State of Wisconsin
Department of Natural Resources
dnr.wi.gov

Annual Report under MS4 General Permit No. WI-S050075-2

Form 3400-195 (R 11/16)

Due by March 31, 2017

Notice: Pursuant to s. NR 216.07(8), Wis. Adm. Code, an owner or operator of a Municipal Separate Storm Sewer System (MS4) is required to submit an annual report to the Department of Natural Resources (DNR) by March 31 of each year to report on activities for the previous calendar year. This form is being provided by the DNR for the user's convenience. Personal information collected will be used for administrative purposes and may be provided to the extent required by Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

This form is for reporting on activities undertaken in calendar year 2016.

Instructions: Complete each section of the form. If additional space is needed, attach additional pages. Provide descriptions that explain the program actions taken to comply with the general permit. Complete and submit the annual report by March 31, 2017, to the appropriate address indicated on the last page of this form.

Part I. Municipal Information

Name of Municipality			Facility ID No. (FIN)
City of Stoughton			39025
Mailing Address	City	State	ZIP Code
381 E. Main Street	Stoughton	WI	53589
County(s) in which Municipality is located	Municipality Type: (select one)		
Dane	○ County ◉ City ○ Village ○ Town ○ Other (specify)		

Part II. Municipal Contact Information

Name of Municipal Contact Person		Title	
Rodney Scheel		Director of Planning & Development	
Mailing Address (if different from above)	City	State	ZIP Code
Same		WI	
Email	Phone Number (include area code)	Fax Number (include area code)	
rjscheel@ci.stoughton.wi.us	(608) 873-6619	(608) 873-5519	

Has the contact person changed in the last year? ○ Yes ◉ No

Part III. Certification

I hereby certify that I am an authorized representative of the municipality covered under MS4 General Permit No. WI-S050075-2 for which this annual report is being submitted and that the information contained in this document and all attachments were gathered and prepared under my direction or supervision. Based on my inquiry of the person or persons under my direction or supervision involved in the preparation of this document, to the best of my knowledge, the information is true, accurate, and complete. I further certify that the municipality's governing body or delegated representatives have reviewed or been apprised of the contents of this annual report. I understand that Wisconsin law provides severe penalties for submitting false information.

Authorized Representative Printed Name	Authorized Representative Title	
Rodney Scheel	Director of Planning & Development	
Signature of Authorized Representative	Date	
Rodney Scheel	3/21/2017	
Email	Phone Number (include area code)	Fax Number (include area code)
rjscheel@ci.stoughton.wi.us	(608) 873-6619	(608) 873-5519

Part IV. General Information

a. Describe the municipality's efforts to invite the municipal governing body, interest groups, and general public to review and comment on the annual report.

Please see the attached Supplemental Information document. - Attachment 1 - Annual Report - Supplemental Information

b. Describe how the municipality has kept elected and municipal officials and appropriate staff (such as operators, department heads, and those that interact with the public) informed of the municipal storm water discharge permit and its requirements.

Please see the attached Supplemental Information document. - Attachment 1 - Annual Report - Supplemental Information

c. Has the municipality prepared or updated its own municipal-wide storm water management plan during the reporting year? ◉ Yes ○ No

If yes, provide the title and date of storm water management plan and list any updates:
See Attachment 1 - Annual Report - Supplemental Information & Attachment 2 - Strand Agreement for TMDL Project

If yes, has the information been submitted to the Department? ◉ Yes ○ No

d. During the reporting year, has the municipality entered into a written agreement with another municipality or a contract with another entity to perform one or more of the conditions as provided under section 2.10 of the general permit? ◉ Yes ◯ No

If yes, describe these cooperative efforts:
See Attachment 1 - Annual Report - Supplemental Information & Attachment 3 - Yahara Wins Executed IGA

If yes, has the information been submitted to the Department? ◉ Yes ◯ No

e. If the municipality has an internet website, is there current information about or links provided to the MS4 general permit and/or the municipality's storm water management program? ◉ Yes ◯ No

If yes, provide web address:
http://www.ci.stoughton.wi.us/index.asp?Type=B_BASIC&SEC={A325E436-D380-4506-8509-3EC96D0D870F}

Part V. Evaluation of Permit Conditions (Section 2 of General Permit)

Minimum Control Measures: For each of the permit conditions listed below, provide an evaluation of program compliance with the general permit.

1. Public Education and Outreach (Section 2.1 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information and Attachment 13 - 2016 MAMSWaP I & E Workplan and Notes
Measurable Goal(s)	See Attachment 1 - Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1 - Annual Report - Supplemental Information & Attachment 4 - Public Education Articles
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

2. Public Involvement and Participation (Section 2.2 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information
Measurable Goal(s)	See Attachment 1 - Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1 - Annual Report - Supplemental Information
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

3. Illicit Discharge Detection and Elimination (Section 2.3 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information
Measurable Goal(s)	See Electronic File #1 - Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1 - Annual Report - Supplemental Information & Attachment 5 - Illicit Discharge Outfalls & Attachment 6 - 2016 Field Screening Results and Photos
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

4. Construction Site Pollutant Control (Section 2.4 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information
Measurable Goal(s)	See Attachment 1 - Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1 - Annual Report - Supplemental Information & Attachment 7 - Erosion Control & Stormwater Ordinance Changes - As Approved 3-14-2017
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

Part V. Evaluation of Permit Conditions (continued)

5. Post-Construction Storm Water Management (Section 2.5 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information
Measurable Goal(s)	See Attachment 1 - Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1 - Annual Report - Supplemental Information & Attachment 7 - Erosion Control & Stormwater Ordinance Changes - As Approved 3-14-2017
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

6. Pollution Prevention (Section 2.6 of General Permit)

Description of Program(s)	See Attachment 1 - Annual Report - Supplemental Information
Measurable Goal(s)	See Attachment 1- Annual Report - Supplemental Information
Result(s) Achieved	See Attachment 1- Annual Report - Supplemental Information & Attachment 8 - Stormwater Pollution Prevention Plan - Adopted 2-28-2017
Describe any planned changes to program.	See Attachment 1 - Annual Report - Supplemental Information

- Storm Water Management Facilities (Section 2.6.1 of General Permit)

  List any new municipality owned or operated structural storm water management facilities (ponds, biofilters, etc.) added in the last year.
  No new municipally owned or operated structural storm water management facilities were added in 2016.

- Routine Inspection and Maintenance (Section 2.6.2 – 2.6.4 of General Permit)

  Does the municipality have an inspection and maintenance program for installed structural storm water management facilities?
  ◉ Yes ○ No

  Describe the inspection and maintenance program and any activities that have occurred for structural storm water management facilities in 2016. If available, attach any additional information on the inspection and maintenance program.
  Routine maintenance activity for stormwater facilities includes mowing, removing volunteer tree growth, repairing erosion, and removing obstructions to storm water flow. Trash pick up is part of the mowing function.

  Describe the street sweeping and catch basin cleaning efforts, and the disposal of waste.
  Street sweeping is generally done from March through October. The downtown area is swept every Friday morning while the rest of the City streets are swept once per month. The City uses one mechanical broom sweeper and one vacuum type sweeper. Catch basins are cleared after heavy rain events. Stoughton's catch basins do not have sumps greater than 1 foot in depth.

- Winter Road Management Activities (Section 2.6.5 of General Permit)

  Provide the name, title, and phone number of the individual(s) with overall responsibility for winter roadway maintenance.
  Brett Hebert, Director of Public Works, (608) 873-6303

  Describe the types of products used for winter road management (e.g. deicing, pre-wetting, salting, etc.).
  The Public Works operation uses a variety of products, including a salt brine mix for anti-icing and pre-wetting salt. Pre-wet salt is used as the primary product for melting ice and snow from streets. Trucks are calibrated to only dispense approximately 300-350 lbs of salt per lane mile. Liquid brine is applied in the auger tray to wet the salt reducing salt scatter and to activate the salt quicker. Staff are trained to only use salt when necessary.

Report the amount of product used by month over the last winter season (approx. November 2015 through April 2016).
November 2015 - 60 tons salt, 1,135 gallons brine, 3 tons sand/salt mixture
December 2015 - 84 tons salt, 835 gallons brine, 12 tons sand/salt mixture
January 2016 - 75.6 tons salt, 2,200 gallons brine, 0 tons sand/salt mixture
February 2016 - 190 tons salt, 3,518 gallons brine, 0tons sand/salt mixture
March 2016 - 23.5 tons salt, 130 gallons brine, 0 tons sand/salt mixture
April 2016 - none applied

Report the snow disposal locations, if applicable.
Snow is hauled to an empty city-owned lot on South Fourth Street.

Describe anti-icing, equipment calibration, and salt reduction strategies.
The Street Department is constantly reviewing their snow and ice removal operations for efficiencies and to conserve product. The Department has also attends training workshops to learn valuable information on salt use. The Fleet Manager works with the equipment vendor and Public Works staff to calibrate equipment, and anti-icing is only done on arterial streets and hills.
Describe any other additional data or information used to evaluate the winter road management activities.

The Street Department checks pavement temperatures to make sure the correct product is applied. The City fleet includes 9 patrol trucks each equipped with tailgate spreaders and pre-wetting equipment.

- Leaf Management (Section 2.6.6 of General Permit)

Describe the management of leaves and grass clippings.
The City operates a yard waste drop off site where residents can drop of leaf and grass clipping from April to November. The Site is generally open on Tuesday, Thursday and Saturdays. The Public Works crews complete curbside leaf collection in April and again in October using a suction system. Residents are informed to rake leaves to the terrace area (between curb/gutter & sidewalk) not into the street.

- Municipal Pollution Prevention (Section 2.6.7 of General Permit)

Provide the location (street address) of each facility (municipal yards and/or maintenance facilities) and contact information (name, title, and phone number) for the individual(s) with overall responsibility for each facility.
Public Works Garage, 515 S. Fourth Street - Public Works Director, Brett Hebert (608) 873-6303
See SWPPP included (See Electronic File #8 - Stormwater Pollution Prevention Plan) with this report for map requested below.

Map(s) included? ◉ Yes ◯ No - Include a map of each facility, drawn to scale and include the following features:
- Location of major activities and storage areas
- Identification of drainage patterns, potential sources of storm contamination and discharge points.
- Identification of nearby receiving waters or wetlands
- Identification of connections to the permittees's MS4

Describe the housekeeping activities and best management practices installed at municipal yards and/or maintenance facilities to reduce or eliminate storm water contamination.
Salt and brine storage locations are inspected routinely by the employees and annually with a State contracted inspector. Salt residue is sweep from the asphalt to minimize migration. Spills and leaks are treated with absorbent material and leaking equipment is promptly repaired. Flammable materials are stored in rated cabinets. Used products are properly disposed in rated containers. Snowplowing equipment is rinsed indoors after use to contain salt products indoors. Sweeping equipment is rinsed indoors and spoils are disposed in the Dane County Landfill.
Discuss recommendations for improvements to current storm water management practices at the facility(s) and provide a timeline for installation and/or implementation of these recommendations.
A new Public Works facility is planned to be built on a new site in approximately 2018. The City has already purchased land for this project. The facility will be designed to incorporate best management practices. The existing Public Works Facility is planned to be incorporated into a larger redevelopment plan that will incorporate best management practices.

Part V. Evaluation of Permit Conditions (continued)

Provide information on facility inspections. Identify and address potential sources of storm water contamination.

The SWPPP (updated and adopted in February 2017) provided with this report (See Attachment 8 - Stormwater Pollution Prevention Plan) outlines potential sources of storm water contamination for the facility along with proposed measures to address them.

Describe the municipal facility(s) employee training on storm water pollution prevention (frequency, duration, objectives, percentage of employees trained this year, etc.).

Employees are trained in good housekeeping procedures. They are trained to notice leaks and spills and how to treat such spills and leaks. Rinsing equipment and residual containment is routine practice at the facility. We hired a new Director of Public Works in 2016 who is working to implement practices included SWPPP. We see an opportunity for improvement under new leadership.

Describe the spill prevention and response procedures in place at the municipal facility(s).

Facility employees are trained to notice leaks and spills and how to treat such spills and leaks. Leaks and spills also are stressed to maintained promptly to minimize slips and falls as part of our safety training. We hired a new Director of Public Works in 2016 who is working to implement practices included SWPPP. We see an opportunity for improvement under new leadership.

7. Storm Water Quality Management (Section 2.7 of General Permit)

Has the municipality completed a pollutant-loading analysis to assess compliance with the 20% TSS reduction developed urban area performance standard? ◉ Yes ◯ No

If yes, provide the following: Model used WinSLAM Version 10.2 Reduction (%) 32.8

If no, include a description of any actions the municipality has undertaken during 2016 to help achieve the 20% standard.

8. Storm Sewer System Map (Section 2.8 of General Permit)

Describe any changes or updates to the storm sewer system map made in the reporting year. Provide an updated map if any changes occurred during the reporting year.

In 2016, the City engaged the services of an engineering firm who worked with us to develop two new maps that are used in combination to map the required items. The location map is more general in nature and the second map is a more detailed storm system map. These two maps are provide with this report. See Attachment 9 - System Maps

Part VI. Fiscal Analysis

a. Provide a fiscal analysis that includes the annual expenditures for 2016, and the budget for 2016 and 2017. A table to document fiscal information is provided on page 8.

See completed table on page 8.

b. What financing/fiscal strategy has the municipality implemented to finance the requirements of the general permit?

☒ Storm water utility ☐ General fund ☐ Other _____

c. Is adequate revenue generated to implement the storm water management program and meet permit requirements? ◉ Yes ◯ No

Please provide a brief summary of the municipality's financing/fiscal strategy and any additional information that will assist the Department in understanding how storm water management funds are being generated to implement and administer the storm water management program.

The City has a Stormwater Utility which is funding stormwater management activities in Stoughton. The fee is based on impervious area. Each single-family residential property is assigned 1 ERU (equivalent runoff unit) that equals 3,105 square feet of impervious surface. Other properties are assigned an ERU value based on their impervious surface.

Part VII. Inspections and Enforcement Actions

Note: If an ordinance listed below has been submitted to the Department previously and has not been amended since that time, a copy does not need to be submitted again. If the ordinance was previously submitted, indicate such in the space provided.

a. Has the municipality amended its illicit discharge detection and elimination ordinance in accordance with subsection 2.3.1 of the general permit during the reporting year? ◉ Yes ○ No

If yes, attach copy or provide web link to ordinance:

No, but we are providing it again; City Ordinance 10-136. See Attachment 10 - Illicit Discharge Ordinance

b. Has the municipality amended its construction site pollutant control ordinance in accordance with subsection 2.4.1 of the general permit during the reporting year? ◉ Yes ○ No

If yes, attach copy or provide web link to ordinance:

It was updated and adopted on 3-14-2017. See Attachment 7 - Erosion Control & Stormwater Ordinance Changes

c. Has the municipality amended its post-construction storm water management ordinance in accordance with subsection 2.5.1 of the general permit during the reporting year? ◉ Yes ○ No

If yes, attach copy or provide web link to ordinance:

It was updated and adopted on 3-14-2017. See Attachment 7 - Erosion Control & Stormwater Ordinance Changes

d. Has the municipality adopted any other ordinances it has deemed necessary to implement a program under the general permit (e.g., pet waste ordinance, leaf management/yard waste ordinance, parking restrictions for street cleaning, etc.) during the reporting year? ○ Yes ◉ No

If yes, attach copy or provide web link to ordinance:

e. Provide a summary of available information on the number and nature of inspections and enforcement actions conducted during the reporting period to ensure compliance with the ordinances described in a. to d. above.

The City of Stoughton Building Inspector monitors one and two family dwelling construction projects after rainfall events and while conducting other inspections on these sites. This allows him to be present on each construction site numerous times throughout the construction and seek remedies to deficiencies on the spot. The City contracts with Dane County Land Conservation to conduct stormwater and erosion control reviews on all projects that are not one and two family dwellings. In 2016, Dane County conducted 22 erosion control plan reviews & 20 storm water plan reviews. They made 338 inspections, had 44 contacts and issued 3 notices of noncompliance with all issues being resolved before enforcement action was recommended. Our Building Inspector inspects all phases of construction for one and two-family homes.

Part VIII. Water Quality Concerns

a. Does any part of the MS4 discharge to an outstanding resource water (ORW) or exceptional resource water (ERW) listed under s. NR 102.10 or 102.11, Wis. Adm. Code? (A list of ORWs and ERWs may be found on the Department's Internet site at: http://dnr.wi.gov/topic/surfacewater/orwerw.html) ○ Yes ◉ No

If yes, list:

b. Does any part of the MS4 discharge to an impaired waterbody listed in accordance with section 303(d)(1) of the federal Clean Water Act, 33 USC § 1313(d)(1)(C)? (A list of the most current Wisconsin impaired waterbodies may be found on the Department's Internet site at: http://dnr.wi.gov/water/impairedsearch.aspx?status=303d) ◉ Yes ○ No

If yes, complete the following:

- Impaired waterbody to which the MS4 discharges:
  The Yahara River
- Description of actions municipality has taken to comply with section 1.5.2 of the MS4 general permit for discharges of pollutant(s) of concern to an impaired waterbody:

  Please see Attachment 1 - Annual Report - Supplemental Information

c. Identify any known water quality improvements in the receiving water to which the MS4 discharges during the reporting period.

Yahara River Bank Restoration Project. The City moved forward with a bank restoration project on the Yahara River at the City's Division Street Park. See Attachment 12 - Yahara Riverbank Restoration Project Summary. The received a Yahara Wins grant to assist with this project. This project is expected to remove about 32 lbs of phosphorus per year.

d. Identify any known water quality degradation in the receiving water to which the MS4 discharges during the reporting period and what actions are being taken to improve the water quality in the receiving water.

No known water quality degradation into Yahara River. Stormwater management practices identified in this report are used to improve water quality.

e. Does any part of the MS4 discharge to an approved Total Maximum Daily Load (TMDL) area (Section 1.5.4 of the general permit)? ◉ Yes ◯ No

If yes, fill out below. If no, disregard.

Required reporting for TMDLs approved prior to the effective date of the permit for 2016:

Name of TMDL: Rock River TMDL Date TMDL approved? 09/28/2011

Map(s) included? ◉ Yes ◯ No - Submit a storm sewer system map (may be the same map submitted under section V.6. of this form), which includes the TMDL reachshed boundaries and associated acreage within the municipality, and the MS4 drainage boundaries and associated acreage within the municipality.

Part IX. Proposed Program Changes

Describe any proposed changes to the storm water management program being considered for 2017 and the schedule for implementing those changes. Proposed program changes must be consistent with the requirements of the general permit.

The City entered into a project with Strand Associates to update our Stormwater Management Plan in 2016. The scope of services for that project is included in this annual report. This project continues into 2017. This effort will assist the City in evaluating options to improve water quality efforts to meet required goals including TMDL requirements for the specific reaches within our City.

In 2016, The City of Stoughton entered into the Intergovernmental Agreement for An Adaptive Management Plan for the Yahara Watershed (referred to as Yahara Wins). The group is collectively working to achieve compliance with WPDES permit requirements related to the Rock River TMDL. A copy of the agreement is included with this annual report. This ongoing effort is intended to offer opportunities to improve water quality under our permit requirements.

Part X. Other

Any other municipal storm water program information for inclusion in the Annual Report regarding their storm water program may be added here or attached.

The City plans to begin a monitoring program for Paradise Pond where we will be taking water samples for testing.

Fiscal Analysis Table. Complete the fiscal analysis table provided below.

Program Element	Annual Expenditure 2016	Budget 2016	Budget 2017	Source of Funds
Public Education and Outreach	$15,649	$16,963	$15,095	Stormwater Utility
Public Involvement and Participation	$30,034	$31,143	$29,643	Stormwater Utility
Illicit Discharge Detection and Elimination	$18,074	$17,542	$17,542	Stormwater Utility
Construction Site Pollutant Control	$25,927	$32,412	$32,412	Stormwater Utility
Post-Construction Storm Water Management	$24,085	$48,412	$48,412	Stormwater Utility
Pollution Prevention	$1,87,347	$1,77,311	$1,77,311	Stormwater Utility
Storm Water Quality Management (including pollutant-loading analysis)	$29,728	$28,843	$28,843	Stormwater Utility
Storm Sewer System Map	$6,420	$6,241	$6,241	Stormwater Utility
Other:				

NORTHERN REGION COUNTIES		
Ashland	Langlade	DNR Service Center
Barron	Lincoln	Attn: Storm Water Program
Bayfield	Oneida	5301 Rib Mountain Rd.
Burnett	Polk	Wausau, WI 54401
Douglas	Price	Phone: (715) 359-4522
Florence	Rusk	
Forest	Sawyer	
Iron	Taylor	
	Vilas	
	Washburn	

WEST CENTRAL REGION COUNTIES		
Adams	Marathon	DNR Service Center
Buffalo	Monroe	Attn: Storm Water Program
Chippewa	Pepin	5301 Rib Mountain Rd.
Clark	Pierce	Wausau, WI 54401
Crawford	Portage	Phone: (715) 359-4522
Dunn	St. Croix	
Eau Claire	Trempealeau	
Jackson	Vernon	
Juneau	Wood	
La Crosse		

NORTHEAST REGION COUNTIES		
Brown	Marquette	DNR Northeast Region
Calumet	Menominee	Attn: Storm Water Program
Door	Oconto	2984 Shawano Ave.
Fond du Lac	Outagamie	Green Bay, WI 54313
Green Lake	Shawano	Phone: (920) 662-5100
Kewaunee	Waupaca	
Manitowoc	Waushara	
Marinette	Winnebago	

SOUTH CENTRAL REGION COUNTIES		
Columbia	Jefferson	DNR South Central Region
Dane	LaFayette	Attn: Storm Water Program
Dodge	Richland	3911 Fish Hatchery Rd.
Grant	Rock	Fitchburg, WI 53711
Green	Sauk	Phone: (608) 275-3266
Iowa		

SOUTHEAST REGION COUNTIES		
Kenosha	Sheboygan	DNR Service Center
Milwaukee	Walworth	Attn: Storm Water Program
Ozaukee	Washington	141 NW Barstow Street,
Racine	Waukesha	Room 180
		Waukesha, WI 53188
		(262) 574-2100

Attachment 1

Supplemental Information

Annual Report under MS4 General Permit No. WI-S050075-2

This Supplement is provided to address items in the report form that could not fit into the space provided.

Part IV. General Information

a. The 2016 Annual Report is posted on the City's website for review and comment throughout the year. This report along with other Stormwater Management information can be found on the City's website (www.ci.stoughton.wi.us) under the "I would like to" tab, or by selecting "Departments", "Planning & Development", "Stormwater Management". The Annual Report will be presented to the City's Public Works Committee and Common Council. The Public is offered a "Public Comment" period at every Common Council meeting where the public can be heard on any City topic, including stormwater management issues. The Common Council is presented with stormwater management and utility projects for budget approval.

   The City actively participates in the MAMSWaP Information and Education Subcommittee. This group works to program education and information throughout the region which allows us to get broader audience. Their 2016 Workplan and meeting notes are included as Attachment 13 to this report.

b. Internally, staff monitors changing requirements and practices to meet permit goals. Public works staff carries out stormwater management practices by street sweeping, inlet cleaning, leaf pick up, etc. and track efforts for annual reporting. Public Works crews discuss good housekeeping, plowing, salting, greenway maintenance, etc. during their staff meetings and briefings. Staff is encouraged to report unexpected conditions or discharges to supervisors for investigation. Leadership reinforces these practices through reports to City committees and the Common Council. Committees and Common Council members are included in discussions during project design review/approvals and how the projects can impact stormwater capacity, stormwater quality and our discharge permit. Annually, the budget process provides an opportunity to educate the elected body about the annual permit requirements and expectations for implementation.
c. The City entered into a project with Strand Associates to update our Stormwater Management Plan in 2016. The scope of services for that project is included in this annual report. This project continues into 2017. The City was awarded a Planning Grant (USP-USP13281Y16) to assist with the funding for this project. Our consultant has been in communication with the Department about our project and we supplied the draft document to Eric Rortvedt on 2-8-2017 for comment.

d. In 2016, The City of Stoughton entered into the Intergovernmental Agreement for An Adaptive Management Plan for the Yahara Watershed (referred to as Yahara Wins). The group is collectively working to achieve compliance with WPDES permit requirements related to the Rock River TMDL. A copy of the agreement is included with this annual report.

   The City of Stoughton has an on-going agreement with Dane County Land Conservation for review and inspection services related to activities in the City that require construction site erosion control and/or post-construction stormwater management according to Chapter 10, Article IV of the City of Stoughton Code of Ordinances for projects not covered under the Uniform Dwelling Code for one and two-family homes.

   The City joined the Madison Area Municipal Stormwater Partnership (MAMSWaP) in 2008. Our participation focuses on the information and education component of our permit; however, exposure to the group allows the City to remain current with other aspects of stormwater management efforts being undertaken by other members. We continue to actively participate in the Information & Education subcommittee of MAMSWaP.

e. http://www.ci.stoughton.wi.us Go to the "I Would Like to" tab at the top of the page, then "Learn about Stormwater Management in Stoughton" or directly at: http://www.ci.stoughton.wi.us/index.asp?Type=B_BASIC&SEC={A325E436-D380-4506-8509-3EC96D0D870F}

Part V. Evaluation of Permit Conditions

1. Public Education and Outreach

   Description: The City of Stoughton is an active member of MAMSWaP (Madison Area Municipal Storm Water Partnership) specifically to broaden our Public Education and Outreach message. The County-wide messages and programs help to inform the public within Stoughton and beyond. MAMSWaP maintains a website formerly known as MyFairLakes.com and in 2016 was rebranded to www.ripple-effects.com
   This website offers a wealth of information to visitors related to stormwater topics. This City provides a link from our website to this website. Locally, the City sent out a newsletter (*The Tower Times*) to all addresses in the City of Stoughton 3 times a year.

   Measurable Goals: Distribution of Tower Times Newsletter to City residents; Participate in MAMSWaP meetings and their Information and Education Subcommittee meetings.

   Results Achieved: I participated in MAMSWaP meetings on February 16th, May 3rd and August 2nd. I participated in MAMSWaP I & E subcommittee meetings on February 11th, April 21st, and October 18th.

   Educational articles included in three Tower Times mailings include the following:
   - Drug Drop-Off: Get Unwanted Meds Out… Of your homes, Of our waters & landfills – Spring 2016 issue

- Spring Leaf Collection – Spring 2016
- Grass Clippings – Spring 2016
- Top Ten Reasons to Install at Rain Garden – Summer 2016
- Lawn Care Tips – Summer 2016
- Fall Leaf Collection – Summer 2016
- Grass Clippings – Summer 2016
- Sec 50-5; (Littering prohibited including noxious liquids) – Summer 2016
- You Can Help Lakes & Streams During Winter – Fall 2016
- Clean Water Starts at Home: Winter Walkways Worth Their Salt – Fall 2016
- Drug Drop-Off: Get Unwanted Meds Out… Of your homes, Of our waters & landfills – Fall 2016 issue
-

The "Dane Waters" DVD can be seen 24 hours a day on the City's Stormwater Management web page.

2. Public Involvement and Participation

Description: The City of Stoughton operates as an open form of government with all meetings of the Public Works Committee, Planning Commission, and Common Council being publicly noticed. These meetings offer opportunities for residents to voice their concerns/complaints regarding stormwater issues. The Planning Commission discusses site plans and associated stormwater practices for each new project or development. These are the primary meetings where stormwater issues are discussed.

Measurable Goals: Number of public meetings.

Results Achieved: The Common Council had 24 regular meetings in 2016, the Planning Commission had 12 regular meetings in 2016 and the Public Works Committee held 12 regular meetings in 2016.

Describe any planned changes to program: Track public involvement for biennial report to DNR such as inquiries made by the public during public meetings.

3. Illicit Discharge Detection & Elimination

Description: In 2016, the City began a project with an engineering consultant to evaluate our stormwater system and recommend improvements to our practices. Illicit Discharge Detection was an emphasis of that effort. Field staff is encouraged to report irregular discharges.

Measurable Goals: Locate and identify all outfalls. Conduct Field Screening for outfalls. Create an outfall screening schedule.

Results Achieved: Working with our engineering consultant, we created a table (See Table 3.02-4 and Table 3.02-5) of 81 outfalls that identifies their location, contributing subbasin, approximate drainage area, predominant land use, whether they are priority

outfalls or not, whether they are major or minor and the recommended screening schedule. A Field Screening Template has been developed. Field screenings took place and were documented for all required outfalls. A copy of the field screening report is included with this report.

We had one identified illicit discharge incident where an observant Stoughton Police Officer observed someone pouring something down a stormsewer. The officer approached the individual and created a police report and contacted the Director of Planning & Development. Upon learning of the incident the Director of Planning & Development contacted the DNR to discuss actions. The DNR requested that the officer contact the Violation Hotline to report the incident.

Describe any planned changes to program: Utilize the Outfall Screening Schedule created along with the Field Screening Template and conduct and document the inspections.

4. Construction Site Pollutant Control

Description: In 2016, the City began a project with an engineering consultant to evaluate our stormwater system and recommend improvements to our practices. Our Building Inspector evaluates permits and site related to one and two-family construction projects. Site plans for one and two-family dwellings are required to include provisions for erosion control as well as manage waste such as building materials. The City contracts with Dane County Land Conservation to conduct stormwater and erosion control reviews on all projects that are not one and two-family dwellings.

Measurable Goals: Evaluate the City ordinances governing construction site pollution control. Plan review and inspection activities work to insure compliance of construction site pollution.

Results Achieved: The evaluation of our ordinances identified deficiencies related to construction site pollution control. We worked with our engineering consultant as well as our City Attorney to draft ordinances to bring the construction site pollution control regulation into compliance with NR 151 and NR 216. In 2016, Dane County conducted 22 erosion control plan reviews & 20 storm water plan reviews. They made 338 inspections, had 44 contacts and issued 3 notices of noncompliance with all issues being resolved before enforcement action was recommended. Our Building Inspector inspects all phases of construction for one and two-family homes. This allows him to be present on each construction site numerous times throughout the construction and seek remedies to deficiencies on the spot.

Describe any planned changes to program: Within the first quarter of 2017, adopt ordinance revisions to reflect the recommended changes to construction site pollutant control requirements. Ordinance revisions were adopted by the City Common Council on 3-14-17. A copy of the updated ordinance is attached.

5. Post-Construction Storm Water Management

Description: In 2016, the City began a project with an engineering consultant to evaluate our stormwater system and recommend improvements to our practices. Our Building Inspector evaluates permits and site related to one and two-family construction projects. Site plans for one and two-family dwellings are required to include provisions for erosion control as well as manage waste such as building materials. The City contracts with Dane County Land Conservation to conduct stormwater and erosion control reviews on all projects that are not one and two-family dwellings.

Measurable Goals: Evaluate the City ordinances governing construction site pollution control. Plan review and inspection activities work to insure compliance of post-construction stormwater management requirements.

Results Achieved: The evaluation of our ordinances identified deficiencies related to construction site pollution control. We worked with our engineering consultant as well as our City Attorney to draft ordinances to bring the post-construction stormwater management regulation into compliance with NR 151 and NR 216. In 2016, Dane County conducted 22 erosion control plan reviews & 20 storm water plan reviews. They made 338 inspections, had 44 contacts and issued 3 notices of noncompliance with all issues being resolved before enforcement action was recommended. Stormwater maintenance plans for approved projects are recorded with the Dane County Register of Deeds. Dane County reviews final construction of stormwater management facilities for compliance with the approved stormwater management plan for such projects.

Describe any planned changes to program: Within the first quarter of 2017, adopt ordinance revisions to reflect the recommended changes to post-construction stormwater management regulations. Ordinance revisions were adopted by the City Common Council on 3-14-17. A copy of the updated ordinance is attached. Document the number of stormwater management permits issued each year.

6. <u>Pollution Prevention</u>

Description: The City's Department of Public Works conducts several activities intended to reduce pollution of stormwater. These activities include: catch basin cleaning, street sweeping, de-icing, yard waste collection including leafs and operation of a yard waste collection site. In 2016, the City began a project with an engineering consultant to evaluate our stormwater system and recommend improvements to our practices. The Public Works Facility operates under a stormwater pollution prevention plan (SWPPP).

Measurable Goals: Public Works personnel track the amount of leaves (vacuumed), yard waste (leaves and grass clippings) collected, street sweepings, salt usage, blended brine used. Evaluate the SWPPP for the Public Works Facility.

Results Achieved: In the Fall of 2016, our engineering consultants recommended updating our SWPPP. The updated SWPPP was adopted on 2-28-2017 and a copy is included with this report.

Public works Crews generated the following quantities:

- Leaves (vacuumed) – 923 tons
- Yard waste site collections (grass clippings, leaves) – 1,584 cubic yards
- Street Sweepings – Materials is transported to Dane County Landfill
    - 395.5 cubic yards (Pelican Sweeper)
    - 1,284 cubic yards (Whirlwind Sweeper)
- Salt Usage – 457.32 tons
- Salt Sand mixture – 0 tons used
- Blended Brine – 8,343 gallons

Note: All leaves and yard waste collections are composted were composted at a local organic farm.

Describe any planned changes to program: Train and operate under the updated SWPPP.

Part VIII. Water Quality Concerns

b.

The City entered into a project with Strand Associates to update our Stormwater Management Plan in 2016. The scope of services for that project is included in this annual report. This project continues into 2017. This effort will assist the City in evaluating options to improve water quality efforts to meet required goals including TMDL requirements for the specific reaches within our City.

In 2016, The City of Stoughton entered into the Intergovernmental Agreement for An Adaptive Management Plan for the Yahara Watershed (referred to as Yahara Wins). The group is collectively working to achieve compliance with WPDES permit requirements related to the Rock River TMDL. A copy of the agreement is included with this annual report. This ongoing effort is intended to offer opportunities to improve water quality under our permit requirements.

The City of Stoughton has an on-going agreement with Dane County Land Conservation for review and inspection services related to activities in the City that require construction site erosion control and/or post-construction stormwater management according to Chapter 10, Article IV of the City of Stoughton Code of Ordinances for projects not covered under the Uniform Dwelling Code for one and two-family homes.

The City joined the Madison Area Municipal Stormwater Partnership (MAMSWaP) in 2008. Our participation focuses on the information and education component of our permit; however, exposure to the group allows the City to remain current with other aspects of stormwater management efforts being undertaken by other members. We continue to actively participate in the Information & Education subcommittee of MAMSWaP.

The City of Stoughton utilizes the following practices to reduce sediment and phosphorus contributions to the Yahara River (Dane County requirements limit the availability and use of phosphorus fertilizer products which assists in the reduction of phosphorus in the Yahara River):

Catch Basin Cleaning: The City of Stoughton cleans inlet grates before and after each rainfall. Each catch basin in the City is inspected and cleaned at least once per year.

Street Sweeping: The City performs street sweeping activity from March through November each year, depending on the weather. The Downtown area is swept every Friday morning while the rest of the City streets are swept once per month. The City uses one mechanical broom sweeper and one vacuum type sweeper.

De-icing, etc: The City uses salt, salt brine, or a mixture of sand and salt as necessary. On average, the City uses approximately 250 pounds of salt per lane mile and 10 gallons of brine per ton. Salt in solid form is pre-wetted prior to application. Since 2011, the City introduced a beet juice solution to use prior to snow events to reduce the amount of salt used.

Yard Waste: The City collects yard waste curbside for 3 weeks in the Spring (normally during April) and 6 weeks in the Fall (scheduled between mid-October and December 1st). There is also a City site at which residents can drop off their own yard waste. The City uses 2 leaf vacuum trucks. Leaf and grass clippings that the City collects are used by local organic farmers.

Turf Management: The City started a turf management program in 2013 to assist with controlling weeds and promoting healthy turf grasses for athletic fields in city parks and other city owned properties. Fertilizing and weed control applications are contracted out and applied only to areas identified through turf assessments.

Attachment 2

STRAND ASSOCIATES®

Strand Associates, Inc.®
910 West Wingra Drive
Madison, WI 53715
(P) 608-251-4843
(F) 608-251-8655

Task Order No. 16-02
City of Stoughton, Wisconsin (City)
and Strand Associates, Inc.® (Strand)
Pursuant to Technical Services Agreement dated March 18, 2014

Project Information

Services Name: Total Maximum Daily Load (TMDL) Stormwater Plan

Services Description: Prepare a TMDL Stormwater Plan in accordance with Rock River Basin TMDL requirements.

Scope of Services

Strand will provide the following services to City:

1. Administration and Meetings

   a. Assist City in the submittal of up to four quarterly grant progress reports and reimbursement requests. Prepare and submit the Wisconsin Department of Natural Resources (WDNR) Final Report (Form 3400-189).

   b. Participate in up to five meetings, including kickoff meeting, two progress meetings, one public information meeting, and one presentation meeting.

2. Stormwater Quality Modeling, Alternatives Analysis, and Implementation Plan

   a. Provide up to two days of field survey and inventory of existing stormwater best management practices (BMPs).

   b. Provide an updated map to the City in accordance with Wisconsin Pollutant Discharge Elimination System (WPDES) Permit No. WI-S050075-2 based on information provided by the City.

   c. Provide a tabular summary for the City in accordance with WPDES Permit No. WI-S050075-2.

d. Update City stormwater quality modeling in accordance with with the WDNR's October 20, 2014 *TMDL Guidance for MS4 Permits: Planning, Implementation, and Modeling Guidance.* Modeling will be performed in WinSLAMM for Total Suspended Solids and Total Phosphorus.

e. Identify and analyze up to three alternatives to assist in meeting the TMDL requirements within the City limits consisting of a combination of the various implementation methods listed below. Provide a figure, analysis, and opinion of probable cost for each alternative. The following implementation methods will be considered.
   (1) Ordinance Review and Updates
   (2) Structural Management Practices
   (3) Operational Management Practices
   (4) Streambank Stabilization

f. Provide a written section in the plan discussing the mechanism for achieving TMDL compliance through pollutant trading and watershed adaptive management including review of level of buy-in to a full-scale Yahara Watershed Improvement Network watershed adaptive management project. Develop a concept level cost to achieve TMDL compliance through pollutant trading and watershed adaptive management for comparison with TMDL compliance within the City limits.

g. Develop a project implementation plan considering engineering requirements, amount of benefit, available funding, land availability, and related issues for the City. The implementation plan will include prioritization of improvements, potential schedule of improvements, and budgeting plan including identification of potential funding sources. This plan will consist of a table within the TMDL Stormwater Plan for the City.

3. Stormwater Program Updates

a. Review and modify, as necessary, the City's programs for Public Education and Outreach and Public Involvement and Participation that are complementary to the Madison Area Municipal Storm Water Partnership efforts.

b. Review and update the City's construction site erosion control ordinance (Chapter 10-Article IV. Erosion Control and Stormwater Management) in accordance with the most recent NR 151 revisions.

c. Review and update the City's stormwater management ordinance (Chapter 10-Article IV. Erosion Control and Stormwater Management) in accordance with the most recent NR 151 revisions.

d. Update the City's Illicit Discharge Detection and Elimination programs and ordinances in accordance with WDNR's March 2012 Guidance document. Provide illicit discharge inspections in 2016.

e. Review and update the City's existing Stormwater Pollution Prevention programs.

f. Provide information on the City's deicing activities based on information provided by the City.

4. Stormwater Utility Rate Review and Update

Review City's existing stormwater utility budget, prepare a proposed stormwater utility budget, analyze up to three utility rate modification scenarios, and document these efforts including impacts to selected residential and non-residential properties.

5. TMDL Stormwater Plan

Prepare a TMDL Stormwater Plan and submit to City in draft and final formats. Submit two copies of the draft and final plan to City in a hard copy format (total of four hardcopies), and provide a portable document format file copy of the draft and final plan.

Compensation

City shall compensate Strand for Services under this Task Order on an hourly rate basis plus expenses an estimated fee of $99,800.

Schedule

Services will begin upon execution of this Task Order, which is anticipated on April 25, 2016. Services are scheduled for completion on February 15, 2017.

City's Responsibilities

In addition to those listed in the associated Technical Services Agreement, the City shall be responsible for providing ENGINEER with the information listed below.

