

AGENDA
BOARD OF PUBLIC WORKS MEETING
Tuesday, February 28, 2023 at 6:00 p.m.
Jackson Municipal Complex
Village Board Room
N168W19851 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call
2. Approval of the Board of Public Works Minutes of January 31, 2023
3. Water Service Request – Derek Strohm – Tax Key No. T7-0744 - Mill Road
4. Review of Village Code Mailbox Policy
5. Review of Rate Increase for Jackson Sewer and Water Utilities
6. Resolution 23-04 Establishing Rates for Septic and Holding Tank Waste
7. Pay Request #1 – STH 60 Utility Upgrade Project
8. Pay Request #5 – Willow Ridge Dr Reconstruction Project
9. Director of Public Works Report
10. Citizens/Village Staff to address the Board
11. Adjourn

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Administration Department at the Jackson Municipal Complex at least one (1) business day prior to the meeting.

It is possible that members of the Village Board may attend the above meeting. No action will be taken by any governmental body at this meeting other than the governmental body specifically referred to in this meeting notice. This notice is given so that members of the Village Board may attend the meeting without violating the open meeting law.

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, January 31, 2023 at 6:00 p.m.
Jackson Municipal Complex
Village Board Room
N168W19851 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call

Chair Tr. Heckendorf called the meeting to order at 6:00 p.m.

Members Present: Tr. Engelhardt, Sarah Malchow, Tr. Matter, Jeff Mitchell, and Chris Sberna

Member Excused: Tim Meffert

Parks and Recreation Committee Members Present: Chair Casey Latz, Brian Mekka, Brittany Rathke and Sue Rank

Staff Present: Utility Supervisor Jeff Deitsch, Recreation Supervisor Renee Fisher, Administrator Jen Keller, Director of Public Works Brian Kober, Parks & Recreation Director Kelly Valentino and Clerk Jilline Dobratz

Also Present: Lucas Geiger and Emma Watson of MSA, Greg Droessler of Town & Country Engineering

2. Approval of the Board of Public Works Minutes of November 29, 2022

Motion by Tr. Heckendorf, second by Tr. Engelhardt to approve the Board of Public Works minutes of November 29, 2022.

Vote: 6 ayes, 0 nays. Motion carried.

3. Hasmer Lake Park Master Plan, Concept & Community Survey Results (MSA)

Lucas Geiger gave background information and survey updates. Concept plans were reviewed. Discussion ensued on; ADA accommodations, parking concerns and bathrooms.

4. Pickleball Court Project Bids – Review and Recommendation

Director Kober gave information on the three project bids that were received and how the project will be funded.

Motion by Tr. Heckendorf, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve the Pickleball Court Project contract in the amount of \$403,206.60 from Vinton Construction Company.

Vote: 6 ayes, 0 nays. Motion carried.

5. STH 60 (Main Street) Streetlight Project – Review and Recommendation

Director Kober explained the current streetlights are owned and operated by We-Energies and they will not be replaced before the DOT reconstruction project. The project would include reducing the number of poles. There are two vendors in which final costs on the poles and fixtures are forthcoming. After poles and fixtures are selected, the installation of the project will be sent out for bid. The final quotes from the last two vendors will be reviewed at the next Budget & Finance and Village Board meeting.

6. Cedar Run Dog Park Project Concept – Review and Recommendation

Parks and Recreation Director Valentino stated from the Hasmer Lake Park Plan Public Information Community Survey, there is a need for having a dog park. The creation of a Dog Park was in the 2021 Parks, Recreation and Open Space Plan. Cedar Run Park has base requirements to create the park and the Village owns it.

Motion by Tr. Engelhardt, second by Sarah Malchow to recommend Village Board approve a Request for Proposals for design and engineering for the Cedar Run Dog Park Project Concept.

Vote: 6 ayes, 0 nays. Motion carried.

(Note: a pause was taken at 7:15 p.m. for the Parks & Recreation Commission to leave and continue meeting. Tr. Engelhardt left to attend.)

7. Resolution 23-04 Establishing Rates for Septic and Holding Tank Waste

Director Kober commented a rate study was started two years ago and has been completed. Professional Engineer Greg Droessler reviewed the study. Discussion ensued on grease problems and costs .

Motion by Tr. Heckendorf, second by Sarah Malchow to refer Resolution 23-04 Establishing Rates for Septic and Holding Tank Waste to the next Board of Public Works meeting.

Vote: 5 ayes, 0 nays. Motion carried.

8. Engineering Service – WWTP Phase 1 Upgrade Project – Town & Country

Director Kober provided a brief update. Professional Engineer Greg Droessler gave project information on the upgrades including a generator.

Motion by Tr. Heckendorf, second by Chris Sberna to recommend Budget & Finance and Village Board approve Engineering Service – WWTP Phase 1 Upgrade Project – Town & Country in an amount not to exceed \$405,000.00.

Vote: 5 ayes, 0 nays. Motion carried.

Tr. Engelhardt returned to the meeting at 7:43 p.m.

9. Change Order #1 – 2021 Willow Ridge Drive Reconstruction Project

Director Kober explained the change order, pay request, reduction of retainage and lawn restoration to close out the project.

Motion by Tr. Heckendorf, second by Sarah Malchow to recommend Budget & Finance and Village Board approve Change Order #1 – 2021 Willow Ridge Drive Reconstruction Project in the amount of \$226.26.

Vote: 6 ayes, 0 nays. Motion carried.

10. Preliminary Assessment for STH 60 2023 Utility Upgrade Project

Director Kober reviewed special assessments, water main change, pipe bursting and amending the contract.

Motion by Tr. Heckendorf, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve Preliminary Assessment for STH 60 2023 Utility Upgrade Project.

Vote: 6 ayes, 0 nays. Motion carried.

11. Review of New Natural Gas Generator at Public Works Building

Utility Supervisor Deitsch gave information on the three bids. It will take 26 weeks to receive the generator.

Motion by Tr. Engelhardt, second by Tr. Matter to recommend Budget & Finance and Village Board approve Natural Gas Generator at the Public Works Building from JRB Electric, Inc. in the amount of \$62,400.00.

Vote: 6 ayes, 0 nays. Motion carried.

12. Review of Quote for Purchase of Mini Excavator

Utility Supervisor Deitsch explained uses of a mini excavator, efficiencies, and warranty.

Motion by Tr. Matter, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve the quote for purchase of the Mini Excavator from Takeuchi TB250-2 not to exceed \$78,431.00.

Motion amended by Tr. Matter, second by Tr. Engelhardt to recommend Budget & Finance and Village Board approve the quote for purchase of the Mini Excavator from Takeuchi TB250-2 not to exceed \$85,800.00.

Vote: 6 ayes, 0 nays. Motion carried.

13. Discussion on Lakeside International 2024 and 2025 New Truck Commodity Surcharges

Director Kober commented a down payment is not required. This is to put the Village on the list of purchasing and then would be informed of when the truck becomes available.

