

Monday, March 24, 2025**6:00 PM****McFarland Municipal Center**
5915 Milwaukee St, McFarland
Community Room

AGENDA

The public may attend in-person or remotely through the Zoom webinar or telephone options listed below. *Please Note: Virtual attendance is offered as a convenience, but technical difficulties beyond the Village's control may prevent or limit its availability at any meeting. The public is encouraged to attend the meeting in person to assure full access to the proceedings.*

PLEASE CLICK THE LINK BELOW TO JOIN THE ZOOM WEBINAR:

<https://us02web.zoom.us/j/83788865413>

Or by Telephone: +1 (312) 626-6799

Webinar ID: 837 8886 5413

Press *9 to raise/lower hand. Press *6 to mute/unmute.

1. CALL TO ORDER, ROLL CALL.
2. PUBLIC APPEARANCES.
 - a. This is an opportunity for members of the public to address the Public Works and Utilities Committee for items that are not on the agenda. Please remember this is a hybrid meeting conducted in person and through the Zoom online meeting platform. Meeting attendees wishing to address the Committee about items not on the agenda may do so at this time. Zoom attendees should type their name and address in the Question and Answer feature within the Zoom online meeting platform at this time. Members of the public who are present in person and wish to address the Committee should fill out a public comment form and turn into the meeting chairperson. When you are called upon to speak, state your name, address, and provide your comments to the Committee for their consideration. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to public.works@mcfarland.wi.us to be included as part of the meeting.

Members of the public may also speak during their selected agenda item as they designate on the public comment form or in the Question and Answer feature on Zoom.
3. APPROVAL OF MINUTES.
 - a. Motion to approve the minutes of the January 27, 2025 Public Works & Utilities Committee meeting.
4. BUSINESS.
 - a. Presentation regarding the draft Babcock Channel and Stormwater Lagoon Restoration Plan.
 - b. Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2025 Street & Utility Improvements project.
 - c. Discussion and action to make a recommendation to the Village Board regarding the MS4 Annual Report for 2024
 - d. Discussion and action to make a recommendation to the Village Board regarding award of contract for sanitary sewer main cleaning and televising services.

- e. Discussion and action to make a recommendation to the Village Board regarding a proposal from Baker Tilly to conduct a conventional rate case for the water utility.

5. SCHEDULE NEXT MEETING DATE.

- a. Monday, April 28, 2025, at 6:00 p.m.

6. ADJOURNMENT.

Any person who has a qualifying disability as defined by the Americans with Disabilities Act that requires the meeting or materials at the meeting to be in an accessible location or format should contact the McFarland Municipal Center at (608)838-3153, 5915 Milwaukee Street, McFarland, Wisconsin, or village.clerk@mcfarland.wi.us by 2:00 p.m. at least 5 business days prior to the meeting so that any necessary arrangements can be made to accommodate each request. If the meeting or request is less than 5 business days from the meeting, requests for accommodations may still be made and reasonable efforts will be made to accommodate each request.

VILLAGE OF MCFARLAND
Public Works & Utilities Committee Minutes

Monday, January 27, 2025 - 6:00 PM

1. CALL TO ORDER, ROLL CALL.

Village President Clow called the regular meeting of the Public Works & Utilities Committee to order at 6:00 PM in the Community Room of the Municipal Center. This meeting was also held via Zoom webinar.

Members present: President Clow, Trustee Prill, Pauline Boness, Chris Fredrick, Zach Freeman, Eric Kindschi, Marc Nielsen

Members not present: n/a

Staff Present: Village Administrator Matt Schuenke, Public Works Director Lee Igl, Assistant to the Public Works Director Aimee Irwin, and Town & Country staff, Brian Berquist

2. PUBLIC APPEARANCES.

- a. *This is an opportunity for members of the public to address the Public Works and Utilities Committee for items that are not on the agenda. Please remember this is a hybrid meeting conducted in person and through the Zoom online meeting platform. Meeting attendees wishing to address the Committee about items not on the agenda may do so at this time. Zoom attendees should type their name and address in the Question and Answer feature within the Zoom online meeting platform at this time. Members of the public who are present in person and wish to address the Committee should fill out a public comment form and turn into the meeting chairperson. When you are called upon to speak, state your name, address, and provide your comments to the Committee for their consideration. Please adhere to the 3-minute time limit. Additionally, you may send your public comments to public.works@mcfarland.wi.us to be included as part of the meeting.*

Members of the public may also speak during their selected agenda item as they designate on the public comment form or in the Question and Answer feature on Zoom.

None.

3. APPROVAL OF MINUTES.

- a. *Motion to approve the minutes of the December 18, 2024, Public Works & Utilities Committee meeting.*

Motion by President Clow, seconded by Fredrick, to approve the minutes of the December 18, 2024, Public Works & Utilities Committee meeting. Motion carries 6 - 0 - 1 by acclamation, with Boness abstaining.

4. BUSINESS.

- a. *Discussion and action to make a recommendation to the Village Board regarding a rate adjustment to the fixed and variable sanitary sewer rates.*

Berquist reviewed the updated cash flow analysis including a review of the expenses section.

- Boness asked how the rate of increase percentage for MMSD compares to MMSD plans. Berquist responded that the rate of increase is conservative compared to estimates provided by MMSD.
- Boness asked if a note could be placed on the paper bill providing an explanation. Irwin stated that there is not enough room available on the paper bill and not all customers receive a paper bill. Igl explained that staff are working with Communications to develop public notification and an explanation prior to rates going into effect.
- Fredrick recommended information be made available on the village website to explain the need for the rate increase
- Nielsen asked why staff recommended waiting to adjust the rates until second quarter. Clow responded this is partially due to approvals as the Village Board will review this item in February. Fredrick recommended using the time before rates go into effect to provide explanation to customers.

Motion by President Clow, seconded by Fredrick, to recommend approval to the Village Board regarding a rate adjustment to the fixed fee of \$21.45 per month and a variable fee of \$7.15 for sanitary sewer rates as presented in the packet to start the second quarter of 2025. Motion carries 7 - 0 - 0.

b. Discussion and action to make a recommendation to the Village Board regarding the 2025 Street & Utility Improvements project and authorize the project for bid.

Berquist provided an overview of the proposed pavement, street, and utility improvements work for the 2025 Street & Utility Improvements project.

- Fredrick asked if it was discussed to separate out the directional bore work from South Ct to Yahara Dr. Berquist responded that it has become more common for larger contractors to have their own directional bore crew. Berquist believes it would be best to bid the work with the other components of the project.
- Freeman asked if the directional bore would be impacted by the future US Highway 51 work. Berquist stated the project is being setup to avoid conflict with the US Highway 51 work.

Motion by President Clow, seconded by Trustee Prill, to recommend approval to the Village Board regarding the 2025 Street & Utility Improvements project and authorize the project for bid. Motion carries 7 - 0 - 0.

c. Discussion and action to make a recommendation to the Village Board regarding a request for proposals for sanitary sewer main cleaning and televising services.

Igl explained the desire to continue the program for sanitary sewer main cleaning and televising which is a part the village's MS4. Igl explained that the program cleans and televises about one third of the village each year. Igl clarified that an error was included on the summary sheet related to the approved CIP amount and the correct amount is \$100,00.

- Fredrick asked how many contractors were interested when this was completed

in 2020. Igl responded that three contractors were interested and two submitted proposals.

- Freeman clarified that the proposal request is for the cost to televise and clean. Igl stated that proposals could choose to provide the cost for both services combined or provide the estimate separately.
- President Clow asked if a reduction in I&I has been found with this maintenance work being performed. Igl explained that data isn't available to show that connection. Igl stated many corrections occurred in the field that would help with general reduction.

Motion by Fredrick, seconded by Boness, to recommend approval to the Village Board regarding a request for proposals for sanitary sewer main cleaning and televising services. Motion carries 7 - 0 - 0.

d. Update regarding the draft Babcock Channel and Stormwater Lagoon Restoration Plan from Lake Waubesa to the Yahara River.

President Clow provided an introduction to this history of the Babcock Channel and Stormwater Lagoon discussions. Schuenke explained that a summary of the elements of the draft plan are included within the summary sheet and that the area was last dredged in 1987. Berquist reviewed the area map which includes four areas. Berquist explained that area four is included in the stormwater maintenance plan.

- Boness asked what width is being used for the channel. Berquist stated staff are assuming a twenty foot width.
- Nielsen asked if water is able to flow to the lake. Berquist stated that bridges are wide enough to allow for the flow of water.

Schuenke reviewed the estimated financial expenses and explained that expenses could adjust based on the direction or selection of project components.

- Nielsen asked what the public benefit would be of this project. Schuenke explained that the project would create or improve capacity, could impact recreational activities, and have the lagoon functioning as it should.
- Freeman clarified if area 4 is included in the estimated expenses. Schuenke responded that area 4 expenses are included.
- President Clow asked what the impact would be if only the work in area four was completed. Berquist explained that nothing fatal would occur but recommended communication with residents regarding the future plans of the area.
- Fredrick expressed his concerns regarding the public benefit of the village taking on the expense of the entire project.
- Freeman asked if dredging conversations occurred with the county while they were in the area. Berquist stated conversations did occur but the equipment cannot navigate the area.
- President Clow explained her thoughts regarding special assessments for this work on the property owner in that it may not be sustainable.

- Kindschi asked if dredging would help the oxygen level and improve fishing. Berquist explained the work would not likely improve the fishing. Fredrick commented that the oxygen levels are impacted by the phosphorous levels in the lake.
- President Clow asked how long the dredging work would last before additional maintenance would be required. Berquist estimates 15 to 20 years.
- Boness asked if recreation grants were researched for a portion of this work. Berquist stated that grants had not been evaluated.
- Fredrick recommended a webpage to share the draft plan as well as data such as lake levels with the public.
- President Clow commented that the project is not included within the Capital Improvement Plan and the work would not be able to align with the county for 2026.
- President Clow asked if a public meeting would be held next. Schuenke responded that a public meeting could be scheduled and the draft plan released.

5. SCHEDULE NEXT MEETING DATE.

a. Monday, February 24, 2025, at 6:00 p.m.

6. ADJOURNMENT.

Motion by Fredrick, seconded by Trustee Prill, to adjourn at 7:30 pm. Motion passed by unanimous consent.

Pursuant to law, written notice of this meeting was given to the public and posted on the public bulletin board in accordance with Open Meetings Law.

Respectfully submitted,
Aimee Irwin
Assistant to the Public Works Director

McFarland
SUMMARY SHEET

MEETING DATE: Monday, March 24, 2025

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Lee Igl, Public Works Director, Matt Schuenke, Village Administrator

AGENDA ITEM: Presentation regarding the draft Babcock Channel and Stormwater Lagoon Restoration Plan.

PREVIOUS ACTION:

For at least 10 years, the conceptual idea of revising the previous dredging effort to some extent has been discussed at Committee in different ways with public input and discussion among members.

An update regarding the draft Babcock Channel and Stormwater Lagoon Restoration Plan was provided to the committee on January 27, 2025.

ISSUE SUMMARY:

The Village has been studying possible improvements to the Babcock Channel, which runs north to south between Lake Waubesa and the Yahara River, and the village's stormwater lagoon, which intersects the channel from east to west and sits adjacent to an outfall for the village's stormwater conveyance system near US Highway 51. A map of the area was developed to aid ongoing discussions with the Public Works & Utilities Committee, village staff, and residents.

The key concern during these ongoing discussions has been the amount of sediment that has built up since the last and only dredge operation, conducted as a village public works project in 1987. Additional concerns discussed and studied have included the functionality of the channel to convey stormwater, recreational navigability for watercraft, and a concern regarding water quality.

The village studied sediment depths in both 2017 and 2023. The 2023 study indicated little change in the various areas measured throughout the channel. Based on these findings and recommendations included in the stormwater management plan adopted by the village board in 2023, the stormwater lagoon, designed as Area 4 on the project map, will require dredging. This work is anticipated in 2026.

Following the Public Works & Utilities Committee meeting on January 27, 2025, the draft Babcock Channel and Stormwater Lagoon Restoration Planning document was published and shared to gather additional public comment on the project before considering next steps. The plan will serve as a tool to be utilized by the committee and village board, providing necessary information and guidance should they desire to move a restoration project forward. [Babcock](#)



[Channel and Stormwater Lagoon](#) site was created for background and information pertaining to the plan. Letters were mailed to adjacent property owners regarding the draft plan and public information meeting.

Town & Country Engineering will present the draft plan to the committee and gather public input from attendees of the meeting for additional feedback on the plan. The plan will be brought back to the committee for review at a future meeting. Public comments from those unable to attend the meeting are enclosed in the packet. Development and completion of the plan is simply meant to help inform decisions in the future. The plan itself does not make a recommendation as to whether to proceed with the dredging project but is meant to provide information to help within that decision making process.

FINANCIAL/BUDGET IMPACT:

Expenses

\$ 579,000 Base Bid - Center channel only.
\$ 665,000 Alternative Bid - Expanding dredge to cover entire channel.
\$ 125,000 Allowances - Shoreline improvements, grass restoration, and erosion control.
\$ 219,000 Engineering - Design, bidding, and inspection.
\$ 162,000 Consulting/Permitting - Permits, sediment testing, legal, surveying, and TLEs.
\$ 262,500 Contingency (15%)
\$2,012,500 Total Cost - Full Width

If we were not to select the alternative bid, Staff estimates the cost to lower to around \$1,247,750, given the amount of dredged material would be less. A higher than usual contingency is applied given the current unknown conditions. If the project were to proceed further into design and gain approvals along the way, eliminating unknowns, the cost could change further up or down with additional detail. To figure that out though, it would not be without significant investment to do so.

Revenues

Offsetting the above expenses could come in a variety of different approaches, depending on how, ultimately, the Village wishes to finance the project. Our options include borrowing through the tax levy, borrowing through the stormwater utility, special assessments of adjoining landowners, and/or financial assistance through Dane County. Any of these options or combination thereof could be explored or used depending on if the Village wants to move forward, which could further review the pros and cons of each approach.

VILLAGE PLAN REFERENCE:

[Stormwater Best Management Practices 2023](#)
[Babcock Channel and Stormwater Lagoon Restoration Plan](#)

A recent newspaper article is also included in the packet providing information regarding water levels within the Chain of Lakes from Lake Mendota through the Yahara River down to Lake Kegonsa.

ORDINANCE REFERENCE:



None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

No action is required on this item at this time. This item will return to the Committee for review following public input at a future meeting.

ATTACHMENTS:

1. Babcock Channel and Stormwater Lagoon Restoration Plan 02042025 DRAFT
2. Exhibit 1 - STUDY AREAS
3. Exhibit 2 - Segments 1.2.4
4. Exhibit 3 - Segment 3
5. Exhibit 4 - 2017 Sediment Sample Report
6. Public Comment Zeimet 3.10.2025
7. Public Comment Carl 03.14.2025
8. Public Comment Radzinski 3.21.2025
9. Madison, Wisconsin, lake levels unusually low this spring 03192025

**BABCOCK CHANNEL AND LAGOON RESTORATION PLANNING
LAKE WAUBESA TO YAHARA RIVER**

Village of McFarland, Wisconsin

2025

BABCOCK CHANNEL AND LAGOON RESTORATION PLANNING LAKE WAUBESA TO YAHARA RIVER

Village of McFarland, Wisconsin

2025

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ATTACHMENTS

Exhibit 1 – Segment Areas and Parcel Numbers

Exhibit 2 – Sediment Levels Areas 1, 2, and 4

Exhibit 3 – Sediment Levels Area 3

Exhibit 4 – 2017 Sediment Sample Report

CONTRIBUTORS

Village of McFarland

Board

Public Works and Utilities Committee

Staff

Town and Country Engineering

Drax, Inc.

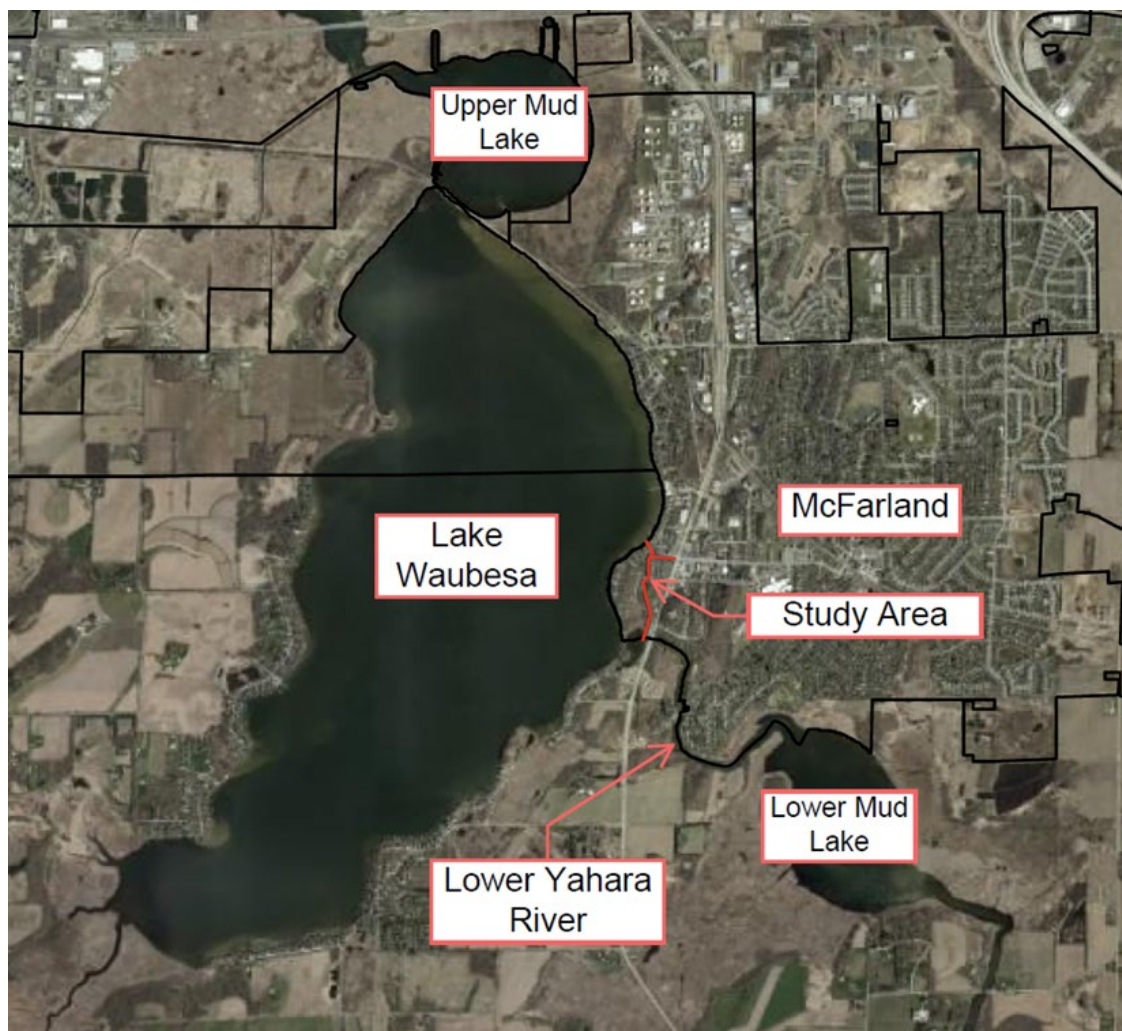
Speedway Sand and Gravel, Inc.

1 Plan Introduction

The Village is located adjacent to the southeast side of the City of Madison in Dane County. The current population is estimated just under 10,000. The Village has approximately 43.50 road miles and is a little under 5 square miles in total land area. The Village is serviced by US Highway 51 as the main connection point between the cities of Madison and Stoughton. The Community is home to a high quality of life within the Madison metropolitan area as demonstrated by its excellent schools, variety in commercial enterprises, vast parks, safe neighborhoods, and abundant natural resources. More information about the Village is available at www.mcfarland.wi.us.

A significant contribution to the abundance of natural resources offered within the Village includes the natural water ways that border the Village on the north, west, and south sides of the Community (Graphic 1). Upper Mud Lake borders the Village on the northwest side which feeds into the main body of water known as Lake Waubesa. This lake is located on the west side of the Village also sharing borders with the Town of Dunn and City of Madison feeding into the Lower Yahara River to the south. Ultimately, the river flows into Lower Mud Lake bordering the Village on the south before it continues on to Lake Kegonsa beyond the Village's boundaries.

Graphic 1



The Study Area noted in Graphic 1 is known locally as the Babcock Channel due to its adjacency with Babcock County Park (Graphic 2) while flowing between Lake Waubesa from its north to south. It is also connected to what is referred to as the lagoon which connects to an outfall for the Village of McFarland's stormwater sewer system. The bulk of the channel lies contiguous to mainly private property with the exception of Babcock County Park that is owned and maintained by Dane County and undefined conservancy area owned by the Village. The channel itself is a navigable waterway as defined by State law allowing for the use of small water craft on a recurring basis. The channel unmistakably follows the ups and downs of Lake Waubesa, and the cleaning of the lagoon area from the outfall is needed on an as needed basis depending on material buildup. As a result, access to the channel is impeded at times based on the conditions which has caused the Village to study solutions to improve its functionality. The purpose of this study is to provide data and information to assist in future decisions on how to advance improvements of the channel if desired.



1987 Dredging Project



The Village awarded Homburg Contractors, Inc. a contract to conduct "lagoon dredging" on January 23, 1987 in the amount of \$84,070. The act of dredging is to clean out the bottom and sides in some instances of a water way with a piece of equipment designed to scoop or drag material from the bottom. The work outlined within the design and specifications for the project addressed the entirety of the channel and lagoon areas, it also represents the only known maintenance of the entire area since its existence dating back over 50 years ago. The Village was not as developed during that time with an estimated population of 4,407. A graphic is provided showing an aerial photograph of the area circa 1987 that was dredged at that time. Conventional dredging methods were used to excavate materials according to designed elevations and targeted material extraction. Additionally, a gabion wall (i.e. rock wall) was installed to limit the flow of solid materials from the storm sewer outfall. The materials are either disposed of through land spreading as "clean fill" or through the landfill if testing suggests the material is not suitable for land spreading.

2 Sediment Level Findings

The current channel has an accumulated layer of soft and loose sediment that is distinct from a lower layer of harder and firmer soils. The lower layer of harder and firmer soils is the likely elevation level to which the channel was previously dredged in 1987. To determine the level of effort that would be required to dredge the channel to full-depth again, the amount of accumulated sediment in the channel must be measured. The Village has performed these measurements a couple of times in recent years and that effort and those results are described in this section of the report.

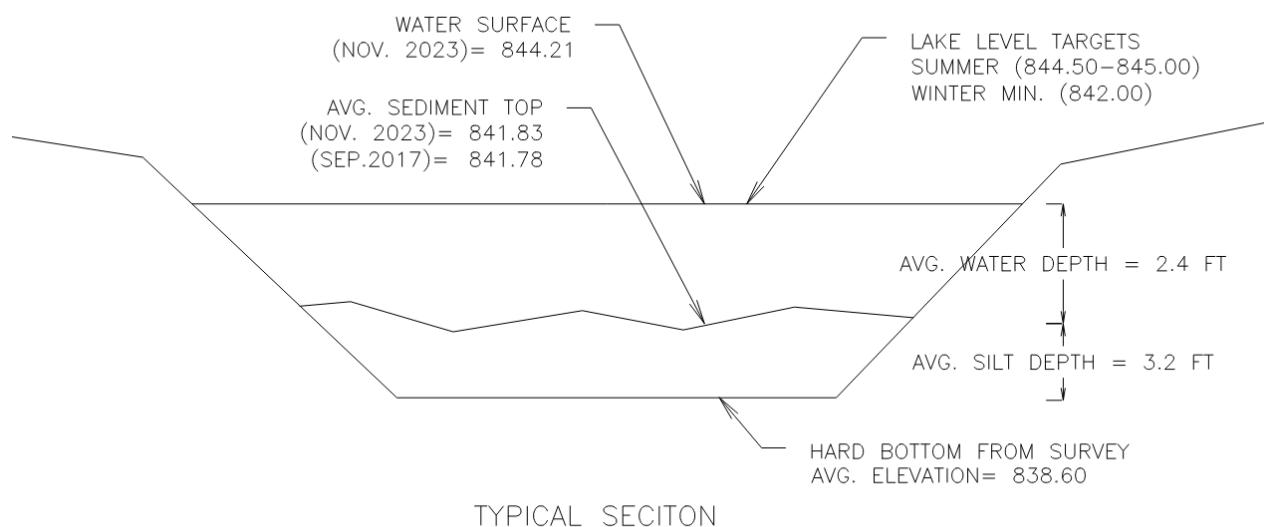
Measurements are performed by entering the channel in a boat with survey equipment capable of recording precise location and elevation data. A survey rod was used to detect and measure both the top of the loose accumulated sediment and the hard bottom of the channel at numerous locations. The depth of sediment in areas 2, 3, and 4 were measured in both 2017 and in 2023. The same procedure and equipment for taking these measurements was used in both of these years.

The detected bottom of sediment was generally in the range of 837.5 to 839 throughout all areas. On average, the hard bottom level detected by survey was 838.60. These levels are consistent with a target elevation of 838.50, which would be 6 feet below the current summer minimum lake level elevation for Lake Waubesa of 844.50. These numbers remained consistent from 2017 to 2023.

The top of the sediment detected between 2017 and 2023 also remained consistent. The overall average elevation of sediment in 2017 was 841.83. In 2023, the average elevation of the top of the sediment was 841.83. These findings indicate that the current sediment level in the channel seems to have reached an equilibrium with the typical lake levels and overall hydraulic flow of the channel.

The measured 2017 and 2023 top of sediment elevations are shown on Exhibits 2 and 3 attached to this report. Additionally, the information described above is shown displayed in Figure 1 below.

Figure 1



3 Historical Lake Levels

The lake level has a direct impact on the navigability of this channel. Lake levels are monitored, tracked and reported by the Dane County Land and Water Resources Department. This information is publicly available on their website at this address:

<https://lwr.danecounty.gov/chartlakelevels>.

The Land & Water Resources Department is responsible for maintaining lake levels for the four major lakes in Dane County: Lake Mendota, Lake Monona, Lake Waubesa and Lake Kegonsa. Minimum and maximum lake levels were set by the Wisconsin Department of Natural Resources in 1979. For Lake Waubesa, the target summer maximum elevation is 845.00, the summer minimum elevation is 844.50 and the winter minimum elevation is 842.00.

As of this writing, current lake levels are between the appropriate summer minimum and maximum elevations. However, the average lake level has been steadily declining since 2019. Figure 2 below shows the average lake level on Lake Waubesa between September 2004 and September 2024.

Figure 2

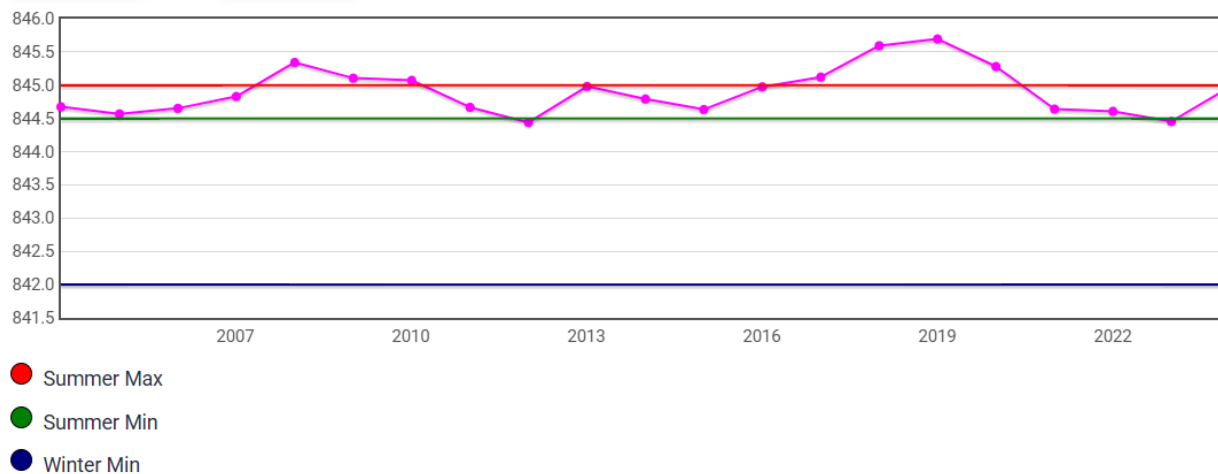
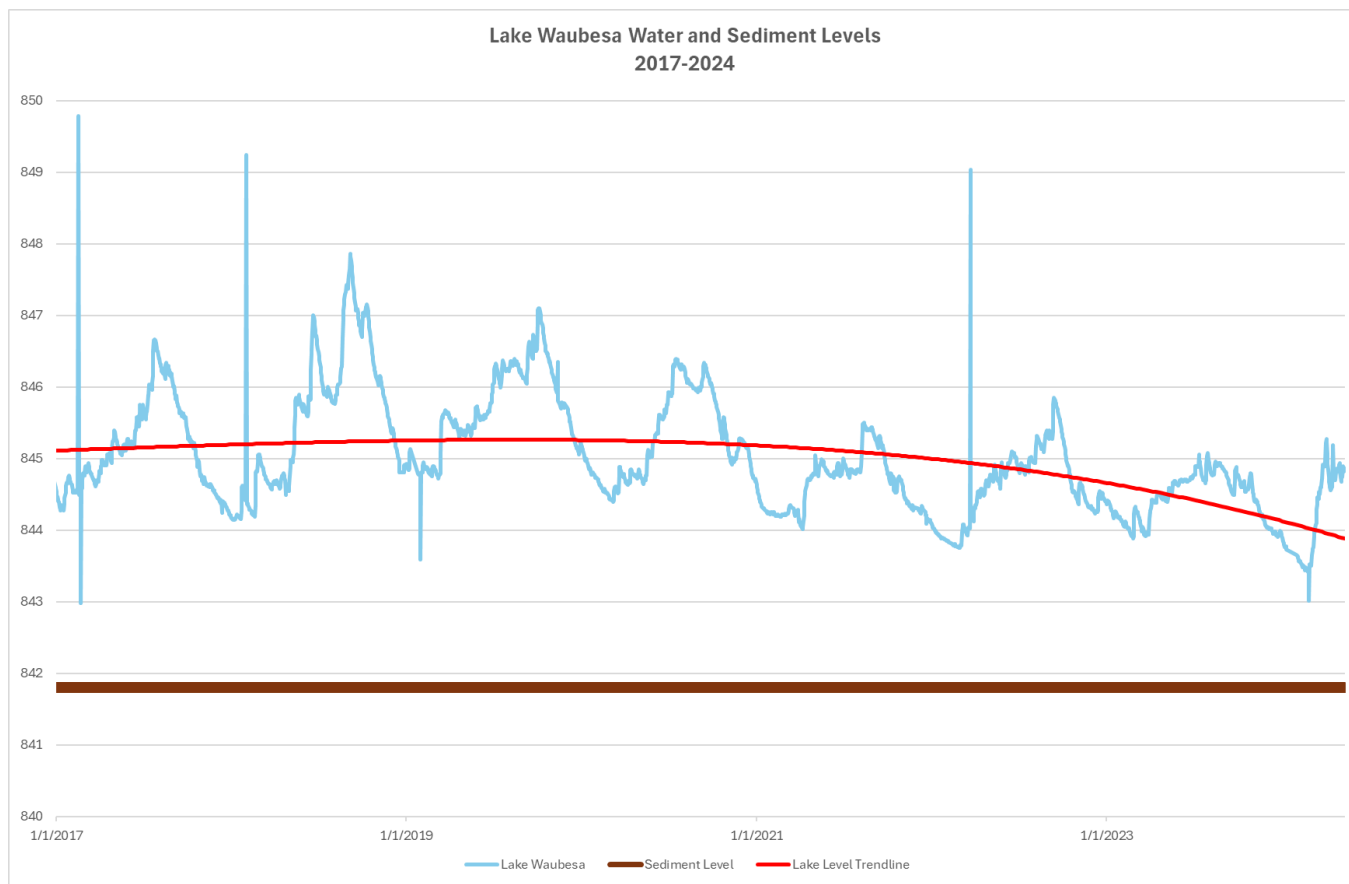


Figure 3 shows the measured lake levels in comparison to measured sediment level from 2017 to 2024. It includes an average lake level trendline in red. Although the sediment levels have remained consistent, the recent steady decline in water elevation in the channel has had major effects on navigability and exacerbated the issues experienced by users of the channel.

Figure 3



Field Observations

Please note the following field observations within 2024 comparing the water height and channel performance as we transitioned from Winter to Spring and Summer. Area #2 was used for this purpose that is located between Burma Road north to Lakeview Road/Lagoon. The pictures in question were taken from the Lakeview Road bridge looking south to where the channel splits with the Lagoon. This is also an area where the depth of the channel was measured at 843.24 in 2017 and then at 843.55 in 2023. The two measured sediment depths have changed very little whereas the water height that sits on top of the sediment has fluctuated by a wide amount. The pictures are presented with the lake elevations measured on those specific dates the pictures were taken.

February 28, 2024



843.02 Lake Elevation

843.55 Measured Channel Bottom

- 0.53 Clearance

The channel bottom was measured as part of the survey within the area the channel bends to the Lagoon. At this point the lake elevation was 0.53' below the measured bottom or about 6 inches below the channel bottom. As expected, there is little to any water being held in the channel due to the low lake level.

April 30, 2024

844.88 Lake Elevation

843.55 Measured Channel Bottom

1.33 Clearance

As expected, the lake elevation has risen and as a result the channel has filled up with water. This added about 16 inches of depth within the channel from when it was measured in February.



June 24, 2024



846.05 Lake Elevation

843.55 Measured Channel Bottom

2.50 Clearance

Water has increased in elevation within the lake to add another 1.17' on top of what was measured in April. This brings the total clearance from the existing bottom to around 30 inches from when it was measured in February.

Other pictures from Area #1 the area of the channel from Lake Edge Road north to Lake Waubesa.

February 28, 2024



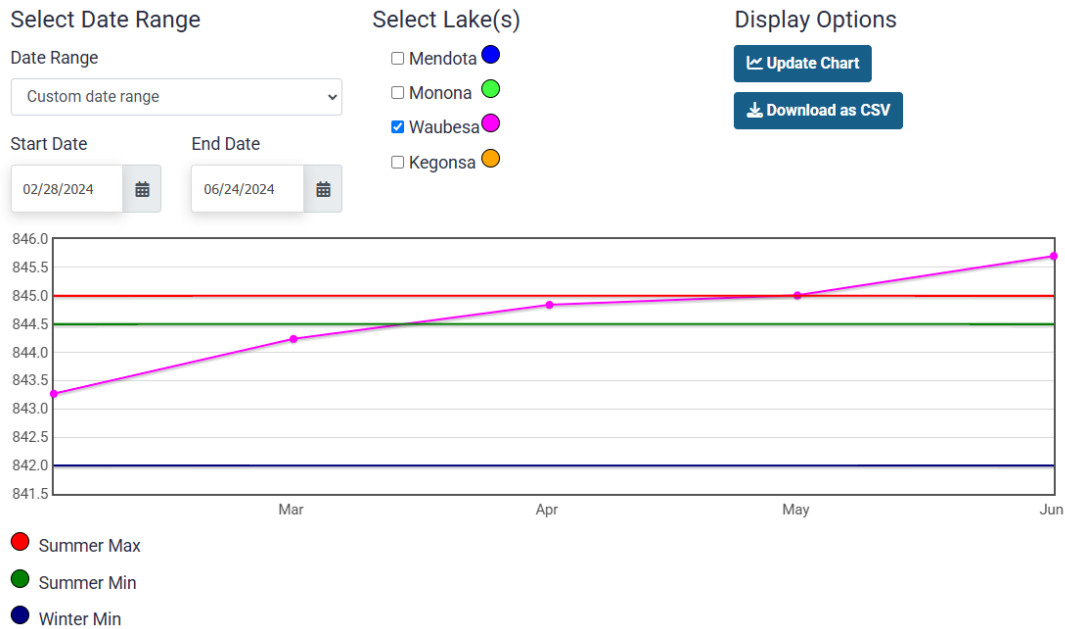
April 30, 2024



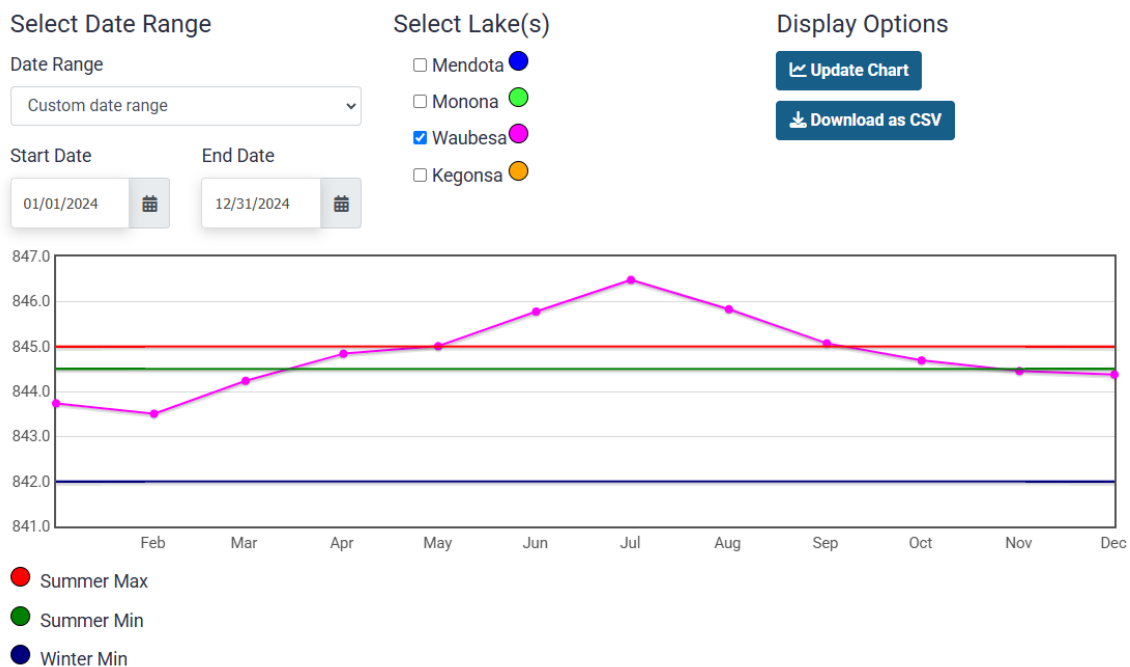
June 24, 2024



The following chart from the Dane County lake levels shows the progression of the growth during that time from February 28, 2024 to June 24, 2024 when the pictures were taken.



Adjusted then for the full year, one can see the progression of decline in lake levels within the winter months only to grow during the summer before starting the cycle over again. This is directly attributed to weather conditions but also control of lake volumes within the entire chain maintained by Dane County. We have very little to no control over this and while we may be able to adjust the bottom through a dredging project, we will never ultimately be able to control how much water actually goes into the channel.



4 Channel Area Overview

Dredging is the process of excavating and removing sediment and debris from underwater environments like rivers, harbors, and lakes. It is commonly used to deepen or maintain navigable waterways, create artificial land, and change drainage patterns. Typical dredging methods include mechanical excavation using barge-loaded equipment, hydraulic dredging with pumps and pipelines, and mechanical excavation in a dewatered condition.

The preferred dredging method for a project will vary based on the site conditions and on contractor approach. For the purposes of this evaluation, the channel has been broken out into distinct areas. A map of these areas is shown on Exhibit 1. Area 1 is from Lake Edge Road to Lake Waubesa. Area 2 is between Lake Edge Road, the gabion wall, and Burma Road. Area 3 is from Burma Road to the Yahara River. Area 4 is the Village stormwater treatment lagoon, from USH 51 to the gabion wall. The following is a description of the potential approaches and issues within each project area.

Area 1

This is the smallest segment of the project and it does not have good access points from the adjacent shoreline. The likely approach for dredging this segment would be to access the area with barge-mounted excavation equipment. That process involves an excavator loaded on a floating barge that digs the material out of the channel and places it on the barge. Once the barge is at full capacity, it would then be moved to the northern end of South Court where the material could be loaded onto a truck. As noted, the likely access point for this work would be off of the northern end of Court.

It should be noted that navigable water ways are accessible to the public and in this area the channel passes through private property. Upon receipt of approved permits, the Village would have the legal right to dredge this area within the navigable channel even though it passes through private property; however, we would have to stay within the extent of the channel and not be able to affect or access the adjoining private property. The recommended approach would be to seek an agreement through a temporary limited easement with the property owner to properly access and maintain the channel including the shoreline as applicable. This is the approach used in 1987 and was agreed to at that time by the property owner. This would be the best practice in this area and all areas to partner with the adjoining property owners to ensure the most successful outcome for the project. The remaining channel areas exist within the public domain and have access points available through existing public right of way.

Area 2

This segment has a couple of potential locations for access. The Village has right-of-way that extends into this area from Severson Road. Additionally, there is some undeveloped greenspace on private property directly to the northeast of the Burma Road bridge that could be a potential point for access if the private property owner was agreeable.

This area is distinct from the others in that it is almost entirely fronted by private property owners and has a significant number of piers on both sides. If the area were to be dredged to its full-width, these piers would need to be removed. The dredging of this area may take the form of a couple of different approaches. One approach would be similar to the one described for area 1. A floating barge and excavator could remove the material from the channel bed and load it onto a truck at one of the access points. Another dredging approach would be to use temporary berms to block flow getting into the area from the Lake Edge Road and Burma Road Bridge. All of area 2 could then be pumped out and excavation equipment could be driven directly down into the channel at an access point. That equipment would then remove the accumulated sediment and load it onto trucks for removal from the site. This is the same approach that was applied within the 1987 project.

Area 3

This segment is almost entirely fronted by public property owners. There are 7 private property owners along this area. If the channel were to be dredged to the full width, the piers would need to be removed. The best access to this area would be from Babcock Park. The exact location of preferred access would need to be coordinated with Dane County, but a likely point would be near the existing police boat pier. This access point has the additional benefit of immediate proximity to USH 51 for trucking traffic. The potential approaches to dredging this area would be the same as those described in area 2. The area could be dredged with a barge-mounted excavator or by berm and draining the channel prior to excavation.

Area 4

This area contains solely the lagoon from the existing gabion wall to USH 51 where it meets the Village's stormwater outfall. This lagoon is a stormwater treatment device meant to capture sediment and built to accommodate routine dredging and maintenance. As a result, this area is the most straightforward in approach and construction. The area is readily accessed off of Severson Road. Dredging could be completed using a long-boom excavator from Severson Road directly loading dredged material onto trucks. It could also be dredged by draining the area first and tracking equipment into the lagoon area.

5 Cost Analysis

Expenses

The total expenses for the dredging project is estimated at \$1,247,750 for the navigational width to \$2,012,500 for the full width including all sections of the enclosed plan. These costs are summarized in the following table:

ITEM NO.	DESCRIPTION OF WORK	ESTIMATED AMOUNT
BASE- Navigational Width Dredging		
1.	Dredging Area 1	\$30,000
2.	Dredging Area 2	\$163,000
3.	Dredging Area 3	\$263,000
4.	Dredging Area 4	\$123,000
	BASE TOTAL	\$579,000
ALTERNATIVE- Full Width Dredging		
A1	Dredging Area 1	\$30,000
A2	Dredging Area 2	\$388,000
A3	Dredging Area 3	\$703,000
A4	Dredging Area 4	\$123,000
	ALTERNATIVE TOTAL	\$1,244,000
ALLOWANCE		
AL1	Shoreline Rip-Rap Replacement	\$50,000
AL2	Grass Restoration	\$25,000
AL3	Erosion Control	\$50,000
	ALLOWANCE TOTAL	\$125,000
ENGINEERING		
E1	Construction and Design Engineering	\$169,000
E2	Construction Inspection	\$50,000
	ENGINEERING TOTAL	\$219,000
CONSULTING/PERMITTING		
P1	Permit Fees	\$2,000
P2	Sediment Sampling and Testing	\$20,000
P3	Legal	\$15,000
P4	Surveying	\$25,000
P5	Temporary Limited Easements	\$100,000
	CONSULTING/PERMITTING TOTAL	\$162,000

PROJECT TOTAL COSTS		
	Navigational Width Sub-Total	\$1,085,000
	Contingency (15%)	\$162,750
	NAVIGATIONAL WIDTH TOTAL	\$1,247,750
	Full Width Sub-Total	\$1,750,000
	Contingency (15%)	\$262,500
	FULL WIDTH TOTAL	\$2,012,500

These estimated costs are based on the following assumptions:

1. Average cost of dredging across all areas is \$75/cubic yard.
2. Dredging area for navigational purposes assumes a dredging width of 24'.
3. Dredging volumes assume an average sediment depth to be 3.2 feet with a target bottom of channel elevation of 838.50.
4. All costs assume that dredged materials are suitable for land application.
5. Allowances, consulting, and permitting are applied to the sub-total for both the navigational and full width options.
6. Higher contingency at 15% used for the project given the unique and rare nature of the project.

Revenues

With the use of funds identified above through the expenses listed, we would need to decide how to find sources of revenues to pay for the project in order for it to move forward. The following options could be considered with some of them in full or others used in combination to advance the project.

- **Borrowing** – The Village has the ability to borrow for capital projects of this nature. Actual terms could be studied further to understand the additional cost to incur interest on the loans based on the amount borrowed, term, etc. There are two options to consider regarding how the borrowing ultimately is repaid:
 - **Tax Levy** – Funds could be borrowed for the project that would be paid back through the tax levy. This would be similar to how we use borrowing to fund road projects, vehicles, or other general capital needs of the Village. It would affect the tax rate and our projections on debt utilization that are backed by the assessed value of the Village as a whole.
 - **Stormwater Utility** – The utility has the ability to borrow for funds that are paid back through the unit charge paid to maintain the utility. We would have to build the debt service calculation into our projects along with other capital and operating needs, but otherwise some amount could be attributed to this source likely as a revenue bond versus a general obligation bond the tax levy funds. Area 4 will be paid 100% through the Village and funded by the Stormwater Utility. The determination would need to be made if the utility should further fund the work in Areas 1-3.
- **Special Assessments** – The Village does not utilize special assessments very often, but municipalities do apply special assessments to property owners abutting improvements they stand to benefit from. Again, most of the channel area is adjacent to private property with exception to Babcock Park owned by Dane County and some undefined conservancy property owned by the Village. In theory, they have exclusive access to the waterway that the general public does not as there is no direct public access point to the channel other than through Lake Waubesa. A funding methodology could be developed for abutting property owners to share in the improvement to an extent to be determined. The total lienal feet within Areas 1-3 is 4,693 for all parcels abutting the channel. The cost per lineal foot of the navigable width is \$265.87 per lf and for the full width would be \$428.83. A property with a lineal footage of 50' as an example would expect to pay \$13,294 to \$21,442 if 100% of the cost were applied in this manner. There is the ability to charge special assessments through the tax bill and establish long term payment plans to offset the high up front cost.

- Dane County – If the Assessment route was pursued, they ultimately would be responsible for their share of the costs as it is determined adjacent to their property similar also to what would apply to the Village. Additionally, the Village could apply for an Urban Water Quality Grant or other possible grants available from the County to help offset the cost. [Information about that program is available through this link](#) and any amount of funding received would lessen the need for any of the other options to be applied.

Regardless of the amount of money we wish to expend on the project or what source of funds we want to pull from, it is a large project to take on within either option presented. The costs are meant to be conservatively high to ensure enough funding is forecasted to take on the unknown which depending on what might be encountered could be significant. The use of estimates on the expenses and providing conceptual options on the revenues is meant to add options to the discussion to understand what might be available to pursue should we want to move forward with all or part of the project.

6 Permitting Requirements

The Village submitted preliminary project information on this potential work to the WDNR for their review in June 2024. WDNR confirmed that the permitting path that this project would take would be to obtain a Chapter 30 dredging permit. This permit would be necessary for work in any of the areas. They have thus far confirmed that the Village would be able to receive a permit for this work assuming the application conditions are met following review by their appropriate divisions.

The regulations of the Chapter 30 permit require additional environmental consulting for soils testing both before and during project construction. This testing would verify that the material is suitable for land application and that it is uncontaminated. Testing of the material was performed in 2017 and indicated no contamination at that time, but additional testing would need to be performed for a modern effort. A copy of that report is provided as Exhibit 4.

The US Army Corps of Engineers reviews all waterway permits submitted to WDNR and determines the need for additional permitting from their agency at that time. It is anticipated that this project would necessitate a permit from USACE. The requirements of the WDNR Chapter 30 permit cover those of the USACE permitting.

The project will require a Village Shoreland Erosion Control Permit. This permit will contain erosion control and shoreline disturbance.

7 Additional Considerations

It would be useful to be able to have an accurate prediction of how long this dredging effort will remain effective or how frequently the dredging will need to be done in the future. Unfortunately, there is no data on the past accumulation rate of sediment in this channel to provide a good forecast of future conditions. The closest local corollary to this area might be Belle Isle in the City of Monona which was dredged in approximately 2012. The dredging effort in Monona has remained effective to date and has not had to be re-dredged. For the Babcock Channel, it is recommended that the Village initially plan to dredge the area every 10-15 years. It is also recommended that sediment levels be monitored annually in the channel to track the actual rate of sediment accumulation and attempt to derive a more accurate forecast. The ongoing need to this is directly attributed to our lack of control over the rise and fall of the lake that has water flow through the area.

If this dredging effort is to be pursued, the Village will need to work to identify a method/location of disposal for the dredged material. Trucking the material from the project site could add significant costs to the project if the distance is excessive. Working with the County to identify potential users or locations or utilizing the material on Village-owned property would be recommended.

Conceptual Timeline

Babcock Channel – Areas 1-3

Design work and extensive coordination with adjacent property owners would still need to be conducted in order to advance the dredging project studied within the channel. Timeline for completion would forecast continued planning level dialogue in 2025 with consideration for design/permitting to be conducted in 2026 with anticipated construction in 2027. This is a hypothetical timeline as there are no permits, agreements, or other design level detail approved at this time. The additional planning to move forward would allow for additional discussions on desired funding methods and ability to include within the next Capital Improvement Plan to properly forecast the financial impact. Just like any other public works improvement project, the Village has to go through the process to design the improvement and submit that work for review within a number of different jurisdictions. The plan in and of itself is not approval to proceed but meant to outline the areas that will need to be addressed in the future for it to proceed.