1. Provide a stormwater inlet sump inventory consisting of visual observation and measurement of each stormwater inlet/catch basin on the City's property. This information will be used in the water quality model to provide the City full credit for the inlets that have sumps in them. The City shall provide a map of the locations of inlets with sumps.

2. Provide information relative to existing stormwater management practices including education and public outreach, public involvement and participation, illicit discharge detection and elimination, stormwater and erosion control ordinance administration, pollution prevention for municipal operation/maintenance of stormwater BMPs, street sweeping, catch basin cleaning, deicing and snow removal, leaf and grass clipping management, municipal garage and storage area management, and turf maintenance policies.

3. Provide a list and location of new, redevelopment, and in-fill development projects with a notice of intent on or after October 1, 2004. Provide a list and location of development projects prior to October 1, 2014, that have stormwater BMPs.

4. Provide list, location, design drawings (grading plans/details), and stormwater management reports for all known existing stormwater BMPs (including privately-owned) and practices for which stormwater quality credit is pursued.

5. Provide available existing soil borings at dry detention basins, infiltration basins, and other stormwater facilities.

6. Provide the most recent version of the following maps in digital format, as available.

    a. Stormwater system map including locations of grass-lined ditches
    b. Municipal boundary
    c. Existing land use
    d. Zoning
    e. Streets
    f. Public Works Facilities
    g. Parks, recreational lands, open space map
    h. Wetlands
    i. Most recent aerial photography
    j. Most recent contours

7. Provide the City's Pavement Surface Evaluation and Rating database for the City's streets.

8. Submit quarterly grant progress reports and reimbursement requests to the WDNR.

TASK ORDER AUTHORIZATION AND ACCEPTANCE:

CITY OF STOUGHTON

Donna Olson 4-20-16
Donna Olson Date
Mayor

ATTEST

Lana Kropf 4/20/2016
Lana Kropf Date
City Clerk

4-20-16
City Comptroller

STRAND ASSOCIATES, INC.®

4/22/16
Matthew S. Richards Date
Corporate Secretary

APPROVED AS TO FORM

4-18-2016
Matthew P. Dregne Date
City Attorney

MAR:raf\R:\MAD\Documents\Agreements\S\Stoughton, City of (WI)\TSA 2014\TO\2016\1040.104.16-02.docx

Attachment 3

INTERGOVERNMENTAL AGREEMENT FOR AN ADAPTIVE MANAGEMENT PLAN FOR THE YAHARA WATERSHED

WHEREAS, Wis. Stat. § 66. 0301, entitled "Intergovernmental cooperation," provides that any municipality (defined as including but not limited to any state agency, city, village, town, county, sanitary district, metropolitan sewerage district or sewer utility district) may contract with other municipalities for the furnishing of services, and the joint exercise of any power or duty required or authorized by law;

WHEREAS, the U.S. Environmental Protection Agency (EPA) has approved Total Maximum Daily Loads for Total Phosphorus and Total Suspended Solids (TSS) in the Rock River Basin (the "Rock River TMDL" or "TMDL"), which includes the Yahara Watershed as shown on Exhibit A;

WHEREAS, municipalities who own Publicly Owned Treatment Works (POTWs) and/or Municipal Separate Storm Sewer Systems (MS4s) in the Yahara Watershed are required to meet surface water quality standards and/or not exceed wasteload allocations for phosphorus and TSS pursuant to the provisions of Wis. Admin Code § NR 217 and/or the Rock River TMDL;

WHEREAS, Wis. Admin Code § NR 217. 18 allows sources holding a Wisconsin Pollutant Discharge Elimination System (WPDES) permit the option known as adaptive

management which involves developing an Adaptive Management Plan involving point and nonpoint sources to achieve water quality standards and TMDL allocations;

WHEREAS, Wis. Stat. § 283. 13 (7) allows adaptive management to be used to address TMDL allocations for both phosphorus and TSS over four permit terms;

WHEREAS, in 2012 Madison Metropolitan Sewerage District (District) developed an adaptive management pilot project with other interested parties within the Yahara watershed as set forth in a Memorandum of Understanding for an Adaptive Management Pilot Project in the Yahara Watershed;

WHEREAS, on December 14, 2014, the District entered into a Memorandum of Understanding with the Wisconsin Department of Natural Resources (DNR) regarding the manner in which a full scale Adaptive Management Plan for the Yahara Watershed would be developed and evaluated;

WHEREAS, the District has committed to developing an Adaptive Management Plan to fulfill its phosphorus compliance obligations under its WPDES permit and fulfill the phosphorus TMDL obligations of other permittees;

WHEREAS, the undersigned municipalities within the Yahara Watershed, (Parties) wish to join together to jointly participate in the Adaptive Management Plan;

WHEREAS, the Parties desire to create an intergovernmental agreement and form a group known as "The Yahara Watershed Improvement Network (Yahara WINS) Group" or simply "the Group";

WHEREAS, the Parties desire to create a commission that will administer such participation, information gathering, projects and activities of the Group all as set forth in this Agreement;

WHEREAS, the Parties desire to implement this Agreement in a collaborative, cooperative, manner to advance the Adaptive Management Plan;

WHEREAS, the Parties to this Agreement anticipate that the Group will contract and work collaboratively with agricultural producers, non-governmental organizations, county agencies and other entities to advance the Adaptive Management Plan;

NOW THEREFORE, in consideration of the mutual covenants herein contained and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties agree to create this Intergovernmental Agreement for an Adaptive Management Plan for the Yahara Watershed ("Agreement") as follows:

1. GOALS OF THE GROUP.

The Parties hereby agree to cooperate to exercise their municipal powers jointly for:

a. Providing review and comments on the Adaptive Management Plan prepared by the District;

b. Contracting with consultants, legal counsel, and other parties to further the development, implementation and evaluation of the Adaptive Management Plan;

c. Coordinating or contracting with the DNR and other pertinent agencies, units of local government, and non-governmental organizations and entities to achieve the goals of the Adaptive Management Plan;

d. Pooling resources in accordance with the provisions of cost allocations in Exhibit B to achieve the goals of the Adaptive Management Plan.

e. Achieving compliance with WPDES permit requirements related to the Rock River TMDL.

2. MEMBERS OF THE GROUP

a. In General. The members of the Group ("Members") created by this Agreement are the Wisconsin municipalities (defined as including but not limited to any state agency, city, village, town, county, sanitary district, metropolitan sewerage district or sewer utility district) who own Publicly Owned Treatment Works (POTWs) and/or Municipal Separate Storm Sewer Systems (MS4s) or municipalities who have land within areas served by the Adaptive Management Plan, and which have duly executed identical counterparts or copies of the Agreement pursuant to Section 3 ("Members" collectively and "Member" individually) on or before April 15, 2016.

b. Changes in Membership. Additional Wisconsin municipalities may become Members of the Group with the consent of a majority of the Members by becoming Parties to this Agreement on the condition that payments be made to cover their share of costs based on their phosphorus allocation for the years from the date of this Agreement to their membership date. Members may cease to be Members and Parties to this Agreement pursuant to Section 12.

c. Representative to the Group. All Group Members shall designate a representative and an alternate representative. A Member may remove or replace its representative to the Group at will, with or without cause, at any time. All designations of representatives, alternatives and replacements shall be made in writing, signed on behalf of the Member and delivered to the Secretary of the Executive Committee. Each Member's representative shall have the authority to act on the Member's behalf at meetings held under Section 5.

3. AUTHORITY OF MEMBERS TO PARTICIPATE.

a. This Agreement is entered into pursuant to authority granted under Wis. Stat. § 66. 0301. Each municipality identified in Section 2. a. that wants to become a member of the Group shall authorize participation in this Agreement by resolution or other binding action by the governing body or person authorized to act for such municipality.

b. By authorizing participation, each Member agrees to the terms and conditions of this Agreement, to the establishment of the Executive Committee created by this Agreement and to appoint a Member representative to the Group;

c. A copy of the document authorizing participation shall be sent to and be maintained on file with the Executive Committee.

4. POWERS OF THE GROUP

The Group, acting through Group Member Representatives, shall have the following powers:

a. To elect the members of the Executive Committee as set forth in Section 6.

b. To approve the five-year and annual budgets under Section 8.

c. To approve the bylaws proposed by the Executive Committee.

d. To share information and advise the Executive Committee on all matters including elements of the Adaptive Management Plan.

5. MEETINGS OF THE GROUP

a. The Group shall meet no less than four times per year.

b. A quorum shall be a majority of the Group Member Representatives and must include the representatives from the District and any other member who contributes at least one fifth of the allocated cost under Exhibit B. If a quorum is not present the members present may meet and share information, but no action may be taken.

c. Unless otherwise expressly provided by this Agreement, all votes of the Group Member Representatives shall be by a majority of the Group Member Representatives present at a meeting where there is a quorum.

d. All meetings shall be open meetings and require public notice in accordance with Wisconsin's open meeting laws. The Group shall encourage the participation of other interested parties including agricultural producers and nongovernmental entities.

6. EXECUTIVE COMMITTEE

a. Creation of Executive Committee. There is created a five member Executive Committee which will be a commission under Wis. Stat. § 66. 0301(2) and (3), to administer the joint activities of the Yahara WINS Group. This commission shall be formally referred to as THE YAHARA WINS EXECUTIVE COMMITTEE, and referred to in this Agreement as the "Executive Committee". This Executive Committee shall operate as a governmental body under Wis. Stat. § 19. 82(1).

b. Members of the Executive Committee. The Executive Committee shall be comprised of five Member representatives and two non-Member advisors.

(1) The Executive Committee members shall include a representative from the Madison Metropolitan Sewerage District and a representative from any Member, other than the District, who contributes at least one fifth of the allocated cost under Exhibit B. Of the remaining members, one must be from a city or village, one from

a town, and one will be an at large position. Member representatives for the cities and villages participating in this agreement will vote to select their representative to the Executive Committee, and Member representatives for the towns participating in this agreement will vote to select their representative to the Executive Committee, and the Member representatives of the group as a whole will vote to select the at large representative.

(2) Recognizing the key collaborative roles played by Dane County and members of the agricultural community in the Adaptive Management Pilot Project and their anticipated roles as this Agreement moves forward, Dane County and the Yahara Pride Farm Group may each appoint an advisor to the Executive Committee. The Executive Committee may in its discretion appoint additional advisors. The advisors shall be given notice of all Executive Committee meetings and may participate in such meetings as non-voting members.

c. Term. The term of the three elected members of the Executive Committee shall be for five year terms and the elected members may be reelected for one or more additional terms.

d. Purposes and Powers of the Executive Committee.

(1) To make, amend and repeal bylaws and rules related to the purpose and operation of the Group subject to approval by the Group.

(2) To invest funds not required for immediate disbursement in properties or securities as permitted by state law.

(3) To make and execute contracts and other instruments of any name or type necessary or convenient for the exercise of the powers granted herein, including contracts with engineers, legal counsel, administrative staff and other consultants.

(4) To accept contributions of capital from Members or third parties.

(5) To do all acts and things necessary or convenient for the conduct of its business and the general welfare of the Group and the Parties and to carry out the purposes and powers granted to it by this Agreement.

(6) To sue, and be sued, complain and defend in all courts, and also, appear in or before applicable governmental agencies administrative tribunals and legislative bodies.

e. No Compensation. The members of the Executive Committee shall serve without compensation, provided, however, that the Executive Committee shall have discretion to reimburse members of the Executive Committee for reasonable expenses incurred for special services to the Executive Committee.

f. Quorum. A quorum shall be a majority of the members of the Executive Committee and must include the representative from the District and the representative of any Member (other than the District) who contributes at least one fifth of the allocated cost under Exhibit B. No action may be taken in the absence of a quorum.

g. Voting. The members of the Executive Committee shall vote upon matters in the following manner:

(1) Voting in General. Unless otherwise expressly provided by this Agreement, the bylaws, or some other subsequent action of the Executive Committee, all votes shall be by a majority of the members of the Executive Committee present at a meeting where there is a quorum.

(2) Voting on Matters Which May Affect WPDES Permit Compliance. The Executive Committee shall provide written notice to all Members of any

Executive Committee proposed or recommended action potentially affecting any Member's WPDES permit, other than the development and implementation of the Adaptive Management Plan. Such actions include the following: (i) the development or implementation of terms and conditions of a WPDES permit; (ii) a violation of a WPDES permit, (iii) a WPDES permit modification or revocation (iv) a change in WPDES permit limits or compliance plan; or (v) any other action that could jeopardize a Member's WPDES permit compliance. Any Member so notified has 30 days from the date of the notice to provide a written objection to the Secretary of the Executive Committee to any such actions that affect its WPDES permit. In such a case, no final action may be taken by the Executive Committee without the further written consent of the objecting Member.

(h) Meeting. The Executive Committee shall meet no less frequently than quarterly. Additional meetings may be held at the request of any member of the Executive Committee.

7. OFFICERS.

a. Officers of the Executive Committee. The Officers of the Executive Committee are a President, a Vice-President, a Secretary, a Treasurer and such other Officers as the Executive Committee may designate. The President shall be the District representative. The Vice-President, Secretary, Treasurer and any other officers shall be elected by the members of the Executive Committee from among the members of the Executive Committee and shall serve five year terms.

b. Dual Signature Required. The signatures of two officers shall be required on all forms of approval for payment, and all legally binding documents executed in the name of the Executive Committee or the Group.

c. Duties. Unless otherwise determined by the Executive Committee, the duties of the officers shall include the following:

(1) President. The President shall be the principal executive officer of the Executive Committee, shall preside at all meetings of the Executive Committee and set the agenda.

(2) Vice-President. In the absence of the President, or in the event of his or her inability or refusal to act, the Vice-President shall perform the duties of the President.

(3) Secretary. The Secretary shall keep minutes of the meetings of the Executive Committee in one or more books provided for that purpose; see that all notices are duly given in accordance with this Agreement, or as required by law; and be custodian of the Executive Committee's records. The Secretary shall take such actions as are prudent and necessary to maintain the public records at the offices of the District in accordance with Wisconsin's public records laws.

(4) Treasurer. The Treasurer shall have charge and custody of and be responsible for all funds and securities of the Group and shall have charge of the financial records of the Group. The Treasurer will work with District staff to set up a segregated account for the funds of the Group. The Treasurer shall take such actions as are prudent and necessary to maintain the public records at the offices of the District in accordance with Wisconsin's public records laws.

d. Removal. An officer other than the President may be removed from office with cause upon a majority vote of the members of the Executive Committee.

8. BUDGET

The Executive Committee shall prepare budget documents as follows:

a. Project Budget. The 20 year adaptive management cost to Members and the associated annual cost are listed in Exhibit B to this Agreement.

b. Five Year Budget. The Executive Committee shall break down the 20 year adaptive management costs into five year intervals corresponding with the estimated permit terms. The Five Year Budget shall be approved by a majority of the Member Representatives present in the meeting of the Group in which action on the Project Budget is taken. The Five Year Budget shall be updated no less than every five years and approved by the Group. Estimated project costs shall be allocated equally over the 20 year Adaptive Management Plan period to the extent practicable.

c. Annual Budget. The Executive Committee shall prepare a detailed annual budget of the estimated expenditures associated with the Adaptive Management Plan for the next calendar year, and present the annual budget to the Group for review no later than September 30th of each year. The annual budget shall be consistent with the Five Year Budget approved in Section 8 (b), and shall be approved by October 31st of each year by a majority of the Member Representatives of the Group present at the meeting in which action on the annual budget is taken. The Executive Committee shall send invoices to Members consistent with the annual cost shown in Exhibit B, subject to any revision consistent with Section 9 of this Agreement on or before December 15 of each year. The first invoice under this Agreement will be sent to Members on or before December 15, 2016 and will be for the calendar year 2017. Invoices will be sent to Members annually thereafter on or before December 15th of each year. Payments based on each annual invoice shall be made in two equal installments. The first installment shall be made on or

before February 28th of each year and the second installment shall be made on or before June 30th of each year.

d. Funds for 2016 are based on a continuation of annual payments made by the participants to the Adaptive Management Pilot Project at the same funding level as 2015. The Executive Committee shall receive any such payments to further the purposes of this Agreement and subject to the audit and reporting requirements set forth in Section 10.

9. CHARGES TO MEMBERS.

a. Costs shall be allocated among Members as shown in Exhibit B, except as otherwise provided in this Section. Cost allocations in Exhibit B are based on phosphorus load reductions and are determined by multiplying the total adaptive management project cost by the fraction of the total pounds of required project phosphorus reduction needed by each Member to meet its TMDL allocation under current conditions. For example, if the required phosphorus reduction of an individual member is equal to 5 percent of the total pounds of phosphorus reduction from all sources in this adaptive management project, that member is assigned 5 percent of the total project cost. For the purpose of Exhibit B, required phosphorus reductions were determined as follows:

(1) **Point Source Members**: For the purpose of this section, Point Source Members are those members who own or operate facilities identified in Appendices P, Q, R and S of the Rock River TMDL. The required phosphorus reduction is determined by subtracting the TMDL allocated phosphorus load from the current condition phosphorus load, with the current condition phosphorus load defined as the most recent five year average load (2010 thru 2014) using data obtained from the DNR. For all Point

Source Members, the allocated phosphorus load is consistent with the allocation specified in the TMDL. For Point Source Members that own or operate POTWs, required phosphorus reductions also factor in the need to meet the interim concentration limits specified in Section 14 (b).

(2) **MS4 Members:** For the purpose of this section MS4 Members are those Members who own Municipal Separate Storm Sewer Systems as identified in Appendices T, U, and V of the Rock River TMDL, except that the University of Wisconsin-Madison shall also be considered an MS4 Member. The required phosphorus reduction for MS4 Members is determined by subtracting the TMDL allocated phosphorus load from the TMDL baseline phosphorus load.

b. Members shall commit to payment in accordance with the schedule in Exhibit B.

c. Notwithstanding Exhibit B, it is recognized that MS4 Members may update stormwater modeling consistent with the DNR guidance document titled "TMDL Guidance for MS4 Permits: Planning, Implementation and Modeling Guidance" (October 20, 2014). If the updated modeling is reviewed and approved by DNR, and shows a required annual phosphorus reduction that is different than what was used to develop the cost allocation in Exhibit B, the cost for that MS4 Member in Exhibit B will be adjusted as follows:

$$\text{Exhibit B Cost} \times \left[\frac{\text{Revised phosphorus reduction (lbs/yr)}}{\text{Initial phosphorus reduction (lbs/yr)}}\right] = \text{Revised Cost}$$

If the revised phosphorus reduction information is received by the Executive Committee on or before September 1st of any year, the revised cost will be applied to all years going forward. For example, if data is received on or before September 1, 2017 that results in a revised cost being calculated, that revised cost will be applied to annual payments beginning in 2018. Additionally, a true-up will be allowed at the end of every five year WPDES permit term to reflect practices that may have been added during that WPDES permit term that result in a revised phosphorus reduction and therefore a revised cost, provided those reductions are in excess of the baseline reductions in Section 14 (a). Revised costs would be calculated using the above formula and would be applied to annual payments going forward.

d. If an MS4 makes an initial payment in 2017 based on Exhibit B and subsequently submits information that results in a revised cost that is less than shown in Exhibit B, the amount of overpayment shall be credited to the MS4 over the next four year period in equal annual installments. If an MS4 makes an initial payment in 2017 based on Exhibit B and subsequently submits information that results in a revised cost that is greater than shown in Exhibit B, the underpayment shall be recovered from the MS4 over the next four year period in equal annual installments.

e. Notwithstanding Exhibit B, the costs for Point Source Members will be revised at the end of 2016 using the most recent five year phosphorus load averaging period if it is different than the averaging period used in developing the cost allocations in Exhibit B. The cost will be adjusted as follows:

$$\text{Exhibit B Cost} \times \left[\frac{\text{Revised phosphorus reduction (lbs/yr)}}{\text{Initial phosphorus reduction (lbs/yr)}}\right] = \text{Revised Cost}$$

The revised cost will be applied to the years going forward. Additionally, a recalculation of the phosphorus load will be made at the end of every five year WPDES permit term using the most recent five year average and will be used to calculate a revised cost, which will be applied to annual payments for the years going forward. The revised cost will be calculated using the formula in this section.

f. MS4 Members and Point Source Members participating in this agreement may choose to accomplish some of their TMDL required phosphorus reduction independently and therefore "purchase" only a portion of their required phosphorus reduction through adaptive management. In this case, the Exhibit B cost or the Revised Cost (whichever is applicable) will be adjusted by multiplying it by the fraction of the required phosphorus reduction that is purchased through adaptive management. For example if an MS4 Member or Point Source Member purchases ninety-five percent of its required phosphorus load through adaptive management, the cost would be revised as follows:

Exhibit B Cost or Revised cost (whichever is applicable) x 0. 95 = Adjusted Cost

g. MS4 Members and Point Source Members choosing to purchase only a portion of their required phosphorus reduction through adaptive management agree that they must have a plan in place to accomplish the portion not purchased. The plan should identify significant anticipated milestones. In addition, they agree to provide a summary to the Group at a frequency of at least once every two years specifying progress made in achieving the reductions not accomplished through adaptive management.

MS4 Members and Point Source Members shall specify at the time they execute this agreement the portion of their required phosphorus reduction, expressed in pounds per year, which they will accomplish independently. The adaptive management project costs will be reviewed at least 360 days prior to the end of a five-year WPDES permit term for which the Adaptive Management Plan is a permit condition. The costs may be adjusted based on this review and upon approval by a majority of the Members. Adjustments (if any) may result in either a lower or higher charge to members going forward. Adjustments (if any) in the charge to Members will be made at the start of the next five-year WPDES permit term and will be made proportional to the required phosphorus reduction of Members. Adjustments will be reflected in the Five Year Budget under Section 8.

10. AUDIT AND REPORTING

a. The Executive Committee shall arrange for a financial audit of the Group's financial records on an annual basis by an independent accounting firm using generally accepted accounting principles.

b. The Executive Committee shall prepare an annual report and provide it to all Members and to other government agencies as may be required. In addition to containing financial information, the annual report shall describe activities undertaken and progress made over the preceding year with respect to implementation of the Adaptive Management Plan. The annual report shall review the effectiveness of the measures undertaken as part of the Adaptive Management Plan and to the extent possible document the amount of phosphorus reduced by each of the project elements implemented under this

Adaptive Management Plan. The annual report shall be distributed to the Group and published on the Group's website by June 30th of each year.

11. LIABILITY OF THE EXECUTIVE COMMITTEE AND/OR GROUP.

a. In the event any costs or expenses are imposed on the Group or the Executive Committee as a result of any judicial or administrative proceeding or settlement thereof, and the liability is not directly attributable to the conduct of a specific Member or Members, the costs and expenses shall be treated as a cost of the Group to be allocated among all Members proportional to the phosphorus reduction associated with each Member as determined consistent with this Agreement.

b. If any costs or expenses are imposed on the Group or the Executive Committee as a result of any judicial or administrative proceeding or settlement thereof, and the liability is directly attributable to the conduct of a specific Member or Members, the costs and expenses shall be allocated among those Members whose actions caused the imposition of the costs or expenses to the Group or Executive Committee, in proportion to their responsibility as determined by the presiding official of the judicial or administrative proceeding, or if no such determination, by the Executive Committee. Any member of the Executive Committee who represents a Member with an interest in the determination shall recuse themselves from all participation on the Executive Committee as to that issue. Any Member not satisfied with the decision of the Executive Committee can request the issue be resolved through mediation. The costs of mediation are to be borne equally by each Member to the mediation.

12. TERM OF AGREEMENT AND WITHDRAWAL.

a. The term of this Agreement shall begin on April 15, 2016 and will generally coincide with the term of the approved Adaptive Management Plan which is anticipated to be approximately 20 years from approval.

b. This Agreement shall terminate upon conclusion of the Adaptive Management Plan or termination of the Adaptive Management Plan if the Adaptive Management Plan is terminated by DNR. This Agreement may also be terminated at a duly noticed meeting of the Group, upon a two thirds vote by Member Representatives of the Group to terminate the Agreement, at least 270 days prior to the end of a WPDES permit term for which the Adaptive Management Plan is a permit condition. In no event shall termination become effective prior to the end of a WPDES permit term.

c. An individual Member may withdraw from the Agreement by providing notice at least 270 days prior to the end of a five-year WPDES permit term for which the Adaptive Management Plan is a permit condition, if the Member has paid its contribution for the five year WPDES permit period.

13. ADAPTIVE MANAGEMENT ADMINISTRATION

a. The Adaptive Management Plan shall be prepared by the District. The purpose of the Adaptive Management Plan when implemented is to fulfill the phosphorus TMDL obligations of Members, after accounting for baseline requirements that Members are required to meet individually pursuant to Section 14, and after accounting for adjustments that may be made pursuant to Section 9. TSS reductions associated with phosphorus reduction practices will also be quantified as part of the Adaptive Management Plan. If this Agreement is in effect prior to the submittal of the Adaptive Management

Plan to DNR by the District, then the District shall submit the Adaptive Management Plan to the Group for review and comment at least 60 days prior to District submittal to DNR.

b. Every five years as the WPDES permits come up for renewal, the District will prepare any amendment to the Adaptive Management Plan necessary to achieve the project goals and approval by the DNR. The District shall submit any Adaptive Management Plan amendments to the Group for review and comment at least 90 days prior to District submittal to DNR.

c. The District shall be responsible for administration and management of the Adaptive Management Plan and related activities, including contract management. The District will also serve as the primary contract laboratory for analysis of routine parameters (e. g. phosphorus, TSS, and nitrogen) from water samples collected as part of the adaptive management project, and can recover associated analytical costs from the Group.

14. ADAPTIVE MANAGEMENT PERMITTEE PROVISIONS

a. All MS4 Members participating in this Agreement are individually responsible for meeting the TMDL baseline conditions for sediment (TSS) and phosphorus control. The baseline condition for MS4 Members is 40% TSS control and 27% phosphorus control. These reductions must be achieved within each stream reach that they discharge to as identified in the TMDL. Trading with another MS4 member located within the same stream reach that has exceeded the baseline condition can be used to meet the baseline condition, but trade agreements are the responsibility of the participating Members and are not addressed directly through this Agreement.

b. All POTWs participating in this Agreement are required to meet an annual average effluent phosphorus concentration of 0.6 mg/L by the end of the first full WPDES permit term following implementation of the DNR approved Adaptive Management Plan, and an annual average effluent concentration of 0.5 mg/L by the end of the second full WPDES permit term following implementation of the DNR approved Adaptive Management Plan.

c. In the event the Adaptive Management Plan is terminated by DNR prior to the end of the original term of the Adaptive Management Plan, or if at the end of the adaptive management period DNR determines that the phosphorus and sediment (TSS) allocations identified in the TMDL have not been met for a stream reach, Members will be individually responsible for taking any additional steps needed to achieve compliance with phosphorus and sediment (TSS) reduction requirements in their WPDES permits. This could include converting to a water quality trading program that is consistent with applicable DNR guidance. Verifiable phosphorus and sediment (TSS) reductions or "credits" achieved through the adaptive management project will be distributed to Members proportionate to the Charges to Members under Section 9 of this Agreement, but use in a water quality trading program is subject to applicable DNR guidance.

d. In the event municipal boundaries change during the term of this Agreement, as land transfers from one municipality to another, the associated phosphorus load reduction and the associated payment responsibility also transfers to the new municipality.

e. Upon completion or termination of the adaptive management project, any funds remaining in the segregated account for the Group following payment of all

project expenses, shall be returned to members of the Group in direct proportion to the contribution made by each member of the Group.

15. NONDISCRIMINATION

In the performance of services under this Agreement, the Parties agree not to discriminate against any employee or applicant because of race, religion, marital status, age color, sex handicap, national origin or ancestry, income level or source of income, arrest record or conviction record, less than honorable discharge, physical appearance, sexual orientation, gender identity, political beliefs, or student status.

16. MISCELLANEOUS

a. Municipal Liability. Nothing in this Agreement shall constitute a waiver of any limitations on municipal or state agency liability that may exist as a matter of law, including but not limited to limitations in Wis. Stat. ch. 893.

b. Counterparts. This Agreement may be executed in counterparts, and the signatures of each party on separate copies of the Agreement shall be fully effective to bind each of them to the Agreement with any other party that signs any separate copy of the Agreement.

c. Entire Agreement. This Agreement supersedes any prior studies, memoranda, letters or oral discussions or understandings about the participation of any of the Members in this joint project. This Agreement represents the entire agreement of the Parties as to organization and the goals of the Group.

d. Amendment or Modification. No amendment or modification may be made to this Agreement except in writing signed by a two thirds majority of all Members.

e. Choice of Law. This Agreement shall, in general, be governed by and construed in accordance with the laws of the State of Wisconsin.

f. Exclusive Benefit. This Agreement is for the exclusive benefit of the Parties and their successors in interest and shall not be deemed to give any legal or equitable right, remedy or claim to any other entity or person.

g. No Joint Venture. This Agreement does not establish or evidence a Joint Venture or partnership between the Parties. No Party is liable for another Party's actions as a result of entering into this Agreement.

h. Succession. All the terms, provisions and conditions herein contained shall inure to the benefit of and be binding upon the Parties and their respective successors and assigns, including future governing bodies of the respective Members.

i. Notice. Any notice required or given under this Agreement shall be effective if mailed by U. S. mail, postage prepaid, to the representatives at the addresses set forth after the signatures below, or any substituted address or representative as is filed with the Secretary of the Executive Committee.

IN WITNESS WHEREOF, the Parties, by their duly authorized representatives, have executed this Agreement on the dates set forth below:

By:

2-10-16
Date of Execution

Fitchburg
Municipality Name

(Authorized Representative Signature)

Stephen L Arnold
(Authorized Representative Typed Name)

Mayor
(Authorized Representative Title)

Address: CITY OF FITCHBURG
5520 LACY RD
FITCHBURG WI 53711

IN WITNESS WHEREOF, the parties hereto have set their hands at Madison, Wisconsin.

~~CONTRACTOR~~

~~(Type or Print Name of Contracting Entity)~~

~~By: (Signature)~~

~~(Print Name and Title of Person Signing)~~

~~Date:~~

CITY OF MADISON, WISCONSIN
a municipal corporation

By: Paul R. Soglin, Mayor

Date: 4-13-16

By: Maribeth Witzel-Behl, City Clerk

Date: April 8, 2016

Approved as to Form:

Michael P. May, City Attorney

Date: 12 APRIL 2016

Approved:

David P. Schmiedicke, Finance Director

Date: 4/12/16

Eric T. Veum, Risk Manager

Date: 4/11/16

3-1-16

Date of Execution

By: Kurt J City of Middleton

Municipality Name

Kurt J Sonnentag

(Authorized Representative Signature)

Kurt J Sonnentag

(Authorized Representative Typed Name)

Mayor

(Authorized Representative Title)

Address: 7426 Hubbard Ave
Middleton, WI
53562

By:

February 1, 2016
Date of Execution

City of Monona
Municipality Name

(Authorized Representative Signature)

April Little
(Authorized Representative Typed Name)

City Administrator
(Authorized Representative Title)

Address: City of Monona
5211 Schluter Road
Monona, WI 53716

By:

March 1, 2016
Date of Execution

City of Stoughton
Municipality Name

Donna Olson
(Authorized Representative Signature)

Donna L. Olson
(Authorized Representative Typed Name)

Mayor
(Authorized Representative Title)

Address:
City of Stoughton
381 E. Main Street
Stoughton, WI 53589

By:

February 24, 2016
Date of Execution

City of Stoughton, WI
Municipality Name

(Authorized Representative Signature)

Robert P. Kardasz, P.E.
(Authorized Representative Typed Name)

City of Stoughton Utilities Director
(Authorized Representative Title)

Address:

Stoughton Utilities
600 S. Fourth St., P.O. Box 383
Stoughton, WI 53589

By:

February 16, 2016
(Date of Execution)

City of Sun Prairie
(Municipality)

Paul T. Esser, Mayor

Thomas Veith, Staff Engineer
Authorized Representative

Address: 300 East Main Street
Sun Prairie, WI 53590

By:

January 14, 2016
Date of Execution

Madison Metropolitan Sewerage District
Municipality Name

(Authorized Representative Signature)

D. Michael Mucha
(Authorized Representative Typed Name)

Chief Engineer and Director
(Authorized Representative Title)

Address: 1610 Moorland Road
Madison, WI 53713

1/27/16
Date of Execution

By:

Town of Blooming Grove
Municipality Name

(Authorized Representative Signature)

Dwight Johnson
(Authorized Representative Typed Name)

Town Board Chair
(Authorized Representative Title)

Address: 1880 S. Stoughton Rd
Madison WI 53716

By:

April 5, 2016

Town of Cottage Grove
(Municipality Name)

(Authorized Representative Signature)

Kris Hampton
(Authorized Representative Typed Name)

Town Board Chair
(Authorized Representative Title)

Address: 4058 County Road N
Cottage Grove, WI 53527

By:

3-21-2016
Date of Execution

Town of Dunn
Municipality Name

(Authorized Representative Signature)

Edmond. P. Minihan
(Authorized Representative Typed Name)

Town Chair
(Authorized Representative Title)

Address: 4156 County Rd B
McFarland, WI 53558

Intergovernmental Agreement
for an Adaptive Management Plan
for the Yahara Watershed

By:

March 21, 2016
Date of Execution

Town of Middleton
7555 W. Old Sauk Road
Verona, WI 53593

Attest: David Shaw, Clerk

Bill Kolar, Chair

Tim Roehl Supervisor Seat 1

Brent Renteria, Supervisor Seat 2

Paul Connell, Supervisor Seat 3

Gary Whitney, Supervisor Seat 4

By:

January 28, 2016
Date of Execution

TOWN OF WESTPORT
Municipality Name

x
(Authorized Representative Signature)

Thomas G. Wilson
(Authorized Representative Typed Name)

Attorney/Administrator/Clerk-Treasurer
(Authorized Representative Title)

Address:
Thomas G. Wilson,
Attorney/Administrator/Clerk-Treasurer
Town of Westport
Bernard J. Kennedy Administrative Offices
5387 Mary Lake Road
Waunakee, WI 53597

By:

2-23-16
Date of Execution

University of Wisconsin - Madison
Municipality Name

W. M. Elvey
(Authorized Representative Signature)

William M. Elvey, P.E., FMP
(Authorized Representative Typed Name)

Assoceate Vice Chancellor for
Facilities, Planning & Management
(Authorized Representative Title)

Address:

30 N. Mills St. – 4th Floor
Madison, WI 53715

By:

3/21/2016
Date of Execution

Village of Cottage Grove
Municipality Name

(Authorized Representative Signature)

Jennifer Rickel
(Authorized Representative Typed Name)

Village Trustee - acting signor for the Village of Cottage Grove
(Authorized Representative Title)

Address: 221 E. Cottage Grove
Cottage Grove, WI 53527

By:

3/1/2016
Date of Execution

Village of DeForest
Municipality Name

Judd Blau, Village President

LuAnn Leggett, Deputy Administrator/Village Clerk

Vote: 7-0 Date: 3.1.16

Address:

306 DeForest Street
DeForest, WI 53532

By:

2/9/2016
Date of Execution

Village of Maple Bluff
Municipality Name

(Authorized Representative Signature)

Timothy Krueger
(Authorized Representative Typed Name)

Village Administrator/Police Chief
(Authorized Representative Title)

Address: 18 Oxford Place
Madison, WI 53704

3-22-16
Date of Execution

By:
Village of McFarland
Municipality Name

Bradley Czebotar
(Authorized Representative Signature)

BRADLEY CZEBOTAR
(Authorized Representative Typed Name)

VILLAGE PRESIDENT
(Authorized Representative Title)

Address: PO Box 110
5915 Milwaukee St.
McFarland, WI 53558

By:

2/8/2016
Date of Execution

Village of Oregon
Municipality Name

Steven D Staton
(Authorized Representative Signature)

Steve Staton
(Authorized Representative Typed Name)

Village President
(Authorized Representative Title)

Address: 117 Spring Street
Oregon, WI 53575

608-835-3118

By:

2/22/2016
Date of Execution

Village of Shorewood Hills

(Authorized Representative Signature)

Mark L. Sundquist
(Authorized Representative Typed Name)

Village President
(Authorized Representative Title)

Address: 810 Shorewood Boulevard
Madison WI 53705

By:

2/22/2016
Date of Execution

Village of Waunakee
Municipality Name

(Authorized Representative Signature)

Chris Zellner
(Authorized Representative Typed Name)

Village President
(Authorized Representative Title)

Address: 500 W. Main St.
Waunakee WI 53597

2/5/2016
Date of Execution

By:

Village of Windsor
Municipality Name

Tina A. Butteris
(Authorized Representative Signature)

Tina A. Butteris
(Authorized Representative Typed Name)

Director of Finance
(Authorized Representative Title)

Address:
4084 Mueller Rd
DeForest, WI 53532

30 March 2016
Date of Execution

By:

Wisconsin Dept. of Natural Resources
~~Municipality~~ Name
Agency

Secretary
(Authorized Representative Signature)

CATHY STEPP
(Authorized Representative Typed Name)

SECRETARY
(Authorized Representative Title)

Address: 101 S Webster St.
Madison WI 53707

Exhibit A: Map of the Yahara Watershed

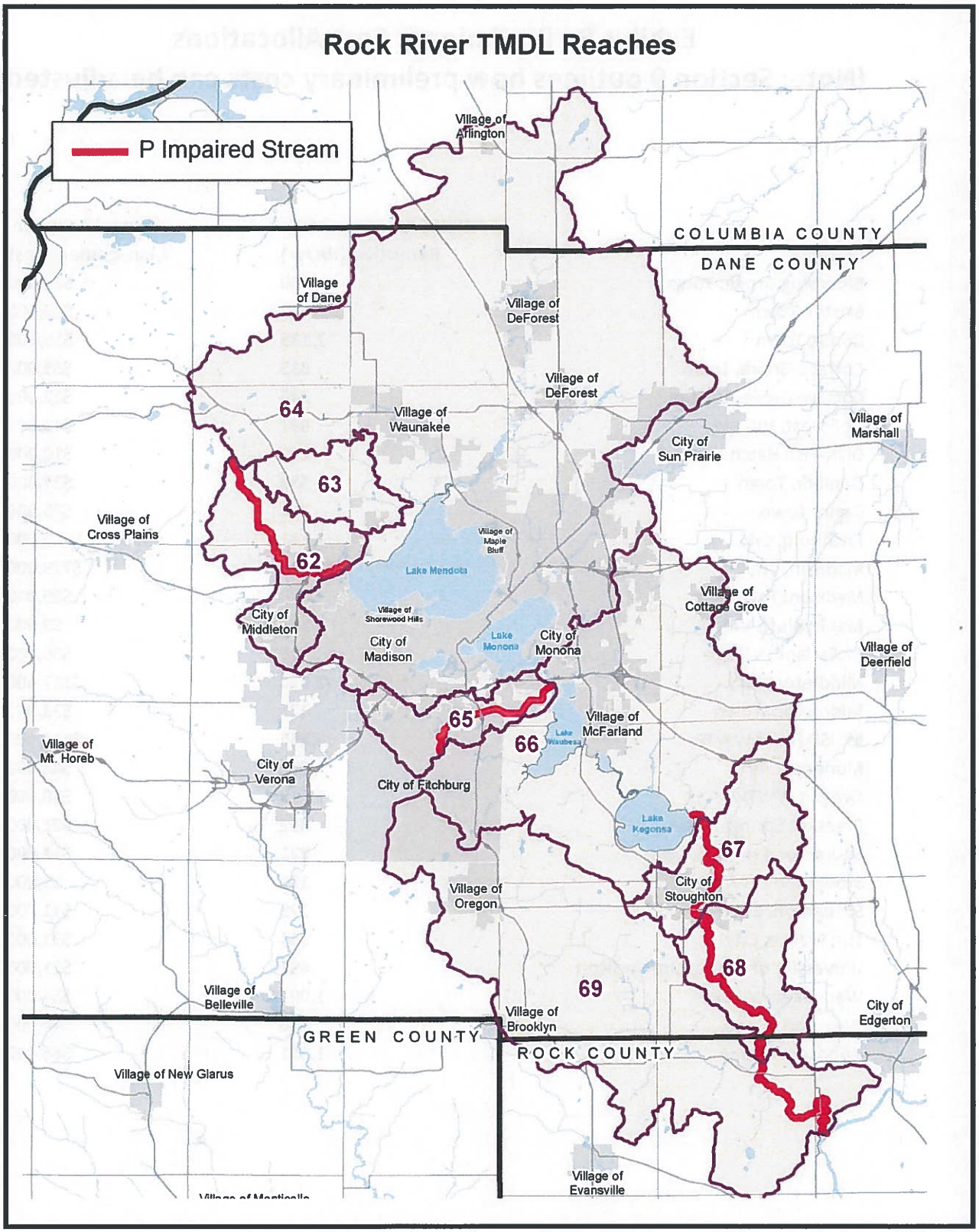

Rock River TMDL Reaches
P Impaired Stream
Village of Arlington
COLUMBIA COUNTY
DANE COUNTY
Village of Dane
Village of DeForest
Village of DeForest
64
Village of Waunakee
Village of Marshall
City of Sun Prairie
63
Village of Cross Plains
Village of Maple Bluff
62
Lake Mendota
Village of Cottage Grove
City of Middleton
Village of Shorewood Hills
City of Madison
Lake Monona
City of Monona
Village of Deerfield
65
Village of McFarland
66
Lake Waubesa
Village of Mt. Horeb
City of Verona
City of Fitchburg
Lake Kegonsa
67
City of Stoughton
Village of Oregon
68
69
Village of Belleville
Village of Brooklyn
City of Edgerton
GREEN COUNTY
ROCK COUNTY
Village of New Glarus
Village of Evansville

