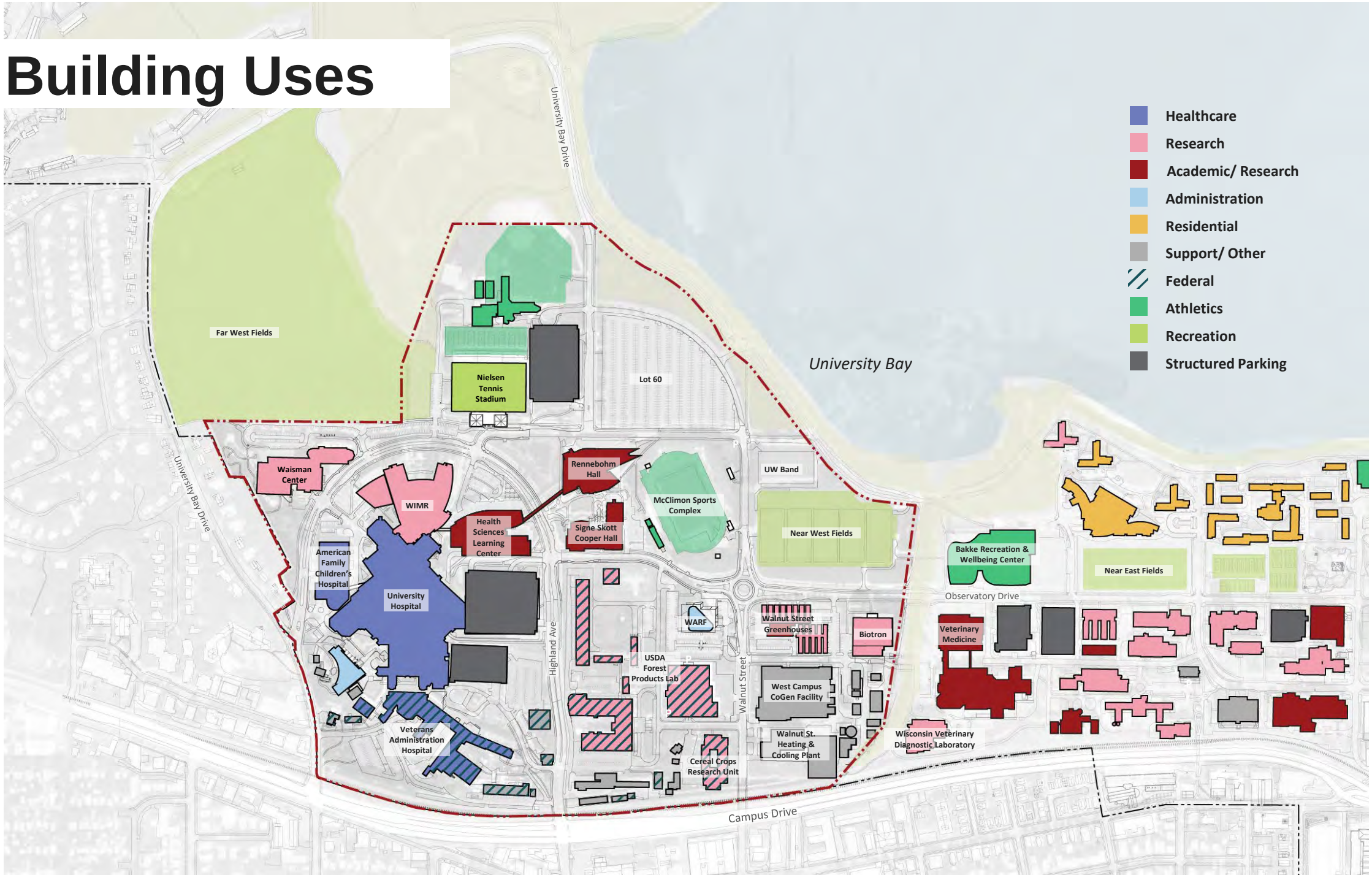
Perkins&Will

Where are the archeological sites?