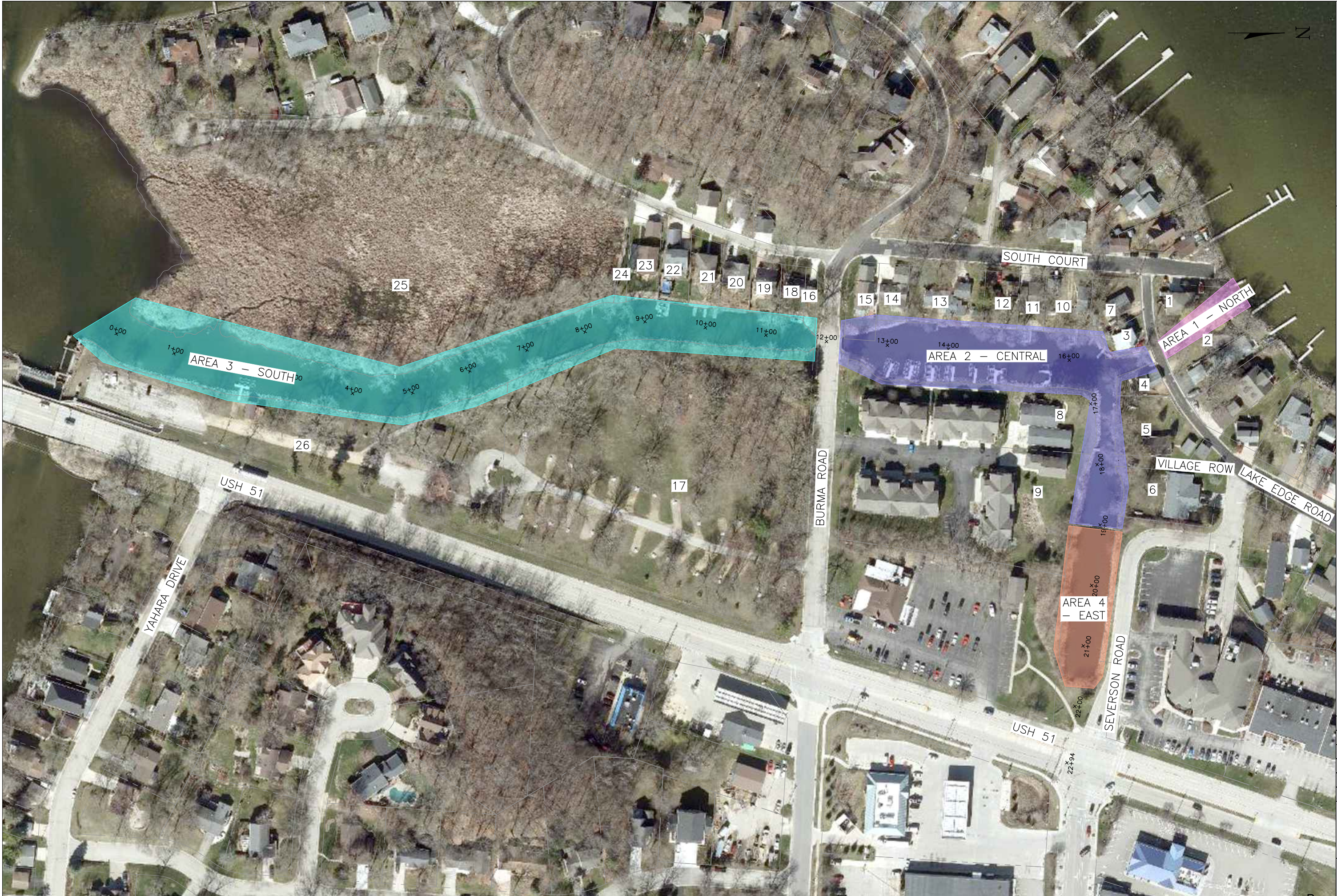
Lagoon – Area 4

This area is recommended within the second year of implementation of the Village's Stormwater Management Plan. The first year of work within that plan was recently awarded for completion in 2025. Staff will be preparing the 2026 Stormwater Maintenance design this year which presently includes dredging the lagoon area next year as recommended within that plan to improve performance of the stormwater system.

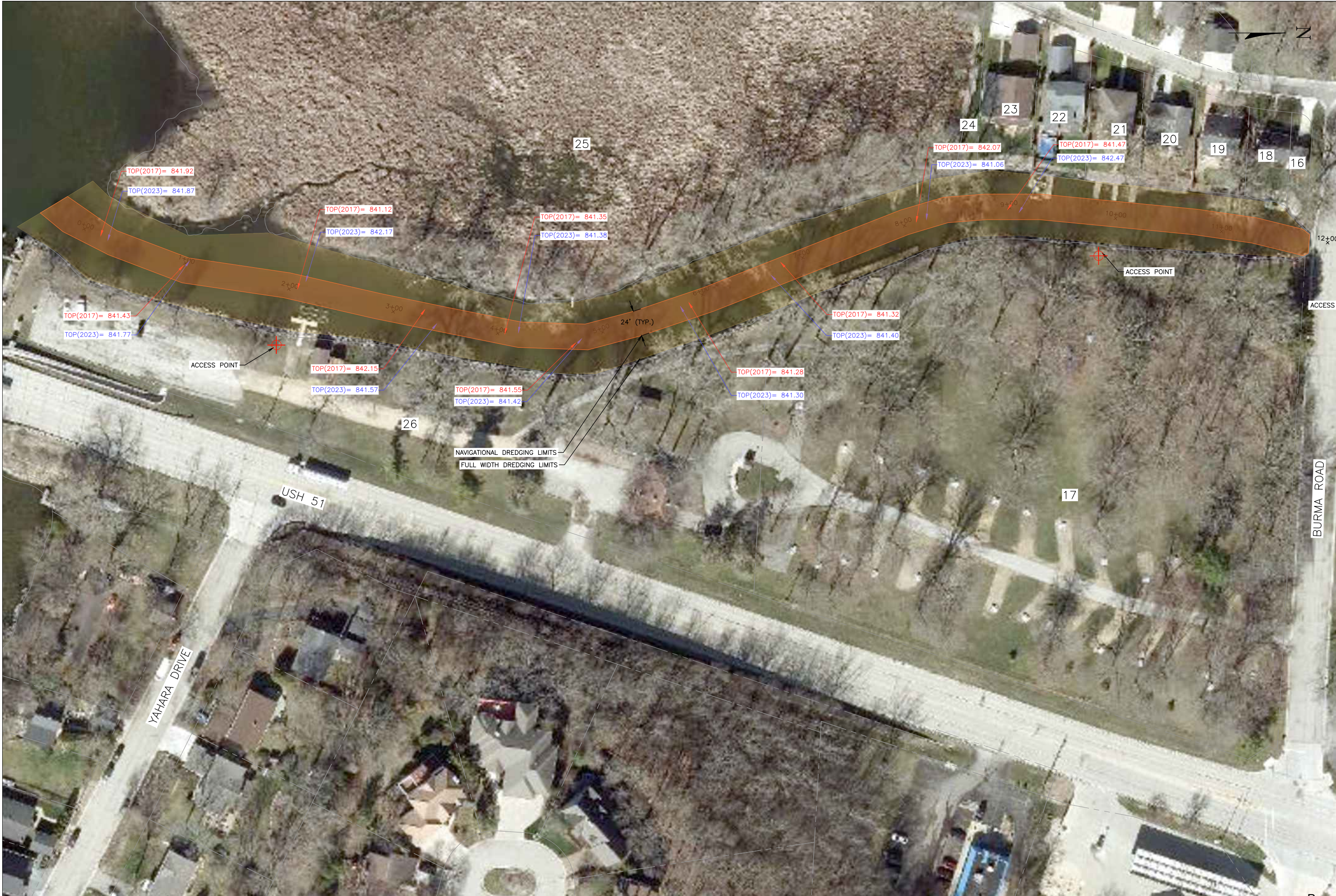
There are limited economies of scale in doing the projects at the same time. If it were desired to do all at one, then Area 4 would be aligned with a timeline for Areas 1-3 which would push its implementation out a few years. This is possible but completing the lagoon before the channel from a constructible standpoint would not alter the feasibility of the plan.

8 Plan Closing

This plan is meant to provide information on what it would entail to move forward with another effort to dredge the Babcock Channel. The last effort to do this was 37 years ago, and if we embark on it again we will at some point have to continue this effort into the future to maintain some sort of desirable functionality of the channel. All the plan serves to do is provide the information necessary to consider taking that effort on again and to what extent. It ultimately is a plan that can be accepted to receive the information to aide in the decision making process in the future. The Village Board holds the final say whether to move forward, and if desired the Public Works and Utilities Committee may further review this project's inclusion within a future Capital Improvement Plan. Its acceptance certainly does not guarantee that but all acceptance stands to do is provide information to help all involved reach a conclusion that is desirable to move forward.







ANALYTICAL REPORT

TOWN & COUNTRY ENGINEERING
 TOM TEBEEST
 2912 MARKETPLACE DR
 SUITE 103
 MADISON, WI 53719
 Copy: ttebeest@tcengineers.net

Project Name: MC FARLAND SEDIMENT TESTING
 Project Phase:
 Contract #: 3085
 Project #:
 Folder #: 128411
 Purchase Order #:

Page 1 of 6
 Arrival Temperature: See COC
 Report Date: 07/03/2017
 Date Received: 06/23/2017
 Reprint Date: 07/03/2017

CT LAB Sample#: 883746 Sample Description: SOUTH END

Sampled: 06/22/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	28.0	%	0.1	0.1	1			06/27/2017 13:30	BMM	EPA 8000C
Conductivity	970	uS/cm	1.00		1			06/27/2017 11:00	BKB	EPA 9050A
Fecal Coliform	168	MPN/g_TS	10		1			06/23/2017 11:10	SAW	SM 9221
pH	7.07	S.U.	N/A	N/A	1			06/30/2017 11:00	MER	EPA 9045D
Phosphorus	724	mg/kg	120	410	1	M	06/28/2017 09:00	06/30/2017 14:32	BKB	EPA 365.4
Total Organic Carbon as % OM	12.9	%	0.1	0.1	1			06/26/2017 15:30	SAW	MOSA 29-4,3,2,4
Nitrogen Kjeldahl	3240	mg/kg	130	450	1	M	06/28/2017 09:00	06/30/2017 11:38	BKB	EPA 351.2
Nitrate Nitrogen	<1.4	mg/kg	1.4	5.0	1		06/27/2017 11:15	06/27/2017 15:14	DGS	EPA 9056A
Metals Results										
Arsenic	<2.4	mg/kg	2.4	8.6	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Cadmium	<0.17	mg/kg	0.17	0.56	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Chromium	11.6	mg/kg	5.0 *	17	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Copper	13.8	mg/kg	0.96	3.2	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Lead	15.2	mg/kg	1.0	3.5	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Nickel	8.9	mg/kg	1.0	3.5	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 883746 Sample Description: SOUTH END Sampled: 06/22/2017 1235

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Zinc	92.0	mg/kg	1.2	4.2	1		06/23/2017 11:00	06/26/2017 15:07	NAH	EPA 6010C
Potassium	542.6	mg/kg	76	250	1	B	06/23/2017 11:00	06/26/2017 11:28	MDS	EPA 6010C

CT LAB Sample#: 883752 Sample Description: BABCOCK PARK PIER Sampled: 06/22/2017 1000

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
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Inorganic Results

Solids, Percent	50.8	%	0.1	0.1	1			06/27/2017 13:30	BMM	EPA 8000C
Conductivity	1210	uS/cm	1.00		1			06/27/2017 11:00	BKB	EPA 9050A
Fecal Coliform	57.6	MPN/g_TS	10		1			06/23/2017 11:10	SAW	SM 9221
pH	7.25	S.U.	N/A	N/A	1			06/30/2017 11:00	MER	EPA 9045D
Phosphorus	457	mg/kg	71	240	1		06/28/2017 09:00	06/30/2017 14:36	BKB	EPA 365.4
Total Organic Carbon as % OM	5.9	%	0.1	0.1	1			06/26/2017 15:30	SAW	MOSA 29-4,3,2,4
Nitrogen Kjeldahl	2060	mg/kg	78	260	1		06/28/2017 09:00	06/30/2017 11:42	BKB	EPA 351.2
Nitrate Nitrogen	2.56	mg/kg	0.78 *	2.7	1		06/27/2017 11:15	06/27/2017 16:10	DGS	EPA 9056A

Metals Results

Arsenic	<1.2	mg/kg	1.2	4.2	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Cadmium	<0.082	mg/kg	0.082	0.27	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Chromium	10.2	mg/kg	2.4	8.1	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Copper	12.4	mg/kg	0.47	1.5	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Lead	21.4	mg/kg	0.50	1.7	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Nickel	8.1	mg/kg	0.50	1.7	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Zinc	57.9	mg/kg	0.60	2.0	1		06/23/2017 11:00	06/26/2017 15:13	NAH	EPA 6010C
Potassium	467.1	mg/kg	37	120	1	B	06/23/2017 11:00	06/26/2017 11:39	MDS	EPA 6010C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 883753 Sample Description: MIDDLE APT PIER

Sampled: 06/22/2017 1210

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	14.2	%	0.1	0.1	1			06/27/2017 13:30	BMM	EPA 8000C
Conductivity	924	uS/cm	1.00		1			06/27/2017 11:00	BKB	EPA 9050A
Fecal Coliform	151	MPN/g_TS	10		1			06/23/2017 11:10	SAW	SM 9221
pH	7.07	S.U.	N/A	N/A	1			06/30/2017 11:00	MER	EPA 9045D
Phosphorus	401	mg/kg	230 *	760	1		06/28/2017 09:00	06/30/2017 14:37	BKB	EPA 365.4
Total Organic Carbon as % OM	16.6	%	0.1	0.1	1			06/26/2017 15:30	SAW	MOSA 29-4,3,2,4
Nitrogen Kjeldahl	3800	mg/kg	250	840	1		06/28/2017 09:00	06/30/2017 11:43	BKB	EPA 351.2
Nitrate Nitrogen	<2.8	mg/kg	2.8	9.8	1		06/27/2017 11:15	06/27/2017 16:29	DGS	EPA 9056A
Metals Results										
Arsenic	<4.0	mg/kg	4.0	14	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Cadmium	<0.28	mg/kg	0.28	0.94	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Chromium	15.0	mg/kg	8.4 *	28	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Copper	27.0	mg/kg	1.6	5.3	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Lead	25.1	mg/kg	1.7	5.8	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Nickel	5.9	mg/kg	1.7	5.8	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Zinc	159	mg/kg	2.1	7.0	1		06/23/2017 11:00	06/26/2017 15:38	NAH	EPA 6010C
Potassium	533.4	mg/kg	130	420	1	B	06/23/2017 11:00	06/26/2017 11:41	MDS	EPA 6010C

CT LAB Sample#: 883754 Sample Description: LAGOON

Sampled: 06/22/2017 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Inorganic Results										
Solids, Percent	42.7	%	0.1	0.1	1			06/27/2017 13:30	BMM	EPA 8000C

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 883754 Sample Description: LAGOON

Sampled: 06/22/2017 1200

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Conductivity	986	uS/cm	1.00		1			06/27/2017 11:00	BKB	EPA 9050A
Fecal Coliform	131	MPN/g_TS	10		1			06/23/2017 11:10	SAW	SM 9221
pH	7.07	S.U.	N/A	N/A	1			06/30/2017 11:00	MER	EPA 9045D
Phosphorus	343	mg/kg	79	260	1		06/28/2017 09:00	06/30/2017 14:38	BKB	EPA 365.4
Total Organic Carbon as % OM	9.1	%	0.1	0.1	1			06/26/2017 15:30	SAW	MOSA 29-4,3,2,4
Nitrogen Kjeldahl	1720	mg/kg	87	290	1		06/28/2017 09:00	06/30/2017 11:44	BKB	EPA 351.2
Nitrate Nitrogen	<0.93	mg/kg	0.93	3.3	1		06/27/2017 11:15	06/27/2017 16:47	DGS	EPA 9056A

Metals Results

Arsenic	<1.0	mg/kg	1.0	3.7	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Cadmium	0.079	mg/kg	0.072 *	0.24	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Chromium	11.1	mg/kg	2.1	7.1	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Copper	18.6	mg/kg	0.41	1.3	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Lead	12.2	mg/kg	0.44	1.5	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Nickel	5.4	mg/kg	0.44	1.5	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Zinc	152	mg/kg	0.53	1.8	1		06/23/2017 11:00	06/26/2017 15:45	NAH	EPA 6010C
Potassium	286.9	mg/kg	32	110	1	B	06/23/2017 11:00	06/26/2017 11:44	MDS	EPA 6010C

CT LAB Sample#: 883755 Sample Description: NORTH CHANNEL

Sampled: 06/22/2017 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
Solids, Percent	66.8	%	0.1	0.1	1			06/27/2017 13:30	BMM	EPA 8000C
Conductivity	1150	uS/cm	1.00		1			06/27/2017 11:00	BKB	EPA 9050A
Fecal Coliform	50.3	MPN/g_TS	10		1			06/23/2017 11:10	SAW	SM 9221

Inorganic Results

Unless specifically stated to the contrary, soil/sediment/sludge sample results reported on a Dry Weight Basis

CT LAB Sample#: 883755 Sample Description: NORTH CHANNEL

Sampled: 06/22/2017 1130

Analyte	Result	Units	LOD	LOQ	Dilution	Qualifier	Prep Date/Time	Analysis Date/Time	Analyst	Method
pH	7.48	S.U.	N/A	N/A	1			06/30/2017 11:00	MER	EPA 9045D
Phosphorus	151	mg/kg	51 *	170	1		06/28/2017 09:00	06/30/2017 14:39	BKB	EPA 365.4
Total Organic Carbon as % OM	2.1	%	0.1	0.1	1			06/26/2017 15:30	SAW	MOSA 29-4,3,2,4
Nitrogen Kjeldahl	902	mg/kg	57	190	1		06/28/2017 09:00	06/30/2017 11:45	BKB	EPA 351.2
Nitrate Nitrogen	<0.60	mg/kg	0.60	2.1	1		06/27/2017 11:15	06/27/2017 17:06	DGS	EPA 9056A
Metals Results										
Arsenic	<0.83	mg/kg	0.83	3.0	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Cadmium	<0.058	mg/kg	0.058	0.19	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Chromium	1.9	mg/kg	1.7 *	5.8	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Copper	1.5	mg/kg	0.33	1.1	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Lead	3.1	mg/kg	0.36	1.2	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Nickel	0.77	mg/kg	0.36 *	1.2	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Zinc	8.5	mg/kg	0.43	1.4	1		06/23/2017 11:00	06/26/2017 11:45	NAH	EPA 6010C
Potassium	115.1	mg/kg	26	86	1		06/23/2017 11:00	06/26/2017 11:52	MDS	EPA 6010C

Notes: * Indicates a value in between the LOD (limit of detection) and the LOQ (limit of quantitation). All LOD/LOQs are adjusted to reflect dilution and also any differences in the sample weight / volume as compared to standard amounts.

All samples were received intact and properly preserved unless otherwise noted. The results reported relate only to the samples tested. This report shall not be reproduced, except in full, without written approval of this laboratory. The Chain of Custody is attached.

Submitted by: Eric T. Korthals
 Project Manager
 608-356-2760

QC Qualifiers

<u>Code</u>	<u>Description</u>
B	Analyte detected in the associated Method Blank.
C	Toxicity present in BOD sample.
D	Diluted Out.
E	Safe, No Total Coliform detected.
F	Unsafe, Total Coliform detected, no E. Coli detected.
G	Unsafe, Total Coliform detected and E. Coli detected.
H	Holding time exceeded.
I	BOD incubator temperature was outside acceptance limits during test period.
J	Estimated value.
L	Significant peaks were detected outside the chromatographic window.
M	Matrix spike and/or Matrix Spike Duplicate recovery outside acceptance limits.
N	Insufficient BOD oxygen depletion.
O	Complete BOD oxygen depletion.
P	Concentration of analyte differs more than 40% between primary and confirmation analysis.
Q	Laboratory Control Sample outside acceptance limits.
R	See Narrative at end of report.
S	Surrogate standard recovery outside acceptance limits due to apparent matrix effects.
T	Sample received with improper preservation or temperature.
U	Analyte concentration was below detection limit.
V	Raised Quantitation or Reporting Limit due to limited sample amount or dilution for matrix background interference.
W	Sample amount received was below program minimum.
X	Analyte exceeded calibration range.
Y	Replicate/Duplicate precision outside acceptance limits.
Z	Specified calibration criteria was not met.

Current CT Laboratories Certifications

Wisconsin (WDNR) Chemistry ID# 157066030
 Wisconsin (DATCP) Bacteriology ID# 105-289
 Louisiana NELAP (primary) ID# ACC20160002
 Illinois NELAP Lab ID# 200073
 Kansas NELAP Lab ID# E-10368
 Virginia NELAP Lab ID# 460203
 Maryland Lab ID# WI00061
 ISO/IEC 17025-2005 A2LA Cert # 3806.01
 DoD-ELAP A2LA 3806.01
 GA EPD Stipulation ID ACC20160002
 Pennsylvania NELAP Lab ID# 68-04201, # 008

Company: Tom & Bees +
 Project Contact: Tom & Bees +

CT LABORATORIES

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Project Name: MC FARLAND

Folder #: 128411

am:
 RCRA SDWA NPDES
 Waste Other

Project #: MC 112

Company: WALKIN
 Project: MC FARLAND SEDIMENT

Location: Bobcock Park/Lagoon

Logged By: BNA PM: JLS

Invoice To: *
 EMAIL:
 Company:
 Address:

Sampled By: TJT

*Party listed is responsible for payment of invoice as per CT Laboratories' terms and conditions

Client Special Instructions

ANALYSES REQUESTED

Matrix:
 GW - groundwater SW - surface water WW - wastewater DW - drinking water
 S - soil/sediment SL - sludge A - air M - misc/waste

Filtered? Y/N

ATTACHED LIST

Total # Containers

Designated MS/MSD

Turnaround Time
 Normal RUSH*
 Date Needed:
 Rush analysis requires prior
 CT Laboratories' approval
 Surcharges:
 24 hr 200%
 2-3 days 100%
 4-9 days 50%

CT Lab ID #

Lab use only

Collection Date Time Matrix Grab/Comp Sample # Sample ID Description

X

Fill in Spaces with Bottles per Test

863746

6/22 12:35p

+

863752

10:00a

+

863753

12:00p

+

863754

11:30a

+

863755

Relinquished By:

Date/Time

Received By:

Date/Time

Lab Use Only

Tom & Bees +

6/22/17 2:00pm

Ben

6/23/17 0940

Ice Present Yes NO

Received by:

Date/Time

Received for Laboratory by:

Date/Time

Temp 6.9 IR Gun 14

Cooler #

5894

Table C-1: Testing Parameters

Parameters required under s. NR 528.06				Additional parameters*
Physical →	Nutrients***→	Trace Elements**→	Pathogens →	Other**
pH Percent solids, Percent organic matter, Electrical conductivity (EC) as a saturated paste 9.045C MDA 29-4.3 9.050A	Total Kjeldahl nitrogen, Total nitrate nitrogen, Total phosphorus, Total potassium 351.2 9.056 365.4 6010	Arsenic Cadmium Copper Chromium Nickel Lead Zinc 6010C	Pathogen or indicator organism FECAL MUN SM 9221	Inorganics and pathogens Heavy metals/trace elements (beyond routine). Additional pathogenic organisms, as necessary (bacteria, viruses, helminth, protozoa, etc.) Organics Volatiles, Acid extractable compounds, Base/neutral, Pesticides, Polynuclear aromatic hydrocarbons (PAH)s, Oil and grease

* There may be other applicable and appropriate tests.
 ** Indicates a parameter that must be run at a laboratory certified or registered in accordance with ch. NR 149.
 ***In addition, the DNR recommends consulting the procedures employed by the University of Wisconsin Soil and Plant Analysis Laboratory or a soil testing lab certified by DATCP for tests that are nutrient in nature. The UW Soil Lab procedures are available at: <http://uwlab.soils.wisc.edu/lab-procedures/>. The DATCP certified labs are available at: <http://datcp.wi.gov/uploads/Farms/pdf/Doc9eSoil&ManureTestingLabs.pdf>.

Analytical considerations

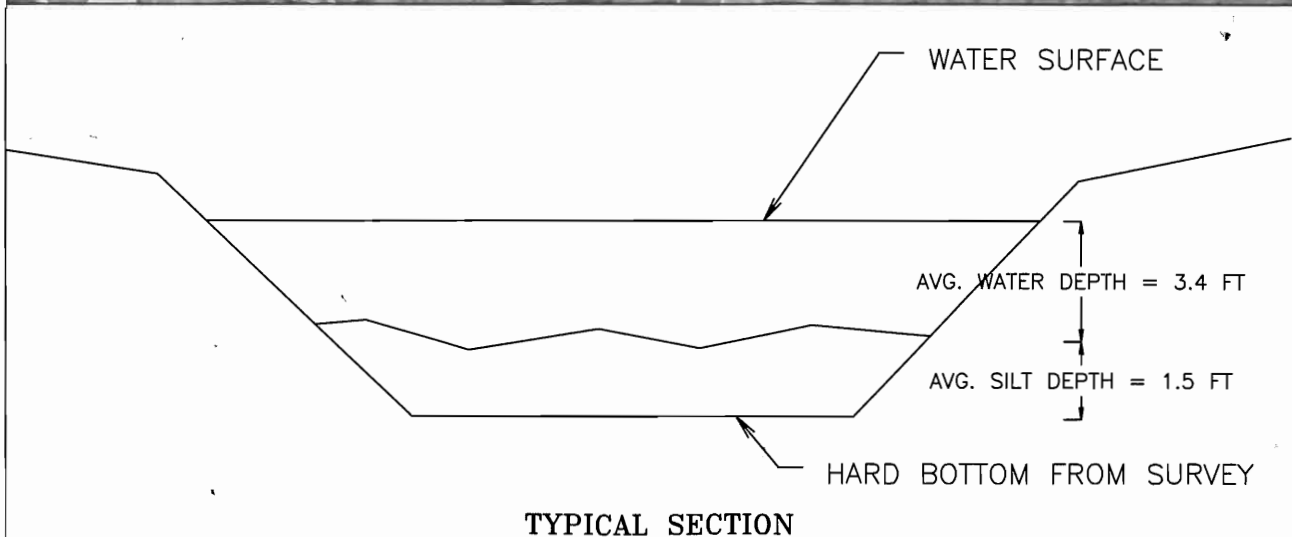
As Table C-1 indicates the parameters listed in the columns labeled as “Trace Elements” and “Other” must be analyzed at a laboratory certified or registered in ch. NR 149. This requirement does not apply to the parameters listed in the other three columns.

Consider the following items when developing a sampling and analysis plan:

- Choose detection levels below the environmental standards levels.
- Choose test methods appropriate to the sediment material.
- Use standard methods as much as possible.

Here are some references to assist in determining appropriate analytical methods:

- EPA SW-846, Methods, Third Edition, rev. March 2009. Online version available at: <http://www.epa.gov/epawaste/hazard/testmethods/sw846/online/index.htm>
- Ch. NR 347, Sediment Sampling and Analysis, Monitoring Protocol and Disposal Criteria for Dredging Projects: <http://www.legis.state.wi.us/rsb/code/nr/nr347.pdf>
- Ch. NR 219 provides the protocol for analyzing samples for both municipal and industrial wastewater and solids (NR 204 and NR 214). These are very similar to the accumulated sediment to be sampled in stormwater control structures: <http://www.legis.state.wi.us/rsb/code/nr/nr219.pdf>
- Coliform and indicator pathogens: APHA. 1992. Standard methods for the examination of water and wastewater. 18th ed. American Public Health Association, Washington, DC: <http://www.epa.gov/volunteer/stream/vms511.html>





RESTORATION TO HARD BOTTOM

- REMOVAL OF APPROXIMATELY 7400 CUBIC YARDS WILL ACHIEVE THE HARD BOTTOM FOUND DURING SURVEY
- ESTIMATED COST = \$300,000
- ESTIMATED COST/SHORELINE FOOT = \$62/FT FOR 4850 FT

RESTORATION TO BELOW HARD BOTTOM TO ACHIEVE 6 FOOT DEPTH

- REMOVAL OF APPROXIMATELY 18000 CUBIC YARDS WILL ACHIEVE A 6 FOOT CENTER DEPTH
- ESTIMATED COST = \$725,000
- ESTIMATED COST/SHORELINE FOOT = \$150/FT FOR 4850 FT

Aimee Irwin

From: Pete Zeimet <zeimet1@yahoo.com>
Sent: Monday, March 10, 2025 8:47 AM
To: Public Works
Subject: Comments for March 24 Babcock Channel meeting

Dear McFarland Public Works,

I received your letter about the Babcock Channel & Stormwater Lagoon Restoration. I'm unable to attend the PW Committee meeting on March 24 due to a vacation, so I wanted to provide my comments here.

My property is in Area 4 (Lagoon). I favor the plan to dredge this section in year 2. The residents in this area enjoy fishing and using a small boat to access the lake. The sediment buildup has been a problem in the last few years, adversely affecting the quality.

For financing, I would be okay with any plans discussed: tax levy, stormwater utility, or even a special assessment to the properties (like mine) abutting the lagoon.

I hope this helps!

Pete Zeimet
608-239-4497
zeimet1@yahoo.com

Date: 3/11/2025

To: Village of McFarland

From: Kathy Carl
6014 Lake Edge Rd

Re: Public Information Meeting – Babcock Channel & Stormwater Lagoon Restoration

I would like to submit these comments for the Public Works & Utilities Committee meeting scheduled for Monday March 24th since we are unable to attend in person and unsure if we will be able to connect by Zoom.

- **Portion of “Area 1” where the channel meets the lake**

I think everyone agrees this area is critical to the continued success and health of the channel as it allows the lake water to enter and flow freely through the channel. Without it, as we have seen, the channel gets stagnant, smelly and portions dry up.

Even after dredging, this area will continue to be susceptible to dams being created at the mouth of the channel when the lake ice can heave and push debris to shore. (This usually happens in the Spring as the ice thaws.) This is what happened several years ago which created a huge pile of mostly zebra mussel shells at the mouth of the channel. This pile blocked and continues to block the flow of water into the channel when the lake is at lower water levels, creating a big part of the current issues.

Because of the ongoing risk of dams, I hope the Village will start to manage this area where the water enters the channel, as it does other areas (like roadways) in the Village. That way, if a dam should re-occur that jeopardizes the channel’s health, removing it can be planned and prioritized with other Village projects. I also hope maintaining the health of this channel will be a Village priority.

I also think dredging this area first may provide some positive relief for the rest of the channel, as the rest of the dredging is completed.

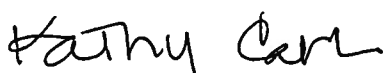
- **Funding by Special Assessments**

I vote no. While we are not impacted by this decision, I think this would be very unfair to those living on the channel since a lot of people, those who live in the Village and do not, use this waterway. Most who enjoy the lake, also use and enjoy the channel – it is a popular loop. It is also a calm and safe waterway for canoeing, kayaking and stand-up board users, when the lake is windy or there is too much boat traffic. It is also popular for fishing, by boat or from the Burma Road bridge. The channel is also easy to access by anyone - by lake, Babcock boat launch, pier at the Babcock County Park and end of South Court where the channel meets the lake, which I think is a public access point.

It would however be nice if Dane County funded part of the channel restoration project since many people who use the channel access it from the county boat ramp and park (and pay fees to them for their boat launch or camping), but I would not want to hinder getting this done if they refuse to do so.

I appreciate you considering our comments and thank you for working to bring this valuable waterway back to life. It is such a gem for this Village! Please feel free to call me (608-235-3648) if needed.

Thank you!!



Aimee Irwin

From: Cheryl Radzinski <cradzi65@gmail.com>
Sent: Thursday, March 20, 2025 9:51 PM
To: Public Works
Subject: Babcock Channel and Stormwater Restoration

Follow Up Flag: Follow up
Flag Status: Flagged

To: Public Works and Utilities Committee

Thank you for providing the documentation about possible improvements to the Babcock Channel. Since the last time the channel was dredged was in 1987, it is certainly overdue for consideration. I'd like to address two takeaways from the documentation I reviewed. The first is that the only people who benefit from the channel being cleared are the residents along the channel, and the second is possibly making the property owners along the channel responsible for the cost.

I live on the channel adjacent to the Burma Street bridge on the south side. Although I don't own a boat, I do enjoy spending time in my backyard overlooking the channel. I also have the unique perspective of seeing how many people use the channel who don't live on the channel. During the spring, summer, and fall the bridge is a popular fishing spot for retirees, local kids, families, and people who utilize Babcock Park. It is easy access as there is street parking readily available. The channel is also used by boaters who can use the park's boat launch and come up the channel. Kayakers and paddle boarders access the channel as well, mostly by accessing it through Babcock Park. There are a lot of people that use the channel beyond just the residents that live along the channel. That may not be apparent to most residents, but because I live directly across from Babcock Park, I can attest that even this early in spring I have noticed kids with fishing poles enjoying the channel.

Another not so obvious way the channel benefits the community is it serves as the only drainage/ runoff for the homeowners on the hill of Overlook Drive. There are two culverts on the south side of the Burma Street bridge that support runoff. One is on the Babcock Park side, the other is adjacent to my property. The culvert abutting my property supports the runoff for the properties on the bluff of Overlook Drive. Leaves, pieces of damaged pavement, stones, and often construction waste run down the hill when it rains and ends up in the channel adding to the sediment. In this way the channel is not unlike the fifteen other drainage ponds that handle stormwater and runoff throughout the village. Those areas were listed in the 2023 Stormwater Management document with a proposed schedule and cost for dredging.

I write all of the above to hopefully show that the channel is not just for the benefit of the homeowners on its shores. The last part of the document referenced in the notice we received raised the possibility of the property owners on the channel being responsible for the cost to dredge it. As residents of the village all taxpayers contribute to the school referendum, the restoration of streets, and any and all of the expensive projects to maintain and add value to the village. Please give this project the same consideration. A special assessment for only property owners along the channel would be an unfair burden. Please feel free to reach out if you would like to discuss further.

Cheryl Radzinski

We are currently undergoing maintenance on some services, which may temporarily affect access to subscription accounts and the E-edition. We apologize for any inconvenience and appreciate your patience as we work to resolve the issues.

https://madison.com/news/local/environment/article_7c4526c2-0365-11f0-ab38-e7e7bdbc51f4.html

ALERT

TOP STORY

YAHARA CHAIN OF LAKES | LOW WATER LEVELS

Low lake levels leaving boaters, anglers high and dry. Here's why

Barry Adams | Wisconsin State Journal

Mar 19, 2025

DELLTechnolo

MONONA — Bernie Quinlan knows better than most how the Yahara River can change.

There have been times when rising water has covered part of his backyard after winters that have seen ample snowfall followed by steady spring rains.

Quinlan, 88, has lived along Winnequah Road just north of Pirate Island for the past 50 years, so he's not bothered by the sight of normally floating docks mired in mud or normally navigable channels containing just inches of water.



Floating docks at Grand Crossing Park in Monona are mired in the muck of the Yahara River due to low water levels. A lack of snow and spring rain has slowed efforts to raise water levels on Madison-area lakes to their summer minimums.

AMBER ARNOLD, STATE JOURNAL

He's confident the water will return in time for him to take his grandchildren fishing for bluegill. But for now, his 16-foot boat with a 25-horsepower motor is in drydock on a lift on the bank of the shallow river across from Buck & Honey's.

"It'll come up," Quinlan said as he looked out over the river from his backyard. "It's a little low now, but I've seen this before. We just don't want it too high."

People are also reading...

- 1 How teams are seeded in this year's state boys basketball tournament**
 - 2 Suspect sought in Saturday afternoon stabbing on State Street**
 - 3 Restaurant review: Haven't been to Fresh Mart? You're missing out**
 - 4 How a troubling trend is impacting girls high school basketball in Wisconsin**
-

It's all part of the aquatic dance Madison-area lakes put on in March.

It plays out each spring with the extremes drawing attention from those who own waterfront property, the anglers who come here to fish, and local officials who in some years have had to close roads and provide sandbags when heavy rains come on the heels of melting ice and snow. Slow, no-wake orders have also been common in years of high water, which has kept recreational boaters and water skiers at home.



Bernie Quinlan, 88, who has lived along the Yahara River in Monona for 50 years, looks over his dock and boat lift. Despite the low water levels, he's confident the levels will be adequate for the coming boating and fishing seasons.

AMBER ARNOLD, STATE JOURNAL

But this spring is about a lack of water.

In 2024, the area received 48.5 inches of precipitation, 11.5 inches more than normal, according to John Reimer, assistant director of Dane County's Land and Water Resources Department. The department is charged with operating dams along the Yahara River to control water levels on lakes Mendota, Monona, Waubesa and Kegonsa.

But a lack of snow over the winter and meager spring rain have the lakes off to a slow start toward reaching their summer minimum levels, established by the state Department of Natural Resources.



Lake levels on the Yahara Chain of Lakes are controlled by a series of dams, including this lock and dam at Babcock County Park in McFarland.

AMBER ARNOLD, STATE JOURNAL

Lake Mendota, for example, was about 10 inches lower Tuesday than its summer minimum of 849.6 feet above sea level and 16 inches below the summer maximum. The largest lake in the chain, Mendota could also be the last to fill.

Lake Kegonsa near Stoughton, and home to a state park, was about 5 inches below its summer minimum and about 11 inches from its summer maximum. It could be the first to fill, since it is at the bottom of the chain, Reimer said.

That's why the gates on most of the Yahara River's five dams are largely closed, allowing just a minimal amount of water to flow in an attempt to bring lakes up to their summer target by Memorial Day weekend.

"It's just a timing thing. If we get rain right now, they'll fill up quicker," Reimer said. "We're closing the dams down so we can hold water in the lakes and have the lakes rise up."

The watershed could get a needed boost Wednesday with a half to three-quarters of an inch of rain predicted for the Madison area followed by 1 to 3 inches of snow. Combined, it could help raise lake levels over the coming days through a combination of precipitation falling directly in the waterways and from runoff of rain and melting snow. That could raise lake levels by 1 to 3 inches, Reimer said.



While Madison-area lakes are experiencing low water levels this year, the situation is sometimes the opposite. In 2018, high lake levels led to flooding, prompting members of the Wisconsin Army National Guard to help build sandbag berms along the Lake Monona shoreline in Monona's Belle Isle neighborhood.

JOHN HART, STATE JOURNAL ARCHIVES

A complicated watershed

The 62-mile Yahara River is fed by a 536-square-mile watershed that covers about a quarter of Dane County. It includes a mix of urban and agricultural land and is populated by more than 370,000 people, according to the Center for Limnology at UW-Madison.

The watershed has been challenged by flooding, invasive weeds, runoff of phosphorous and road salt, and competing uses from those who canoe, kayak, fish and use powerful boats to ski and wakeboard.

Efforts have been made in recent years to improve the flow of water through aquatic plant removal, dredging, dam management and runoff projects, but when and how much precipitation falls cannot be controlled.

Water levels are lowered in the fall to prevent flooding in the spring and ice damage to shorelines in the winter, said Reimer. After March 1, the county begins its effort to return the lakes to their summer minimums using dams and locks at Tenney Park in Madison, Babcock Park in McFarland, the La Follette Dam at the outlet of Lake Kegonsa, the Stoughton Dam a few blocks south of the city's downtown, and the Dunkirk Dam along Highway N, about a mile south of Stoughton.

"Now we're in that transition zone going up to summer minimum," Reimer said.



Signs normally in the water of Starkweather Creek at Olbrich Park are now on land due to low water levels throughout the Yahara River watershed.

AMBER ARNOLD, STATE JOURNAL

Stranded docks, bigger beaches

In the meantime, there is more exposed shoreline around Lake Mendota.

At the outlet of Starkweather Creek into Lake Monona at Olbrich Park, a sign warning boaters of shallow water isn't even in the water but sits in a bank of dry mud and sand. There's more beach at Bernie's Beach on Monona Bay, while it's unclear whether a boat launched at Babcock Park would be able to make it out of the lagoon and into the main body of Lake Waubesa.

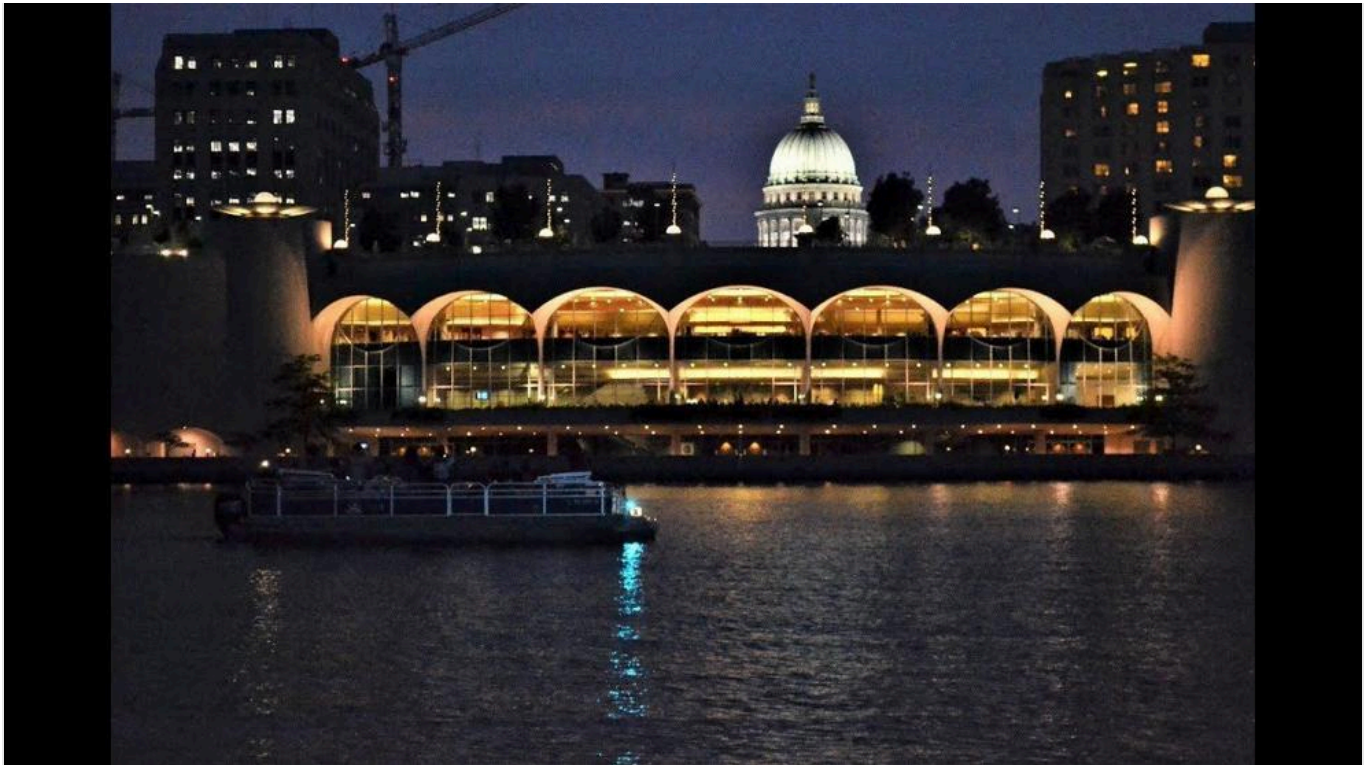
Back on the Yahara River, the docks in front of the Waypoint Public House in Monona no longer touch water, while pontoon boats in a channel surrounding Pirate Island have no chance of launching since there's only a trickle of water. At the nearby Grand Crossing Park and in front of the Four Lakes Yacht Club, it would be nearly impossible to dock a boat due to the low water.

But even without rain, the lakes will continue to rise due to groundwater that continually seeps into the system. Throw in a few rain events, and hitting the summer minimum lake levels by Memorial Day weekend could happen.

"I'm pretty confident about it," Reimer said. "We're generally lower than we are in prior springs."

The Yahara Lakes: Giants Among Us

The Yahara lakes are the Madison-area's dominant natural feature. They affect our daily lives, yet we may not know them well. This Wisconsin State Journal series examines the history, impact and health of our lakes.



Video: Yahara Lakes – Giants Among Us

Jul 28, 2018 |



Our sparkling jewels: Yahara chain dominates our landscape

Steven Verburg | Wisconsin State Journal | Jul 29, 2018 | 3 min to read



Madison's lakes feed our need to be near water

Steven Verburg | Wisconsin State Journal | Jul 29, 2018 | 2 min to read



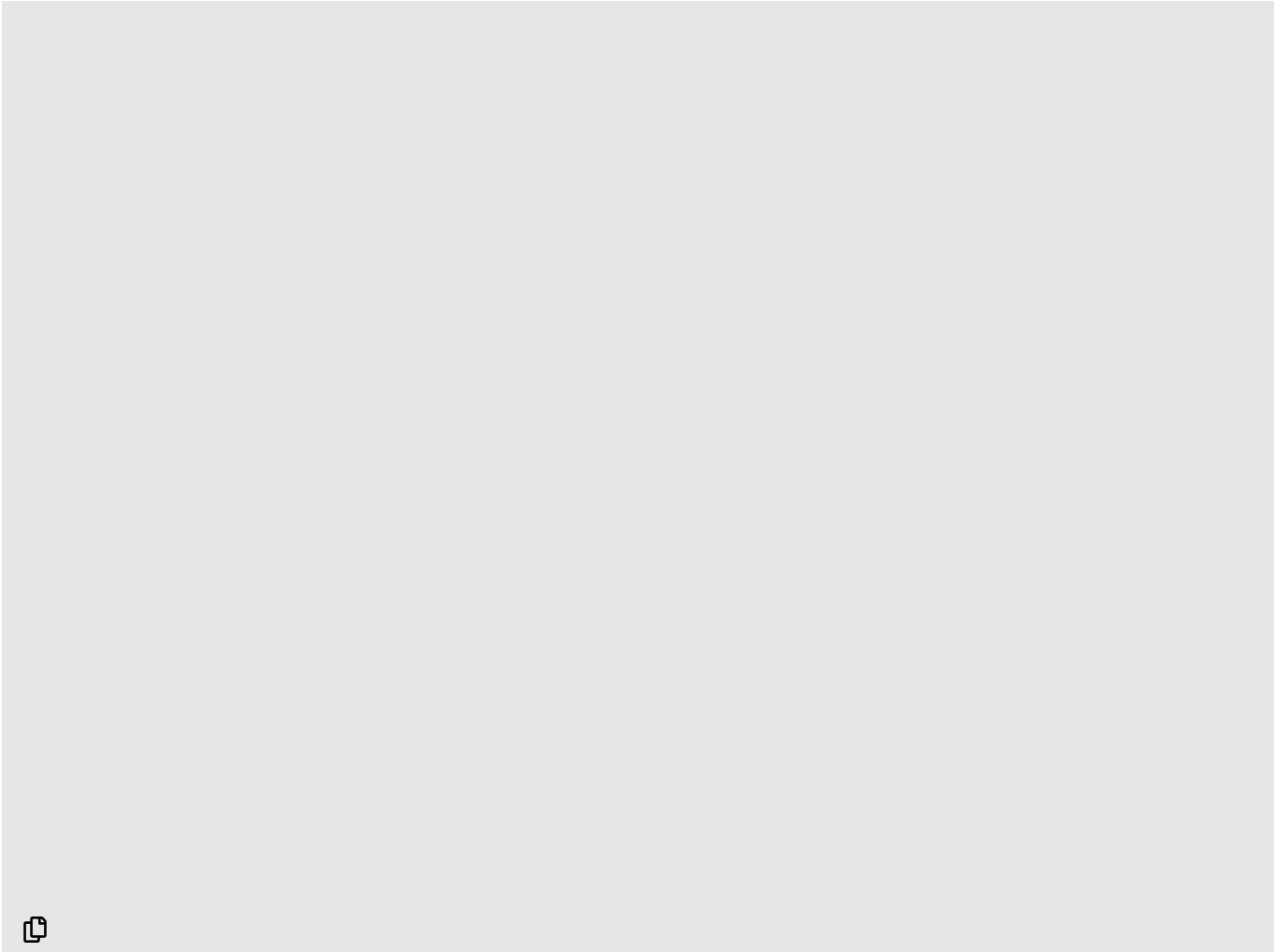
How did the lakes get their names?