Exhibit B: Preliminary Cost Allocations
(Note: Section 9 outlines how preliminary costs can be adjusted)

Member	Required Phosphorus Reduction (lbs/yr)	Annual Adaptive Management Cost
Blooming Grove, Town	460	$23,000
Bristol, Town	412	$20,000
Burke, Town	1,139	$56,000
Cottage Grove, Town	635	$31,000
Cottage Grove, Village	240	$12,000
DeForest, Village	837	$41,000
DNR-Fish Hatch	209	$10,000
Dunkirk, Town	553	$27,000
Dunn, Town	703	$35,000
Fitchburg, City	2,141	$105,000
Madison, City	15,836	$779,000
Madison, Town	580	$29,000
Maple Bluff, Village	181	$9,000
McFarland, Village	736	$36,000
Middleton, City	2,370	$117,000
Middleton, Town	475	$23,000
MMSD (BFC) WWTP	10,444	$514,000
Monona, City	862	$42,000
Oregon WWTP	1,619	$80,000
Pleasant Springs, Town	432	$21,000
Shorewood Hills, Village	221	$11,000
Stoughton WWTP	109	$5,000
Stoughton, City	229	$11,000
Sun Prairie, City	634	$31,000
University of Wisconsin-Madison	431	$21,000
Waunakee, Village	1,091	$54,000
Westport, Town	940	$46,000
Windsor, Village	1,351	$66,000

Attachment 5

TABLE 3.02-6b CITY OF STOUGHTON OUTFALL SCREENING SCHEDULE

Outfall ID	Location	Contributing Subbasin	Drainage Area	Predominant Land Use	Priority[2]	Reason for Priority	Watershed	Major/Minor[1]	Size (in)	Recommended	Years Screened	Comments from Fall	Comments from Fall	Future Screening Schedule						
														2016	2017	2018	2019	2020	2021	2022
1	South of bridge at Roby Road	67-03, 67-05, 67-06, 67-07, 67-08	< 50	Residential	Y	Institutional	Yahara River	Minor	18"	Every year				x	x	x	x	x	x	x
2	909 N Madison Street	67-04	> 50	Residential	Y	Institutional	Yahara River	Major	60"	Every year				x	x	x	x	x	x	x
3	North Page Street (NE of Bridge)	67-04	< 50	Industrial	Y	Gas station	Yahara River	Minor		Every year				x	x	x	x	x	x	x
4	305 Industrial Circle	67-30	< 50	Industrial	Y	> 2 acres of Industrial	Yahara River	Major	36"	Every year				x	x	x	x	x	x	x
5	Commerce Road and Industrial Circle	67-32	< 50	Industrial	Y	Industrial	Yahara River	Major	24"	Every year				x	x	x	x	x	x	x
6	Behind West Street Apartments - West Street	67-04	> 50	Residential/Commercial	Y	Institutional	Yahara River	Major	36"?	Every year				x	x	x	x	x	x	x
7	Zalk Joseph - Business Park Circle	67-35	< 50	Industrial/Commercial	Y	> 2 acres of Industrial	Yahara River	Major	36"	Every year				x	x	x	x	x	x	x
7	Business Park Circle	67-39, 67-40, 67-41	< 50	Industrial	Y	Industrial	Yahara River	Major	18"	Every year				x	x	x	x	x	x	x
9	North Division Street	67-49, 67-52	< 50	Residential, Institutional	Y	Institutional	Yahara River	Major	36"	Every year	2012			x	x	x	x	x	x	x
10	North Division Street	67-50	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	42"	Every year	2012	No flow	No flow	x	x	x	x	x	x	x
11	W Washington Street and Water Street	67-51	< 50	Commercial, Insitutional	Y	Commercial, Institutional	Yahara River	Minor	12"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
12	East end of West Washington Street	67-22	> 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	30"	Every year				x	x	x	x	x	x	x
13	220 S. Water Street	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
14	Under Main Street Bridge (NW)	67-65	< 50	Commercial	Y	Commercial (Gas Station)	Yahara River	Minor	24"	Every year	2011			x	x	x	x	x	x	x
15	Under Main Street Bridge (NE)	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	18"	Every year	2011			x	x	x	x	x	x	x
16	Under Main Street Bridge (SE)	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
17	Under Main Street Bridge (SW)	67-65	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	24"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
18	405 Main Page Ct.	67-64	> 50	Residential, Commercial	Y	Insitutional	Yahara River	Major	72"x48" box	Every year				x	x	x	x	x	x	x
19	South Water Street and West Jefferson Street (North Pipe)	67-54	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
20	South Water Street and West Jefferson Street (South Pipe)	67-54	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
21	Stoughton Street Department	67-55	< 50	Industrial	Y	> 2 acres of Industrial	Yahara River	Minor	12"?	Every year	2011			x	x	x	x	x	x	x
22	South East of Elven Sted Dry Basin	68-05, 68-06, 68-13.1	> 50	Residential, Industrial, Inst	Y	Institutional, Industrial	Yahara River	Major	48"	Every year				x	x	x	x	x	x	x
23	Dunkirk Avenue	68-09, 68-11, 68-14, 68-12	> 50	Residential, Industrial	Y	Industrial	Yahara River	Minor		Every year				x	x	x	x	x	x	x
24	Veterans Road at Municipal Boundary (Both sides of road)	68-18	< 50	Industrial	Y	Industrial	Yahara River	Major	CG	Every year				x	x	x	x	x	x	x
25	West Milwaukee Street	67-60	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	36"	Every year				x	x	x	x	x	x	x
26	1069 Taylor Lane	68-27	< 50	Institutional	Y	Institutional	Yahara River	Minor	Swale	Every year				x	x	x	x	x	x	x
27	South end of King Street	67-67	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	54"	Every year				x	x	x	x	x	x	x
28	Paradise Pond (South); Jackson Street	67-PP10, 67-PP11, 67-PP16, 67-PP17	> 50	Commercial, Industrial	Y	Institutional, Commercial	Yahara River	Major	42"	Every year				x	x	x	x	x	x	x
29	Across from 2008 Roby Road	67-PP06	< 50	Residential	Y	Institutional	Yahara River	Minor	48"	Every year				x	x	x	x	x	x	x
30	East of 318 Greig Trail	67-01	< 50	Residential	N		Yahara River	Major	42"	Every five years				x					x	
31	Dam at South Fourth Street	67-58	> 50	Residential, Cemetery	N		Yahara River	Major	48"?	Every five years	2011, 2012, 2013			x					x	

Notes:

1 - Major outfalls are defined as outfalls that are 36 inches in diameter (or equivalent cross-sectional area) or larger and are associated with a drainage area of 50 acres or larger. Outfalls with an inside diameter of 12 inches or more are also classified as major outfalls if they receive stormwater runoff from land zoned for industrial activity with 2 or more acres of industrial activity.

2 - Priority outfalls can be major or minor outfalls that have a higher potential for illicit discharge. Contributing drainage area characteristics or land uses that should be considered when selecting priority outfalls include:

History of known or suspected illicit discharges reported within the last five years.

Sections of storm sewer and/or sanitary sewer infrastructure that have exceeded or are approaching their design/useful life.

Contributing drainage areas with 80 or more percent impervious.

Business or industrial parks with frequent changes in property ownership or operations.

Schools or other institutional facilities.

Commercial or industrial operations that generate wastewater or wash water including food processing, metal plating or machining shopes, auto and scrap recyclers, commercial car washes and chemical manufacturers or users.

TABLE 3.02-6a CITY OF STOUGHTON OUTFALLS

Outfall ID	Location	Contributing Subbasin	Drainage Area	Predominant Land Use	Priority[2]	Reason for Priority	Watershed	Major/Minor[1]	Size (in)	Recommended	Years Screened	Comments from Fall	Comments from Fall	Future Screening Schedule						
														2016	2017	2018	2019	2020	2021	2022
1	South of bridge at Roby Road	67-03, 67-05, 67-06, 67-07, 67-08	< 50	Residential	Y	Institutional	Yahara River	Minor	18"	Every year				x	x	x	x	x	x	x
2	909 N Madison Street	67-04	> 50	Residential	Y	Institutional	Yahara River	Major	60"	Every year				x	x	x	x	x	x	x
3	North Page Street (NE of Bridge)	67-04	< 50	Industrial	Y	Gas station	Yahara River	Minor		Every year				x	x	x	x	x	x	x
4	305 Industrial Circle	67-30	< 50	Industrial	Y	> 2 acres of Industrial	Yahara River	Major	36"	Every year				x	x	x	x	x	x	x
5	Commerce Road and Industrial Circle	67-32	< 50	Industrial	Y	Industrial	Yahara River	Major	24"	Every year				x	x	x	x	x	x	x
6	Behind West Street Apartments - West Street	67-04	> 50	Residential/Commercial	Y	Institutional	Yahara River	Major	36"?	Every year				x	x	x	x	x	x	x
7	Zalk Joseph - Business Park Circle	67-35	< 50	Industrial/Commercial	Y	> 2 acres of Industrial	Yahara River	Major	36"	Every year				x	x	x	x	x	x	x
7	Business Park Circle	67-39, 67-40, 67-41	< 50	Industrial	Y	Industrial	Yahara River	Major	18"	Every year				x	x	x	x	x	x	x
9	North Division Street	67-49, 67-52	< 50	Residential, Institutional	Y	Institutional	Yahara River	Major	36"	Every year	2012			x	x	x	x	x	x	x
10	North Division Street	67-50	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	42"	Every year	2012	No flow	No flow	x	x	x	x	x	x	x
11	W Washington Street and Water Street	67-51	< 50	Commercial, Insitutional	Y	Commercial, Institutional	Yahara River	Minor	12"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
12	East end of West Washington Street	67-22	> 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	30"	Every year				x	x	x	x	x	x	x
13	220 S. Water Street	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
14	Under Main Street Bridge (NW)	67-65	< 50	Commercial	Y	Commercial (Gas Station)	Yahara River	Minor	24"	Every year	2011			x	x	x	x	x	x	x
15	Under Main Street Bridge (NE)	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	18"	Every year	2011			x	x	x	x	x	x	x
16	Under Main Street Bridge (SE)	67-51	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
17	Under Main Street Bridge (SW)	67-65	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	24"	Every year	2011	No flow	No flow	x	x	x	x	x	x	x
18	405 Main Page Ct.	67-64	> 50	Residential, Commercial	Y	Insitutional	Yahara River	Major	72"x48" box	Every year				x	x	x	x	x	x	x
19	South Water Street and West Jefferson Street (North Pipe)	67-54	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
20	South Water Street and West Jefferson Street (South Pipe)	67-54	< 50	Commercial	Y	> 80% Impervious	Yahara River	Minor	12"	Every year	2011			x	x	x	x	x	x	x
21	Stoughton Street Department	67-55	< 50	Industrial	Y	> 2 acres of Industrial	Yahara River	Minor	12"?	Every year	2011			x	x	x	x	x	x	x
22	South East of Elven Sted Dry Basin	68-05, 68-06, 68-13.1	> 50	Residential, Industrial, Inst	Y	Institutional, Industrial	Yahara River	Major	48"	Every year				x	x	x	x	x	x	x
23	Dunkirk Avenue	68-09, 68-11, 68-14, 68-12	> 50	Residential, Industrial	Y	Industrial	Yahara River	Minor		Every year				x	x	x	x	x	x	x
24	Veterans Road at Municipal Boundary (Both sides of road)	68-18	< 50	Industrial	Y	Industrial	Yahara River	Major	CG	Every year				x	x	x	x	x	x	x
25	West Milwaukee Street	67-60	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	36"	Every year				x	x	x	x	x	x	x
26	1069 Taylor Lane	68-27	< 50	Institutional	Y	Institutional	Yahara River	Minor	Swale	Every year				x	x	x	x	x	x	x
27	South end of King Street	67-67	< 50	Residential, Institutional	Y	Institutional	Yahara River	Minor	54"	Every year				x	x	x	x	x	x	x
28	Paradise Pond (South); Jackson Street	67-PP10, 67-PP11, 67-PP16, 67-PP17	> 50	Commercial, Industrial	Y	Institutional, Commercial	Yahara River	Major	42"	Every year				x	x	x	x	x	x	x
29	Across from 2008 Roby Road	67-PP06	< 50	Residential	Y	Institutional	Yahara River	Minor	48"	Every year				x	x	x	x	x	x	x
30	East of 318 Greig Trail	67-01	< 50	Residential	N		Yahara River	Major	42"	Every five years				x					x	
31	Dam at South Fourth Street	67-58	> 50	Residential, Cemetery	N		Yahara River	Major	48"?	Every five years	2011, 2012, 2013			x					x	
32	Property line between Stoughton Street Deptartment and Milifab	68-04	< 50	Industrial	N		Yahara River	Minor	8"	Screening not necessary	2011									
33	East side of South Fourth Street at River	67-58	< 50	Park	N		Yahara River	Minor	10"	Screening not necessary	2011									
34	501 Nygaard Street	67-PP07	< 50	Residential, Commercial	N		Yahara River	Minor	42"	Screening not necessary										
35	Behind 1849 Chapin Ct.	67-PP06	< 50	Residential	N		Yahara River	Minor	36"	Screening not necessary										
36	Behind 737 Nottingham Road	67-PP07	< 50	Residential	N		Yahara River	Minor	36"	Screening not necessary										
37	West Milwaukee Street	67-58	< 50	Residential	N		Yahara River	Minor	48"	Screening not necessary										
38	North of Forton Street Bridge	67-50	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary	2011, 2012, 2013									
39	North of Forton Street Bridge	67-50	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary	2011, 2012, 2013									
40	South of Forton Street Bridge	67-50	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary	2011, 2012, 2013									
41	Under Forton Street Bridge	67-24	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary	2011, 2012, 2013	No flow	No flow							
42	2219 Lincoln Avenue	66-01	< 50	Residential	N		Yahara River	Minor	21"	Screening not necessary										
43	North Page Street and Marie Drive	67-01	< 50	Residential	N		Yahara River	Minor	24"	Screening not necessary										
44	West of 1933 Johnson Street	67-01	< 50	Residential	N		Yahara River	Minor	24"	Screening not necessary										
45	Bjoin Park	67-26	< 50	Residential	N		Yahara River	Minor	24"	Screening not necessary										
46	Nordic Ridge Outlot 3 Pond	67-70	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
47	East end of Brickson Street	67-23	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary										
48	Buckingham Road	67-PP07	< 50	Residential	N		Yahara River	Minor	24"	Screening not necessary										
49	Behind 901 Virgin Lake Drive	67-PP06	< 50	Residential	N		Yahara River	Minor	18"	Screening not necessary										
50	Stone Crest Road - Stone Crest Dry Pond (NE)	68-20	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
51	Stone Crest Road - Stone Crest Dry Pond (SW)	68-20	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
52	Stone Crest Road - Stone Crest Dry Pond (NW)	68-20	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
53	Across from 1108 South Fourth Street	68-02	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary										
54	Riverside Drive	67-58	< 50	Cemetery	N		Yahara River	Minor	12"	Screening not necessary										
55	East End of West Milwaukee Street	67-66	< 50	Residential	N		Yahara River	Minor	18"	Screening not necessary										
56	Behind 1117 West Milwaukee Street	67-66	< 50	Residential	N		Yahara River	Minor	18"	Screening not necessary										
57	West side of South Fourth Street at River	68-02	< 50	Park	N		Yahara River	Minor	12"	Screening not necessary	2011									
58	Dunkirk Avenue	68-10	< 50	Residential	N		Yahara River	Minor	12"	Screening not necessary										
59	849 US HWY 51	68-26	< 50	Residential, Agriculture	N		Yahara River	Minor	CG	Screening not necessary										
60	1308 South Fourth Street	68-01	< 50	Residential	N		Yahara River	Minor	Swale	Screening not necessary										
61	Williams Drive	67-81	< 50	Agriculture	N		Yahara River	Minor	Swale	Screening not necessary										
62	Virgin Lake Pond (NE)	67-PP03	< 50	Residential	N		Yahara River	Minor	15"	Screening not necessary										
63	Roby Road and US HWY 51	67-PP06	< 50	Commercial, Residential	N		Yahara River	Minor		Screening not necessary										
64	Behind 909 N Madison Street	67-04	< 50	Commercial	N		Yahara River	Minor	15"	Screening not necessary										
65	South Fourth Street	68-02	< 50	Residential	N		Yahara River	Minor	18"	Screening not necessary										
66	Behind 933 Virgin Lake Drive	67-PP06	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
67	Westview Ridge Park Pond (NW)	67-69	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
68	Westview Ridge Park Pond (SW)	67-69	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
69	North Page Street (NW of Bridge)	67-04	< 50	Industrial	N		Yahara River	Minor		Screening not necessary										
70	North Page Street (SE of Bridge)	67-04	< 50	Industrail	N		Yahara River	Minor		Screening not necessary										
71	North Page Street (SW of Bridge)	67-04	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
72	Virgin Lake Drive	67-PP05	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
73	Eastwood Estates Pond	68-23	< 50	Residential	N		Yahara River	Minor	36"	Screening not necessary										
74	Stone Crest Dry Pond	68-21	< 50	Residential	N		Yahara River	Minor		Screening not necessary										
75	Amundson Parkway	67-57	< 50	Residential	N		Yahara River	Minor	Curb and Gutter	Screening not necessary										
76	Milifab Property	68-04	< 50	Industrial	N		Yahara River	Minor	12"?	Screening not necessary	2011, 2012, 2013									
77	Milifab Property	68-04	< 50	Industrial	N		Yahara River	Minor	12"?	Screening not necessary	2011, 2012, 2013	Clear liquid flowing								
78	Milifab Property	68-04	< 50	Industrial	N		Yahara River	Minor	8"	Screening not necessary	2011, 2012, 2013									
79	Milifab Property	68-04	< 50	Industrial	N		Yahara River	Minor	8"	Screening not necessary	2011, 2012, 2013	Clear liquid flowing	Clear liquid flowing							
80	Milifab Property	68-04	< 50	Industrial	N		Yahara River	Minor	8"	Screening not necessary	2011, 2012, 2013									
81	Senior Center, 248 W. Main Street	67-88	< 50	Commercial	N		Yahara River	Minor	8"	Screening not necessary	2011, 2012, 2013									

Notes:

1 - Major outfalls are defined as outfalls that are 36 inches in diameter (or equivalent cross-sectional area) or larger and are associated with a drainage area of 50 acres or larger. Outfalls with an inside diameter of 12 inches or more are also classified as major outfalls if they receive stormwater runoff from land zoned for industrial activity with 2 or more acres of industrial activity.

2 - Priority outfalls can be major or minor outfalls that have a higher potential for illicit discharge. Contributing drainage area characteristics or land uses that should be considered when selecting priority outfalls include:

History of known or suspected illicit discharges reported within the last five years.

Sections of storm sewer and/or sanitary sewer infrastructure that have exceeded or are approaching their design/useful life.

Contributing drainage areas with 80 or more percent impervious.

Business or industrial parks with frequent changes in property ownership or operations.

Schools or other institutional facilities.

Commercial or industrial operations that generate wastewater or wash water including food processing, metal plating or machining shopes, auto and scrap recyclers, commercial car washes and chemical manufacturers or users.

Attachment 4

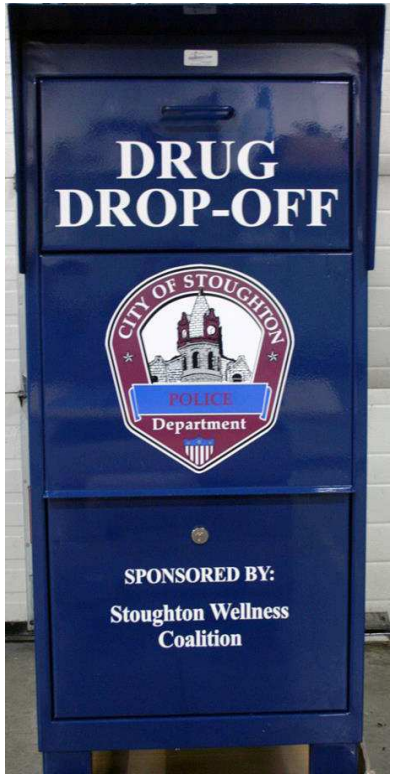
Get Unwanted Meds Out...
Of your homes
Of our waters & landfills
Of the reach of children!!

Keeping unused, unwanted and expired prescription and over-the-counter drugs in your home poses a risk to you, your family and your community.

To provide you with an anonymous, easy, secure and responsible way to properly dispose of these drugs, the Stoughton Wellness Coalition has established a permanent pharmaceutical drug drop-off box for area residents.

Brought to you by:

Stoughton Wellness Coalition



The drop off location is outside
at the Stoughton Police Department.

Stoughton Police Department

321 South Fourth Street
Stoughton, WI 53589

(608) 873-3374

DRUG DROP-OFF

Stoughton Police Department

Stoughton Wellness Coalition

The Stoughton Wellness Coalition was formed in 2006, through collaborative efforts of Stoughton Hospital, the Stoughton School District and the City of Stoughton. The coalition promotes a collaborative approach to personal and community wellness through health promotion, educational programming and service to the Stoughton Area Community.

Drop-Off Procedures

Please follow these instructions for free disposal of your unwanted medications:

1. Gather all unwanted medications from where you have them stored.
2. If possible, **leave all medications in their original containers.** You may black out any personal information that is on the bottle.
3. Bring the medications to the secured drug collection box.
4. Questions about dropping off medications can be directed to the Stoughton Police Department. Please call: (608) 873-3374

Did You Know:

64% of kids age 12 to 17 who have abused pain relievers say they got them from their friends, relatives or people they know, without their knowledge.

The drug drop-box is anonymous and available 24 hours per day, 7 days a week.

Accepted Substances

Prescription medications and medication samples

Over-the-counter medications

Inhalers

No Sharps:

No Syringes
No Needles
No Lancets

SAFE STORAGE AND TIPS

Always store medications in the original containers.

Never keep medications past their expiration date.

Always store separately medications for family members.

Never guess on how much medication to take.

Read the label before you open the bottle to ensure the right dosage is taken.

Never let young children take medicine by themselves.

Don't store medications in areas that are hot and humid, such as the bathroom medicine cabinet.

Lock your medicine cabinet. A cabinet or a drawer with a lock on it would also work.

Do talk with your children about the dangers of drug abuse!

STREET TALKS

This will be my last article that I will be writing for the Tower Times, as after 37 years of employment with the City of Stoughton, I am retiring in May.

I have had a great time working with the residents of the City of Stoughton and hope I have made a positive difference in your life with the customer service we provided you with.

Some of this information has been mentioned before, but we feel it is worth mentioning it again as it provides important instructions and dates for services provided by the Street Department.

We want your feedback, is this information beneficial? What else will you like to see published in Street Talks? Lets us know by calling 873-6303 or email at kmanthe@ci.stoughton.wi.us

****PLEASE READ – IMPORTANT INFORMATION****

- **To report a pothole, please call the Street Department 873-6303**
- **Yardwaste Site opened for the season on Saturday April 2, 2016**

EMERALD ASH BORER CONFIRMED IN CITY OF STOUGHTON

Emerald Ash Borer (EAB) was officially confirmed in the City of Stoughton on March 8, 2016. What does this mean for the city? It means that the city will be very busy removing Ash trees from city owned properties. The City of Stoughton has about 300 Ash trees in the parkrow that will be removed by contractors. City street crews will focus on maintaining the rest of the 6,000 plus trees in the urban forestry and the other daily responsibilities (street sweeping, stormwater maintenance, street maintenance, leaf collection, etc). Trees that are removed will also have stumped removed and new tree planted.

For more information on tree removal or identifying EAB for your own trees, please contact City Arborist Randy Nelson at 873-6303.

Yardwaste Site: The site is located at 1051 Collins Road (off County Hwy A) in the Township of Dunkirk. The site accepts yardwaste (grass clippings, leaves, garden waste, and sod), shrubbery, and brush. The opening date is Saturday April 2nd and the Yardwaste site will remain open until Tuesday November 22nd (weather permitting). The site is open **Tuesdays and Thursdays from 1:00 pm to 7:00 pm and Saturdays from 9:00 am to 5:00 pm**. A Permit (window decal) is required for the site and the cost is $20 dollars and is good for the entire season. Permits can be purchased at the Street Department during normal business hours at 515 S. Fourth Street or at the yardwaste site during hours of operations.

Curbside Brush Collection – Curbside brush collection will be collected **ONLY** during the **first week** of the following months; **April, May, October and November**. Brush must be piled in parkrow and away from any obstacles or parked vehicles. Any brush placed in street will not be collected and is subject to violation. **Please have brush placed in the parkrow on the first Monday of the month for collection by 6:30 am**

**** 2016 BRUSH COLLECTION SCHEDULE ****

Monday April 4, 2016
Monday May 2, 2016
Monday October 3, 2016
Monday November 7, 2016

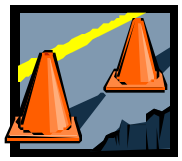
Reminder: Once crews have gone down your street, they won't be back until next scheduled brush collection.

Refuse & Recycling Cart Placement: Still have a few residents that don't follow guidelines for proper cart placement. **John's Disposal Service Inc. and the City of Stoughton request and require that carts not be placed in the street, but instead place refuse carts on the terrace or your driveway approach**. Please place cart(s) a minimum of 2 feet apart at the end of your driveway or terrace area. Please do not set carts to close to mailboxes, trees, and light poles. Keeping the carts out of the street also allows street crews to effectively sweep streets, vacuum leaves and plow snow during the fall and winter season.

Spring Leaf Collection: The Street Department provides a spring leaf collection for those leaves that fell late or for those who like to rake in the spring. Depending on the weather (when all the snow melts and we can see our lawns again) Spring Leaf Collection will occur for two weeks **(Tentative dates are the weeks of April 11th and 18th).** It is important to make sure leaves are placed in the terrace (area between curb and sidewalk) for collection. It is a violation to rake leaves into the gutter/street. Leaves raked into the street often wash into the stormwater system and pollute our lakes and rivers. Our leaf vacuums need to be close to the curb line of the street and it really helps if you can keep that area free of parked vehicles and trailers.

Grass Clippings: When mowing your lawn, make sure to keep the grass clippings on your property and do not blow or sweep clippings from the driveway or sidewalk into the street. There is a city ordinance prohibiting yard waste in the street which will be strictly enforced.

Sec 50-5. Offense against public peace, order and other public interests (h) Littering Prohibited (1) No person shall throw any glass, garbage, rubbish, waste, slop, dirty water, brush, yard waste, dirt, rocky materials or noxious liquid or other litter or unwholesome substance upon the streets, alleys, highways, public parks, or other property of the city of upon any private property not owned by him or upon the surface of any body of water within the city. This violation is subject to fines from $50.00 to $1,000.00



Street Construction Schedule: The city has scheduled major street reconstruction on the following streets this year; **Van Buren Street** (Main St to Wilson St), **Wilson Street** (N. Page St to N Van Buren St), **Clyde Street** (N. Madison St to N Van Buren St).

Street pulverization projects are scheduled for **Industrial Circle** (Ortega Dr to Commerce Rd)), **Kings Lynn Road** (Jackson St to Felland), **King St** (W. South St to Kvamme), **Brewer Court** (Eisenhower to Dead-end).

The city has also scheduled yearly preventive maintenance of crack sealing and boiler chip slag sealer. Streets to be determined, but residents affected by this work will be notified by door hanger/letter of scheduled work.

Portable Basketball Hoops are Not Permitted in Street or City Right-of-Way: We have noticed many portable basketball hoops in the street or city right-of-way. Per City Ordinance, they are not allowed to be placed in street or city right-of-way. We have sent letters out to homeowners to notify them of this ordinance and violation. We may have missed a few and would appreciate it if you read this, that you remove it from the street or city right-of-way.

The basketball hoops interfere with garbage collection, street sweeping, leaf collection and snow removal operations.

E-Waste Drop-off: The E-waste collection has been a very successful program, thanks to the residents for bringing in their E-waste items to be properly disposed. **This service is available to City of Stoughton residents only.** City residents need to bring their e-waste items to Street Department during normal business hours to be properly disposed. **City residents need to check in first at the Street Department office and show ID to verify city residency and make payment if they are disposing TV's or Computer Monitors.** If you have any questions, please contact us at (608) 873-6303.

There is a $10 dollar fee for TV's and Computer Monitors. All other items are free disposal**.**

List of Acceptable Items

- Televisions
- Desktop Computers
- Laptops
- Printers, scanners, copiers
- Fax machines
- Video display devices, monitors
- Keyboards, mice, hard drives, flash drives, external modems & other computer devices

- DVD, VCR, DVR & Video

NOTE: With computers make sure to remove all personal information or take out the hard drive and destroy it.

NOTE: No Microwaves- they can be placed out at the end of the month for bulky item collection.

Encumbrance Permits: An encumbrance permit is required if you are going to leave a dumpster, POD, landscape materials, un-licensed trailers, etc. in the street or city right-of-way for more than 2 hours. Permits can be obtained at the Street Department office or online at www.ci.stoughton.wi.us and click on street department tab and then permits link. Cost is $25 dollars and the permit is good for 30 days, when it can be renewed for another $25 dollars.

Mailbox Placement: To reduce the chances that your mailbox may be hit by a snow plow during winter, you still have time to move your mailbox and follow US Postal regulations and place your mailbox 40-42 inches above the road surface and back 6 inches from the curb with the door down. Following these guidelines will increase productivity by snow plow operators.

These articles are published in Tower Times issues and placed on the city Street Department web site at www.ci.stoughton.wi.us with time related information. While on the web site, check out Frequently Asked Questions.

Feel free to call the Street Department office with any questions; I hope you find some helpful information.

Thanks for all memories ☺

Sincerely,

Karl Manthe

Street Superintendent Karl Manthe

608-873-6303

kmanthe@ci.stoughton.wi.us

TOP TEN REASONS TO INSTALL A RAIN GARDEN:

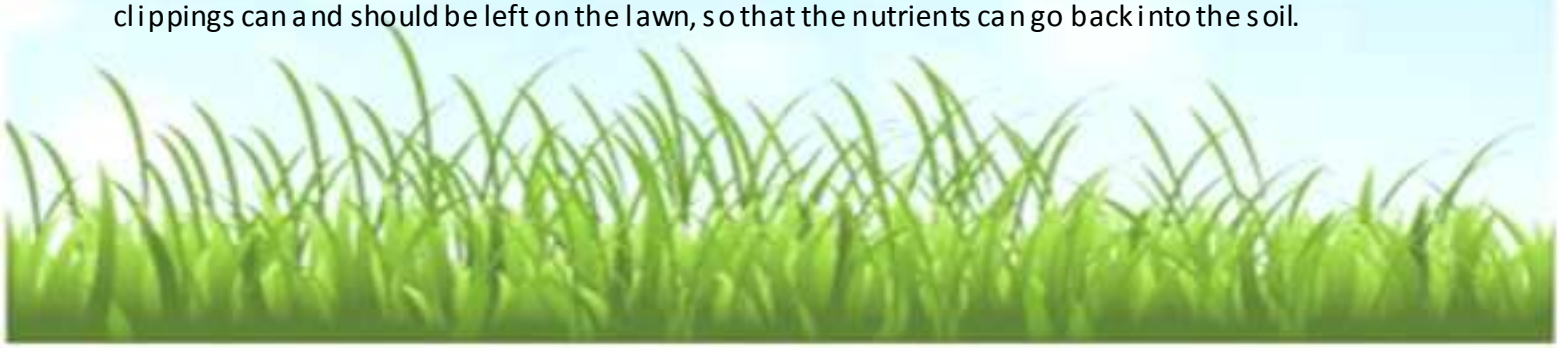
10. It provides habitat and food for birds and beneficial to insects
9. Beautiful blooms to enjoy in spring, summer and fall
8. Helps area lakes, streams and fish by reducing storm water pollution
7. Helps recharge groundwater
6. Reduces the amount of turf you have to mow, water, fertilize, and maintain; increases your free time!
5. Helps minimize local flooding
4. Is a natural outdoor classroom for kids and adults alike
3. No need for fertilizers and pesticides, making it a welcome area for all living creatures
2. Retains storm water before it leaves your yard, keeping any pollutants in the garden to be absorbed into the soil
1. So you're not the only one on the block without one!

LAWN CARE TIPS

- If there are areas of your yard you don't physically go to, consider landscaping that area with native plants instead of turf.

- If you have natural or "wild" areas on your property, think twice before deciding to convert them to turf or traditional landscaped areas. Natural areas usually require less time and money to maintain than formal landscapes, and are usually the best at preventing water pollution from runoff. This is especially important for waterfront property.
- Adjust your mower to a height of at least three inches or more.
- Mow frequently enough that you can leave grass clippings on the lawn and don't have to rake.
- Mulch bare soil as soon as possible to minimize erosion. Disturb no more ground than necessary for a project, while preserving existing vegetation.

- Use lawn and garden chemicals carefully and sparingly. Pesticides, including weed killers, should be considered a last resort – other controls come first.
- Help keep our lakes and rivers clean by sweeping or blowing grass clippings back onto your yard. Grass clippings can and should be left on the lawn, so that the nutrients can go back into the soil.



Public Works

YOU MAY NOT KNOW WE WERE THERE,
BUT YOU WOULD KNOW IF WE WEREN'T.

Fortunate. This is the word I would use to describe myself as the new Director of Public Works for the City of Stoughton. I am fortunate that I inherited such a knowledgeable, hard-working staff that has accepted me as one of their own. Together, we will continue to deliver a high level of service to the citizens of Stoughton. Fortunate that other department heads and city staff have been extremely helpful through this transition period. I will continue to collaborate with them to work on ways we can better serve the community. Fortunate that I found myself in a community that cares about its infrastructure and the quality of life we work so hard to preserve. I will continue to partner with citizens and civic groups to better understand the needs of the community. Fortunate to be in Viking country.

Respectfully,

Brett Hebert
Director of Public Works

Please take a moment to read about some of the programs and services we have to offer.

****** Fall BRUSH COLLECTION SCHEDULE ******

Monday October 3rd, 2016
Monday November 7th, 2016

Brush must be placed in the park row and away from any obstacles. Any brush placed in the street will not be collected and is subject to violation. **Please have brush placed in the park row on the first Monday of the month for collection by 6:30 am**

Reminder: Once crews have completed your street, they won't be back until the next scheduled brush collection.

******Fall Leaf Collection Schedule******

Weekly from **October 17th** to **November 22nd** (Depending on weather)

The Street Department provides fall curbside leaf collection for city residents. Leaf collection is subject to change depending on the weather conditions and when leaves start to fall.

It is important to make sure leaves are placed in the park row (area between curb and sidewalk) for collection. It is a violation to rake leaves into the gutter/street. Leaves raked into the street often wash into the stormwater system and pollute our lakes and rivers. Our leaf vacuums need to be close to the curb line of the street and it really helps if you can keep that area free of parked vehicles and trailers.

Grass Clippings: When mowing your lawn, make sure to keep the grass clippings on your property and do not blow or sweep clippings from the driveway or sidewalk into the street. There is a city ordinance prohibiting yard waste in the street which will be strictly enforced.

Sec 50-5. Offense against public peace, order and other public interests (h) Littering Prohibited (1) No person shall throw any glass, garbage, rubbish, waste, slop, dirty water, brush, yard waste, dirt, rocky materials or noxious liquid or other litter or unwholesome substance upon the streets, alleys, highways, public parks, or other property of the city of upon any private property not owned by him or upon the surface of any body of water within the city. **This violation is subject to fines from $50.00 to $1,000.00.**

Yardwaste Site: The site is located at 1051 Collins Road (off County Hwy A) in the Township of Dunkirk. The site accepts yardwaste (grass clippings, leaves, garden waste, and sod), shrubbery, and brush. The yardwaste site will remain open until Tuesday November 24th (weather permitting). The site is open **Tuesdays and Thursdays from 1:00 pm to 7:00 pm and Saturdays from 9:00 am to 5:00 pm**. A Permit (window decal) is required for the site and the cost is $20 dollars and is good for the entire season. Permits can be purchased at the Street Department during normal business hours at 515 S. Fourth Street or at the yardwaste site during hours of operations. **Note: yardwaste site can close at anytime during the day for inclement weather** (thunderstorms, tornado warnings, etc). **Safety for our employees is very important and a priority for us.**

Street Construction Schedule: The city has scheduled major street reconstruction on the following streets this year;

Street Reconstruction

Van Buren (Main to Wilson
Clyde (Entire Length)
Wilson (Van Buren to Page)

Pulverization

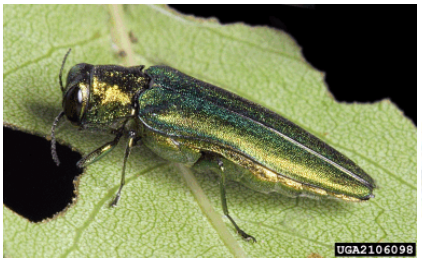
Kings Lynn (Jackson to dead end)
Chapin (Sundt to Devonshire)
Brewer Ct (Entire Length)
Industrial Circle (Ortega to Commercial)
King (W. South to just shy of Kvamme)

Parkrow Trees & Planting Permits: It is important to plant the proper tree in the parkrow to assure a long-lived and healthy tree. Also the size of the tree is important to insure that it will not have to be trimmed due to power lines. Permits are required to plant or remove parkrow trees. There is no charge for these permits; however we need this information in order to keep our tree Inventory up to date. These permits can be obtained at the street department or online at www.ci.stoughton.wi.us/streets&parks/TreeCommission

List of tree specifications are also available or you may view these on the web site.

Remember to call Diggers Locate at 811 or 1-800-242-8511 or email them at **diggershotline.com** at least 3 days prior to planting

Emerald Ash Borer (EAB) Awareness: You can assist the City by looking for signs of EAB on your Ash trees. For helpful information you can go to the Wisconsin Emerald Ash Borer web site at; http://datcpservices.wisconsin.gov/eab



Permits

Encumbrance Permits: An encumbrance permit is required if you are going to leave a dumpster or POD in the street or city right-of-way for more than 2 hours. Permits can be obtained at the Street Department office or online at www.ci.stoughton.wi.us and click on street department tab and then permits link. Cost is $25 dollars and the permit is good for 30 days, when it can be renewed for another $25 dollars.

Street Opening Permits: A street opening permit is required if you or a contractor works within the city right-a-way. Permits can be obtained at the Street Department office or online at www.ci.stoughton.wi.us and click on street department tab and then permits link. Cost range from $50 dollars to $175 dollars.

Street Closing Permits: Public streets may be closed (block parties, running events) for the use of private citizens and non-profit organizations provided said individual organization applies for a Street Closing permit and the completed application is submitted in time frame needed to Street Superintendent Karl Manthe.