Letter of intent with a right of refusal. Discussion ensued on future RFPs for pricing.

Motion by Sarah Malchow, second by Tr. Engelhardt to recommend to Village Board accept the letter of intent from Lakeside International 2024 and 2025 New Truck Commodity Surcharges and seek other options.

Vote: 6 ayes, 0 nays. Motion carried.

14. Director of Public Works Report

Director Kober explained the report authored for the review of the Board.

Motion by Tr. Heckendorf, second by Tr. Engelhardt to place the Director of Public Works Report on file.

Vote: 6 ayes, 0 nays. Motion carried.

15. Citizens/Village Staff to Address the Board

None.

16. Adjourn

Motion by Tr. Heckendorf, second by Tr. Engelhardt to adjourn.

Vote: 6 ayes, 0 nays. Meeting was adjourned at 8:45 p.m.

Respectfully submitted,

Jilline Dobratz, *MMC/WCPC*
Village Clerk

Memo

To: Board of Public Works

From: Brian W. Kober, P. E., Director of Public Works 

Subject: Town of Jackson Water Expansion Area – Water Service Request
Derek Strohm – Mill Road

Date: February 23, 2023

CC: Village Board

The Jackson Water Utility has received an application for a new water service request located in the Town of Jackson Water Expansion Area. The water service request is for a proposed new single-family residence located on Mill Road with no construction start date. The purchase of the land is subject to receiving a water connection.

After reviewing the design and the water demand of the request, the calculation of pressure available for uniform loss is 48.14 psi which meets the standard set by the PSC (Public Service Commission) and the DNR (Department of Natural Resources). Although, a house plan does not exist, and the water calculation was created by assumptions. A new water loss calculation worksheet will have to be resubmitted once final plans exist.

The Jackson Water Utility has completed a capacity study of the “Expanded Water System”. The study identified a maximum number of available connections for the system. We have ten connections left to offer for the area, until the system would have to be upgraded to allow more connections.

The past practice is to grant approval through a resolution process for one year period. If the connection is not made, the property owner would have to re-apply for a new water connection.

If you have any questions, please let me know.

Brian W. Kober, P.E.

Jackson Water Utility
Application for Connection to Water System

Name of Property Owner: Derek Ström

Phone Number: 920-723-1296

Email: derekstrom@gmail.com

Description of Property: rural/residential

Address of Property: mill Rd Sec 28, T10N, R20E, P10S NW 5E Doc 1550465

Tax Key Number: T7 0744

Size of Property: 10.980 Acres

Description of Use on Property: New Home

Water Usage (gallons per day): 300 gal / Day

Size of Water Service (Diameter in inches; Length in feet): 3" - 1,029.56

Size of Valves on Lateral (inches): 3"

Type of material of Lateral: HDPE

Submit Location Map (showing lateral, water main, road right of way, valve, and connection to use):

Describe method for installation of lateral: Trenching + backfilling

Time/Schedule of Installation: ~~1 day~~ - 1 year

Name of Contractor for installation: Owner Phone #: 920-723-1924

Note: 1) A Village plumbing permit is required for the installation. Please contact the Village of Jackson Building Inspection Department at 262-677-9696.

2) Payment of all impact, connection, permit, and meter fees prior to installation.

3) An inspection is required, please call 262-677-9696 to schedule an appointment.

Signature of Applicant: 

Date: 2-24-2023

Jackson Water Utility Approval: _____

Date: _____

WATER CALCULATION WORKSHEET FOR

Derck Strohm mill Rd 0744

NAME/ADDRESS OF PROJECT

INFORMATION REQUIRED TO CALCULATE WATER SERVICE SIZE

- | | | | |
|--|--|--------------|----------------|
| 1. Demand of building in gallons per minute. | WSFU's <u>42.50</u> | 1.a. = (GPM) | <u>26.00</u> |
| 2. Difference in elevation from main to external pressure tank or to building control valve. | | (feet) | <u>45.33</u> |
| 3. Size of the water meter. (when applicable) | <u>5/8</u> <u>3/4</u> <u>1</u> <u>X</u> <u>1.5</u> <u>2</u> Inch | | |
| 4. Developed length from main or external pressure tank to building control valve. | | (feet) | <u>1029.56</u> |
| 5. Low pressure at main in street or external pressure tank. | | (psig) | <u>62.50</u> |

CALCULATE WATER SERVICE PRESSURE LOSS

- | | | |
|--|--------------|--------------|
| 6. Low pressure at main in street or external pressure tank. (value of #5 above) | | <u>62.50</u> |
| 7. Water service diameter is <u>3.00"</u> Material is <u>HDPE</u> | | |
| Pressure loss per 100 ft. = <u>0.15</u> p.s.i. X <u>10.2956</u> | | <u>1.54</u> |
| (decimal equivalent of service length, i.e. 65ft = 0.65) (Subtract line 7. From line 6.) | subtotal | <u>60.96</u> |
| 8. Determine pressure gain or loss due to elevation. (multiply the value of #2 above by 0.434) | value of "8" | <u>19.67</u> |
| 9. Available pressure after the bldg. Control valve. (subtract or add line 8. Enter in "B".) | subtotal | <u>41.28</u> |

CALCULATE THE PRESSURE AVAILABLE FOR UNIFORM LOSS (VALUE OF "A")

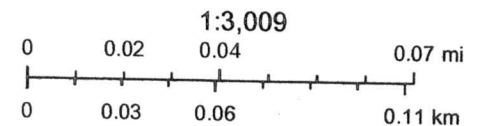
- | | | |
|---|------------------------|---------------|
| B. Available pressure after the building control valve. (from "9" above) | value of "B" | <u>41.28</u> |
| C. Pressure loss of water meter. (when meter is required or installed) | value of "C" | <u>4.00</u> |
| (subtract line C. From B.) | subtotal | <u>37.28</u> |
| D. Pressure at controlling fixture. | value of "D" | <u>20.00</u> |
| (controlling fixture is <u>BATHTUB VALVE</u>) | subtotal | <u>17.28</u> |
| (subtract the value of D.) | | |
| E. Difference in elevation between the building control valve and the controlling fixture in feet <u>15.00</u> X <u>0.434</u> psi/ft. | value of "E" | <u>6.51</u> |
| (subtract the value of E.) | subtotal | <u>10.77</u> |
| F. Pressure loss due to water treatment devices, and backflow preventers which serve the controlling fixture. | | |
| Pressure loss due to <u>NA</u> (subtract the value of F) | value of "F" | <u>0.00</u> |
| | subtotal | <u>10.77</u> |
| G. Developed length from building control valve to controlling fixture in feet X <u>50.00</u> 1.5 | Divide by value of "H" | <u>75.00</u> |
| (Water distribution piping material is <u>HDPE</u>) (divide by the value of G.) | subtotal | <u>0.14</u> |
| (multiply by 100) | | <u>100.00</u> |
| A. Pressure available for uniform loss | "A" = | <u>14.36</u> |

Village of Jackson



2/22/2023, 3:08:33 PM

IM20_5K-3_1220_S.sid Blue: Band_3 Green: Band_2 IM20_5K-3_1219_S.sid Blue: Band_3
 Red: Band_1 IM20_5K-3_1220_N.sid Blue: Band_3 Red: Band_1 IM20_5K-3_1219_N.sid
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Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA,

0744 MILL RD.

1. CONNECT TO EXISTING PLUMBING IN MECHANICAL ROOM AT GRADE.
2. AVOID LANDSCAPING, PIPING AND UNDERGROUND UTILITIES, INCLUDING IRRIGATION SYSTEM NEAR HOME.
3. COORDINATE WITH OWNER TO MINIMIZE DISRUPTION TO FIELD CROPS.