Steven Verburg | Wisconsin State Journal | Jul 29, 2018 |



Photos: See underwater treasures in Madison's lakes

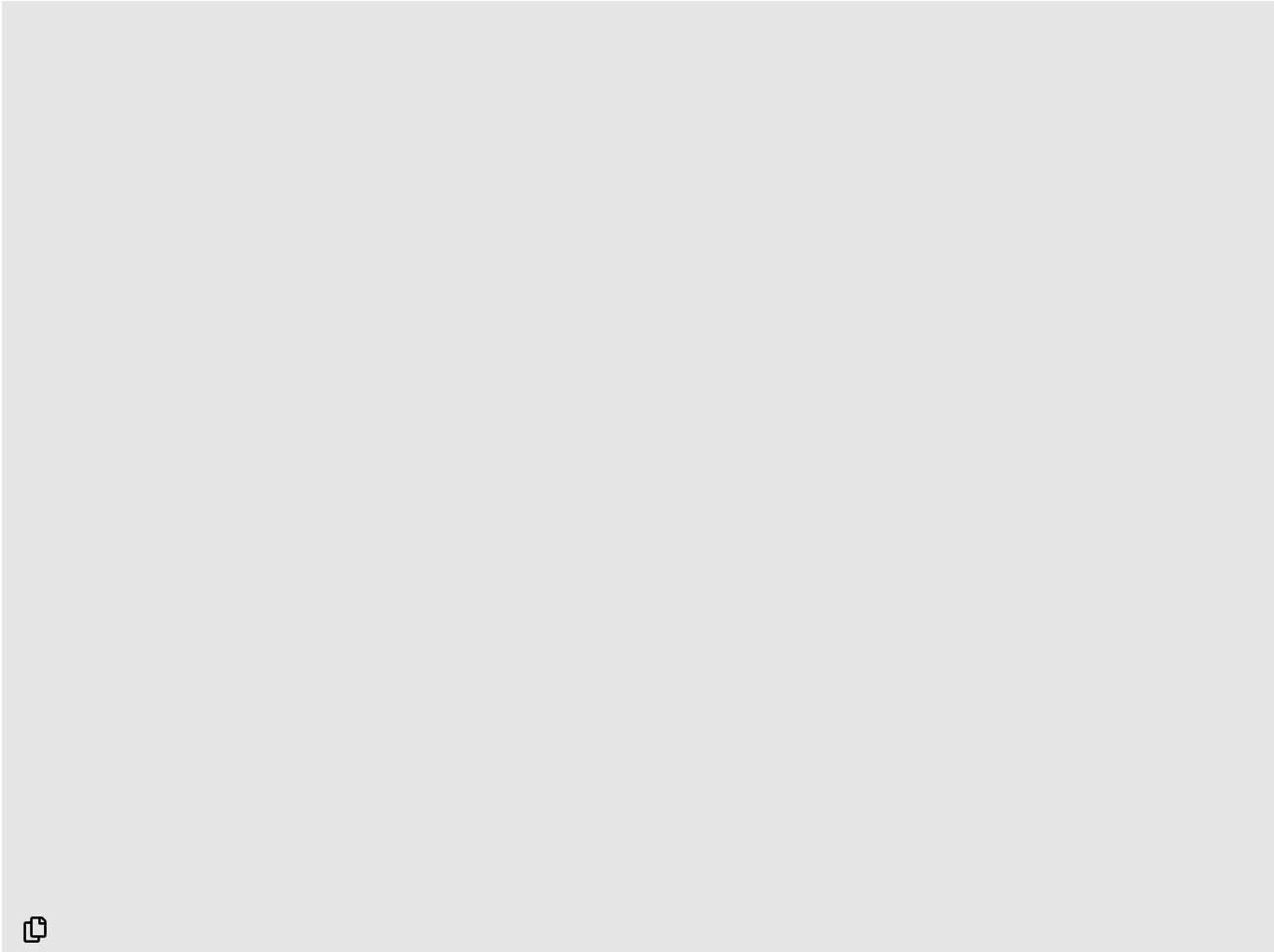
Nov 25, 2019 |



Photos: See how Madison's lakes have changed since the 19th century

Aug 1, 2020 |





Photos: Madison's stunning lakes provide beautiful backdrop

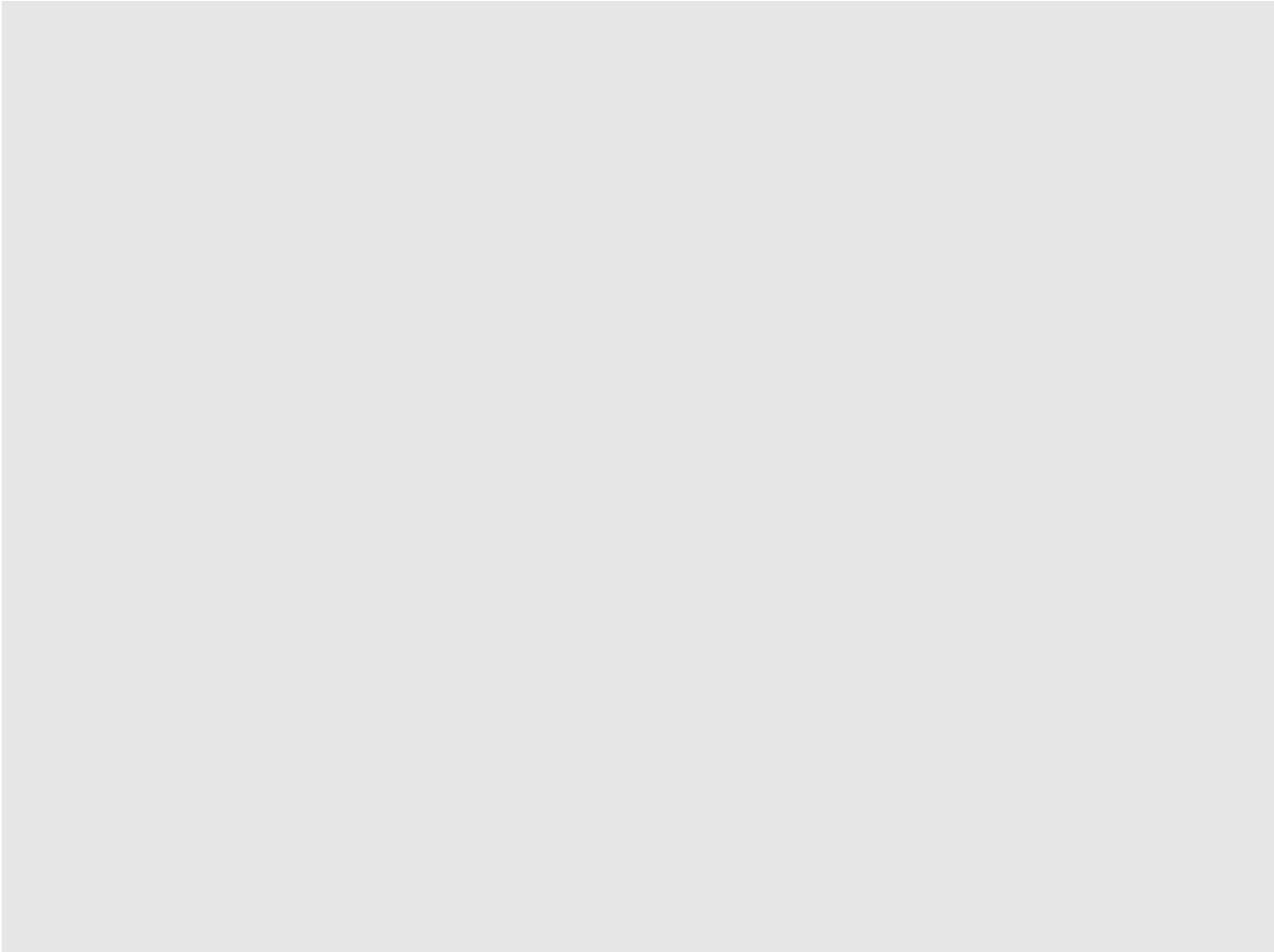
Jun 9, 2019 |





Video: A Yahara Lakes sampler

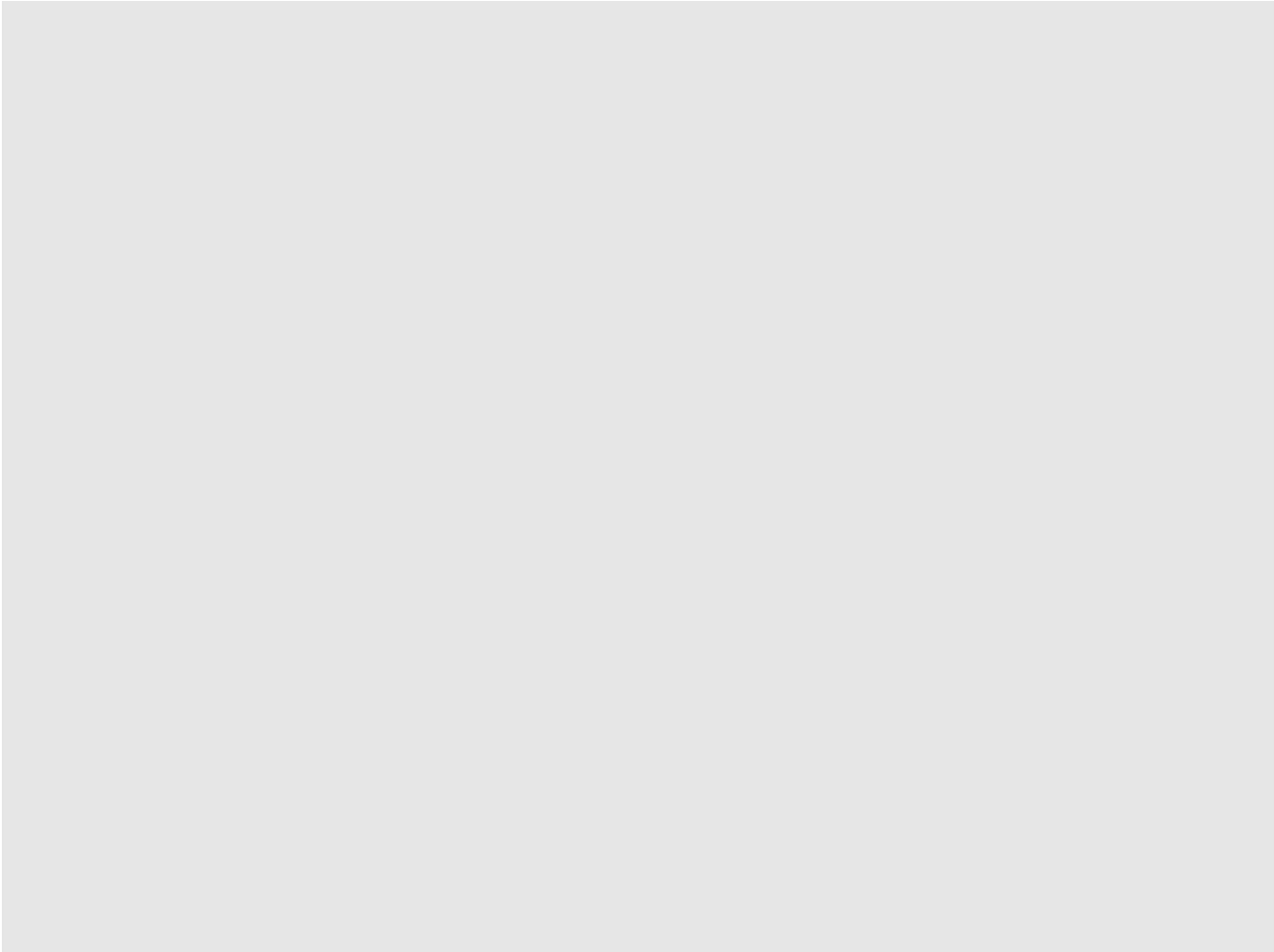
Jul 29, 2018 |



Underwater exploration: Yahara River Lakes

Laura Sparks | Jul 31, 2018 | 1 min to read

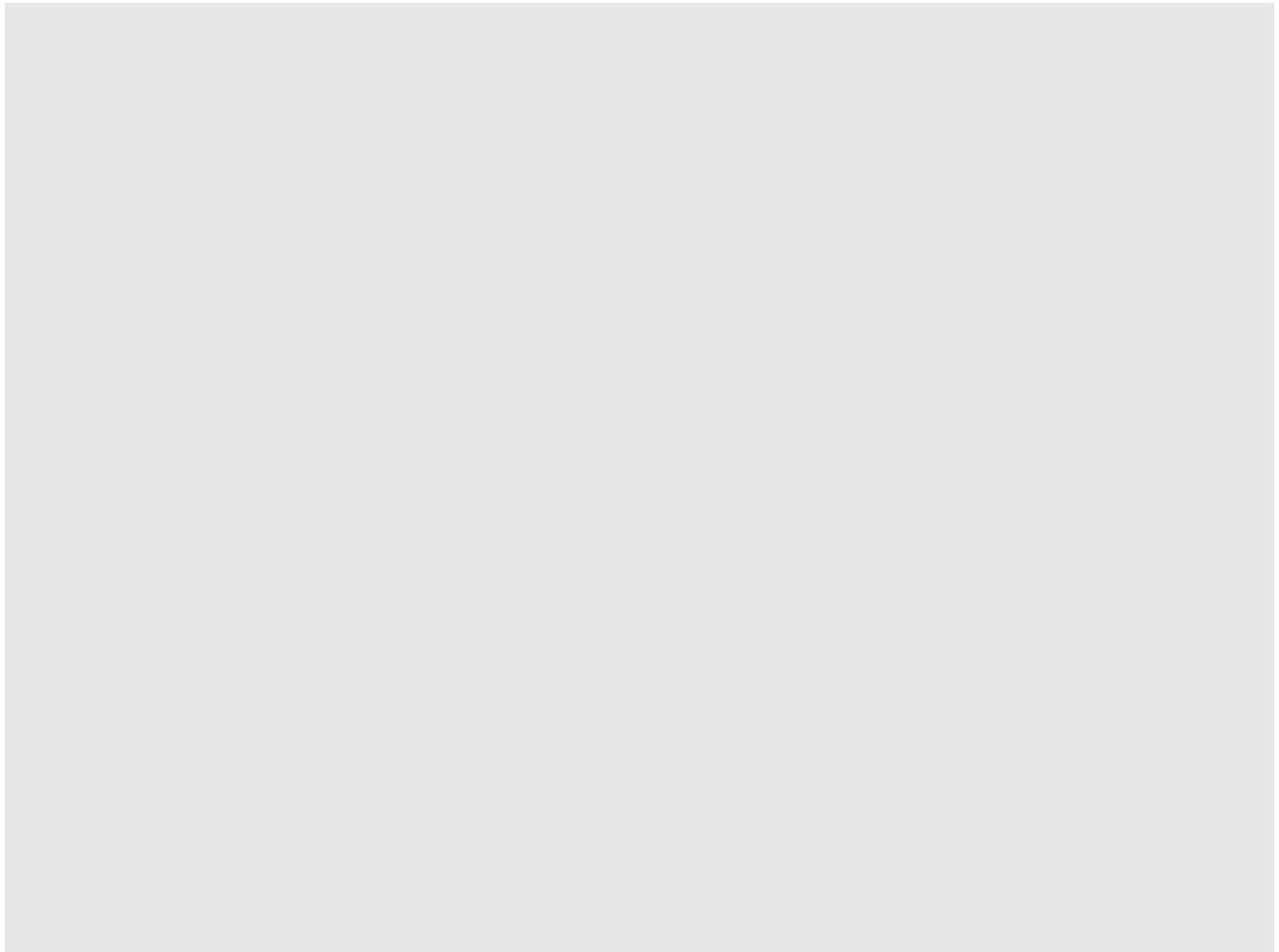




Why are the lakes here?

Steven Verburg | Wisconsin State Journal | Jul 31, 2018 |

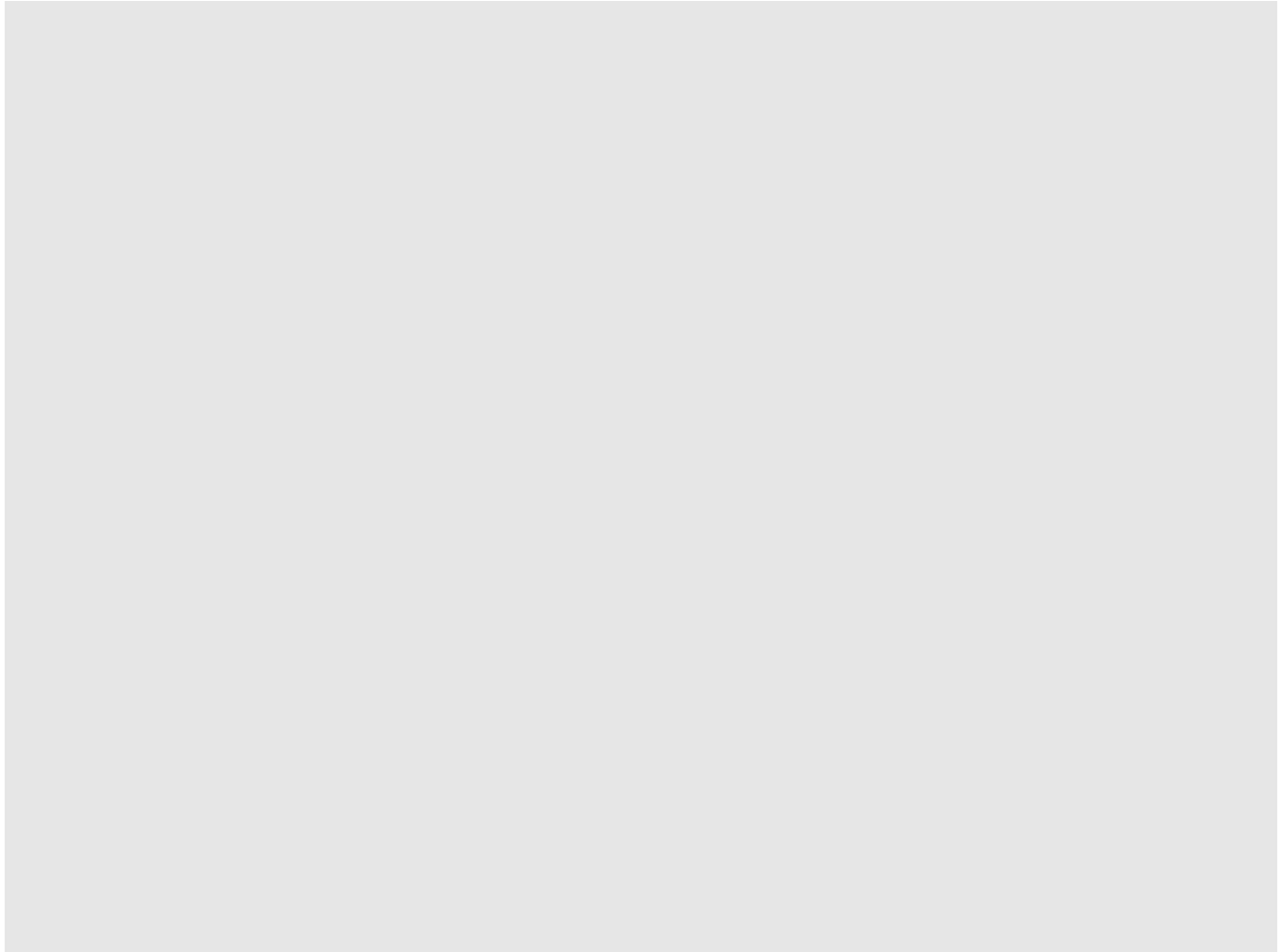




Otis Redding's plane may be lakes' most enduring tragedy

Jul 31, 2018 |



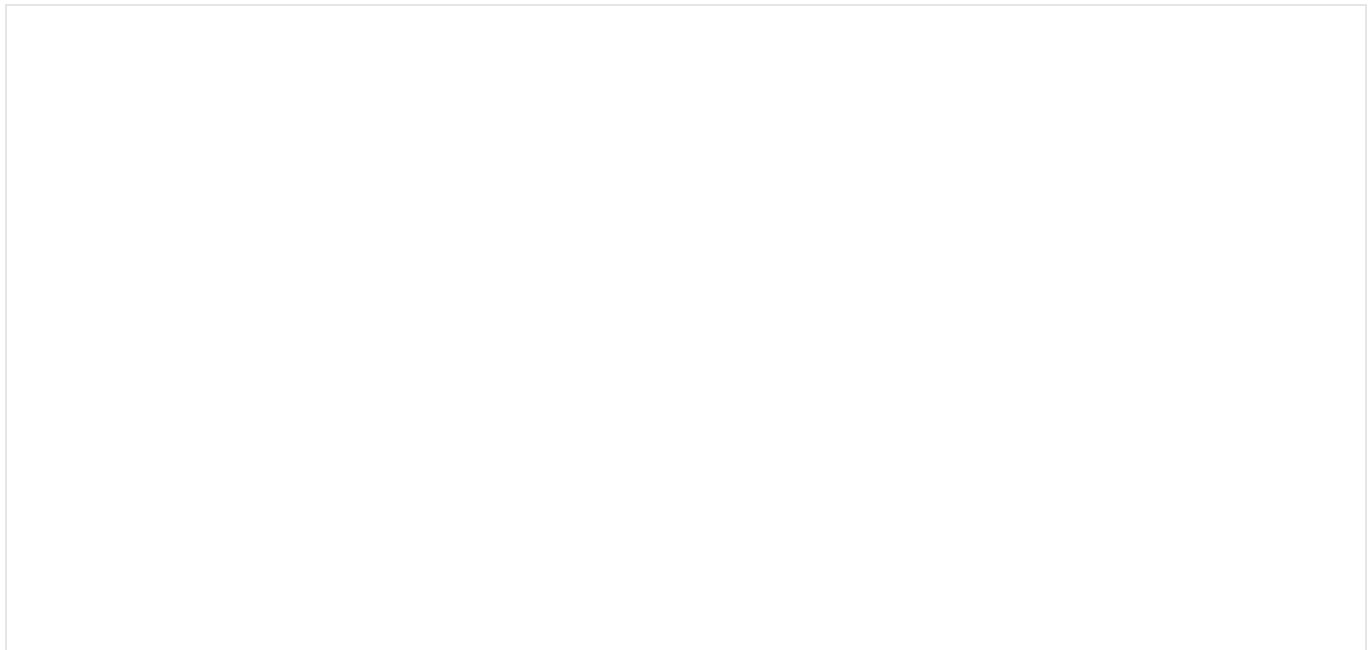


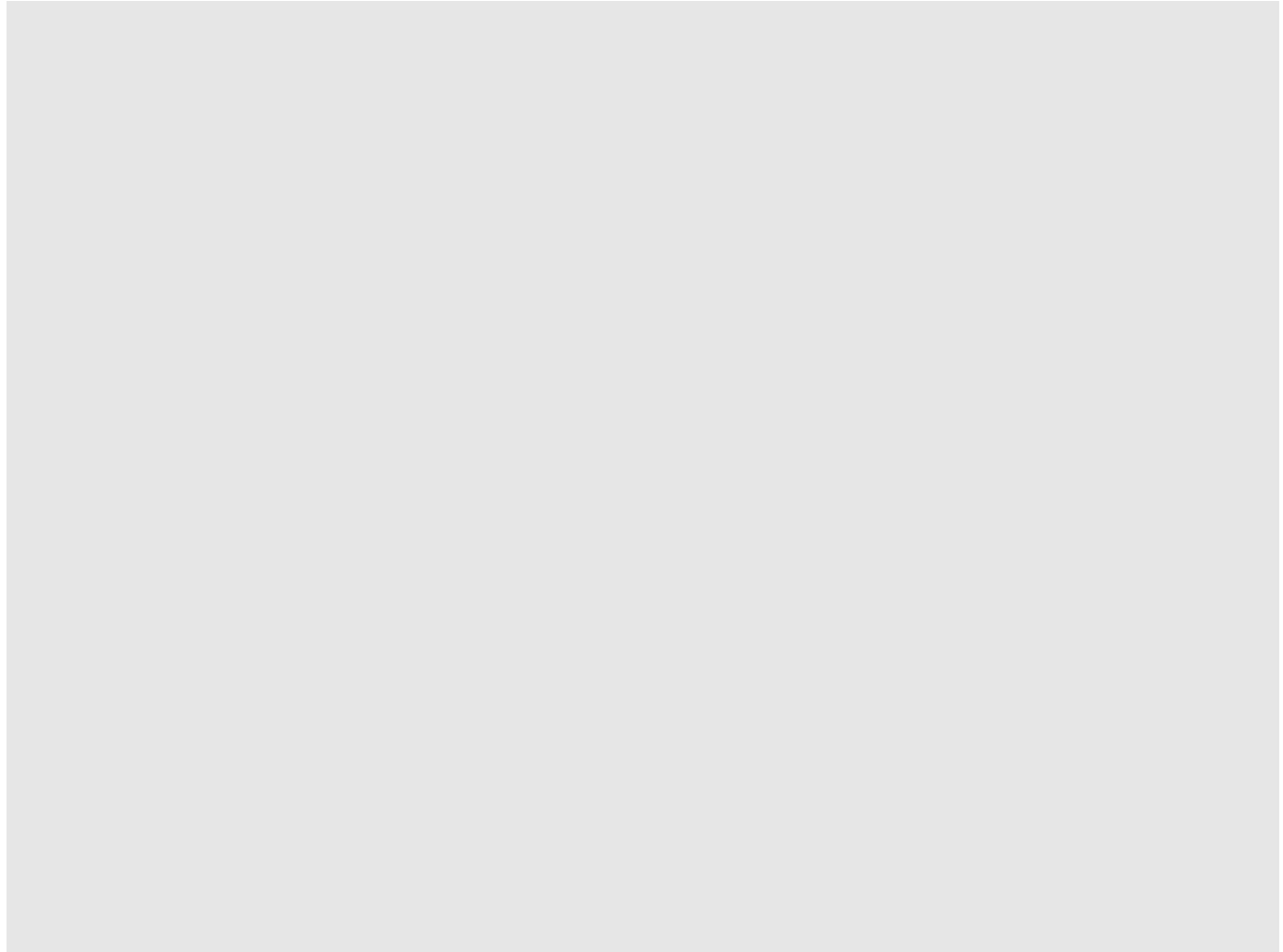
Which path will a drop of water take to reach the Madison lakes?

Steven Verburg | Wisconsin State Journal | Jul 31, 2018 | 6 min to read

Lake levels rise and fall to the commands of a smart phone

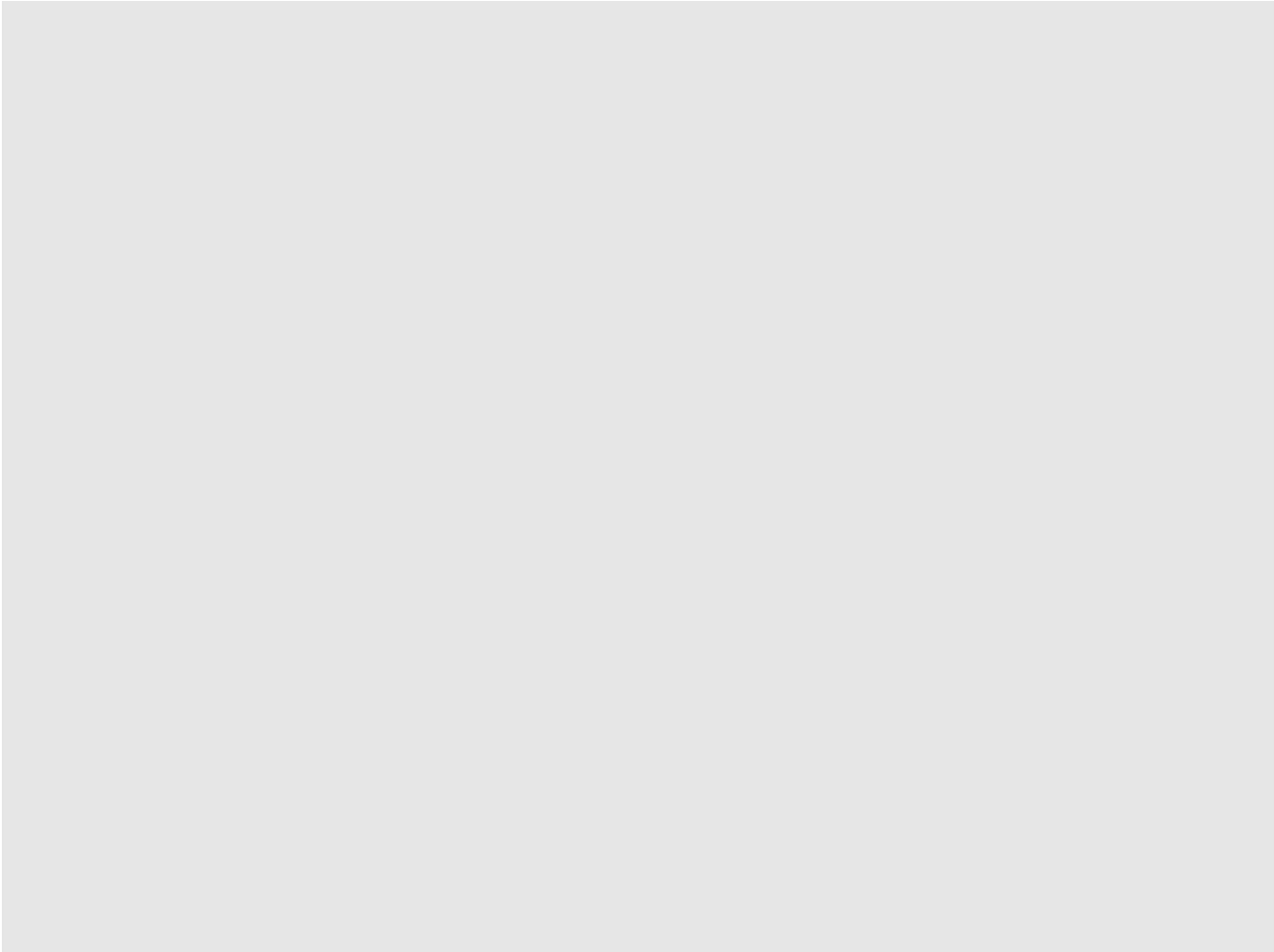
Steven Verburg | Wisconsin State Journal | Jul 31, 2018 |





Divers like Rick Krueger uncover the lakes' underwater secrets

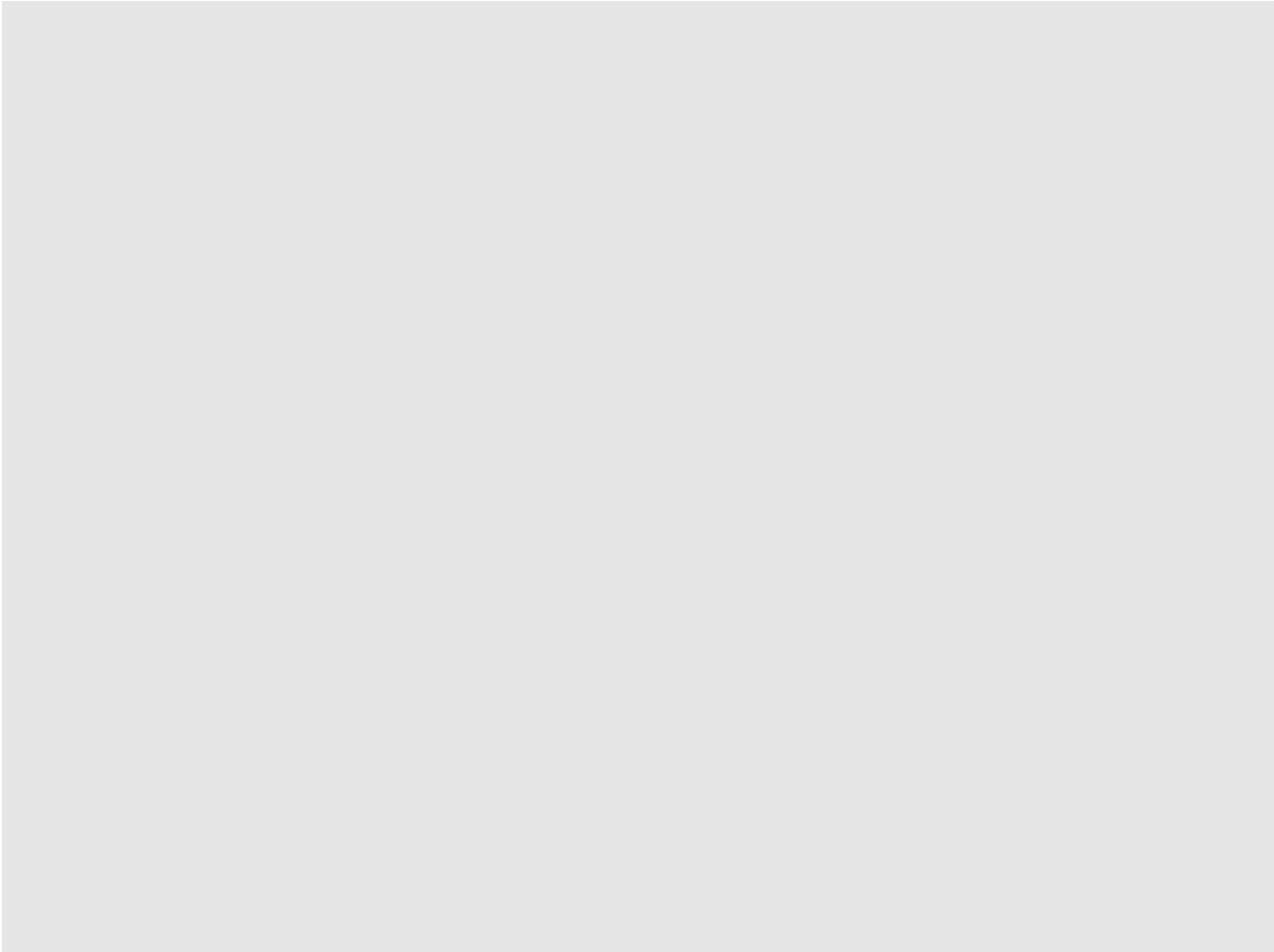
Steven Verburg | Wisconsin State Journal | Jul 31, 2018 | 2 min to read



As the glaciers retreated, people migrated toward the lakes

Steven Verburg | Wisconsin State Journal | Aug 1, 2018 |

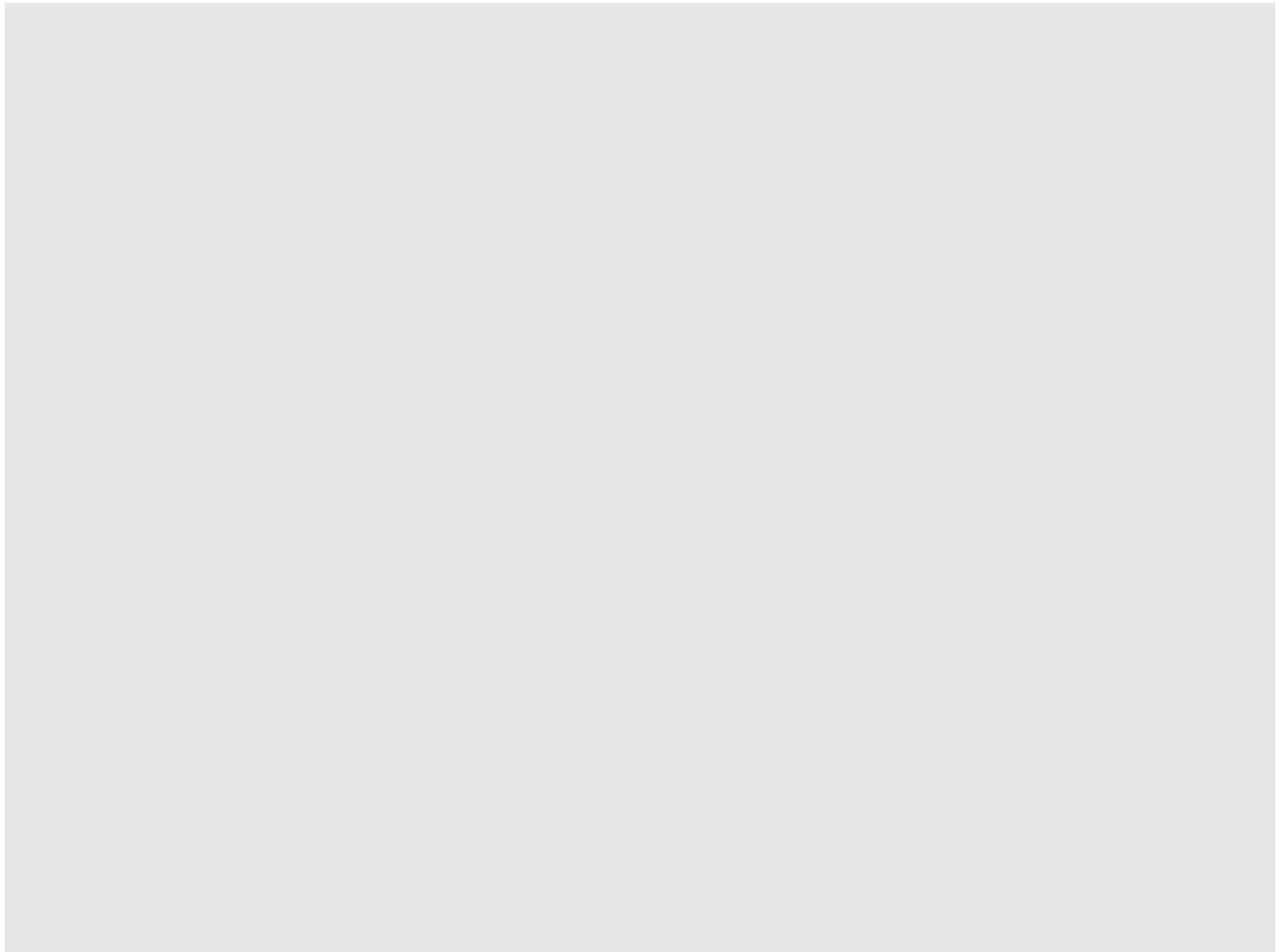




Ancient people returned for millennia to river site south of McFarland

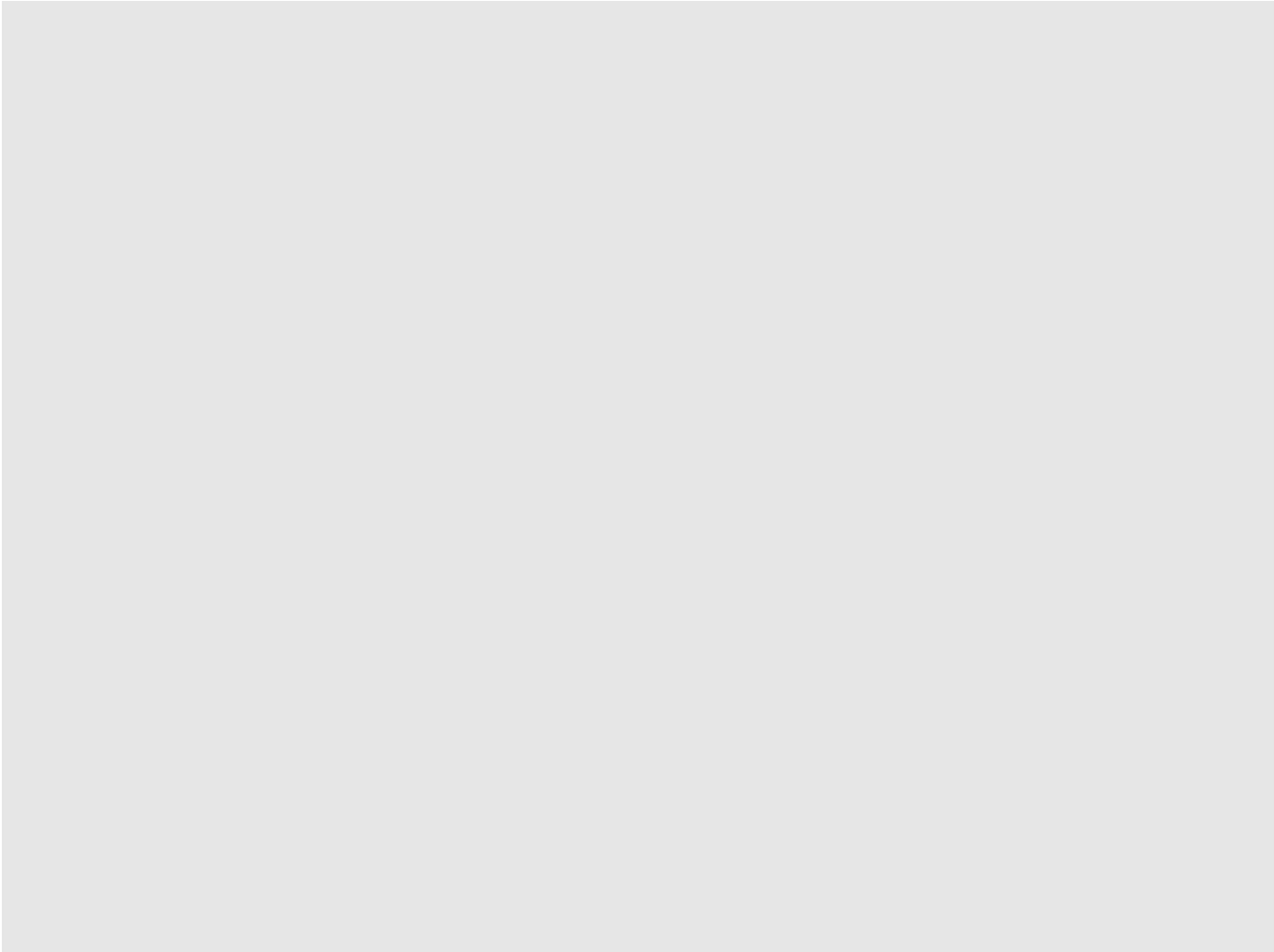
Steven Verburg | Wisconsin State Journal | Aug 1, 2018 | 3 min to read





Yahara lakes were home to dense and most varied native mounds

Steven Verburg | Wisconsin State Journal | Aug 1, 2018 | 6 min to read



The lakes have defined Madison since its beginning

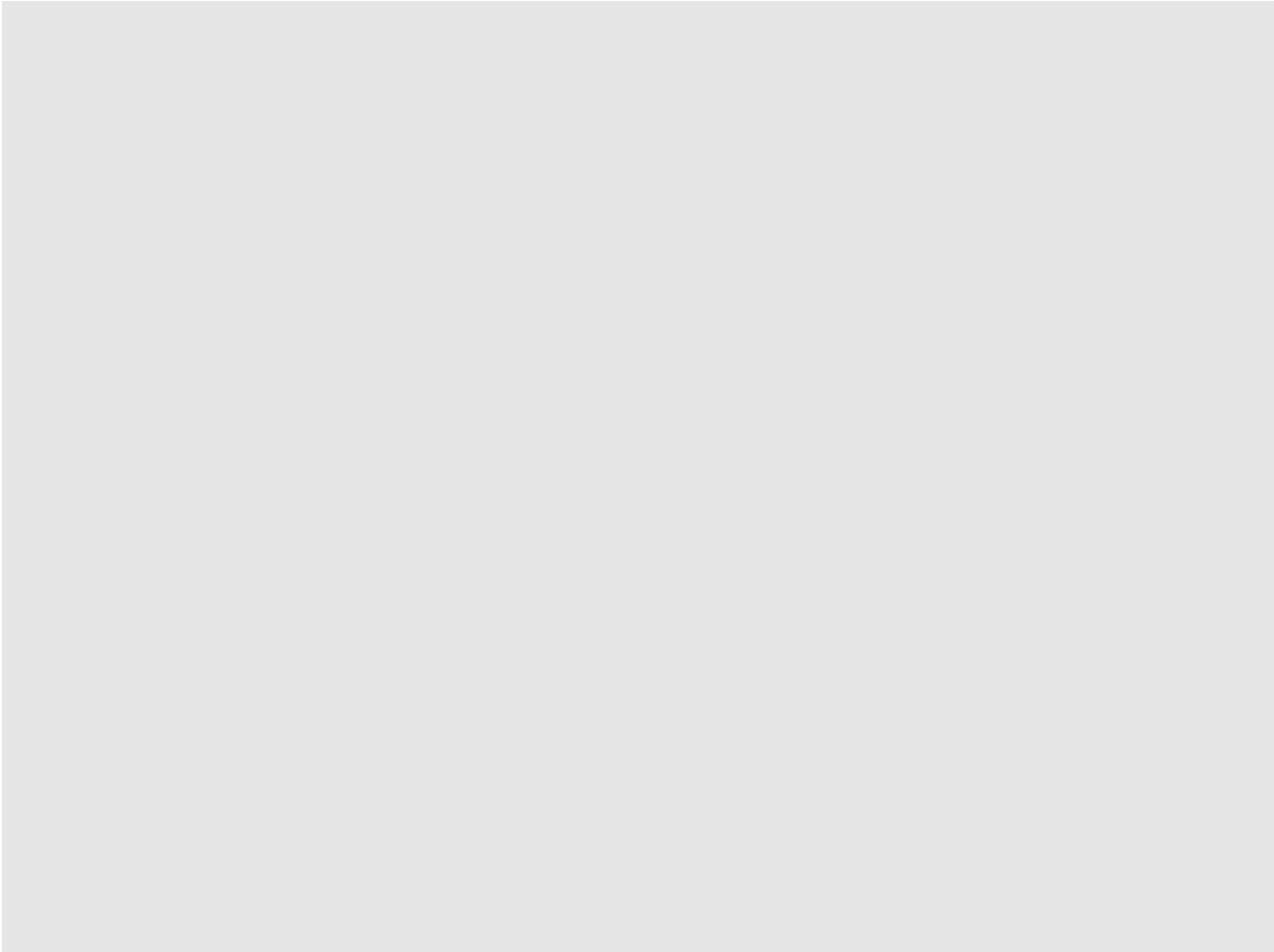
Steven Verburg | Wisconsin State Journal | Aug 1, 2018 |





Readers share their favorite photos and stories of Madison's Yahara lakes

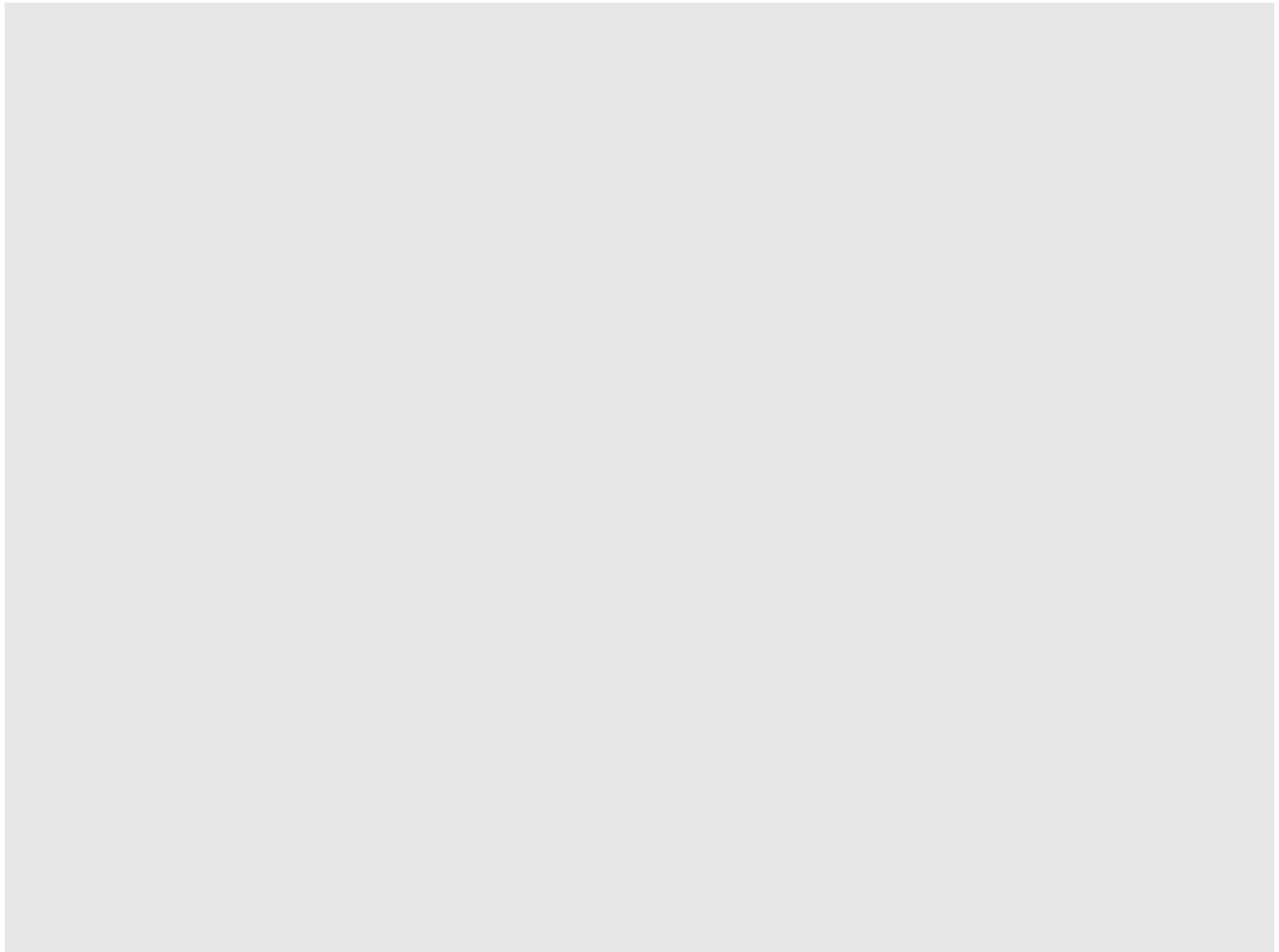
Aug 2, 2018 |



Lake love stories: They're like family to us

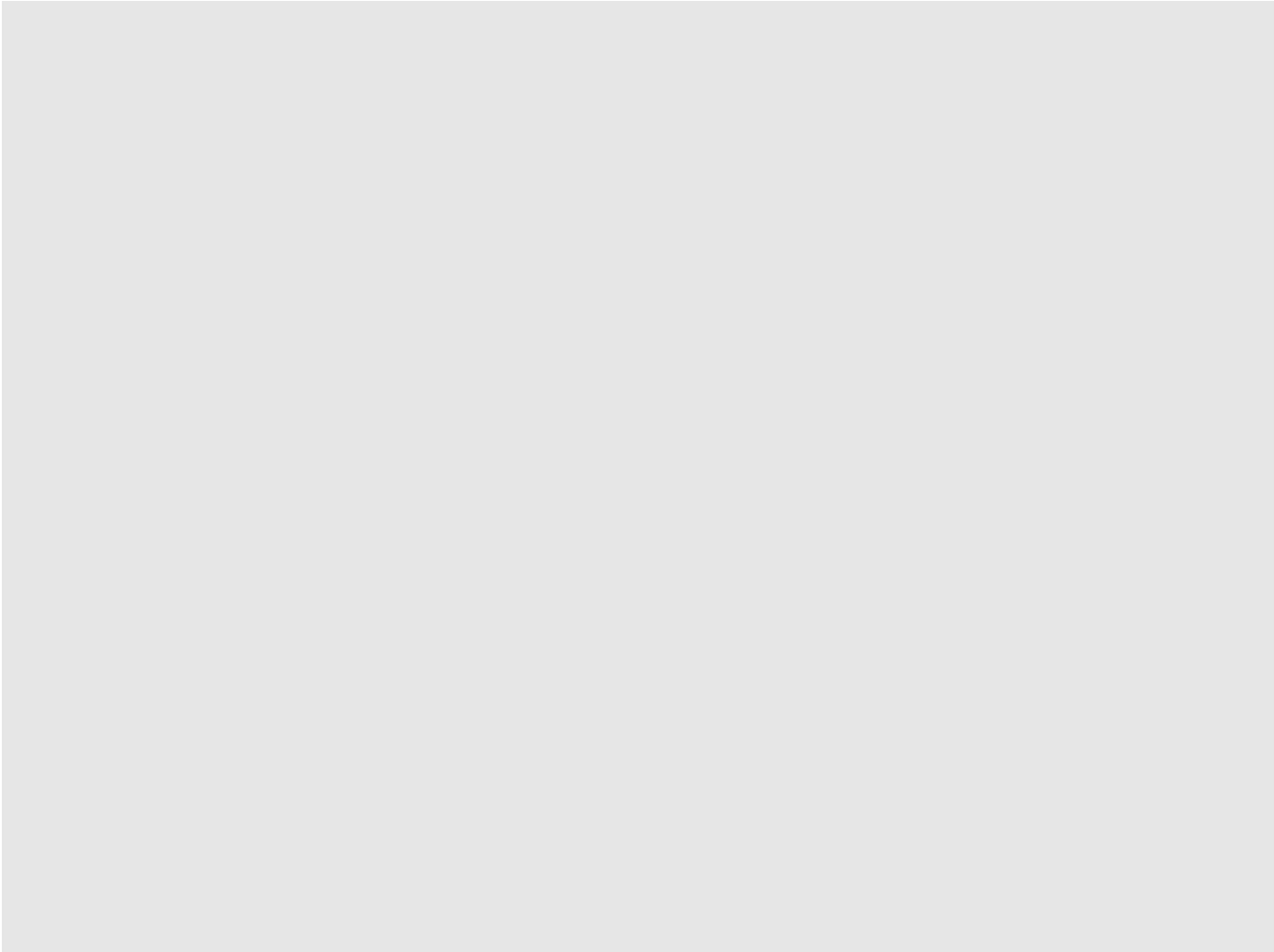
Isabella Dally-Steele | Aug 4, 2018 | 6 min to read





Making Waves: Artwork inspired by the lakes

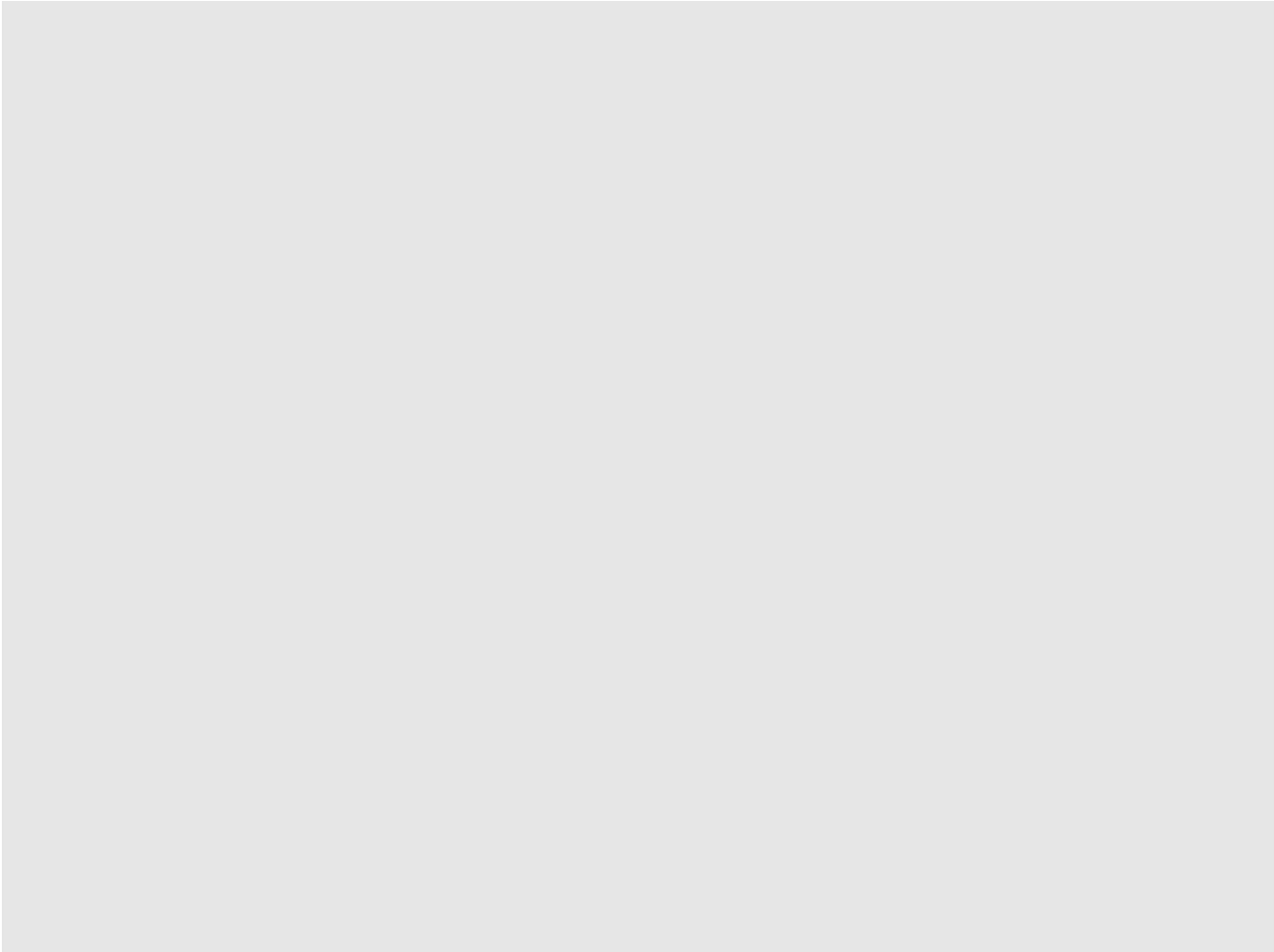
Kynala Phillips | Aug 2, 2018 | 3 min to read