E-Waste Drop-off: This service is **available only to City of Stoughton residents for $10 per tv or computer monitor.** All other items listed below are accepted free of charge. City residents can bring their e-waste items to Street Department during normal business hours to be properly disposed of. **City residents will need to check in at the Street Department office and show ID to verify city residency.** If you have any questions, please contact us at (608) 873-6303.

List of Acceptable Items

- Televisions ($10 per item)
- Computer Monitor ($10 per item)
- Computer Tower
- Laptops
- Printers, scanners, copiers
- Fax machines
- Video display devices
- Keyboards, mice, hard drives, flash drives, external modems & other computer devices
- DVD, VCR, DVR & Video

NOTE: With computers make sure to remove all personal information or take out the hard drive and destroy it.

NOTE: No Microwaves, dehumidifiers or household appliances- they can be placed out at the end of the month for bulky item trash collection.

CLEAN SWEEP INFORMATION

The Street Department does not collect clean sweep items at our facility, but the following information will assist with proper disposal of clean sweep products at the Dane County Facility.

Web Site: http://www.danecountycleansweep.com/

Location: 7102 US Hwy 12, Madison WI 53718, (Beltline/12/18 East toward Cambridge) across from the Yahara Hills Golf Course at the Dane County Landfill

Contact

If you cannot find the information you need from our website, you can leave a message for Clean Sweep Staff at (608) 838-3212 or email at neitzel-knox@countyofdane.com

What is Clean Sweep? Clean Sweep is a place to bring hazardous household materials such as Oil-Based Paints and Paint-Related Products, Pesticides & Poisons, Household Products Containing Organic Solvents, Ignitables, and Aerosols, and Rechargeable Batteries.

Why Clean Sweep? By providing the public with an opportunity to safely dispose of such hazardous products, we keep these products out of landfills and lower the environmental risks associated with such improper disposal. The payoff is a cleaner, healthier environment.

Fee Structure

FEES APPLY.

- **Dane County Households & Farms: $10.00 per trip**
  for all household hazardous waste and electronics. One television or computer monitor is included with the trip fee. Additional televisions and monitors will be billed at an additional $10.00 each.
- **Businesses: Fees based on weight and type of waste**
  Businesses must qualify as Very Small Quantity Generators (VSQG's) and must schedule an appointment prior to bringing wastes to the collection facility. Out-of-County businesses are welcome. Call (608) 243-0368 for more information.
- **Out-of-County Households & Farms: $75.00 per trip**
  No latex paint or electronics accepted from out-of-county residents.

We reserve the right to impose additional fees for large quantities of materials or loads from multiple households. Customers with large loads are urged to call (608)243-0368 in advance to determine the applicability of any additional fees.

Schedule

Hours:
Tuesdays - Fridays: 7:00am - 2:45pm
Saturdays: 8:00am - 10:45am
Closed Sundays, Mondays and Holidays

Please note that any days Clean Sweep is closed other than Sundays or Mondays will be posted here.

What's New

As of November 1st 2012 the Clean Sweep facility located 2302 Fish Hatchery Road is permanently closed and cannot accept any materials.

The new year round facility, located at 7102 US Hwy 12, Madison WI 53718, (Beltline/12/18 East toward Cambridge) across from the Yahara Hills Golf Course at the Dane County Landfill is now open.

All Clean Sweep customers do not have to stop at the scale and should proceed directly to the Clean Sweep building and stop under the canopy. Clean Sweep staff will provide you with further instructions. Clean Sweep customers include those coming to pick up free materials from our Product Exchange.

Please remember that leaving materials at the site when we are closed is illegal and can lead to a $2,000 forfeiture

Now Accepting Electronics

- Get rid of your old TV or computer monitor for $10. Other electronics accepted free of charge. Please see our Household page for details.

Clean Sweep does NOT accept microwave ovens, dehumidifiers or other appliances. Contact your local official, trash hauler, or private recycler for details.

Please note that there have been some rule changes for our Product Exchange program. Please see the Exchange page for details.

Mailbox Placement: To reduce the chances that your mailbox may be hit by a snow plow during winter, you still have time to move your mailbox and follow US Postal regulations and place your mailbox 40-42 inches above the road surface and back 6 inches from the curb with the door down. Following these guidelines will increase productivity by snow plow operators.

Refuse & Recycling Cart Placement: Still have a few residents that don't follow guidelines for proper cart placement. **John's Disposal Service Inc. and the City of Stoughton request and require that carts not be placed in the street, but instead place refuse carts on the park row or your driveway approach**. Please place cart(s) a minimum of 2 feet apart at the end of your driveway or park row area. Please do not set carts to close to mailboxes, trees, and light poles. Keeping the carts out of the street also allows street crews to effectively sweep streets, vacuum leaves and plow snow during the fall and winter season.

Please call **John's Disposal at 888-473-4701** for any questions or concerns related to solid waste collection or missed trash or recycling pick-up. Please place all materials out the night before or by **6 am** on your day of service. For more information regarding collection schedules, please visit John's Disposal website: www.johnsdisposal.com

Please feel free to call the Department of Public Works at 608-873-6303 for any questions or concerns. Enjoy the rest of your summer.

Sincerely,

Brett Hebert

Director of Public Works
bhebert@ci.stoughton.wi.us

You Can Help Lakes and Streams during Winter

It's very important to continue to pick up after your pet all year long, especially during winter. If you don't pick up pet waste right away, it can soon be encased in snow and ice, ready to be carried away with melt water when it warms up. Grassy areas that would normally allow water to soak in are frozen during winter, so they're more like a parking lot greatly increasing the surface area from which runoff flows. So, the bacteria and nutrients found in pet waste are much more likely to make their way to the nearest storm drain. And contrary to common belief, rain and melting snow that goes into storm drains does not go to the sewage treatment plant. Rather, it goes to the nearest lake or stream. So, be sure to continue to scoop the poop this winter and do your part to help keep lakes and streams free of pet waste. For more ideas on how you can help lakes and streams near you, go to www.myfairlakes.com.

Clean Water Starts at Home

Winter Walkways Worth their Salt?

As snow season draws near, consider this: sodium chloride (NaCl) is the most common form of salt used for de-icing roads and walkways. It is used so much that it has become a water pollutant. It is very difficult and costly to remove it once it is in the water, so prevention is very important.

Here are ways to reduce winter salt use and still have safe walking areas:

- Remove snow during a snowstorm instead of waiting until the end.
- Think "anti-icing."
- Treat before a storm to help prevent ice buildup so less de-icer is needed.

Alternatives:

- Sand - for traction is safe and effective, but sweep up excess
- Liquid magnesium chloride, calcium chloride, potassium chloride (all 3 work better than regular salt in colder temps), calcium magnesium acetate and potassium acetate.
- Do Not apply if ice has already formed, or in rainy, sleety, blowing conditions, nor if snowfall is more than 1-inch per hour.
- Concrete may require specialized use or product

Brand name alternatives are: Zero Ice Melt, Quik Joe's Ice Melt, Ice Away, Hydro-melt, Ace Hardware's salt mix.

Too costly?
Try using sand for traction as an alternative

After storms; use as little de-icer as possible:

- The closest salt substitute is potassium acetate
- Sand - safe for pets and children (but sweep up excess whenever possible).

Remember, regular salt is not effective at temperatures below 15 degrees (F). Sand, liquid magnesium chloride, calcium chloride, potassium chloride work at colder temperatures.

Agencies are actively using new methods on roads like anti-icing using liquid chemicals that lower the freeze-point and so delay the formation of ice. This requires knowing how cold the pavement will get and if it will freeze in order to determine the best time for chemical application. The chemicals then remain effective until washed away by rain, fog, or humidity. Chemicals used for anti-icing include magnesium chloride and potassium acetate. Each has different environmental impacts. Research continues for new cost-effective ways to have safe roads in winter.

Get Unwanted Meds Out...
Of your homes

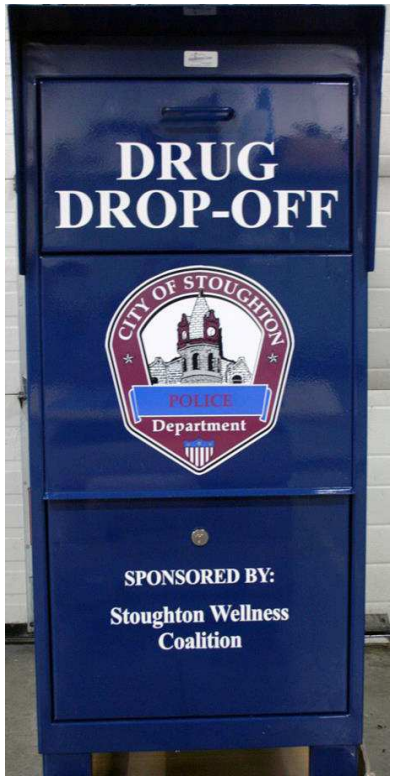
Of our waters & landfills
Of the reach of children!!

Keeping unused, unwanted and expired prescription and over-the-counter drugs in your home poses a risk to you, your family and your community.

To provide you with an anonymous, easy, secure and responsible way to properly dispose of these drugs, the Stoughton Wellness Coalition has established a permanent pharmaceutical drug drop-off box for area residents.

Brought to you by:

Stoughton Wellness Coalition



The drop off location is outside
at the Stoughton Police Department.

Stoughton Police Department

321 South Fourth Street
Stoughton, WI 53589

(608) 873-3374

DRUG DROP-OFF

Stoughton Police Department

Stoughton Wellness Coalition

The Stoughton Wellness Coalition was formed in 2006, through collaborative efforts of Stoughton Hospital, the Stoughton School District and the City of Stoughton. The coalition promotes a collaborative approach to personal and community wellness through health promotion, educational programming and service to the Stoughton Area Community.

Drop-Off Procedures

Please follow these instructions for free disposal of your unwanted medications:

1. Gather all unwanted medications from where you have them stored.
2. If possible, **leave all medications in their original containers.** You may black out any personal information that is on the bottle.
3. Bring the medications to the secured drug collection box.
4. Questions about dropping off medications can be directed to the Stoughton Police Department. Please call: (608) 873-3374

Did You Know:

64% of kids age 12 to 17 who have abused pain relievers say they got them from their friends, relatives or people they know, without their knowledge.

The drug drop-box is anonymous and available 24 hours per day, 7 days a week.

Accepted Substances

Prescription medications and medication samples

Over-the-counter medications

Inhalers

No Sharps:

No Syringes
No Needles
No Lancets

SAFE STORAGE AND TIPS

Always store medications in the original containers.

Never keep medications past their expiration date.

Always store separately medications for family members.

Never guess on how much medication to take.

Read the label before you open the bottle to ensure the right dosage is taken.

Never let young children take medicine by themselves.

Don't store medications in areas that are hot and humid, such as the bathroom medicine cabinet.

Lock your medicine cabinet. A cabinet or a drawer with a lock on it would also work.

Do talk with your children about the dangers of drug abuse!

Attachment 6

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1230 PM
OUTFALL # (Type this # in GPS Unit)	1	LOCATION	South of bridge @ Roby Rd.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe (Box Culvert) Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 5- 3' x 5' **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm (Priority) water flows to Outfall and where it goes.

Stormwater flows from a swale through a five box culverts to a stream and ultimately to the Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes (Far Right) ☑ No (remainder) standing water upstream. Trickle in far right conduct

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	12:50 PM
OUTFALL # (Type this # in GPS Unit)	2	LOCATION	909 N. Madison St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 60" **Material:** Concrete

Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**
Priority

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from road inlets to outfall to a stream and ultimately the Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes ☐ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR none

ODOR ~~No~~ none

TURBIDITY none

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/14	TIME	1245 PM
OUTFALL # (Type this # in GPS Unit)	3	LOCATION	N. Page St. (NE of bridge)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** Concrete

Major or (Minor)? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlet to outfall under bridge to a stream to the Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	115 PM
OUTFALL # (Type this # in GPS Unit)	4	LOCATION	305 Industrial Cir.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 36" **Material:** Concrete

(Major) **or Minor?** **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from roadinlets to outfall to Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes ☐ No Upstream Sources

(If flow is present, then refer to illicit discharge notification procedures.) have WPDES permit. (BIG Foods & North American Fur Auction)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR None

ODOR none

TURBIDITY none

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1:30 PM
OUTFALL # (Type this # in GPS Unit)	5	LOCATION	Commerce Rd. & Industrial Cir.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 24" **Material:** Concrete

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**
Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall, ~~to~~ and ultimately the Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1:00 PM
OUTFALL # (Type this # in GPS Unit)	6	LOCATION	West St. (Behind West St. Apts.)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 36" **Material:** Concrete

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from road inlets to outfall to Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes ☐ No upstream source (Stoughton H.S.) has WPDES Permit

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR clear

ODOR none

TURBIDITY none

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1:45 PM
OUTFALL # (Type this # in GPS Unit)	7	LOCATION	Zalk Joseph — Business Park Cir.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe (Box Culvert) Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 36" **Material:** Concrete

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to a pipe that crosses Zalk Joseph's property to the outfall to a ditch, and eventually to the Yahara River

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1:10 PM
OUTFALL # (Type this # in GPS Unit)	8	LOCATION	Business Park Cir.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 18" **Material:** Concrete

(**Major**) **or Minor?** **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from storm system to a retention pond.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	48°F, Cloudy
DATE	10/31/14	TIME	945 AM
OUTFALL # (Type this # in GPS Unit)	9	LOCATION	N. Division St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 36" **Material:** CMP

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from institutional property to outfall to Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	48°F Cloudy
DATE	10/31/14	TIME	940 AM
OUTFALL # (Type this # in GPS Unit)	10	LOCATION	N. Division St. (@ North St.)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 42" **Material:** CMP

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from roadinlets to outfall to Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	48°F, Cloudy
DATE	10/31/14	TIME	915 AM
OUTFALL # (Type this # in GPS Unit)	11	LOCATION	W. Washington St. & Water St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size ~~12"~~ 21" **Material:** CMP

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall to the Yakima River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	48°F, Cloudy
DATE	10/31/16	TIME	930 AM
OUTFALL # (Type this # in GPS Unit)	12	LOCATION	East end of W. Washington St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 30" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows road inlets to outfall to Yahara River

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	215 PM
OUTFALL # (Type this # in GPS Unit)	13	LOCATION	220 S. Water St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from street inlets to outfall to the Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/16	TIME	900 AM
OUTFALL # (Type this # in GPS Unit)	14	LOCATION	under Main St. bridge (NW)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 24" **Material:** Concrete

Major or (Minor?) Priority **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from road inlets to outfall under bridge to Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes ☐ No

(If flow is present, then refer to illicit discharge notification procedures.)

the Cenex gas station appears to have wash sprayed down their property.

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR Clear

ODOR None

TURBIDITY —

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/14	TIME	905 AM
OUTFALL # (Type this # in GPS Unit)	15	LOCATION	Under Main st. bridge (NE)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 18" **Material:** Concrete

Major or (Minor?) Priority **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall under bridge to Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/14	TIME	9:00 AM
OUTFALL # (Type this # in GPS Unit)	16	LOCATION	under Main St. bridge (SE)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** Concrete

Major or Minor? (Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)
Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall under bridge to Yahara River

IS THERE A FLOW PRESENT? ☐ Yes ☑ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/16	TIME	8:50 Am
OUTFALL # (Type this # in GPS Unit)	17	LOCATION	under main st. bridge (SW)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 24" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from road inlets to outfall under bridge to Yahara River.

IS THERE A FLOW PRESENT? ☑ Yes ☐ No

(If flow is present, then refer to illicit discharge notification procedures.)

Water is flowing from business (Norwegian Heritage Center)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR clear

ODOR None

TURBIDITY None

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45° F, Cloudy
DATE	10/31/16	TIME	815 am
OUTFALL # (Type this # in GPS Unit)	18	LOCATION	405 Main Page Ct.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe (Box Culvert) Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 72" x 48" **Material:** Concrete

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall in Yahara River

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/16	TIME	830 AM
OUTFALL # (Type this # in GPS Unit)	19	LOCATION	S. Water St. + W. Jefferson St. (North Pipe)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** _____

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes. Priority Cannot Find outfall. Water flowing through Upstream inlet.

IS THERE A FLOW PRESENT? ☐ Yes ☐ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	~~50°~~ 45° F, Cloudy
DATE	10/31/16	TIME	8:15 am
OUTFALL # (Type this # in GPS Unit)	20	LOCATION	S. Water St. & W. Jefferson St. (south pipe)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** CMP

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall to Yahara River

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/14	TIME	10:00 AM
OUTFALL # (Type this # in GPS Unit)	21	LOCATION	Stoughton St. Dept.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 12" **Material:** CMP

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from Stoughton DPW yard and road inlets to outfall to Yakima River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No water level half way up pipe.

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

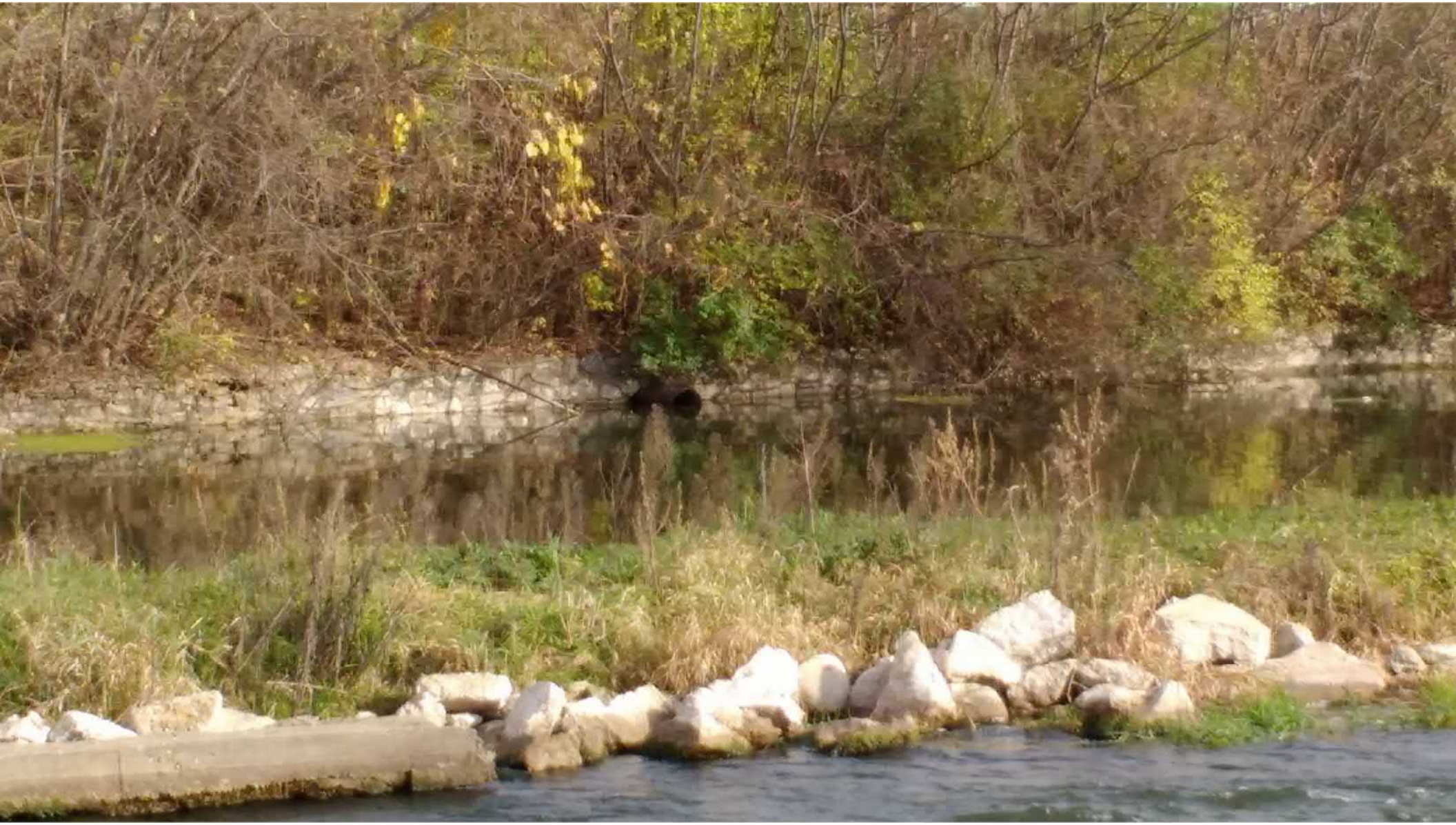
TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**



FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	1045 AM
OUTFALL # (Type this # in GPS Unit)	22	LOCATION	Southeast of Elvensted Dry Basin
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 48" **Material:** CMP

Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**
Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows ~~to~~ from road inlets to the outfall to the Yahara River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No Pipe half full due to high river levels.
(If flow is present, then refer to illicit discharge notification procedures.)
Standing water in upstream inlets.

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F cloudy
DATE	10/31/16	TIME	10 30 AM
OUTFALL # (Type this # in GPS Unit)	23	LOCATION	Dunkirk Ave. 836
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

2 pipes **If Outfall includes pipe: Pipe Size** 48" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from system on S. Academy St. to outfall to the Yahara River

IS THERE A FLOW PRESENT? ☑ Yes (Left) ☑ No (Right) upstream source (Stoughton Trailers) has WPDES permit.

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR Clear

ODOR none

TURBIDITY none

OIL SHEEN ☐ Yes ☑ No

SURFACE SCUM ☐ Yes ☑ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50° F, Cloudy
DATE	10/31/10	TIME	11:00 AM
OUTFALL # (Type this # in GPS Unit)	24	LOCATION	Veterans Rd. @ municipal boundary (both sides of road)
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe Box Culvert Elliptical Buried Sewer Other: Curb + gutter

If Outfall includes pipe: Pipe Size — **Material:** —

Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from curb and gutter flowline to the adjacent municipality's MS4.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	11:15 AM
OUTFALL # (Type this # in GPS Unit)	25	LOCATION	West. Milwaukee St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 36" 48" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets and a church property to the outfall to a pond outside the municipal limits.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No Sediment buildup w/ standing water

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	48°F, Cloudy
DATE	10/31/16	TIME	10 15 AM
OUTFALL # (Type this # in GPS Unit)	26	LOCATION	1069 Taylor Lane
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale Pipe Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size — **Material:** —

Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows through grass swale and leaves the municipality via grass swale

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50° F, Sunny
DATE	10/31/2016	TIME	1130 AM
OUTFALL # (Type this # in GPS Unit)	27	LOCATION	South end of King st.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert (Elliptical) Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 54" **Material:** Concrete

Major or (Minor?) **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows road inlets to outfall to a stream which flows to a pond outside the municipal limits.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/10	TIME	12:15 PM
OUTFALL # (Type this # in GPS Unit)	28	LOCATION	Paradise Pond (South) @ Jackson St.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 42" **Material:** Concrete

(Major) or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**
Priority

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets and an upstream swale to the outfall to Paradise Pond.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No High water levels impond.
(If flow is present, then refer to illicit discharge notification procedures.) Pipe 3/4 full. Upstream swale has ponding water.

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	45°F, Cloudy
DATE	10/31/16	TIME	7:50 AM
OUTFALL # (Type this # in GPS Unit)	29	LOCATION	Across from 2008 Roby Rd.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale ~~Pipe~~ Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 48" **Material:** Concrete

Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)** Priority

Describe below how storm water flows to Outfall and where it goes.

stormwater flows from road inlets to outfall to grass swale

IS THERE A FLOW PRESENT? ☐ Yes ☑ No
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	2:00 PM
OUTFALL # (Type this # in GPS Unit)	30	LOCATION	East of 318 Greig Trail
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) Box Culvert Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size 42" **Material:** Concrete

(Major or Minor? **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from road inlets to outfall to grassed waterway.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No Standing water
(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

FIELD SCREENING—VISUAL OBSERVATION

NAME	CLR	WEATHER	50°F, Cloudy
DATE	10/31/16	TIME	10:00 AM
OUTFALL # (Type this # in GPS Unit)	31	LOCATION	Dam at South Fourth st.
WISDOT # (leave blank unless structure plate is present)			

Outfall Type (Circle One)

Swale (Pipe) (Box Culvert) Elliptical Buried Sewer Other: _____

If Outfall includes pipe: Pipe Size ~16" X 60"? **Material:** Concrete

(**Major**) **or Minor?** **(Major is any outfall which is greater than 36". Use best guess when you can't determine pipe sizes.)**

Describe below how storm water flows to Outfall and where it goes.

Stormwater flows from an upstream stream through the box culvert to the outfall to the Yakima River.

IS THERE A FLOW PRESENT? ☐ Yes ☑ No dam releasing water so pipe has water in it

(If flow is present, then refer to illicit discharge notification procedures.)

IF THERE IS A FLOW, PROVIDE A NARRATIVE DESCRIPITON OF:

COLOR _____

ODOR _____

TURBIDITY _____

OIL SHEEN ☐ Yes ☐ No

SURFACE SCUM ☐ Yes ☐ No

DESCRIBE ANY OTHER RELEVANT OBSERVATIONS REGARDING POTENTIAL PRESENCE OF NON-STORM WATER DISCHARGES OR ILLEGAL DUMPING

GPS Point #: **Photos Taken:**

Attachment 7

CITY OF STOUGHTON, 381 E. Main Street, Stoughton, WI 53589

ORDINANCE OF THE COMMON COUNCIL	
Amending Portions of the Erosion Control and Stormwater Management Code Sections within Sec. 10-122, 10-127, 10-129, 10-130 and 10-131 of the Stoughton Municipal Code	
Committee Action: Public Works Committee recommends approval with the Mayor voting - - 0 Fiscal Impact: None	
File Number: O –3--2017	**Date Introduced:** March 14, 2017

The Common Council of the City of Stoughton do ordain as follows:

ARTICLE IV. - EROSION CONTROL AND STORMWATER MANAGEMENT

Sec. 10-121. - Authority.

This article is adopted under the authority of Wis. Stats. § 62.234.

(Code 1986, § 20.00; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-122. - Definitions.

As used in this article:

Affected means that a regulated activity has significantly:

(1) Caused negative impacts on water quality or the use or maintenance of land or business; or

(2) Endangered health, safety or general welfare.

Agricultural facilities and practices has the meaning in s. 281.16(1), Wis. Stats.

Average annual rainfall means a typical calendar year of precipitation as determined by the department for users of models such as SLAMM, P8, or equivalent methodology. The average annual rainfall is chosen from a department publication for the location closest to the municipality.

Bank erosion means the removal of soil or rock fragments along the banks or bed of a stream channel resulting from high flow after rain events.

Best management practice (BMP) means a practice, technique or measure that is an effective, practical means of preventing or reducing soil erosion or water pollution, or both, from runoff both during and after land development activities. These can include structural, vegetative or operational practices.

City means the City of Stoughton, Wisconsin.

Cold water community means surface waters capable of supporting a community of cold water fish and other aquatic life, or serving as a spawning area for cold water fish species (Wis. Adm. Code. NR 102.04(3) (a)).

Connected imperviousness means an impervious surface that is directly connected to a separate storm sewer or water of the state via an impervious flow path.

Construction site erosion control means preventing or reducing soil erosion and sedimentation from land disturbing activity.

Department means the Department of Natural Resources.

Development means residential, commercial, industrial or institutional land uses and associated roads.

Direct conduits to groundwater means wells, sinkholes, swallets, fractured bedrock at the surface, mine shafts, nonmetallic mines, tile inlets discharging to groundwater, quarries, or depressional groundwater recharge areas over shallow fractured bedrock.

Effective infiltration area means the area of the infiltration system that is used to infiltrate runoff and does not include the area used for site access, berms or pretreatment.

Erosion and soil erosion means the detachment and movement of soil or rock fragments by water, wind, ice or gravity.

Excavation means any act by which organic matter, earth, sand, gravel, rock or any other similar material is cut into, dug, quarried, uncovered, removed, displaced, relocated or bulldozed and shall include the resulting conditions.

Existing development means buildings and other structures and impervious area existing prior to August 22, 2001.

Fill means any act by which earth, sand, gravel, rock or any other material is deposited, placed, replaced, pushed, dumped, pulled, transported or moved to a new location and shall include the resulting conditions.

Final stabilization means that all land disturbing construction activities at the construction site have been completed and that a uniform perennial vegetative cover has been established with a density of at least 70% of the cover for the unpaved areas and areas not covered by permanent structures or that employ equivalent permanent stabilization measures.

Financial security instrument means a surety bond, performance bond, maintenance bond, irrevocable letter of credit or similar guarantees submitted to the local approval authority to ensure that requirements of this article are carried out in compliance with the stormwater management plan.

Gully erosion means a severe loss of soil caused by or resulting in concentrated flow of sufficient velocity to create a defined flow channel.

Heavily disturbed site means a site where an area of land is subjected to significant compaction due to the removal of vegetative cover or earthmoving activities, including filling.

Hydrologic soil group (HSG) has the meaning used in the runoff calculation methodology promulgated by the United States Natural Resources Conservation Service Engineering Field Manual for Conservation Practices.

Impervious surface means any land cover that prevents rain or melting snow from soaking into the ground, such as roofs (including overhangs), roads, sidewalks, patios, driveways and parking lots. For purposes of this article, all road, driveway or parking surfaces, including gravel surfaces, shall be considered impervious, unless specifically designed to encourage infiltration and approved by the local approval authority.

Infill means an undeveloped area of land located within an existing urban sewer service area, surrounded by development or development and natural or man-made features where development cannot occur.

Infiltration, for the purposes of this article, refers to any precipitation that does not leave the site as surface runoff.

Infiltration system means a device or practice such as a basin, trench, rain garden or swale designed specifically to encourage infiltration, but does not include natural infiltration in pervious surfaces such as

lawns, redirecting of rooftop downspouts onto lawns or minimal infiltration from practices such as swales or road side channels designed for conveyance and pollutant removal only.

Land conservation committee or LCC means the Dane County Land Conservation Committee created under Wisconsin Statutes § 92.06.

Land disturbing activities means any land alterations or disturbances that may result in soil erosion, sedimentation or change in runoff including but not limited to removal of ground cover, grading, excavating and filling of land.

Lightly disturbed site means a site where an area of land is subjected to minor compaction due to the limited removal of vegetative cover or earthmoving activities.

Local approval authority means the municipal staff, agency or contracted entity charged by the local unit of government with responsibility for enforcing stormwater and erosion control ordinances, and specifically includes the city planning department.

Local land division ordinance means any county, city, village or town ordinance adopted under Wis. Stats. ch. 236 to regulate the division of land.

Local zoning ordinance means any county, city, village or town ordinance adopted under Wis. Stats. §§ 59.69, 59.692, 59.693, 60.61, 60.62, 61.351, 61.354,114 62.23,62.231, or 62.234 of the to regulate the use of land.

Maximum extent practicable (MEP) means a level of implementing best management practices in order to achieve a performance standard specified in this chapter which takes into account the best available technology, cost effectiveness and other competing issues such as human safety and welfare, endangered and threatened resources, historic properties and geographic features. MEP allows flexibility in the way to meet performance standards and may vary based on the performance standard and site conditions.

New development means any of the following activities:

(1) Structural development, including construction of a new building or other structures;

(2) Expansion or alteration of an existing structure that results in an increase in the surface dimensions of the building or structure;

(3) Land disturbing activities; or

(4) Creation or expansion of impervious surface.

Nonerosive velocity means a rate of flow of stormwater runoff, usually measured in feet per second, that does not erode soils. Nonerosive velocities vary for individual sites, taking into account topography, soil type and runoff rates.

NR means Natural Resources Wis. Admin. Code

Peak flow means the maximum rate of flow of water at a given point in a channel, watercourse, or conduit resulting from the predetermined storm or flood.

Pervious surface means any land cover that permits rain or melting snow to soak into the ground.

Plan means an erosion control plan required by section 10-125 or a stormwater management plan required by section 10-126.

Plan review agency means the municipal staff, agency or qualified contracted entity charged by the local unit of government with responsibility for reviewing stormwater and erosion control plans under the local stormwater and erosion control ordinance.

Plat review officer means the municipal staff, agency or contracted entity charged by the local unit of government with responsibility for reviewing land divisions, certified survey maps or subdivision plats or any combination thereof under Wis. Stats. ch. 236.

Post-construction site means a construction site following the completion of land disturbing activity and final site stabilization.

Post-development means the extent and distribution of land cover types anticipated to occur under conditions of full development of the submitted plan. The term "post-development" is used to match pre-development and post-development stormwater peak flows as required by this article.

Pre-development means the extent and distribution of land cover types present before the initiation of the proposed land development activity, assuming that all land uses prior to land disturbing activity are in "good" condition as described in the Natural Resources Conservation Service Technical Release 55, "Urban Hydrology for Small Watersheds" (commonly known as TR-55). The term "pre-development" is used to match pre-development and post-development stormwater peak flows as required by this article. In a situation where cumulative impervious surface created after August 21, 2001 exceeds the 20,000 square foot threshold, the predevelopment conditions shall be those prior to the proposed land disturbance.

Recharge means the portion of the average annual rainfall that infiltrates the soil and becomes groundwater. Recharge does not include evaporation, transpiration, or runoff from the site.

Redevelopment means any construction, alteration or improvement exceeding 4,000 square feet of land disturbance performed on sites where the existing site is predominantly developed as commercial, industrial, institutional or multifamily residential uses. Projects may include a mix of redevelopment and new impervious surfaces. New impervious surfaces added as a result of redevelopment are subject to subsection 10-126(1).

Runoff curve number (RCN) has the meaning used in the runoff calculation methodology promulgated by the United States Natural Resources Conservation Service Engineering Field Manual for Conservation Practices.

Sediment means solid earth material, both mineral and organic, that is in suspension, is being transported or has been moved from its site of origin by air, water, gravity or ice, and has come to rest on the earth's surface at a different site.

Sedimentation means the deposition of eroded soils at a site different from the one where the erosion occurred.

Sheet and rill erosion means a loss of soil caused by sheet flow or shallow concentrated flow, and characterized by an absence of channeling or a relatively uniform loss across the exposed upper layer of the soil or shallow irregular scouring of the soil surface.

Site means the bounded area described in an erosion control plan or stormwater management plan.

Slope means the net vertical rise over horizontal run, expressed as a percentage, which represents a relatively homogeneous surface incline or decline over the area disturbed.

Soil loss rate means the rate, usually measured in tons per acre per year, at which soil is transported beyond the perimeter of a given control site and which occurs as a result of sheet and rill erosion. The term "soil loss rate" does not apply to soil movement resulting from concentrated flow such as gully or bank erosion.

Storm events means the precipitation amounts that occur over a 24-hour period that have a specified recurrence interval for Dane County, Wisconsin. For example, one-year, two-year, ten-year and 100-year storm events mean the precipitation amounts that occur over a 24-hour period that have a recurrence interval of one, two, ten and 100 years, respectively.

Stormwater means the flow of water which results from, and which occurs during and immediately following, a rainfall, snow melt or ice melt event.

Stormwater management means any measures taken to permanently reduce or minimize the negative impacts of stormwater runoff quantity and quality after land development activities.

Stormwater runoff means the waters derived from rains falling or snow melt or ice melt occurring within a drainage area, flowing over the surface of the ground and collected in channels, watercourses or conduits.

Street reconstruction means removal and replacement of the road subgrade, where existing stormwater conveyance systems are modified.

Structure means any human made object with form, shape and utility, either permanently or temporarily attached to, placed upon, or set into the ground, stream bed or lake bed.

Transportation facility means a highway, a railroad, a public mass transit facility, a public-use airport, a public trail or any other public work for transportation purposes such as harbor improvements under s. 85.095(1)(b), Wis. Stats. "Transportation facility" does not include building sites for the construction of public buildings and buildings that are places of employment that are regulated by the Department pursuant to s. 281.33, Wis. Stats.

Unnecessary hardship means that circumstance where special conditions, which were not self-created, affect a particular property and make strict conformity with regulations unnecessarily burdensome or unreasonable in light the purposes of this article.

(Code 1986, § 20.01; Ord. No. 0-21-06, § 1, 5-9-2006; Ord. No. 0-01-07, § 1, 1-9-2007; Ord. No. 0-18-2013, § 1, 8-13-2013)

Cross reference— Definitions generally, § 1-2.

Sec. 10-123. - Legislative findings.

(a) The common council finds that construction site erosion and uncontrolled stormwater runoff from land disturbing and land development activities have significant adverse impacts upon regional water resources and the health, safety, property and general welfare of the community, and diminish the public enjoyment and use of natural resources. Specifically, soil erosion and stormwater runoff can:

(1) Carry sediment, nutrients, pathogens, organic matter, heavy metals, toxins and other pollutants to regional lakes, streams and wetlands;

(2) Diminish the capacity of water resources to support recreational and water supply uses and a natural diversity of plant and animal life;

(3) Clog existing drainage systems, increasing maintenance problems and costs;

(4) Cause bank and channel erosion;

(5) Increase downstream flooding;

(6) Reduce groundwater recharge, which may diminish stream base flows and lower water levels in regional lakes, ponds and wetlands;

(7) Contaminate drinking water supplies;

(8) Increase risk of property damage and personal injury; and

(9) Cause damage to agricultural fields and crops.

(b) The common council also finds that effective sediment and stormwater management depends on proper planning, design and timely installation of conservation and management practices and their continuing maintenance.

(Code 1986, § 20.02; Ord. No. 0-21-06, § 1, 5-920-2006)

Sec. 10-124. - Purpose and intent.

(a) The purpose of this article is to set forth the minimum requirements for construction site erosion control and stormwater management that will diminish threats to public health, safety, public and private property and natural resources of the city.

(b) This article is intended to regulate construction site erosion and stormwater runoff, to accomplish the following objectives:

(1) Promote regional stormwater management by watershed;

(2) Minimize sedimentation, water pollution from nutrients, heavy metals, chemical and petroleum products and other contaminants, flooding and thermal impacts to the water resources of the city;

(3) Promote infiltration and groundwater recharge;

(4) Protect functional values of natural water courses and wetlands;

(5) Provide a single, consistent set of performance standards that apply to all developments within the city and are consistent with the standards set forth by the county;

(6) Achieve an 80 percent reduction in sediment load rates to the county waters compared to no controls for all new development, a 40 percent reduction in sediment load rates compared to no controls for all redevelopment and street reconstruction and a 20 percent reduction in sediment load rates compared to no controls for existing developments;

(7) Ensure no increase in temperature of stormwater post-construction in order to protect cold water communities;

(8) Ensure no increase in the rate of surface water drainage from sites during or after construction; and

(9) Protect public and private property from damage resulting from runoff or erosion.

(Code 1986, § 20.03; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-125. - Applicability of requirement for erosion control permits.

Unless expressly exempted by section 10-127, an erosion control permit under section 10-129 shall be required and all construction site erosion control provisions of this article shall apply to any of the following activities in the city:

(1) Land disturbing activity in excess of 4,000 square feet.

(2) Land disturbing activity that involves the excavation or filling, or a combination of excavation and filling, in excess of 400 cubic yards of material.

(3) Land disturbing activity that disturbs more than 100 lineal feet of road ditch, grass waterway or other land area where surface drainage flows in a defined open channel; including the placement, repair or removal of any underground pipe, utility or other facility within the cross section of the channel.

(4) Any new public or private roads or access drives longer than 125 feet.

(5) Development that requires a subdivision plat, as defined in the applicable local land division ordinance(s).

(7) Land disturbing activity that disturbs less than 4,000 square feet of land, including the installation of access drives, that the local approval authority determines to have a high risk of soil erosion or water pollution, or that may significantly impact a lake, stream or wetland area. Examples of activities with a high risk of soil erosion or water pollution may include, but are not limited to, land disturbance on erodible soil or disturbance adjacent to lakes, rivers, streams or

wetlands. All such determinations made by the local approval authority shall be in writing, unless waived by the applicant.

(Code 1986, § 20.04; Ord. No. 0-21-06, § 1,. 5-9-2006)

Sec. 10-126. - Applicability of requirement for stormwater control permits.

Unless otherwise exempted by section 10-127, a stormwater control permit under section 10-129 shall be required and all stormwater management provisions of this article shall apply to any of the following activities within the city:

(1) Any development after August 22, 2001, that results in the cumulative addition of 20,000 square feet of impervious surface to the site;

(2) Any development that requires a subdivision plat, as defined in the applicable local land division ordinance(s);

(3) Any development that requires a certified survey map, as defined in the applicable local ordinance(s); for property intended for commercial or industrial use;

(4) Redevelopment, as defined in section 10-122.