2.5"ID/ 3"OD**1.25"ID/ 1.5"OD**



Water Utility Capacity Analysis

Analysis of Water Distribution and Transmission System

Village of Jackson, Wisconsin

November 2019



November 21, 2019

Brian Kober, P.E.
Director of Public Works / Village Engineer
Village of Jackson
N168 W20733 Main St.
Jackson, WI 53037

Re: Water Utility Master Plan Update

Brian,

Thank you for the opportunity to develop a capacity analysis of the water supply and distribution system for the Village of Jackson Water Utility.

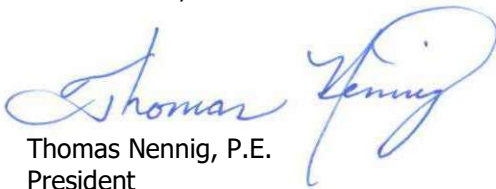
- Existing System Capacity
- System Expansion in Town of Jackson
- Future Infrastructure Improvements

This report is a working document that contains our analysis and constructive comments and suggestions from you and your staff. This report is meant as a planning tool for management and utility staff.

We greatly appreciate your time and cooperation with helping us complete this report. Please contact me if you have any questions or comments regarding this report.

Sincerely

CITY WATER, LLC



Thomas Nennig, P.E.
President



Eric Fulsaa
Project Engineer

Table of Contents

Introduction.....	1
Background	1
Project Scope	1
Water Demands & Supply	2
Water Demand Update.....	2
Projected Water Demands.....	3
Supply Capacity	4
Town of Jackson	6
Hydraulic Constraints	6
Peak Hour Demand	6
Fire Flow Demands	6
Summary & Recommendations	9
Summary	9
Recommendations	9
Intergovernmental Agreement for Limited Water Service.....	12
LWSA Service Connections.....	32

Introduction

BACKGROUND

In 2016, City Water LLC completed a water analysis report for the Village of Jackson. This report amended the report completed in 2006.

Since the 2016 update, the Village of Jackson has requested a further update, specifically into the expansion into the Town of Jackson. This next update will be used to guide the development of the Utility into the future, as well as establish guidelines for maximum capacity buildout in the Town of Jackson Limited Water Service Area (LWSA) that supplies water to the town residents impacted by the gas spill in 2012.

PROJECT SCOPE

The Village of Jackson requested the following items addressed in the study:

- Update annual water produced and sold since the Utility Master Plan completed in 2016
- Assign customer classifications and proposed water demands per classifications
- Add future water demand projects and water main extensions into the existing water model to identify the future average day, maximum day, and peak hour demands
- Calculate the maximum number of connections that can be served in the Town of Jackson with current infrastructure
- Using insights gained in the demand analysis, develop a summary report that provides recommendations for the Village's water supply and distribution system expansion



SECTION 2

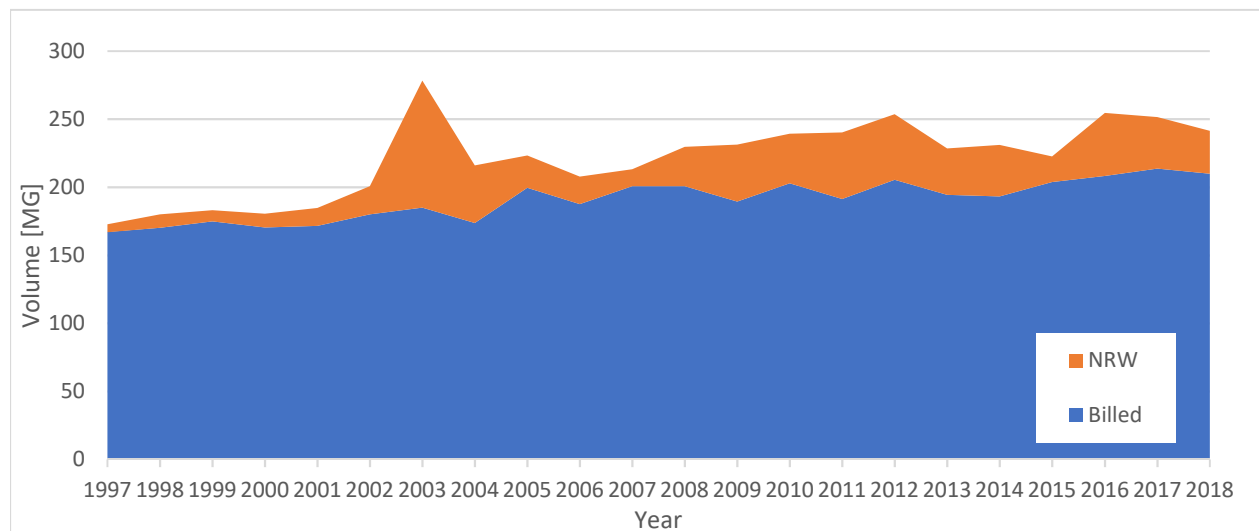
Water Demands & Supply

Except as otherwise described in this document, the conclusions drawn regarding population and growth projections in the 2016 update remained valid for this update. There have been no large changes to the population currently being served, as well as no anticipated deviations from the projections made in 2016. The total population served remains 9,485 in 2035.

WATER DEMAND UPDATE

The updated annual water produced and sold can be found in Figure 1. The revenue water continued the trend of steady increase observed in the previous update. The average annual increase in water produced was 1.9% for the period shown. The past two years continue the same pattern, with total pumpage decreasing as billed usage increases slightly.