Many help clean and study the lakes, but progress is elusive

Steven Verburg | Wisconsin State Journal | Aug 5, 2018 | 7 min to read

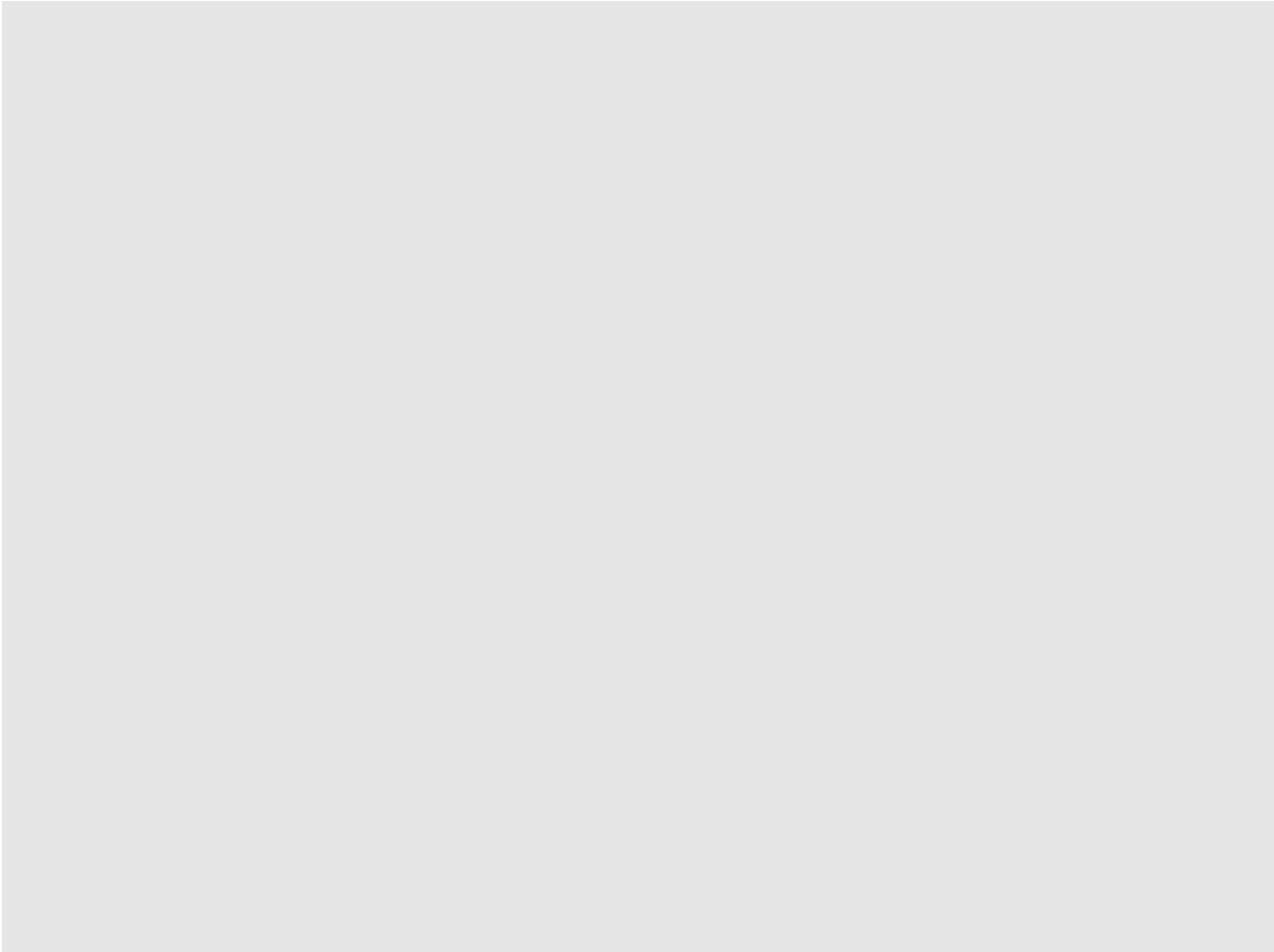




From 'suck the muck' to bubble barriers, efforts to clean the lakes abound

Steven Verburg | Wisconsin State Journal | Aug 5, 2018 |

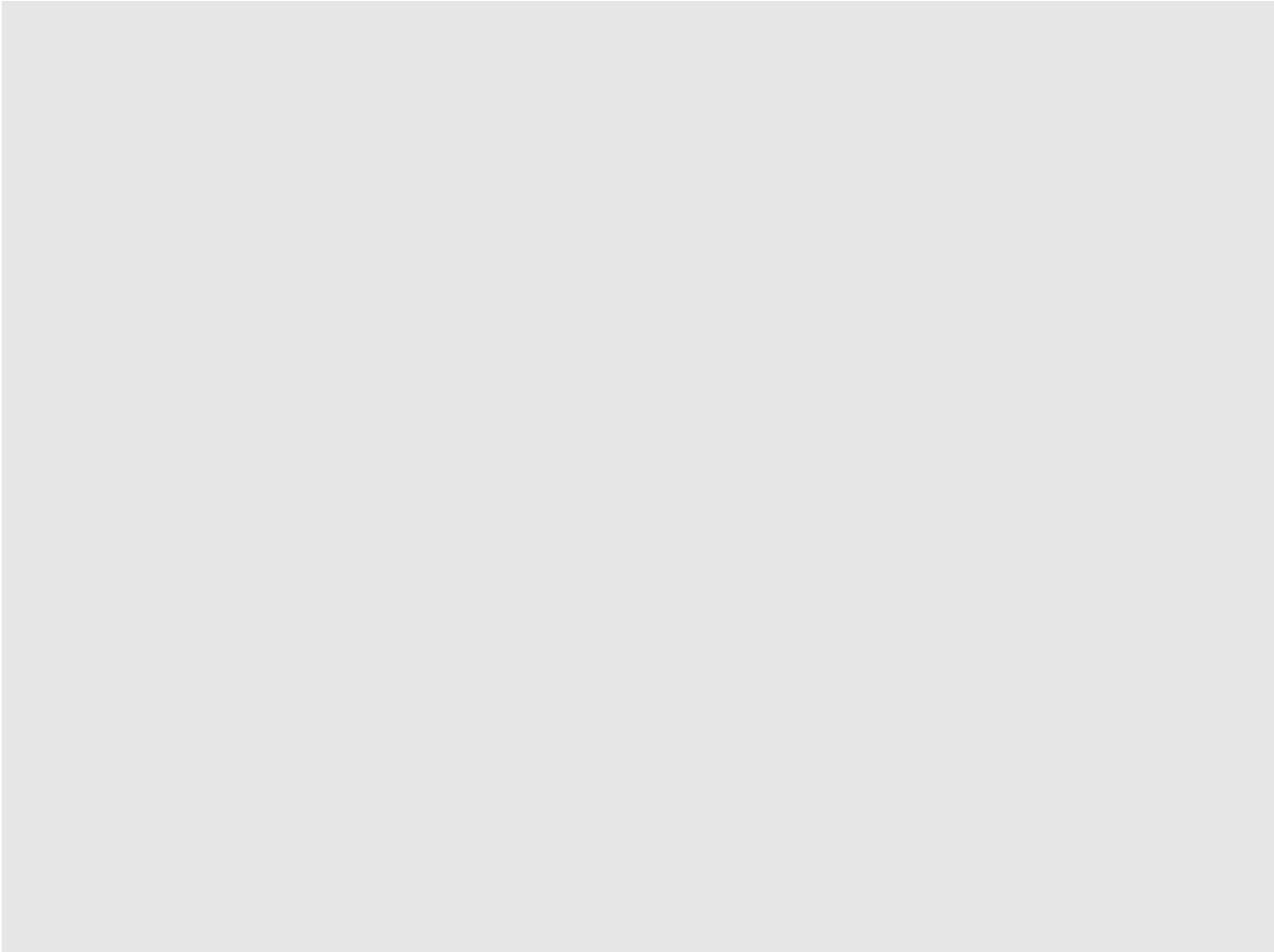




Climate, policy changes pose risk of major flooding on Madison's Isthmus

Steven Verburg | Wisconsin State Journal | Aug 5, 2018 |

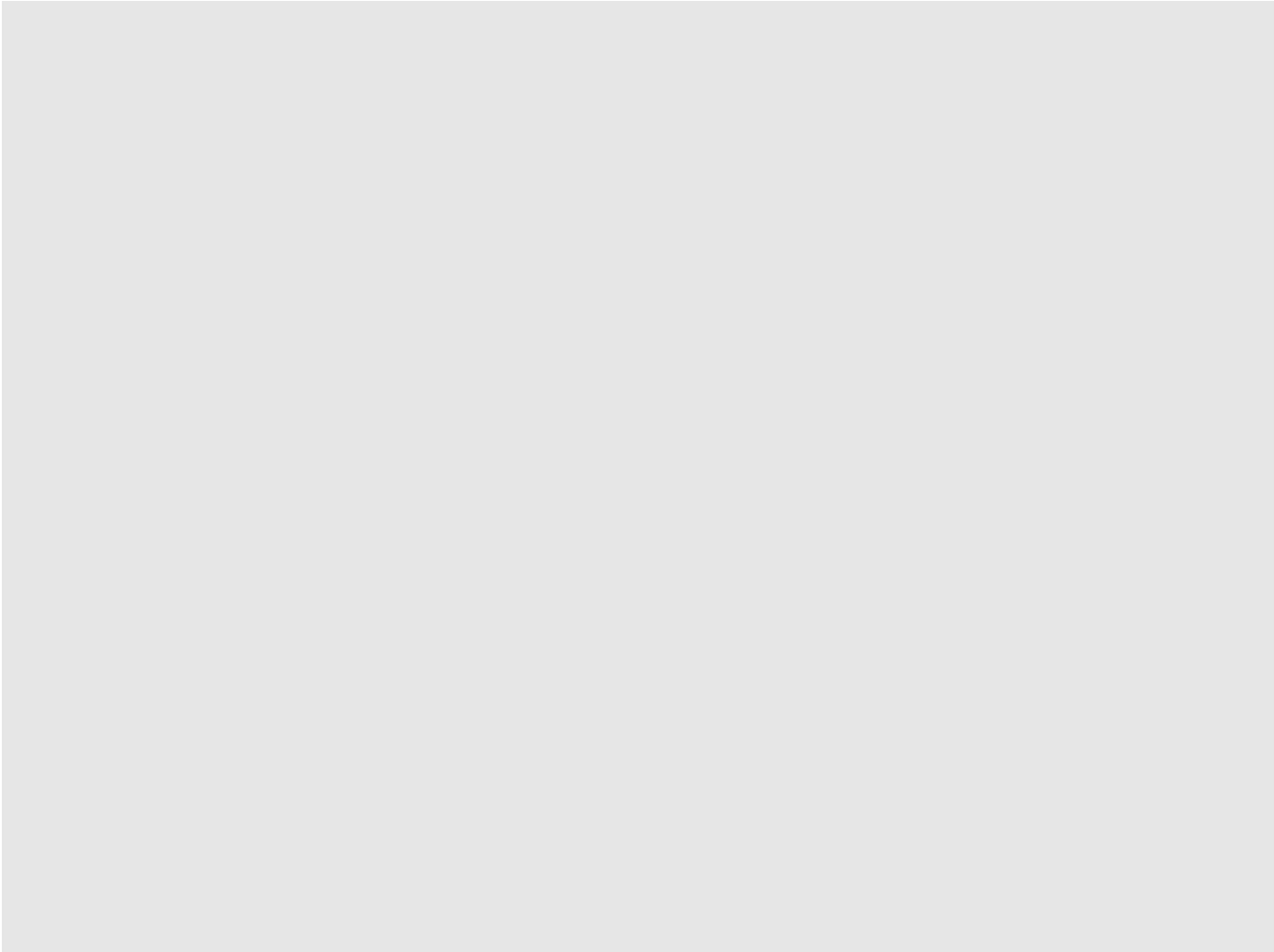




5 ways to help our lakes

Fatoumata Ceesay | Aug 5, 2018 |





List of Friends Groups that promote healthy lakes

Fatoumata Ceesay | Aug 5, 2018 |

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2005 Dodge Ram 1500 Regular Cab	2025 MINI Hardtop 2 Door	2025 Chevrolet Silverado 1500	1953 Cadillac Coupe
\$4,500	\$36,595	\$41,212	\$46,000
RICHARD G. sellwild.com	LOTLINX A. sellwild.com	LOTLINX A. sellwild.com	GATEWAY C. sellwild.com



Vintage 1976	Sterling Silver
\$11	\$12
NICOLE L. sellwild.com	REBECCA sellwild.com

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By Barry Adams | Wisconsin State Journal

**VILLAGE OF
McFarland
SUMMARY SHEET**

MEETING DATE: Monday, March 24, 2025

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Lee Igl, Public Works Director, Matt Schuenke, Village Administrator

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the award of contract for the 2025 Street & Utility Improvements project.

PREVIOUS ACTION:

The Public Works & Utilities Committee recommended approval to the Village Board regarding the 2025 Street & Utility Improvements project and authorized the project for bid at their January 27, 2025, meeting.

The Village Board approved the project and authorized the project for bid at their February 11, 2025, meeting.

ISSUE SUMMARY:

This project involves pavement, street, and utility improvements along Larson Street, Glen Road, Lakeview Avenue, Badger Street, Dale Street, Yahara Drive, Lake Edge Drive, Severson Road, Burma Road and McFarland Court. The scope of work at these locations is described as follows:

- Work at Larson Street, Glen Road, Lakeview Avenue, Severson Road, Badger Street, Dale Street, and Yahara Drive all involve pavement replacement, water main replacement, and spot curb and gutter replacement.
- Work on McFarland Court involves pavement replacement and spot curb and gutter replacements. This work is located along the entire length of the street, from Terminal Drive to the eastern termini.
- Work at Lake Edge Drive is located between 5618 and 5620 Lake Edge Drive. The Village has an existing corrugated metal pipe storm sewer at this location that is in failing condition. Work at this location would involve lining this section of storm sewer.
- Work on Burma Road is located between US Highway 51 and the Babcock Channel bridge. The Village has an existing fire hydrant that is not functional in cold weather months and is in need of replacement. Additionally, on the southwest quadrant of the Burma Road bridge, the Village has an existing corrugated metal pipe storm sewer that is in failing condition. Work in this area involves hydrant replacement, spot pavement repair, and storm pipe lining.



- Repaving the pedestrian path between Glenway Street and Running Deer Trail, as well as a portion of the pedestrian path at Cedar Ridge Park.

Enclosed is a project map and Town & Country's recommendation letter regarding the bids received on March 13, 2025. Fourteen general contractors, subcontractors, and material suppliers requested a set of plans, specifications, and bidding documents. Two contractors submitted bids. Of the bids received, Parisi Construction LLC was the low bidder for any combination of the base bid, alternate bids or supplemental bids. Town & Country, along with staff, recommend the award of contract to Parisi Construction, LLC for the base bid, plus supplemental bids.

A project site within the village's website has been created for project details and updates. Town & Country has delivered a brief overview letter to impacted individuals near the project sites which includes a link to the village's website. Public Works staff along with the Communications Department will provide updates via the website and other platforms to keep the public informed as construction occurs.

FINANCIAL/BUDGET IMPACT:

The 2025 budget was approved with the following revenues for the project:

Revenues

\$ 45,000	Capital Projects Fund (2024)
\$ 885,500	Capital Projects Fund (2025)
\$2,027,000	Utilities Fund (Water)
\$ 78,500	Stormwater Fund
\$3,036,000	Total Revenues

Expenses - Included within your packet is the recommendation letter for the project based on the bid received:

\$2,269,189	Base Bid
\$ 0	Alternates (None Recommended)
\$ 282,225	Supplemental
\$ 45,000	Engineering
\$ 225,000	Construction Administration
\$ 211,606	Contingency (7.5%)
(\$ 20)	Rounding
\$3,033,000	Total Expenses

\$ 3,000 Variance

The total cost of the project is slightly less than the availability of funds carrying both the full supplemental amount and a 7.5% contingency. This is usually recommended at 10% for contingency but several of the items that are meant to address the unknowns are planned for within the supplemental item as well. Supplemental acts as contingency for things we might encounter on a mostly utility project like this giving some flexibility for those items. Outside of



that and what is detailed for in design, then the contingency covers those additional costs to complete the project.

VILLAGE PLAN REFERENCE:

[Long Range Capital Improvement Plan](#)

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended action:

Motion, second to make a recommendation to the Village Board for the award of contract to Parisi Construction, LLC of Verona, Wisconsin for an amount of \$2,551,414 including the base bid and supplemental bids while rejecting all alternative bids with additional expenses for engineering, construction administration, and contingency for a total project cost in the amount of \$3,033,000.

ATTACHMENTS:

1. Project Overview Map
2. mc230_bidtab
3. MC 230 CURRENT SET
4. MC230 Recommendation Letter

2025 Street and Utility Improvements
Village of McFarland
Project Overview

STREET RESURFACING
MCFARLAND COURT

STREET RESURFACING AND
WATERMAIN REPLACEMENT
LARSON ST, GLEN RD, LAKEVIEW AVE

PATH RESURFACING
CEDAR RIDGE PARK-
GAZEBO LOOP

STORM SEWER LINING
LAKE EDGE ROAD

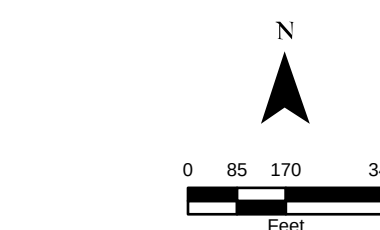
STREET RESURFACING AND
WATERMAIN REPLACEMENT
SEVERSON ROAD

STREET RESURFACING AND
WATERMAIN REPLACEMENT
DALE ROAD, BADGER STREET

PATH RESURFACING
GLENWAY TO RUNNING
DEER

HYDRANT RELOCATION AND
STORM SEWER LINING
BURMA ROAD

STREET RESURFACING AND
WATERMAIN REPLACEMENT
YAHARA DRIVE



tc TOWN & COUNTRY
ENGINEERING, INC.
6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tceengineers.net

Town & Country Engineering, Inc. makes no representation regarding the accuracy or completeness of this map and its underlying data. Any use or reuse of this map will be at your own risk and without liability or legal exposure to Town & Country Engineering, Inc. Not to be used for utility marking for purposes of Digger's Hotline.
Date: 3/24/2025
Path: J:\Jobs\McFarland\MC-230-M4 2025 Street and Utility Improvements\7 Drawings\GIS\MC 230 GIS SHEETS.aprx

BID TABULATION

PAGE 1 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID									
Utility Work									
1.	Sanitary Manhole Castings	20	each	\$ 500.00	\$ 10,000.00	\$ 1,900.00	\$ 38,000.00	\$ 851.00	\$ 17,020.00
2.	10" Ductile Iron CL52 Water Main or Hydrant Lead	18	lin. ft.	\$ 140.00	\$ 2,520.00	\$ 150.00	\$ 2,700.00	\$ 327.80	\$ 5,900.40
3.	8" Ductile Iron CL52 Water Main or Hydrant Lead	4,330	lin. ft.	\$ 135.00	\$ 584,550.00	\$ 130.00	\$ 562,900.00	\$ 286.90	\$ 1,242,277.00
4.	6" Ductile Iron CL52 Water Main or Hydrant Lead	199	lin. ft.	\$ 120.00	\$ 23,880.00	\$ 180.00	\$ 35,820.00	\$ 268.90	\$ 53,511.10
5.	10" Gate Valve & Box	1	each	\$ 5,000.00	\$ 5,000.00	\$ 6,100.00	\$ 6,100.00	\$ 5,042.25	\$ 5,042.25
6.	8" Gate Valve & Box	30	each	\$ 4,000.00	\$ 120,000.00	\$ 4,800.00	\$ 144,000.00	\$ 3,811.75	\$ 114,352.50
7.	6" Gate Valve & Box	11	each	\$ 3,500.00	\$ 38,500.00	\$ 4,000.00	\$ 44,000.00	\$ 2,909.00	\$ 31,999.00
8.	Hydrants	9	each	\$ 7,500.00	\$ 67,500.00	\$ 8,000.00	\$ 72,000.00	\$ 6,759.00	\$ 60,831.00
9.	1" Corporation Stops	81	each	\$ 1,000.00	\$ 81,000.00	\$ 140.00	\$ 11,340.00	\$ 1,057.00	\$ 85,617.00
10.	1" Curb Stops	81	each	\$ 1,000.00	\$ 81,000.00	\$ 590.00	\$ 47,790.00	\$ 1,242.00	\$ 100,602.00
11.	1" Copper Water Service Laterals	1,855	lin. ft.	\$ 45.00	\$ 83,475.00	\$ 16.50	\$ 30,607.50	\$ 30.14	\$ 55,909.70
12.	Directionally Drilled 1" Copper Water Service Laterals	314	lin. ft.	\$ 100.00	\$ 31,400.00	\$ 91.00	\$ 28,574.00	\$ 41.25	\$ 12,952.50
13.	Water Service Lateral Reconnections	81	each	\$ 500.00	\$ 40,500.00	\$ 3,000.00	\$ 243,000.00	\$ 984.50	\$ 79,744.50
14.	Existing Main Reconnections	16	each	\$ 3,000.00	\$ 48,000.00	\$ 3,500.00	\$ 56,000.00	\$ 3,428.00	\$ 54,848.00
15.	4" PVC Storm Sewer Lateral	110	lin. ft.	\$ 75.00	\$ 8,250.00	\$ 69.00	\$ 7,590.00	\$ 59.55	\$ 6,550.50
Street Work									
16.	Excavation/Fill to Plan Subgrade	1	lump sum	\$ 50,000.00	\$ 50,000.00	\$ 150,000.00	\$ 150,000.00	\$ 20,000.00	\$ 20,000.00
17.	Pulverizing and Grading of Existing Asphalt Surface	16,136	sq. yd.	\$ 3.50	\$ 56,476.00	\$ 5.30	\$ 85,520.80	\$ 10.03	\$ 161,844.08
18.	Truncated Dome Panels	96	sq. ft.	\$ 45.00	\$ 4,320.00	\$ 56.00	\$ 5,376.00	\$ 49.00	\$ 4,704.00
19.	Remove and Replace 6" Thick Concrete Sidewalk and Driveways	4,115	sq. ft.	\$ 15.00	\$ 61,725.00	\$ 15.00	\$ 61,725.00	\$ 13.25	\$ 54,523.75
20.	Remove and Replace 4" Thick Concrete Sidewalk	78	sq. ft.	\$ 13.00	\$ 1,014.00	\$ 40.00	\$ 3,120.00	\$ 12.20	\$ 951.60
21.	New 30" Concrete Curb & Gutter	227	lin. ft.	\$ 35.00	\$ 7,945.00	\$ 28.75	\$ 6,526.25	\$ 32.05	\$ 7,275.35
22.	Remove and Replace 30" Concrete Curb & Gutter, <50' lengths	3,061	lin. ft.	\$ 55.00	\$ 168,355.00	\$ 51.00	\$ 156,111.00	\$ 36.75	\$ 112,491.75
23.	Remove and Replace 30" Concrete Curb & Gutter, >50' lengths	2,673	lin. ft.	\$ 45.00	\$ 120,285.00	\$ 34.25	\$ 91,550.25	\$ 34.65	\$ 92,619.45
24.	Remove and Replace 18" Concrete Curb & Gutter, <50' lengths	32	lin. ft.	\$ 45.00	\$ 1,440.00	\$ 73.00	\$ 2,336.00	\$ 33.40	\$ 1,068.80
25.	Remove and Replace 48" Wide Valley Gutter	153	lin. ft.	\$ 65.00	\$ 9,945.00	\$ 71.00	\$ 10,863.00	\$ 46.35	\$ 7,091.55

BID TABULATION

PAGE 2 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
26.	1.5" Hot-Mix Asphalt Surface Course, Type 5 LT	1,531	ton	\$ 80.00	\$ 122,480.00	\$ 81.00	\$ 124,011.00	\$ 76.33	\$ 116,861.23
27.	1.75" Hot-Mix Asphalt Lower Course, Type 4 LT	1,786	ton	\$ 78.00	\$ 139,308.00	\$ 78.00	\$ 139,308.00	\$ 73.87	\$ 131,931.82
28.	2" Hot-Mix Asphalt Paving and Driveways	118	sq. yd.	\$ 25.00	\$ 2,950.00	\$ 18.25	\$ 2,153.50	\$ 24.00	\$ 2,832.00
29.	0.75" Crushed Aggregate Base Course	107	ton	\$ 20.00	\$ 2,140.00	\$ 18.50	\$ 1,979.50	\$ 21.60	\$ 2,311.20
30.	3" Breaker Run	213	ton	\$ 20.00	\$ 4,260.00	\$ 16.75	\$ 3,567.75	\$ 21.60	\$ 4,600.80
31.	Clean & Tack	10,648	sq. yds.	\$ 0.30	\$ 3,194.40	\$ 0.35	\$ 3,726.80	\$ 0.18	\$ 1,916.64
32.	Permanent Signage	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 12,800.00	\$ 12,800.00	\$ 2,500.00	\$ 2,500.00
33.	Permanent Pavement Markings	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 3,700.00	\$ 3,700.00	\$ 3,475.00	\$ 3,475.00
34.	Sawcutting Existing Concrete and Asphalt Pavements	995	lin. ft.	\$ 3.00	\$ 2,985.00	\$ 3.50	\$ 3,482.50	\$ 2.30	\$ 2,288.50
35.	Topsoil Restoration, Hydro-Seeding, Fertilizing & Mulching	3,046	sq. yds.	\$ 5.50	\$ 16,753.00	\$ 10.00	\$ 30,460.00	\$ 13.65	\$ 41,577.90
36.	Concrete Bollard	2	each	\$ 3,000.00	\$ 6,000.00	\$ 870.00	\$ 1,740.00	\$ 800.00	\$ 1,600.00
37.	Erosion Control	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 17,625.00	\$ 17,625.00
38.	Traffic Control	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 4,700.00	\$ 4,700.00	\$ 19,400.00	\$ 19,400.00
39.	Curb Inlet Casting Adjustments	15	each	\$ 1,000.00	\$ 15,000.00	\$ 680.00	\$ 10,200.00	\$ 520.00	\$ 7,800.00
40.	3" Hot-Mix Asphalt Surface Course, Type 5LT, 8' Wide Asphalt Path	190	tons	\$ 100.00	\$ 19,000.00	\$ 99.00	\$ 18,810.00	\$ 97.00	\$ 18,430.00
	BASE BID TOTAL				\$ 2,096,150.40		\$ 2,269,188.85		\$ 2,764,877.87
	ALTERNATIVE BID ITEMS								
A1	Abandon Existing Water Main	1	lump sum	\$ 50,000.00	\$ 50,000.00	\$ 70,000.00	\$ 70,000.00	\$ 43,640.00	\$ 43,640.00
A2	Lake Edge Drive Storm Sewer Lining and Televising	1	lump sum	\$ 30,000.00	\$ 30,000.00	\$ 175,000.00	\$ 175,000.00	\$ 37,500.00	\$ 37,500.00
A3	Bremer Road Storm Sewer Lining and Televising	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 50,000.00	\$ 50,000.00	\$ 17,000.00	\$ 17,000.00
A4	Add/Deduct to Extend Substantial Completion Date to October 15, 2025	1	lump sum	\$ -	\$ -	\$ -	\$ -	\$ (15,000.00)	\$ (15,000.00)

BID TABULATION

PAGE 3 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SUPPLEMENTAL BID ITEMS									
S1	Property Corner Replacement	1	each	\$ 500.00	\$ 500.00	\$ 180.00	\$ 180.00	\$ 1,200.00	\$ 1,200.00
S2	Excavation and Disposal of Bad Subbase Below Subgrade	3,337	cu. yds.	\$ 22.00	\$ 73,414.00	\$ 40.00	\$ 133,480.00	\$ 26.00	\$ 86,762.00
S3	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	6,690	tons	\$ 20.00	\$ 133,800.00	\$ 16.00	\$ 107,040.00	\$ 14.85	\$ 99,346.50
S4	Removal and Disposal of Unsuitable Trench Backfill	500	cu. yds.	\$ 25.00	\$ 12,500.00	\$ 50.00	\$ 25,000.00	\$ 25.00	\$ 12,500.00
S5	Type X Driveway Section Curb & Gutter	50	lin. ft.	\$ 20.00	\$ 1,000.00	\$ 43.50	\$ 2,175.00	\$ 5.00	\$ 250.00
S6	3" Pavement Patching	350	sq. yds.	\$ 30.00	\$ 10,500.00	\$ 41.00	\$ 14,350.00	\$ 57.85	\$ 20,247.50
SUPPLEMENTAL BID TOTAL					\$ 231,714.00		\$ 282,225.00		\$ 220,306.00

2025 STREET AND UTILITY IMPROVEMENTS

LARSON STREET, GLEN ROAD, LAKEVIEW AVENUE, DALE STREET,
SEVERSON STREET, BADGER STREET, YAHARA DRIVE. MCFARLAND COURT

Village of McFarland, Wisconsin

SHEET INDEX	
SHEET NO.	SHEET DESCRIPTION
1	EROSION CONTROL PLAN AND GENERAL NOTES
2	EROSION CONTROL – STANDARD CONSTRUCTION DETAILS
WATER MAIN IMPROVEMENTS	
LR1	PLAN & PROFILE – LARSON STREET STATION 500+00 TO STATION 504+80
G1	PLAN & PROFILE – GLEN STREET STATION 600+00 TO STATION 604+00
G2	PLAN & PROFILE – GLEN STREET STATION 604+00 TO STATION 609+47
LK1	PLAN & PROFILE – LAKEVIEW AVENUE STATION 704+47 TO STATION 707+20
S1	PLAN & PROFILE – SEVERSON STREET STATION 100+00 TO STATION 103+25
S2	PLAN – SEVERSON STREET PAVEMENT REPLACEMENT LIMITS
D1	PLAN & PROFILE – DALE STREET STATION 200+00 TO STATION 204+03
D2	PLAN & PROFILE – DALE STREET STATION 204+03 TO STATION 209+20
B1	PLAN & PROFILE – BADGER STREET STATION 301+40 TO STATION 305+07
Y1	PLAN & PROFILE – YAHARA DRIVE STATION 400+00 TO STATION 406+00
Y2	PLAN & PROFILE – YAHARA DRIVE STATION 406+00 TO STATION 411+44
MISC. IMPROVEMENTS	
3	PLAN – BURMA ROAD BURMA ROAD HYDRANT RELOCATION
4	PLAN – BURMA ROAD BURMA ROAD STORM SEWER LINING
5	PLAN – LAKE EDGE ROAD LAKE EDGE ROAD STORM SEWER LINING
6	PLAN – CTH AB PATH RR CROSSING PATH CROSSING IMPROVEMENTS
7	PLAN – MCFARLAND COURT MCFARLAND COURT PAVEMENT REPLACEMENT
STREET AND UTILITY DETAILS	
8	WATER MAIN IMPROVEMENTS – STANDARD CONSTRUCTION DETAILS
9	STORM SEWER IMPROVEMENTS – STANDARD CONSTRUCTION DETAILS
10	STREET IMPROVEMENTS – STANDARD CONSTRUCTION DETAILS



NO SCALE



TO OBTAIN LOCATION OF PARTICIPANTS' UNDERGROUND FACILITIES BEFORE YOU DIG IN WISCONSIN

CALL DIGGERS HOTLINE
1-800-242-8511
TOLL FREE

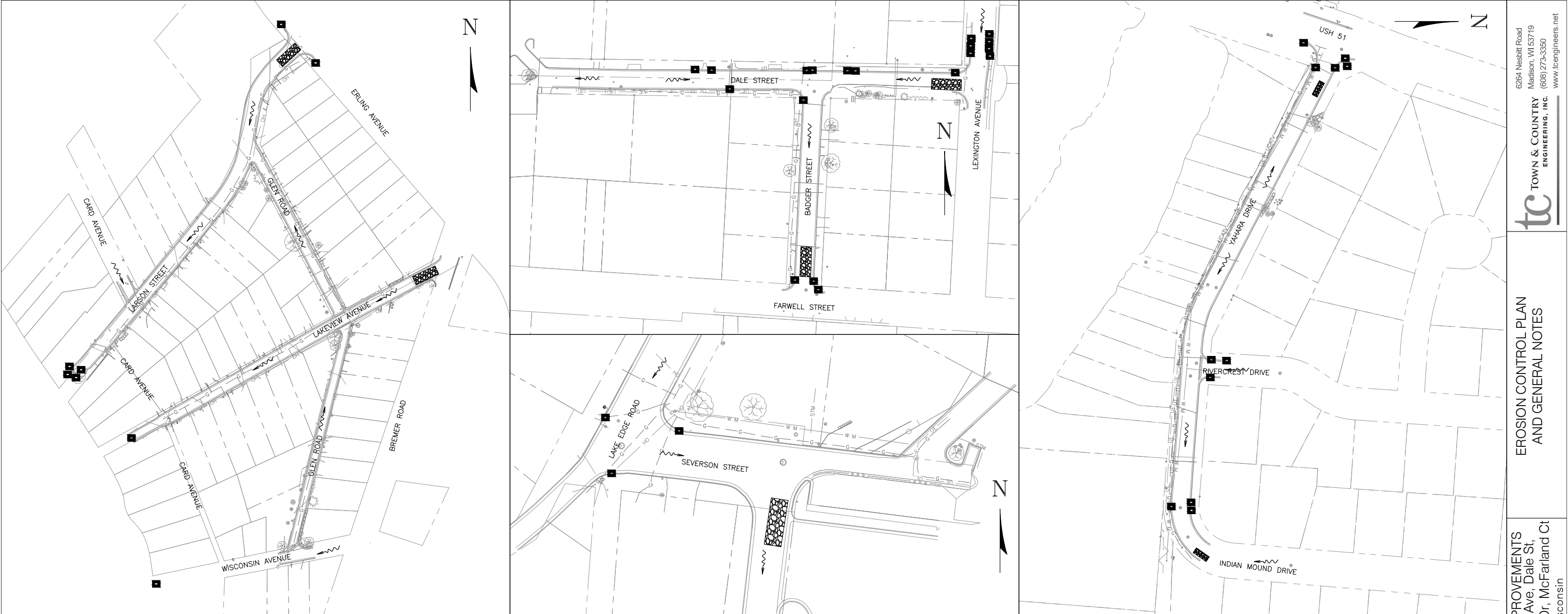
WIS. STATUTE 182.0175 (1974)
REQUIRES MIN. OF 3 WORK DAYS
NOTICE BEFORE YOU EXCAVATE.

LEGEND

UNDERGROUND TELE.	UT
UNDERGROUND CATV.	UCATV
UNDERGROUND ELEC.	UE
OVERHEAD	OH
EXISTING GAS	G
PROPERTY LINE	W M
EXISTING WATER MAIN	W M
EXISTING SANITARY SEWER	SAN
EXISTING STORM SEWER	STM
EXISTING FENCE LINE	X
SAWCUT	XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
NEW STORM SEWER	=====
NEW WATER MAIN	=====
NEW SANITARY SEWER	=====

NEW ITEMS:	CS	HYDRANT	MANHOLE	CURB INLET	ENDWALL	GAS WARNING
EXISTING ITEMS:	FLAG POLE	MAILBOX	POWER POLE	LIGHT POLE	LAMP POST	PULL BOX
	WATER VALVE	CURB STOP	HYDRANT	WELL	MONITORING WELL	TRACER WIRE
	SANITARY MANHOLE	SANITARY VALVE	CLEANOUT	STORM MANHOLE	CURB INLET	CIRCULAR INLET
	SQUARE INLET	ENDWALL	STUMP	DECID. TREE (RELATIVE SIZE SHOWN)	EVERGREEN	SHRUB OR HEDGE
	CATV. PED.	TELE. PED.	ELEC. PED.	GAS VALVE	STREET SIGN	IRON PIPE
						IRON ROD

NOTES: 1.) EXISTING FEATURES AND LABELS ARE SHOWN WITH SCREENED, LIGHTER LINES.
2.) NEW CONCRETE IS SHOWN SHADED IN PLAN VIEWS
3.) CONCRETE REMOVALS ARE SHOWN BY CROSS-HATCHING



EROSION CONTROL NOTES:

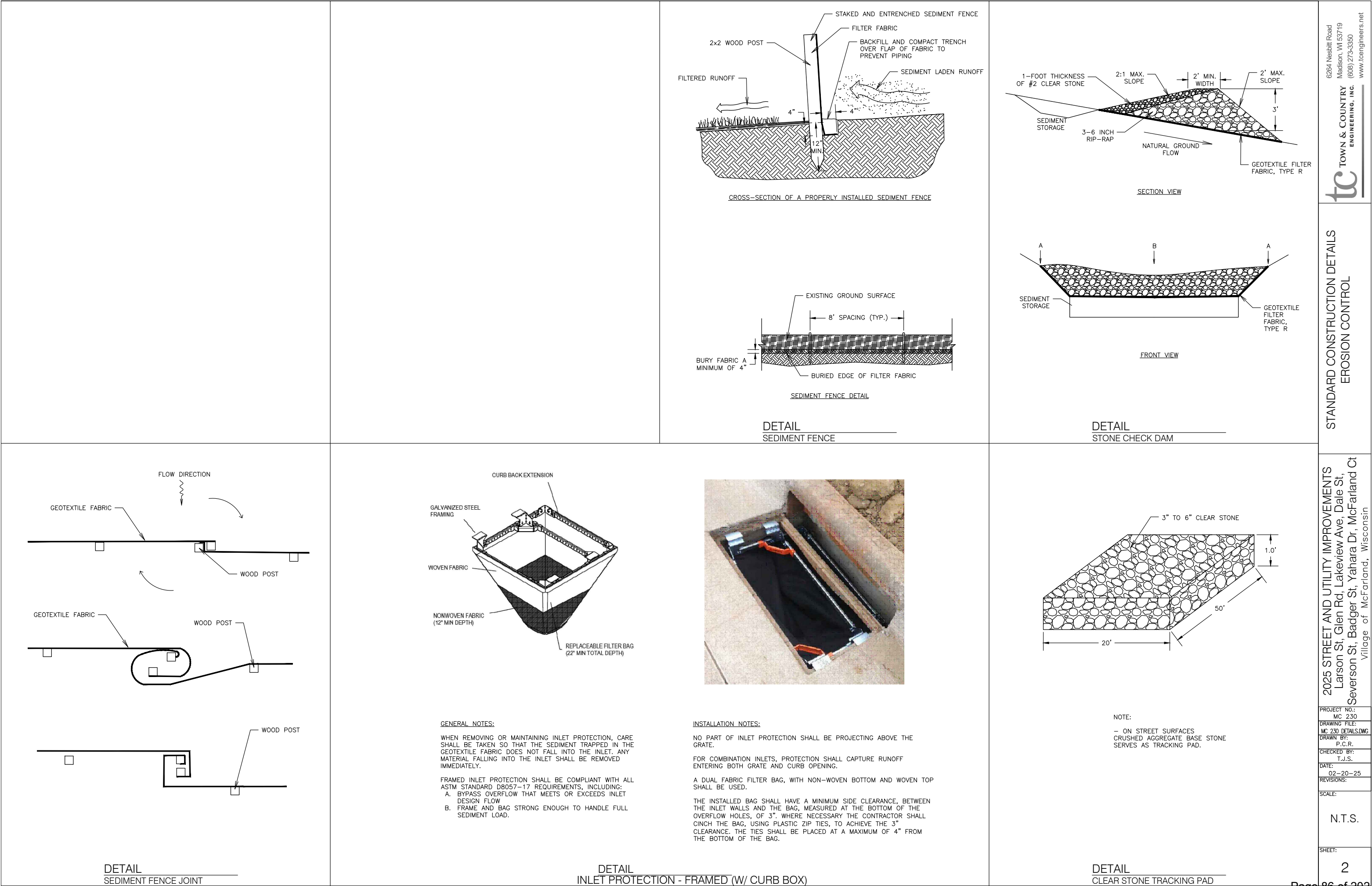
- LOCATIONS MARKED WITH "■" TO RECEIVE INLET FILTER PROTECTION DURING CONSTRUCTION. ALL NEW STREET INLETS MUST ALSO RECEIVE INLET FILTER PROTECTION.
- CONSTRUCT A STONE CHECK DAM IN GUTTER LINE AT ALL LOCATIONS MARKED WITH "▲"
- SURFACE FLOW DIRECTION IS INDICATED WITH
- SILT FENCE INSTALLATION IS INDICATED WITH
- POST WDNR CERTIFICATE OF PERMIT COVERAGE ON SITE AND MAINTAIN UNTIL CONSTRUCTION ACTIVITIES HAVE CEASED, THE SITE IS STABILIZED, AND A NOTICE OF TERMINATION IS FILED WITH WDNR.
- KEEP A COPY OF THE CURRENT EROSION CONTROL PLAN ON SITE THROUGHOUT THE DURATION OF THE PROJECT.
- SUBMIT PLAN REVISIONS OR AMENDMENTS TO THE WDNR AT LEAST 5 DAYS PRIOR TO FIELD IMPLEMENTATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ROUTINE SITE INSPECTIONS AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS AFTER A RAINFALL EVENT OF 0.5 INCHES OR GREATER. KEEP INSPECTION REPORTS ON-SITE AND MAKE THEM AVAILABLE UPON REQUEST.
- INSPECT AND MAINTAIN ALL INSTALLED EROSION CONTROL PRACTICES UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED.
- WHEN POSSIBLE: PRESERVE EXISTING VEGETATION (ESPECIALLY ADJACENT TO SURFACE WATERS), MINIMIZE LAND-DISTURBING CONSTRUCTION ACTIVITY ON SLOPES OF 20% OR MORE, MINIMIZE SOIL COMPACTION, AND PRESERVE TOPSOIL.
- REFER TO THE WDNR STORMWATER CONSTRUCTION TECHNICAL STANDARDS AT http://dnr.wi.gov/topic/stormwater/standards/const_standards.html.
- INSTALL PERIMETER EROSION CONTROLS AND ROCK TRACKING PAD CONSTRUCTION ENTRANCE(S) PRIOR TO ANY LAND-DISTURBING ACTIVITIES, INCLUDING CLEARING AND GRUBBING. USE WDNR TECHNICAL STANDARD STONE TRACKING PAD AND TIRE WASHING #1057 FOR ROCK CONSTRUCTION ENTRANCE(S).
- INSTALL INLET PROTECTION PRIOR TO LAND-DISTURBING ACTIVITIES IN THE CONTRIBUTING DRAINAGE AREA AND/OR IMMEDIATELY UPON INLET INSTALLATION. COMPLY WITH WDNR TECHNICAL STANDARD STORM DRAIN INLET PROTECTION FOR CONSTRUCTION SITES #1060.

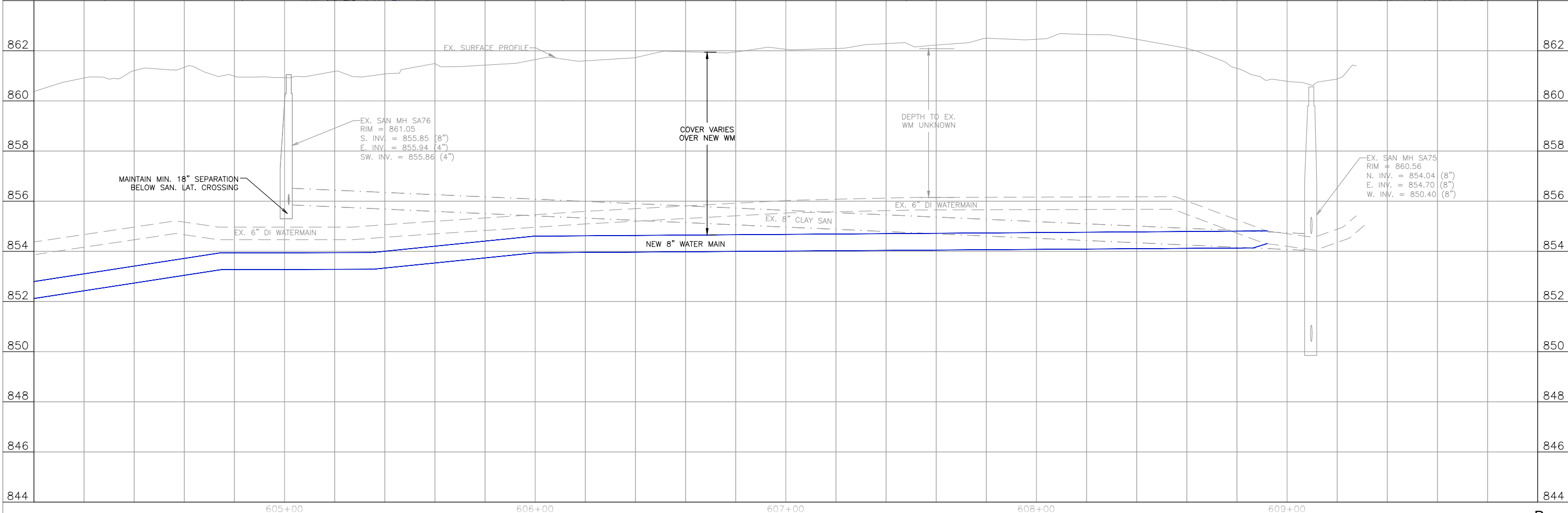
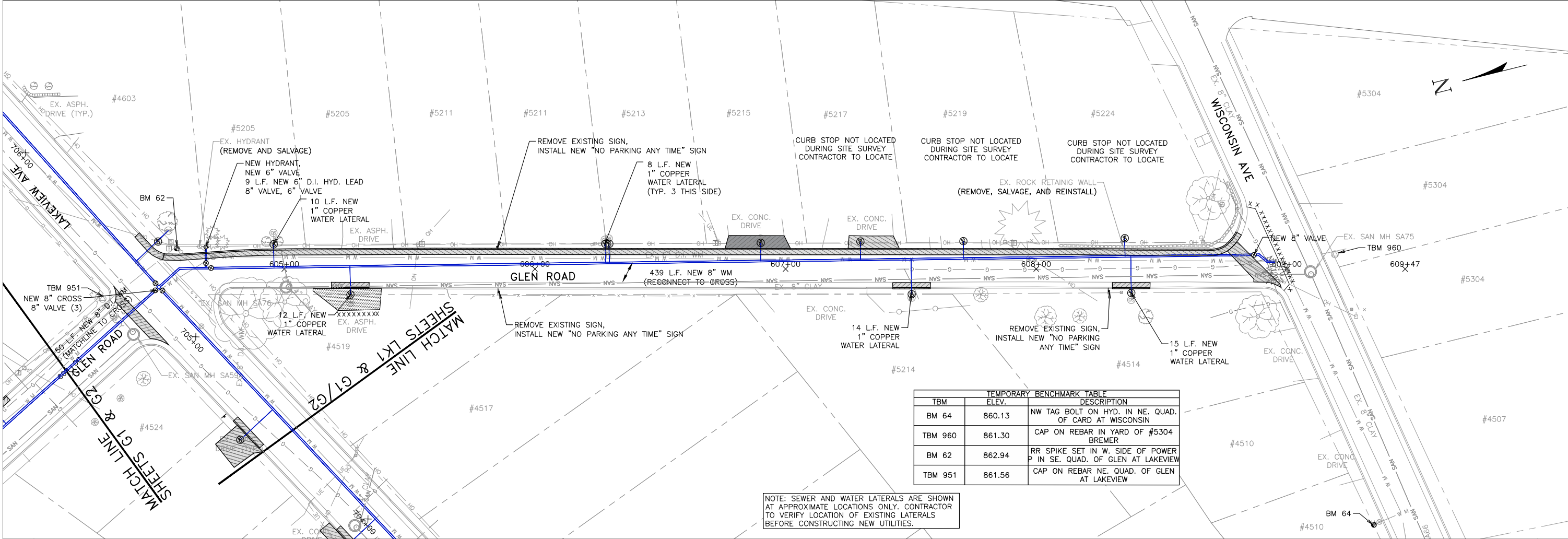
- STAGE CONSTRUCTION GRADING ACTIVITIES TO MINIMIZE THE CUMULATIVE EXPOSED AREA. CONDUCT TEMPORARY GRADING FOR EROSION CONTROL PER WDNR TECHNICAL STANDARD TEMPORARY GRADING PRACTICES FOR EROSION CONTROL #1067.
- NOTIFY THE OWNER IF DEWATERING IS SCHEDULED TO OCCUR IN AREAS OF SOIL AND/OR GROUNDWATER CONTAMINATION, OR IF DEWATERING WILL OCCUR FROM A HIGH CAPACITY WELL (70 GPM OR MORE). DEWATER ONLY AFTER THE APPROPRIATE WDNR DEWATERING DISCHARGE PERMIT HAS BEEN OBTAINED.
- PROVIDE ANTI-SCOUR PROTECTION AND MAINTAIN NON-EROSIVE FLOW DURING DEWATERING. LIMIT PUMPING RATES TO EITHER (A) THE SEDIMENT BASIN/TRAP DESIGN DISCHARGE RATE, OR (B) THE BASIN DESIGN RELEASE RATE WITH THE CORRECTLY-FITTED HOSE AND GEOTEXTILE FILTER BAG. PERFORM DEWATERING OF ACCUMULATED SURFACE RUNOFF IN ACCORDANCE WITH WDNR TECHNICAL STANDARD DE-WATERING #1061.
- CONSTRUCT AND PROTECT THE BIOINFILTRATION BASIN AND VEGETATION FROM RUNOFF AND SEDIMENT DURING CONSTRUCTION. REFERENCE THE WDNR TECHNICAL STANDARD BIORETENTION FOR INFILTRATION #1004.
- INSTALL AND MAINTAIN SILT FENCING PER WDNR TECHNICAL STANDARD SILT FENCE #1056. REMOVE SEDIMENT FROM BEHIND SILT FENCES AND SEDIMENT BARRIERS BEFORE SEDIMENT REACHES A DEPTH THAT IS EQUAL TO ONE-HALF OF THE FENCE AND/OR BARRIER HEIGHT.
- REPAIR BREAKS AND GAPS IN SILT FENCES AND BARRIERS IMMEDIATELY. REPLACE DECOMPOSING STRAW BALES (TYPICAL BALE LIFE IS 3 MONTHS). LOCATE, INSTALL, AND MAINTAIN STRAW BALES PER WDNR TECHNICAL STANDARD DITCH CHECKS #1062.
- INSTALL AND MAINTAIN FILTER SOCKS IN ACCORDANCE WITH WDNR TECHNICAL STANDARD INTERIM MANUFACTURED PERIMETER CONTROL AND SLOPE INTERRUPTION PRODUCTS #1071.
- IMMEDIATELY STABILIZE STOCKPILES AND SURROUND STOCKPILES AS NEEDED WITH SILT FENCE OR OTHER PERIMETER CONTROL IF STOCKPILES WILL REMAIN INACTIVE FOR 7 DAYS OR LONGER.
- IMMEDIATELY STABILIZE ALL DISTURBED AREAS THAT WILL REMAIN INACTIVE FOR 14 DAYS OR LONGER. BETWEEN SEPTEMBER 15 AND OCTOBER 15: STABILIZE WITH MULCH, TACKIFIER, AND A PERENNIAL SEED MIXED WITH WINTER WHEAT, ANNUAL OATS, OR ANNUAL RYE, AS APPROPRIATE FOR REGION AND SOIL TYPE. OCTOBER 15 THROUGH COLD WEATHER: STABILIZE WITH A POLYMER AND DORMANT SEED MIX, AS APPROPRIATE FOR REGION AND SOIL TYPE.
- STABILIZE AREAS OF FINAL GRADING WITHIN 7 DAYS OF REACHING FINAL GRADE.
- SWEEP/CLEAN UP ALL SEDIMENT/TRASH THAT MOVES OFF-SITE DUE TO CONSTRUCTION ACTIVITY OR STORM EVENTS BEFORE THE END OF THE SAME WORKDAY OR AS DIRECTED BY THE OWNER. SEPARATE SWEEP MATERIALS (SOILS AND TRASH) AND DISPOSE OF APPROPRIATELY.