(5) Notwithstanding the exemptions in Section 10-127, other land development activities, including, but not limited to redevelopment or alteration of existing buildings and other structures, that the local approval authority determines may significantly increase downstream runoff volumes, flooding, soil erosion, water pollution or property damage or significantly impact a lake, stream or wetland area. All such determinations shall be made in writing unless waived by the applicant.

(Code 1986, § 20.05; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-127. - Exemptions and clarifications.

(a) The following activities are exempt from all requirements of this article:

(1) Agricultural activities. Stormwater discharges from the planting, growing, cultivating and harvesting of crops for human or livestock consumption and pasturing or yarding of livestock, including sod farm and tree nurseries are not regulated by this ordinance. This exemption does not include the construction of structures such as barn, manure storage facilities or barnyard runoff control systems.

(2) Silviculture activities, including tree nursery operations, tree harvesting operations, reforestation, tree thinning, prescribed burning, and pest and fire control. Clearing and grubbing of an area of a construction site is not a silviculture activity.

(3) One-family and two-family dwelling units regulated under the Wisconsin Uniform Dwelling Code. Land disturbing activities in excess of one acre, or not associated with the construction of a dwelling, or less than one acre but part of a larger common plan of development or sale under jurisdiction of the city, are not exempt from this article.

(4) Transportation facility construction projects directed and supervised by the Wisconsin Department of Transportation in accordance with Wis. Admin. Code § NR 216.42(5).

(5) Routine maintenance for project sites that have less than 5 acres of land disturbance if performed to maintain the original line and grade, hydraulic capacity or original purpose of the facility.

(b) The following activities are exempt from the construction site erosion control provisions of section 10-125:

(1) Projects specifically exempted from local erosion control ordinances under state or federal statute. It is the responsibility of the landowner to demonstrate such exemption with documentation acceptable to the local approval authority.

(2) Projects subject to an approved shoreland erosion control permit under chapter 31.

(c) The following activities are exempt from the stormwater management provisions of section 10-126:

(1) New development sites with less than ten percent connected imperviousness based on complete development of the post construction site, provided the cumulative area of all impervious surfaces is less than one acre. This exemption does not include an exemption from the protective area standard of Section 10-131(b)(9) of this ordinance.

(2) Agricultural facilities and practices.

(3) Underground utility construction, but not including the construction of any above ground structures associated with utility construction.

(Code 1986, § 20.06; Ord. No. 0-21-06, § 1, 5-9-2006; Ord. No. 0-18-2013, § 2, 8-13-2013)

Sec. 10-128. - Preliminary review letter.

(a) *Purpose and intent.* A preliminary review letter provides a potential permit applicant with an initial simple evaluation of whether erosion and stormwater control standards can be met for a proposed site, lot layout and construction design. This review is intended to assist applicants in preparing general site plans and other submittals necessary to obtain an erosion control and stormwater permit. A preliminary review letter does not guarantee that an erosion or stormwater control plan will be approved or that a permit will be issued. Erosion and stormwater control plans and permit applications must meet all applicable standards and criteria for approval.

(b) *Application procedure.*

(1) The local approval authority may charge a fee to compensate for provision of the cost of the preliminary review letter process.

(2) Any person may apply for a preliminary review letter by submitting an application that contains the information required by the local approval authority.

(3) The local approval authority may require a preliminary review letter prior to accepting a petition for rezoning or conditional use application under applicable ordinances, or city planning staff may require a preliminary review letter prior to accepting an application for a certified survey map under applicable ordinances where the following apply:

a. The proposal would involve one or more acres within either the current or proposed boundaries of a commercial or industrial zoning district;

b. The proposed lot or rezone area configuration would necessitate driveways, access roads or other construction that would clearly require an erosion control plan and/or stormwater management plan under section 10-125 and/or 10-126;

c. Natural features of the site including, but not limited to slope, soils, wetlands, or hydrology are such that, in the opinion of the city planning staff or a designated authority, substantial risk of erosion, flooding or other environmental or public safety hazard exists;

(4) Unless expressly waived by the applicant, decisions by the local approval authority to require a preliminary review letter shall be made in writing and shall detail the reasons why the authority believes there to be a substantial risk of erosion, flooding or hazard.

(Code 1986, § 20.07; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-129. - Erosion and stormwater control permits and administration.

(a) No activity meeting the criteria described in section 10-125 or section 10-126 shall occur and no building permits may be issued, until an erosion control and stormwater control permit is issued by the local approval authority.

(b) *Application Requirements*. The applicant must provide the following when requesting a permit:

(1) Completed application form:

a. The application must be signed by the landowner or include a notarized statement signed by the landowner authorizing the applicant to act as the landowner's agent and bind the landowner to the terms of this article.

b. If a landowner appoints an agent to submit an application pursuant to subsection (b)(1)a. of this section, the landowner shall be bound by all of the requirements of this article and the terms of any permit issued to the agent.

(2) Fees as required by section 10-135.

(3) Copy of preliminary review letter, as described in section 10-128, if applicable.

(4) If required by section 10-125, an erosion control plan meeting all the standards of Wis. Admin Code § NR 216.46 and the applicable performance standards in Wis. Admin. Code § NR 151.11 for construction sites or NR 151.23 for transportation facility sites, and Section 10-130, or a simplified checklist as described in section 10-130.

(5) If required by section 10-126, a stormwater management plan meeting all of the standards of Wis. Admin. Code § NR 216.47 and the applicable performance standards in Wis. Admin. Code §§ NR 151.121 to NR 151.128 for construction sites or NR 151.242 to NR 151.249 for transportation facility sites, and Section 10-131 and a draft maintenance agreement as described in subsection 10-131(a)(10).

(6) Copies of permits or permit applications or approvals required by any other governmental entity.

(7) A proposed timetable and schedule for completion and installation of all elements of approved erosion control and stormwater management plans and a detailed schedule for completion of construction.

(8) An estimate of the cost of completion and installation of all elements of the approved erosion control and stormwater management plans.

(9) Evidence of financial responsibility to complete the work proposed in the plan. The local approval authority may require a financial security instrument sufficient to guarantee completion of the project.

(10) A plan to manage solid waste on construction sites such as discarded building materials, concrete truck washout, chemicals, litter and sanitary waste to reduce adverse impacts from stormwater runoff.

(c) *Approval process.*

(1) The local approval authority shall verify that the permit application is complete under subsection (b) of this section. The local approval authority or applicant shall forward the plan to the plan review agency for review and approval. The plan review staff shall review the plan for compliance with the standards identified in sections 10-130 and 10-131.

(2) The plan review staff shall either approve the submitted plan or notify the local approval authority of any deficiencies. Staff engaged in this review and approval process shall be certified where appropriate by the Wisconsin Department of Commerce for this purpose.

(3) The local approval authority shall notify the applicant in writing of any deficiency in the proposed plan and the applicant shall be given an opportunity to correct any deficiency.

(4) Where installed stormwater practices will be privately-owned, an affidavit which describes the property by legal description, notifying future prospective purchasers of the existence of a stormwater permit issued under this article and applicable plan, timetables and potential liability imposed by subsection (h)(3) of this section for failure to bring the property into compliance with this article after notification, shall be recorded with the Dane County register of deeds prior to issuance of an erosion and stormwater control permit. Such information shall also be noted on every plat and certified survey map.

(5) Upon approval of the plan review agency, the erosion control or stormwater management permit shall be issued by the local approval authority after the applicant has met all other requirements of this article.

(d) *Permit requirements.*

(1) The erosion control plan shall be implemented prior to the start of any land disturbing activity and shall be maintained over the duration of the project. Stormwater components of the plan shall be maintained in perpetuity.

(2) The permittee is responsible for installation of all BMPs as identified in the approved erosion control plan and stormwater management plan.

(3) The permittee is responsible for successful completion of the erosion control plan and the stormwater management plan. The permittee shall be liable for all costs incurred, including environmental restoration costs, resulting from noncompliance with an approved plan.

(4) Application for a permit shall constitute express permission by the permittee and landowner for the local approval authority to enter the property for purposes of inspection under subsection (e) of this section or curative action under subsection (h)(3) of this section. The application form shall contain a prominent provision advising the applicant and landowner of this requirement.

(5) All incidental mud-tracking off-site onto adjacent public thoroughfares shall be cleaned up and removed by the end of each working day using proper disposal methods.

(6) A copy of the approved permit and erosion control plan shall be kept on the project site, in a place readily accessible to contractors, engineers, local approval authority, inspection staff and other authorized personnel.

(e) *Inspections.*

(1) Application for a permit under this article shall constitute permission by the applicant and landowner for the local approval authority to enter upon the property and inspect during the construction phase prior to the inspections pursuant to subsections (e)(4) and (e)(6) of this section, as necessary to confirm compliance with the requirements of this article.

(2) As part of the plan approval process, the local approval authority shall determine the minimum number of inspections required to ensure compliance. The site of any regulated land disturbing activity shall be inspected once every 30 days, or more frequently as determined by the local approval authority during the construction phase with assistance from the plan review agency staff.

(3) The permittee shall notify the local approval authority within ten days after installation of all practices in an approved erosion control plan and achievement of soil stabilization. The permittee shall inspect the site weekly, prior to every forecasted rain fall of one-half inch or greater, and within 24 hours following a rainfall of one-half inch or greater. Written documentation of each inspection shall be maintained at the construction site and shall include the time, date and location of inspection, the phase of land disturbance at the construction site, person conducting the inspection, assessment of control practices, and a description of any erosion or sediment control measure installation or maintenance performed in response to the inspection.

(4) The local approval authority shall inspect the property to verify compliance with the erosion control plan within ten days of notification of soil stabilization.

(5) Within ten days after installation of all practices in an approved stormwater management plan, the permittee shall notify the local approval authority and submit drawings documenting construction. A professional engineer shall submit as-built certification to ensure that constructed stormwater management practices and conveyance systems comply with the specifications included in the approved plans. At minimum, as-built certification shall include a set of drawings comparing the approved stormwater management plan with what was constructed. Other information shall be submitted as required by the local approval authority.

(6) The local approval authority shall inspect the property to verify compliance within ten days of notification.

(7) Maintenance is the responsibility of the owner and facilities are subject to inspection and orders for repairs.

(f) *Permit transfers.*

(1) When a permittee and landowner act to transfer an interest in property subject to an approved plan prior to completion of the proposed steps to attain soil stabilization, the permittee must secure approval from the local approval authority.

(2) When a permittee and landowner transfer ownership, possession or control of real estate subject to either or both an uncompleted erosion control and a stormwater management plan, the successor in interest to any portion of the real estate shall be responsible to control soil erosion and runoff and shall comply with the minimum standards provided in this article.

(3) When ownership, possession or control of property subject to an uncompleted erosion control or stormwater management plan, or both, is transferred, the former owner (seller) shall notify the new owner (buyer) as to the current status of compliance with notice to the authority and provide a copy of the erosion control plan or stormwater management plan, or both.

(4) Transfers of interest in real estate subject to an approved, uncompleted plan may be conducted consistent with this article under any of the following arrangements:

a. The transferee shall file a new, approved erosion control or stormwater management plan, or both, with the authority.

b. The transferee shall obtain an approved assignment from the authority as subpermittee to complete that portion of the approved plan regulating soil erosion and runoff on the transferee's property.

c. The permittee shall provide the authority with a duly completed and executed continuing surety bond or certified check in an amount sufficient to complete the work proposed in the approved plan; at the time of transfer, the permittee may seek to reduce the surety bond or certified check to the appropriate amount to complete remaining work. If the transferor enters into escrow agreements with transferees to complete an approved plan, these funds shall be available to the authority to attain plan compliance. When an approved erosion control plan and, if required, a stormwater management plan is or are not completed as proposed, the authority may use the surety bond to complete remaining work to achieve plan compliance.

(g) *Plan or permit amendments.* Any proposed modifications to approved plans, construction schedules or alterations to accepted sequencing of land disturbing site activities shall be approved by the local approval authority in consultation with the plan review agency prior to implementation of such changes. One permit revision is allowed at no charge. The second and subsequent revisions, to a maximum of five revisions, cost $50.00 each.

(h) *Violations and enforcement:*

(1) Stop work order.

a. Whenever the local approval authority finds any noncompliance with the provisions of this article, the local approval authority shall attempt to communicate with the owner or person

performing the work to obtain immediate and voluntary compliance if such person is readily available. If the owner or person performing the work is not readily available, that person refuses to voluntarily comply immediately or the noncompliance presents an immediate danger or will cause or threatens to cause bodily injury or damage to off-site property including, but not limited to off-site runoff, the local approval authority shall post in a conspicuous place on the premises, a stop work order which shall cause all activity not necessary to correct the noncompliance to cease until noncompliance is corrected.

b. The stop work order shall provide the following information:

1. Date of issuance;
2. Reason for posting;
3. The signature of the inspector posting the card; and
4. The address or legal description of the property.

c. It shall be a violation of this article for the unauthorized removal of the stop work order from the premises.

(2) In addition to posting a stop work order, the local approval authority shall provide notification to the owner or contractor by personal service, written notice by certified mail, electronic mail or facsimile transmission.

a. The permittee, landowner and contractor shall have 24 hours from the time and date of notification by the local approval authority to correct any noncompliance with the plan when notification is by either personal communication of noncompliance to the owner or contractor or their respective agents or written notice sent by certified mail to the owner or the contractor.

b. If notice is not provided under subsection (h)(2)a of this section, the permittee and landowner shall have 72 hours to correct any noncompliance with the plan when notification is by posting notice in a conspicuous place on the site or sending notice by facsimile transmission to the owner or contractor.

(3) If any noncompliance is not corrected within the time periods specified in subsection (h)(2)a or (h)(2)b of this section, the permittee and landowner authorize the local approval authority to take any action, to perform any work or commence any operations necessary to correct conditions upon the subject property where notice of noncompliance has been issued to bring the property into conformance with plan requirements. The permittee and landowner further consent to reimburse the authority for the total costs and expenses of such actions and such reimbursement may be collected as a special charge upon the property for current services rendered as provided by law.

(4) If the permittee has filed an appeal under subsection 10-134(a)(1) prior to the expiration of the time for compliance under subsection (h)(2) of this section, the local approval authority may take action, perform work or correct conditions only to the extent necessary to protect against or correct an imminent hazard or a condition that will cause or threatens to cause personal injury or damage to off-site property.

(i) *Penalties.*

(1) Any person, firm, company or corporation, owner, occupant or other user of the premises who violates, or refuses to comply with, or resists the enforcement of, any of the provisions of this article shall be subject to a forfeiture of not less than $200.00 nor more than $1,000.00 and costs of prosecution. Each day that a violation exists shall constitute a separate offense, and such violations shall be prosecuted in municipal court.

(2) Any person who has the ability to pay any forfeiture entered against him under this article, but refuses to do so may be confined in the county jail until such forfeiture is paid, but in no event to exceed 30 days. In determining whether an individual has the ability to pay a forfeiture, all items

of income and all assets may be considered regardless of whether or not such income or assets are subject to garnishment, lien or attachment by creditors.

(j) *Timeframe and expiration.*

(1) Erosion control plan timetables and construction schedules must begin within one year of the date of the application for permit is submitted.

(2) All applications for permit shall expire:

a. One year from the date the applicant is notified of an application deficiency, if the applicant has not submitted additional information to adequately address the deficiency within one year; or

b. Three years from the date of application.

(3) Erosion control permits shall expire:

a. Upon the stabilization date included in the approval plan and included in the analysis provided to meet the requirements of ten.

b. A maximum of three years after the permit is issued.

(Code 1986, § 20.08; Ord. No. 0-21-06, § 1, 5-9-2006; Ord. No. 0-18-2013, § 3, 8-13-2013)

Sec. 10-130. - Erosion control plan requirements.

(a) *Plan materials.* Erosion control plans required under section 10-125 may include consideration of adjoining landowners' cooperative efforts to control transport of sediment and, except as specifically exempted in this section, shall include at a minimum the information required in Wis. Admin. Code § NR 216.46 including the following information:

(1) Property lines, lot dimensions, and limits of disturbed area;

(2) Limits of impervious area including buildings. Include all public and private roads, interior roads, driveways, parking lots, and indicate type of paving and surfacing material;

(3) All natural and artificial water features including, but not limited to lakes, ponds, streams, (including intermittent streams), and ditches; and areas of natural woodland or prairie. The plan must show ordinary high-water marks of all navigable waters, 100-year flood elevations and delineated wetland boundaries. A certified flood zone determination and/or wetland delineation may be required at the applicant's expense;

(4) Cross sections of and profiles of channels, swales, and road ditches;

(5) Culvert sizes;

(6) Direction of flow of runoff;

(7) Watershed size for each drainage area;

(8) Design discharge for ditches and structural measures;

(9) Runoff velocities;

(10) Fertilizer and seeding rates and recommendations;

(11) Time schedules for stabilization of ditches and slopes;

(12) Description of methods by which sites are to be developed and a detailed land disturbance schedule including time schedules for stabilization of ditches and slopes;

(13) Provision for sequential steps mitigating erosive effect of land disturbing activities to be followed in appropriate order and in a manner consistent with accepted erosion control methodology

suitable to proposed sites and amenable to prompt revegetation, including runoff calculations as appropriate;

(14) Provisions to prevent mud-tracking off-site onto public thoroughfares during the construction period;

(15) Provisions to disconnect impervious surfaces, where feasible;

(16) Provisions to prevent sediment delivery to, and accumulation in, any proposed or existing stormwater conveyance system;

(17) Copies of permits or permit applications required by any other unit of government or agency;

(18) Existing and proposed elevations (referenced to the National Geodetic Vertical Datum of 1929) and existing and proposed contours in the area, where deemed necessary; [and]

(19) Any other information necessary to reasonably determine the location, nature and condition of any physical or environmental features of the site.

(b) *Simplified plan checklists.* Applicants may submit erosion control proposals using simplified checklists of standard erosion control practices, on a standard form approved by the local approval authority, wherever all of the following conditions exist:

(1) The site does not exceed 20,000 square feet in area; and

(2) Soil on slopes steeper than 6 percent will be exposed for less than 15 days.

(3) Soil on slopes less than 6 percent will be exposed for less than 6 months

(c) *Review of simplified plan checklists.* Simplified plan checklists shall be reviewed by the local approval authority for completeness and accuracy.

(d) *Erosion control performance standards.* The erosion control plan shall be designed to meet the following performance standards and other requirements of this ordinance.

(1) Proposed design, suggested location and phased implementation of effective, practicable erosion control measures for plans shall be designed, engineered and implemented to achieve the following results:

a. Prevent gully and bank erosion;

b. Limit total off-site permissible annual aggregate soil loss for exposed areas resulting from sheet and rill erosion to an annual, cumulative soil loss rate not to exceed 7.5 tons per acre annually; and

c. Discharges from new construction sites must have a stable outlet capable of carrying designed flow as required in subsection 10-131(b)(3), at a non-erosive velocity. Outlet design must consider flow capacity and flow duration. This requirement applies to both the site outlet and the ultimate outlet to stormwater conveyance or waterbody.

(2) Plan compliance under subsection (d)(1) of this section shall be determined using the U.S. Natural Resources Conservation Service Technical Guide or another commonly accepted soil erosion methodology approved by the county conservationist, that considers season of year, site characteristics, soil erodibility and slope.

(3) Erosion control measures for plan approval need not attempt to regulate soil transportation within the boundaries of the applicant's site.

(4)

a. Except as authorized in this section, the topography within five (5) feet of any property line at the commencement of any development shall remain unchanged.

1. When land disturbing activities associated with development occur within five (5) feet of any property line, finished grades in that area shall be restored to the

topography in existence before the land disturbing activity began. A positive slope of one-half (1/2) inch vertical per one (1) foot horizontal within five (5) feet of the property line is allowed to provide proper drainage away from a one or two family residence.

2. The established grade of the adjoining property shall determine the finished grade at the property line for any development. The owner of the property under development bears the burden of proof as to the established grade at the property line and the topography within five (5) feet of the property line. The director of the Director of Planning & Development may require detailed site grading plans of existing and proposed conditions to be submitted before commencement of land disturbing activities.

b. Existing drainage ways and drainage easements along property lines shall be maintained including, but not limited to, natural watercourses and stormwater management areas shown on subdivision plats and certified survey maps.

c. Development in Floodplain Districts requiring fill to comply with chapter 30 is exempt from this subsection.

d. Upon written application, the director of the Director of Planning & Development may authorize exceptions resulting in changes to the existing topography at and within five (5) feet of any property line that would promote the purposes stated in this ordinance. An exception authorized under this subsection may not direct additional stormwater runoff toward adjacent properties. Proposed exceptions may include but are not limited to, retaining walls, berms and other structures, and other changes to existing grade at and within five (5) feet of a property line. The director of the Director of Planning & Development may require the submittal of detailed site grading plans of existing and proposed conditions including, but not limited to, detailed topographical information of the subject and adjoining properties, before land disturbing activities commence.

(5) An erosion control plan required under this ordinance shall meet the requirements of Wis. Admin. Code § NR 216.46 and the applicable performance standards in Wis. Admin. Code § NR 151.11 for construction sites or § NR 151.23 for transportation facility sites.

(Code 1986, § 20.09; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-131. - Stormwater management plan requirements.

(a) *Plan materials.* Stormwater management plans required under section 10-126 shall satisfy all of the requirements in subsection (b) of this section, and shall address at a minimum the following information:

(1) Name, address, and telephone number for the following or their designees: landowner; developer; project engineer for practice design and certification; person(s) responsible for installation of stormwater management practices; and person(s) responsible for maintenance of stormwater management practices prior to the transfer, if any, of maintenance responsibility to another party.

(2) A narrative describing the proposed project, including an implementation schedule for planned practices;

(3) Identification of the entity responsible for long-term maintenance of the project;

(4) A map showing drainage areas for each watershed area;

(5) A summary of runoff peak flow rate calculations, by watershed area, including:

a. Pre-existing peak flow rates;

b. Post-construction peak flow rates with no detention;

c. Post-construction peak flow rates with detention;

d. Assumed runoff curve numbers (RCNs); and

e. Time of concentration (Tc) used in calculations;

(6) A complete site plan and specifications, signed by the person who designed the plan. All plans shall be drawn to an easily legible scale, shall be clearly labeled and shall include, at a minimum, all of the following information:

a. Property lines and lot dimensions, including all existing and proposed buildings and setbacks;

b. All public and private roads, interior roads, driveways and parking lots. Show traffic patterns and type of paving and surfacing material;

c. All natural and artificial water features, including but not limited to lakes, ponds, streams (including intermittent streams), and ditches. Show ordinary high-water marks of all navigable waters, 100-year flood elevations and delineated wetland boundaries, if any. If not available, appropriate flood zone determination or wetland delineation, or both, may be required at the applicant's expense;

d. Depth to bedrock;

e. Depth to seasonal high water table;

f. The extent and location of all soil types as described in the Dane County Soil Survey, slopes exceeding 12 percent, and areas of natural woodland or prairie;

g. Existing and proposed elevations (referenced to the North American Vertical Datum of 1988, where available) and existing and proposed contours in the area requiring a grading and filling permit;

h. Elevations, sections, profiles and details as needed to describe all natural and artificial features of the project;

i. Soil erosion control and overland runoff control measures, including runoff calculations as appropriate;

j. Detailed construction schedule;

k. Copies of permits or permit applications required by any other governmental entities or agencies;

l. Any other information necessary to reasonably determine the location, nature and condition of any physical or environmental features;

m. Location of all stormwater management practices;

n. All existing and proposed drainage features;

o. The location and area of all proposed impervious surfaces; and

p. The limits and area of the disturbed area.

q. All buildings and outdoor uses, existing and proposed, including all dimensions and setbacks.

(7) Engineered designs for all structural management practices;

(8) A description of methods to control oil and grease or written justification for not providing such control;

(9) If required under subsection (b)(6) of this section, a description and plans to control temperature of runoff;

(10) A maintenance plan and schedule for all permanent stormwater management practices as recorded on the affidavit required in subsection 10-129(c)(4). This plan shall, at a minimum, contain the following information and provisions:

a. Identification of the owner(s) of the land parcel(s) where BMP(s) are located;

b. Long Term Maintenance Plan. A description of all long term maintenance activities that will likely be required for each BMP included in the agreement, and an estimated time interval between each activity;

c. Access. Authorization for vehicle access, including a minimum 15-foot wide access easement dedicated to the City, to allow for future BMP maintenance work.

d. Maintenance Responsibility. Identification of the person(s), organization, municipality or other entity responsible for long term maintenance of the stormwater BMP.

e. Inspections shall be performed by the responsible party. The responsible party shall maintain a log of inspection activities.

(11) A summary of infiltration calculations including:

a. Pre-developed infiltration volume;

b. Calculated infiltration volume goal;

c. Achieved post development infiltration volume.

(b) *Stormwater management performance standards.* Proposed design, suggested location and phased implementation of effective, practicable stormwater management measures for plans shall be designed, engineered and implemented to achieve the following results:

(1) For redevelopment sites where the redevelopment will be replacing older development that was subject to post-construction performance standards of NR 151 in effect on or after October 1, 2004, the permittee shall meet the total suspended solids reduction, peak flow control, infiltration, and protective area standards applicable to the older development or meet the redevelopment standards of this ordinance, whichever is more stringent.

(2) *Total suspended solids.* BMPs shall be designed, installed and maintained to control total suspended solids carried in runoff from the post-construction site as follows:

a. For new development, design practices to retain soil particles greater than five microns on the site (80 percent reduction) resulting from a one-year 24-hour storm event (2.5 inches over a 24-hour duration), according to approved procedures and assuming no sediment resuspension;

b. For redevelopment resulting in exposed surface parking lots and associated traffic areas, design practices to retain soil particles greater than 20 microns on the entire site (40 percent reduction) resulting from a one-year 24-hour storm event, according to approved procedures and assuming no sediment resuspension. Under no circumstances shall the site's existing sediment control level or trapping efficiency be reduced as a result of the redevelopment.

c. For in-fill development by design, reduce to the maximum extent practicable, the total suspended solids load by 80%, based on an average annual rainfall, as compared to no runoff management controls. No person shall be required to exceed an 80% total suspended solids reduction to meet the requirements of this subdivision.

d. Maximum Extent Practicable. If the design cannot meet a total suspended solids reduction performance standard in subs (a)-(c), the stormwater management plan shall include a written, site-specific explanation of why the total suspended solids reduction performance standard cannot be met and why the total suspended solids load will be reduced only to the maximum extent practicable.

e. *Off-Site Drainage.* When designing BMPs, runoff draining to the BMP from off-site shall be taken into account in determining the treatment efficiency of the practice. Any impact on the efficiency shall be compensated for by increasing the size of the BMP accordingly.

(2) *Oil and grease control.* For all stormwater plans for commercial or industrial developments and all other uses where the potential for pollution by oil or grease, or both, exists, the first 0.5 inch of runoff will be treated using the best oil and grease removal technology available. This requirement may be waived by the plan reviewer only when the applicant can demonstrate that installation of such practices is not necessary.

(3) *Peak discharge.*

a. The maximum runoff curve number (RCN) used in such calculations shall be those shown in Table 1. The TR-55 specified curve numbers for other land uses shall be used. Heavily disturbed sites will be lowered one permeability class for hydrologic calculations. Lightly disturbed areas require no modification. Where practices have been implemented to restore soil structure to pre-developed conditions, no permeability class modification is required.

Table 1. Maximum Pre-development Runoff Curve Numbers				
Runoff Curve Number	Hydrologic Soil Group *			
	A	B	C	D
Woodland	30	55	70	77
Grassland	39	61	71	78
Cropland	51	68	78	83
*When dual HSG are specified, the drained condition shall be assumed				

b. *Runoff rate control—design standards.* Except for redevelopment projects, all stormwater facilities shall be designed, installed and maintained to effectively accomplish the following:

1. Maintain predevelopment peak runoff rates for the one1-year, 24-hour storm event (2.549 inches over 24-hour duration using the NRCS MSE4 storm distribution).

2. Maintain predevelopment peak runoff rates for the two2-year, 24-hour storm event (2.984 inches over 24-hour duration using the NRCS MSE4 storm distribution).

3. Maintain predevelopment peak runoff rates for the ten10-year, 24-hour storm event (4.209 inches over 24-hour duration using the NRCS MSE4 storm distribution).

4. Safely pass the Maintain predevelopment peak runoff rates for the 100-year, 24-hour storm event (6.066 inches over 24 -hours' duration using the NRCS MSE4 storm distribution).

(4) *Outlets.* Discharges from new construction sites must have a stable outlet capable of carrying designed flow as required in subsection (b)(3)b of this section, at a nonerosive velocity. Outlet design must consider flow capacity and flow duration. This requirement applies to both the site outlet and the ultimate outlet to stormwater conveyance or waterbody.

(5) *Infiltration.*

a. For both residential and nonresidential developments, design practices to infiltrate sufficient runoff volume so that post-development infiltration volume shall be at least 90 percent of the pre-development infiltration volume, based upon average annual rainfall.

b. The maximum runoff curve number (RCN) used in such calculations shall be those specified in subsection (b)(3)a Table 1.

c. If, when designing appropriate infiltration systems, more than two percent of the site is required to be used as effective infiltration area, the applicant may alternately design infiltration systems and pervious surfaces to meet or exceed the annual pre-development recharge rate. The annual pre-development recharge rate shall be determined from the Wisconsin Geological and Natural History Survey's 2009 report, *Groundwater Recharge in Dane County, Estimated by a GIS-Based Water-Balanced Model* or subsequent updates to this report, or by a site specific analysis using other appropriate techniques. If this alternative design approach is taken, at least two percent of the site must be used for infiltration.

d. *Pre-treatment.* Before infiltrating runoff, pre-treatment shall be required for parking lot runoff and for runoff from new road construction in commercial, industrial, and institutional areas that will enter an infiltration system. The pretreatment shall be designed to protect the infiltration system from clogging prior to scheduled maintenance and to protect groundwater quality.

e. *Prohibitions.* Notwithstanding subparagraphs a. through c., infiltration systems may not be installed in any of the following areas:

1. Areas associated with tier 1 industrial facilities identified in section NR 216.21(2)(a), Wis. Admin. Code, including storage, loading, rooftop and parking.

2. Storage and loading areas of tier 2 industrial facilities identified in section NR 216.21(2)(b), Wis. Admin. Code.

3. Fueling and vehicle maintenance areas.

4. Areas within 1,000 feet up gradient or within 100 feet down gradient of direct conduits to groundwater.

5. Separation distances. Infiltration practices shall be located so that the characteristics of the soil and the separation distance between the bottom of the infiltration system and the elevation of seasonal high groundwater or the top of bedrock are in accordance with Table 2:

Table 2. Separation Distances and Soil Characteristics

Source Area	Separation Distance	Soil Characteristics
Industrial, Commercial, Institutional Parking Lots and Roads	5 Feet or More	Filtering Layer

Residential Arterial Roads	5 Feet or More	Filtering Layer
Roofs Draining to Subsurface Infiltration Practices	1 Foot or More	Native or Engineered Soil with Particles Finer than Coarse Sand
Roofs Draining to Surface Infiltration Practices	Not Applicable	
All Other Impervious Source Areas	3 Feet or More	Filtering Layer

6. Areas with runoff from industrial, commercial and institutional parking lots, roads and residential arterial roads with less than five feet separation distance from the bottom of the infiltration system to the elevation of seasonal high groundwater or the top of bedrock.
7. Areas within 400 feet of a community water system well as specified in section NR 811.16(4), Wis. Admin. Code, or within the separation distances listed in s. NR 812.08 for any private well or non-community well for runoff infiltrated from commercial, industrial and institutional land uses or regional devices for residential development.
8. Areas where contaminants of concern, as defined in section NR 720.03(2), Wis. Admin. Code, are present in the soil through which infiltration will occur.

f. *Alternate use of runoff.* Where alternate uses of runoff are employed, such as for toilet flushing, laundry or irrigation, such alternate use shall be given equal credit toward the infiltration volume required by this section.

g. *Minimizing groundwater pollution.* According to ch. NR 151, Wis. Admin. Code, infiltration systems designed in accordance with this section shall, to the extent technically and economically feasible, minimize the level of pollutants infiltrating to groundwater and shall maintain compliance with the preventive action limit at a point of standards application in accordance with ch. NR 140, Wis. Admin. Code. However, if site-specific information indicates that compliance with the preventive action limit is not achievable, the infiltration system may not be installed or shall be modified to prevent infiltration to the maximum extent practicable.

h. *Exemptions.* Runoff from the following areas may be credited toward meeting the requirement when infiltrated, and/or infiltration practices located in the following areas may be credited under the following conditions, but the decision to infiltrate runoff from these source areas or under these conditions is optional:

1. Parking areas and access roads less than 5,000 square feet for commercial development.
2. Parking areas and access roads less than 5,000 square feet for industrial development not subject to the prohibitions in subparagraph e.
3. Except as provided under subsection (b)(1) of this Section, redevelopment post-construction sites.
4. Roads in commercial, industrial, and institutional land uses, and arterial roads.

5. Areas where the infiltration rate of the soil is less than .6 inches/hour measured at the bottom of the proposed infiltration system where the soil layer is not easily removed or manipulated.

(6) *Thermal control.* The stormwater management plan shall include provisions and practices to reduce the temperature of runoff for sites located within the watershed of a river or stream identified by the Wisconsin Department of Natural Resources as:

a. A cold water community as identified through NR 102.04(3)(a), NR104, Wis. Admin. Code, and Class I, Class II, and Class III trout streams identified in "Wisconsin Trout Streams," DNR publication PUB-FH-806-2002 or its successor.

b. Rivers or streams proposed by the Wisconsin state department of natural resources as cold water communities and Class I, II, and III trout streams.

(7) *Thermal control continued.* The stormwater management plan does not have to meet the requirement in subsection (b)(6) of this section if the applicant can justify by use of a model approved by the Dane County conservationist that practices are not necessary because the temperature increase of runoff from the site post-development will be zero.

(8) *Thermal control continued.* A current list and maps of affected watersheds shall be available for reference at the office of the local approval authority and/or the plan review agency.

(9) *Protective areas performance standard.*

a. *Definition.* In this section, "protective area" means an area of land that commences at the top of the channel of lakes, streams and rivers, or at the delineated boundary of wetlands, and that is the greatest of the following widths, as measured horizontally from the top of the channel or delineated wetland boundary to the closest impervious surface. However, in this section, "protective area" does not include any area of land adjacent to any stream enclosed within a pipe or culvert, so that runoff cannot enter the enclosure at this location.

1. For outstanding resource waters and exceptional resource waters, 75 feet.

2. For perennial and intermittent streams identified on a U.S. geological survey 7.5-minute series topographic map, or a county soil survey map, whichever is more current, 50 feet.

3. For lakes, 50 feet.

4. For wetlands not subject to par. 5. or 6., 50 feet.

5. For highly susceptible wetlands, 75 feet. Highly susceptible wetlands include the following types: calcareous fens, sedge meadows, open and coniferous bogs, low prairies, coniferous swamps, lowland hardwood swamps, and ephemeral ponds.

Note: Information on wetland types, including ephemeral ponds, is available at (608) 266-7012.

6. For less susceptible wetlands, 10 percent of the average wetland width, but no less than 10 feet nor more than 30 feet. Less susceptible wetlands include: degraded wetlands dominated by invasive species such as reed canary grass; cultivated hydric soils; and any gravel pits, or dredged material or fill material disposal sites that take on the attributes of a wetland.

7. In pars. 4. to 6., determinations of the extent of the protective area adjacent to wetlands shall be made on the basis of the sensitivity and runoff susceptibility of the wetland in accordance with the standards and criteria in s. NR 103.03.

8. Wetland boundary delineation shall be made in accordance with s. NR 103.08 (lm). This paragraph does not apply to wetlands that have been completely filled in compliance with all applicable state and federal regulations. The protective area for wetlands that have been partially filled in compliance with all applicable state and federal regulations shall be measured from the wetland boundary delineation after fill has been placed. Where there is a legally authorized wetland fill, the protective area standard need not be met in that location.

9. For concentrated flow channels with drainage areas greater than 130 acres, 10 feet.

10. Notwithstanding pars. 1. to 9., the greatest protective area width shall apply where rivers, streams, lakes, and wetlands are contiguous.

Note: A stream or lake is not eligible for a lower protective area width even if contiguous to a less susceptible wetland.

b. *Applicability.* This section applies to post-construction sites located within a protective area, except those areas exempted pursuant to sub. d.

c. *Requirements.* The following requirements shall be met:

1. Impervious surfaces shall be kept out of the protective area entirely or to the maximum extent practicable. If there is no practical alternative to locating an impervious surface in the protective area, the storm water management plan shall contain a written site-specific explanation.

2. Where land disturbing construction activity occurs within a protective area, adequate sod or self-sustaining vegetative cover of 70 percent or greater shall be established and maintained where no impervious surface is present. The adequate sod or self-sustaining vegetative cover shall be sufficient to provide for bank stability, maintenance of fish habitat, and filtering of pollutants from upslope overland flow areas under sheet flow conditions. Non-vegetative materials such as rock riprap, may be employed on the bank as necessary to prevent erosion such as on steep slopes or where high velocity flows occur.

Note: It is recommended that seeding of non-invasive vegetative cover be used in the protective areas. Some invasive plants are listed in ch. NR 40. Vegetation that is flood and drought tolerant and can provide long-term bank stability because of an extensive root system is preferable. Vegetative cover may be measured using the line transect method described in the University of Wisconsin extension publication number A3533, titled "Estimating Residue Using the Line Transect Method".

3. Best management practices such as filter strips, swales, or wet detention ponds, that are designed to control pollutants from non-point sources, may be located in the protective area.

Note: Other laws, such as ch. 30, WI Stats., and chs. NR 103, 115, 116, and 117 and their associated review and approval processes may apply in the protective area.

d. *Exemptions.* This section does not apply to any of the following:

1. Except as provided under s. subsection (b)1. of this Section, redevelopment post-construction sites.

2. In-fill development areas less than 5 acres.

3. Structures that cross or access surface waters such as boat landings, bridges, and culverts.

4. Structures constructed in accordance with s. 59.692 (lv), Stats.

5. Areas of post-construction sites from which the runoff does not enter the surface water, including wetlands, without first being treated by a BMP to meet the requirements of ss. NR 151.122 to 151.123, except to the extent that vegetative ground cover is necessary to maintain bank stability.

Note: A vegetated protective area to filter runoff pollutants from post-construction sites described in par. 5. is not necessary since the runoff at that location is treated prior to entering the surface water. Other practices necessary to meet the requirements of this section, such as a swale or pond, will need to be designed and implemented to reduce runoff pollutants prior to runoff entering a surface water of the state. The requirements of ch. NR 103 still apply and should be considered before runoff is diverted to or from a wetland.

(c) *Stormwater management goals.* The following standards shall be met whenever possible, and proposed design, suggested location and implementation of practices to meet these goals shall be included in plans:

(1) For existing development, design practices to retain soil particles greater than 40 microns on the site (20 percent reduction) resulting from a one-year 24-hour storm event, according to approved procedures, and assuming no sediment resuspension.

(2) For street reconstruction, design practices to retain soil particles greater than 20 microns on the site (40 percent reduction) resulting from a one-year 24-hour storm event, according to approved procedures, and assuming no sediment resuspension.

(Code 1986, § 20.10; Ord. No. 0-21-06, § 1, 5-9-2006; Ord. No. 0-01-07, § 1, 1-9-2007; Ord. No. 0-18-2013, § 4, 8-13-2013)

Sec. 10-132. - Off-site stormwater management.

Off-site stormwater management is allowed, provided that provisions are made to manage stormwater by an off-site facility, and provided that all of the following conditions for the off-site facility are met:

(1) The facility is in place;

(2) The facility is designed and adequately sized to provide a level of stormwater control that at least meets the requirement standards of this ordinance; and

(3) The local approval authority is satisfied that the facility has a legally obligated entity responsible for its long-term operation and maintenance.

(Code 1986, § 20.11; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-133. - Technical standards and specifications.