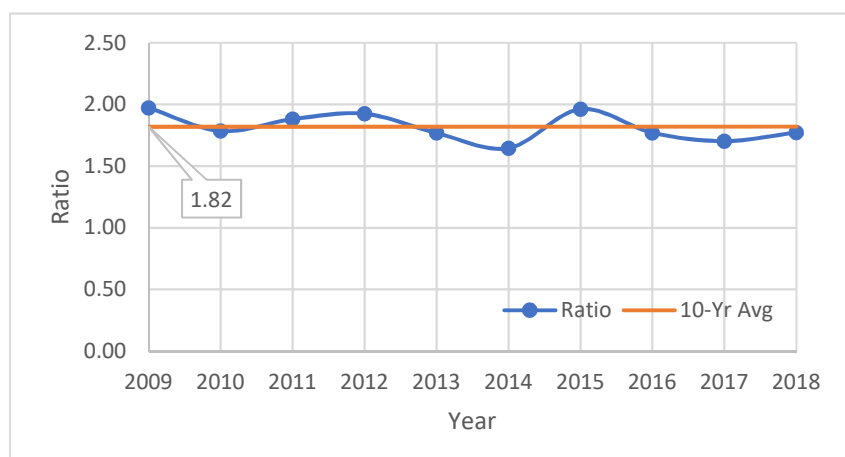
Figure 1 - Annual Water Produced and Sold



*NRW: Non-Revenue Water

Even with updates for the previous 2 years, the maximum day water usage remained from August of 2008 due to hot, dry weather. In the past 10 years, the maximum day has not risen over 1.3 MG. The updated maximum day to average day ratio over the past 10 years is shown in Figure 2. The ratio has varied between 2.0 and 1.65 with an average of 1.82. For the purposes of water demand estimation and modeling,

Figure 2 - Max Day/Avg Day Ratio



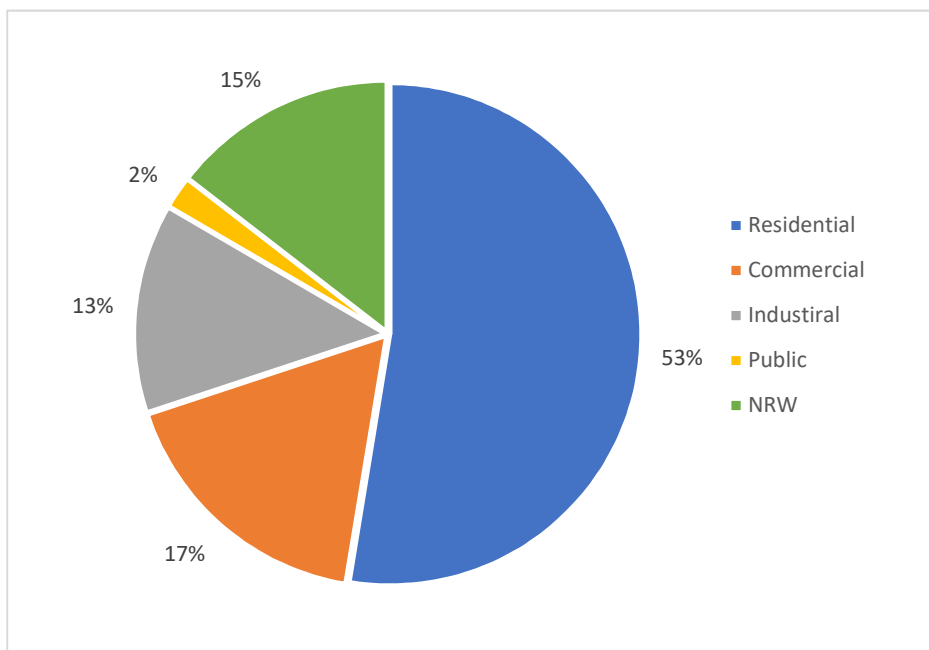
a maximum day to average day ratio of 2.0 will be used as a conservative estimate.

The difference between water produced and water sold is categorized as non-revenue water (NRW). Non-revenue water consists 3 types of water use:

- Authorized use – water used for treatment, flushing, firefighting
- Real losses – main and service leaks, theft
- Apparent losses – billing errors, meter inaccuracies

In the past 2-3 years, the percent of NRW has increased from a 10-yr low in 2015 of 8.5%. Over the past decade, the amount of NRW has averaged 15.9%. This is largely attributed to increased service leaks, as well as water pumped to waste in Well 6. Figure 3 shows the water consumption by customer classification, along with NRW from 1998-2018. This has remained unchanged in the past 2 years.

Figure 3 - Water Consumption 1998-2018



PROJECTED WATER DEMANDS

Future population and water demands remain unchanged in this update compared to the 2016 Water Analysis Report Update. There have been no changes to the proposed future service area, and the population projections and per capita water usage has followed the projected trends. As a refresher, Table 1 contains the projected average and maximum day water demands. A ratio of 2.0 was used to calculate maximum day demand, which is conservative given the observed trends in the past decade. A record of actual maximum and average day demands should be charted to aid in the sizing and phasing of future water supply facilities.



Table 1 - Projected Population and Water Demands

Year	Population	Avg Day Demand [MG]	Max Day Demand [MG]	Max Day Demand [gpcd]
2000	4,938	0.493	0.986	199.68
2005	5,885	0.612	1.130	192.01
2010	6,438	0.656	1.170	181.73
2015	6,802	0.610	1.197	175.98
2020	7,740	0.712	1.424	183.98
2025	8,435	0.745	1.490	176.64
2035	9,485	0.798	1.596	168.27

Developing a proposed maximum number of connections in the Town of Jackson Limited Water Service Area (LWSA) will be discussed later in this report. Demands were calculated on a per connection basis. As most proposed developments or future connections in the Village will be residential, residential water usage data was compiled for the past 3 years. Table 2 shows the residential customer usage for the past 3 years. The average day usage per customer is 117 gallons. This would equate to a maximum day consumption of 235 gallons per customer.

Table 2 - Residential Customer Usage

	Residential Connections	Annual Consumption [kgal]	Avg Daily Consumption [gal/conn]	Connection Avg Flowrate (gpm)	Peak Flowrate [gpm/conn]
2016	2,958	127,372	118	0.08	
2017	3,018	129,803	118	0.08	
2018	3,089	129,922	115	0.08	
Avg	3,022	129,032	117	0.08	2

As displayed in Table 2, the average day flowrate per residential connection is 0.08 gpm. Using the maximum day to average day ratio of 2.0, residential customers average only 0.16 gpm during the maximum day. In actuality, no residential connection would use such a low flow rate constantly throughout the day. Instead, usage tends to occur in sporadic bursts when appliances are running, flushing a toilet, washing clothes, or taking a shower. Residential usage tends to be condensed to a peak flow in the early morning, and a second peak in the evening hours. Therefore, for modeling purposes, 2.0 gpm was used as the peak water flow rate per residential connection.

SUPPLY CAPACITY

The total supply capacity of all 5 wells in service is 4,220 gpm. With Well #4 (the largest) out of service, the firm capacity of the current system is 3,020 gpm or just over 4.3 MGD. The system also has two elevated storage tanks in the main pressure district that have a combined capacity of 700,000 gallons.