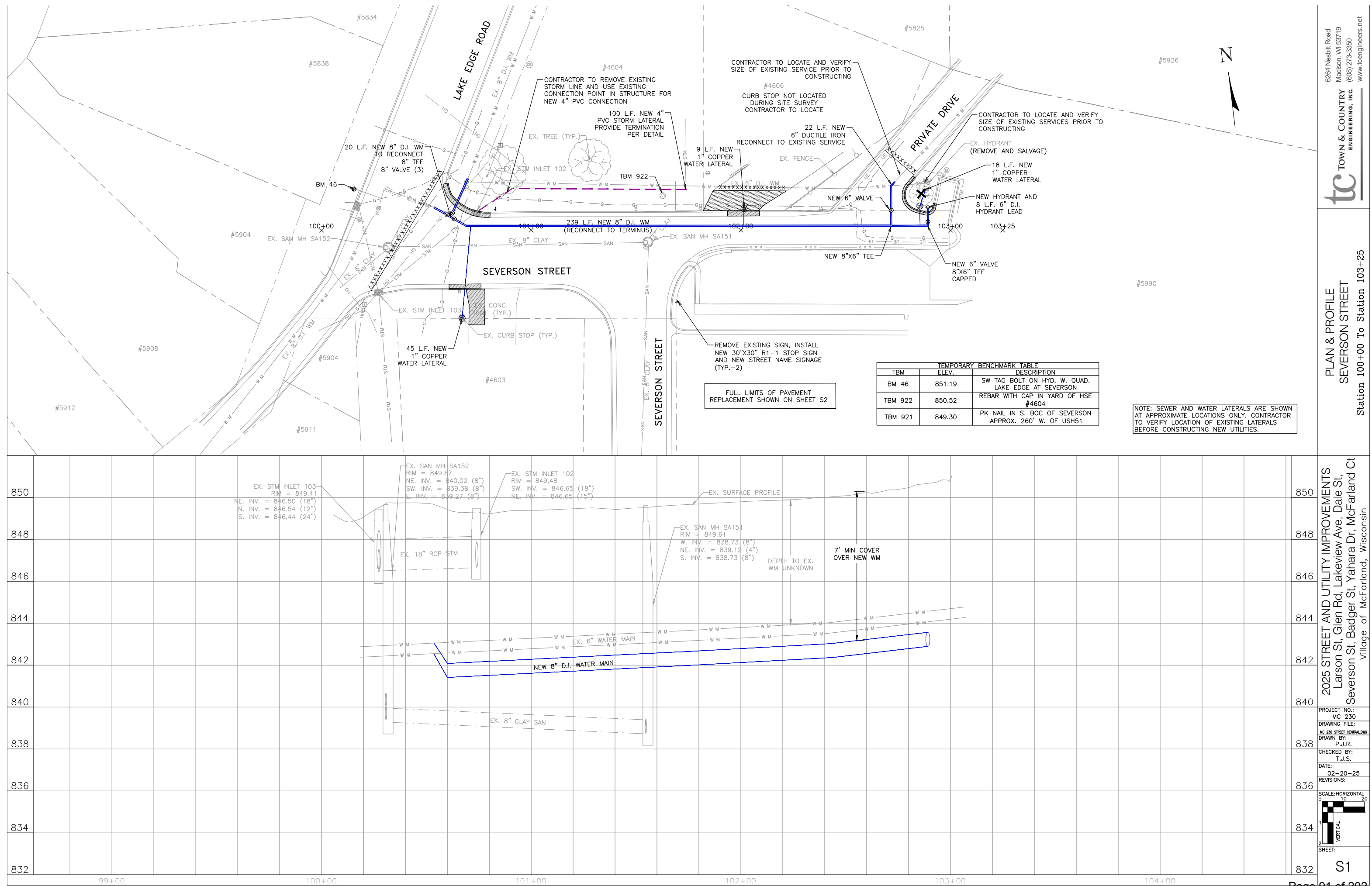
- THE CONTRACTOR IS RESPONSIBLE FOR CONTROLLING DUST PER WDNR TECHNICAL STANDARD DUST CONTROL ON CONSTRUCTION SITES #1068.
- PROPERLY DISPOSE OF ALL WASTE AND UNUSED BUILDING MATERIALS (INCLUDING GARBAGE, DEBRIS, CLEANING WASTES, OR OTHER CONSTRUCTION MATERIALS) AND DO NOT ALLOW THESE MATERIALS TO BE CARRIED BY RUNOFF INTO THE RECEIVING CHANNEL.
- COORDINATE WITH THE OWNER TO UPDATE THE LAND DISTURBANCE PERMIT TO INDICATE THE ANTICIPATED OR LIKELY DISPOSAL LOCATIONS FOR ANY EXCAVATED SOILS OR CONSTRUCTION DEBRIS THAT WILL BE HAULED OFF-SITE FOR DISPOSAL. THE DEPOSITED OR STOCKPILED MATERIAL NEEDS TO INCLUDE PERIMETER SEDIMENT CONTROL MEASURES (SUCH AS SILT FENCE, HAY BALES, FILTER SOCKS, OR COMPACTED EARTHEN BERMS).
- FOR NON-CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED SLOPES, PROVIDE CLASS I, II OR III TYPE A EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD NON-CHANNEL EROSION MAT #1052.
- FOR CHANNELIZED FLOW ON DISTURBED OR CONSTRUCTED AREAS, PROVIDE CLASS I, II, OR III TYPE B EROSION CONTROL MATTING. SELECT EROSION MATTING FROM APPROPRIATE MATRIX IN WDOT'S WIDOT PRODUCT ACCEPTABILITY LIST (PAL); INSTALL AND MAINTAIN PER WDNR TECHNICAL STANDARD CHANNEL EROSION MAT #1053.
- MAKE PROVISIONS FOR WATERING DURING THE FIRST 8 WEEKS FOLLOWING SEEDING OR PLANTING OF DISTURBED AREAS WHENEVER MORE THAN 7 CONSECUTIVE DAYS OF DRY WEATHER OCCUR.
- INSTALL ADDITIONAL EROSION AND SEDIMENT CONTROL MEASURES (SUCH AS TEMPORARY SEDIMENT BASINS, DITCH CHECKS, EROSION CONTROL MATTING, SILT FENCING, FILTER SOCKS, WATTLES, SWALES, ETC.), OR AS DIRECTED BY THE OWNER.
- HANDLE AND DISPOSE OF CONCRETE WASHOUT IN ACCORDANCE WITH THE PROJECT SPECIFICAITONS

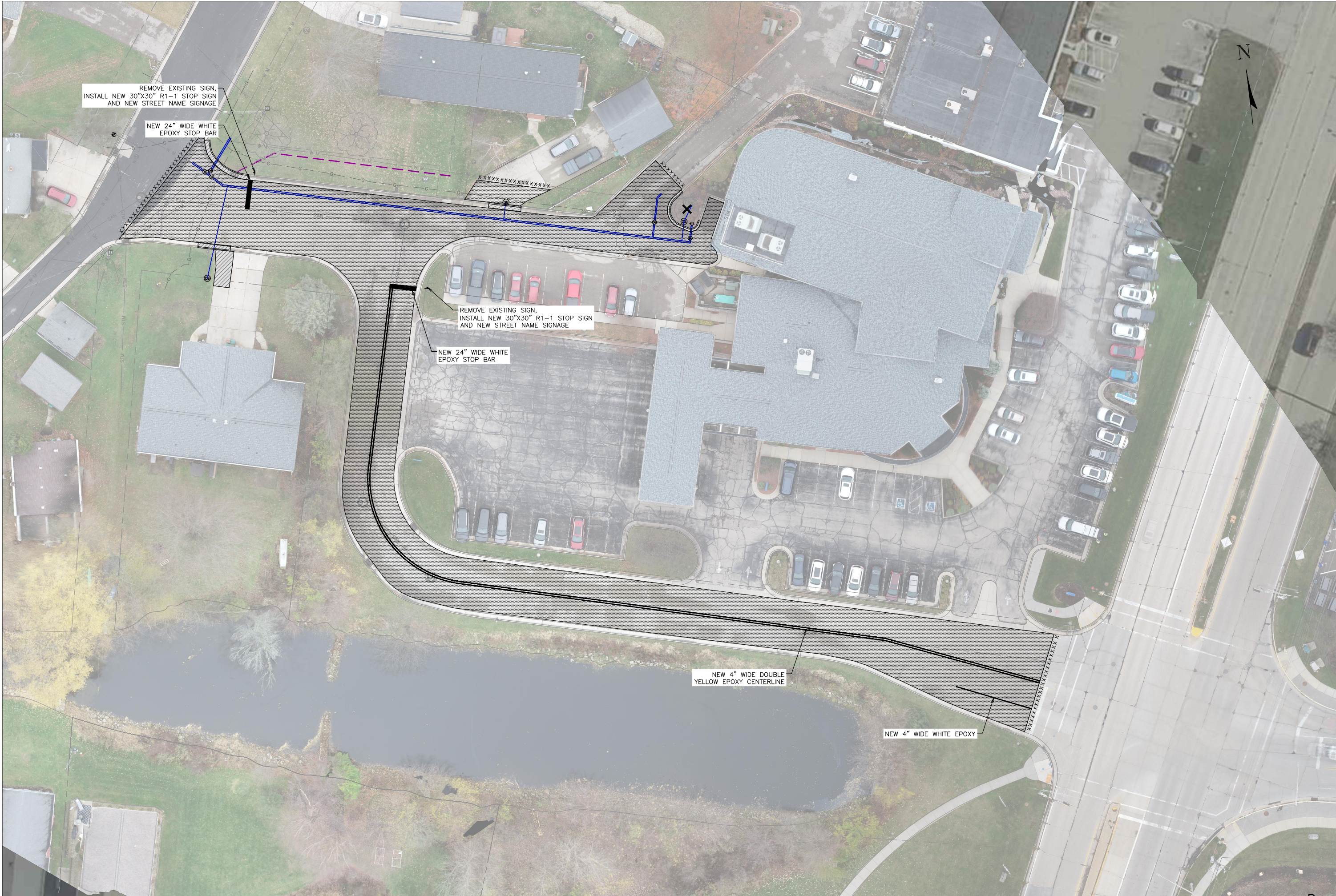
EROSION CONTROL PLAN
AND GENERAL NOTES

2025 STREET AND UTILITY IMPROVEMENTS
Larson St, Glen Rd, Lakeview Ave, Dale St,
Severson St, Badger St, Yahara Dr, McFarland Ct
Village of McFarland, Wisconsin









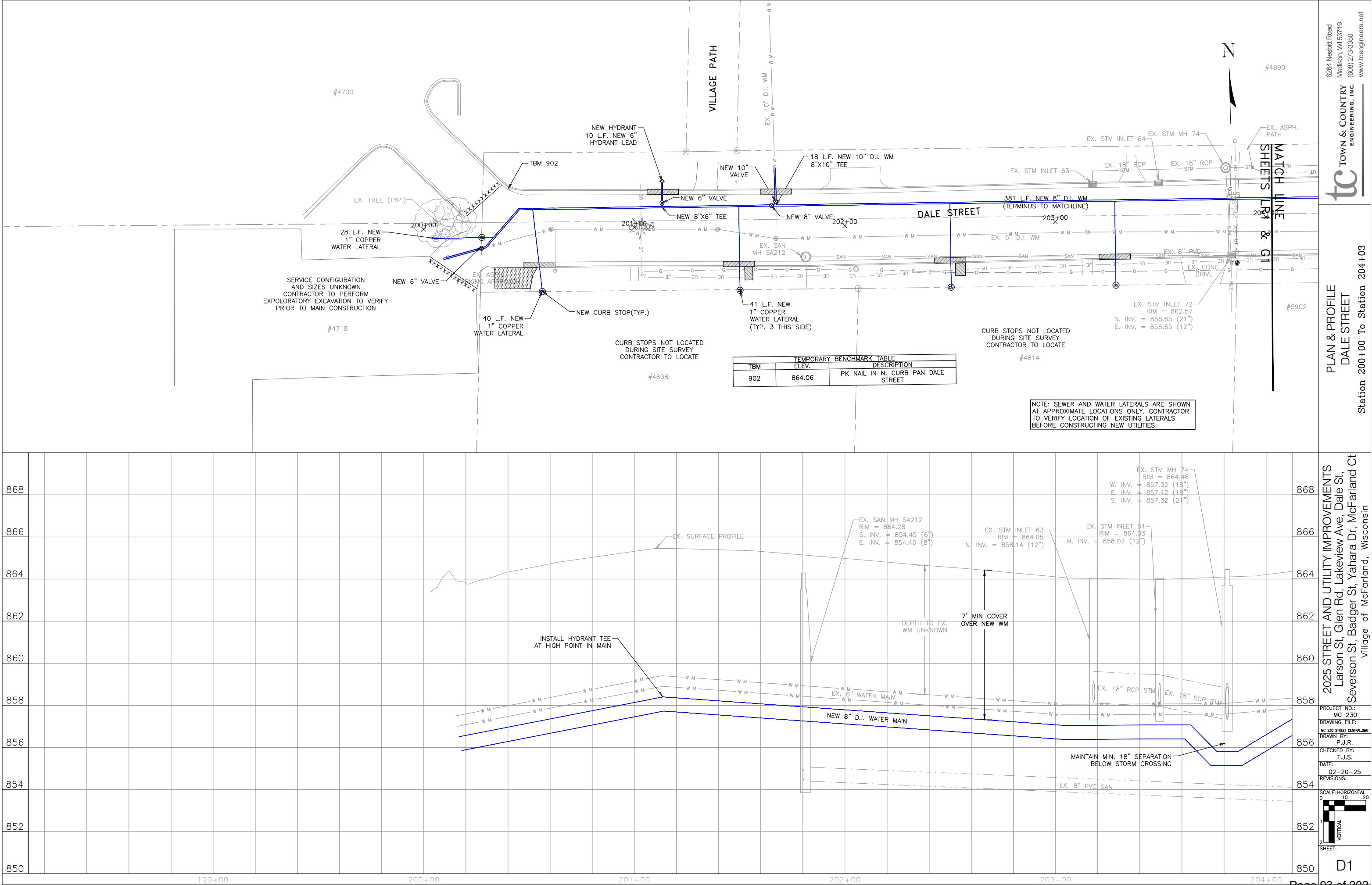
PROJECT NO.:
MC 230
DRAWING FILE:
MC 230 STREET CENTRAL/NOV
DRAWN BY:
P.J.R.
CHECKED BY:
T.J.S.
DATE:
02-20-25
REVISIONS:
SCALE: HORIZONTAL
0 10 20
VERTICAL
1 2
SHEET:

S2

2025 STREET AND UTILITY IMPROVEMENTS
Larson St, Glen Rd, Lakeview Ave, Dale St,
Severson St, Badger St, Yahara Dr, McFarland Ct
Village of McFarland, Wisconsin

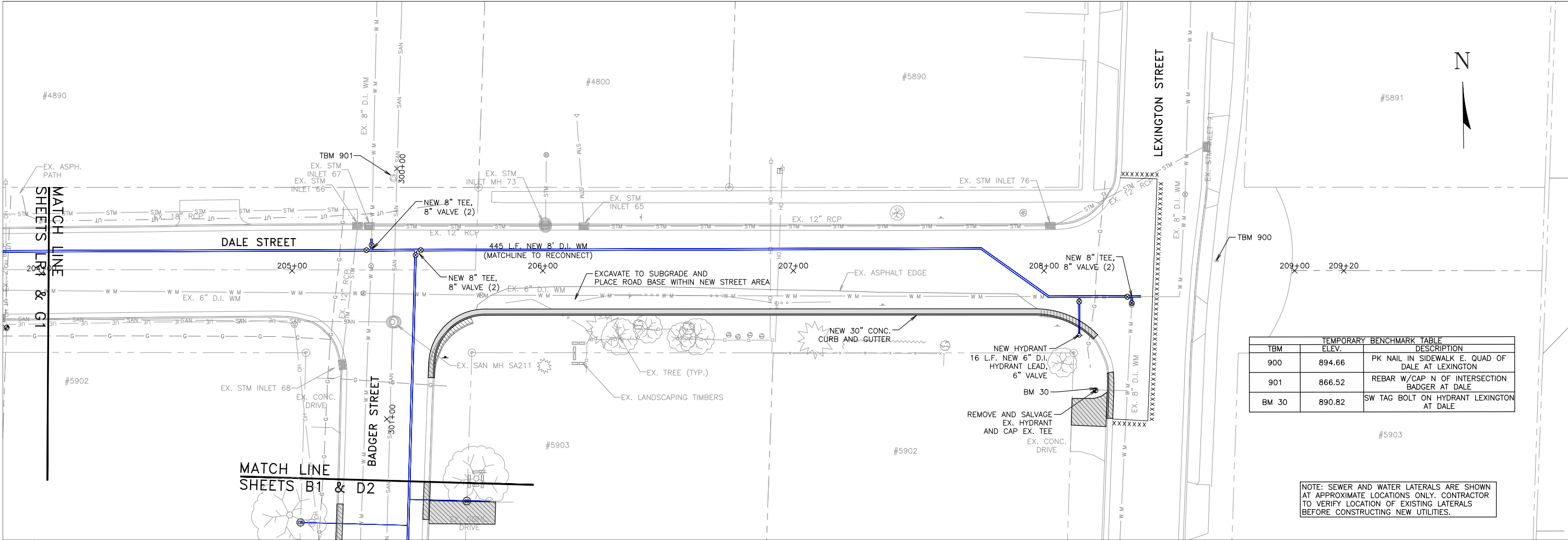
PLAN
SEVERSON STREET
PULVERIZE AND OVERLAY LIMITS

tc TOWN & COUNTRY
ENGINEERING, INC.
6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tcengineers.net



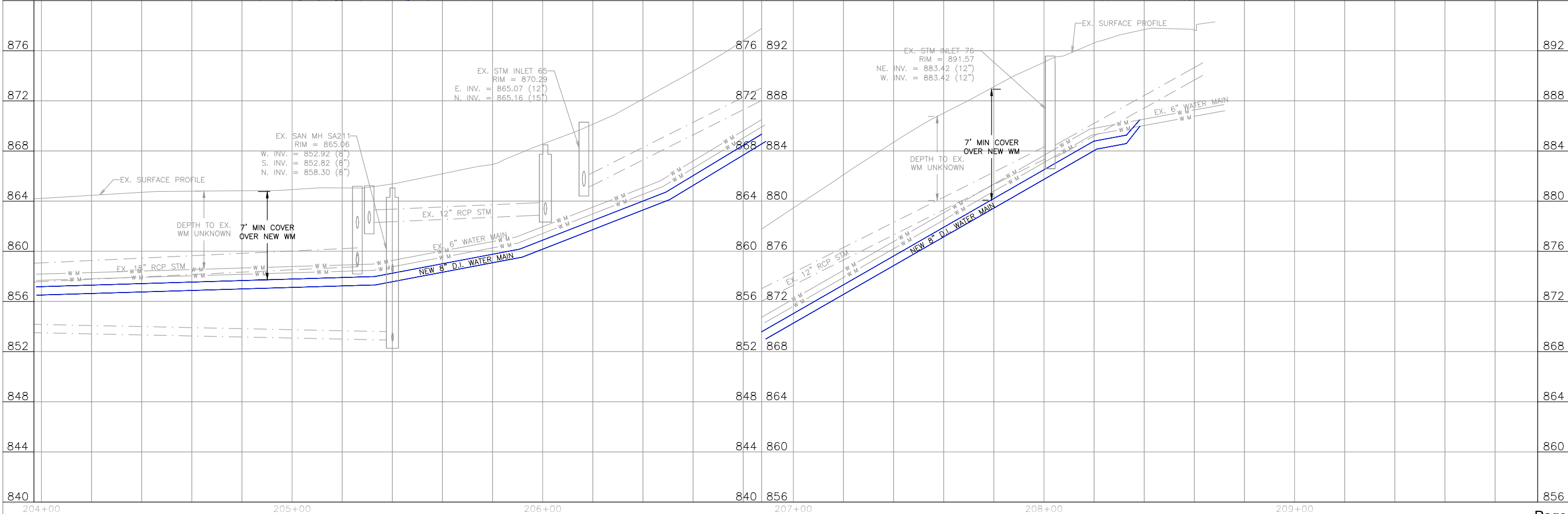
TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
902	864.06	PK NAIL IN N. CURB PAN DALE STREET

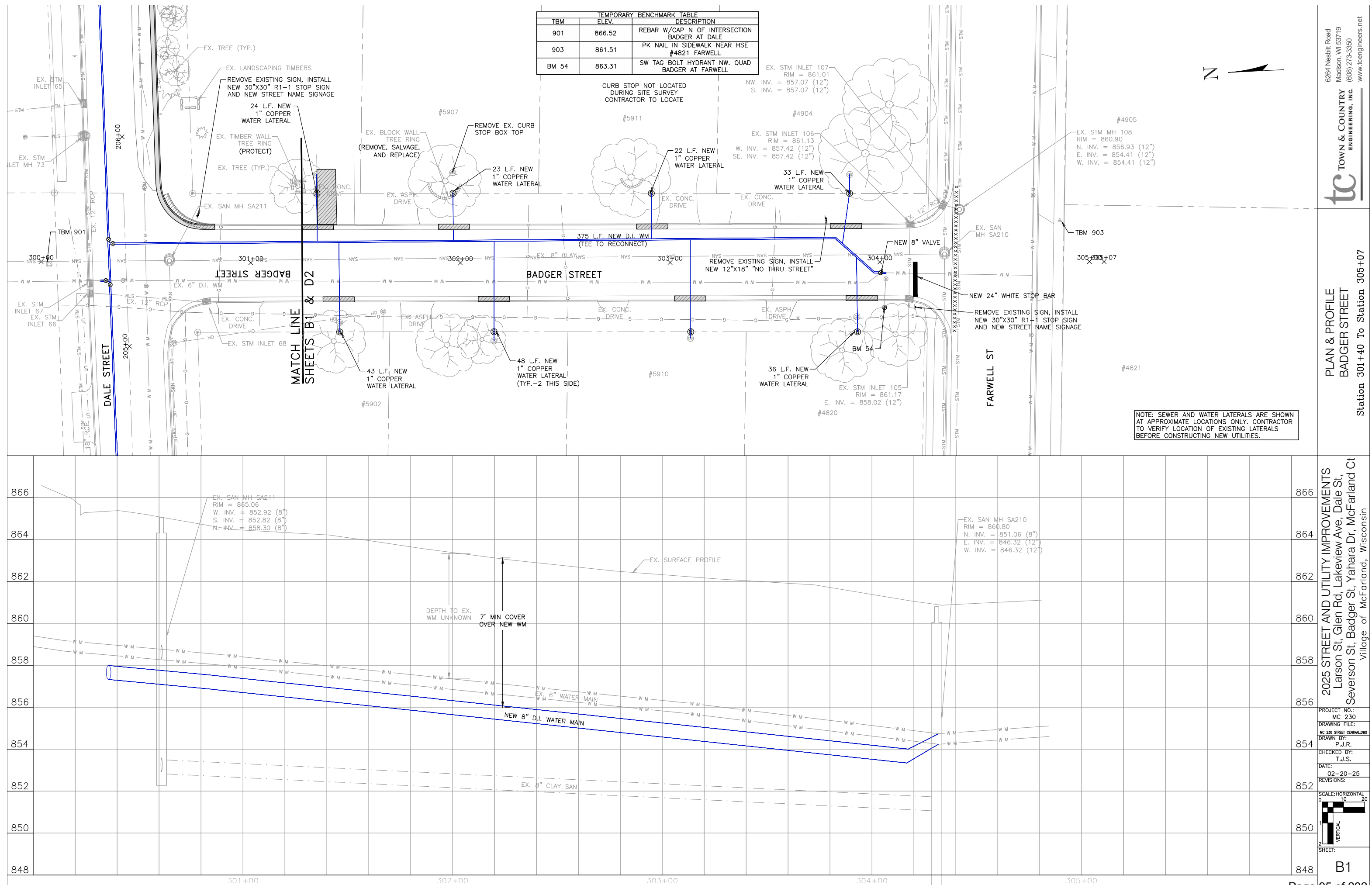
NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.

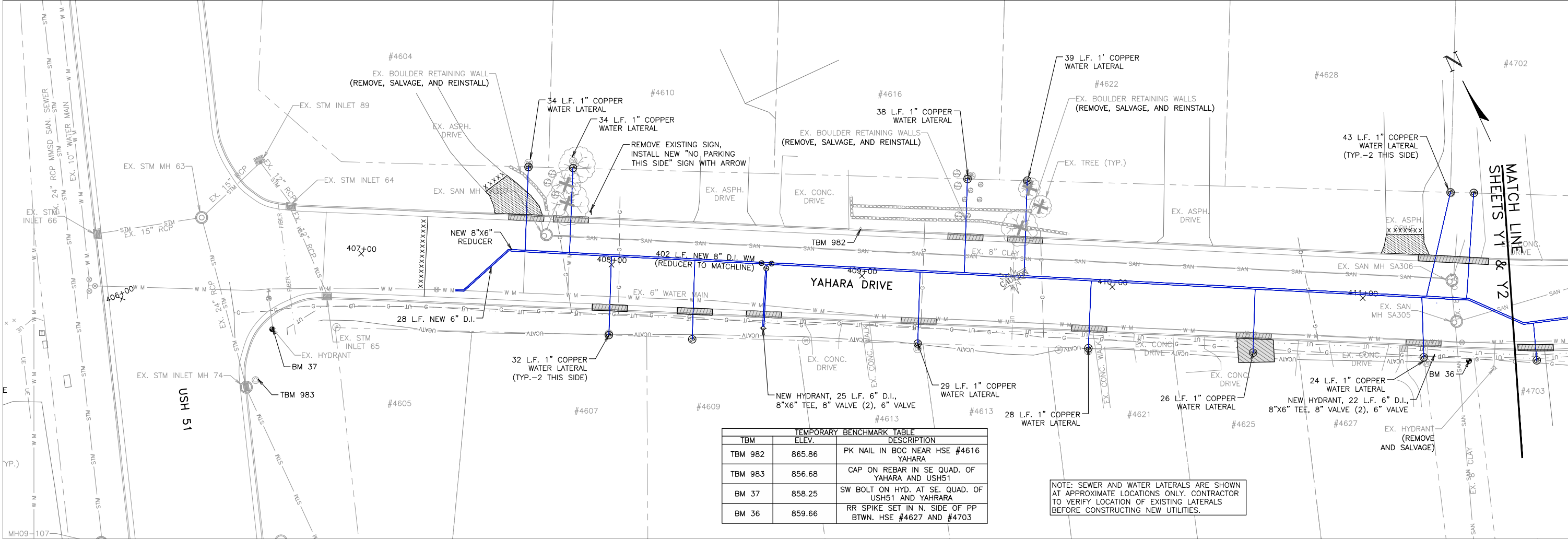


TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
900	894.66	PK NAIL IN SIDEWALK E. QUAD OF DALE AT LEXINGTON
901	866.52	REBAR W/CAP N OF INTERSECTION BADGER AT DALE
BM 30	890.82	SW TAG BOLT ON HYDRANT LEXINGTON AT DALE

NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.

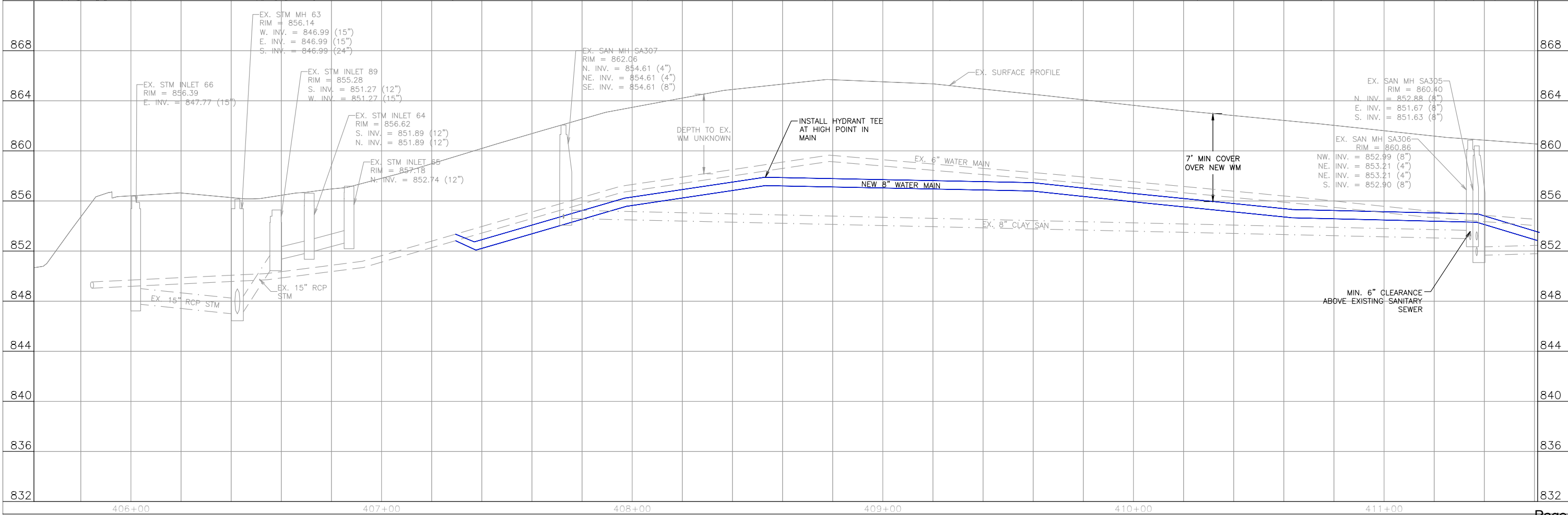






TEMPORARY BENCHMARK TABLE		
TBM	ELEV.	DESCRIPTION
TBM 982	865.86	PK NAIL IN BOC NEAR HSE #4616 YAHARA
TBM 983	856.68	CAP ON REBAR IN SE QUAD. OF YAHARA AND USH51
BM 37	858.25	SW BOLT ON HYD. AT SE. QUAD. OF USH51 AND YAHARA
BM 36	859.66	RR SPIKE SET IN N. SIDE OF PP BTWN. HSE #4627 AND #4703

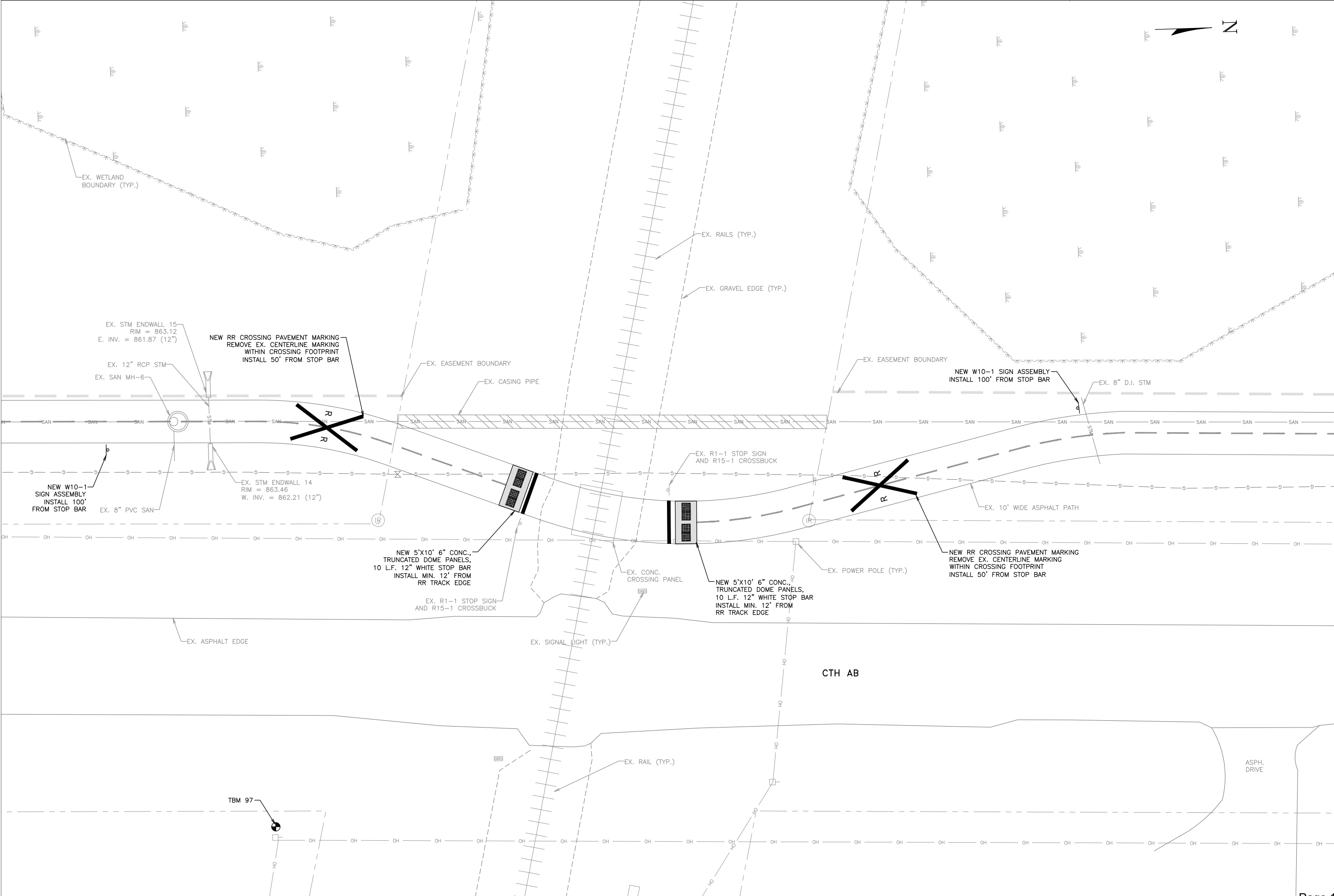
NOTE: SEWER AND WATER LATERALS ARE SHOWN AT APPROXIMATE LOCATIONS ONLY. CONTRACTOR TO VERIFY LOCATION OF EXISTING LATERALS BEFORE CONSTRUCTING NEW UTILITIES.





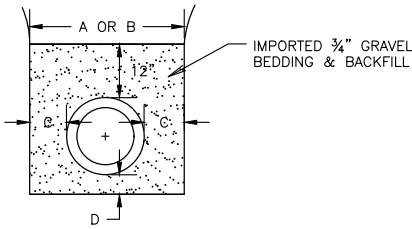




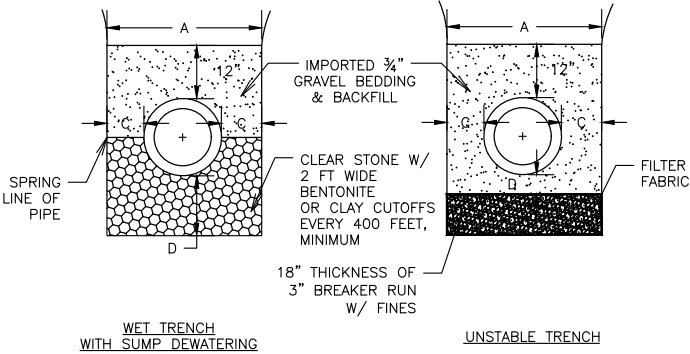




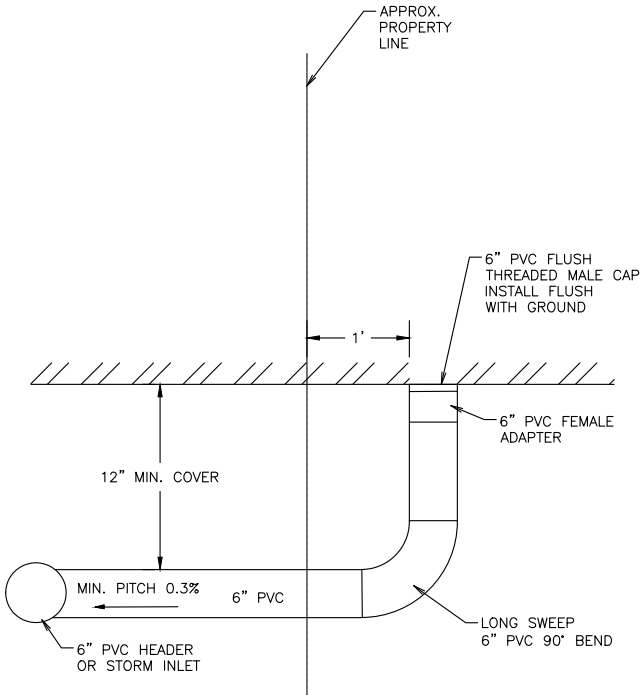
- DIMENSIONS:
- A: OUTSIDE DIAMETER OF PIPE PLUS 24" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36". TRENCH SHIELDS NARROWER THAN 4 FEET INSIDE WIDTH WILL NOT BE REQUIRED UNLESS SPECIFICALLY REQUIRED IN THE PROJECT SPECIFICATIONS.
- B: FOR ROCK, OUTSIDE DIAMETER OF PIPE PLUS 18" MAXIMUM, EXCEPT NEED NOT BE LESS THAN 36".
- C: MINIMUM - 6"
- D: MINIMUM 4" BELOW BARREL AND 3" BELOW BELL.



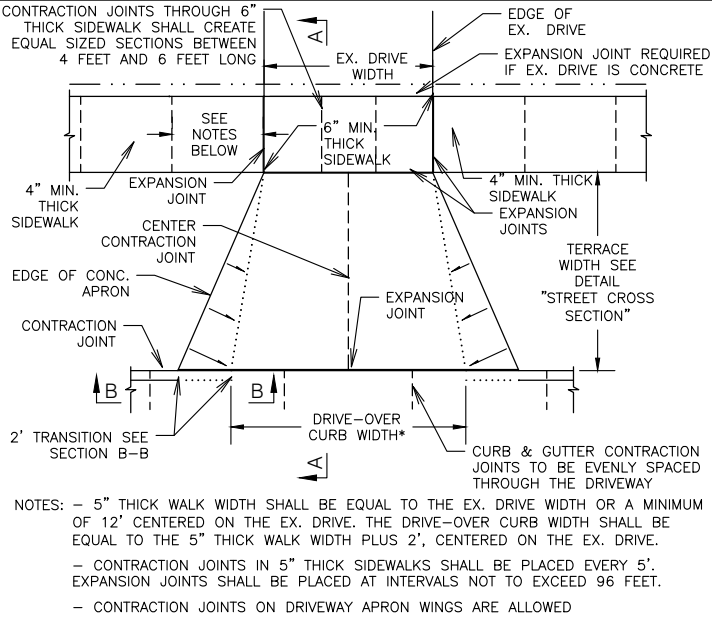
NORMAL PIPE TRENCH



DETAIL
TRENCH WIDTH AND BEDDING

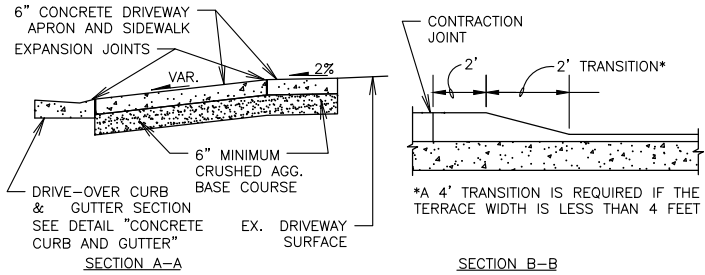


DETAIL
STORM LATERAL TERMINATION



NOTES: - 5" THICK WALK WIDTH SHALL BE EQUAL TO THE EX. DRIVE WIDTH OR A MINIMUM OF 12' CENTERED ON THE EX. DRIVE. THE DRIVE-OVER CURB WIDTH SHALL BE EQUAL TO THE 5" THICK WALK WIDTH PLUS 2', CENTERED ON THE EX. DRIVE.
- CONTRACTION JOINTS IN 5" THICK SIDEWALKS SHALL BE PLACED EVERY 5'. EXPANSION JOINTS SHALL BE PLACED AT INTERVALS NOT TO EXCEED 96 FEET.
- CONTRACTION JOINTS ON DRIVEWAY APRON WINGS ARE ALLOWED

PLAN VIEW

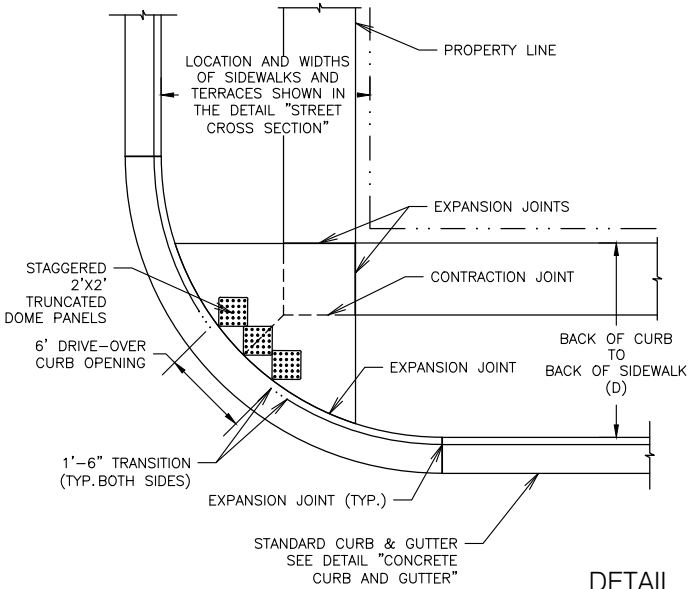


DETAIL
DRIVEWAY

NOTES:
TRUNCATED DOME PANELS
MUST TOUCH ONE CORNER TO RADIUS
OF BACK OF CURB. IF MORE THAN ONE
IS USED THEY MUST TOUCH OR
OVERLAP. DOMES SHALL BE ALIGNED
WITH CROSS WALK DIRECTION.

TYPE 1 CURB RAMP

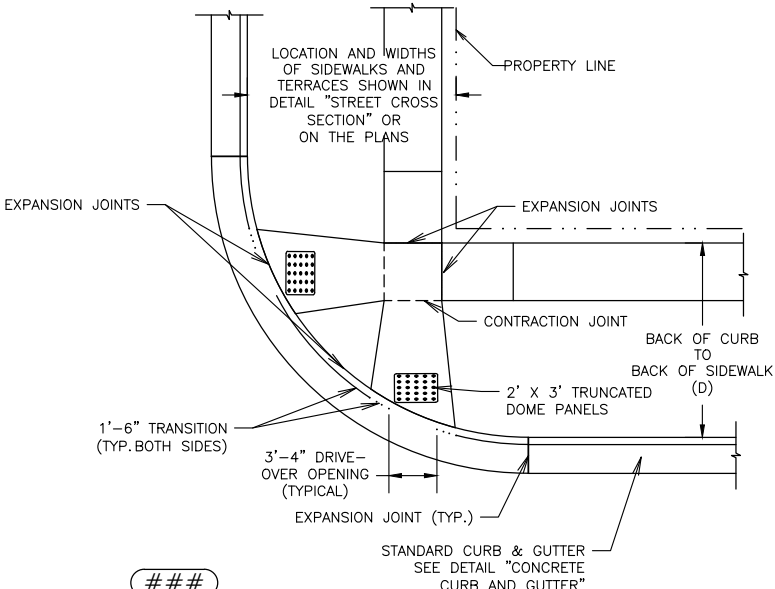
- FOR USE WHEN THE DISTANCE FROM THE BACK OF THE CURB TO THE BACK OF THE SIDEWALK (D) IS LESS THAN 12 FEET.



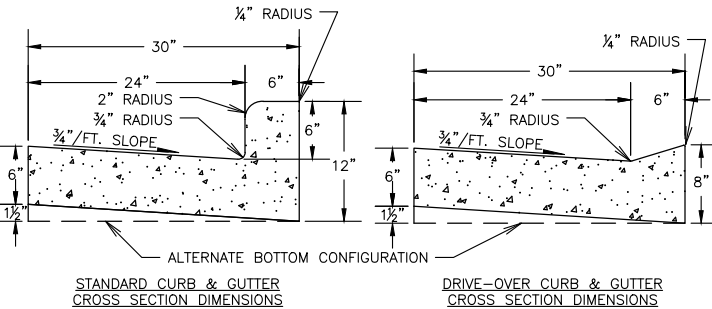
DETAIL
CURB RAMP

TYPE 2 CURB RAMP

- FOR USE WHEN THE DISTANCE FROM THE BACK OF THE CURB TO THE BACK OF THE SIDEWALK (D) IS GREATER THAN OR EQUAL TO 12 FEET.

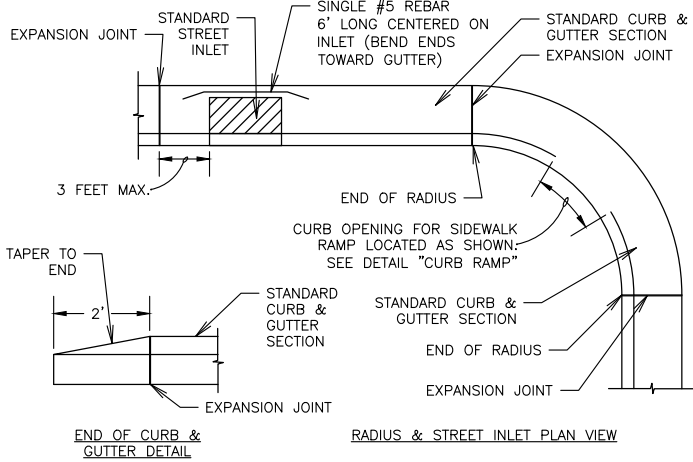


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STANDARD CURB & GUTTER
CROSS SECTION DIMENSIONS

DRIVE-OVER CURB & GUTTER
CROSS SECTION DIMENSIONS

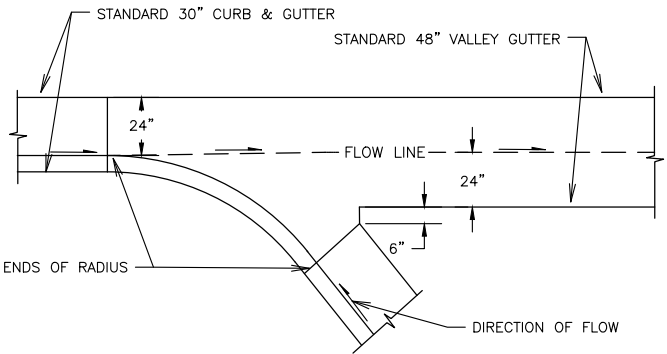


END OF CURB &
GUTTER DETAIL

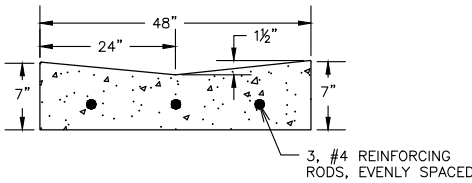
RADIUS & STREET INLET PLAN VIEW

NOTES:
1.) CONTRACTION JOINTS SHALL BE PLACED EVERY 6 TO 12 FEET AND AT LOCATIONS SHOWN IN THE CURB RAMP AND DRIVEWAY DETAILS.
2.) EXPANSION JOINTS SHALL BE PLACED AT EVERY END OF RADIUS, 3 FEET ON ONE SIDE OF EACH STREET INLET AND AT INTERVALS NOT TO EXCEED 300 FEET.

DETAIL
CONCRETE CURB AND GUTTER

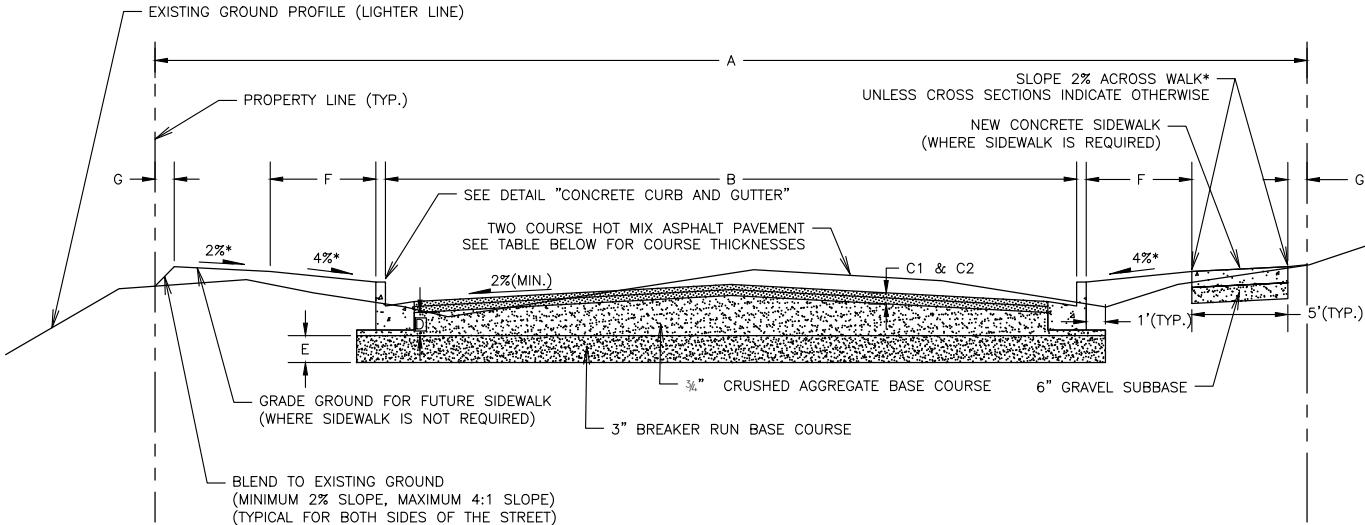


VALLEY GUTTER PLAN VIEW



STANDARD VALLEY GUTTER CROSS SECTION
DIMENSIONS

DETAIL
VALLEY GUTTER



STANDARD STREET DETAIL DIMENSIONS

	A	B	C1	C2	D	E	F	G
	RIGHT OF WAY WIDTH	CURB FACE TO CURB FACE WIDTH	LOWER COURSE THICKNESS	SURFACE COURSE THICKNESS	C.A.B.C. THICKNESS*	3" BREAKER RUN B.C. THICKNESS	TERRACE WIDTH	BACK OF WALK TO PROP. LINE
STREET NAME								
LARSON STREET	30'	27.5'	1 1/4"	1 1/2"	6"	12" MIN.		
GLEN ROAD	30'	20'	1 1/4"	1 1/2"	6"	12" MIN.		
LAKEVIEW AVENUE	30'	22'	1 1/4"	1 1/2"	6"	12" MIN.		
DALE STREET	66'	35'	1 1/4"	1 1/2"	6"	12" MIN.		
BADGER STREET	30'	34'	1 1/4"	1 1/2"	6"	12" MIN.		
MCFARLAND COURT	66'	31'	1 1/4"	1 1/2"	6"	12" MIN.		
SEVERSON STREET	VARIES	27.5'	1 1/4"	1 1/2"	6"	12" MIN.		
YAHARA DRIVE	66'	35'	1 1/4"	1 1/2"	6"	12" MIN.		

*WHERE PLAN CROSS SECTIONS CONFLICT WITH THIS DETAIL, THE PLAN CROSS SECTION SHALL GOVERN.

NOTES:
THE CROWN OF THE ROAD SHALL BE CREATED USING THE 3/4" CRUSHED AGGREGATE BASE COURSE. THE THICKNESS SHOWN IS THE MINIMUM THICKNESS REQUIRED AS MEASURED AT THE CONCRETE CURB & GUTTER SECTION.

THE 3" BREAKER RUN BASE COURSE THICKNESS MAY NEED TO BE INCREASED DEPENDING UPON SUBGRADE CONDITIONS.

DETAIL
STREET CROSS SECTION





GLENWAY STREET

CONSTRUCT NEW CONCRETE APRON
WITH TRUNCATED DOME PANELS

EX. APPROX. PROPERTY LINE (TYP.)

REMOVE EXISTING ASPHALT PATH AND
REPLACE WITH NEW 8' WIDE ASPHALT PATH

REMOVE EXISTING AND CONSTRUCT
NEW CONCRETE APRON WITH
TRUNCATED DOME PANELS



#5806

#5808

#5807

#5812

RUNNING DEER TRAIL

6264 Nesbitt Road
Madison, WI 53719
(608) 273-3350
www.tceengineers.net



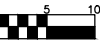
GLENWAY - RUNNING DEER
PATH REPLACEMENT

2025 STREET AND UTILITY IMPROVEMENTS
Larson St, Glen Rd, Lakeview Ave, Dale St,
Severson St, Badger St, Yahara Dr, McFarland Ct
Village of McFarland, Wisconsin

PROJECT NO.:
MC 230
DRAWING FILE:
MC 230 COVER.DWG
DRAWN BY:
P.C.R.
CHECKED BY:
T.J.S.

DATE:
3-5-25
REVISIONS:

SCALE:



SHEET:

12

March 20, 2025

Village of McFarland
5915 Milwaukee Street, P.O. Box 110
McFarland, WI 53558

Attention: Mr. Matthew Schuenke, Interim Village Administrator

Subject: Analysis of Bids and Recommendation for Award of Contracts; 2025
Street and Utility Improvements; Village of McFarland

Bid Deadline: March 13, 2025 at 9:30 a.m. local time local time

Ladies and Gentlemen:

The purpose of this letter is to analyze the bids received for the 2025 Street and Utility Improvements project and to recommend award of a contract. This project involves street and utility improvements within various areas of the Village, including pavement replacement, water main replacement, storm sewer lining and path crossing improvements, alternate bids for abandoning existing water main, Lake Edge Drive and Bremer Road storm sewer lining and televising, and extending completion to October 15, 2025, and supplemental items for property corner replacement, excavation and disposal of bad subbase below subgrade, Breaker Run, removal and disposal of unsuitable trench backfill, driveway section curb & gutter, and pavement patching.