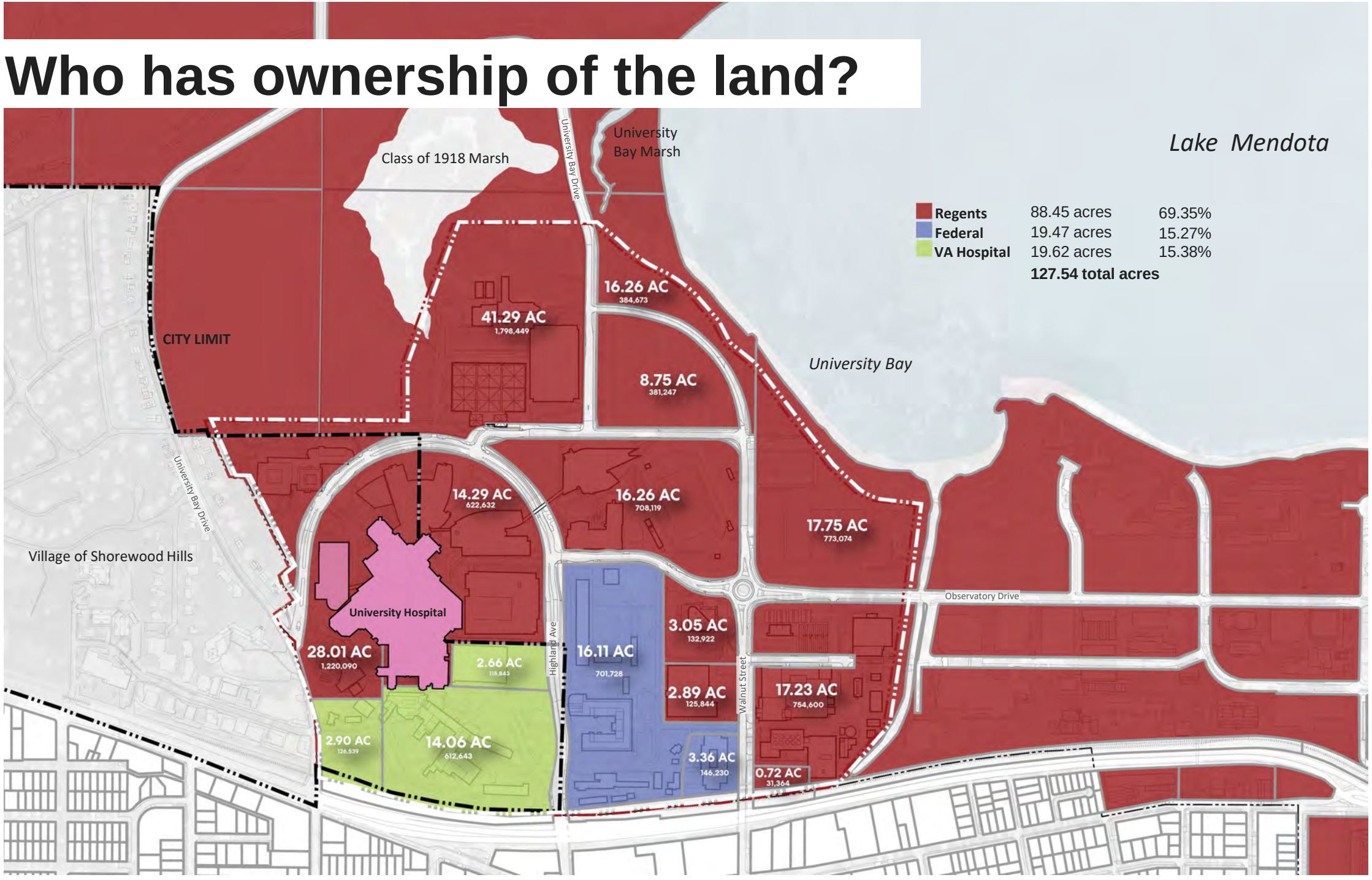


Perkins&Will

Building Uses



Who has ownership of the land?



Places Where Mixed-Use Innovation is the “Proof”

Georgia Tech – Tech Square

North Carolina State University - Centennial

Purdue University Discovery District

Opportunities: Initial findings from Perkins & Will design and listening session #1.

Research space

Industry partnerships

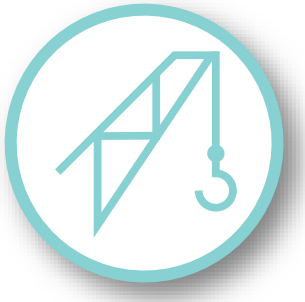
Natural environment

Federal agency coordination

New amenities that create a better sense of place

- Food, beverage, and retail
- Daycare
- Fitness and recreation
- Housing and lodging
- Shared parking
- Meeting space

Challenges: Initial findings from Perkins & Will design and listening session #1.



Developable land controlled by many

UW Hospital growth needs

Constrained mobility

Community buy-in and support

Private business integration

Project Website & Information (Q&A)

For more information, visit our website at:

https://www.vc.wisc.edu/realestate/

For questions or concerns, contact us at:

pseitz@wisc.edu

aaron.williams@wisc.edu

wcdp@realestate.wisc.edu

Perkins&Will

Announcements

Date	Tentative Agenda Topic(s)	Location
November 17, 2022	Art Committee Recommendation(s) Update: West Campus District Plan	Hybrid In-Person + Webex Bascom Hall Room 260
December 15, 2022	Update: Transforming the Built Environment Report Update: 2023-25 Biennial Capital Budget Signage & Wayfinding Policy Update: West Campus District Plan	Hybrid In-Person + Webex Bascom Hall Room 260
February 16, 2023	Campus Master Plan Discussion	TBD
March 9, 2023		TBD
April 20, 2023		TBD
May 18, 2023		TBD

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University of Wisconsin-Madison

Facilities Planning & Management

October 20, 2022