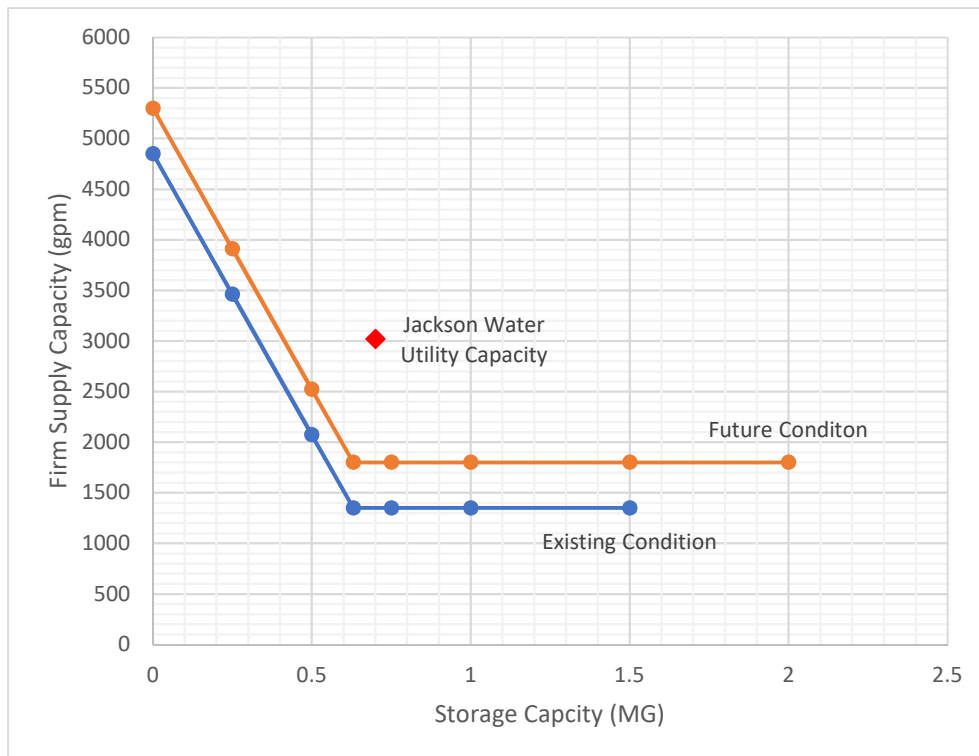


When evaluating the adequacy of the existing supply and storage facilities, the following criteria should be met:

- Water supply facilities should be able to meet future maximum day demand (peak hourly flow)
- Total storage and firm supply capacity of the system should meet a fire flow need (3,500 gpm for a 3-hour duration) during maximum day demand conditions (peak hourly flow)

The amount of storage required for the water system is inversely related to the available supply capacity; as the supply capacity increases, the amount of storage required decreases. This inverse relationship can be seen in Figure 4. The curve was developed based on existing and future peak hour demand (1,350 gpm and 1,800 gpm) and a required fire flow of 3,500 gpm for 3 hours.

Figure 4 - Supply & Storage Curve



A point on the graph is plotted that represents the existing firm supply (3,020 gpm) and storage capacity (0.7 MG). This point should fall on or above the supply-storage curves for existing and future conditions. This indicates the Village of Jackson has sufficient supply and storage to operate.



Town of Jackson

In 2014, the Jackson Water Utility added a substantial amount of water main to serve the residents of the Town of Jackson. This was in response to a gasoline spill from a pipeline. The Jackson Water Utility owns, operates, and maintains the water main fronting all impacted properties, however, not every resident has opted to connect to the Utility. Per the "Intergovernmental Agreement Regarding Provision of Limited Water Service" (Appendix B), there were 151 original approved locations. Only 139 properties opted to connect of the initial 151. See Appendix A for the complete listing of properties currently connected. The Village is looking to evaluate the current system and determine the maximum customers that can be connected.

HYDRAULIC CONSTRAINTS

There are several bottlenecks in the distribution system that impact the supply capacity to the LWSA. The most obvious constraint is the single 350' long, 12-inch diameter PVC watermain connecting the Village to the LWSA. Using a velocity constraint of 5 fps at peak hour demand, the capacity of this single feed is 1760 gpm during peak usage.

The second system constraint is the river crossings to the northwest of the LWSA. Currently, there are two crossings, one (1) 8-inch diameter PVC and one (1) 12-inch diameter DI watermain. The peak hour capacity of the 12-inch pipe is also 1760 gpm, while the 8-inch pipe can supply only 760 gpm. The firm capacity of the distribution system and the LWSA southeast of the river is only 390 gpm for normal peak hour demands (no emergency situations such as a water main break or a fire demand). Figure 5 shows both the LWSA and river crossing constraint locations.

PEAK HOUR DEMAND

The system constraints established a solid starting position to model and simulate. The end goal of the software hydraulic modeling was to establish the maximum peak hour flow to the LWSA at which the pressure at any customer meter did not drop below 20 psi per Public Service Commission Rules (PSC 185.82). In general, this requires the pressure in the distribution main to not be less than 35 psi, which follows Wisconsin Department of Natural Resources Rules (NR 811.66). To ensure these conditions were met, many of the existing laterals were included in the model. Actual lateral diameters were obtained from the Jackson Water Utility records. Figure 5 shows modeled laterals in green. However, the two laterals serving the highest, most remote locations from the main were the limiting factors in the modeling. The locations of these laterals are illustrated in Figure 5.

FIRE FLOW DEMANDS

A major goal of the "Intergovernmental Agreement Regarding Provision of Limited Water Service," between the Village and Town of Jackson was to replace the water that was lost due to the pipeline spill, but not to provide fire flow capacity to the LWSA. However, examining the fire flow capacity of the LWSA is necessary for the proper operation of the LWSA. The assumptions and conditions made for this simulation were maintaining a minimum of 20 psi at all water main locations. Using these assumptions, the minimum supported fire flow demand is 525 gpm. The overall range of fire flow demand varies from 525-1,410 gpm. However, the model does not consider pressures at the customer meter; in all cases, the fire flow demand drops static pressures in the two limiting laterals to 8-14 psi. In other words, in an emergency, the system can handle the required 500 gpm per DNR Rules (NR 811.70(6)) but risks dropping supply pressure to customers during a fire flow event.



MAXIMUM FUTURE CONNECTIONS

While it would appear that the single 12-inch feed to the LWSA is the limiting factor, the actual limiting factor is the two river crossings. These crossings feed not only the LWSA, but also existing Village of Jackson customers SE of the river. The total capacity SE of the river (Village residents and LWSA) is 2,540 gpm. However, we must take into account the minimum fire flow requirement of 500 gpm, which limits domestic usage to 2,040 gpm. Using a peak usage factor of 2 gpm/conn, this equates to 1,020 connections.