The pre-bid estimate for the base bid was \$2,041,289.40. Fourteen general contractors, subcontractors, and material suppliers requested sets of the plans, specifications and bidding documents. Two contractors submitted bids.

A summary of the bids is as follows:

Contractor	Parisi Construction, LLC	Speedway Sand & Gravel, Inc.
Base Bid	\$2,269,188.85	\$2,764,877.87
Alternate Bid A1	\$70,000.00	\$43,640.00
Alternate Bid A2	\$175,000.00	\$37,500.00
Alternate Bid A3	\$50,000.00	\$17,000.00
Alternate Bid A4	\$-	\$(15,000.00)
Supplemental Bids	\$282,225.00	\$220,306.00

All of the bids were properly submitted.

The low bidder, using the base bid only, the base bid and alternate bids, or the base bid, alternate bid and supplemental bid is Parisi Construction, LLC of Verona, Wisconsin, an experienced utility and street contract that has completed many similar projects in Dane County and has completed much of the street and utility work in the Rosewood Fields

development. The bid prices are slightly higher than the pre-bid estimate due to elevated pricing for water lateral reconnections. We recommend that Parisi Construction, LLC be awarded a contract for the base bid, plus supplemental bids, for a total of \$2,551,413.85.

Alternate bid items were provided for enhanced water main abandonment, storm sewer lining, and contract timeline extension. The pricing received for these was not favorable and, after discussion with Village Staff, they are not recommended for award. The base bid pricing includes standard water main abandonment. The Village intends to solicit bids for storm sewer lining under a separate contract.

This will be a unit price contract. That is, the contractor will be paid for the work actually performed on the basis on the unit prices bid. This means that the final line item costs could be either greater than or less than the bid totals. Also, unexpected conditions are sometimes encountered which result in increased project costs. Therefore, it would be wise to continue to carry the recommended 7.5% contingency.

If you have any questions with respect to our thoughts on this matter, I am available at your convenience to discuss them with you.

Respectfully,
TOWN & COUNTRY ENGINEERING, INC.

A handwritten signature in black ink, appearing to read 'Tim Stieve', is positioned below the typed name.

Tim Stieve, P.E.
Project Engineer

TS:sai

J:\JOB#S\McFarland\MC-230-M4 2025 Street and Utility Improvements\10. Construction\Bidding\Recommendation Ltr.docx

BID TABULATION

PAGE 1 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
BASE BID									
Utility Work									
1.	Sanitary Manhole Castings	20	each	\$ 500.00	\$ 10,000.00	\$ 1,900.00	\$ 38,000.00	\$ 851.00	\$ 17,020.00
2.	10" Ductile Iron CL52 Water Main or Hydrant Lead	18	lin. ft.	\$ 140.00	\$ 2,520.00	\$ 150.00	\$ 2,700.00	\$ 327.80	\$ 5,900.40
3.	8" Ductile Iron CL52 Water Main or Hydrant Lead	4,330	lin. ft.	\$ 135.00	\$ 584,550.00	\$ 130.00	\$ 562,900.00	\$ 286.90	\$ 1,242,277.00
4.	6" Ductile Iron CL52 Water Main or Hydrant Lead	199	lin. ft.	\$ 120.00	\$ 23,880.00	\$ 180.00	\$ 35,820.00	\$ 268.90	\$ 53,511.10
5.	10" Gate Valve & Box	1	each	\$ 5,000.00	\$ 5,000.00	\$ 6,100.00	\$ 6,100.00	\$ 5,042.25	\$ 5,042.25
6.	8" Gate Valve & Box	30	each	\$ 4,000.00	\$ 120,000.00	\$ 4,800.00	\$ 144,000.00	\$ 3,811.75	\$ 114,352.50
7.	6" Gate Valve & Box	11	each	\$ 3,500.00	\$ 38,500.00	\$ 4,000.00	\$ 44,000.00	\$ 2,909.00	\$ 31,999.00
8.	Hydrants	9	each	\$ 7,500.00	\$ 67,500.00	\$ 8,000.00	\$ 72,000.00	\$ 6,759.00	\$ 60,831.00
9.	1" Corporation Stops	81	each	\$ 1,000.00	\$ 81,000.00	\$ 140.00	\$ 11,340.00	\$ 1,057.00	\$ 85,617.00
10.	1" Curb Stops	81	each	\$ 1,000.00	\$ 81,000.00	\$ 590.00	\$ 47,790.00	\$ 1,242.00	\$ 100,602.00
11.	1" Copper Water Service Laterals	1,855	lin. ft.	\$ 45.00	\$ 83,475.00	\$ 16.50	\$ 30,607.50	\$ 30.14	\$ 55,909.70
12.	Directionally Drilled 1" Copper Water Service Laterals	314	lin. ft.	\$ 100.00	\$ 31,400.00	\$ 91.00	\$ 28,574.00	\$ 41.25	\$ 12,952.50
13.	Water Service Lateral Reconnections	81	each	\$ 500.00	\$ 40,500.00	\$ 3,000.00	\$ 243,000.00	\$ 984.50	\$ 79,744.50
14.	Existing Main Reconnections	16	each	\$ 3,000.00	\$ 48,000.00	\$ 3,500.00	\$ 56,000.00	\$ 3,428.00	\$ 54,848.00
15.	4" PVC Storm Sewer Lateral	110	lin. ft.	\$ 75.00	\$ 8,250.00	\$ 69.00	\$ 7,590.00	\$ 59.55	\$ 6,550.50
Street Work									
16.	Excavation/Fill to Plan Subgrade	1	lump sum	\$ 50,000.00	\$ 50,000.00	\$ 150,000.00	\$ 150,000.00	\$ 20,000.00	\$ 20,000.00
17.	Pulverizing and Grading of Existing Asphalt Surface	16,136	sq. yd.	\$ 3.50	\$ 56,476.00	\$ 5.30	\$ 85,520.80	\$ 10.03	\$ 161,844.08
18.	Truncated Dome Panels	96	sq. ft.	\$ 45.00	\$ 4,320.00	\$ 56.00	\$ 5,376.00	\$ 49.00	\$ 4,704.00
19.	Remove and Replace 6" Thick Concrete Sidewalk and Driveways	4,115	sq. ft.	\$ 15.00	\$ 61,725.00	\$ 15.00	\$ 61,725.00	\$ 13.25	\$ 54,523.75
20.	Remove and Replace 4" Thick Concrete Sidewalk	78	sq. ft.	\$ 13.00	\$ 1,014.00	\$ 40.00	\$ 3,120.00	\$ 12.20	\$ 951.60
21.	New 30" Concrete Curb & Gutter	227	lin. ft.	\$ 35.00	\$ 7,945.00	\$ 28.75	\$ 6,526.25	\$ 32.05	\$ 7,275.35
22.	Remove and Replace 30" Concrete Curb & Gutter, <50' lengths	3,061	lin. ft.	\$ 55.00	\$ 168,355.00	\$ 51.00	\$ 156,111.00	\$ 36.75	\$ 112,491.75
23.	Remove and Replace 30" Concrete Curb & Gutter, >50' lengths	2,673	lin. ft.	\$ 45.00	\$ 120,285.00	\$ 34.25	\$ 91,550.25	\$ 34.65	\$ 92,619.45
24.	Remove and Replace 18" Concrete Curb & Gutter, <50' lengths	32	lin. ft.	\$ 45.00	\$ 1,440.00	\$ 73.00	\$ 2,336.00	\$ 33.40	\$ 1,068.80
25.	Remove and Replace 48" Wide Valley Gutter	153	lin. ft.	\$ 65.00	\$ 9,945.00	\$ 71.00	\$ 10,863.00	\$ 46.35	\$ 7,091.55

BID TABULATION

PAGE 2 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID		PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
		QUANT.	UNITS	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
26.	1.5" Hot-Mix Asphalt Surface Course, Type 5 LT	1,531	ton	\$ 80.00	\$ 122,480.00	\$ 81.00	\$ 124,011.00	\$ 76.33	\$ 116,861.23
27.	1.75" Hot-Mix Asphalt Lower Course, Type 4 LT	1,786	ton	\$ 78.00	\$ 139,308.00	\$ 78.00	\$ 139,308.00	\$ 73.87	\$ 131,931.82
28.	2" Hot-Mix Asphalt Paving and Driveways	118	sq. yd.	\$ 25.00	\$ 2,950.00	\$ 18.25	\$ 2,153.50	\$ 24.00	\$ 2,832.00
29.	0.75" Crushed Aggregate Base Course	107	ton	\$ 20.00	\$ 2,140.00	\$ 18.50	\$ 1,979.50	\$ 21.60	\$ 2,311.20
30.	3" Breaker Run	213	ton	\$ 20.00	\$ 4,260.00	\$ 16.75	\$ 3,567.75	\$ 21.60	\$ 4,600.80
31.	Clean & Tack	10,648	sq. yds.	\$ 0.30	\$ 3,194.40	\$ 0.35	\$ 3,726.80	\$ 0.18	\$ 1,916.64
32.	Permanent Signage	1	lump sum	\$ 10,000.00	\$ 10,000.00	\$ 12,800.00	\$ 12,800.00	\$ 2,500.00	\$ 2,500.00
33.	Permanent Pavement Markings	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 3,700.00	\$ 3,700.00	\$ 3,475.00	\$ 3,475.00
34.	Sawcutting Existing Concrete and Asphalt Pavements	995	lin. ft.	\$ 3.00	\$ 2,985.00	\$ 3.50	\$ 3,482.50	\$ 2.30	\$ 2,288.50
35.	Topsoil Restoration, Hydro-Seeding, Fertilizing & Mulching	3,046	sq. yds.	\$ 5.50	\$ 16,753.00	\$ 10.00	\$ 30,460.00	\$ 13.65	\$ 41,577.90
36.	Concrete Bollard	2	each	\$ 3,000.00	\$ 6,000.00	\$ 870.00	\$ 1,740.00	\$ 800.00	\$ 1,600.00
37.	Erosion Control	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 5,000.00	\$ 5,000.00	\$ 17,625.00	\$ 17,625.00
38.	Traffic Control	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 4,700.00	\$ 4,700.00	\$ 19,400.00	\$ 19,400.00
39.	Curb Inlet Casting Adjustments	15	each	\$ 1,000.00	\$ 15,000.00	\$ 680.00	\$ 10,200.00	\$ 520.00	\$ 7,800.00
40.	3" Hot-Mix Asphalt Surface Course, Type 5LT, 8' Wide Asphalt Path	190	tons	\$ 100.00	\$ 19,000.00	\$ 99.00	\$ 18,810.00	\$ 97.00	\$ 18,430.00
	BASE BID TOTAL				\$ 2,096,150.40		\$ 2,269,188.85		\$ 2,764,877.87
	ALTERNATIVE BID ITEMS								
A1	Abandon Existing Water Main	1	lump sum	\$ 50,000.00	\$ 50,000.00	\$ 70,000.00	\$ 70,000.00	\$ 43,640.00	\$ 43,640.00
A2	Lake Edge Drive Storm Sewer Lining and Televising	1	lump sum	\$ 30,000.00	\$ 30,000.00	\$ 175,000.00	\$ 175,000.00	\$ 37,500.00	\$ 37,500.00
A3	Bremer Road Storm Sewer Lining and Televising	1	lump sum	\$ 15,000.00	\$ 15,000.00	\$ 50,000.00	\$ 50,000.00	\$ 17,000.00	\$ 17,000.00
A4	Add/Deduct to Extend Substantial Completion Date to October 15, 2025	1	lump sum	\$ -	\$ -	\$ -	\$ -	\$ (15,000.00)	\$ (15,000.00)

BID TABULATION

PAGE 3 OF 3

Project: 2025 Street and Utility Improvements; Village of McFarland
 Engineer's Project Number: MC 230 Bid Deadline: March 13, 2025 at 9:30 a.m. local time

ITEM NO.	DESCRIPTION OF WORK	BID QUANT.	UNITS	PRE-BID ESTIMATE		Parisi Construction, LLC		Speedway Sand & Gravel, Inc.	
				UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT	UNIT PRICE	AMOUNT
SUPPLEMENTAL BID ITEMS									
S1	Property Corner Replacement	1	each	\$ 500.00	\$ 500.00	\$ 180.00	\$ 180.00	\$ 1,200.00	\$ 1,200.00
S2	Excavation and Disposal of Bad Subbase Below Subgrade	3,337	cu. yds.	\$ 22.00	\$ 73,414.00	\$ 40.00	\$ 133,480.00	\$ 26.00	\$ 86,762.00
S3	3" Breaker Run Replacement of Excavation of Bad Subbase Below Subgrade	6,690	tons	\$ 20.00	\$ 133,800.00	\$ 16.00	\$ 107,040.00	\$ 14.85	\$ 99,346.50
S4	Removal and Disposal of Unsuitable Trench Backfill	500	cu. yds.	\$ 25.00	\$ 12,500.00	\$ 50.00	\$ 25,000.00	\$ 25.00	\$ 12,500.00
S5	Type X Driveway Section Curb & Gutter	50	lin. ft.	\$ 20.00	\$ 1,000.00	\$ 43.50	\$ 2,175.00	\$ 5.00	\$ 250.00
S6	3" Pavement Patching	350	sq. yds.	\$ 30.00	\$ 10,500.00	\$ 41.00	\$ 14,350.00	\$ 57.85	\$ 20,247.50
	SUPPLEMENTAL BID TOTAL				\$ 231,714.00		\$ 282,225.00		\$ 220,306.00

McFarland
SUMMARY SHEET

MEETING DATE: Monday, March 24, 2025

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Lee Igl, Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding the MS4 Annual Report for 2024

PREVIOUS ACTION:

None.

ISSUE SUMMARY:

Enclosed is the 2024 draft annual report for our Municipal Separate Storm Sewer System, otherwise known as an MS4 permit. As part of the report, our Adaptive Management to Achieve TMDL (Total maximum daily load) Compliance and the village's stormwater system map are included. This report is a DNR mandate that we have been submitting for several years. The permit governs storm water management practices in the Village and allows our discharge to area waterways. The Village remains compliant with these measures. The report is prepared by the village engineer, village staff, and the staff of MAMSWaP and is presented for approval.

Staff are seeking the committee's recommendation for approval to the Village Board. After approval by the Village Board, the report will be electronically submitted to the DNR. The report is required to be completed and submitted by March 31, 2025.

FINANCIAL/BUDGET IMPACT:

None.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended motion:

Motion, second to recommend approval to the Village Board regarding the 2024 MS4 Annual report as presented.

ATTACHMENTS:

1. MS4840-2024_McFarland_Village_Annual_FINAL
2. AdaptiveManagementPlanSummary



3. McFarland MS4 Program Plan 03.12.25

Submittal of Annual Reports and Other Compliance Documents for Municipal Separate Storm Sewer System (MS4) Permits

NOTE: Missing or incomplete fields are highlighted at the bottom of each page. You may save, close and return to your draft permit as often as necessary to complete your application. After 120 days your draft is **deleted**.

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Form 3400-224(R8/2021)

Reporting Information :

Will you be completing the Annual Report or other submittal type? ☒ Annual Report ☐ Other

Project Name: 2024 Annual Report

County: Dane

Municipality: McFarland Village

Permit Number: S058416

Facility Number: 30905

Reporting Year: 2024

Is this submittal also satisfying an Urban Nonpoint Source Grant funded deliverable? ☐ Yes ☒ No

Required Attachments and Supplemental Information

Please complete the contents of each tab to submit your MS4 permit compliance document. The information included in this checklist is necessary for a complete submittal. A complete and detailed submittal will help us review about your MS4 permit document. To help us make a decision in the shortest amount of time possible, the following information must be submitted:

Annual Report

- Review related web site and instructions for [Municipal storm water permit eReporting](#) [Exit Form]
- Complete all required fields on the annual report form and upload required attachments
- Attach the following other supporting documents as appropriate using the attachments tab above
 - Public Education and Outreach Annual Report Summary
 - Public Involvement and Participation Annual Report Summary
 - Illicit Discharge Detection and Elimination Annual Report Summary
 - Construction Site Pollution Control Annual Report Summary
 - Post-Construction Storm Water Management Annual Report Summary
 - Pollution Prevention Annual Report Summary
 - Leaf and Yard Waste Management
 - Municipal Facility (BMP) Inspection Report
 - Municipal Property SWPPP
 - Municipally Property Inspection Report
 - Winter Road Maintenance
 - Storm Sewer Map Annual Report Attachment
 - Storm Water Quality Management Annual Report Attachment

- TMDL Attachment
 - Storm Water Consortium/Group Report
 - Municipal Cooperation Attachment
 - Other Annual Report Attachment
- Attach the following permit compliance documents as appropriate using the attachments tab above
- Storm Water Management Program
 - Public Education and Outreach Program
 - Public Involvement and Participation Program
 - Illicit Discharge Detection and Elimination Program
 - Construction Site Pollutant Control Program
 - Post-Construction Storm Water Management Program
 - Pollution Prevention Program
 - Municipal Storm Water Management Facility (BMP) Inventory
 - Municipal Storm Water Management Facility (BMP) Inspection and Maintenance Plan
 - Total Maximum Daily Load documents (**If applicable, see permit for due dates.*)
 - TMDL Mapping*
 - TMDL Modeling*
 - TMDL Implementation Plan*
 - Fecal Coliform Screening Parameter *
 - Fecal Coliform Inventory and Map (*S050075-03 general permittees Appendix B B.5.2 – document due to the department by March 31, 2022*)
 - Fecal Coliform Source Elimination Plan (*S050075-03 general permittees Appendix B - document due to the department by October 31, 2023*)
- Sign and Submit form

Municipal Contact Information- Complete

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 (Department) by March 31 of each year to report on activities for the previous calendar year ("reporting year"). This form is being provided by the Department for the user's convenience for reporting on activities undertaken in each reporting year of the permit term. 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.].

Note: Compliance items must be submitted using the Attachments tab.

Municipality Information

Name of Municipality McFarland Village

Facility ID # or (FIN): 30905

Updated Information: ☒ Check to update mailing address information

Mailing Address: 5915 Milwaukee St

Mailing Address 2:

City: McFarland Village

State: WI

Zip Code: 53558-0110 xxxxx or xxxxx-xxxx

Primary Municipal Contact Person (Authorized Representative for MS4 Permit)

The "Authorized Representative" or "Authorized Municipal Contact" includes the municipal official that was charged with compliance and oversight of the permit conditions, and has signature authority for submitting permit documents to the Department (i.e., Mayor, Municipal Administrator, Director of Public Works, City Engineer).

☐ Select to **create new** primary contact

First Name: Lee

Last Name: Igl

☒ Select to **update** current contact information

Title: Dir. of Public Works

Mailing Address: 5115 Terminal Dr

Mailing Address 2:

City: McFarland

State: WI

Zip Code: 53558-0110 xxxxx or xxxxx-xxxx

Phone Number: 608-838-7287 Ext: xxx-xxx-xxxx

Email: lee.igl@mcfarland.wi.gov

Additional Contacts Information (Optional)

☐ I&E Program

Individual with responsibility for:
(Check all that apply)

- ☐ IDDE Program
- ☐ IDDE Response Procedure Manual
- ☐ Municipal-wide Water Quality Plan
- ☐ Ordinances
- ☐ Pollution Prevention Program
- ☐ Post-Construction Program
- ☐ Winter roadway maintenance

First Name:

Last Name:

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code:

XXXXX or XXXXX-XXXX

Phone Number:

Ext:

XXX-XXX-XXXX

Email:

Municipal Billing Contact Person (Authorized Representative for MS4 Permit)

☒ Select to **create new** Billing contact

First Name:

Last Name:

☒ Select to **update** current contact information

Title:

Mailing Address:

Mailing Address 2:

City:

State:

Zip Code:

XXXXX or XXXXX-XXXX

Phone Number:

Ext:

XXX-XXX-XXXX

Email:

1. Does the municipality rely on another entity to satisfy some of the permit requirements?

☐ Yes ☒ No

2. Has there been any changes to the municipality's participation in group efforts towards permit compliances (i.e., the municipality has added or dropped consortium membership)?

☐ Yes ☒ No

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7.

Form 3400-224 (R8/2021)

Minimum Control Measures- Section 1 : Complete

1. Public Education and Outreach

- a. Does MS4 conduct any educational efforts or events independently (not with a group) ☒ Yes ☐ No
- b. How many total educational events were held during the reporting year:
- c. Were any of the public education and outreach delivery mechanisms conducted during the reporting year active or interactive? ☒ Yes ☐ No
- d. Please select all storm water topics, target audiences, and delivery mechanisms used in the reporting year

Public Education and Outreach Delivery Mechanisms (Active and Passive)	
Active/Interactive Mechanisms	Passive Mechanisms
☒ Education activities (school presentations, summer camps) ☐ Information booth at event ☒ Targeted group training (contractors, consultants, etc.) ☒ Government event (public hearing, council meeting) ☒ Workshops ☐ Tours ☐ Other:	☒ Passive print media (brochures at front desk, posters, etc.) ☒ Distribution of print media (mailings, newsletters, etc.) via mail or email. ☐ Media offerings (radio and TV ads, press release, etc.) ☐ Social media posts ☒ Signage ☐ Website ☐ Other:

Topics Covered	Target Audience
☒ Illicit discharge detection and elimination ☒ Household hazardous waste disposal/pet waste management/vehicle washing ☒ Yard waste management/pesticide and fertilizer application ☒ Stream and shoreline management ☒ Residential infiltration ☒ Construction sites and post-construction storm water management ☒ Pollution prevention ☒ Green infrastructure/low impact development ☐ Other:	☒ General Public ☒ Public Employees ☒ Residents ☒ Businesses ☒ Contractors ☒ Developers ☒ Industries ☒ Public Officials ☐ Other:

- e. Will additional information/summary of these education events be attached to the annual report?
☐ Yes ☐ No

If no, please provide additional comment in the brief explanation box below. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

The Village utilizes its' resources to promote MAMSWaP group efforts.

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 2 : Complete

2. Public Involvement and Participation

a. Permit Activities. Select all of the following topics the Permittee did to engage public participation and involvement.

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
☒ MS4 Annual Report ☒ Storm Water Management Program ☐ Storm Water related ordinance ☐ Other: 	☒ General Public ☐ Public Employees ☐ Residents ☐ Businesses ☐ Contractors ☐ Developers ☐ Industries ☐ Public Officials ☐ Other	<u>101 +</u>	☒ Yes ☐ No

b. Volunteer Activities. Select all of the following audiences targeted for volunteer involvement and participation related to storm water.

☐ NA (Individual Permittee)

Topics Covered	Target Audience	Estimated People Reached (Optional)	Regional Effort (Optional)
Volunteer Opportunity	☒ General Public ☒ Public Employees ☒ Residents ☒ Businesses ☒ Contractors ☒ Developers ☒ Industries ☒ Public Officials ☐ Other	<u>101 +</u>	☒ Yes ☐ No

c. Brief explanation on Public Involvement and Participation reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page.*

The Village utilizes its' resources to promote MAMSWaP group efforts.

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 3 : Complete

3. Illicit Discharge Detection and Elimination

- | | | |
|----|--|---------------------------------|
| a. | How many total outfalls does the municipality have? | <input type="text" value="19"/> |
| b. | How many major outfalls does the municipality have? | <input type="text" value="19"/> |
| c. | How many outfalls did the municipality evaluate as part of their routine ongoing field screening program? | <input type="text" value="0"/> |
| d. | From the municipality's routine screening, how many were confirmed illicit discharges? | <input type="text" value="0"/> |
| e. | How many illicit discharge complaints did the municipality receive? | <input type="text" value="0"/> |
| f. | From the complaints received, how many were confirmed illicit discharges? | <input type="text" value="0"/> |
| g. | How many of the identified illicit discharges did the municipality eliminate in the reporting year (from both routine screening and complaints)? | <input type="text" value="0"/> |

(If the sum of 3.c. and 3.e. does not equal 3.f., please explain below.)

- h. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each were used in the reporting year.

- | | |
|---|--------------------------------|
| ☒ Verbal Warning | <input type="text" value="0"/> |
| ☒ Written Warning (including email) | <input type="text" value="0"/> |
| ☒ Notice of Violation | <input type="text" value="0"/> |
| ☒ Civil Penalty/ Citation | <input type="text" value="0"/> |

Additional Information:

- i. Brief explanation on Illicit Discharge Detection and Elimination reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 4 : Complete

4. Construction Site Pollutant Control

- a. How many total construction sites with one acre or more of land disturbing construction activity were active at any point in the reporting year?
- b. How many construction sites with one acre or more of land disturbing construction activity did the municipality issue permits for in the reporting year?
- c. How many erosion control inspections did the municipality complete in the reporting year (at sites with one acre or more of land disturbing construction activity)?
- d. What types of regulatory mechanisms does the municipality have available to compel compliance with this program? Check all that are available and how many times each were used in the reporting year.
- | | |
|---|--------------------------------|
| ☒ Verbal Warning | <input type="text" value="0"/> |
| ☒ Written Warning (including email) | <input type="text" value="0"/> |
| ☒ Notice of Violation | <input type="text" value="0"/> |
| ☒ Civil Penalty/ Citation | <input type="text" value="0"/> |
| ☒ Stop Work Order | <input type="text" value="0"/> |
| ☒ Forfeiture of Deposit | <input type="text" value="0"/> |
| ☐ Other - Describe below | <input type="text"/> |
- e. Brief explanation on Construction Site Pollutant Control reporting . *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*
-

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 5 : Complete

5. Post-Construction Storm Water Management

- a. How many new structural storm water management Best Management Practice (BMP) have received local approval ?
*Engineered and constructed systems that are designed to provide storm water quality control such as wet detention ponds, constructed wetlands, infiltration basins, grassed swales, permeable pavement,
- b. Does the MS4 have procedures for inspecting and maintaining private storm water facilities? ☒ Yes ☐ No
- c. If Yes, how many privately owned storm water management facilities were

inspected in the reporting year ? Inspections completed by private landowners should be included in the reported number.

0

- d. Does the municipality utilize privately owned storm water management BMP in its pollutant reduction analysis? ☐ Yes ☒ No
- e. Does MS4 have maintenance authority on these privately owned BMPs?
☐ Yes ☐ No
- f. What types of enforcement actions does the municipality have available to compel compliance with the regulatory mechanism? Check all that apply and enter the number of each used in the reporting year.
- | | |
|---|---|
| ☒ Verbal Warning | 0 |
| ☒ Written Warning (including email) | 0 |
| ☒ Notice of Violation | 0 |
| ☒ Civil Penalty/ Citation | 0 |
| ☒ Forfeiture of Deposit | 0 |
| ☒ Complete Maintenance | 0 |
| ☒ Bill Responsible Party | 0 |
| ☐ Other - Describe below | |
- g. Brief explanation on Post-Construction Storm Water Management reporting . *If marked 'Unsure' on any questions above, justify your reasoning. Limit your response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 6 : Complete

6. Pollution Prevention

Storm Water Management Best Management Practice Inspections ☐ Not Applicable

- a. Enter the total number of "municipally owned" (i.e., publicly owned BMPs) or operated (i. e., privately o wned BMPs) structural storm water management best management practices.
- b. How many new municipally owned storm water management best management practices were installed in the reporting year ?

15

0

- c. How many municipally owned (public) storm water management best management practices were inspected in the reporting year? 15
- d. What elements are looked at during inspections (250 character limit)?
Outfalls, Sedimentation, vegetation, bank condition, access, ruts and rills, etc.
- e. How many of these facilities required maintenance? 12
- f. Brief explanation on Storm Water Management Best Management Practice inspection reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*
Village approved Stormwater Maintenance plan and put projects out for bid in 2024

Public Works Yards & Other Municipally Owned Properties that require a stormwater pollution prevention plan (SWPPP)* ☐ Not Applicable

- g. How many municipal properties require a SWPPP? 1
- h. How many inspections of municipal properties have been conducted in the reporting year? 1
- i. Have amendments to the SWPPPs been made?
☐ Yes ☒ No
- j. If yes, describe what changes have been made. Limit response to 250 characters and/or attach supplemental information on the attachment page:
- k. Brief explanation on Storm Water Pollution Prevention Plan reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

* Any municipally owned property that has the potential to generate stormwater pollution should have a SWPPP. For example, if a municipal property stores compost piles, material storage, yard wastes, etc., outside and can contaminate stormwater runoff—a SWPPP is required.

Collection Services - Street Sweeping Program ☐ Not Applicable

- l. Did the municipality conduct street sweeping during the reporting year?
☒ Yes ☐ No
- m. If known, how many tons of material was removed? 2396
- n. Does the municipality have a [low hazard exemption](#) for this material? ☐ Yes ☒ No
- o. If street sweeping is identified as a storm water best management practice in the pollutant loading analysis, was street cleaning completed at the assumed frequency?
☒ Yes - Explain frequency Weekly, Yes
☐ No - Explain _____
☐ Not Applicable

Collection Services - Catch Basin Sump Cleaning Program ☐ Not Applicable

- p. Did the municipality conduct catch basin sump cleaning during the reporting year? ☒ Yes ☐ No
- q. How many catch basin sumps were cleaned in the reporting year?
- r. If known, how many tons of material was collected?
- s. Does the municipality have a low hazard exemption for this material? ☐ Yes ☒ No
- t. If catch basin sump cleaning is identified as a storm water best management practice in the pollutant loading analysis, was cleaning completed at the assumed frequency?
- ☐ Yes- Explain frequency _____
- ☒ No - Explain equipment failure _____
- ☐ Not Applicable

Collection Services - *Leaf Collection Program* ☐ Not Applicable

- u. Does the municipality conduct curbside leaf collection? ☐ Yes ☒ No
- v. Does the municipality notify homeowners about pickup? ☒ Yes ☐ No
- w. Where are the residents directed to store the leaves for collection?
- ☐ Pile on terrace ☐ Pile in street ☐ Bags on terrace
- ☒ Other - Describe Residents bring material to the compost site at PW
- x. What is the frequency of collection?
N/A
- y. Is collection followed by street sweeping? ☐ Yes ☒ No
- z. Brief explanation on Collection Services reporting. *Limit response to 250 characters and/or attach supplemental information on the attachments page*

Winter Road Management ☐ Not Applicable

*Note: We are requesting information that goes beyond the reporting year, answer the best you can.

- aa. How many lane-miles of roadway is the municipality responsible for doing snow and ice control? (*One mile of a two-way road equals two lane miles.*)
- ab. Provide amount of de-icing products used by month last winter season?
Solids (tons) (ex. sand, or salt-sand)

Product	Oct	Nov	Dec	Jan	Feb	Mar
<u>Salt</u>	0	75	150	175	40	40

Liquids (gallons) (ex. brine)

	Oct	Nov	Dec	Jan	Feb	Mar
<u>Brine</u>	0	0	750	1500	0	0

- ac. Was salt applying machinery calibrated in the reporting year? ☒ Yes ☐ No
- ad. ☒ Yes ☐ No

Have municipal personnel attended salt reduction strategy training in the reporting year?

Training Date	Training Name	# Attendance
8/15/2024	Winter Maintenance 2024	4

- ae. Brief explanation on Winter Road Management reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page*

salt use strategies and reduction course for 2024

Internal (Staff) Education & Communication

- af. Has the municipality provided an opportunity for internal training or education to staff implementing the municipality's procedures for each of the pollution prevention program element ? ☒ Yes ☐ No

If yes, describe what training was provided (250 character limit):

Snow Pow Rodeo, Winter Maintenance Management

- ag. Describe how the municipality has kept the following local officials and municipal staff aware of the municipal storm water discharge permit programs, procedures and pollution prevention program requirements.

Elected Officials

Newsletter and approval of MS4 Annual Report

Municipal Officials

Newsletter and approval of MS4 Annual Report

Appropriate Staff (such as operators, Department heads, and those that interact with public)

Newsletter and approval of MS4 Annual Report

- ah. Brief explanation on Internal Education reporting. *If you marked Unsure for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Missing Information

Do not close your work until you **SAVE**.

Note: For the minimum control measures, you must fill out all questions in sections 1 through 7

Form 3400-224 (R8/2021)

Minimum Control Measures - Section 7 : Complete

7. Storm Sewer System Map

- a. Did the municipality update their storm sewer map this year?

☐ Yes ☒ No

If yes, check the areas the map items that got updated or changed:

☐ Storm water treatment facilities

- ☐ Storm pipes
- ☐ Vegetated swales
- ☐ Outfalls
- ☐ Other - Describe below

- b. Brief explanation on Storm Sewer System Map reporting. *If you marked Unsure for an question for any questions above, justify the reasoning. Limit response to 250 characters and/or attach supplemental information on the attachments page.*

Do not close your work until you SAVE.

Form 3400-224 (R8/2021)

Final Evaluation - Complete**Fiscal Analysis**

Complete the fiscal analysis table provided below. For municipalities that do not break out funding into permit program elements, please enter the monetary amount to your best estimate of what funding may be going towards these programs.

Annual Expenditure Reporting Year	Budget Reporting Year	Budget Upcoming Year	Source of Funds
---	--------------------------	----------------------------	-----------------

Element: Public Education and Outreach

57392	125797	117747	<u>Storm water utility</u>
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Element: Public Involvement and Participation

25078	54968	51450	<u>Storm water utility</u>
-------	-------	-------	----------------------------

Element: Illicit Discharge Detection and Elimination

32529	71301	66738	<u>Storm water utility</u>
-------	-------	-------	----------------------------

Element: Construction Site Pollutant Control

72367	158621	148470	<u>Storm water utility</u>
-------	--------	--------	----------------------------

Element: Post-Construction Storm Water Management

322784	707510	662235	<u>Storm water utility</u>
--------	--------	--------	----------------------------

Element: Pollution Prevention

206353	452303	423360	<u>Storm water utility</u>
--------	--------	--------	----------------------------

Other (describe)

			<u>Select...</u>
--	--	--	------------------

Please provide a justification for a "0" entered in the Fiscal Analysis. *Limit response to 250 characters.*

Water Quality

a: Were there any known water quality improvements in the receiving waters to which the

municipality's storm sewer system directly discharges to?

☐ Yes ☒ No ☐ Unsure If Yes, explain below:

b: Were there any known water quality degradation in the receiving waters to which the municipality's storm sewer system directly discharges to?

☐ Yes ☒ No ☐ Unsure If Yes, explain below:

c: Have any of the receiving waters that the municipality discharges to been added to the impaired waters list during the reporting year?

☐ Yes ☒ No ☐ Unsure

d: Has the municipality evaluated their storm water practices to reduce the pollutants of concern?

☒ Yes ☐ No ☐ Unsure

Storm Water Quality Management

a. Has the municipality completed or updated modeling in the reporting year (relating to developed urban area performance standards of s. NR 151.13(2)(b)1., Wis. Adm. Code)? ☐ Yes ☒ No

b. If yes, enter percent reduction in the annual average mass discharging from the entire MS4 to surface waters of the state as compared to implementing no storm water management controls:

Total suspended solids (TSS)

Total phosphorus (TP)

Additional Information

Based on the municipality's storm water program evaluation, describe any proposed changes to the municipality's storm water program. *If your response exceeds the 250 character limit, attach supplemental information on the attachments page.*

Do not close your work until you SAVE.

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Form 3400-224 (R8/2021)

Requests for Assistance on Understanding Permit Programs

Would the municipality like the Department to contact them about providing more information on understanding any of the Municipal Separate Storm Sewer Permit programs?

Please select all that apply:

- ☐ Public Education and Outreach
- ☐ Public Involvement and Participation
- ☐ Illicit Discharge Detection and Elimination
- ☐ Construction Site Pollutant Control
- ☐ Post-Construction Storm Water Management
- ☐ Pollution Prevention
- ☐ Storm Water Quality Management
- ☐ Storm Sewer System Map
- ☐ Water Quality Concerns
- ☐ Compliance Schedule Items Due
- ☐ MS4 Program Evaluation

Do not close your work until you **SAVE**.

Form 3400-224(R8/2021)

Required Attachments and Supplemental Information

Any other MS4 program information for inclusion in the Annual Report may be attached on here. Use the Add Additional Attachments to add multiple documents.

Upload Required Attachments (15 MB per file limit) - [Help reduce file size and trouble shoot file uploads](#)

***Required Item**

Note: To replace an existing file, use the 'Click here to attach file ' link or press the to delete an item.

Attach - Other Supporting Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Attach - Permit Compliance Documents

(To remove items, use your cursor to hover over the attachment section. When the drop down arrow appears, select remove item)

Missing Information

Draft and Share PDF Report with the permittee's governing body or delegated representatives.

Press the button below to create a PDF. The PDF will be sent to the email address associated with the WAMS ID that is signed in. After the annual report has been reviewed by the governing body or delegated representative, return to the MS4 eReporting System to submit the final report to the DNR.

[Draft and Share PDF Report](#)

Form 3400-224(R8/2021)

Complete and Submit Your Application

You have not completed all areas of the application. Please return to the application and complete all missing items.

Contact Information: [Complete](#)

Minimum Control Measures Section 1: [Complete](#)

Minimum Control Measures Section 2: [Complete](#)

Minimum Control Measures Section 3: [Complete](#)

Minimum Control Measures Section 4: [Complete](#)

Minimum Control Measures Section 5: [Complete](#)

Minimum Control Measures Section 6: [Complete](#)

Minimum Control Measures Section 7: [Complete](#)

Attachments: [Has Missing Items](#)

Final Evaluation: [Complete](#)

Summary of Adaptive Management Participation to Achieve TMDL Compliance

Village of McFarland 2024 Annual Report

This summary documents the Village's progress to date towards meeting the water quality goals required by the Rock River TMDL, and the Village's plan to meet those goals through participation in the Yahara WINS Adaptive Management program. The Village's MS4 permit requires that the following information be included in the annual report:

1. Most recent estimated pollutant of concern percent reduction levels (i.e. total phosphorus (TP) and total suspended solids/sediment(TSS)), as compared to no controls by reachshed, within the permittee's MS4 permitted area.
2. Pollutant of concern percent reduction levels, as compared to no controls by reachshed, which the permittee intends to ultimately achieve within its own MS4 permitted area (not associated with Adaptive Management buy-in).
3. The financial dollar value contributed to an Adaptive Management program for the reporting year.
4. Identify any additional storm water measures that were initially implemented in the reporting year, which reduce the discharge of pollutants of concern from its MS4 permitted area (not associated with Adaptive Managment buy-in). If available, identify the incremental percent reduction gained by such measures relative to the MS4 permitted area.

1. Estimated Pollutant Reduction Levels

The Village's WinSLAMM model is used for estimating the pollutant loading and reduction. The most recent update of the Village's WinSLAMM model was performed in 2016 for the purposes of participation in the adaptive management program. The Village currently achieves a 47% reduction in TSS and a 35% reduction of TP. This meets the permit requirements of 40%/27% TSS and TP reductions respectively. A more detailed summary table of these reductions by watershed is attached in Appendix A.

2. Pollutant Reduction Level Goals

Additional pollutant level reduction goals are set by the Rock River Basin TMDL (Rock River Recovery). Within this TMDL, the Village's MS4 is in the Yahara River and Lake Kegonsa Watershed (LR06) and discharges to Reach 66 (Yahara River, Lake Waubesa, Lake Kegonsa). The Rock River TMDL sets the ultimate reduction level goals of 62%/54% TSS and TP reductions respectively.

The Village intends to continue to make improvements in TSS and TP reduction levels through a combination of efforts, including but not limited to the following:

- Maintenance of existing stormwater system and controls.
- Post-construction stormwater standards set by municipal ordinance for both TSS reduction and volume control for redevelopment sites that exceed the WDNR-set uniform state standards for redevelopment post-construction stormwater management.
- Continued improvement of the Village's leaf management program.
- Continued improvement to the Village's sweeping program where practicable.

3. Adaptive Management Financial Contribution

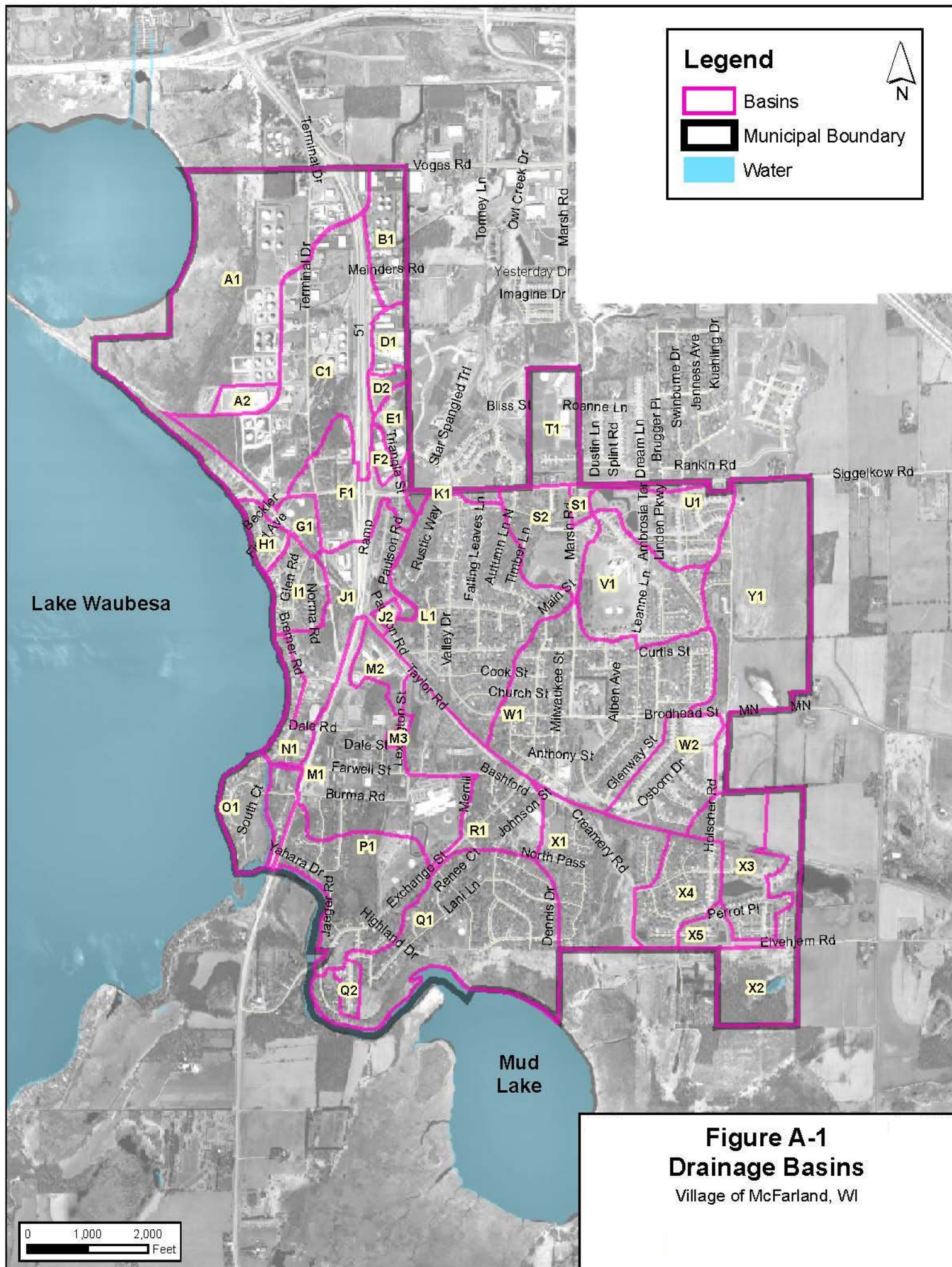
An invoice record of the Village's annual payment to the adaptive management program is attached in Appendix B.

4. New Storm Water Measures

No new municipally-owned storm water measures were installed in the reporting year which would be relevant to the Village's stormwater modeling.

APPENDIX A

Summary of Modeling Results														
Watershed Characteristics			Total Suspended Solids (TSS)			Total Phosphorous			Stormwater BMPs employed*					
Drainage Area (label)	Area (acres)	Primary Land Use	Discharge No Controls (pounds)	Discharge with Controls (pounds)	TSS Control (%)	Discharge no controls (pounds)	Discharge with controls (pounds)	P control (%)	Source Area Control Practice 1	Drainage Area Control Practice 1	Drainage Area Control Practice 2	Drainage Area Control Practice 3	Drainage Area Control Practice 4	Description of BMPs
A1	62.5	MI	31515.6	21345	32%	58	46.82	20%	SC	CB	OD-Pond (80% efficient)			Wetpond at 84 Lumber
A2	10.3	LI	6557	2351	64%	58.76	30.87	47%		GS	OD - Pond (55%)			High Track Pond
B1	26.9	MI, R	16044.6	12073.4	25%	29.3	23.18	21%	SC	CB	OD - Pond (40%)			Voges Road Pond
C1	74.4	MI	36760	28330	23%	70.86	56.72	20%		GS	OD - Pond (40%)			84 Lumber Pond
D1	13.8	LI	8023	1933.4	76%	14.786	6.898	53%	SC	CB	GS	OD - Pond (69%)		Commerce Park Pond 4
D2	6.1	LI	2889	657	77%	5.622	2.678	52%	SC	CB	GS	OD - Pond (70%)		Commerce Park Pond 3
E1	12.8	LI	7098.6	1199.72	83%	13.242	5.772	56%	SC	CB	OD - Pond (80%)			Commerce Park Pond 2
F1	34.5	R	11315.8	7860.2	31%	34.26	28.32	17%	SC	CB	OD - Pond (80%)			Storage Shop USA Pond
F2	5.4	LI	3175.4	547.2	83%	6.016	2.684	55%	SC	CB	OD - Pond (80%)			Commerce Park Pond 1
G1	12.7	R	2143.8	1792.8	16%	8.946	8.018	10%	SC	CB				
H1	10.9	R	3683.2	3047.4	17%	13.206	11.616	12%	SC	CB				
I1	25.9	R	7102.8	5731.2	19%	27.1	23.62	13%	SC	CB				
J1	52.2	R	17146	14524	15%	52.02	46.56	10%	SC	CB				
J2	2.9	C	1734.2	1399.4	19%	3.694	3.132	15%	SC	CB				
K1	8.5	R	2588.4	2180.6	16%	8.102	7.284	10%	SC	CB				
L1	158.4	R	37190.6	14049.4	62%	149.82	85.88	43%	SC	CB	OD - Pond (80%)			Valley Drive Pond at Church St.
M1	101.4	R, C	40478.6	20152.2	50%	111.48	68.78	38%	SC	CB	OD - Pond (40%)	OD - Pond (80%)	OD - Pond (37%)	Kwik Trip Pond, Bisbee Dale St Pond, Sediment Lagoon
M2	15.4	C	7119.6	2755.2	61%	17.496	8.868	49%	SC	CB	OD-Pond (53%)	OD-Pond (67%)		Woodland Commons Ponds 1a & 1b
M3	3.0	R	1113.2	914	18%	3.204	2.806	12%	SC	CB				
N1	24.1	R, C	8939.2	4546	49%	26.38	16.482	38%	SC	CB	OD - Pond (80%)	OD Pond (37%)		Burma Condos Pond, Sediment Lagoon
O1	13.3	R	3933.8	3238.6	18%	14.858	13.06	12%	SC	CB				
P1	58.1	R	16045.6	13433.6	16%	60.12	53.6	11%	SC	CB				
Q1	104.9	R	24001.6	20168	16%	100.46	90.22	10%	SC	CB				
Q2	6.9	R	1558.4	252.8	84%	6.274	2.586	59%	SC	CB	OD-Pond (80%)			Meredith Heights Pond
R1	75.3	R	25042.6	11612.8	54%	82.08	45.82	44%		GS	OD - Pond (37%)			Sediment Lagoon
S1	9.2	R	2874	628.4	78%	10.274	4.022	61%		GS	OD-Pond (70%)			Marsh/Siggelkow Pond
S2	32.1	R	7864.2	1972	75%	32.06	15.338	52%	SC	CB	OD-Pond (70%)			Marsh/Siggelkow Pond
T1	37.3	R, O	10356	8347.8	19%	34.12	29.5	14%	SC	CB	OD-Pond (70%)			Marsh/Siggelkow Pond
U1	48.5	R	13655	2262	83%	52.42	21.78	58%	SC	CB	OD - Pond (80%)			Red Oak Addition Pond
V1	73.0	R	23325.6	3882.8	83%	84	32.84	61%	SC	CB	OD - Pond (80%)			Red Oak Addition Pond
W1	178.1	R	50499.2	18440.6	63%	184.4	101.24	45%	SC	CB + one 6'MH	OD - Pond (60%)			Osborn Pond at Osborn/Leanne
W2	52.2	R	12866.2	3656.2	72%	50.36	24.8	51%	SC	CB	OD-Pond (80%)	OD Pond (60%)		Lot 17 Fieldstone Pond, Highland Oaks Regional Pond
X1	54.9	R	13743.4	11194.8	19%	51.82	45.58	12%	SC	CB				
X2	14.5	R, O	2615.4	2120.8	19%	11.188	9.922	11%	SC	CB				
X3	53.1	R	12066	2019.4	83%	49.14	21.26	57%	SC	CB	OD - Pond (80%)			Parkview Estates 1 Pond
X4	43.5	R	9872.6	5975.4	39%	39.76	27.34	31%	SC	CB	GS - (to model Dry Pond)			Countrywood 1998 dry pond with outlet structure
X5	12.1	R	3099.8	505.4	84%	11.762	4.784	59%	SC	CB	OD - Pond (80%)			Parkview Estates 2 Pond
Y1	27.2	Internally Drained - EXCLUDE							Internally drained basin - exclude					
TOTALS	1529		486038	257101	47%	1588	1031	35%						
*Particle sizes routed between control practices														



APPENDIX B

Madison Metro Sewerage Dist.

1610 Moorland Road
Madison, WI 53713-3398

Number:	RC000004355
Page:	1
Date:	12/1/2023

Sold To:	VILLAGE OF MCFARLAND 5915 MILWAUKEE ST PO BOX 110 MCFARLAND, WI 53558
-----------------	--

Reference - P.O. No.	Customer No.	Salesperson	Ship Via	Terms Code
	AMVMCFARLAND			WINS

	Description/Comments	Amount												
	Yahara Watershed Adaptive Mgmt	14,770.00												
	<table><tr><th>Due Date</th><th>Amount Due</th><th>Disc. Date</th><th>Disc. Amount</th></tr><tr><td>2/28/2024</td><td>7,385.00</td><td></td><td>0.00</td></tr><tr><td>6/29/2024</td><td>7,385.00</td><td></td><td>0.00</td></tr></table>	Due Date	Amount Due	Disc. Date	Disc. Amount	2/28/2024	7,385.00		0.00	6/29/2024	7,385.00		0.00	
Due Date	Amount Due	Disc. Date	Disc. Amount											
2/28/2024	7,385.00		0.00											
6/29/2024	7,385.00		0.00											

Remit To:

Madison Met. Sewerage District
1610 Moorland Road
Madison, WI 53713
USA

Total amount	14,770.00
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1% Interest per month after 30 days

Invoice

Village of McFarland MS4 Program Plan

Published: February 2025

1.0 INTRODUCTION

As an operator of a municipal separate storm sewer system (MS4), the Village is required to meet certain regulatory requirements with the aim of preventing polluted storm water runoff from entering local streams, rivers, and lakes. An MS4 is a conveyance or system of storm drains, pipes, ditches, etc., designed to collect or convey stormwater. Requirements are listed in WPDES Permit No. WI-S058416-4 (“MS4 Permit”), dated July 1, 2019, which was issued to 17 central Dane County communities, Dane County and UW-Madison, including the Village of McFarland. The goal of the municipal stormwater discharge program is to reduce adverse impacts to water quality in our lakes and streams from urban sources of stormwater runoff.

1.1 Plan Purpose

The purpose of this plan is to meet the following requirement, listed in Section 3 of the Village’s MS4 Permit: “The co-permittee shall have a written stormwater management program that describes in detail how the co-permittee intends to comply with the permit’s requirements for each minimum control measure.”