The design of all best management practices designed to meet the requirements of this article shall comply with the following technical standards:

(1) Natural Resources Conservation Service's "Wisconsin Field Office Technical Guide, Chapter 4" or its successor.

(2) Applicable construction or erosion control or stormwater management standards by the Wisconsin Department of Natural Resources;

(3) Any other technical methodology approved by the Dane County conservationist.

(Code 1986, § 20.12; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-134. - Appeals and variances.

(a) *Appeals.*

(1) Any person aggrieved by any decision of the local approval authority pursuant to this article may appeal to the public works committee. Such appeal shall be taken within 30 days after the challenged decision. Notice of appeal setting forth the specific grounds for the appeal shall be filed with the local approval authority and the city clerk. The zoning administrator shall provide to the public works committee the record upon which the action appealed from was taken.

(2) The public works committee shall fix a reasonable time for the hearing of the appeal and publish a class 2 notice thereof under Wis. Stats. ch. 985, as well as give due notice to the parties in interest, and decide the appeal within a reasonable time. Upon the hearing, any party may appear in person or by agent or attorney.

(3) The public works committee may, in conformity with the provisions of this article, reverse or affirm, wholly or partly, or modify the order, requirement, decision or determination appealed from and may make such order, requirement, decision or determination as ought to be made and shall have all the powers of the officer from whom the appeal is taken.

(4) The concurring vote of a majority of the public works committee shall be necessary to reverse the decision of the local approval authority.

(b) *Variances.*

(1) An applicant may include in the application a request for a variance from the requirements of section 10-130 or section 10-131. No variance shall be granted unless the applicant demonstrates and the local approval authority, after consultation with the Dane County conservationist, finds that all of the following conditions are present:

a. Enforcement of the standards set forth in this article will result in unnecessary hardship to the landowner;

b. The hardship is due to exceptional physical conditions unique to the property;

c. Granting the variance will not adversely affect the public health, safety or welfare, nor be contrary to the spirit, purpose and intent of this article;

d. The project will have no impact upon any of the stated purposes as set forth in section 10-123;

e. The applicant has proposed an alternative to the requirement from which the variance is sought that will provide equivalent protection of the public health, safety and welfare, the environment and public and private property;

f. The net cumulative effect of the variance will not impact downstream conditions; and

g. Existing regional facilities are shown to meet the performance standards of this article.

(2) If all of the conditions set forth in subsection (b)(1) of this section are met, a variance may only be granted to the minimum extent necessary to afford relief from the unnecessary hardship, with primary consideration to water quality and impact downstream conditions.

(3) A variance from the provisions of subsections 10-131(b)(1), (b)(2) and (b)(6) may only be granted if:

a. The applicant has met the requirements of subsection (b)(1) of this section; and

b. The applicant will be denied all reasonable and beneficial use of the property if the variance is denied.

(4) A person aggrieved by a variance determination by the local approval authority may appeal the decision to the public works committee pursuant to subsection (a) of this section.

(5) A person aggrieved by a decision of the public works committee regarding a variance may appeal that decision to the board of appeals.

(Code 1986, § 20.13; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-135. - Permit fees.

(a) The erosion control and stormwater management permit fee shall be $200.00.

(b) The fee for a preliminary review letter shall be $200.00. If a preliminary approval letter has been obtained, the erosion control and stormwater management base fee shall be waived.

(c) For sites required to obtain an erosion control permit under section 10-125, there shall be an additional fee of $0.004 per square foot of disturbed area.

(d) For sites required to obtain a stormwater control permit under section 10-126, there shall be an additional fee of $0.005 per square foot of impervious area and $0.0025 per square foot of redeveloped impervious area.

(e) The common council authorizes city administrative staff to modify the permit and fee amounts listed in this erosion control and stormwater management ordinance on January 1 of each year following the adoption of this article, based upon the CPI-U for the Midwest Region, size "d" as prepared by the Federal Department of Labor, so long as the cumulative interim percentage of inflation warrants an increase of $5.00 or more on a round dollar amount and an increase to the next whole cent on amounts expressed in hundredths of a dollar. These amounts may also be modified by future council action.

(f) *Late filing fee.* When an applicant or landowner begins work requiring a permit before obtaining the permit or appropriate approvals, the fees shall be doubled.

(Code 1986, § 20.14; Ord. No. 0-21-06, § 1, 5-9-2006)

Sec. 10-136. - Prohibited stormwater discharge and connection.

(a) *Purpose:* The purpose of this section is to provide for the health, safety, and general welfare of the citizens of the city and to protect waters of the state through the regulation of illicit discharges to the municipal separate storm sewer system as required by federal and state law. This section establishes methods for controlling the discharge of pollutants into the municipal separate storm sewer system owned or operated by the city in order to comply with the requirements of the Clean Water Act, Chapter 283.33, Wis. Stats., and the Wisconsin Pollutant Discharge Elimination System municipal storm water discharge permit program under Chapter NR 216, Wis. Adm. Code.

The objectives of this section are:

(1) To regulate the contribution of pollutants to the municipal separate storm sewer system associated with discharges from any user of the municipal storm sewer system.

(2) To prohibit illicit connections and discharges to the municipal separate storm sewer system.

(3) To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this section.

(b) *Definitions:* For the purposes of this section, the following definitions are applicable:

Authorized agency means employees or designees of the director or directors of the municipal agency or agencies of the city designated to administer or enforce this section.

Illicit connection means any drain or conveyance, whether on the surface or subsurface, which allows the discharge of sanitary waste to the municipal separate storm sewer and any connections to the municipal separate storm sewer system from indoor drains and sinks.

Illicit discharge means any discharge to the municipal separate storm sewer system that is not composed entirely of storm water except discharges with a Wisconsin Pollutant Discharge Elimination System permit or other discharges allowed locally.

Municipal separate storm sewer or MS4 means a conveyance or system of conveyances, including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets the following criteria:

a. Owned or operated by the City of Stoughton.

b. Designed or used for collecting or conveying stormwater.

c. Which is not a combined sewer conveying both sanitary wastewater and stormwater.

d. Which is not part of a publicly owned wastewater treatment works that provides secondary or more stringent treatment.

Non-stormwater discharge means any discharge to the municipal separate storm sewer system that is not composed entirely of stormwater.

Stormwater means surface runoff and drainage of rainfall and snow or ice melt.

Waters of the state means those portions of Lake Michigan and Lake Superior within the boundaries of Wisconsin, all lakes, bays, rivers, streams, springs, ponds, wells, impounding reservoirs, marshes, water courses, drainage systems and other surface water or groundwater, natural or artificial, public or private, within the state or under its jurisdiction, except those waters which are entirely confined and retained completely upon the property of a person.

(c) *Applicability and enforcement:* This section shall apply to all discharges to the MS4 and to all activities that can reasonably be expected to result in a discharge to the MS4. The city shall administer, implement, and enforce the provisions of this section. Any powers granted or duties imposed upon the authorized agency may be delegated in writing by the mayor to persons or entities acting in the beneficial interest of or in the employ of the city.

(d) *Minimum standards:* The standards set forth herein and promulgated pursuant to this section are minimum standards; therefore, this section does not intend nor imply that compliance by any person will ensure that there will be no contamination, or pollution, nor unauthorized discharges.

(e) *Discharge prohibitions:*

(1) *Prohibition of illicit discharges.* No person shall discharge or cause to be discharged into the MS4 or waters of the state located within the city any materials, including, but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater. The commencement, conduct or continuance of any illicit discharge to the MS4 is prohibited. The following non-stormwater discharges or flows are generally not considered illicit discharges if done in a non-polluting manner: water line flushing, landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool water, street wash water and fire fighting.

(2) *Prohibition of illicit connections.*

a. The construction, use maintenance or continued existence of illicit connections to the MS4 is prohibited.

b. This prohibition expressly includes, without limitation, the continued use of illicit connections made prior to the adoption of this section, regardless of whether the

connection was permissible under law or practices applicable or prevailing at the time of connection.

c. A person is considered to be in violation of this section if the person connects a line conveying sanitary waste to the MS4, or allows such a connection to continue.

(f) *Monitoring of discharges and access to facilities:* The authorized agency shall be permitted to enter and inspect private or public facilities, subject to regulation under this section, as often as may be necessary to determine compliance with this section. If a discharger has security measures in force which require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized agency.

(g) *Notification of spills:* Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation, has information of any known or suspected release of materials which are resulting or may result in illicit discharges or pollutants discharging into stormwater, the MS4, or water of the state, said person shall take all necessary steps to ensure the discovery, containment and cleanup of such release. In the event of such a release that includes hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release including only non-hazardous materials, said person shall notify the authorized agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the authorized agency within three business days of the phone notice.

(h) *Enforcement:* It shall be unlawful for any person to violate any provision of this section. Any person who fails to comply with the provisions of this section shall forfeit no less than $100.00 nor more than $500.00 and also pay fees and disbursements incurred in the prosecution of such violations. Each and every day during which a violation continues shall constitute a separate offense. The city may also institute appropriate action or proceedings to enjoin violations of this section.

(i) *Severability:* The provisions of this section are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this section or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this section.

(Ord. No. 0-23-08, § 1, 10-14-2008)

Secs. 10-137—10-160. - Reserved.

Dates
Council Adopted: 3/14/2017
Mayor Approved: 3/14/2017
Published: 3/23/2017
Attest: 3/14/2017

Tim Swadley
Acting Mayor, Tim Swadley

Lana Kropf
Lana Kropf, City Clerk

Attachment 8

Purpose

The City of Stoughton (City) has prepared the following Stormwater Pollution Prevention Plan (SWPPP) to provide the status of the City's Public Works/Parks Department building. This report is prepared in compliance with the conditions of the NR 216 permit pursuant to Part II, Section F.7, of Wisconsin Pollutant Discharge Elimination System (WPDES) Permit Issuance No. WI-S050075-2. This report provides information related to the daily operations and maintenance activities for the Public Works Department facility.

A. Site Location and Contact Information

Name of Facility:	Stoughton Public Works/Parks Department Building
Facility Address:	515 S 4th Street, Stoughton, WI 53589
Facility Contact:	Brett Hebert
Title:	Street Superintendent
Telephone:	(608) 873-6303

B. Air Photo/Map of the Yard

Attached Figure F-1 includes the following:

1. Locations of major activities and storage areas.
2. Identification of drainage patterns and potential stormwater runoff source and discharge areas.
3. Identification of any wetlands and/or waterways on-site or nearby.
4. Identification of Municipal Separate Storm Sewer System (MS4) connections and where this portion of the MS4 system drains.

C. Overview

This SWPPP covers the operations at the City of Stoughton's Public Works/Parks Department facility. This SWPPP describes the facility's and associated operations, identifies potential sources of stormwater pollution, recommends appropriate best management practices (BMPs) or pollution control measures to reduce the discharge of pollutants in stormwater runoff, and provides for periodic review of this SWPPP with the annual report. The Public Works Department has planned to move locations in 2018. The recommendations stated in this plan are intended to be incorporated into the design of the new site. If the move to the new location is delayed, the City should implement the recommendations herein at the current location.

The primary goal of the stormwater permit program is to improve the quality of surface waters in the City's MS4 by reducing the amount of pollutants potentially contained in the stormwater runoff. The purpose of this SWPPP is to provide the following:

1. Identification of potential sources of stormwater and non-stormwater contamination to the MS4 system from the facilities.
2. Identification of and recommendation of appropriate "source area control" BMPs designed to reduce or prevent stormwater contamination.
3. Identification of and recommendation of "stormwater treatment" BMPs to reduce potential pollutants within contaminated stormwater prior to discharging to the MS4 system and to Waters of the State.

D. Information

1. Inventory of Potential Sources of Contamination at the Public Works/Parks Department Facility

The following have been identified as potential sources of contamination at the Public Works/Parks facility.

a. Salt storage shed–The City's deicing and snow removal operations are described in Section 3.01 F. 4. and Table 3.01-2. The City applies salt to local roads to improve driving conditions. The salt is delivered in bulk to the site and loaded into the salt storage shed. The material is covered in the shed but is exposed to the elements during delivery.
b. Used oil- One 300 gallon aboveground plastic storage tank stores used motor oil. The waste oil tank is protected and enclosed within a steel structure. Waste oil is removed from the tank by a private contractor every eight to ten months.
c. Used oil filter container–Used oil filters are disposed of in a designated container. The oil filters are drained for one to two weeks and then disposed of by a licensed disposal company.
d. Exterior materials storage area–A number of materials are stored on the site in uncovered areas of the parking lot. These include stone aggregate, wood chips, steel street sign posts, cast iron castings, electronic recyclable equipment, and miscellaneous equipment.
e. Enclosed materials storage area–The Public Works Department Building is an enclosed facility with ten overhead doors for storing large equipment within the facility. Vehicle maintenance materials are also stored within the facility. These materials (shown in Table 1) are properly stored, used, and disposed of and are not a stormwater contamination threat.

Material	Quantity
New motor oil	One 55-gallon drum, One 150-gallon tank
Diesel fuel	One 250-gallon tank
Used motor oil	One 300-gallon tank
Hydraulic fluid	One 150-gallon tank, two 10-gallon tank
Hydraulic oil	One 55-gallon drum
Transmission fluid	One 10-gallon tank, One 55-gallon drum
Transmission oil	One 55-gallon drum
Antifreeze	One 55-gallon drum
Bar and chain saw oil	One 55-gallon drum
Used oil dry	One 55-gallon drum
Used antifreeze	One 55-gallon drum
Used oil filters	One 55-gallon drum container
Road striping paint	Varies, 10-12 gallons stored at a time (30-40 gallons per year)
Athletic field striping paint	10-gallon container
Diesel fuel additive	Two 5-gallon buckets
Diesel exhaust fluid	20 gallon
Hydraulic fluids	3 5-gallon buckets
Gear lubricant	One 30-gallon drum
Vehicles and equipment with fuel tanks	Eleven
Oil dry	One 55-gallon drum
Grease, lubricating	6 boxes
Brake cleaner	24 cans
Penetrating fluid	12 cans
Degreaser	One 5-gallon bucket
Roundup	10-gallon container
Sidewalk salt	20 bags depending on the winter season
Cleaning supplies	Varies, stored in closed cabinet
Gas cans	Varies, stored in closed fire proof cabinet

Table 1 Stoughton Public Works/Parks Department Materials Summary

Various materials require a Material Safety Data Sheet (MSDS) such as brake cleaner, solvents, and lubricants. A full list of these items along with their MSDS is available at this facility.

E. Recommendations to Prevent Polluted Runoff From Reaching Nearby Water Resources

Stormwater management controls or BMPs will be implemented to reduce the amount of pollutants associated with the Public Works/Parks Department facility from entering the City's MS4 from and reaching nearby water resources.

1. Source Area Control

To the maximum extent practicable and where cost-effective, source area control BMPs designed to prevent stormwater from becoming contaminated will be used.

a. Erosion Control Measures

Material storage areas prone to erosion shall be protected and the material prevented from entering the storm sewer and discharging from the site. Currently, the materials at the Public Works facility are stockpiled in a sloped

area that drains toward the Yahara River. Potential improvements are shown on Figure F-1 including perimeter sediment reduction devices (ie: silt sock).

b. Good Housekeeping

Good housekeeping practices are designed to maintain a clean and orderly work environment. This will reduce the potential for significant materials to come in contact with stormwater. The following practices are included in the Public Works Department's good housekeeping efforts.

1) Routine sweeping is done weekly in the Public Works Department Building garage area.
2) Oil dry is located in the Public Works Department Building and disposed of through a licensed disposal company.
3) Used oil rags are collected and stored in a specific steel container and disposed of through a licensed disposal company.
4) Used vehicle parts and scrap metal are recycled.
5) Oil filters are stored in a drum container inside the Public Works Department building and are removed by a licensed contractor on an as-needed basis.

c. Preventive Maintenance

Preventive maintenance involves the inspection, testing, and cleaning of facility equipment and operational systems before use. These inspections will help to uncover conditions that might lead to a release of materials. The following equipment/activities are included in the inspection schedule outlined in Section H.

1) Vehicles
2) Equipment
3) Catch basin sumps/oil separator

d. Spill Prevention and Response Procedures

Spills and leaks together are the largest source of stormwater pollution. Thus, this SWPPP specifies material handling procedures and storage requirements for significant materials. Equipment and procedures necessary for spill cleanup and prevention of spilled materials from being discharged have also been identified. All employees should be made aware of the proper procedures. The following procedures have been developed for spill response for the Public Works Department facility**.**

1) Emergency–dial 911 (Major spills are defined as an emergency condition and generally include hazardous materials).
2) Nonemergency–Utilize on-site materials to contain the spill and pick up (floor dry or oil sorb napkins). Dispose in an appropriate container and contact licensed contractor to remove from site.

e. Bulk Storage

At the Public Works Department facility, dry bulk storage is limited on the site. Salt is stored in a covered storage shed located on grass adjacent to the paved

parking lot. The State of Wisconsin inspects the storage shed annually. Bulk storage of various stone aggregates are stored uncovered in the Public Works Yard.

Liquid bulk storage at the Public Works Department site is utilized for used oil. Two 6,000 gallon silos located in the yard contain brine and a 1,000-gallon tank in the yard contains emulsion fluid. Tank containment is described in Section E (2) (c).

2. Stormwater Treatment Best Management Practices

Structural control measures may be necessary to control pollutants that are still present in the stormwater after the nonstructural controls have been implemented. These types of controls are physical features that control and prevent stormwater pollution. Structural controls can include a range of application such as preventive measures, collection structures, or stormwater treatment systems. Structural controls may require the construction of a physical feature or barrier.

a. Preventive Measures

Preventive measures are controls that are intended to prevent the exposure of stormwater to contaminants. The following preventive measures have been chosen for the Public Works Department facility.

(a) Perimeter sediment reduction devices (ie: silt sock) are recommended on the downhill side of external storage areas as shown on Figure F-1.

Figure F-2 Example of perimeter sediment reduction device

b. Diversions

Diversion structures (including grading and paving) are used to divert stormwater runoff away from high risk areas and prevent contaminants from coming in contact with stormwater runoff or to channel contaminated stormwater

to a treatment facility or containment area. Diversions are currently not identified as an appropriate control at the Public Works Department Building site.

c. Containment

Containment areas are structures designed to hold pollutants or contaminated stormwater runoff to prevent it from being discharged to nearby surface waters. Currently, the City's waste oil tank is protected and enclosed within a steel structure. Waste oil is removed from the tank by a private contractor as needed throughout the year.

The floors of the Public Works Department Building are sloped toward the center of the building where trench drains and catch basins collect potential contaminants within the facility. These catch basins contain water/oil separators and are connected to the sanitary sewer system to prevent these contaminants from reaching the storm sewer system. The catch basin structures located in the Public Works Department Building are cleaned three times a year by a licensed contractor. The Public Works Department facility is not equipped with a clear water or gray water plumbing system.

Vehicle washing operations are completed within buildings that drain to sanitary sewer or are washed at private vehicle washing companies in the City of Stoughton that have drains to sanitary sewer.

F. Suggested Retrofits to Current Stormwater Practices

No retrofits are currently recommended.

G. Installation/Implementation of Recommendations Timeline

It is recommended that the City Public Works/Parks Department implement the BMPs previously described and continue its current practices of preventing stormwater contamination from the site. Table 2 lists possible BMP activities and measurable goals the City may consider implementing.

Activity	Measurable Goal
Existing Public Works Department Building pollution prevention activities.	Continue to implement.
Install perimeter sediment control devices on downhill side of external storage areas as shown on Figure F-1.	Install by April 15, 2017.
Review existing spill prevention and response procedures for improvements	Document potential improvements in the March 31, 2017, MS4 annual report.
Review existing Public Works Department staff training for stormwater pollution prevention at the Public Works/Parks Department Building for improvements	Document potential improvements in the March 31, 2017, MS4 annual report. Provide training annually on stormwater pollution prevention.

Table 2 Public Works/Parks Department Building BMP Activities and Installation/Implementation Schedule

H. Inspection Frequency

Table 3 provides the current inspection schedule implemented by Public Works Department staff. It is recommended that all items are inspected a minimum of two times a year supplemented with a full inspection of the Public Works/Parks Department Building yard once a year.

Facility/Potential Source of Contamination	Inspection Frequency
Salt storage shed	Inspected annually by State.
Drain oil and used oil	Inspect regularly.
Used oil filter container	Disposal by licensed contractor. Inspect regularly.
Public Works/Parks Department Building	Inspect regularly.
Vehicles	Wash vehicles indoors in areas that drain to sanitary sewer.
Equipment	As needed.
Catch basin sumps	Clean three times a year.
Various bulk liquid storage containers	Inspect regularly.

Table 3 Public Works/Parks Department Building Inspection Frequency Schedule

I. Employee Training

The City's Public Works/Parks Department employees receive instruction for good housekeeping procedures, material storage techniques, and related topics. It is recommended employees receive training on an annual basis for spill prevention and response procedures, erosion control, and winter road maintenance, illicit discharge detection and reporting, and stormwater management practices. The City should review this existing program and consider improvements.

J. Spills Prevention Plan and Response Procedures

The City of Stoughton has a Spills Prevention Program. The existing program provides procedures to prevent, contain, and respond to spills that may discharge into the MS4 and downstream receiving waters. The City should review this program and consider improvements constituting an updated Spills Prevention Program in the following areas.

1. Purpose
2. Contact Information
3. Spills Prevention
4. Spill Containment

Public Works/Parks Department Facility

Front of Public Works/Parks Department Building

Public Works Department Garage and Heavy Vehicle Storage

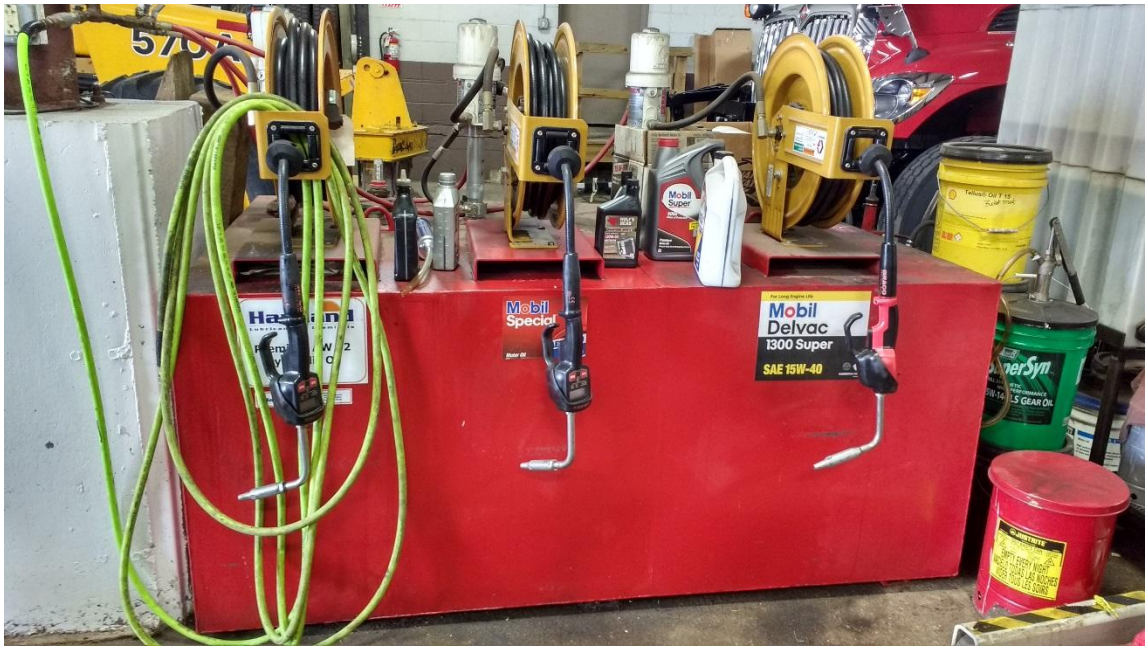
Cold Mix Stored in the Public Woks Garage

Public Works Garage Floor Drain and Catch Basin Sump with an Oil Separator

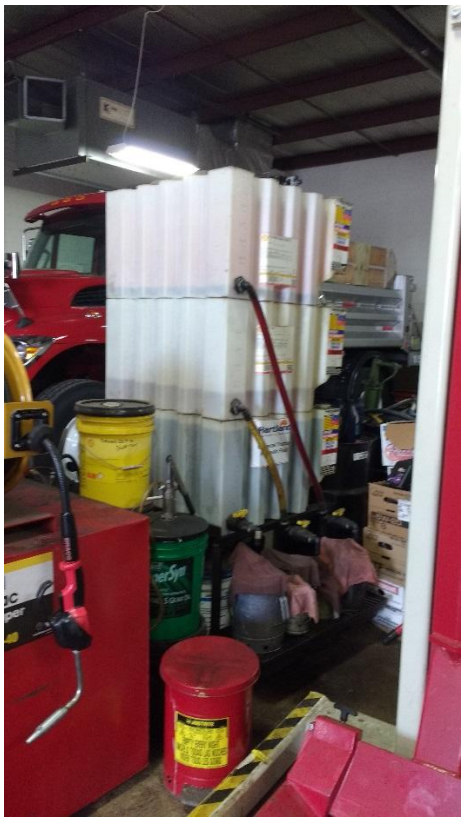
Brine Storage

Waste Oil Storage

Hydraulic Fluid Storage



Vehicle Fuel Storage



Transmission and Hydraulic Fluid Storage

Various Vehicle Fluids Storage

Salt Storage Shed

Cold Storage Building

Emulsion Storage Tank

Cast Iron Casting Storage

Stone Aggregate Storage behind Garage

Miscellaneous Recyclables Storage Area

Stone Aggregate Storage

Stone Aggregate Storage

Salt/Sand Mixture Storage

Wood Chips Storage

Key Notes Legend	
No.	Description
1	Salt Storage Shed
2	Dumpsters
3	Miscellaneous Recyclables Storage
4	Brine Storage Silos
5	Cold Storage Building
6	Sand/Salt Mixture Storage
7	Wood Chips Storage
8	Cast Iron Castings Storage
9	Stone Aggregate
10	Crushed Granite
11	Crushed Stone Aggregate
12	Temporary Slurry Material
13	Pea Gravel
14	Miscellaneous Electronic Recyclables

Parcel Area	
Impervious Area	2.0 Ac
Pervious Area	0.2 Ac
Total	**2.2 Ac**

PUBLIC WORKS/PARKS DEPARTMENT BUILDING

STORMWATER POLLUTION PREVENTION PLAN
CITY OF STOUGHTON
DANE COUNTY, WISCONSIN

STRAND ASSOCIATES®

FIGURE F-1
1040.104

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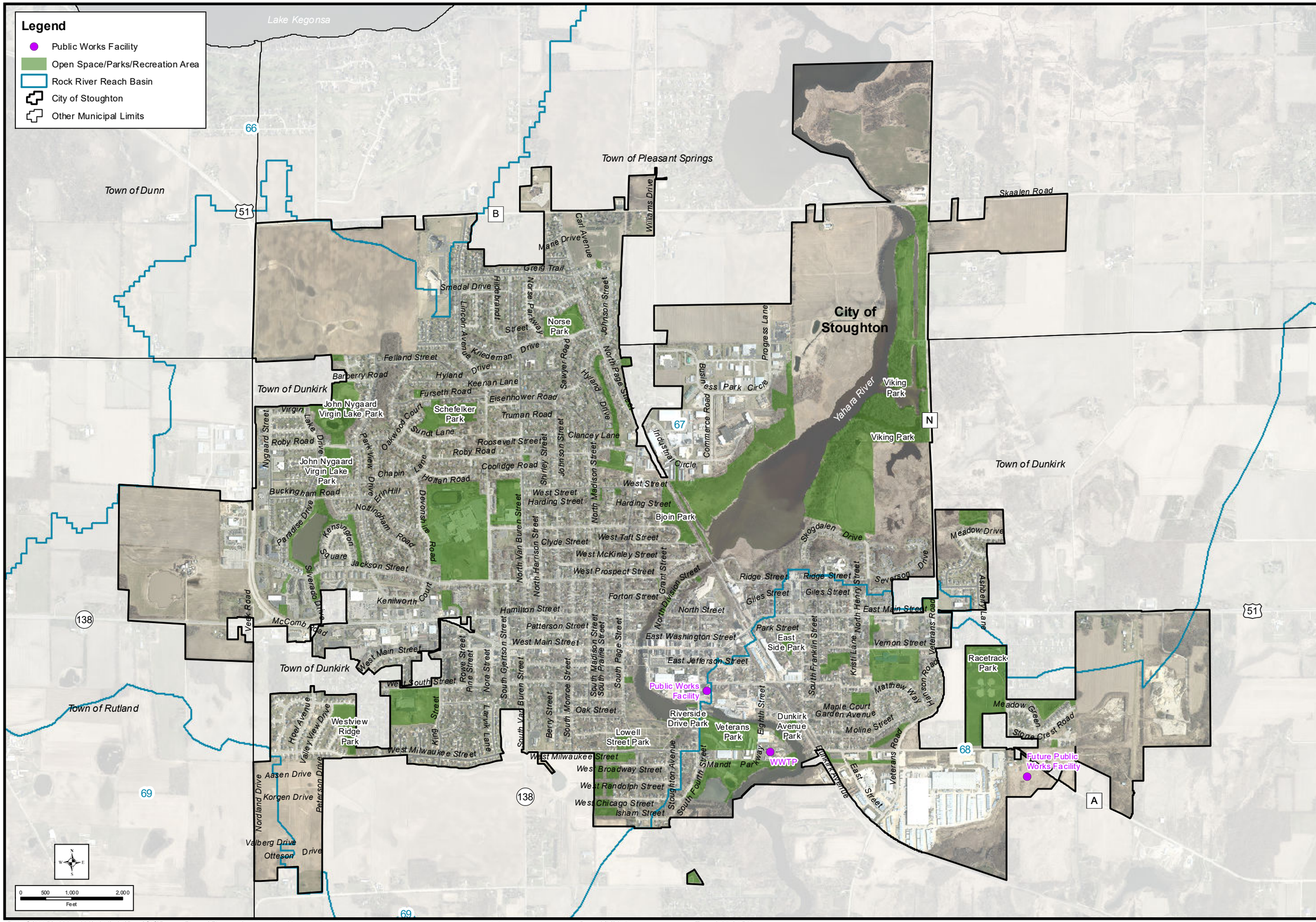
Attachment 9



LOCATION MAP

TMDL STORMWATER PLAN
CITY OF STOUGHTON
DANE COUNTY, WISCONSIN

STRAND ASSOCIATES®

FIGURE 1.01-1
1040.104

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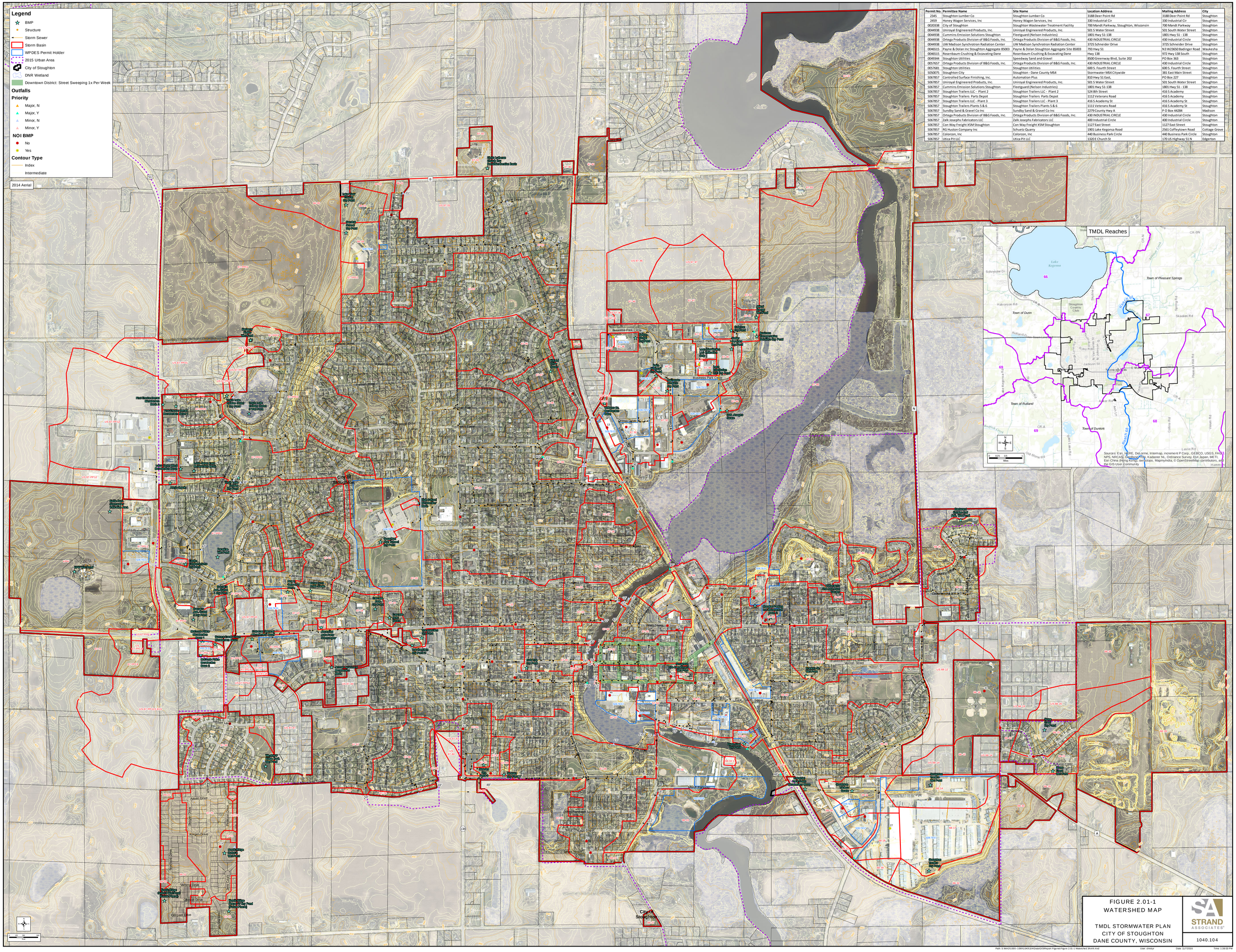

Permit No.	Permittee Name	Site Name	Location Address	Mailing Address	City
2345	Stoughton Lumber Co	Stoughton Lumber Co	3188 Deer Point Rd	3188 Deer Point Rd	Stoughton
2459	Honey Wagon Services, Inc	Honey Wagon Services, Inc	330 Industrial Cir	330 Industrial Cir	Stoughton
0020138	City of Stoughton	Stoughton Wastewater Treatment Facility	700 Mandt Parkway, Stoughton, Wisconsin	700 Mandt Parkway	Stoughton
0044938	Uniroyal Engineered Products, Inc.	Uniroyal Engineered Products, Inc.	501 S Water Street	501 South Water Street	Stoughton
0044938	Cummins Emission Solutions Stoughton	Fleetguard (Nelson Industries)	1801 Hwy 51-138	1801 Hwy 51 - 138	Stoughton
0044938	Ortega Products Division of B&G Foods, Inc.	Ortega Products Division of B&G Foods, Inc.	430 INDUSTRIAL CIRCLE	430 Industrial Circle	Stoughton
0044938	UW Madison Synchrotron Radiation Center	UW Madison Synchrotron Radiation Center	3725 Schneider Drive	3725 Schneider Drive	Stoughton
0046515	Payne & Dolan Inc Stoughton Aggregate 85003	Payne & Dolan Stoughton Aggregate Site 85003	793 Hwy 51	N3 W23650 Badinger Road	Waukesha
0046515	Rosenbaum Crushing & Excavating Dane	Rosenbaum Crushing & Excavating Dane	Hwy 138	972 Hwy 138 South	Stoughton
0049344	Stoughton Utilities	Speedway Sand and Gravel	8500 Greenway Blvd, Suite 202	PO Box 363	Stoughton
0057657	Ortega Products Division of B&G Foods, Inc.	Ortega Products Division of B&G Foods, Inc.	430 INDUSTRIAL CIRCLE	430 Industrial Circle	Stoughton
0057681	Stoughton Utilities	Stoughton Utilities	600 S. Fourth Street	600 S. Fourth Street	Stoughton
5050075	Stoughton City	Stoughton - Dane County MS4	Stormwater MS4 Citywide	381 East Main Street	Stoughton
5067857	Controlled Surface Finishing, Inc.	Automation Plus	810 Hwy 51 East,	PO Box 227	Stoughton
5067857	Uniroyal Engineered Products, Inc.	Uniroyal Engineered Products, Inc.	501 S Water Street	501 South Water Street	Stoughton
5067857	Cummins Emission Solutions Stoughton	Fleetguard (Nelson Industries)	1801 Hwy 51-138	1801 Hwy 51 - 138	Stoughton
5067857	Stoughton Trailers LLC - Plant 2	Stoughton Trailers LLC - Plant 2	524 8th Street	416 S Academy	Stoughton
5067857	Stoughton Trailers Parts Depot	Stoughton Trailers Parts Depot	1112 Veterans Road	416 S Academy	Stoughton
5067857	Stoughton Trailers LLC - Plant 3	Stoughton Trailers LLC - Plant 3	416 S Academy St	416 S Academy St	Stoughton
5067857	Stoughton Trailers Plants 5 & 6	Stoughton Trailers Plants 5 & 6	1111 Veterans Road	416 S Academy St	Stoughton
5067857	Sundby Sand & Gravel Co Inc	Sundby Sand & Gravel Co Inc	2279 County Hwy A	P O Box 44284	Madison
5067857	Ortega Products Division of B&G Foods, Inc.	Ortega Products Division of B&G Foods, Inc.	430 INDUSTRIAL CIRCLE	430 Industrial Circle	Stoughton
5067857	Zaik Josephs Fabricators LLC	Zaik Josephs Fabricators LLC	400 Industrial Circle	400 Industrial Circle	Stoughton
5067857	Con Way Freight XSM Stoughton	Con Way Freight XSM Stoughton	1127 East Street	1127 East Street	Stoughton
5067857	RG Huston Company Inc	Schuetz Quarry	1901 Lake Kegonsa Road	2561 Coffeytown Road	Cottage Grove
5067857	Colorcon, Inc	Colorcon, Inc	440 Business Park Circle	440 Business Park Circle	Stoughton
5067857	Utica Pit LLC	Utica Pit LLC	1320 E Church St	170 US Highway 51 N	Edgerton

FIGURE 2.01-1
WATERSHED MAP

TMDL STORMWATER PLAN
CITY OF STOUGHTON
DANE COUNTY, WISCONSIN

STRAND ASSOCIATES®

1040.104

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Attachment 10

Sec. 10-136. - Prohibited stormwater discharge and connection.

(a) *Purpose:* The purpose of this section is to provide for the health, safety, and general welfare of the citizens of the city and to protect waters of the state through the regulation of illicit discharges to the municipal separate storm sewer system as required by federal and state law. This section establishes methods for controlling the discharge of pollutants into the municipal separate storm sewer system owned or operated by the city in order to comply with the requirements of the Clean Water Act, Chapter 283.33, Wis. Stats., and the Wisconsin Pollutant Discharge Elimination System municipal storm water discharge permit program under Chapter NR 216, Wis. Adm. Code.

The objectives of this section are:

(1) To regulate the contribution of pollutants to the municipal separate storm sewer system associated with discharges from any user of the municipal storm sewer system.

(2) To prohibit illicit connections and discharges to the municipal separate storm sewer system.

(3) To establish legal authority to carry out all inspection, surveillance and monitoring procedures necessary to ensure compliance with this section.

(b) *Definitions:* For the purposes of this section, the following definitions are applicable:

Authorized agency means employees or designees of the director or directors of the municipal agency or agencies of the city designated to administer or enforce this section.

Illicit connection means any drain or conveyance, whether on the surface or subsurface, which allows the discharge of sanitary waste to the municipal separate storm sewer and any connections to the municipal separate storm sewer system from indoor drains and sinks.

Illicit discharge means any discharge to the municipal separate storm sewer system that is not composed entirely of storm water except discharges with a Wisconsin Pollutant Discharge Elimination System permit or other discharges allowed locally.