When determining the maximum future connections in the LWSA it is necessary to consider existing Village customers, existing LWSA customers, and proposed future Village developments. When the river crossings were installed, they were sized and designed considering the future buildout within the Village limits SE of the river. While these connections are not currently present, they are reserved and set aside per the original design intentions. Table 3 shows the existing and reserved connections SE of the River. Currently there are 1,005 connections present or reserved. This leaves only 15 connections remaining to be added in the LWSA.

Table 3 - Current Connection Breakdown

Customer Group	# of Connections
Existing Village Connections	565
Future Maplewood Farms Connections	125
Reserved Village Connections	164
Approved LWSA Connections	151
Total Existing & Reserved	1,005
Remaining LWSA Connections	15



River Crossings
(middle crossing inactive)

12" Conn to LWSA

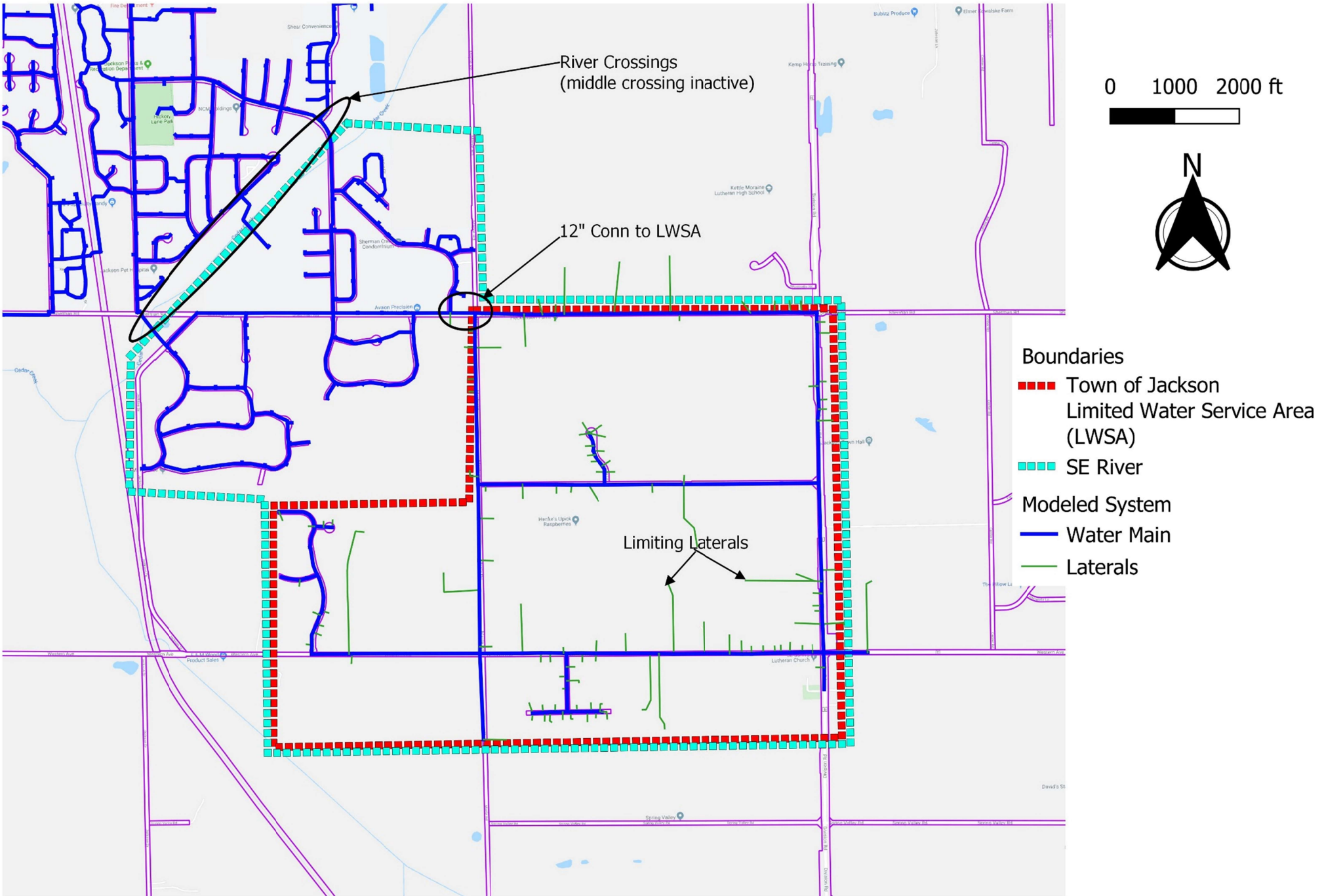
Limiting Laterals

Boundaries

- Town of Jackson Limited Water Service Area (LWSA)
- SE River

Modeled System

- Water Main
- Laterals



Summary & Recommendations

SUMMARY

There are several conclusions that can be made from the project analysis and hydraulic modeling of the LWSA:

1. The Jackson Water Utility currently has adequate water supply capacity to serve the distribution system, both currently and into the reasonably foreseeable future. Similarly, the available storage is adequate to supply the existing and projected maximum day conditions.
2. There are two significant limitations for water supply and service in the LWSA. The presence of several lengthy laterals serving properties at the highest elevation in the zone limits the capacity of the LWSA. The main other significant limitation is the entire LWSA is fed through a 350' single 12-inch diameter main. This contributes to the pressure issues experienced at remote customers; it also reduces the reliability of water supply to the entire LWSA. If a main break were to occur on the single feed main, the entire zone would be out of water and possibly subjected to a boil water notice.
3. The LWSA can meet the DNR required fire flows of 500 gpm at all locations during the modeled peak hour conditions.
4. Modeling results indicate a maximum total water flow for the area SE of the river of 2,540 gpm. Removing the 500gpm fire flow requirement results in a total domestic water flow availability of 2,040. The domestic water flow available equates to 1,020 connections. There are currently 1,005 existing and reserved connections in the area SE of the River. This leaves only 15 future water service connections available in the LWSA.
5. Included in this report are recommendations to improve the supply capacity of the LWSA. However, the Village is under no legal responsibility to undertake the costly corrective projects listed below. Whether to do so is left to the legislative discretion of the Village Board. These projects include installation of additional connections and system looping to service the LWSA. Until these projects occur, the Village's approval of future connections to the LWSA must be made on a case-by-case basis considering the supply constraints outlined in this report.

RECOMMENDATIONS

Included below are recommendations to improve the supply capacity, pressure and fire flow of the LWSA. Additional recommendations are given to help refine the study and provide better information to analyze the maximum capacity of the LWSA. Figure 6 shows locations of the modeled improvements.