1.2 Plan Organization

This plan has been organized to show compliance with each minimum control measure. The following sections are included in this plan:

- ▶ Section 2.0: Introduction
- ▶ Section 3.0: Public Education and Outreach
- ▶ Section 4.0: Public Involvement and Participation
- ▶ Section 5.0: Illicit Discharge Detection and Elimination
- ▶ Section 6.0: Construction Site Pollutant Control
- ▶ Section 7.0: Post Construction Stormwater Management
- ▶ Section 8.0: Pollution Prevention

2.0 PUBLIC EDUCATION AND OUTREACH

The Village of McFarland is required to maintain a public education and outreach program to increase the awareness of storm water pollution impacts on waters of the state and to encourage changes in public behavior to reduce such impacts.

The Village of McFarland is a member of the Madison Area Municipal Storm water Partnership (MAMSWaP). The group pools resources in order to work cooperatively on storm water information, education and outreach. The materials and products that result from this joint effort are expressly developed for the Parties to partially fulfill their information and education permit obligations. As discussed in **Section 3.1.2** of the MS4 Permit, the Village is required to participate in the implementation of the most recent MAMSWaP 5-Year Information and Education Plan, and assists in the development of an annual work plan for the following calendar year. This plan is attached at the end of this section.

In addition, the Village is required to have its own individual annual public education and outreach plan, which is attached to the end of this section.

The Village shall address the eight topics listed below at least once during the permit term, with a minimum of six topics being addressed each year:

1. Illicit Discharge Detection and Elimination
2. Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing
3. Yard Waste Management/Pesticide and Fertilizer Application
4. Stream and Shoreline Management
5. Residential Infiltration
6. Construction Sites and Post-Construction Storm Water Management
7. Pollution Prevention
8. Green Infrastructure/Low Impact Development

The Village should provide at least four public education delivery mechanisms each year, at least two of which would be considered an active/interactive mechanism (see **Section 3.1.5 of the MS4 Permit** for a list of active and inactive delivery mechanisms). The Village may take credit for active mechanisms organized by MAMSWaP as long as the Village uses its resources to advertise the event.

3.0 PUBLIC INVOLVEMENT AND PARTICIPATION

The purpose of the public involvement and participation program is to notify the public of activities required by this permit and to encourage input and participation from the public regarding these activities.

The Village is required to provide a minimum of one opportunity annually for the public to provide input on each of the following permit activities: annual report, storm water management program, and if applicable, adoption or amendment of storm water related ordinances. The Village provides the annual report to the Public Utilities Committee and the Village Board. The annual report is also available for the public to view upon request at the Village Offices.

The Village meets the requirements of **Section 3.2.3** by providing at least one public involvement and participation program a year, which can include events such as storm drain stenciling, waterway cleanups, and public workshops.

MADISON AREA MUNICIPAL STORMWATER PARTNERSHIP

2025 ANNUAL INFORMATION AND EDUCATION WORK PLAN

DISTRIBUTED TO PARTNERSHIP MEMBERS ON DECEMBER 18, 2024

The Madison Area Municipal Stormwater Partnership (MAMSWaP), under the auspices of a five-year Intergovernmental Agreement through 2029, 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, Cross Plains, DeForest, Maple Bluff, McFarland, Shorewood Hills, Waunakee and Windsor; the Towns of Burke, Blooming Grove, Middleton, and Westport; 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 Madison and Stoughton, Village of DeForest, Town of Burke, Dane County, Madison Metropolitan Sewerage District (MMSD), Wisconsin Department of Natural Resources (WDNR), AECOM, and the University of Wisconsin – 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-S058416-4 (effective July 1, 2019 – June 30, 2024 and continuing until permit re-issuance); and WPDES Permit Number WI-S050075-03 (effective May 1, 2019 - April 30, 2024 and continuing until permit re-issuance) for the Village of Cross Plains, 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. The permit requires that the information and education plan establish measurable goals for the topic areas listed in Table 1 below. Each co-permittee shall address all eight topics at least once during the permit term with a minimum of six topics each year.

Table 1. Public Education and Outreach Topic Areas and Descriptions

#	Topic Area	Description
3.1.4.1	Illicit Discharge Detection and Elimination	Promote detection and elimination of illicit discharges and water quality impacts associated with such discharges from municipal separate storm sewer systems.
3.1.4.2	Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing	Inform and educate the public about the proper management of materials that may cause storm water pollution from sources including automobiles, pet waste, household hazardous waste and household practices.

3.1.4.3	Yard Waste Management/Pesticide and Fertilizer Application	Promote beneficial onsite reuse of leaves and grass clippings and proper use of lawn and garden fertilizers and pesticides.
3.1.4.4	Stream and Shoreline Management	Promote the management of streambanks and shorelines by riparian landowners to minimize erosion and restore and enhance the ecological value of waterways.
3.1.4.5	Residential Infiltration	Promote infiltration of residential storm water runoff from rooftop downspouts, driveways and sidewalks.
3.1.4.6	Construction Sites and Post-Construction Storm Water Management	Inform and educate those responsible for the design, installation, and maintenance of construction site erosion control practices and storm water management facilities on how to design, install and maintain the practices.
3.1.4.7	Pollution Prevention	Identify businesses and activities that may pose a storm water contamination concern and educate those specific audiences on methods of storm water pollution prevention.
3.1.4.8	Green Infrastructure/Low Impact Development	Promote environmentally sensitive land development designs by developers and designers, including green infrastructure and low impact development.

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.ripple-effects.com. Other examples could include:

- using provided articles and outreach tools in municipal newsletters or utility bill inserts,
- promoting MAMSWaP campaigns, events and trainings,
- offering to assist with or host a MAMSWaP event or trainings, or
- joining the Information and Education Committee

Municipalities must document in their reports to DNR how they have implemented outreach campaigns and used the materials developed by the I&E Committee.

Additional Activities and Ongoing Tasks

There are some administrative tasks and ongoing programs that must be performed every year that are essential to the program and need to be accounted for in the annual work plan. The following is a partial list of those tasks:

1. Quarterly reporting to member municipalities

2. Annual reporting to DNR.
3. Billing municipalities and tracking payments.
4. Developing annual work plans.
5. Updating and maintaining the www.ripple-effects.com website.
6. Developing and distributing outreach tools and articles to municipalities, friends' groups, community groups and neighborhood association newsletters.
7. Developing and providing presentations (PowerPoint, demonstrations, etc.) focused on audience interests/concerns.
8. Maintaining and using existing list serves and distribution lists to disseminate info.
9. Providing organizations and community groups assistance and partnering with projects (presentations, displays etc. for communities).
10. Promoting stormwater education materials and curriculum.
11. Publicizing trainings for consultants, contractors, and municipal staff.
12. Partnering with organizations such as Madison Metropolitan Sewerage District, Clean Sweep and others on outreach efforts when possible.
13. Participating in the Statewide Stormwater Collaborative group to learn from other stormwater groups across the state and discover possible projects to partner on.

Acknowledgments

The Madison Area Municipal Stormwater Partnership's 2025 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 2025 Annual I&E Work Plan

Jeremy Balousek- Dane County Land and Water Resources Department
Judd Blau and Greg Hall- Village of DeForest
Christal Campbell- Dane County Land and Water Resources Department
Sue Eddy- City of Stoughton
Rick Eilertson- AECOM
Phil Gaebler and Hannah Mohelnitzky- City of Madison
Claudia Guy- Dane County Land and Water Resources Department
Jon Jackson and Marcus Mussey- UW-Madison
Kathy Lake-Madison Metropolitan Sewerage District
PJ Lentz- Town of Burke
Anne Pearce- UW Madison Arboretum

For more information, visit www.ripple-effects.com or contact Christal Campbell at 608-228-4493 or campbell.christal@danecounty.gov.

WPDES Permit (MAMSWaP) 2025 Annual Information and Education Work Plan for Village of McFarland Dane County, WI

Topic Areas Covered: See below

Active Delivery Mechanisms Used*: See below

** Per guidance from WDNR, MAMSWaP members may take credit for active mechanisms organized by MAMSWaP as long as they promote those activities.*

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
Storm Drain Mural Program	Residential Educational	a. Nov-Dec 2024 b. Dec 2024-Jan 2025 c. Feb 2025 d. Mar-Jun 2025 e. Apr-Aug 2025 f. Jun-Aug 2025 g. Jun-Aug 2025 h. Jun-Aug 2025	a. Update and post Storm Drain Mural Grant on Ripple Effects web site. b. Promote Storm Drain Mural Grants. c. Rank and select 3-4 applications for new murals and 3-4 repainted murals. d. Create tailored presentations/activities, present to groups and gather design ideas. e. Coordinate with local artist and partners on final design, approvals, and painting storm drain murals. f. Provide partner groups with articles to promote new murals locally. g. Select and coordinate 3-4 repaints of weathered murals. h. Add new storm drain murals to the Storm Drain Mural Project map.	☒ Promote program and encourage partner groups to apply. ☐ Help locate suitable sites for storm drain murals. ☐ Approve storm drain mural design.	1. Illicit Discharge Detection and Elimination 7. Pollution Prevention
Illicit Discharge Reporting Program	Residential Public Sector Private Sector	a. Jan-Mar 2025 b. Mar-May 2025	a. Work with Madison & Dane County Public Health to develop/update illicit discharge training for municipal field staff. b. Partner with MDCPH to provide Illicit Discharge Training.	☐ Host illicit discharge training.* ☒ Promote and encourage municipal field staff to attend training (streets, parks, public works, etc.). * Must have facility that can accommodate up to 75 people.	1. Illicit Discharge Detection and Elimination 7. Pollution Prevention

¹ from Table 1 of WPDES WI-S058416-04

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
Clean Sweep Collection Events	Residential	a. Jan-Apr 2025 b. Jan-Feb 2025 c. Jan-Feb 2025 d. Mar-Apr 2025	a. Partner with Dane County Waste and Renewables and participating communities to plan municipal Clean Sweep Hazardous Waste Collection Event at the Clean Sweep facility. b. Create a registration and voucher system for residents. c. Create outreach tools for participating communities. d. Coordinate Hazardous Waste Collection Events. *** Participating MAMSWaP municipalities-Stoughton, Windsor, Monona, and Town of Middleton. ***	☒ Promote Clean Sweep Hazardous Waste Collection Event using provided outreach tools (only open to residents of selected communities).	1. Illicit Discharge Detection and Elimination 2. Household Hazardous Waste Disposal 7. Pollution Prevention
Stormwater Pollution/ Prevention Education Tools	Residential Educational	a. Jan-Dec 2025 b. Jan-Dec 2025 c. Jan-Dec 2025 d. Apr-Oct 2025	a. Promote stormwater ed. tools to groups and educators. b. Use stormwater ed. tools in at least 5 presentations, in-person or virtual. c. Check out stormwater ed. tools to at least 5 educators/groups. d. Prepare and maintain rainfall simulator samples. <i>Educational tools include: Rainfall Simulator, Enviroscope, Stormwater Animation, Lawns and Water Quality video, Stormwater Pollution and Solutions video and Storm Drain Marking, etc.</i>	☒ Promote stormwater ed. tools to local partners, groups and educators. ☒ Post links to virtual resources on municipal web site. ☐ Check out the Enviroscope or Rainfall Simulator to use at local event(s) or presentation(s). ☐ Provide SWEC with a local presentation opportunity along with contact information. *** Limited to 10 SWEC-led presentations per year for all MAMSWaP partners. ***	1. Illicit Discharge Detection and Elimination 2. Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing 3. Yard Waste Management/Pesticide and Fertilizer Application 4. Stream and Shoreline Management 5. Residential Infiltration 7. Pollution Prevention
Leaf-free Streets for Clean Waters	Residential Educational Private Sector	a. Sept 2025 b. Sept-Oct 2025 c. Oct-Nov 2025 d. Oct-Nov 2025	a. Update and distribute Leaf-free Streets for Clean Waters Toolkit to municipalities and groups. b. Print leaf-free streets signs for municipalities, as requested. c. Promote actions and rain alert system through social media, flyers, newsletter articles, signs, presentations, newspaper and online advertising. d. Monitor weather and issue email/text rain alerts.	☒ Promote Leaf-free Streets program, encourage residents to remove street leaves before the rain and sign up for rain alerts using provided outreach toolkit. ☒ Make signs available to residents. ☐ Engage local groups in heavy street tree areas and reward good practices.	3. Yard Waste Management/Pesticide and Fertilizer Application

¹ from Table 1 of WPDES WI-S058416-04

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
Plant Dane Native Plant Program	Residential Educational Private Sector	a. Nov 2024-Jan 2025 b. Feb 2025 c. Feb-Mar 2025 d. Feb-Mar 2025 e. May-Jun 2025	a. Work with Agrecol to update plant list/order system. b. Update and promote Plant Dane online order site. c. Update and distribute Plant Dane Toolkit to municipalities and groups. d. Sell at least 20,000 native plants through Plant Dane. e. Distribute native plant orders/donations.	☒ Promote Plant Dane program and encourage residents and groups to plant native plants and build rain gardens using provided campaign tools. ☒ Provide staff to assist with Plant Dane pickup event in late May.	4. Stream and Shoreline Management 5. Residential Infiltration 7. Pollution Prevention 8. Green Infrastructure/Low Impact Development
Free Native Plants for School and Community Projects (FNPSCP) Program	Residential Educational Private Sector	a. Nov- Dec 2024 b. Dec 2024-Jan 2025 c. Feb-Mar 2025 d. May-Jun 2025	a. Update and post FNPSCP Grant Application. b. Promote and review FNPSCP Grants. c. Solicit and collect donations for at least 10 FNPSCPs. d. Distribute native plant donations.	☒ Promote FNPSCP program to local schools, groups, non-profits, neighborhood associations, etc. and encourage groups to apply. ☐ Assist groups with planning and installation of gardens. ☒ Promote local projects and encourage local residents and groups to donate plants through Plant Dane order system.	5. Residential Infiltration 7. Pollution Prevention 8. Green Infrastructure/Low Impact Development
Rain Garden Coaching Session / Workshop	Residential Educational General Public	a. Feb-Mar 2025 b. Feb-Mar 2025 c. Feb-Mar 2025 d. May-Jul 2025	a. Plan and host rain garden coaching session or workshop with at least 20 people. b. Promote rain garden coaching sessions. c. Coordinate registrations and create customized tools for each participant. d. Offer and process plant reimbursements for participants located in MAMSWaP communities.	☒ Promote the Rain Garden Workshop and encourage residents to sign up. ☐ Volunteer to be a trainer at the Rain Garden Workshop.	5. Residential Infiltration 7. Pollution Prevention 8. Green Infrastructure/Low Impact Development
Adopt A Storm Drain Program (AASD)	Residential Educational	a. Jan-Dec 2025 b. Jan-Dec 2025 c. Jan-Dec 2025 d. Jan-Dec 2025 e. Jan-Dec 2025 f. Jan-Dec 2025	a. Coordinate with Dane County Information Management to maintain and improve AASD website. b. Assist volunteers with web issues. c. Supply municipalities with cleaning kit materials. d. Develop outreach tools and promote program. e. Develop and distribute volunteer newsletter, the Storm Drain Scoop, 3-4x/year. f. Work with partner communities interested in joining the program.	☒ Participate in program and provide storm drain location data to Dane County. ☒ Distribute cleaning kits to local volunteers. ☒ Promote program locally using campaign tools through newsletters, local newspaper, mailings, web site, meetings, social media, etc. *** Contact SWEC, if interested. ***	1. Illicit Discharge Detection and Elimination 3. Yard Waste Management/Pesticide and Fertilizer Application 7. Pollution Prevention

¹ from Table 1 of WPDES WI-S058416-04

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
WI Stormwater Week	Residential Public Sector Educational	a. Jan-Aug 2025 b. Jun-Sept 2025 c. Jun-Sept 2025	a. Participate on statewide Stormwater Collaborative Group planning team. b. Develop outreach resources to promote Stormwater Week. c. Plan and hold at least one local outreach event during Stormwater Week (potentially, a downspout garden kit sale).	☒ Promote stormwater related messages and events using provided outreach tools during WI Stormwater Week. ☐ Host a local stormwater related event during WI Stormwater Week.	1. Illicit Discharge Detection and Elimination 2. Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing 3. Yard Waste Management/Pesticide and Fertilizer Application 5. Residential Infiltration 7. Pollution Prevention
NASECA Trainings	Construction Professionals Public Sector	a. Jan-Dec 2025 b. Jan-Dec 2025 c. Jan-Dec 2025	a. Promote NASECA Trainings. b. Provide discounts to attend trainings for MAMSWaP communities. c. Encourage municipal staff and contractors to attend NASECA events.	☒ Promote NASECA Trainings to municipal staff/consultants and encourage attendance through MAMSWaP provided discounts.	6. Construction Sites and Post-Construction Storm Water Management
WI Salt Wise Program and Salt Certification Trainings	Residential Private Sector Public Sector	a. Jan-Dec 2025 b. Jan-Mar 2025, Sept-Dec 2025 c. Sept-Dec 2025	a. Participate on WI Salt Wise Steering Committee and attend meetings. b. Collaborate with WI Salt Wise partners to promote, develop and distribute resources to reduce winter salt use. c. Partner with WI Salt Wise to hold one in-person salt related training (certification or specialized training) in Dane County with at least 20 participants.	☒ Promote Salt Wise resources and practices to businesses, residents, schools, organizations, and facility managers using WI Salt Wise campaign tools. ☐ Provide Salt Wise Coordinator with a local presentation opportunity along with contact information (school district, local company, etc). ** Limited to 2 WI Salt Wise-led presentations per year for all MAMSWaP partners. *** ☐ Send municipal staff to Salt Certification Trainings. ☒ Promote Salt Certification Trainings to municipal and private winter maintenance professionals and facilities managers. ☐ Partner with Salt Wise to host a salt related training in your community and actively participate by sharing local efforts with group to	7. Pollution Prevention

¹ from Table 1 of WPDES WI-S058416-04

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
				reduce salt use. *** Limited to one MAMSWaP partner per year. ***	
Rain Barrel Sale	Residential	a. Jan-Mar 2025 b. Jan-Mar 2025 c. Apr-Oct 2025 d. Apr-Oct 2025 e. Apr-Oct 2025	a. Update outreach tools to promote program. b. Order rain barrels and maintain supply. c. Maintain online order system to sell rain barrels. d. Collect and process reimbursement requests for residents in MAMSWaP communities. e. Partner with City of Middleton, Village of Deforest, and City of Stoughton to store and distribute barrels.	☒ Promote rain barrel sale and use of rain barrels using MAMSWaP outreach tools. ☐ Serve as a county-wide distribution site.	5. Residential Infiltration
Maintenance Resources for Stormwater Management Facility Owners	Private Sector Public Sector	a. Jan-Apr 2025 b. Feb-Jun 2025	a. Partner with Water Resource Engineering (Dane Co.) to finalize, share and promote Stormwater Maintenance Facility Flyers. b. Collect and summarize information on existing maintenance programs from MAMSWaP members (frequency, forms, letters, inspector requirements, overall process, follow-up, etc.) and share with partners.	☒ Use and link to Stormwater Maintenance Facility Flyers. ☐ Complete form requesting information on municipal stormwater maintenance programs, when available.	6. Construction Sites and Post-Construction Storm Water Management 8. Green Infrastructure/Low Impact Development
Green Infrastructure Demo Projects	General Public	a. Apr-Oct 2025 b. Apr-Aug 2025 c. Sept-Oct 2025 d. Sept-Dec 2025	a. Work with interested MAMSWaP communities/Dane County parks to install demo downspout gardens, rain gardens, or rain barrels. b. Create signage/stickers for demo projects. c. Provide plants and/or rain barrels and a sign for demo projects. d. Create an online map to showcase demo gardens.	☐ Provide SWEC with potential location(s) for a demo projects. ☒ Provide input on local signage. ☐ Install plants, rain barrels, and signage provided by SWEC. *** Contact SWEC, if interested. ***	5. Residential Infiltration 7. Pollution Prevention 8. Green Infrastructure/Low Impact Development
Nature in Session Education Programs	Educational	a. Dec 2024-Feb 2025 b. Jan-Apr 2025 c. Jan-Apr 2025	a. Create outreach tools for partners. b. Assist Lussier Family Heritage staff in developing age-appropriate programs. c. Work with Lussier staff to review and approve requests for free programs in MAMSWaP communities.	☒ Promote program to local schools and libraries. *** Limited to 3 free programs per MAMSWaP partner with a total maximum of 20 free programs for all MAMSWaP partners. Program cost is normally \$50/class. ***	1. Illicit Discharge Detection and Elimination 2. Household Hazardous Waste Disposal/Pet Waste Management/Vehicle Washing

¹ from Table 1 of WPDES WI-S058416-04

Program/ Activity	Audience	Timing	MAMSWaP Activities	Individual Municipality Activities (Check all that will be completed in 2025)	Public Education and Outreach Topic(s) Addressed ¹
					3. Yard Waste Management/Pesticide and Fertilizer Application 5. Residential Infiltration 7. Pollution Prevention
Web-based Rain Garden Modules	Residential Educational General Public	a. Jan-Aug 2025 b. Jan-Aug 2025 c. Aug-Dec 2025	a. Reach out to other stormwater collaboratives and explore options to partner to develop modules. b. Research similar tools from other organizations. c. Develop plan for 2026.	☒ Provide feedback on plan to create rain garden modules in 2026.	5. Residential Infiltration 7. Pollution Prevention 8. Green Infrastructure/Low Impact Development

¹ from Table 1 of WPDES WI-S058416-04

4.0 ILLICIT DISCHARGE DETECTION AND ELIMINATION

As discussed in **Section 3.3.1**, the Village is required to have an illicit discharge ordinance. The Village's illicit discharge ordinance can be found in Section 47-337 - Illicit Discharges. The Village's Code of Ordinance can be accessed online at the location below:
<https://www.mcfarland.wi.us/342/Ordinances>

Section 3.3.2 requires the Village to perform illicit discharge detection and elimination (IDDE) field screening. During the permit term, the Village plans to inspect all major outfalls annually and all minor outfalls at least once during the permit term. The Village has a total of 2 major outfalls and 17 minor outfalls which discharge to waters of the state. If there is any suspected illicit activity, field screening will be located downstream of the suspected activity. Given the total number of outfalls the Village is responsible for screening, it is possible for the Village to screen all outfalls at least once during the permit term and more likely multiple times during the permit term. Field screening will be conducted according to the guidelines put forth in WDNR's Illicit Discharge Detection and Elimination guidance, which is attached to this document following this section. At outfall locations that tend to be perpetually wet, screening will be conducted at a typically dry upstream location.

Section 3.3.3 requires the Village to have written procedures for responding to known or suspected illicit discharges. Some response to this requirement is detailed in Village Ordinances 47-337 to 47-340. In the event that an illicit discharge or suspected illicit discharge becomes known to the Village, the Village shall investigate the event as soon as possible. The investigation efforts will include:

- a. Attempting to locate the source of the spill or discharge
- b. Prevention of further discharge or containment of the discharge
- c. Recording details of the event including date of discovery, dates of any action taken, location, follow-up actions taken, and sources (if known)
- d. Providing notification to the WDNR immediately in accordance with NR 706, Wis. Adm. Code if a spill or release of a hazardous substance is detected that has or may discharge to waters of the state. The Department shall be notified via the 24-hour toll free spill hotline at 1-800- 943-0003.
- e. Sampling of discharge in accordance with WDNR's Illicit Discharge Detection and Elimination guidance

Section 3.3.6 requires the Village to provide the name, title and phone number of the individual(s) responsible for responding to reports of illicit discharges and spills. The Village contact is Lee Igl, Director of Public Works, 608-838-7287.



WISCONSIN DEPARTMENT OF NATURAL RESOURCES NOTICE OF FINAL GUIDANCE & CERTIFICATION

Pursuant to ch. 227, Wis. Stats., the Wisconsin Department of Natural Resources has finalized and hereby certifies the following guidance document.

DOCUMENT ID

WT-19-0027-C EGAD: 3800-2012-01

DOCUMENT TITLE

Illicit Discharge Detection and Elimination

PROGRAM/BUREAU

Storm Water Program/Watershed Management Bureau

STATUTORY AUTHORITY OR LEGAL CITATION

Section NR 216.07(3), Wisconsin Administrative Code

DATE SENT TO LEGISLATIVE REFERENCE BUREAU (FOR PUBLIC COMMENTS)

09/02/2019

DATE FINALIZED

10/07/2019

DNR CERTIFICATION

I have reviewed this guidance document or proposed guidance document and I certify that it complies with sections 227.10 and 227.11 of the Wisconsin Statutes. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is not explicitly required or explicitly permitted by a statute or a rule that has been lawfully promulgated. I further certify that the guidance document or proposed guidance document contains no standard, requirement, or threshold that is more restrictive than a standard, requirement, or threshold contained in the Wisconsin Statutes.

Signature

09/30/2019

Date



BUREAU OF WATERSHED MANAGEMENT PROGRAM GUIDANCE

Storm Water Management Program

Wisconsin Department of Natural Resources
101 S. Webster Street, P.O. Box 7921
Madison, WI 53707-7921

Illicit Discharge Detection and Elimination

March 2012

3800-2012-01

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

DATE: March 15, 2012

TO: SW Program Staff

FROM: Pam Biersach – Bureau Director
Bureau of Watershed Management 

SUBJECT: Program Guidance #3800-2012-01

Illicit Discharge Detection and Elimination

**March 2012
3800-2012-01**

This document is intended solely as guidance, and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. This guidance does not establish or affect legal rights or obligations, and is not finally determinative of any of the issues addressed. This guidance does not create any rights enforceable by any party in litigation with the State of Wisconsin or the Department of Natural Resources. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

A. Statement of Problem Being Addressed

Limited information is available to assist municipalities with the development of an effective program to determine the presence of illicit discharges from storm sewer system outfalls.

B. Background

State and federal storm water discharge regulations require permitted municipal separate storm sewer systems (MS4s) to develop, implement and enforce a program to detect and remove illicit connections and discharges to the MS4. In Wisconsin, this requirement is established in s. NR 216.07(3), Wis. Adm. Code. The program must include routine dry weather field screening at storm sewer system outfalls and procedures for locating the source of known or suspected illicit discharges. If flow is observed, a combination of sensory observations and indicator parameter sampling must be used to determine the presence of illicit discharges and assist in the tracking, location and elimination of sources.

C. Discussion

Section NR 216.07(3)(i), Wis. Adm. Code, requires that field screening is conducted at all major outfalls and any additional outfalls designated by the municipality or Department. Field screening must include the following when flow is observed:

- Narrative descriptions of color, odor, turbidity, oil sheen, surface scum, flow rate and other relevant observations.
- Sampling for pH, total chlorine, total copper, total phenol and detergents unless Department



approval has been obtained for alternative parameters such as ammonia, potassium or bacteria.

The combination of sensory and indicator parameters is intended to provide insight regarding the presence and potential sources of illicit discharges. However, ch. NR 216, Wis. Adm. Code does not identify specific discharge limits, action levels or other criteria that should be used to determine if an illicit discharge is either present or absent. In addition, ch. NR 216, Wis. Adm. Code does not address the following:

- Selection of outfalls for on-going field screening after the initial major outfall field screening has been completed.
- Frequency and timing of outfall field screening activities.
- Outfalls with baseflow consisting of groundwater and other non-illicit discharges.
- Submerged, enclosed, or otherwise inaccessible outfalls.
- Outfalls from pumped storm water systems.
- Outfalls from swale conveyance systems and storm water treatment practices.
- Proper documentation and evaluation of outfall field screening activities.

The purpose of this guidance document is to provide supplemental information that can be used by MS4 owners and operators to maximize the efficiency and effectiveness of illicit discharge detection and elimination programs.

D. Guidance

Outfall Selection

Currently, MS4 permits include a requirement that field screening is initially conducted at all major outfalls¹. However, a more targeted approach to illicit discharge detection and elimination (IDDE) is recommended. Outfalls should be prioritized based on illicit discharge potential in the contributing drainage area rather than solely on pipe or drainage area size. Outfalls selected for on-going field screening based on illicit discharge potential are considered “priority outfalls”. 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 imperviousness.

¹ “Major outfall” means a municipal separate storm sewer system outfall that meets one of the following criteria:

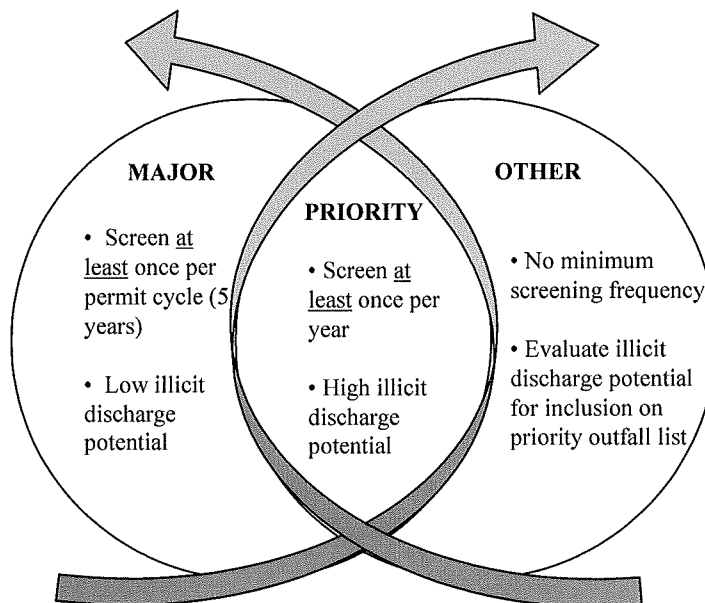
- (a) A single pipe with an inside diameter of 36 inches or more, or from an equivalent conveyance which is associated with a drainage area of more than 50 acres.
- (b) A single pipe with an inside diameter of 12 inches or more, or from an equivalent conveyance which receives storm water runoff from lands zoned for industrial activity with 2 or more acres of industrial activity.

- 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 shops, auto and scrap recyclers, commercial car washes and chemical manufactures or users.

Frequency

The recommended approach to outfall field screening frequency is depicted in Figure 1. All priority outfalls should be screened at least once per year. In some cases, it may be appropriate to conduct more than one field screening per year at a particular priority outfall depending on initial screening results or illicit discharge potential. All other major outfalls not identified as priority outfalls should be screened at least once during each MS4 permit cycle (i.e., 5 years). The priority outfall list should be reviewed and modified if necessary during an annual program evaluation.

Figure 1 - Outfall Field Screening Frequency



Timing

Outfall field screening must be conducted during dry weather periods to minimize potential interference from non-illicit sources including runoff and groundwater. In general, field screening should not be conducted within 48 hours after a precipitation event that produces runoff. However, it may be necessary to wait longer than 48 hours after precipitation events depending on contributing drainage area characteristics, the presence of extended discharges from stormwater facilities or the size of the event. Field screening during periods of high groundwater, such as the early spring, should be avoided. However, spring or fall screening may be necessary if outfall access is significantly obstructed by vegetation.

Sensory Parameters

Obvious illicit discharges can potentially be identified by color, odor or other physical characteristics such as sheen or foam. However, proper interpretation of sensory observations can be complicated by the fact that some sources are naturally occurring (e.g., iron bacteria) or non-illicit (e.g., dye testing).

Chapter 11 of the Center for Watershed Protection's guidance manual for illicit discharge detection and elimination includes photos of common physical indicators for illicit and non-illicit sources. The entire manual can be downloaded from the USEPA website at http://www.epa.gov/npdes/pubs/idde_manualwithappendices.pdf

Indicator Parameters

Indicator parameter sampling is necessary to confirm sensory observations or distinguish illicit from non-illicit discharges. The following parameters are recommended for all observed discharges: **Ammonia, Detergents, pH and Total Chlorine**. Based on MS4 or outfall specific conditions, the following additional parameters should be considered:

- **Total Copper** in areas where industrial facilities that use or manufacture copper-based products are present.
- **Phenol** in areas where industrial facilities that utilize phenol in processes or products are present.
- **Potassium** when discharges of industrial wastewater or sanitary sewage are suspected.
- **Fluoride** when discharges with a drinking water supply component are suspected.
- **E. coli or Bacteriodes** when discharges of sanitary sewage are suspected.

The recommended parameters for all observed discharges are a deviation from the parameter lists identified in ch. NR 216, Wis. Adm Code and MS4 permits. Permitted MS4s should submit modified parameter list proposals to the Department for approval prior to implementation.

Test Methods

In order to provide relatively rapid results, indicator parameters should be analyzed using field test kits. However, field test kits should be used by staff with appropriate training and experience. Laboratory analysis is necessary for some parameters (e.g., E. coli, Bacteriodes) and recommended in cases where enforcement action may be necessary to eliminate illicit discharges or connections.

Action Levels

Recommended action levels for indicator parameters are found in Table 1. Sample results above these levels suggest the presence of an illicit discharge is likely. However, illicit discharges or connections should not be automatically ruled out in cases where parameters are detected below the recommended action levels. In some instances, illicit discharges can be masked by non-illicit sources depending on the time of the year, recent precipitation events, or other conditions, especially at outfalls with large

contributing drainage areas. With this in mind, the recommended action levels should be considered as starting points for decision making. Ultimately, identifying outliers to expected or past levels may be more important when determining if further investigation should be initiated. To determine when an outlier has been detected, each MS4 should maintain a database (or equivalent record) of indicator parameter test results for individual outfalls or groups of outfalls.

TABLE 1 – Indicator Parameters Action Levels

Parameter	Action Level	Illicit Sources	Non-Illicit Sources
Ammonia	0.1 mg/l	Sanitary sewage and industrial wastewater	Pets, wildlife and potentially WPDES permitted discharges
Detergents	0.5 mg/l	Industrial cleansers, commercial wash water and sanitary sewage	Residential car washing
pH	Less than 6 or greater than 9	Industrial wastewater and concrete truck wash-out	Groundwater and WPDES permitted discharges
Total Chlorine	Detection or positive test unless associated with a WPDES permitted discharge at background water supply levels	Industrial wastewater, swimming pools and sanitary sewage	WPDES permitted discharges
Total Copper	0.1 mg/l	Copper-based product use and manufacturing	WPDES permitted discharges
Phenol	Detection or positive test	Chemical, textile, paint, resin, tire, plastic, electronics and pharmaceutical manufacturing	None
Fluoride	Detection above background groundwater or water supply levels	Commercial and industrial wastewaters with a water supply component	Groundwater and WPDES permitted discharges
Potassium	10 mg/l	Sanitary sewage and industrial wastewater	Groundwater and WPDES permitted discharges
E. coli	10,000 MPN/100 mL	Sanitary sewage	Wildlife and pets
Human Bacteriodes	Detection or positive test	Sanitary sewage	None

Additional considerations for some of the indicator parameters are as follows:

- Field test methods for **detergents** are generally considered qualitative (i.e., positive or negative) tests. Some detergent test methods produce bubbles or a gel like substance that can be misinterpreted as a positive test for detergents. In addition, specific detergent test methods, such as the MBAS method, may not be capable of detecting all classes of detergents. Another potential

issue with detergent testing is distinguishing non-illicit discharges associated with residential car washing from illicit discharges.

- **Chlorine** residuals are typically short lived in the environment. Detection of chlorine at an outfall generally indicates a source that is relatively close to the outfall. However, chlorine detected at an outfall can be from an illicit or non-illicit source if chlorinated municipal drinking water supply is a component of the discharge (see “Non-Illicit Sources”).
- Leaching of **copper** from plumbing systems can be a source of copper even in areas where copper-based product use or manufacturing does not occur.
- Municipal drinking water supply systems that add **fluoride** typically maintain levels between 1 and 1.5 mg/l.
- **E. coli** is a commonly used sanitary sewage indicator. However, dry weather flow outfall monitoring in Wisconsin and other states indicates that E. coli levels are highly variable and can be produced by naturally occurring, non-illicit sources in the environment such as raccoons in storm sewers. Elevated dry weather E. coli levels in conjunction with detection of other indicator parameters (e.g., detergents, total chlorine) may be more indicative of the presence of sanitary sewage.
- The ratio of human **Bacteriodes** to total Bacteriodes may be particularly useful in determining sanitary sewage sources. However, the availability of Bacteriodes testing may be limited.

Non-Illicit Sources

Indicator parameters can be detected from non-illicit sources such as groundwater inflows, non-contact cooling water discharges or other WPDES permitted discharges from commercial and industrial facilities:

- **Groundwater:** Flow rates associated with groundwater inflows can vary seasonally due to fluctuations in groundwater elevations. Groundwater inflows are typically highest in the early spring and lowest in the late summer. In some areas, groundwater inflows will also include natural levels of fluoride. Baseline conditions for outfalls with groundwater inflows can be established by documenting seasonal flow rates and/or fluoride levels over time. If baseline conditions have been established for an outfall, sampling for other indicator parameters can be avoided if flow rates and/or fluoride levels are consistent with the established baseline values.
- **Permitted Facilities:** In some areas, WPDES permitted industrial facilities are allowed to discharge wastewater to MS4s as long as discharge limits are met. These discharges can produce continuous or nearly continuous flows at outfalls. WPDES permitted discharges are considered non-illicit but can include one or more of the indicator parameters at detectable levels. In many cases, municipal drinking water supply is a component of WPDES permitted discharges and it may be difficult to distinguish non-illicit from illicit sources in these areas. However, establishing baseline flow rates and parameter levels for outfalls with WPDES permitted discharges is recommended. If necessary, the Department can assist in the identification and characterization of WPDES permitted discharge, including discharge limits.

The Department maintains a listing of current WPDES permit holders online:

- **WPDES Wastewater Permittees**
<http://dnr.wi.gov/org/water/wm/ww/permlists.htm>
- **WPDES Industrial Storm Water Permittees**
<http://dnr.wi.gov/runoff/stormwater/industrial/>

Submerged & Enclosed Outfalls

It may be difficult or impossible to conduct outfall field screening activities at outfalls that are fully or partially submerged by receiving waters or located within enclosed waterways. For these cases, field screening activities should be conducted at appropriate upstream manholes. On-site illicit connection inspections should be considered for any high risk facilities that can potentially discharge to the MS4 between the outfall and field screening manholes. Another option to consider is televising the storm sewer segments located between field screening manholes and the outfall.

Physically Interconnected Systems

One MS4 that discharges directly to a second MS4 is considered physically interconnected. The point of interconnection is considered an outfall from the upstream or discharging MS4. Although field screening activities should be conducted by the upstream MS4 at the point of interconnection, it may be appropriate for interconnected MS4s to coordinate and potentially consolidate field screening activities.

Pump Stations

For pumped storm water systems, field screening activities should be conducted at appropriate manholes located upstream from the pump station or intake. If the first upstream manhole from the pump station is submerged, the pump should be operated if possible to remove accumulated water from the storm sewer system prior to conducting field screening activities.

Swales Conveyance Systems

For swale conveyance systems, it may be appropriate to conduct a visual or “windshield” survey within the swale area in conjunction with or as an alternative to field screening at the outfall. Locations where piped systems discharge to swales should be targeted during windshield surveys.

Storm Water Practices

Wet detention basins and other storm water treatment practices can potentially mask the presence of illicit discharges from the storm sewer system. Field screening activities should be conducted at inlets to storm water treatment practices rather than from the outlet. However, the size and location of practices can be considered when determining if field screening at inlets is necessary.

Documentation and Program Evaluation

Written or electronic documentation of all outfall screening activities should be kept. At minimum, the documentation should identify the following items for each outfall:

- Outfall location & description
- Inspector name
- Date of inspection
- Date & amount of last rainfall
- Weather conditions
- Narrative description of all sensory observations and flow rate estimates
- Test results for all indicator parameter sampling
- Narrative description of potential or confirmed illicit discharge sources and actions taken to track and eliminate sources.
- Additional comments or observations

As suggested in the "Action Level" section, it is important to develop and maintain a field screening database (or equivalent) to track changes and establish trends over time. Each permitted MS4 should conduct an annual evaluation of the field screening data and priority outfall list. Program modifications should be made as needed based on the annual evaluation.

APPROVED:

Mary Anne Townsend 3/19/2012
Section Chief Date

APPROVED:

Joe R. Lanzetta 3/19/2012
Staff Attorney Date

DISCUSSED OR APPROVED:

PMT Approved on 3/15/2012
 Date

This document is intended solely as guidance and does not contain any mandatory requirements except where requirements found in statute or administrative rule are referenced. Any regulatory decisions made by the Department of Natural Resources in any matter addressed by this guidance will be made by applying the governing statutes and administrative rules to the relevant facts.

5.0 CONSTRUCTION SITE POLLUTANT CONTROL

As discussed in **Section 3.4.1**, the Village is required to have a construction site ordinance. The Village's construction site ordinance can be found in Part II, Chapter 8, Article XVII, Site Eorsion Control. Erosion Control requirements are at least as stringent as the requirements listed in **Section 3.4.1** of the permit. The Village's Code of Ordinance can be accessed online at the location below:

https://library.municode.com/wi/mcfarland/codes/code_of_ordinances?nodeId=PTIICOOR_CH8_BUBURE_ARTXVIISIERCO

According to **Section 3.4.2**, the Village should have written procedures for construction site plan review. At the Village, construction site plans are reviewed by the Village Public Works department and the Village Community Development and/or their designee for consistency with Village requirements and best management practices.

Members of the public can submit complaints by calling the McFarland Public Works Department's main number (608-838-7287) or by e-mailing Public Works at public.works@mcfarland.wi.us

According to **Section 3.4.3** the Village should have written procedures for administration of the construction site pollutant control program. At the Village, these procedures are managed through the erosion control permit application and administration process as outlined in Village ordinances and on the Village website. The responsibility for this administration initially falls on the Village Community Development department and is then shared with the Village Public Works and/or their designee depending on the size and scope of the project.

According to **Section 3.4.4(a)**, the Village should have written procedures for construction site inspection and enforcement and provide an identification of the municipal departments or staff responsible for construction site inspections and enforcement Overall, the Village department responsible for construction site inspections is the Village Public Works Department. The Village Public Works Department utilizes professional services to perform the inspections. In general, on projects that are improvements to public infrastructure, the Village Engineer performs and records the inspections. On projects that are improvements to private property, a professional construction site inspection service is used. Inspection records from all sites are retained within a singular database. If a verbal warning with follow-up inspection is sufficient to correct any deficiencies, then that action is handled by the respective construction

site inspectors. If an additional enforcement action needs to take place, the Village Public Works Department would collaborate with Village Administration to proceed with the action.

The Village's procedures meet the inspection frequency requirements listed in **Section 3.4.4.b** of the Permit. Those frequencies are as follows:

Table 3: Construction Site Inspection Frequency

Site	Inspection Frequency
(1) All sites one acre or more in size	• New projects shall be inspected within the first two weeks of commencement of land disturbing construction activity • All active sites shall be inspected at least once every 45 days • All inactive sites shall be inspected at least once every 60 days
(2) Follow up inspection	• Follow up inspections are required within 7 days of any sediment discharge or inadequate control measure, unless corrections were made and observed by the inspector during initial inspection or corrections were verified via photographs submitted to the inspector
(3) Final inspection	• Confirm that all graded areas have reached final stabilization and that all temporary control measures are removed, and permanent storm water management BMPs are installed as designed

The frequencies noted above are the minimum frequency of inspection. More typically, inspections are actually conducted weekly or within 24 hours of every 0.5 inch of rainfall. If deficiencies are observed during an inspection, then the inspector directs the contractor to make the required corrections. As described above, if the corrections are not observed or photos submitted, then a follow-up inspection is conducted within 7 days. Follow-up inspections are recorded and records of those inspections are maintained in the same database.

According to **Section 3.4.4.c**, compliance with the inspection requirements shall be determined by proper documentation and maintenance of records. The Village utilizes WDNR form 3400-187 to document construction site inspections. For reference, a sample of this inspection form is attached to the end of this section. During an inspection of a site, the inspector would utilize this form to document the inspection. If an inspection identifies any locations where actions are required, a follow-up inspection is completed. Follow-up inspections also use this same form and the inspector will refer to the previous inspection to confirm that the required actions have been completed. While a construction site is active, the inspection records are maintained by the Village agent responsible for conducting the inspections. At the end of each year or at the end of a site's active use, these records are transferred to a singular electronic file for retention by the Village Public Works Department.

Citations, verbal warnings, and stop work orders may be used to obtain erosion control compliance, in accordance with **Section 3.4.4.d** of the MS4 Permit.

Notice: This form was developed in accordance with s. NR 216.48 Wis. Adm. Code for WPDES permittees' convenience; however, use of this specific form is voluntary. Multiple copies of this form may be made to compile the inspection report. Inspections of the construction site and implemented erosion and sediment control best management practices (BMPs) must be performed weekly and within 24 hours after a rainfall event 0.5 inches or greater.

Construction Site Name and Location (Project, Municipality, and County):			Site/Facility ID No. (FIN):	
Onsite Contact/Contractor:			Onsite Phone/Cell:	
Note: In accordance with s. NR 216.48 (4), Wis. Adm. Code, inspection reports, along with erosion control and storm water management plans, are required to be maintained on site and made available upon request. Repair or replace erosion and sediment control best management practices within 24 hours of an inspection or department notification that repair or replacement is needed. PLEASE PRINT LEGIBLY.				
Date of inspection:	Time of inspection: Start: _____ ☐ am ☐ pm End: _____ ☐ am ☐ pm	Type of inspection: ☐ Weekly ☐ Precipitation Event ☐ Other (specify)		
Weather/Site Conditions: Temp. _____ °F ☐ Dry ☐ Frozen or snow covered ☐ Antecedent ☐ Variable ☐ Frozen (Thaw predicted in next week) ☐ Soil Moisture ☐ Wet ☐ Melting Snow/slush Last Rainfall Depth: _____ inches Last Rainfall Date: _____		Describe current phase of construction: Scheduled Final Stabilization Date for Universal Soil Loss Equation (USLE) ¹ : _____ Project on Schedule²? ☐ Yes ☐ No		
Name(s) of individual(s) performing inspection:		Inspector Phone/Cell:		
I certify that the information contained on this form is an accurate assessment of site conditions at the time of inspection:				
Inspector Signature _____			Date: _____	
Inspection Questions:	Yes	No (Identify Actions Required):	Location/Comments:	Actions Completed by Date & Initials
1. Is the erosion control plan accessible to operators?	☐	☐ Provide onsite copy		
2. Is the permit certificate posted where visible?	☐	☐ Post certificate		
3. Is the current phase of construction on sequence with the site-specific erosion and sediment control plan, including installation/stabilization of ponds and ditches?	☐	☐ Add sediment control ☐ Install missing ditch/pipe/pond ☐ Stabilize bare soil		
4. Are all erosion and sediment control BMPs shown on plan properly installed and in functional condition?	☐	☐ Repair ☐ Modify ☐ Install/Replace		
5. Is inlet protection properly installed and functioning in all inlets likely to receive runoff from the site?	☐	☐ Clean ☐ Replace ☐ Install		
6. Is the air free of fugitive dust resulting from construction activity and bare soil exposure?	☐	☐ Apply water ☐ Apply dust control product		

¹ The Universal Soil Loss Equation (USLE) model and the Construction Site Soil Loss and Sediment Discharge Guidance are available at: http://dnr.wi.gov/topic/stormwater/standards/const_standards.html

² If the project is not on schedule then the soil loss summary for the project should be reviewed and schedule, plan or practices modified accordingly.

CONSTRUCTION SITE INSPECTION REPORT

Form 3400-187 (R 02/2025)

Page 2 of 2

Inspection Questions:	Yes	No (Identify Actions Required):	Location/Comments:	Actions Completed by Date & Initials
7. Is the public right of way curb line free of tracked soil and accumulation?	☐	☐ Install tracking pad ☐ Widen/lengthen pad ☐ Amend stone/Add geotextile ☐ Install wheel washing station ☐ Close entrance/exit ☐ Limit traffic across disturbed areas ☐ Sweep road and curb line		
8. Are wetlands, lakes, streams, ditches, or storm sewers downstream of the site free of sedimentation and turbid water leaving the site? ³	☐	☐ Repair/Replace erosion control ☐ Add sediment controls ☐ Modify operations ☐ Contact DNR to verify extent of cleanup required		
9. Is dewatering and/or vehicle and equipment washing being done in a manner that prevents erosion and sediment discharge?	☐	☐ Install treatment train ☐ Install energy dissipation ☐ Modify discharge location ☐ Modify intake to reduce sediment		
10. Are soil stockpiles existing for more than 7 days covered and stabilized?	☐	☐ Seed ☐ Install mat/mulch/polymer ☐ Cover with tarp/plastic sheeting		
11. Are downstream channels and other downhill areas protected from scour and erosion?	☐	☐ Install energy dissipation at outfall ☐ Install ditch checks ☐ Install slope interruption ☐ Install onsite detention		
12. Are good housekeeping practices or treatment controls in place to prevent the discharge of chemicals, cement, trash, and other materials into wetlands, waterways, storm sewers, ditches, or drainage-ways? ⁴	☐	☐ Properly dispose of trash ☐ Provide concrete washout station ☐ Contact DNR to verify extent of cleanup required		
13. Is the plan reflective of current site operations and does it address all erosion and sediment control issues identified during the inspection?	☐	☐ Revise sequence ☐ Revise sediment control BMP ☐ Revise erosion control BMP ☐ Revise post-construction storm water BMP		
14. Are all areas where construction has temporarily ceased (and will not resume for more than 2 weeks) temporarily stabilized?	☐	☐ Topsoil & seed ☐ Install mat/mulch/polymer ☐ Cover with tarp/plastic sheeting		
15. Are all areas at final grade permanently vegetated or stabilized with other treatments?	☐	☐ Topsoil & seed ☐ Install mat/mulch/polymer ☐ Sod ☐ Install stone base		
16. Have temporary sediment controls been removed in areas of the site that meet the permit definition of 'final stabilization'?	☐	☐ Water to establish vegetation ☐ Repair or reseed areas ☐ Remove temporary practices		

³ If sediment discharge enters a wetland or waterbody, the permittee should consult with DNR staff to determine if sediment cleanup and/or additional control measures are required.

⁴ The permittee shall notify the DNR immediately via the spills hotline at (800)943-0003 of any release or spill of a hazardous substance to the environment in accordance with s. 292.11, Wis. Stats., and ch. NR 706, Wis. Adm. Code.

6.0 POST-CONSTRUCTION STORM WATER MANAGEMENT

According to **Section 3.5.1**, the Village is required to have an ordinance or other regulatory mechanisms to regulate post-construction storm water discharges from new and redevelopment. The Village's storm water management ordinance can be found in in Part II, Chapter 8, Article XVII, Storm water Management. Storm water management requirements are at least as stringent as the requirements listed in **Section 3.5.1**. The Village's Code of Ordinance can be accessed online at the location below:

https://library.municode.com/wi/mcfarland/codes/code_of_ordinances?nodeId=PTIIC_OOR_CH8BUBURE_ARTXVIIISTMA

According to **Section 3.5.2**, the Village is required to have written procedures for the administration of the post-construction storm water management program, including a process for obtaining local approval and responding to complaints. The Village manages the administration of this program through the Village's Community Development department in conjunction with the Village Public Works Department and/or their designee. Local approval for new development is obtained by verifying the construction post-construction controls meet the approved requirements, with the verification by the Community Development department, Public Works department, and/or their designee. The response to complaints is handled by the Village Public Works Department.

According to **Section 3.5.3**, the Village is required to have written procedures for post-construction site plan review. At the Village, these plans are reviewed as part of the Erosion Control and Storm water Management permitting process. This is described more fully in Section 5.0 of this plan and the plan review is handled by the Village Public Works Department, Community Development Department, and/or their designee.

According to **Section 3.5.4**, the Village is required to have written procedures to, at a minimum, track and enforce the long-term maintenance of storm water management facilities implemented to meet applicable post-construction performance standards. The ability of the Village to enforce the long-term maintenance and inspection requirements is codified in the Village's Code of Ordinances within the section linked to above. Additionally, these facilities all have maintenance agreements giving the Village authority to maintain them if the owner fails to do so.

According to **Section 3.5.4.a**, the Village is required to have a mechanism for tracking regulated sites. These facilities are shown on the Village storm water map and listed in the table below:

Basin Location	BMP Name	Basin Area	BMP Type	Year Constructed	O&M Plan?	Record Drawing?
A1	84 Lumber Pond 2	13	Wet Pond	2004	UNK	Yes
B1	Voges Road Pond	7.1	Wet Pond		UNK	
C1	84 Lumber Pond 1	4.5	Biofiltration	2012	UNK	Yes
F1	Storage Shop USA	3.45	Biofiltration			
M1	Kwik Trip	1.6	Biofiltration			
M1	Bisbee Dale St Pond	2.1	Wet Pond			
N1	Burma Condos	2.3	Biofiltration			
W2	Lot 17 Fieldstone	7.8	Wet Pond			
X4	Countrywood Dry Pond	43.5	Grass Swale			

According to **Section 3.5.4.b**, the Village is required to inspect these facilities no less than once per permit term. The Village shall inspect all of these facilities a minimum of once per permit term.