Municipal separate storm sewer or MS4 means a conveyance or system of conveyances, including roads with drainage systems, municipal streets, catch basins, curbs, gutters, ditches, constructed channels or storm drains, which meets the following criteria:

a. Owned or operated by the City of Stoughton.

b. Designed or used for collecting or conveying stormwater.

c. Which is not a combined sewer conveying both sanitary wastewater and stormwater.

d. Which is not part of a publicly owned wastewater treatment works that provides secondary or more stringent treatment.

Non-stormwater discharge means any discharge to the municipal separate storm sewer system that is not composed entirely of stormwater.

Stormwater means surface runoff and drainage of rainfall and snow or ice melt.

Waters of the state means those portions of Lake Michigan and Lake Superior within the boundaries of Wisconsin, all lakes, bays, rivers, streams, springs, ponds, wells, impounding reservoirs, marshes, water courses, drainage systems and other surface water or groundwater, natural or artificial, public or private, within the state or under its jurisdiction, except those waters which are entirely confined and retained completely upon the property of a person.

(c) *Applicability and enforcement:* This section shall apply to all discharges to the MS4 and to all activities that can reasonably be expected to result in a discharge to the MS4. The city shall administer, implement, and enforce the provisions of this section. Any powers granted or duties imposed upon the authorized agency may be delegated in writing by the mayor to persons or entities acting in the beneficial interest of or in the employ of the city.

(d) *Minimum standards:* The standards set forth herein and promulgated pursuant to this section are minimum standards; therefore, this section does not intend nor imply that compliance by any person will ensure that there will be no contamination, or pollution, nor unauthorized discharges.

(e) *Discharge prohibitions:*

(1) *Prohibition of illicit discharges.* No person shall discharge or cause to be discharged into the MS4 or waters of the state located within the city any materials, including, but not limited to pollutants or waters containing any pollutants that cause or contribute to a violation of applicable water quality standards, other than stormwater. The commencement, conduct or continuance of any illicit discharge to the MS4 is prohibited. The following non-stormwater discharges or flows are generally not considered illicit discharges if done in a non-polluting manner: water line flushing, landscape irrigation, diverted stream flows, uncontaminated groundwater infiltration, uncontaminated pumped groundwater, discharges from potable water sources, foundation drains, air conditioning condensation, irrigation water, lawn watering, individual residential car washing, flows from riparian habitats and wetlands, dechlorinated swimming pool water, street wash water and fire fighting.

(2) *Prohibition of illicit connections.*

a. The construction, use maintenance or continued existence of illicit connections to the MS4 is prohibited.

b. This prohibition expressly includes, without limitation, the continued use of illicit connections made prior to the adoption of this section, regardless of whether the connection was permissible under law or practices applicable or prevailing at the time of connection.

c. A person is considered to be in violation of this section if the person connects a line conveying sanitary waste to the MS4, or allows such a connection to continue.

(f) *Monitoring of discharges and access to facilities:* The authorized agency shall be permitted to enter and inspect private or public facilities, subject to regulation under this section, as often as may be necessary to determine compliance with this section. If a discharger has security measures in force which require proper identification and clearance before entry into its premises, the discharger shall make the necessary arrangements to allow access to representatives of the authorized agency.

(g) *Notification of spills:* Notwithstanding other requirements of law, as soon as any person responsible for a facility or operation, or responsible for emergency response for a facility or operation, has information of any known or suspected release of materials which are resulting or may result in illicit discharges or pollutants discharging into stormwater, the MS4, or water of the state, said person shall take all necessary steps to ensure the discovery, containment and cleanup of such release. In the event of such a release that includes hazardous materials, said person shall immediately notify emergency response agencies of the occurrence via emergency dispatch services. In the event of a release including only non-hazardous materials, said person shall notify the authorized agency in person or by phone or facsimile no later than the next business day. Notifications in person or by phone shall be confirmed by written notice addressed and mailed to the authorized agency within three business days of the phone notice.

(h) *Enforcement:* It shall be unlawful for any person to violate any provision of this section. Any person who fails to comply with the provisions of this section shall forfeit no less than $100.00 nor more than $500.00 and also pay fees and disbursements incurred in the prosecution of such violations. Each and every day during which a violation continues shall constitute a separate offense. The city may also institute appropriate action or proceedings to enjoin violations of this section.

(i) *Severability:* The provisions of this section are hereby declared to be severable. If any provision, clause, sentence, or paragraph of this section or the application thereof to any person, establishment, or circumstances shall be held invalid, such invalidity shall not affect the other provisions or application of this section.

Attachment 11

Sec. 58-8. - Public nuisances affecting health.

The following acts, omissions, places, conditions and things are specifically declared to be public health nuisances, but such enumeration shall not be construed to exclude other health nuisances coming within the definition of section 58-2:

(1) *Adulterated food.* All decayed, harmfully adulterated or unwholesome food or drink sold or offered for sale to the public.

(2) *Unburied carcasses.*

a. *Nonhuman consumption.* Carcasses of animals, birds or fowl not intended for human consumption or food which are not buried or otherwise disposed of in a sanitary manner within 24 hours after death.

b. *Human consumption.* Dead animal carcasses intended for human consumption shall be removed within 96 hours of hanging and, to the extent possible, the carcasses shall be hung in a manner to minimize public view.

(3) *Breeding places for vermin, etc.* Accumulations of decayed animal or vegetable matter, trash, rubbish, rotting lumber, bedding, packing material, scrap metal or any material whatsoever in which flies, mosquitoes, disease-carrying insects, rats or other vermin may breed.

(4) *Stagnant water.* All stagnant water in which mosquitoes, flies or other insects can multiply.

(5) *Privy vaults and garbage cans.* Privy vaults and garbage cans which are not flytight.

(6) *Noxious weeds.* All noxious weeds and other rank growth of vegetation. All grass and non-noxious weeds shall be maintained to a height not to exceed one foot. Undeveloped lots shall only be required to meet this requirement within ten feet of the street property lines (including terrace areas) and property lines of adjacent developed parcels. The exception to this requirement is natural lawns, which are designed and purposely cultivated to exceed one foot in height and specifically include common species of grasses and wild flowers native to North America.

(7) *Water pollution.* The pollution of any public well or cistern, stream, lake, canal or other body of water by sewage, creamery or industrial wastes or other substances.

(8) *Noxious odors, etc.* Any use of property, substances or things within the city emitting or causing any foul, offensive, noisome, nauseous, noxious or disagreeable odors, gases, effluvia or stenches extremely repulsive to the physical senses of ordinary persons which annoy, discomfort, injure or inconvenience the health of any appreciable number of persons within the city.

(9) *Street pollution.* Any use of property which shall cause any nauseous or unwholesome liquid or substance to flow into or upon any street, gutter, alley, sidewalk or public place within the city.

(10) *Storage of junk, etc.* The open storage of junk, refuse, litter, garbage and scrap or waste matter.

(11) Reserved.

(12) *Animal defecation.* All excreted animal feces which is not removed immediately and properly disposed of by burial or other suitable sanitary means by the person owning or having control of such animal.

(Code 1986, § 10.03; Ord. No. 0-20-10, § 1, 11-9-2010; Ord. No. 0-11-2013, 6-11-2013)

Attachment 12

Yahara WINs
(Yahara Watershed Improvement Network)

2016 Yahara WINs Phosphorus Reducing Grant - Application

1. Organization City of Stoughton

2. Project description: Stabilization and restoration of Yahara R. stream bank in Division Street Park. The bank has been eroding for years and is steep and unstable. It will be cut back and a stone toe, erosion control blanket, and native vegetation planted. This will improve canoe and kayak access to the river and aesthetics, while reducing phosphorus and TSS load.

3. Project Location: Division Street Park south of Forton St., Stoughton. (see attached Park description)

4. Will the project be completed by December 31, 2016? Yes ✓ No____

5. Will the project be completed by December 31, 2017? Yes____ No____

6. **Total dollars requested:** $15,000 **dollars**

7. **Total pounds of phosphorus reduced per year:** 32 **lbs.**

8. **Project life?** 20 **Years (for grant purposes, the maximum project life is 20-years).**

9. **Total pounds of phosphorus reduced over project life?** 640 **lbs**

10. **Project Funding**

	Cost
1. Total project cost	$51,000
2. Total from guaranteed sources	$36,000 or more
3. Total from other potential sources	—
4. Total requested from Yahara WINs	$15,000

Funding sources from Row 2: City of Stoughton

Possible funding sources from Row 3: None known.

11. Method(s) used to calculate and verify phosphorus reductions: From studies in Sparta and for Clean Lakes Alliance, bank erosion = 0.08 to 0.15 lb P/LF/year. Project is 400 LF. 0.08 x 400 = 32 lbs P/year. This will be verified by soil sampling and analysis during construction, and bank recession rates via aerial photos.

12. Is this project a new or expanded project? New ✓ Expanded____

If this is an expanded effort, how does this effort exceed existing efforts?

Division Street Park

Division Street Park .7 acres

Division Street Park

Located in the center of the city two blocks north of Main Street on North Division Street. This park has frontage on the Yahara River. A picturesque, passive park, this park offers park benches and large flower boxes. This park is heavily used during Syttende Mai, for the canoe race portage, city band concert, and other activities. This park also houses the boats and canoes for our canoe rental program. Fishing, sight-seeing, canoeing and picnicking are common activities at this park. Geese have made this park their year round home.

Mapquest Link

13. Have required permits been obtained for this project? Yes___ No ✓
If no, what is the anticipated date of the last permit needed to complete the project? 6/15/16

14. Would you accept partial funding? Yes ✓ No____

15. Project contact information:
   a. Name Bob Kardasz
   b. Municipality or organization City of Stoughton
   c. Email address rkardasz@stoughtonutilities.com
   d. Telephone number 608-877-7423

Certification: The person noted below certifies that the information contained in this application is true and correct to the best of his/her knowledge. As a participant in a pilot project, the person noted below understands that the review committee reserves the right to work with applicants to develop a clearer understanding of the projects as well as cost opinions and projected phosphorus reductions.

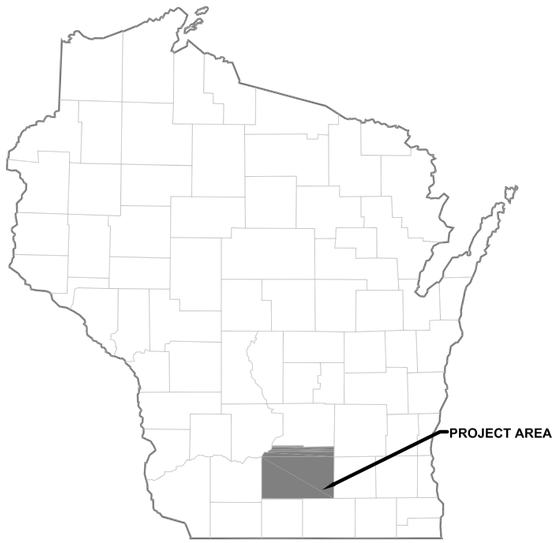
Responsible Party: Donna L. Olson, Mayor (Printed Name) Donna Olson (Signature)

Return completed applications by April 29, 2016 to Kathy Lake, kathyl@madsewer.org. Please include the email subject line, "Proposal for 2016 Yahara WINs Grant."

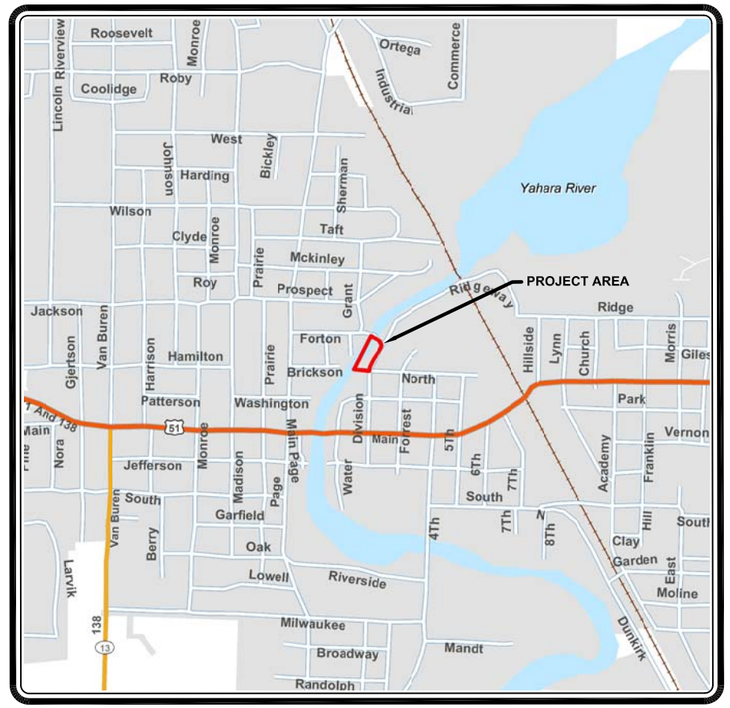
Additional Information or continuation of previous answers (attach additional pages as needed):

Please see attached drawings entitled "Yahara River Stream Stabilization Project, City of Stoughton" February 2016.

Yahara River
STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
FEBRUARY 2016



STATE MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

DIGGERS HOTLINE
Toll Free (800) 242-8511
Milwaukee Area (414) 259-1181
Hearing Impaired TDD (800) 542-2289
www.DiggersHotline.com

SITE MAP
NOT TO SCALE

SHEET INDEX

Sheet Number	Description
1	Project Location and Sheet Index
2	Existing Conditions
3	Proposed Conditions
4	Details
5	Erosion Control / Planting Plan

Cardno
6140 COTTONWOOD DRIVE SUITE A
FITCHBURG, WI 53562
Phone 608-661-2955 Fax 608-661-2961
www.cardno.com

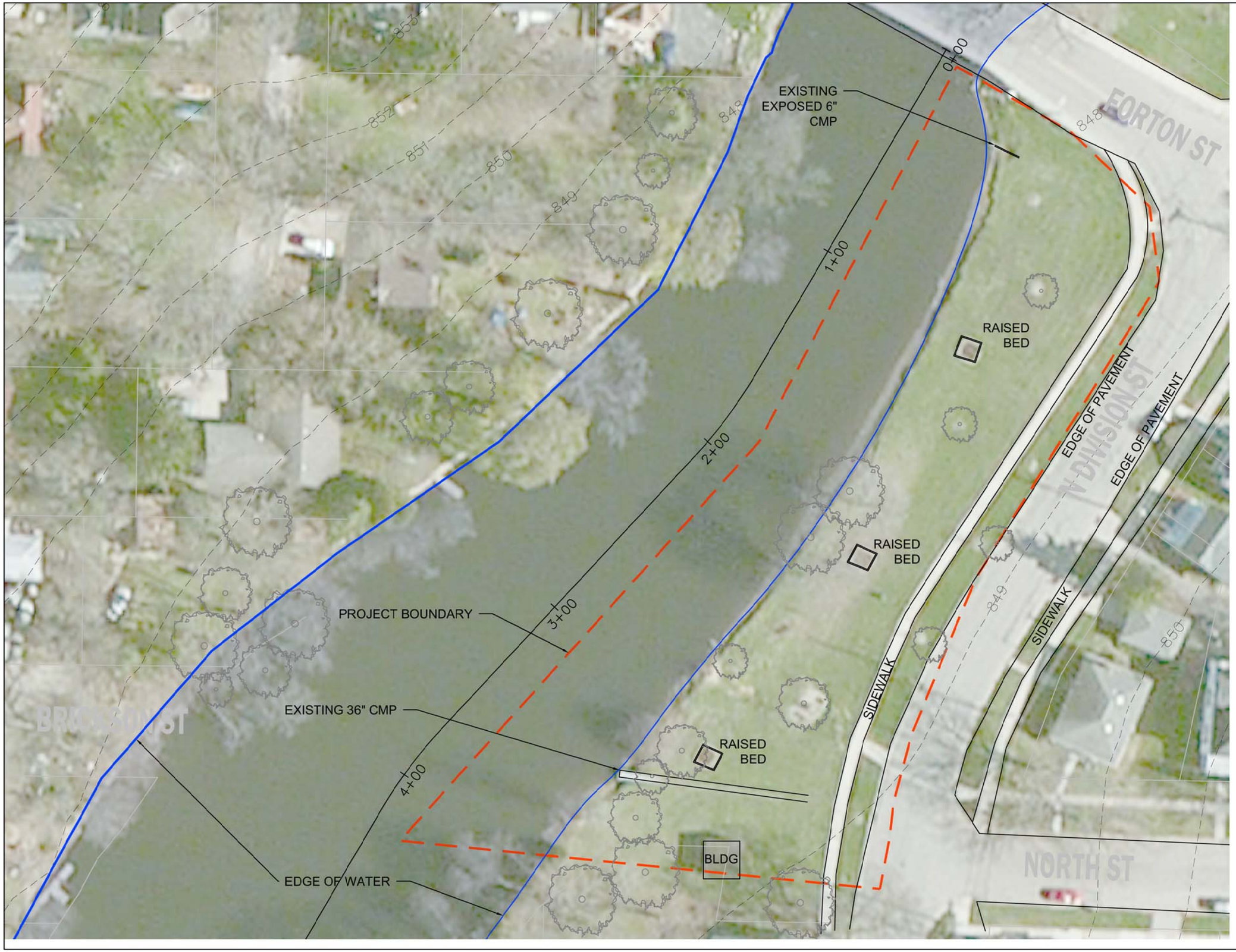
REVISION

PROJECT LOCATION AND SHEET INDEX
YAHARA RIVER STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
STOUGHTON, DANE COUNTY, WISCONSIN

DRAWN BY:	COD
DESIGNED BY:	ACS
DATE:	FEBRUARY 2016
JOB NO:	140201901

INITIAL DESIGN

DRAWING NO.
1
OF 6



SITE MAP

0 20'

SCALE IN FEET

LEGEND

PROJECT BOUNDARY

EDGE OF WATER

EXISTING GRADE

EXISTING TREE

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REVISION

EXISTING CONDITIONS
YAHARA RIVER STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
STOUGHTON, DANE COUNTY, WISCONSIN

DRAWN BY:	COD
DESIGNED BY:	ACS
DATE:	FEBRUARY 2016
JOB NO:	140201901

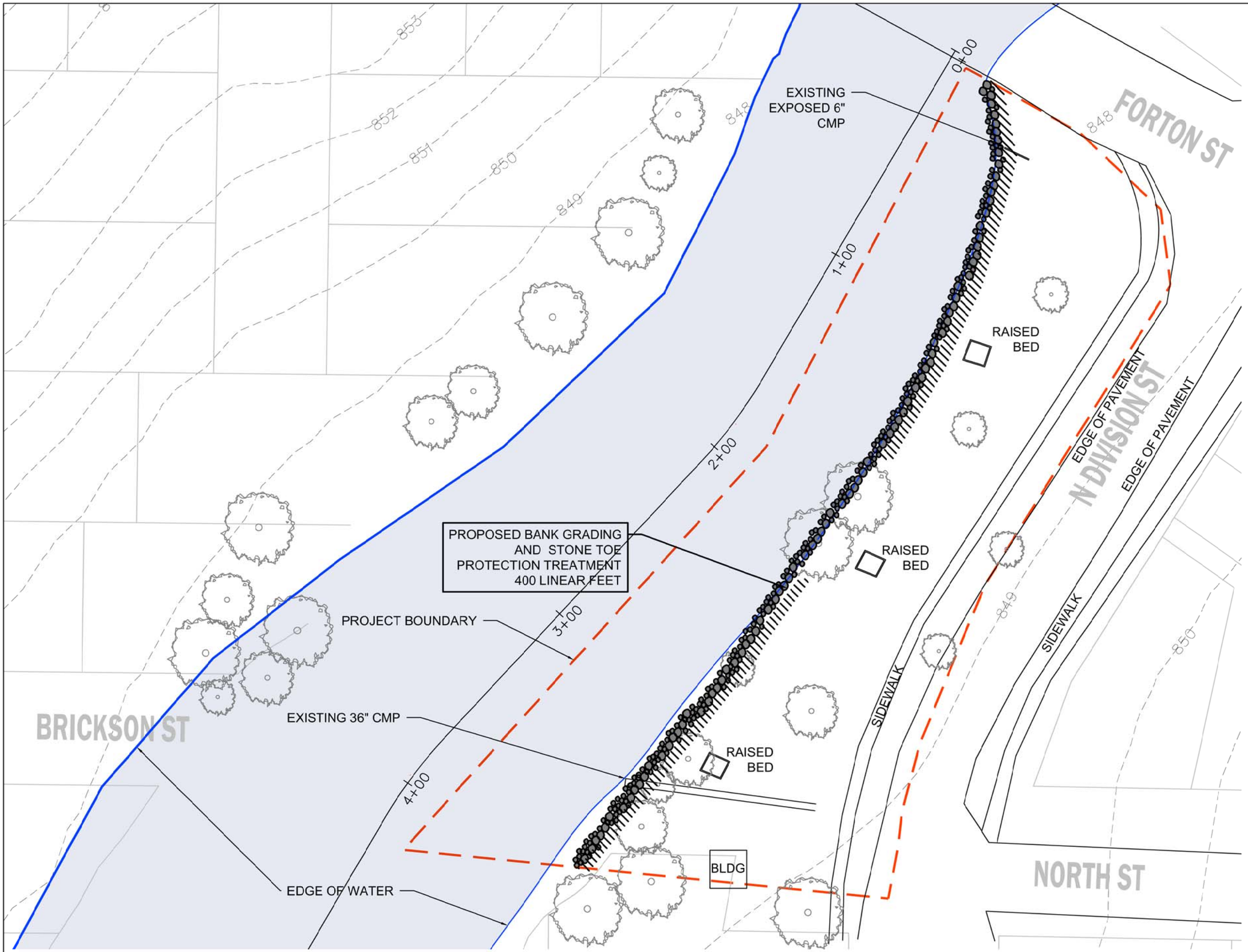
DRAFT

DRAWING NO.

2

OF 5

INITIAL DESIGN



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REVISION

PROPOSED CONDITIONS
YAHARA RIVER STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
STOUGHTON, DANE COUNTY, WISCONSIN

DRAWN BY:	COD
DESIGNED BY:	ACS
DATE:	FEBRUARY 2016
JOB NO:	140201901

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DRAWING NO.

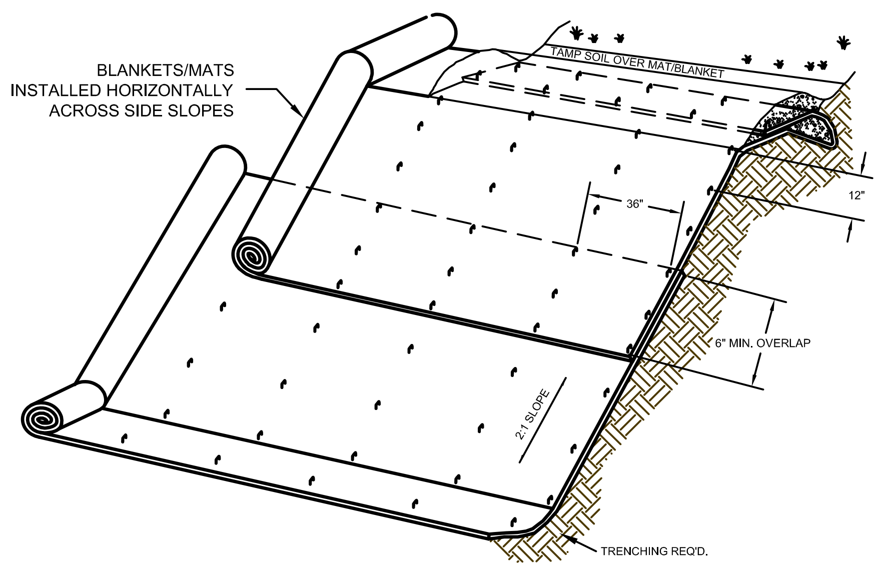
3

OF 5

INITIAL DESIGN

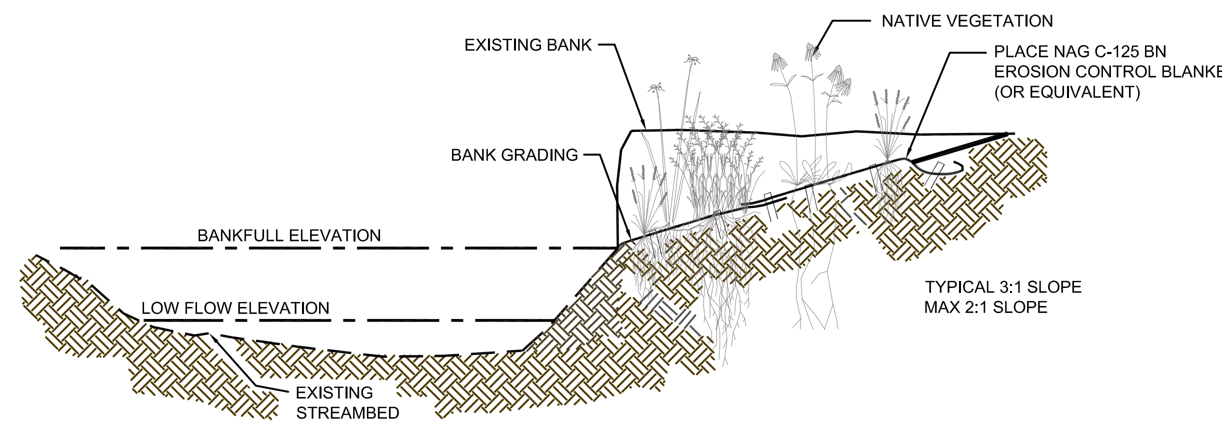
EROSION CONTROL BLANKET NOTES

1. Work shall be completed at periods of low flow.
2. All equipment working in and around the stream channel shall be free of fluid leaks.
3. Care shall be taken to minimize equipment access to stream channel and riparian areas to prevent unnecessary damage or impacts.
4. All materials shall be inspected prior to installation and free of any damage or defects.
5. Stream bank areas shall be stabilized immediately following rootwad installation. Slope areas shall be installed after stabilization of the streambank.
6. Clear vegetation and grade existing steep upper edges of slope to a minimum 2:1 slope or flatter.
7. Seed slope area using Slope Stablilization Seed Mix specified.
8. Install NAG C-125BN or equivalent (coir based, long-term) in all sandy areas requiring erosion control blanketing.



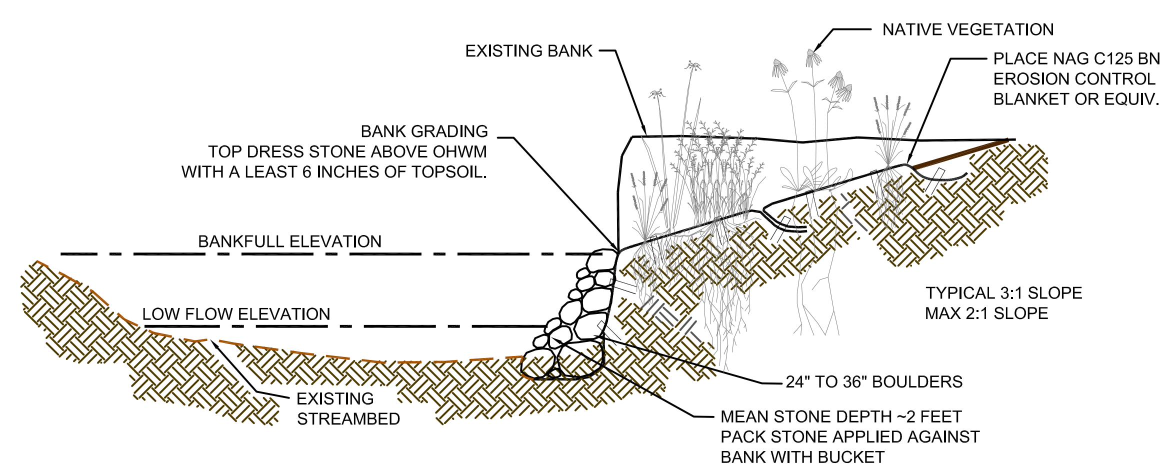
TYPICAL EROSION CONTROL BLANKET INSTALLATION

NOT TO SCALE



BANK GRADING TREATMENT

NOT TO SCALE



BANK GRADING AND STONE TOE INSTALLATION PROTECTION TREATMENT

NOT TO SCALE

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REVISION

DETAILS

YAHARA RIVER STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
STOUGHTON, DANE COUNTY, WISCONSIN

DRAWN BY:	COD
DESIGNED BY:	ACS
DATE:	FEBRUARY 2016
JOB NO:	140201901

DRAFT

INITIAL DESIGN

DRAWING NO.

4

OF 5

Location: R:\Projects\14\1402\1402019_CityofStoughtonWI_YaharaRiverStreambankStabilization\01_YaharaRiver2015\CAD\20160203_Stougton_Design_todate.dwg
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Last Saved By:christine.dittmar, 2/3/2016 3:13:49 PM
Plotted By:Christine Dittmar Plotted:February 3, 2016, 3:14:01 PM

Erosion and Sediment Control Notes:

Erosion control measures shown on these plans shall be initiated to prevent the transport of sediment from construction activities. If field inspections show these measures are unable to confine sediment to the project site, appropriate modifications will be made. All provisions of local and/or state erosion and sediment control regulations shall apply to this project.

1. Sufficient oil and grease absorbing materials and flotation booms shall be maintained on site or readily available to contain and clean-up fuel or chemical spills and leaks.

2. Dust on the site shall be controlled. The use of motor oils and other petroleum based or toxic liquids for dust suppression operation is prohibited.

3. Rubbish, trash, garbage, litter, or other such materials shall be deposited into sealed containers. Materials shall be prevented from leaving the premises through the action of wind or stormwater discharge ditches or waters of the state.

4. All points of construction ingress and egress shall be protected by a temporary construction entrance to prevent tracking of mud onto public right-of-ways. Where sediment is transported onto a public road surface, the road shall be thoroughly cleaned at the end of each day.

5. Periodic inspections of the erosion control measures shall be made to assess their conditions. Any necessary repairs or cleanup to maintain the effectiveness of the erosion control devices shall be made immediately.

6. Sediment control measures may require minor field adjustments at time of construction to ensure their intended purpose is accomplished.

7. Surface flows over cut and fill slopes shall be controlled by re-directing flows from flowing over the exposed slopes without causing erosion.

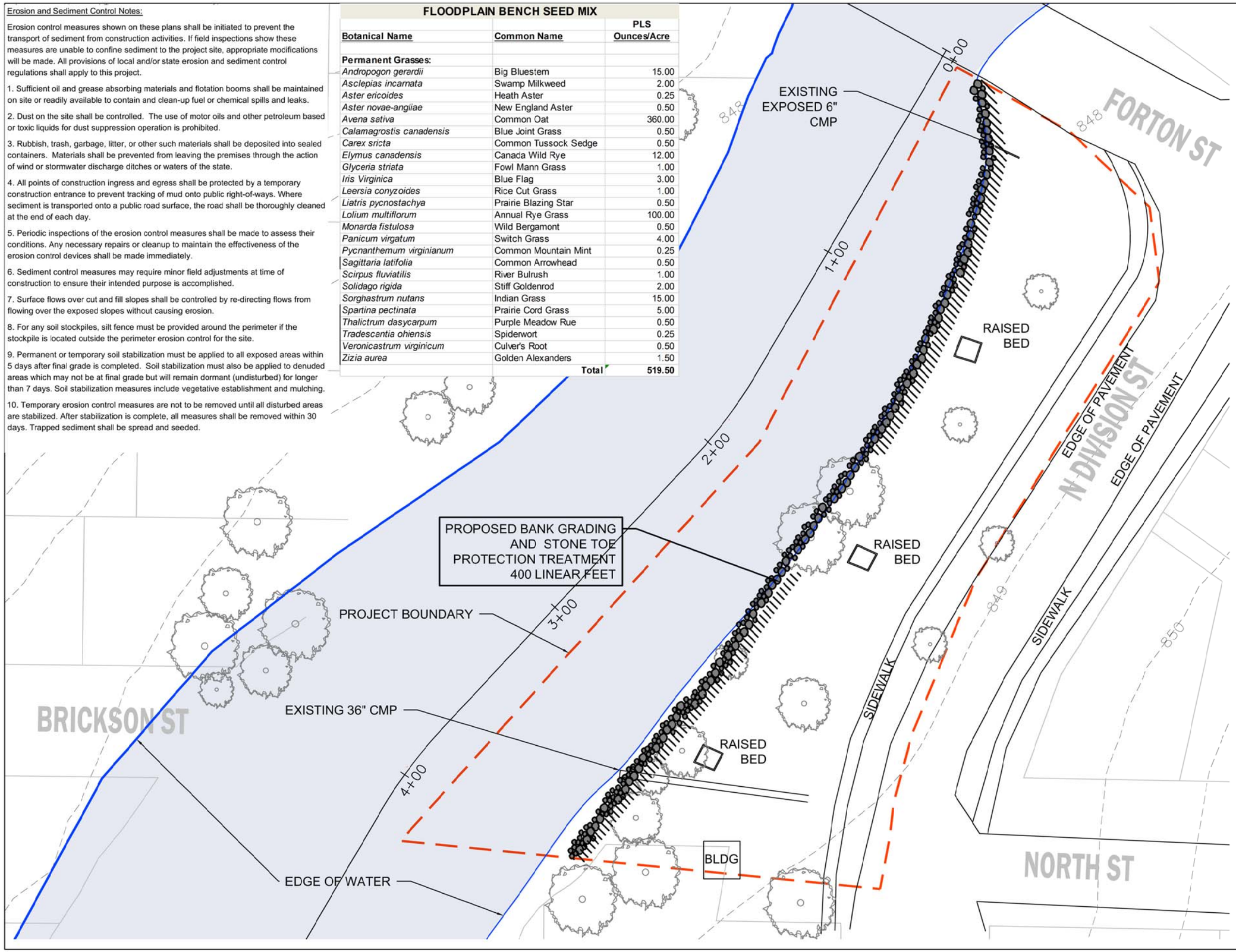
8. For any soil stockpiles, silt fence must be provided around the perimeter if the stockpile is located outside the perimeter erosion control for the site.

9. Permanent or temporary soil stabilization must be applied to all exposed areas within 5 days after final grade is completed. Soil stabilization must also be applied to denuded areas which may not be at final grade but will remain dormant (undisturbed) for longer than 7 days. Soil stabilization measures include vegetative establishment and mulching.

10. Temporary erosion control measures are not to be removed until all disturbed areas are stabilized. After stabilization is complete, all measures shall be removed within 30 days. Trapped sediment shall be spread and seeded.

FLOODPLAIN BENCH SEED MIX

Botanical Name	Common Name	PLS Ounces/Acre
Permanent Grasses:		
Andropogon gerardii	Big Bluestem	15.00
Asclepias incarnata	Swamp Milkweed	2.00
Aster ericoides	Heath Aster	0.25
Aster novae-angliae	New England Aster	0.50
Avena sativa	Common Oat	360.00
Calamagrostis canadensis	Blue Joint Grass	0.50
Carex sricta	Common Tussock Sedge	0.50
Elymus canadensis	Canada Wild Rye	12.00
Glyceria striata	Fowl Mann Grass	1.00
Iris Virginica	Blue Flag	3.00
Leersia conyzoides	Rice Cut Grass	1.00
Liatris pycnostachya	Prairie Blazing Star	0.50
Lolium multiflorum	Annual Rye Grass	100.00
Monarda fistulosa	Wild Bergamont	0.50
Panicum virgatum	Switch Grass	4.00
Pycnanthemum virginianum	Common Mountain Mint	0.25
Sagittaria latifolia	Common Arrowhead	0.50
Scirpus fluviatilis	River Bulrush	1.00
Solidago rigida	Stiff Goldenrod	2.00
Sorghastrum nutans	Indian Grass	15.00
Spartina pectinata	Prairie Cord Grass	5.00
Thalictrum dasycarpum	Purple Meadow Rue	0.50
Tradescantia ohiensis	Spiderwort	0.25
Veronicastrum virginicum	Culver's Root	0.50
Zizia aurea	Golden Alexanders	1.50
	Total	**519.50**



SITE MAP

0 20'

SCALE IN FEET

LEGEND

- PROJECT BOUNDARY
- EDGE OF WATER
- EXISTING GRADE
- EXISTING TREE
- STONE TOE
- BANK GRADING /SEEDING AREA

MATERIALS:

SEED MIX
0.05 ACRE

EROSION CONTROL BLANKET
200 SQUARE YARDS
(1800 SQUARE FEET)

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REVISION

EROSION CONTROL / PLANTING PLAN
YAHARA RIVER STREAM STABILIZATION PROJECT
CITY OF STOUGHTON
STOUGHTON, DANE COUNTY, WISCONSIN

DRAWN BY:	COD
DESIGNED BY:	ACS
DATE:	FEBRUARY 2016
JOB NO:	140201901

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INITIAL DESIGN

DRAWING NO.

5

OF 5

Date: December 20, 2016

To: Kathy Lake

From: Tom Lynch, Parks and Recreation Director

Subject: Division Street Park Restoration Project

The City of Stoughton is grateful for the opportunity to improve and stabilize the shoreline in Division Street Park with the help of the Streambank Restoration Reimbursement Grant from Yahara WINs. There are many benefits to the community that include maintaining the size of the park, beautifying the shoreline with a natural vegetation look, and reducing the ability for geese to get onto the grounds.

The park is along the Yahara River in place that is seen by hundreds of cars and walkers each day due to the proximity to our middle school and a key bridge across the river. Geese have made the grounds uninhabitable at times. During the Syttende Mai community celebration, the park is used for many things including a portage for the canoe race.

This grant helped make everything possible. Other than the cost, we didn't run into any challenges with completing the project. In fact two years ago we applied for a State grant for this project with a cost of over $120,000 (estimate from our Cardno, our consultant). After being denied due to other projects with more need, we worked with the same consultant to do the same project for the $46,000 that the City had budgeted. The bidding came in higher than projected, but with the help of your grant we were able to complete it.

The calculations provided earlier estimate that there would be a reduction of 576 lbs. of phosphorus entering the river over 20 years. That breaks down about a cost of $102/lb. We feel the project was worthwhile for the City and hope that the calculations and future study of the area prove to be worth the grant shared with Stoughton.

Tom Lynch

City of Stoughton Parks and Recreation

Attachment 13

MADISON AREA MUNICIPAL STORMWATER PARTNERSHIP
2016 ANNUAL INFORMATION AND EDUCATION WORK PLAN

DISTRIBUTED TO PARTNERSHIP MEMBERS ON DECEMBER 15, 2015

The Madison Area Municipal Stormwater Partnership (MAMSWaP), under the auspices of a five-year memorandum of understanding through 2018, currently consists of 21 entities that have agreed to jointly implement stormwater outreach to reduce negative stormwater impacts. Members include the cities of Fitchburg, Madison, Monona, Middleton, Stoughton, Sun Prairie and Verona; the villages of Cottage Grove, DeForest, Maple Bluff, McFarland, Shorewood Hills and Waunakee; and the towns of Burke, Blooming Grove, Madison, Middleton, Westport and Windsor; Dane County and the University of Wisconsin–Madison.

The MAMSWaP Information and Education (I&E) Committee assists the Dane County Stormwater Education Coordinator (SWEC) with development and implementation of projects and plans. Regular participation on the I&E Committee has included representatives from the cities of Fitchburg, Madison, and Stoughton, Village of McFarland, Town of Westport, Dane County, Madison Metropolitan Sewerage District (MMSD), Wisconsin Department of Natural Resources (WDNR) and UW Madison.

The MAMSWaP Annual I&E Work Plan seeks to meet or exceed the minimum requirements and elements outlined in the current WPDES Permit Number WI-S058416-3 (effective July 1, 2009 – June 30, 2014 and continuing until permit re-issuance); WPDES Permit Number WI-S050075-2 (May 1, 2014 – April 30, 2019) for the Village of Cottage Grove and City of Stoughton) by developing and implementing a coordinated, regional outreach effort using consistent messages among and between communities to reduce the quantity and improve the quality of urban stormwater runoff and identify and eliminate illicit discharges. Numbered items are the specific elements from the permit language. Language for elements C(1)(b)(6) and (7) has been updated to reflect permit reissuance language anticipated by Wisconsin Department of Natural Resources staff. Proposed action items for 2016 are added alphabetically after each element below.