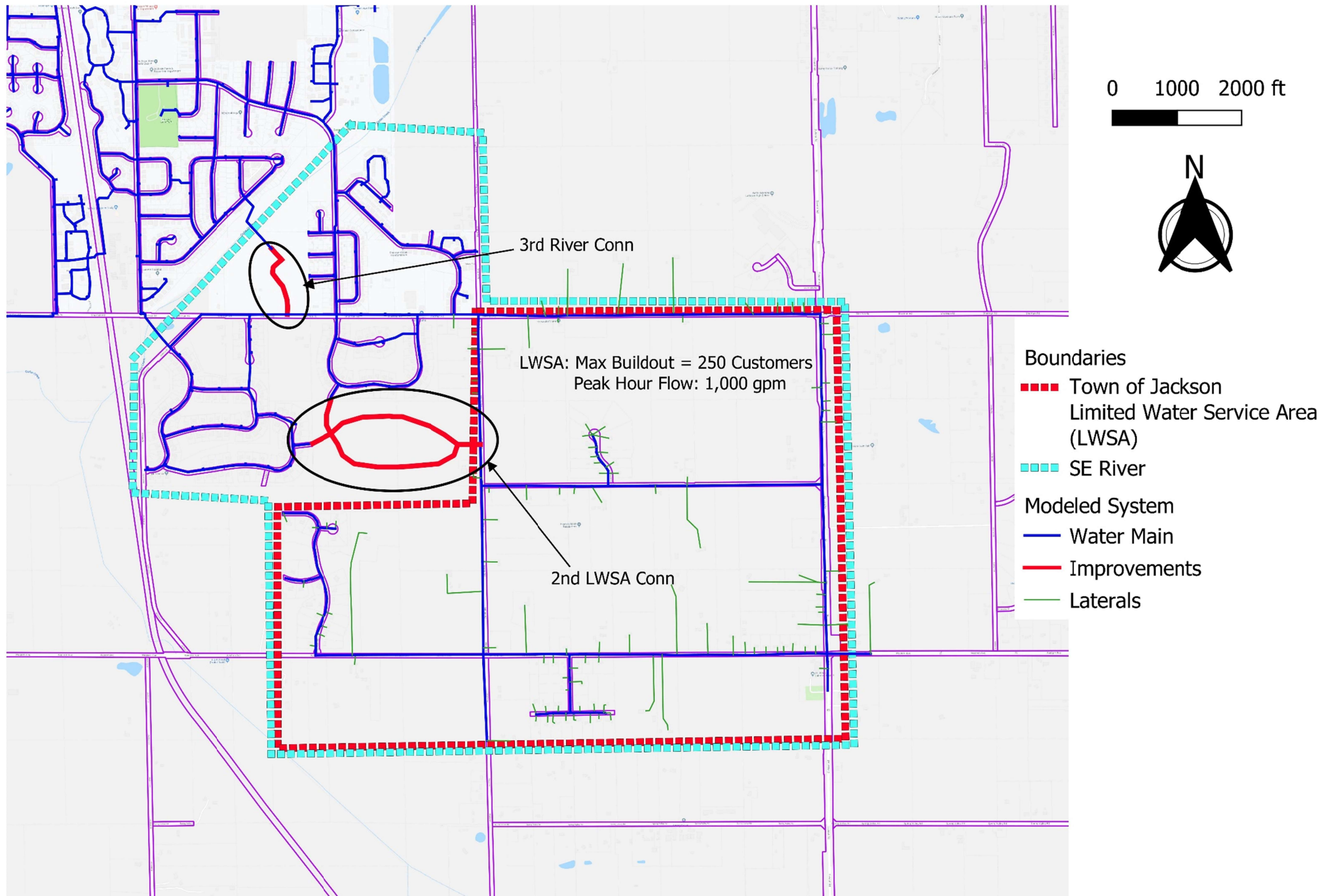
1. Provide Second Connection to Contamination Zone: Providing a second connection to the LWSA would increase service reliability in the case of a main break on the current single feed main. The second connection would also provide increased fire flow; it would add anywhere from 70-350 gpm of fire flow throughout the LWSA.
2. Connect Third River Crossing: Connecting the third river crossing to the distribution system would benefit the Utility customers by improving reliability of the distribution system and providing additional capacity to the area SE of the River, although it is not required. Evaluating only the improvements to fire flow, the third river crossing could add 50-400 gpm of fire flow capacity throughout the LWSA. The combination of the third river crossing and the second LWSA connection adds fire flow capacity of approximately 120-1,000 gpm throughout the LWSA.
3. Virtual Flowmeter: Create a virtual flowmeter within the Utility's AMI system for all customer accounts that are located SE of the river crossing, and for the customers within the LWSA. The virtual



flowmeter can be monitored on a monthly, daily, and hourly basis to help determine the actual average day, maximum day, and peak hour flow rates per connection. This refinement will not affect the modeling results but may change the maximum total residential connections available in the LWSA.



Figure 6



Intergovernmental Agreement for Limited Water Service



INTERGOVERNMENTAL AGREEMENT REGARDING PROVISION OF LIMITED WATER SERVICE

THIS INTERGOVERNMENTAL AGREEMENT REGARDING PROVISION OF LIMITED WATER SERVICE (this "Agreement") is made and effective as of MARCH 13, 2014, by and between the Village of Jackson, a village under chapter 61 of the Wisconsin Statutes and the laws of the State of Wisconsin (the "Village"), and the Town of Jackson, a town under chapter 60 of the Wisconsin Statutes and the laws of the State of Wisconsin (the "Town").

RECITALS

A. The Village and the Town entered into a Revenue Sharing Agreement and Cooperative Boundary Plan in 1999 and amended it in February, 2008 (maps revised March 2009) (the "Existing Boundary Agreement"), which the Town reaffirmed by resolution on November 14, 2013 and which the Village reaffirmed by resolution on December 12, 2013.

B. The Village has been requested to provide water service, as generally described on Exhibit A to this Agreement (the "Limited Water Service"), to the specific properties located in the limited water service area that are listed on Exhibit B to this Agreement (the "LWSA").

C. Various parts of the LWSA are located in the 2015 Boundary Area, the 2030 Boundary Area, and/or the Sanitary Sewer Service Area (as such terms, or similar terms, are used in the Existing Boundary Agreement), and various parts of the LWSA are located outside of such areas.

D. The Village and the Town are entering into this Agreement to confirm their understanding and intent that:

- The Village, through the Jackson Water Utility, will provide the Limited Water Service to the LWSA, as generally described on Exhibit A to this Agreement.
- The costs of installing the facilities for extending the Limited Water Service to the LWSA (including the costs of installing water mains, laterals, a water tower, a booster pumping station, or in-line pumps, and all other costs related to the installation which may include without limitation, individual connections to plumbing systems and abandoning current point of entry treatment systems and wells) will not be borne by the Village or the Town.

E. In entering into this Agreement, the Village and the Town recognize that the Limited Water Service is being provided in connection with the response to a release of gasoline from a pipeline in the LWSA, and is not being provided as a result of planning or development as contemplated by the Existing Boundary Agreement. Therefore, the provision of

the Limited Water Service will not provide any basis for annexation by the Village of all or any part of the LWSA.