According to **Section 3.5.4.c**, the Village is required to have procedures for documentation of these inspections. A sample inspection form and a screenshot from the GIS-based inspection form is included at the end of this section for reference. Inspections are typically documented electronically and recorded using an application on the Village's GIS. The GIS application allows for the storage of photos with each inspection and provides quick confirmation of compliance with required inspection frequency. Inspection documentation shall be maintained by the Village Public Works Department within the Village's GIS database.

According to **Section 3.5.4.d**, the Village is required to have procedures for follow up enforcement with timeframes for corrective maintenance. If issues are noted during an inspection, then the owner of the facility is promptly notified of the issues and any necessary maintenance. A formal notification of the issues noted is given to the owner by email or letter. The maximum timeframe given for corrective action is 6 months from date of notification. If

deemed reasonable by Village staff, then the timeframe given may be shortened. A follow-up inspection is conducted after the owner notifies the Village that actions have been taken. Documentation of follow-up enforcement is maintained electronically within the Village Public Works Department files.

7.0 POLLUTION PREVENTION

According to **Section 3.6.1**, the Village must update and maintain an inventory of municipally-owned or operated stormwater best management practices, such as wet ponds, bioretention devices, infiltration bays, etc. An inventory of Village-owned stormwater facilities can be found on the village's storm water map and is detailed in this table:

Basin Location	BMP Name	Basin Area (acres)	BMP Type	Year Constructed	O&M Plan?	Record Drawing?
D2	Commerce Park Pond 3	6.2	Wet Pond	1991	Annual Inspection	Yes
D1	Commerce Park Pond 4	13.8	Wet Pond	1991	Annual Inspection	Yes
A2	High Track	13.5	Wet Pond	2013	Annual Inspection	Yes
W2	Highland Oaks	52.6	Wet Pond		Annual Inspection	
Q2	Meredith Heights	6.9	Wet Pond	1999	Annual Inspection	
X5	Parkview Estates 2	13.2	Wet Pond	2001	Annual Inspection	Yes
X3	Parkview Estates 1	53.1	Wet Pond	2001	Annual Inspection	Yes
U1, U2	Red Oak Addition	122	Wet Pond	1999	Annual Inspection	Yes
M1, N1, R1	Sediment Lagoon	194	Wet Pond		Annual Inspection	
M2	Woodland Commons Pond 1a	4.9	Wet Pond		Annual Inspection	
M2	Woodland Commons Pond 1b	8.7	Wet Pond		Annual Inspection	
F2	Commerce Park Pond 1	5	Wet Pond	1991	Annual Inspection	Yes
S2	Marsh/Siggelkow Pond	44	Wet Pond	1993	Annual Inspection	
E1	Commerce Park Pond 2	13	Wet Pond	1991	Annual Inspection	Yes
L1	Valley Drive Pond	146	Wet Pond	2012	Annual Inspection	Yes
W1	Osborn/Leanne Pond	167	Wet Pond	2011	Annual Inspection	Yes

According to **Section 3.6.2**, the Village shall develop and implement a maintenance plan with inspection procedures and a schedule for the BMPs listed in the table above. The Village practice is to inspect all listed facilities a minimum of once annually and perform

maintenance of the device following inspection if necessary. Records of these inspections are maintained by the Village Public Works Department.

According to **Section 3.6.3**, municipally-owned facilities (such as municipal storage yards) should have a Stormwater Pollution Prevention Plan (SWPPP). A hard copy of the SWPPP for the Public Works Maintenance Yard can be obtained at the Public Works office or requested by either calling or e-mailing the McFarland Public Works Department's main number (608-838-7287) or by e-mailing Public Works at public.works@mcfarland.wi.us

Section 3.6.5.a of the MS4 Permit contains requirements for street sweeping documentation. The Village utilizes monthly street sweeping in its current storm water model. This documentation is submitted annually with the MS4 annual report and additional documentation is maintained by the Village Public Works Department.

Pavement sweeping is an effective stormwater management practice. The Village performs street sweeping along forty-four (44) miles of Village streets at least one (1) time per month in the summer months. Additional street sweeping is performed as time, weather and personnel staffing issues allow.

The Village uses a high-efficiency vacuum sweeper which consists of a Tymco 600 Regenerative Air System on a 2014 International Chassis. Street sweeping for the Village is completed by the Public Works Department. All street sweeping debris is collected and disposed of at the Village of McFarland Public Works Center. It is later hauled to a vendor for disposal.

The Village of McFarland Public Works Department records all street sweeping activities. Village personnel currently utilize paper logs and some GIS to track sweeping activities. Additionally, the estimated or actual amount of debris collected during sweeping activities, will be reported on the MS4 Annual Report. A sample log is included at the end of this section for reference.

Section 3.6.5.b of the MS4 permit contains requirements for catch basin cleaning documentation. The Village utilizes annual catch basin cleaning in its current storm water model. A The Village does maintain a documentation record of the number of catch basins cleaned and an estimate of the weight in tons of material collected annually.

The Village of McFarland plans to cleans all catch basins annually, or once per year. The Village maintains numerous catch basins, as reflected on the stormwater map. All debris is

collected and disposed of at the Village of McFarland Public Works Center. It is later hauled to a vendor for disposal.

The Village of McFarland Public Works Department records all catch basin sump cleaning activities. Village personnel currently utilize paper logs and some GIS to track this work. Additionally, the estimated or actual amount of debris collected during sweeping activities, will be reported on the MS4 Annual Report. A sample log is included at the end of this section for reference.

According to **Section 3.6.5.c**, material collected from street sweeping and sump cleaning should be disposed of or beneficially reused in accordance with applicable solid waste and hazardous waste statuses and administrative codes. Non-storm water discharges associated with dewatering and drying material are not authorized by the permit.

According to **Section 3.6.5.d(1)**, the Village should maintain a description of the leaf collection program, including type of pick-up methodology and equipment used. Brush and yardwaste collection is contracted out in five-year increments. Currently (2020-2024), brush and yardwaste is collected by Barnes. Residents are required to bring yard waste to the compost site for disposal. Brush should meet size requirements and be stacked neatly in the bunker for disposal terrace. Brush and yardwaste collection instructions can be found at the website below:

<https://www.mcfarland.wi.us/294/Yard-Waste-Brush>

The compost/brush site is operates from approximately April 1st of year until approximately mid-November and is open from 7:00a.m. to 7:00p.m., 7 days per week.

Brush and yard waste are picked up and is assumed that the material is processed into compost. It is not possible to estimate the weight in tons of material collected annually, as there is currently no scale available at the site.

According to **Section 3.6.5.d(3)**, the Village shall maintain documentation of the municipally-operated leaf disposal location. The Village's leaf disposal location is located at the Village of McFarland's Public Works Department (5115 Terminal Drive).

According to **Section 3.6.6**, no more salt or deicers may be applied than necessary to maintain public safety. Documentation on deicing activities shall be maintained including the following:

Contact Information for the department with overall responsibility for winter roadway maintenance.	Village of McFarland Public Works Dept. public.works@mcfarland.wi.us (608) 838-7287
A description of the types of deicing products used.	Salt, brine
Amount of deicing product used per month or per storm event.	Available in the Street Supervisor's files.
A description of type of equipment used.	
An estimate of the number of lane-miles treated with deicing products, as well as an estimate of the total area of municipally-owned parking lots treated.	
A description of snow disposal locations.	Not applicable.
A description of anti-icing, pre-wetting and bringing, equipment calibration, pavement temperature monitoring, and/or salt reduction strategies implemented or being considered.	

In **Section 3.6.7**, fertilizer and/or pesticide application on municipally-controlled properties may be implemented in accordance with site-specific requirements.

According to **Section 3.6.8**, consideration of environmentally sensitive land development designs for municipal projects, including green infrastructure and low impact development, shall be designed, installed, and maintained to comply with a water quality requirement under the MS4 Permit.

According to **Section 3.6.9**, the Village hold one annual training event for appropriate municipal staff and other personnel involved in implementing each of the elements of the pollution prevention program under this section (Pollution Prevention). Documentation shall be maintained including the date, number of people attending the training, the names of each person and a summary of their responsibilities, and the content of the training. This documentation will be maintained at the public works department.

As outlined in **Section 3.7** of the MS4 Permit, the Village should implement and maintain structural and non-structural BMPs to achieve a reduction of 20% or more of total suspended solids (TSS) carried from existing development to waters of the state.

According to **Section 3.8**, the Village is required to maintain a map of the MS4. This information is available at public works. Information is provided to the Village of Madison annually, so they can maintain a common storm sewer system map for the entire group permit area in accordance with **Section 3.8.2**. This information should be updated annually and provided to the Village of Madison by January 31 each year.

Street Sweeping Log

Section 3.6.5.a of our MS4 Reporting

Date (mm/dd/yyyy) | _____

Operator(s) | _____

Mileage Start | _____

Mileage End | _____

Total Mileage | _____

Loads of material collected today | _____

Amount of water used today | _____

Areas covered for todays sweeping | _____

Any issues concerns? Y/N If yes, describe | _____

Catch Basin Sump Cleaning Log

Section 3.6.5.b of our MS4 Reporting

Date		
Operator(s)		
Number of basins cleaned today		
Machine Used to clean basins	street sweeper	valve turner
Amount of material collected today	Est. YD ³	Est. Pounds
Amount of water used today	Gallons	
Locations todays work		

**VILLAGE OF
McFarland
SUMMARY SHEET**

MEETING DATE: Monday, March 24, 2025

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Lee Igl, Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding award of contract for sanitary sewer main cleaning and televising services.

PREVIOUS ACTION:

The Public Utilities Committee recommended approval to the Village Board for the award of contract to Green Bay Pipe & TV, LLC at their July 21, 2020, meeting.

The Village Board approved the proposal from Green Bay Pipe & TV, LLC for sanitary sewer main cleaning and televising services at their July 27, 2020, meeting.

The Public Works & Utilities Committee recommended approval to the Village Board regarding a request for proposals seeking sanitary sewer main cleaning and televising services at their January 27, 2025, meeting.

The Village Board approved issuing a request for proposals for services at their February 11, 2025, meeting.

ISSUE SUMMARY:

As part of the yearly sanitary sewer maintenance program, the utility contracts out the televising of the mains. It has been practice to televise approximately one-third of the village per year. The cleaning and televising of the sanitary sewer is to ensure the system is able to run at full capacity. The process also allows us to check the integrity of the pipes; find infiltration and any possible boring strikes from utility installations.

Three proposals were received with the low bidder being Green Bay Pipe & TV. Enclosed is a summary of the proposals for each year. Additionally, a proposal form is enclosed by each company that submitted information. Staff recommend awarding a contract with Green Bay Pipe & TV for the next three years.

FINANCIAL/BUDGET IMPACT:

Cleaning and televising of the sanitary sewer was approved in the 2025 - 2029 CIP for \$79,500.

VILLAGE PLAN REFERENCE:

None.

ORDINANCE REFERENCE:



None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended motion:

Motion, second to recommend approval to the Village Board regarding award of contract to Green Bay Pipe & TV LLC of Green Bay for sanitary sewer main cleaning and televising services for a three-year term.

ATTACHMENTS:

1. Sewer and Televising Comparisons for 2025
2. Aqualis proposal form 2025
3. Green Bay Pipe & TV proposal form 2025
4. Great Lakes TV Seal proposal form 2025
5. 2025 - Sewer Line Cleaning and Televising RFP with cover page --

Sewer Cleaning and Televising Proposals for 2025

Year 1						
Company	City	Cleaning per foot	Televising per foot	Clean & Televiser per foot	Notes	Anticipated Yearly Cost
Green Bay Pipe & TV	Green Bay, WI	\$ 0.65	\$ 0.65	\$ 1.05		\$ 71,400
Great Lakes TV Seal*	Green Bay, WI	\$ 0.95	\$ 0.90	\$ 1.85	*Per foot calculation based on 68,000 feet	\$ 125,800
AQUALIS	Green Bay, WI	\$ 1.64	\$ 1.03	\$ 1.82		\$ 123,760
Low Bidder						

Year 2						
Company	City	Cleaning per foot	Televising per foot	Clean & Televiser per foot	Notes	Anticipated Yearly Cost
Green Bay Pipe & TV	Green Bay, WI	\$ 0.65	\$ 0.65	\$ 1.05		\$ 71,400
Great Lakes TV Seal*	Green Bay, WI	\$ 0.95	\$ 0.90	\$ 1.85	*Per foot calculation based on 68,000 feet	\$ 125,800
AQUALIS	Green Bay, WI	\$ 1.66	\$ 1.06	\$ 1.85		\$ 125,800

Year 3						
Company	City	Cleaning per foot	Televising per foot	Clean & Televiser per foot	Notes	Anticipated Yearly Cost
Green Bay Pipe & TV	Green Bay, WI	\$ 0.65	\$ 0.65	\$ 1.05		\$ 71,400
Great Lakes TV Seal*	Green Bay, WI	\$ 1.00	\$ 0.95	\$ 1.95	*Per foot calculation based on 68,000 feet	\$ 132,600
AQUALIS	Green Bay, WI	\$ 1.68	\$ 1.09	\$ 1.89		\$ 128,520

PROPOSAL FORM

The Village of McFarland invites your proposal to provide Sanitary Sewer Line Cleaning and/or Sanitary Sewer Line Televising Services for the Village of McFarland Sewer System to be received until 10:00 a.m. on March 12, 2025 at the Village of McFarland Municipal Center, 5915 Milwaukee St, McFarland WI 53558.

In accordance with the attached instructions, terms, conditions, and Scope of Services we submit the following proposal to the Village of McFarland.

This shall include labor, materials, supervision, equipment, appliances, and materials to perform all operations required to do annual Sewer Line Cleaning and/or Sewer Line Televising, as specified.

<u>Description</u>		<u>Total Price</u>
Line cleaning cost per foot 1 st year	\$1.64	\$111,520.00
Line cleaning cost per foot 2 nd year	\$1.66	\$112,880.00
Line cleaning cost per foot 3 rd year	\$1.68	\$114,240.00
Line televising cost per foot 1 st year	\$1.03	\$70,040.00
Line televising cost per foot 2 nd year	\$1.06	\$72,080.00
Line televising cost per foot 3 rd year	\$1.09	\$74,120.00
Line cleaning AND televising cost per foot 1 st year	\$1.82	\$123,760.00
Line cleaning AND televising cost per foot 2 nd year	\$1.85	\$125,800.00
Line cleaning AND televising cost per foot 3 rd year	\$1.89	\$128,520.00

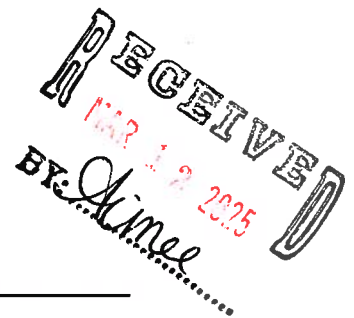
I certify that the contents of this proposal are known to no one outside the firm, and to the best of my knowledge all requirements have been complied with.

Authorized Signature Adam W. Tierney

Printed Name Adam Tierney

Title General Manager

Firm Name Aqualis Date 3.5.2025



PROPOSAL FORM

RECEIVED
MAR 12 2025
BY:

The Village of McFarland invites your proposal to provide Sanitary Sewer Line Cleaning and/or Sanitary Sewer Line Televising Services for the Village of McFarland Sewer System to be received until 10:00 a.m. on March 12, 2025 at the Village of McFarland Municipal Center, 5915 Milwaukee St, McFarland WI 53558.

In accordance with the attached instructions, terms, conditions, and Scope of Services we submit the following proposal to the Village of McFarland.

This shall include labor, materials, supervision, equipment, appliances, and materials to perform all operations required to do annual Sewer Line Cleaning and/or Sewer Line Televising, as specified.

Description	Total Price
Line cleaning cost per foot 1 st year	\$.65
Line cleaning cost per foot 2 nd year	\$.65
Line cleaning cost per foot 3 rd year	\$.65
Line televising cost per foot 1 st year	\$.65
Line televising cost per foot 2 nd year	\$.65
Line televising cost per foot 3 rd year	\$.65
Line cleaning AND televising cost per foot 1 st year	\$ 1.05
Line cleaning AND televising cost per foot 2 nd year	\$ 1.05
Line cleaning AND televising cost per foot 3 rd year	\$ 1.05

I certify that the contents of this proposal are known to no one outside the firm, and to the best of my knowledge all requirements have been complied with.

Authorized Signature Stephanie DeKeyser

Printed Name Stephanie DeKeyser

Title President

Firm Name Green Bay Pipe TV, LLC Date 3-10-25

RECEIVED
MAR 12 2025
BY: James 4

PROPOSAL FORM

The Village of McFarland invites your proposal to provide Sanitary Sewer Line Cleaning and/or Sanitary Sewer Line Televising Services for the Village of McFarland Sewer System to be received until 10:00 a.m. on March 12, 2025 at the Village of McFarland Municipal Center, 5915 Milwaukee St, McFarland WI 53558.

In accordance with the attached instructions, terms, conditions, and Scope of Services we submit the following proposal to the Village of McFarland.

This shall include labor, materials, supervision, equipment, appliances, and materials to perform all operations required to do annual Sewer Line Cleaning and/or Sewer Line Televising, as specified.

<u>Description</u>	<u>Total Price</u>
Line cleaning cost per foot 1 st year	\$64,600.00
Line cleaning cost per foot 2 nd year	\$64,600.00
Line cleaning cost per foot 3 rd year	\$ 68,000.00
Line televising cost per foot 1 st year	\$61,200.00
Line televising cost per foot 2 nd year	\$61,200.00
Line televising cost per foot 3 rd year	\$ 64,600.00
Line cleaning AND televising cost per foot 1 st year	\$ 125,800.00
Line cleaning AND televising cost per foot 2 nd year	\$ 125,800.00
Line cleaning AND televising cost per foot 3 rd year	\$ 132,600.00

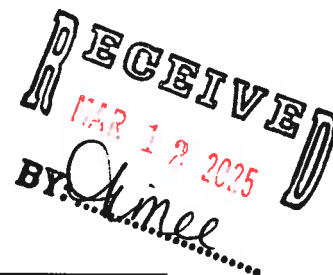
I certify that the contents of this proposal are known to no one outside the firm, and to the best of my knowledge all requirements have been complied with.

Authorized Signature 

Printed Name Brett Healy

Title President

Firm Name Great Lakes TV Seal, Inc. Date 03/10/2025





Request For Proposals

Sanitary Sewer Line Cleaning
and/or
Sanitary Sewer Line Televising

RFP Issuance Date: XXXX YY, 2025

RFP Due Date: XXXX YY, 2025 10:00 a.m.

Please Submit to:

Village of McFarland
Attn: Lee Igl
5915 Milwaukee Street, PO Box 110
McFarland, WI 53558

SEWER LINE CLEANING AND/OR TELEVISIONING

SERVICES FOR VILLAGE OF MCFARLAND

SCOPE OF SERVICES

This Scope of Services will become an integral part of the contract between the Village of McFarland and the Contractor. The Contractor hereby agrees to provide services and/or materials to the Village pursuant to the provisions set forth below.

1. **PURPOSE:** The purpose and intent of the Request for Proposals (RFP) is to solicit proposals from qualified Contractor(s) to provide personnel and equipment necessary for either cleaning sewer lines and/or televising sewer lines or both under the direction of the Village of McFarland Public Works Director.
2. **BACKGROUND:** The Village desires a private contractor to perform these services to maintain a clean collection system, as well as to properly assess the condition of the collection system pipeline.
3. **VILLAGE OF MCFARLAND DESIGNATED REPRESENTATIVE:**
Lee Igl
Public Works Director
5115 Terminal Drive
McFarland, WI 53558
608-838-7287
Lee.Igl@mcfarland.wi.gov
4. **WORK REQUIREMENTS:** The Contractor (s) will be given a list of line sections to be cleaned and/or televised by the Village of McFarland Public Works Director. It is the intent of this contract to satisfy Village collection system requirements; namely, the Contractor will perform work on at least one-third (1/3) of the Village collection system each year. It is estimated that the footage to be cleaned is approximately 68,000 feet. This includes sewer mains located in the street and off-road easements.

As a condition of the work, the Contractor will be required to use water to clean the footages specified. Bulk water purchases are the responsibility of the contractor.

A copy of the collection system map will be given to the contractor(s) at the onset of the contract, to assist in this endeavor.

During the course of the contract, additional infrastructure may be incorporated into the collection system from new development, or other such causes. The village has a right to require the contractor to perform additional cleaning and/or televising and inspection work at the price per foot quoted by the contractor.

It is understood that this work will take multiple weeks, or months to complete the specified section of the system. Once operations commence, updates will be required by the Village as part of their notification process to residents and businesses. It is also understood that more frequent updates should be given, if the Village or the Contractor(s)

feel(s) there is need. Final work shall be completed by December 1st of the contract year, to give Village staff adequate time to review the deliverable and decide if the contract will be renewed.

5. **SCHEDULES/TIMELINES:** The initial term of the contract is from approximately May 15, 2025 through December 31, 2025; with the option to renew by the Village for three (3) successive one (1) year periods, under the same terms and conditions. Any renewal shall be based on satisfactory performance by the Contractor(s) during the previous year.

QUALIFICATIONS AND SUBMISSION REQUIREMENTS

QUALIFICATIONS

The following information will be required of all contractors submitting proposals:

- History of the company performing the work
- Cities/villages where work was performed in excess of 40,000 feet
- List of the contractor's equipment on hand
- Three references

SUBMISSION

The Proposal must include all of the information set forth in this Section and other Sections of this RFP and should be organized and tabbed appropriately.

All reports are required and shall be submitted in an electronic format. The following information will be required on the report:

- Manhole number to and from
- Any manhole issues
- Pipe size
- Date and time cleaned and/or televised
- Any noted problem(s) in this section of pipe
- Any noted problem(s) in with manhole in this section of pipe

AWARD OF CONTRACT

The Village reserves the right to award to multiple Contractors or to a single Contractor deemed to be fully qualified and best suited among those submitting proposals.

The Village reserves the right to accept or reject, in whole or in part, such proposals as appears in its judgment to be in the best interest of the Village.

PROPOSAL FORM

The Village of McFarland invites your proposal to provide Sanitary Sewer Line Cleaning and/or Sanitary Sewer Line Televising Services for the Village of McFarland Sewer System to be received until 10:00 a.m. on XXXX YY, 2025 at the Village of McFarland Municipal Center, 5915 Milwaukee St, McFarland WI 53558.

In accordance with the attached instructions, terms, conditions, and Scope of Services we submit the following proposal to the Village of McFarland.

This shall include labor, materials, supervision, equipment, appliances, and materials to perform all operations required to do annual Sewer Line Cleaning and/or Sewer Line Televising, as specified.

<u>Description</u>	<u>Total Price</u>
Line cleaning cost per foot 1 st year	\$
Line cleaning cost per foot 2 nd year	\$
Line cleaning cost per foot 3 rd year	\$
Line televising cost per foot 1 st year	\$
Line televising cost per foot 2 nd year	\$
Line televising cost per foot 3 rd year	\$
Line cleaning AND televising cost per foot 1 st year	\$
Line cleaning AND televising cost per foot 2 nd year	\$
Line cleaning AND televising cost per foot 3 rd year	

I certify that the contents of this proposal are known to no one outside the firm, and to the best of my knowledge all requirements have been complied with.

Authorized Signature_____

Printed Name_____

Title_____

Firm Name_____ Date_____

McFarland
SUMMARY SHEET

MEETING DATE: Monday, March 24, 2025

SECTION: Business

DEPARTMENT: Public Works

CONTACT: Lee Igl, Public Works Director, Matt Schuenke, Village Administrator, Aimee Irwin, Assistant to the Public Works Director

AGENDA ITEM: Discussion and action to make a recommendation to the Village Board regarding a proposal from Baker Tilly to conduct a conventional rate case for the water utility.

PREVIOUS ACTION:

None.

ISSUE SUMMARY:

Enclosed within the packet is a proposal from Baker Tilly to conduct a conventional rate case for the water utility. The water utility completed a conventional rate case in 2023, 2020, and, prior to that, in 2001. Along with a construction authorization from the Public Service Commission (PSC) for the construction of Well 5, a rate case would be needed to recover the costs associated with the well. Based on the timeline of Well 5 being online in 2027, a rate case with test year 2026 should be filed with the PSC by August 2025. Enclosed is a timeline for Well #5 as provided by Town and Country Engineering. The need for Well #5 stems from the 2023 Public Facilities Needs Assessment previously approved by the Committee at its January 23, 2023, meeting. Well 5 is included in the Capital Improvement plan for design in 2025 and construction in 2026.

The anticipated timeline for the rate case would be:

- May - Baker Tilly requests data from the utility (following the submittal of the 2024 PSC Annual Report)
- June - Preparation of initial study, review draft and changes
- July - Finalize and submit to the PSC
- August through December - PSC review, respond to questions and review proposals
- January or February 2026 - rate hearing and set date for implementation of new rates

FINANCIAL/BUDGET IMPACT:

Baker Tilly's proposal estimates the fees for their services to be \$19,000 to \$21,000.

VILLAGE PLAN REFERENCE:

[2023 Public Facilities Needs Assessment](#)
[2025-2029 Capital Improvement Program](#)



ORDINANCE REFERENCE:

None.

BOARD, COMMISSION OR COMMITTEE RECOMMENDATION:

Recommended Motion:

Motion, second to recommend approval to the Village Board regarding a proposal from Baker Tilly to conduct a conventional rate case for the water utility as presented.

ATTACHMENTS:

1. McFarland TY26 Water Rate EL 2024 10 17

Baker Tilly US, LLP
4807 Innovate Lane,
PO Box 7398
Madison, WI, 53707-7398
United States of America

T: +1 (608) 249 6622
F: +1 (608) 249 8532

bakertilly.com

October 17, 2024

Matt Schuenke
Village of McFarland
5915 Milwaukee Street
McFarland, WI 53558

Dear Mr. Schuenke:

Thank you for using Baker Tilly US, LLP (Baker Tilly, we, our) as your accountants and business advisors.

The purpose of this letter is to confirm our understanding of the terms and objectives of our engagement and the nature and limitations of the services we will provide to Village of McFarland (the Company, Client, you, your).

Services and Related Report

We will compile, from information management provides, the Company's forecasted schedules and forecasted information as of December 31, 2025 and 2026, and for the test year then ending, including the related summaries of significant assumptions and accounting policies, in order to develop forecasted water rates ("forecast"). Upon completion of our compilation of the forecast, we will provide the Company with our accountants' compilation report. If, for any reasons caused by or relating to the affairs or management of the Company, we are unable to complete our compilation of your forecast, or if we determine in our professional judgment the circumstances necessitate, we may withdraw and decline to issue a report as a result of this engagement.

The forecast is not intended to be a forecast of financial position, changes in net position or cash flows in accordance with Generally Accepted Accounting Principles (GAAP). This report will be prepared for the development of rates and should not be used for any other purpose.

A financial forecast presents, to the best of management's knowledge and belief, the Company's expected results of operations and plant balances for the financial forecast period. It is based on management's assumptions reflecting conditions it expects to exist and the course of action it expects to take during the forecast period.

Water Rate Study

The following outlines the process of completing a water rate study and filing an application with the Public Service Commission of Wisconsin (PSCW).

1. Obtain historical information, confirm significant assumptions regarding growth and costs, summarize and classify nonroutine plant additions, and forecast consumption for the 2026 test year.
2. Compile forecast in the PSCW prescribed format for the 2026 test year to support the rate study, including supplemental information related to cash flows and debt coverage to support the requested rate of return.
3. Provide draft study to management for their review. Incorporate management's comments into study.
4. Meet with the governing body to review the study.
5. Prepare the final rate study and submit the application to the PSCW.
6. Review PSC information and proposed rates.
7. Assist management with the rate hearing and implementation of new rates.

Our Responsibilities and Limitations

The objective of our compilation engagement is to apply accounting and financial reporting expertise to assist you in the presentation of the financial forecast based on management's assumptions without undertaking to obtain or provide any assurance that there are no material modifications that should be made to the financial forecast in order for it to be in accordance with guidelines for presentation of a financial forecast established by the AICPA.

We will conduct our compilation engagement in accordance with Statements on Standards for Accounting and Review Services (SSARS) promulgated by the Accounting and Review Services Committee of the AICPA and comply with the AICPA's *Code of Professional Conduct*, including the ethical principles of integrity, objectivity, professional competence and due care.

A compilation of a financial forecast differs significantly from an examination of financial forecast. A compilation does not contemplate performing analytical procedures, obtaining an understanding of the entity's internal control, assessing risks of material misstatement, tests of accounting records or other procedures ordinarily performed in an examination.

We are not required to, and will not, verify the accuracy or completeness of the information you will provide to us for the engagement or otherwise gather evidence for the purpose of expressing an opinion or a conclusion. Accordingly, we will not express an opinion or a conclusion or provide any assurance on the financial forecast.

In order for us to complete the engagement, management must provide assumptions that are appropriate for the financial forecast. If the assumptions provided are inappropriate and have not been revised to our satisfaction, we will be unable to complete the engagement, and, accordingly, we will not issue a report on the financial forecast.

Baker Tilly US, LLP is not a municipal advisor as defined in Section 975 of the Dodd-Frank Wall Street Reform and Consumer Protection Act. Baker Tilly US, LLP is not recommending an action to the Utility; is not acting as an advisor to the Utility and does not owe a fiduciary duty pursuant to Section 15B of the Securities and Exchange Act to the Utility with respect to the information and material contained in the deliverables issued under this engagement. The Utility should discuss any information and material contained in the deliverables with any and all internal and external advisors and experts that the Utility deems appropriate before acting on this information or material. Baker Tilly US, LLP will rely on management of the Utility to provide key data related to the issuance of municipal securities.

Our engagement cannot be relied upon to identify or disclose any misstatements in the financial forecast, including those caused by fraud or error, or to identify or disclose any wrongdoing within the entity or noncompliance with laws and regulations, and, because of the limited nature of our work, detection is highly unlikely. However, we will inform the appropriate level of management of any material errors, evidence that fraud may exist, illegal acts or noncompliance with laws or regulations that come to our attention, unless they are clearly inconsequential. We have no responsibility to identify and communicate deficiencies in your internal control as part of this engagement.

We, in our sole professional judgment, reserve the right to refuse to perform any procedure or take any action that could be construed as assuming management responsibilities.

The compilation will be planned and conducted with the understanding it will be used for the development of rates by the Public Service Commission of Wisconsin and should not be used by any other parties or for any other purpose. Nevertheless, items of possible interest to the previously specified party may not be specifically addressed and matters may exist that would be assessed differently by the previously specified party.

The compilation will not be planned or conducted in contemplation of reliance by any other specific third party or with respect to any specific transaction. Therefore, items of possible interest to a third party will not be specifically addressed and matters may exist that would be assessed differently by a third party, possibly in connection with a specific transaction.

Management's Responsibilities

The engagement to be performed is conducted on the basis that you acknowledge and understand that our role is to assist you in developing the presentation of the financial forecast in accordance with guidelines for presentation of a financial forecast established by the AICPA. You have the following overall responsibilities that are fundamental to our undertaking the engagement in accordance with SSARS:

1. The selection of the accounting principles applied in the preparation of the financial forecast.
2. The preparation and presentation of the financial forecast in accordance with guidelines for presentation of a financial forecast established by the AICPA, the inclusion of all informative disclosures that are appropriate for the forecast under those guidelines, and the development of assumptions that reflect your plans and expectations regarding events and circumstances for the financial forecast period.
3. The design, implementation and maintenance of internal control relevant to the preparation and presentation of the financial forecast and that it is free from material misstatement whether due to fraud or error.
4. The prevention and detection of fraud.
5. To ensure that Village of McFarland complies with the laws and regulations applicable to its activities.
6. The accuracy and completeness of the records, documents, explanations and other information, including significant judgments, you provide to us for the engagement.

7. To provide us with—
- > Access to all information of which you are aware is relevant to the presentation of the financial forecast, such as records, documentation and other matters.
 - > Additional information that we may request from you for the purpose of the compilation engagement.
 - > Unrestricted access to persons within Village of McFarland of whom we determine it necessary to make inquiries.

Management is responsible for informing us on a timely basis of the name of any single investor in you that owns 20% or more of your equity at any point in time. Management is also responsible for informing us on a timely basis of any investments held by you which constitutes 20% or more of the equity/capital of the investee entity at any point in time.

Our Report

As part of our engagement, we will issue a report that will state that we did not examine or review the financial forecast and that, accordingly, we do not express an opinion, a conclusion, nor provide any assurance on it. It will also state that (1) there will usually be differences between the forecasted and actual results because events and circumstances frequently do not occur as expected, and those differences may be material; and (2) we have no responsibility to update the report for events and circumstances occurring after the date of the report.

There may be circumstances in which the report differs from the expected form and content.

You agree to include our compilation report in any document containing the financial forecast that indicates that we have performed a compilation engagement on the financial forecast and, prior to inclusion of the report, to ask our permission to do so.

Nonattest Services

Prior to or as part of our compilation engagement, it may be necessary for Baker Tilly US, LLP or Baker Tilly Advisory Group, LP to perform certain nonattest services. Nonattest services that we will be providing are as follows:

- > Reporting assistance (such as formatting) as requested.

We will not perform any management functions or make management decisions on your behalf with respect to any nonattest services we or Baker Tilly Advisory Group, LP provide.

In connection with our performance of any nonattest services, you agree that you will:

- > Continue to make all management decisions and perform all management functions.
- > Designate a competent employee with suitable skill, knowledge and/or experience, preferably within senior management, to oversee the services we perform.
- > Evaluate the adequacy and results of the nonattest services we perform.
- > Accept responsibility for the results of our nonattest services.
- > Establish and maintain internal controls, including monitoring ongoing activities related to the nonattest function.

Reproduction of the Financial Forecast

If you intend to reproduce or publish the financial forecast, and make reference to our firm name in connection therewith, you agree to publish the financial forecast in its entirety. In addition, you agree to provide us, for our approval and consent, proofs before printing, and final materials before distribution.

With regard to the electronic dissemination of the financial forecast, including forecasted financials published electronically on your internet website, you understand that electronic sites are a means to distribute information and, therefore, we are not required to read the information contained in these sites or to consider the consistency of other information in the electronic site with the original document.

Ownership of Workpapers

The documentation for this engagement, including the workpapers is the property of Baker Tilly and constitutes confidential information. We may have a responsibility to retain the documentation for a period of time sufficient to satisfy any applicable legal or regulatory requirements for records retention. Baker Tilly does not retain any original client records and we will return such records to you at the completion of the services rendered under this engagement. When such records are returned to you, it is the Company's responsibility to retain and protect its accounting and other business records for future use, including potential review by any government or other regulatory agencies. By your signature below, you acknowledge and agree that, upon the expiration of the documentation retention period, Baker Tilly shall be free to destroy our workpapers related to this engagement. If we are required by law, regulation or professional standards to make certain documentation available to Regulators, the Company hereby authorizes us to do so.

Timing and Fees

We estimate that our fees for these services will range from \$19,000 to \$21,000 for the compilation. In addition to professional fees, our invoices will include our standard administrative charge, plus travel and subsistence and other out-of-pocket expenses related to the engagement.

Invoices for these fees will be rendered each month as work progresses and are payable on presentation. A charge of 1.5 percent per month shall be imposed on accounts not paid within thirty (30) days of receipt of our statement for services provided. In accordance with our firm policies, work may be suspended if your account becomes thirty (30) days or more overdue and will not be resumed until your account is paid in full. If we elect to terminate our services for nonpayment, our engagement will be deemed to have been completed upon written notice of termination, even if we have not completed our report. The Company will be obligated to compensate us for all time expended and to reimburse us for all expenditures through the date of termination. In the event that collection procedures are required, the Company agrees to be responsible for all expenses of collection including related attorneys' fees.

Our fee estimate is based on certain assumptions. Certain circumstances may arise during the course of our procedures that could significantly affect the targeted completion date or our fee estimate, and additional fees may be necessary as a result. Such circumstances include but are not limited to the following:

- > Changes to the timing of the engagement initiated by the Company, which may require the reassignment of our personnel.
- > The Company's failure to provide all information requested by us (i) on the date requested, (ii) in the form acceptable to us, (iii) with no mathematical errors, and (iv) in agreement with the appropriate Company records.

- > Significant delays in responding to inquiries made of Company personnel, or significant changes in Company accounting policies or practices, or in the Company's accounting personnel, their responsibilities, or their availability.
- > Circumstances beyond our control.

Revisions to the scope of our work will be communicated to you and may be set forth in the form of an "Amendment to Existing Engagement Letter."

Baker Tilly's fees are exclusive of any federal, national, regional, state, provincial or local taxes, including any VAT or other withholdings, imposed on this transaction, the fees, or on Client's use of the Services or possession of the Deliverable (individually or collectively, the Taxes). All applicable Taxes shall be paid by Client without deduction from any fees owed by Client to Baker Tilly. In the event Client fails to pay any Taxes when due, Client shall defend, indemnify, and hold harmless Baker Tilly, its officers, agents, employees and consultants from and against any and all fines, penalties, damages, costs (including, but not limited to, claims, liabilities or losses arising from or related to such failure by Client) and will pay any and all damages, as well as all costs, including, but not limited to, mediation and arbitration fees and expenses as well as attorneys' fees, associated with Client's breach of this section.

We may use temporary contract staff to perform certain tasks on your engagement and will bill for that time at the rate that corresponds to Baker Tilly staff providing a similar level of service. Upon request, we will be happy to provide details on training, supervision and billing arrangements we use in connection with these professionals. Additionally, we may from time to time, and depending on the circumstances, use service providers (e.g., to act as a specialist or compile an element of the financial statements) in serving your account. We may share confidential information about you with these contract staff and service providers, but remain committed to maintaining the confidentiality and security of your information. Accordingly, we maintain internal policies, procedures and safeguards to protect the confidentiality of your personal information. In addition, we will secure confidentiality agreements with all contract staff and service providers to maintain the confidentiality of your information and we will take reasonable precautions to determine that they have appropriate procedures in place to prevent the unauthorized release of your confidential information to others. In the event that we are unable to secure an appropriate confidentiality agreement, you will be asked to provide your consent prior to the sharing of your confidential information with the contract staff or third-party service provider. Furthermore, the firm will remain responsible for the work provided by any such contract staff or third-party service providers.

To the extent the Services require Baker Tilly to receive personal data or personal information from Client, Baker Tilly may process, and engage subcontractors to assist with processing, any personal data or personal information, as those terms are defined in applicable privacy laws. Baker Tilly's processing shall be in accordance with the requirements of the applicable privacy laws relevant to the processing in providing Services hereunder, including Services performed to meet the business purposes of the Client, such as Baker Tilly's tax, advisory, and other consulting services. Applicable privacy laws may include any local, state, federal or international laws, standards, guidelines, policies or regulations governing the collection, use, disclosure, sharing or other processing of personal data or personal information with which Baker Tilly or its Clients must comply. Such privacy laws may include (i) the EU General Data Protection Regulation 2016/679 (GDPR); (ii) the California Consumer Privacy Act of 2018 (CCPA); and/or (iii) other laws regulating marketing communications, requiring security breach notification, imposing minimum security requirements, requiring the secure disposal of records, and other similar requirements applicable to the processing of personal data or personal information.

Baker Tilly is acting as a Service Provider/Data Processor, as those terms are defined respectively under the CCPA/GDPR, in relation to Client personal data and personal information. As a Service Provider/Data Processor processing personal data or personal information on behalf of Client, Baker Tilly shall, unless otherwise permitted by applicable privacy law, (a) follow Client instructions; (b) not sell personal data or personal information collected from the Client or share the personal data or personal information for purposes of targeted advertising; (c) process personal data or personal information solely for purposes related to the Client's engagement and not for Baker Tilly's own commercial purposes; and (d) cooperate with and provide reasonable assistance to Client to ensure compliance with applicable privacy laws. Client is responsible for notifying Baker Tilly of any applicable privacy laws the personal data or personal information provided to Baker Tilly is subject to, and Client represents and warrants it has all necessary authority (including any legally required consent from individuals) to transfer such information and authorize Baker Tilly to process such information in connection with the Services described herein. Client further understands Baker Tilly US, LLP and Baker Tilly Advisory Group, LP ("BTAG") will co-process Client data as necessary to perform the Services, pursuant to the alternative practice structure in place between the two entities. BTAG maintains custody of client files for both Baker Tilly US, LLP and BTAG. By executing this Engagement Letter, you hereby consent to the transfer to BTAG of all your Client files, workpapers and work product. BTAG is bound by the same confidentiality obligations as Baker Tilly US, LLP. Baker Tilly is responsible for notifying Client if Baker Tilly becomes aware that it can no longer comply with any applicable privacy law and, upon such notice, shall permit Client to take reasonable and appropriate steps to remediate personal data or personal information processing. Client agrees that Baker Tilly has the right to utilize Client data to improve internal processes and procedures and to generate aggregated/de-identified data from the data provided by Client to be used for Baker Tilly business purposes and with the outputs owned by Baker Tilly. For clarity, Baker Tilly will only disclose aggregated/de-identified data in a form that does not identify Client, Client employees, or any other individual or business entity and that is stripped of all persistent identifiers. Client is not responsible for Baker Tilly's use of aggregated/de-identified data.

Baker Tilly has established information security related operational requirements that support the achievement of our information security commitments, relevant information security related laws and regulations and other information security related system requirements. Such requirements are communicated in Baker Tilly's policies and procedures, system design documentation and contracts with customers. Information security policies have been implemented that define our approach to how systems and data are protected. Client is responsible for providing timely written notification to Baker Tilly of any additions, changes or removals of access for Client personnel to Baker Tilly provided systems or applications. If Client becomes aware of any known or suspected information security or privacy related incidents or breaches related to this agreement, Client should timely notify Baker Tilly via email at dataprotectionofficer@bakertilly.com.

Any additional services that may be requested and we agree to provide will be the subject of a separate engagement letter.

We may be required to disclose confidential information to federal, state and international regulatory bodies or a court in criminal or other civil litigation. In the event that we receive a request from a third party (including a subpoena, summons or discovery demand in litigation) calling for the production of information, we will promptly notify the Company, unless otherwise prohibited. In the event we are requested by the Company or required by government regulation, subpoena or other legal process to produce our engagement working papers or our personnel as witnesses with respect to services rendered to the Company, so long as we are not a party to the proceeding in which the information is sought, we may seek reimbursement for our professional time and expenses, as well as the fees and legal expenses, incurred in responding to such a request.

We may be required to disclose confidential information with respect to complying with certain professional obligations, such as peer review programs. All participants in such peer review programs are bound by the same confidentiality requirements as Baker Tilly and its employees. Baker Tilly will not be required to notify the Company if disclosure of confidential information is necessary for peer review purposes.

Resolution of Disagreements

In the unlikely event that differences concerning services or fees should arise that are not resolved by mutual agreement, both parties agree to attempt in good faith to settle the dispute by mediation administered by the American Arbitration Association (AAA) under its mediation rules for professional accounting and related services disputes before resorting to litigation or any other dispute-resolution procedure. Each party shall bear their own expenses from mediation.

If mediation does not settle the dispute or claim, then the parties agree that the dispute or claim shall be settled by binding arbitration. The arbitration proceeding shall take place in the city in which the Baker Tilly office providing the relevant services is located, unless the parties mutually agree to a different location. The proceeding shall be governed by the provisions of the Federal Arbitration Act (FAA) and will proceed in accordance with the then current Arbitration Rules for Professional Accounting and Related Disputes of the AAA, except that no prehearing discovery shall be permitted unless specifically authorized by the arbitrator. The arbitrator will be selected from Judicate West, AAA, Judicial Arbitration & Mediation Services (JAMS), the Center for Public Resources or any other internationally or nationally-recognized organization mutually agreed upon by the parties. Potential arbitrator names will be exchanged within fifteen (15) days of the parties' agreement to settle the dispute or claim by binding arbitration, and arbitration will thereafter proceed expeditiously. Any issue concerning the extent to which any dispute is subject to arbitration, or concerning the applicability, interpretation, or enforceability of any of these procedures, shall be governed by the FAA and resolved by the arbitrators. The arbitration will be conducted before a single arbitrator, experienced in accounting and auditing matters. The arbitrator shall have no authority to award nonmonetary or equitable relief and will not have the right to award punitive damages or statutory awards. Furthermore, in no event shall the arbitrator have power to make an award that would be inconsistent with the Engagement Letter or any amount that could not be made or imposed by a court deciding the matter in the same jurisdiction. The award of the arbitration shall be in writing and shall be accompanied by a well-reasoned opinion. The award issued by the arbitrator may be confirmed in a judgment by any federal or state court of competent jurisdiction. Discovery shall be permitted in arbitration only to the extent, if any, expressly authorized by the arbitrator(s) upon a showing of substantial need. Each party shall be responsible for their own costs associated with the arbitration, except that the costs of the arbitrator shall be equally divided by the parties. Both parties agree and acknowledge that they are each giving up the right to have any dispute heard in a court of law before a judge and a jury, as well as any appeal. The arbitration proceeding and all information disclosed during the arbitration shall be maintained as confidential, except as may be required for disclosure to professional or regulatory bodies or in a related confidential arbitration. The arbitrator(s) shall apply the limitations period that would be applied by a court deciding the matter in the same jurisdiction, including the contractual limitations set forth in this Engagement Letter, and shall have no power to decide the dispute in any manner not consistent with such limitations period. The arbitrator(s) shall be empowered to interpret the applicable statutes of limitations.

Our services shall be evaluated solely on our substantial conformance with the terms expressly set forth herein, including all applicable professional standards. Any claim of nonconformance must be clearly and convincingly shown.

Limitation on Damages and Indemnification

The liability (including attorney's fees and all other costs) of Baker Tilly and its present or former partners, principals, agents or employees related to any claim for damages relating to the services performed under this Engagement Letter shall not exceed the fees paid to Baker Tilly for the portion of the work to which the claim relates, except to the extent finally determined to have resulted from the willful misconduct or fraudulent behavior of Baker Tilly relating to such services. This limitation of liability is intended to apply to the full extent allowed by law, regardless of the grounds or nature of any claim asserted, including the negligence of either party. Additionally, in no event shall either party be liable for any lost profits, lost business opportunity, lost data, consequential, special, incidental, exemplary or punitive damages, delays or interruptions arising out of or related to this Engagement Letter even if the other party has been advised of the possibility of such damages.

As Baker Tilly is performing the services solely for your benefit, you will indemnify Baker Tilly, its subsidiaries and their present or former partners, principals, employees, officers and agents against all costs, fees, expenses, damages and liabilities (including attorney's fees and all defense costs) associated with any third-party claim, relating to or arising as a result of the services, or this Engagement Letter.

Because of the importance of the information that you provide to Baker Tilly with respect to Baker Tilly's ability to perform the services, you hereby release Baker Tilly and its present and former partners, principals, agents and employees from any liability, damages, fees, expenses and costs, including attorney's fees, relating to the services, that arise from or relate to any information, including representations by management, provided by you, Company personnel or agents, that is not complete, accurate or current, whether or not management knew or should have known that such information was not complete, accurate or current.

Each party recognizes and agrees that the warranty disclaimers and liability and remedy limitations in this Engagement Letter are material bargained for bases of this Engagement Letter and that they have been taken into account and reflected in determining the consideration to be given by each party under this Engagement Letter and in the decision by each party to enter into this Engagement Letter.

The terms of this section shall apply regardless of the nature of any claim asserted (including, but not limited to, contract, tort or any form of negligence, whether of you, Baker Tilly or others), but these terms shall not apply to the extent finally determined to be contrary to the applicable law or regulation. These terms shall also continue to apply after any termination of this Engagement Letter.

You accept and acknowledge that any legal proceedings arising from or in conjunction with the services provided under this Engagement Letter must be commenced within twelve (12) months after the performance of the services for which the action is brought, without consideration as to the time of discovery of any claim or any other statutes of limitations or repose.

Other Matters

Neither this Engagement Letter, any claim, nor any rights or licenses granted hereunder may be assigned, delegated or subcontracted by either party without the written consent of the other party. Either party may assign and transfer this Engagement Letter to any successor that acquires all or substantially all of the business or assets of such party by way of merger, consolidation, other business reorganization or the sale of interest or assets, provided that the party notifies the other party in writing of such assignment and the successor agrees in writing to be bound by the terms and conditions of this Engagement Letter.

Our dedication to client service is carried out through our employees who are integral in meeting this objective. In recognition of the importance of our employees to Baker Tilly, it is hereby agreed that the Company will not solicit our employees for employment or enter into an independent contractor arrangement with any individual who is or was an employee of Baker Tilly for a period of twelve (12) months following the date of the conclusion of this engagement. If the Company violates this nonsolicitation clause, the Company agrees to pay to Baker Tilly a fee equal to the hired individual's annual salary at the time of the violation so as to reimburse Baker Tilly for the costs of hiring and training a replacement.

The services performed under this Agreement do not include the provision of legal advice and Baker Tilly makes no representations regarding questions of legal interpretation. Client should consult with its attorneys with respect to any legal matters or items that require legal interpretation under federal, state or other type of law or regulation.

Baker Tilly US, LLP and Baker Tilly Advisory Group, LP and its subsidiary entities provide professional services through an alternative practice structure in accordance with the AICPA Code of Professional Conduct and applicable laws, regulations and professional standards. Baker Tilly US, LLP is a licensed independent CPA firm that provides attest services to clients. Baker Tilly Advisory Group, LP and its subsidiary entities provide tax and business advisory services to their clients. BTAG and its subsidiary entities are not licensed CPA firms.

Baker Tilly Advisory Group, LP and its subsidiaries and Baker Tilly US, LLP, trading as Baker Tilly, are independent members of Baker Tilly International. Baker Tilly International Limited is an English company. Baker Tilly International provides no professional services to clients. Each member firm is a separate and independent legal entity and each describes itself as such. Baker Tilly Advisory Group, LP and Baker Tilly US, LLP are not Baker Tilly International's agents and do not have the authority to bind Baker Tilly International or act on Baker Tilly International's behalf. None of Baker Tilly International, Baker Tilly Advisory Group, LP, Baker Tilly US, LLP, nor any of the other member firms of Baker Tilly International has any liability for each other's acts or omissions. The name Baker Tilly and its associated logo is used under license from Baker Tilly International Limited.

This Engagement Letter and any applicable online terms and conditions or terms of use ("Online Terms") related to online products or services made available to Company by Baker Tilly ("Online Offering") constitute the entire agreement between the Company and Baker Tilly regarding the services described in this Engagement Letter and supersedes and incorporates all prior or contemporaneous representations, understandings or agreements, and may not be modified or amended except by an agreement in writing signed between the parties hereto. For clarity and avoidance of doubt, the terms of this Engagement Letter govern Baker Tilly's provision of the services described herein, and the Online Terms govern Company's use of the Online Offering. This Engagement Letter's provisions shall not be deemed modified or amended by the conduct of the parties.

The provisions of this Engagement Letter, which expressly or by implication are intended to survive its termination or expiration, will survive and continue to bind both parties, including any successors or assignees. If any provision of this Engagement Letter is declared or found to be illegal, unenforceable or void, then both parties shall be relieved of all obligations arising under such provision, but if the remainder of this Engagement Letter shall not be affected by such declaration or finding and is capable of substantial performance, then each provision not so affected shall be enforced to the extent permitted by law or applicable professional standards.

If because of a change in the Company status or due to any other reason, any provision in this Engagement Letter would be prohibited by, or would impair our independence under laws, regulations or published interpretations by governmental bodies, commissions or other regulatory agencies, such provision shall, to that extent, be of no further force and effect and this agreement shall consist of the remaining portions.

This agreement shall be governed by and construed in accordance with the laws of the State of Wisconsin, without giving effect to the provisions relating to conflict of laws.

Matt Schuenke
Village of McFarland

October 17, 2024
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We appreciate the opportunity to be of service to you.

If there are any questions regarding the Engagement Letter, please contact Jodi Dobson, the professional on this engagement who is responsible for the overall supervision and review of the engagement and for determining that the engagement has been completed in accordance with professional standards. Jodi Dobson is available at 608 240 2469.

Sincerely,

BAKER TILLY US, LLP

Baker Tilly US, LLP

The services and terms as set forth in this Engagement Letter are agreed to by:

Official's Name

Official's Signature

Title

Date