C(1)(b)(1). Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.

a. Develop and distribute articles and messages to municipalities, friends groups, community groups and neighborhood association newsletters regarding illicit discharges.
b. Begin to develop a web-based interactive map of MAMSWaP area watersheds and sewersheds including: municipal boundaries, control practices, and stormwater drainage networks. Use map to develop an online tool to encourage better reporting of illicit discharges.

C(1)(b)(2). Inform and educate the public about the proper management of materials that may cause stormwater pollution from sources including: automobiles, pet waste, household hazardous waste and household practices.

a. Promote storm drain marking program and lake/stream clean-up efforts.

b. Research existing Adopt a Storm Drain programs and use Community Based Social Marketing approach to design a program pilot.
c. Search existing technical educational videos to demonstrate ways to minimize stormwater impacts, and link to videos available on YouTube from myfairlakes.com.
d. Develop additional MAMSWaP area specific videos, as needed that explain the role of MAMSWaP, the TMDL, and BMPs.
e. Collaborate with external partners to offer a pervious surface workshop for municipal staff, consultants, and developers.
f. Begin to develop a web-based interactive map of MAMSWaP area watersheds and sewersheds including: municipal boundaries, control practices, and stormwater drainage networks. Add locations and descriptions of "green developments and infrastructure". Use to promote self-guided tours of some of the public sites, share case studies, and make efforts to reach new audiences.
g. Collaborate with WI Salt Wise (www.wisaltwise.com) partners to promote, develop and distribute publications and web content focusing on reducing use of deicers containing chloride, and applying only the right amount of deicers needed for safety.
h. Collaborate with WI Salt Wise partners to ensure a winter maintenance training is regularly offered in the Dane Co. area.

C(1)(b)(3). Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.

a. Continue to implement the leaf management program to reduce leaves in streets and storm drains.
b. Continue to implement the Plant Dane Program.
c. Monitor leaf campaigns by other organizations (e.g. Clean Lakes Alliance, Friends of Lakes Wingra, USGS/City of Madison/Dane County leaf study, etc.) and share information as appropriate.

C(1)(b)(4). Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.

a. Continue to implement the Plant Dane Program.
b. Begin to develop a web-based interactive map of MAMSWaP area watersheds and sewershed including: municipal boundaries, control practices, and stormwater drainage networks. Add locations and descriptions of successful streambank and shoreland restoration projects and promote through riparian organization communities.
c. Promote WDNR Healthy Lakes Initiative workshops and grants through riparian organization communication.

C(1)(b)(5). Promote infiltration of residential stormwater runoff from rooftop downspouts, driveways and sidewalks.

a. Continue to implement the Plant Dane Program.
b. Continue to promote rain barrels, including many options for purchase and installation.
c. Coordinate with pervious surface action items from C(1)(b)(2).

d. Begin to develop a web-based interactive map of MAMSWaP area watershed, sewersheds including: municipal boundaries, control practices, and stormwater drainage networks. Add locations and descriptions of rain barrels and rain gardens to promote self-guided tours of these site, share case studies, and reach new audiences.

C(1)(b)(6). Inform and where appropriate educate those responsible for the design, installation and maintenance of construction site erosion control practices and stormwater management facilities on how to design, install and maintain the practices.

a. Publicize trainings for consultants, contractors, inspectors and municipal staff, highlighting incentives for participation (including certification).
b. Publicize the Dane County Erosion Control and Stormwater Management Manual.
c. Promote the Wisconsin Chapter of the North American Stormwater and Erosion Control Association's (NASECA) events.
d. Develop and offer local training for all MAMSWAP members so that those not able to attend the NASECA training can benefit.

C(1)(b)(7). Identify businesses and activities that may pose a stormwater contamination concern, and where appropriate, educate specific audiences on methods of stormwater pollution prevention.

a. Distribute letters and articles to businesses and associated groups.
b. Promote the Wisconsin Chapter of the NASECA events.
c. Collaborate with WI Salt Wise (www.wisaltwise.com) partners to promote, develop and distribute publications and web content focusing on reducing use of deicers containing chloride, and applying only the right amount of deicers needed for safety.
d. Collaborate with WI Salt Wise partners to ensure a winter maintenance training is regularly offered in the Dane Co. area.

C(1)(b)(8). Promote environmentally sensitive land development designs by developers and designers.

a. Promote the Wisconsin Chapter of the NASECA events.
b. Begin to develop a web-based interactive map of MAMSWaP area watersheds and drainage networks. Add locations and links to articles on "green developments" in central Dane County and promote self-guided tours of some of the public sites, case studies, and make special efforts to reach new audiences.
c. Promote local lectures and topics that could benefit developers and designers.
d. Promote participation in webinars focused on stormwater management and advocate to organizers that stormwater topics of local interest be included.

Municipal Responsibilities

It is not enough for municipalities to merely be an actively paying contributor to the Partnership. There are specific actions each municipality must do. For example, while MAMSWaP has created a useful website, each municipality needs to link to www.myfairlakes.com. Other examples include:

- using the articles and other information developed for municipalities in municipal newsletters or utility bill inserts,
- using displays developed for municipalities,
- providing information on municipal web sites,
- issuing press releases to local newspapers, and

- implementing storm drain marking programs.

Municipalities must document in their reports to WDNR how they have used the materials developed by the I&E Committee.

Additional Activities and Ongoing Tasks

Create a new brand to replace My Fair Lakes. The goal of the rebranding effort will be to develop an overarching brand that can be customized by partners, but provide some visual/message consistency to tie all MAMSWaP stormwater education efforts together.

The following actions are completed and/or implemented annually by the SWEC and consume a considerable amount of the half-time hours available.

1. Quarterly reporting to member municipalities.
2. Biennial reporting to the WDNR.
3. Bill municipalities and track payments.
4. Develop annual work plan.
5. Update/maintain website. Add significant new material in 2016 (using suggestions provided by I&E Committee members). Monitor analytics and try to boost hits and time on site.
6. Continue salt/deicing education materials and program.
7. Continue to work with the Earth Gauge Partnership.
8. Continue to promote NASECA events.
9. Develop and distribute articles to municipalities, friends groups, community groups and neighborhood association newsletters.
10. Develop/provide presentations (PowerPoint, slides, overheads, etc.) focused on audience interests/concerns.
11. Continue maintenance and use of existing list serves and distribution lists to disseminate information
12. Continue providing organizations and community groups' assistance and collaborating with projects (presentations, displays etc. for communities).
13. Continue promoting storm drain stenciling and marking programs.
14. Promoting the stormwater curriculum developed for MAMSWaP.
15. Maintain distribution lists.
16. Publicize training for building inspectors, contractors and staff.
17. Publicize availability of the Dane County Erosion Control and Stormwater Management Manual.
18. Promote and distribute DVD and CD.
19. Promote use of Enviroscape model including finding instructional how-to video for potential demonstrators.
20. Continue to coordinate outreach with the Rock River Stormwater Group.
21. Coordinate efforts with MMSD as appropriate regarding the Yahara WINS adaptive management program in the Yahara Watershed.

Acknowledgments

The Madison Area Municipal Stormwater Partnership's 2016 Annual Information and Education Work Plan was developed by the MAMSWaP I&E Committee. Committee member expertise, input

and municipal cooperation was crucial for plan development and will continue to play an integral role in addressing stormwater runoff in Dane County. Thank you to everyone who helped.

I&E Committee Members Contributing to the 2016 Annual I&E Work Plan
Jeremy Balousek, Dane County Land and Water Resources Department
Christal Campbell, Dane County Land and Water Resources Department
Allan Coville, Village of McFarland
Rick Eilertson, City of Fitchburg
Phil Gaebler, City of Madison
Mindy Habecker, Dane County – UW Extension
Sue Jones, Dane County Land and Water Resources Department
Kathy Lake, Madison Metropolitan Sewerage District
Kim McCutcheon, Wisconsin Department of Natural Resources
Rodney Scheel, City of Stoughton
Marisa Trapp, UW–Madison
Tom Wilson, Town of Westport

For more information, visit www.myfairlakes.com or contact Christal Campbell at 608-224-3746 or campbell.christal@countyofdane.com.

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Facilities & Sustainability
Jeanne E. Hoffman, Manager

Operations Manager
Kathleen M. Cryan

Mapping Section Manager
Eric T. Pederson, P.S.

Financial Manager
Steven B. Danner-Rivers

TO: WDOT, District 1—Wendy Braun
WDNR—Eric Rortvedt, Kim McCutcheon (South Central Region)
University of Wisconsin— Marisa Trapp, Matt Collins
Dane County Land Conservation—Kevin Connors, Jeremy Balousek, Christal Campbell
Dane County Office of Lakes and Watersheds—Sue Jones
Dane County Capital Area Regional Planning Commission—Mike Kakuska
MMSD—Dave Taylor, Kathy Lake
USGS—Bill Selbig, Roger Bannerman
City of Fitchburg— Cory Horton, Rick Eilertson, Felipe Avila
City of Madison—Rob Phillips, Mike Dailey, Greg Fries, Lauren Striegl, Phil Gaebler
City of Middleton—Rich Weihert, Gary Huth
City of Monona—Daniel Stephany, Brad Bruun
City of Stoughton—Rodney Scheel
City of Sun Prairie—Daryl Severson, Tom Veith
City of Verona—Ron Rieder, Martin Cieslik
Town of Blooming Grove—Mike Wolf, Tony Reigstad
Town of Burke—Brenda Ayers
Town of Madison—Renee Schwass
Town of Middleton—David Shaw
Town of Westport—Tom Wilson
Town of Windsor—Kevin Richardson
Village of Cottage Grove — Matt Giese
Village of DeForest—Deane Baker
Village of Maple Bluff—Tom Schroeder
Village of McFarland—Allan Coville, Jim Hessling, Eric Rindfleisch
Village of Shorewood Hills—Karl Frantz
Village of Waunakee—Kevin Even
AECOM—Theran Jacobson, Carla Fischer *(Verona, Burke)*
Brown and Caldwell—Mike Wegner, Jim Bachhuber
Clean Lakes Alliance—James Tye, Paul Dearlove
Mead & Hunt, Inc.—Anne Anderson, Tim Astfalk, Levi Ney *(Blooming Grove)*
MSA Professional Services, Inc. – Eric Thompson, Erik Sorenson, Amber Converse
Nahn & Associates—Chuck Nahn *(Town of Madison, Maple Bluff)*
Strand Associates, Inc.—Jon Lindert, Justin Gutoski *(UW-Madison, Westport, Waunakee)*
Town & Country Engineering, Inc.—Brian Berquist, Tom TeBeest *(Shorewood Hills, McFarland)*
Vierbicher Associates, Inc.—Sarah Church, Neil Pfaff *(Monona, Town of Middleton, DeForest)*

RE: Madison Area Municipal Storm Water Partnership Meeting Agenda
DATE: February 16, 2016
TIME: 2:00 PM
LOCATION: 1600 Emil St, Madison, WI – Training Room

1. MAMSWaP I&E Update

   Christal Campbell (Dane County) updated the group on the actions of the MAMSWaP I&E committee. A summary of these actions can be found on the first attachment to these minutes, "Madison Area Municipal Stormwater Partnership (MAMSWaP) – I&E Update-February 16th, 2016."

   Christal also discussed recent efforts in the Wisconsin Salt Wise program. WI Salt Wise has been partnering with area retailers to promote BMPs in an effort to reduce salt use. The WI Salt Wise team has compiled a list of approximately 100 retailers, both local and national (Home Depot).

Most vendors that they have talked with have been receptive to the concept behind WI Salt Wise and allowed the posting of fliers near their salt displays. In general, the team has found that independent retailers have been easier to get on board, as the larger sellers (like Home Depot) have more corporate levels that need to clear the idea. The posted fliers have tried to sell the three concepts of "shovel, scatter, and switch," with the main message being that using salt below 15oF is ineffective. Many retailers have requested information about other salt formulations (MgCl, CaCl). WI Salt Wise continues to look for new ways to identify and approach vendors in the area for this year and in the future. A question was asked about where fliers should be posted; Christal responded that generally, posting the fliers as close to the point of sale of salt as possible seems to be the most effective approach.

2. Leaf Studies

Christal discussed that, due to the many different leaf studies being conducted in the Madison area, the I&E Committee has been trying to get leads from all of these studies together to discuss their projects and ways to push them forward together. Three project leads from three different leaf studies presented on the goals of, methodology behind, and preliminary results from their respective projects.

a) Paul Dearlove (Clean Lakes Alliance) – DeForest Leaf Study

Funding for the DeForest leaf study was provided by a DeForest stormwater utility grant, the Clean Lakes Alliance (CLA), and Yahara WINS. This study was designed to "quantify" the amount of resident cooperation in leaf management efforts needed to achieve measurable reductions in total phosphorus (TP) runoff in a small community, and to assess the value of a social marketing campaign to such an effort. Slides from Paul's presentation are shown in Attachment 2, "DeForest Leaf Study Summary."

Paul discussed the CLA's ultimate leaf management goal, which is to reduce TP runoff to the lakes by 50% by 2025. CLA believes that approximately 4,100 lbs of TP can be removed from the system by using better leaf management practices. Local municipalities have set a goal of increasing leaf collection efforts by 20%; however, achieving a removal of 4,100 lbs of TP can only realistically be achieved by increasing resident participation in leaf collection programs.

Based on the results of the DeForest leaf study, CLA estimates that, to achieve a reduction of 4,100 lbs of P by leaf management alone, a 50% resident participation rate in management efforts is required. Paul said that in this study, direct costs of the social marketing campaign were ~$200/lb TP, but that CLA expects that further refinement of the system and expansion of the campaign could bring costs to ~$100/lb TP.

Gary Huth (Middleton) asked if CLA had factored in the costs of the participants' time and effort when estimating total costs for a campaign. Paul responded that they had not, since those costs would never be paid under a full campaign (all study assistants and residents were volunteers, and would be under this program). Gary responded that leaf pick-up would require power equipment, fuel, and other costs, and asked how this was factored into the study. Paul said that those costs are not included in the estimate, and that of course leaf management has trade-offs, but that estimating those was beyond the scope of this study.

b) Roger Bannerman (USGS) – Leaf Bagging Study

Roger presented on his study, entitled "Reducing Fall P Loads – Three Pathways to a Final Answer." The study had three components: 1) quantification of benefits of selected leaf management practices (raking and bagging), 2) extrapolation of measured values to determine average benefits using WinSLAMM, and 3) demonstration of potential for social marketing to help keep leaves out of street. His presentation slides are included in Attachment 3, "Leaf Bagging Report 01202016."

Roger's study, like the DeForest study, compared areas of "light" and "heavy" social marketing. Light-touch areas, called the "control areas," received minimal communication. Heavy-touch areas, called the "leaf collection pilot study areas," received more communication as well as leaf bags. 1,200 leaf bags were distributed in the heavy-touch area (20 bags/house, 84 houses over 3 blocks), with instructions to obtain more at Roger's house should a resident run out of bags. Roger indicated that response to the program in the heavy-touch area was very good. Volunteers took pictures of the high-touch area every 2 weeks to document conditions. The maximum number of bags used by a single home was 84. The City of Madison collected bags of leaves by truck and removed them for composting. Results of the study are detailed in the slides.

c) Bill Selbig (USGS) – Evaluation of a Leaf Collection and Street Cleaning Program as a Way to Reduce Nutrients in Urban Runoff

Bill presented on his study, which focused on the quantitative effects of removing leaves from the street during the spring, summer and fall on TP in stormwater runoff. The study and its preliminary results are summarized in an abstract, included with these minutes as Attachment 4.

As with the two earlier studies, Bill used a "paired basin" approach. 2014 was used as a calibration year for all four basins, while in 2015 extensive leaf pick-up operations were implemented in one of each basin pair. Results from the study are summarized in the abstract.

d) Wrap-Up (Christal Campbell – Dane County)

Christal summarized the findings of all three leaf studies. Leaves do accumulate in the streets in the Madison area, and these leaves contribute a significant amount of TP to runoff water. Christal summarized several questions that she hopes that these leaf studies and further investigation can answer in the future, including:

- Are leaf management efforts effective at reducing TP loading to lakes?
- How do municipalities calculate the TP reductions achieved with these programs?
- What are the costs associated with the programs?
- How would a municipality obtain DNR credit for implementing a leaf management program?
- What does strategic community engagement look like for such a program?
- How would a municipality scale up the pilot-scale programs discussed here into a larger scale effort?

3. MS4 Group Permit Presentation and Discussion

Eric Rortvedt (WDNR) presented on his proposed updates to the MS4 group permit. He said that the draft permit has been to select reviewers, and that he hopes to have the select reviewer comments incorporated in the next week and will then make the updated draft available to all MAMSWaP members. Eric highlighted a number of significant changes in the new permit. These are summarized in Attachment 5, "Reissuance of Madison Area MS4 Group Permit," and include the following:

a) Opportunity for additional MS4s to join the permit
b) Consistency with the general permit
c) Authorization of discharge from internally drained and pumped areas (specifically Tiedeman Pond and Paradise Pond)
    - A guidance memo is being internally circulated in the WDNR outlining how to account for these under the TMDL

d) TMDL language has been taken from the general permit and added to the MS4 permit
e) Changes to public education and outreach
f) Dye testing – MS4 permit now requests a courtesy "heads up" to Eric or Kim if dye testing is to take place
g) Changes to NR 151, including the addition of the 1-yr peak flow, and the adjustment/clarification of infiltration exemptions/exclusions
    - Dane County has already incorporated these changes into their ordinances, and most people/municipalities have already addressed them
h) Pollution prevention
    - More information is included about snow management and de-icing, similar to language in the general permit
    - SWPPP for municipal facilities
        i. This comes from the general permit, and has been mandated by the EPA for the City of Madison (at 8 sites)
        ii. Timing: the MS4 general permit says March 2017; Eric is looking at a 5 year permitting period (maximum) for multiple sites)
    - Nutrient application schedule for a >5 acre site (e.g. golf courses)
i) Identification of locations of WPDES permitted discharges on a storm sewer map

A question was asked regarding the frequency of identification of illicit discharges. Eric clarified that municipalities have always been required to look for illicit discharges, and that the easiest method is to observe them under dry-weather conditions. He said that originally municipalities were given the chance to set an interval for checking and identifying these discharges, and that all municipalities should have some sort of schedule. He said that the purpose of requiring the schedule and the map is to avoid situations in which municipalities do a one-time check, find little or nothing, and then cease monitoring efforts.

Eric said with respect to MS4 TMDL implementation, DNR expects the next MS4 reissuance application will have each municipality identify additional actions/measures it expects to implement over the following 5 year permit term. Each permit term will need to show some improvement, although the method of measuring and demonstrating improvement is still under discussion. He said that, if goals are not being met through these plans, the EPA may require the setting of more concrete goals.

Chuck Nahn asked how Adaptive Management (AM) will be measured in the permit. Eric responded that he will add some language to clarify this point, but that he wants the permit to be flexible. Dave Taylor (MMSD) stated that AM assumes that each participating municipality already meets 40%/27% TSS/TP reductions.

Eric said that he hopes to have the draft permit out for initial review in the next week, and that he would likely give approximately 10 days for review of the permit. He is hoping to open the permit for public comment by the end of March.

4. Adaptive Management (AM) Update

Dave Taylor (MMSD) gave an update on AM. His goal is to execute the inter-governmental agreement (IGA) by the end of March. About 50% of participating municipalities have already executed that agreement. Gary Huth asked, if the Middleton council deferred, what is the drop-dead date to join? Dave responded that April 15 is the deadline. A municipality could join after that date, but would have to be voted in by all participants in AM. Greg Fries (City of Madison) said that the City of Madison Board of Estimates approved the City's participation on February 15th, and that he fully expected the Common Council to approve it as well. Gary asked if the program is definitely going forward now that Madison has signed on. Dave responded that yes, it is. Chuck Nahn asked how a municipality would pay if its stormwater quality model has not been updated yet. Dave responded that payment would be based on a municipality's old model, and that if the municipality overpaid (determined once the model is updated), that it would be credited in the future. Eric Rortvedt reminded all present that he is quite busy, so any municipality that wants him to review its model ought to get the model to him soon.

Madison Area Municipal Stormwater Partnership (MAMSWaP) – I&E Update-February 16th, 2016

Respectfully submitted by Christal Campbell, MAMSWaP Stormwater Education Coordinator-Dane County Water Resource Engineering Division, 608-224-3746, Campbell.christal@countyofdane.com.

CONSULTANTS AND MUNICIPAL REPRESENTATIVES: ***Please make this report available to your municipalities.***

Communications

My Fair Lakes Facebook page-As of December 2015 the My Fair Lakes FB page had 127 fans, up from 109 in 2014. Please contact Christal Campbell with any articles or events you may have coming up in your area so we can share and promote. We try and post content at least once a week, but are happy to post additional events/articles.

My Fair Lakes email box/web site- Christal maintains the info@myfairlakes.com email box and is responding to emails as they come in. Updates to the myfairlakes.com web site are made on a regular basis. Many broken links have been addressed recently along with seasonal/timely changes to the front page to help market current events and campaigns. As of December 2015 the myfairlakes.com page received more than 22,000 visits, up from 20,000 in 2014. If you come across an issue, please let Christal know.

Articles/Messages-

WI Salt Wise Campaign-A communications kit was shared with MAMSWaP partners via email on Jan. 14th and included: key messages to share on salt reduction practices, graphics, and links to articles and resources on WI Salt Wise web site. Check out the new Shovel, Scatter, Switch message on web site to promote.

Plant Dane! Cost Share Program and Rain Garden Workshop- A communications kit was shared with MAMSWaP partners via email on February 4th and included: information on both the Plant Dane! Cost Share program and Rain Garden Workshop, order and registration deadlines, a press release and template emails to share with other partners.

Trainings

NASECA Erosion Control Site Inspector/Installer Training- 14 MAMSWaP partners took advantage of the offer to attend the training at a $100 discount.

Plant Dane! Rain Garden Workshop- MAMSWaP is partnering with Agrecol to host a Rain Garden Workshop on March 12th from 9am-12pm. The cost of the workshop is $5. The workshop will be held at the Lussier Family Heritage Center and will cover site design and preparation, plant selection, installation, and maintenance. Register online at https://www.eventbrite.com/e/plant-dane-rain-garden-workshop-tickets-21063002006 or complete the registration form at www.myfairlakes.com/plantdane.aspx . All registrations must be received by March 4th.

WI Salt Wise Campaign

WI Salt Wise partners are piloting a new retailer toolkit aimed at getting the WI Salt Wise message to consumers who purchase road salt at area retailers. The toolkit includes a letter and signage with the new "Shovel, Scatter, Switch" message for retailers to post near road salt, shovels and other winter maintenance equipment. WI Salt Wise partners are approaching more than 100 area retailers who sell salt to ask if they'd be willing to participate in the pilot and post signs. MAMSWaP partners with independently owned retailers in their communities were asked if they'd be willing to help.

Plant Dane! Native Plant Cost-Share Program

The Plant Dane! web site is up and running and ready to accept plant orders for the 2016 native plant cost-share program. Orders are due by March 23rd and plant pick up is scheduled for June 4th at Dane County Land and Water Resources Building at 5201 Fen Oak Dr., Madison, WI 53719. Participants can choose from more than 70 native plant species including butterfly, shortgrass prairie, and rain garden kits. Plants are $1.90 each and all species must be ordered in multiples of four. Information and order forms are available online at www.myfairlakes.com/plantDane.aspx.

MAMSWaP Interactive Map

Christal met with key GIS staff and Phil Gaebler in January to discuss what updates have to be made to the existing MAMSWaP basin map to move this project ahead. Tim Confare, a GIS Analyst with Dane County will be taking the lead on this project. The goal is to try and get a basic version of this map with watershed boundaries, outfall basin boundaries, any data on storm drain locations completed this fall to use as part of an Adopt a Storm Drain pilot. The final mapping tool will look similar to the LWRD Viewer https://dcimapapps.countyofdane.com/lwrviewer/ with different features and

applications. Once the team identifies data gaps they will be reaching out to MAMSWaP members for additional data and input on the design and potential applications for this tool in the coming months.

Rebranding Effort

The I&E Committee recently met with Sarah Wortham, a branding expert with more than 20 years of experience in brand building and creative direction. Sarah shared her insight on branding, how MAMSWaP might benefit from a rebranding and what the process may look like. Sarah currently works as a Creative Director for an area health company, but is willing to take this on as a side project. Following the meeting the I&E Committee agreed that going with someone like Sarah will be much more cost effective than working with a full marketing design firm. We asked Sarah for a proposal and if accepted hope to start the process in early May. The ultimate goal of the rebranding effort will be to develop a recognizable brand to replace My Fair Lakes that can be customized by partners, but provide some visual/message consistency to tie all our current and future stormwater efforts together.

Leaf Collection and Outreach Pilots/Studies-Lessons Learned and Next Steps

Several MAMSWaP partners expressed interest in learning more about the various leaf collection and outreach pilots/studies taking place right here in Dane County. Christal Campbell and Paul Dearlove (CLA) hosted a working session on January 20th with the coordinators of each of the area leaf pilots/studies to share information about the studies, but more importantly try and determine how we can use results to drive future outreach campaigns and leaf collection operations. Paul Dearlove-CLA, Bill Selbig-USGS, and Roger Bannermann- Friends of Lake Wingra/DNR all presented on their pilots/studies followed by a facilitated discussion on successes, challenges, and next steps.

What We Learned-

1. Fall leaves that accumulate in streets contribute significant amounts of leached phosphorus into area waters.
2. Removing leaves from streets can help us achieve measurable phosphorus reductions.
3. Community Engagement programs can be an effective tool to maintain leaf-free streets.

Next Steps-

1. Determine whether existing leaf collection operations are effectively reducing phosphorus into waters.
2. Agree on calculation to estimate phosphorus reductions from leaf collection.
3. Compare cost of effective leaf collection operations with other available BMP's.
4. If cost effective, determine what information/data is needed by DNR to consider leaf collection an approved BMP for permit.
5. Develop and fund a strategic community engagement pilot with a monitoring component to test estimated phosphorus reduction calculations.
6. Use pilot results to guide larger scale efforts.

2016 MAMSWAP I&E Work Plan

A draft of the 2016 MAMSWaP I&E Work Plan was shared with all MAMSWaP partners in late November. Thanks to the I&E Committee and other partners who submitted comments. The final 2016 MAMSWaP I&E Work Plan http://www.myfairlakes.com/pdf/2016-MAMSWAP-IE-work-plan.pdf was shared in December with all MAMSWaP partners and the WDNR.

MAMSWAP Quarterly I&E Meeting Summary

The MAMSWaP I&E Committee met on February 11th, 2016. Updates on main topics are shared above. Please contact an I&E Committee member or Christal Campbell Campbell.christal@countyofdane.com/(608) 224-3746 for further details including the complete meeting minutes and attachments.

Upcoming Events

Plant Dane! Native Plant Cost Share Program – order deadline March 23rd

Plant Dane! Rain Garden Workshop – March 12th, 2016. Registration deadline March 4th.

****

Reminders

• Please be sure you have links to myfairlakes.com from your websites.

• Follow myfairlakes.com on Facebook! "Like" and "share" posts to help spread the word.

- The Enviroscape Watershed Model is available and can be checked out from the Dane County Land Water Resources Department-contact Christal Campbell if interested.

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Madison Area Municipal Stormwater Partnership (MAMSWaP)

MEETING NOTES- DRAFT

MAMSWaP Information & Education Committee
Thursday, April 21st, 2016
Room 210, 5201 Fen Oak Drive

In attendance: Phil Gaebler, Rick Eilertson, Marissa Trapp, Rodney Scheel, Kim McCutcheon, Joe VanRossum, Kathy Lake, Sue Jones, Jeremy Balousek, Christal Campbell

Review/Recommend Approval of Notes from Last Meeting- approved

I&E Updates (February- April)

-Plant Dane! Native Plant Cost-Share Program Summary

280 people ordered plants through the Plant Dane! Cost Share Program. More than 13,700 plants were ordered. The online payment option was well received with about 80 participants opting to use pay via PayPal. We hope to fully integrate the PayPal payment option in time for next year's sale. Plant pick up is scheduled for June 4th from 8-11AM at Dane County Land and Water Resources Building at 5201 Fen Oak Dr., Madison, WI 53719. Due to the fact that we have so many orders this year we could use some extra help during Plant Pickup. If you are willing to help distribute plants, please let Christal know. She'll even provide donuts and coffee!

-Rain Garden Workshop Summary

MAMSWaP partnered with Agrecol to host a Rain Garden Workshop on March 12th at Lussier Heritage Center. 49 people registered and 39 attended. Bryant Moroder of Rain Reserve also shared information on rain harvesting. Overall the workshop was well received, but there was interest by some to hold more of an advanced workshop where participants could leave with an actual plan to implement as this was more of an introduction. We will look into possible hiring a consultant to host an advanced workshop next year, with an introduction course every other year. There was also interest in getting out and actually building a rain garden later in the year. To view a summary of the evaluations visit https://danecounty.filetransfers.net/downloadFilePublic.php?filePassId=76e06fec546f6ea48927be2bf8bbccbb

-Yahara Watershed Summit-

Christal attended and presented at the Summit in early April to share some of the initiatives MAMSWaP is involved with and discuss how MAMSWaP can better partner with watershed groups. Watershed groups seemed interested in becoming more active partners with our campaigns. Christal will be working with Susan Sandford to determine what tools these groups need to help promote and implement MAMSWaP programs locally.

-2016 MAMSWaP Invoices- sent mid-March and as of mid-April 14 of 20 invoices paid

-MAMSWaP Budget

$80,000-$90,000 carryover. Shared budget plans for 2016 into 2017. Carryover funds will be useful to help pay for branding effort, printing needs and web site redesign following branding effort. We'll also need funds beyond normal operating budget for the interactive mapping applications once the base map is completed.

Storm Drain Map Progress and Data Needs

Christal is working with Phil Gaebler and Tim Confare to clean up MAMSWaP sewershed boundary data so we can start to develop recognizable names for the major sewershed. Christal will be putting together maps for areas with watershed groups and request assistance with naming the major basins this summer. We'll start by naming major basins within the City of Madison and move outward from there. The goal is to have a base map by the end of the summer.

Tim is taking the lead on the map for Dane Co. and is working with ESRI Arc GIS on a new Adopt an Asset application that we will likely be able to use for our Adopt A Storm Drain effort. They've agreed to incorporate some of our suggestions including: a feedback loop to report actions residents take and a way to notify participants of action requests/alerts. Tim is hoping they will release an initial version by mid-summer that we might be able to use to communicate with leaf pilot participants this fall.

USGS Phosphorus Reduction Credits for Leaf Collection Proposal

The preliminary results of the USGS/City of Madison Leaf Study revealed that if we can keep streets clear of leaves we can expect some pretty significant phosphorus reductions. In light of these promising results, several of us are interested in working to fill in the data gaps needed to get leaf management practices considered as an approved BMP for the permit. To help move this along, Bill Selbig (USGS) is submitting a proposal to the Fund for Lake Michigan requesting funds to build on the existing study with a project titled "Developing a Framework to Advance Statewide Phosphorus Credits for Leaf Collection". If funded this project will begin this fall and continue through 2017. USGS is looking for additional financial support to fund the project.

We discussed the proposal at our MAMSWaP Information and Education Committee meeting last week and though the proposed study does not include a strong community or social marketing component the results will help drive future citizen based leaf management efforts and benefit MAMSWaP communities as they work to meet phosphorus goals. The I&E Committee strongly supported the proposed leaf study and voted unanimously to recommended that the large MAMSWaP group approve an

allocation of $10,000 from the I&E budget to help fund the project. This will not impact our ability to fund projects already planned for 2016 and 2017 as we continue to have a healthy budget due to salary savings incurred during the year my position was vacant.

Fall Leaf Campaign- Ideas for 2016

The I&E Committee is interested in getting input from the larger MAMSWaP group on which direction to take with leaf outreach this coming fall. Do we continue with more of a mass media approach as have in the past or do we try a more focused approach and develop a model to engage residents at a neighborhood level? The I&E Committee expressed a desire to try the focused approach and build off successes of the social marketing leaf pilots, but in a different MAMSWaP community. The goal of this effort would be to determine if we can work through a watershed/friends group to engage residents and get commitments to help remove leaves from the streets prior to rain events. If successful we'd use the results to build a "tool kit" other municipalities could customize and use to engage their neighborhoods in a leaf free streets effort. Christal could help coordinate, provide communication tools, alerts to notify residents of an upcoming storm event and possible incentives, but we'd be looking for the municipalities and water related groups to also play an active role. Obviously, we can't effectively implement a pilot and measure the results in every MAMSWaP community. We'd be looking for 1-2 MAMSWaP neighborhoods to participate. If there was a lot of interest we could possibly develop a simple proposal process to allow all interested MAMSWaP municipalities a chance to apply. Clean Lakes Alliance is very interested in partnering with MAMSWaP on this effort if we decide to move forward.

Water Branding Proposal/Feedback

The I&E Committee reviewed and accepted a proposal from Sarah Wortham and her team to lead our rebranding effort. The goal of this effort is a broad water-focused "Call to Action" brand that we can use to motivate various audiences to take action and change behavior. The purpose is to create an overarching brand to better connect our programs to a common goal. This will include a logo, tag line, and design guidelines on how to tweak existing and future program brands (Plant Dane, Love Your Lakes Don't Leaf Them) to reflect this connection to the core brand. Christal will be meeting with Sarah and her team in the week of May 9th to finalize plans and timeline, but hopes to schedule the initial input and discovery session in mid-late May. We are looking for 5-7 MAMSWaP partners, preferably made up of partners both from within and outside the I&E Committee to help with this process and represent the needs and desires of the partnership. The time commitment will be minimal, attend 1-2 meetings and provide feedback on drafts via email for a total of 8-10 hours. The first Discovery and Input Meeting is scheduled for Wed., May 25th from 11am-1pm at the LWRD Building. If you are interested in joining the Branding Group, please let Christal know.

DRAFT WPDES Permit- I&E Section- didn't see any changes, flexible enough to allow us to do what we need to

Other business:

-Stormwater Education Network Gathering June 8th 8-10am

Wrap Up

-MAMSWaP Large Group Meeting- May 3rd, 2016

Madison Area Municipal Stormwater Partnership (MAMSWaP)

MEETING NOTES

MAMSWaP Information & Education Committee
Tuesday, July 19th, 2016- 1-3pm
Room 210, 5201 Fen Oak Drive

Attendees: Tom Wilson, Joe Van Rossum, Rick Eilertson, Jeremy Balousek, Phil Gaebler, Kathy Lake, Christal Campbell

1:00-1:10 **Review/Recommend Approval of Notes from Last Meeting- APPROVED**

1:10-1:20 **I&E Updates (May-July)**

-Plant Dane! Native Plant Cost-Share Program Pick Up- 8 volunteers assisted with pick up and all went well. There were a few mix-ups, but Agrecol followed up and got everyone what they needed. Participants were very appreciative.

-Spring/Summer BMP's article/newsletter deadlines-sent template artide out to MAMSWaP in early May. Used a little bit different approach where partners needed to localize the content to make it more relevant to their area. Christal would like feedback on whether communities are using the articles and if the timing works with their communication deadlines and will be sending out a survey to MAMSWaP requesting newsletter/communication deadlines to better meet partner needs.

A modified version of the article was shared with local watershed groups to use in early June.

-Dane Co. Urban Water Quality Grants due July 31st- as of 7/19 no proposals have been received. Proposals will be accepted until funding runs out, first come, first served.

1:20-1:40 **Stormwater Map Progress**

-Major Basin Maps- Christal is working on sub-watershed maps with major basins boundaries and will share with groups for naming.

-Engaging Watershed/Friends Groups in Naming – Shared map with FOLW and Friends of Starkweather Creek first. Hope to have names by the end of summer.

-Adopt A Storm Drain Test- Tim Confare and Christal have been working with ESRI on the Adopt a Storm Drain tool. Test version has been developed with our base map and City of Madison storm sewer inlets. Shared a video with a demo from the City of New Orleans with the group http://video.esri.com/watch/5168/city-of-new-orleans . The tool is very flexible and will allow us to email out alerts, have participants indicate actions have been

completed and customize content. Tool can be used to adopt larger areas such as curbs in addition to just points or storm drains.

-Timeline- Hope to use to send alerts and collect data for leaf pilot this fall. Roll out of Adopt A Storm Drain?? campaign won't be until fall 2017.

1:40-2:10 **MAMSWaP Neighborhood Leaf Pilot and Campaign**

The 2016 Leaf Campaign will include "Love Your Lakes/Rivers, Don't Leaf Them" ads in local papers and a "Love Your Lakes/Rivers, Don't Leaf Them" communications toolkit (article, graphics, FB posts) for partners to use to spread the message in their communities. We will not be printing additional coasters, flyer inserts for local papers or signage this year. Instead we will redirect some of our resources towards the MAMSWaP Neighborhood Leaf Pilot, a more focused approach to try and engage citizens in efforts to remove leaves from streets prior to a storm event by partnering with a local watershed or friends' groups.

Neighborhood Leaf Pilot- Two MAMSWaP communities, City of Middleton and City of Fitchburg, expressed interest in being considered for the pilot. Both communities completed a short questionnaire to determine if they met the pilot criteria and the level of support both the municipality and partner group could provide. Based on information provided from each municipality the I&E Committee selected the City of Middleton as our primary pilot location. Christal will coordinate the project, but work very closely with The Friends of Pheasant Branch Conservancy and the City of Middleton to implement the pilot.

The I&E Committee also expressed interest in moving ahead with a modified version of the pilot in the Fitchburg area where there isn't an active group to partner with. The City of Fitchburg is looking to commit staff time to assist with tasks that would otherwise have been completed by the partner group such as making resident visits to increase participation and conducting pre and post-storm leaf surveys. If successful, the City of Fitchburg will serve as a secondary pilot location. The City of Fitchburg pilot will be coordinated by Rick Eilertson and Holly Powell. Pilot methods and resources will be shared between both sites.

2:10-2:20 **Dane Waters Branding Update** -Discovery and Input session May 25th- 13 people attended including representatives from villages, cities, watershed assoc., Dane co., and MMSD. Sarah and Alex met with graphic artist 2x came up some rough concepts, unfortunately the graphic artist had to back out of the project on 7/1. They are currently looking for new graphic artist. The goal is to have overarching brand by end of Nov. with Plant Dane being first sub brand.

2:20-2:40 **Landscaper Partnership Program Ideas- Rainscapes**

Looking into better ways to engage businesses in both implementing stormwater BMP's and promoting stormwater BMP's or stormwater friendly designs with customers. Landscapers and designers are looked to as experts and if we can get them to promote more stormwater friendly designs customers will be more likely to incorporate them into their landscapes. One thought was to bring landscapers together to discuss the benefits and drawbacks of stormwater friendly designs and work together to develop an incentive program. This might include developing a

stormwater assessment for designers to complete when they first visit a property outlining key areas they may want to focus on to reduce runoff. If the customer selects a "stormwater friendly" design that meets certain goals they might be eligible for a credit to go towards the cost of the project. The goal would be for landscapers/designers to actively promote the program to customers. If you know if landscapers/designers that might be willing to participate on a team later this year to explore this idea please let Christal know.

Christal will also be meeting with Green Tier in August to discuss the possibility of partnering with Veridian Homes, Homburg Construction and their primary landscapers to start integrating and promoting more stormwater friendly landscaping options.

2:40-2:50 **Effective Winter Maintenance Workshops Oct 25th and 26th –** 5 classes being held in WI – Rain to Rivers SW WI, Rock River Stormwater Group, Fox/Wolf Watershed Association/MAMSWaP (2). TOTAL COST- $5000 for Fortin and approximately $1300 expenses (printing, food) = $6300. Will request contributions from MMSD and Madison Water Utility again. Hope to include information from the MMSD case studies. MAMSWaP communities will receive a discount on registration.

2:50-3:00 **Additional items??/Wrap Up**

- Village of Cross Plains expressed interest in joining our MAMSWaP I&E Agreement to receive I&E services. All at meeting were in favor of them joining. Christal will work with legal to determine how to add another member to the agreement mid-term.

-MAMSWaP Large Group Meeting- August 2nd, 2016