F. In entering into this Agreement, the Village and the Town also recognize that, except as specifically set forth herein, the Existing Boundary Agreement shall remain in full force and effect in accordance with its terms.

NOW, THEREFORE, in consideration of the above recitals, which are contractual, and for other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Village and the Town agree as follows:

1. Limited Water Service. The Village, through the Jackson Water Utility, will provide the Limited Water Service to the LWSA, as generally described on Exhibit A to this Agreement. However, the provision of the Limited Water Service to the LWSA is subject to the following conditions precedent:

a. The execution of a development agreement between the Village and West Shore Pipe Line Company ("West Shore") acceptable in form and substance to the Village. Without limitation, this development agreement shall provide the necessary assurances that neither the Village nor the Town will bear any direct or indirect costs related to the provision of the Limited Water Service to the LWSA. Furthermore, to the fullest extent permitted by law, the development agreement shall require West Shore to defend, indemnify and hold harmless the Village and the Town, their respective elected officials, employees, agents and insurers from all claims that may arise from the performance of the development agreement.

b. The Village confirming, in its sole judgment, that it has adequate water capacity to provide the Limited Water Service to the LWSA.

c. Approval of this Agreement and the performance thereof by all necessary third parties including the Wisconsin Public Service Commission and the Wisconsin Department of Natural Resources, and any other agencies if required.

d. Payment by West Shore, on behalf of the Town property owners within the LWSA who connect to the water main, of the Jackson Water Utility District impact fees in the amounts set forth in Exhibit C to this Agreement.

e. The Town's adoption of an ordinance approving (i) Chapter 16 of the Village's Code entitled "Water Utility Rules and Regulations," and (ii) sections 11.08 and 11.09 of Chapter 11 of the Village Code regulating cross-connections, and making these provisions applicable to Town property owners within the LWSA who receive water service.

The Town acknowledges that the Jackson Water Utility will incur ongoing costs related to the operation, maintenance, repair and replacement of the Limited Water Service. The Town further acknowledges that the Jackson Water Utility is authorized to recover all of these costs through its rate structure(s), impact fees or other means of recovering costs that are authorized by law. The Town agrees to cooperate with the Village and the Jackson Water Utility in the

recovery of costs relating to the operation, maintenance, repair and replacement of the Limited Water Service.

2. No Basis for Annexation or Other Actions: General Agreements. The Village and the Town agree, and confirm their general understanding and intent, that:

a. Except as set forth in Exhibit B, the provision of the Limited Water Service will not provide any basis for annexation by the Village of all or any part of the LWSA.

b. Except as set forth in Exhibit B, the provision of the Limited Water Service will not be conditioned upon annexation by the Village of all or any part of the LWSA.

c. Except as set forth in Exhibit B, the provision of the Limited Water Service will not give any property, owner, or resident in the LWSA or in the Town any right to any other service of the Village or its utilities, instrumentalities, agencies, or departments; and will not give the Village or its utilities, instrumentalities, agencies, or departments any right or obligation to provide any service other than the Limited Water Service to any property, owner, or resident in the LWSA or in the Town. The Village makes no representations or warranties regarding Jackson Water Utility's capacity to provide water service to properties, whether improved or unimproved, that are not identified on Exhibit B.

d. Exhibit B identifies the parcels that are eligible to receive water from the Village pursuant to this Agreement. The parcels identified in Exhibit B consist of those with an existing house, a parcel containing the Town Hall, vacant parcels with an "I/S" identifier (indicating a vacant parcel that will be provided only a stubbed lateral, not a lateral to the existing house), and other vacant parcels without an "I/S" identifier (together, "Eligible Property"). The provision of water to the Eligible Property is subject to the following restrictive covenants, which covenants shall run with the land and shall be binding upon the current owners together with their heirs and successors in interest, whether by deed or by operation of law (together, "Owner"). These covenants shall be broadly construed in favor of the Village and against the Owner. Furthermore, these covenants may be enforced directly by the Village against the Owner, and the Village is entitled to recover its reasonable attorneys' fees and costs of any such enforcement claim.

i. The Owner is receiving water from the Village for the limited purpose of providing water to an existing house, the Town Hall or, in the case of vacant parcels, one new house or one new duplex. Further subdivision(s) of the Eligible Property, if they occur, are not entitled to receive water without the Owner and the Village entering into a separate written agreement defining the terms and conditions for the provision of water service to the new lots created by the subdivision(s). The Village retains all legislative discretion in determining whether to approve, conditionally approve or deny water service to any new lots created by the Owner. This discretion includes, without limitation, the right to require the annexation or attachment of the future lots that are to be serviced. The

Village has no obligation of good faith or fair dealing when negotiating an Owner's request to provide water service to a parcel that is not an Eligible Property. And, without limitation, the Village may terminate negotiations with the Owner for any or no reason by notice to the Owner.

ii. In the case of any Eligible Property identified in Exhibit B with "I/S," the Owner is limited to providing water to only one house or one duplex. Further, the Owner is solely responsible for the costs of extending the stubbed lateral to the future house or duplex. The Owner of an "I/S" parcel must also obtain and pay for all required permits and fees, including, without limitation, impact fees, special assessments or special charges.

iii. Upon connection of an Eligible Property the Owner must comply with all Jackson Water Utility rules, regulations and ordinances.

iv. Upon connection of an Eligible Property the Owner must comply with the Jackson Water Utility's billing rules, which are summarized in Subsection 5.f., below.

v. Where West Shore has not provided lateral to an existing house, the Owner will indemnify, defend and hold harmless the Village, its elected officials, employees, agents and insurers for any claims arising out of the Owner's extension of the stubbed lateral to a new house or duplex, including claims for property damage or personal injury.

3. No Basis for Annexation or Other Actions: Additional Specific Agreements. Without limiting the provisions of section 2 of this Agreement, the Village and the Town further agree as follows:

a. Existing Boundary Agreement. For purposes of interpreting and implementing the Existing Boundary Agreement, the extension or provision of the Limited Water Service will not constitute the extension or provision of water service to any part of the Town as contemplated by the Existing Boundary Agreement. Without limiting the foregoing:

i. No Shared Property Taxes. The Town will have no obligation to share with or pay to the Village any property taxes attributable to all or any part of the LWSA under section II.B.1 of the Existing Boundary Agreement, as a result of the extension or provision of the Limited Water Service.

ii. No Special Assessment. The extension or provision of the Limited Water Service will not require or provide the basis for any assessment or reimbursement under section II.A.4 of the Existing Boundary Agreement.

iii. No Impact on 2015 Boundary or 2030 Boundary. For purposes of sections III. C and III. D of the Existing Boundary Agreement, the extension or provision of the Limited Water Service will not alter the 2015 Boundary or 2030 Boundary and will not constitute a property being "served with water and/or

sanitary sewer” or otherwise constitute a basis for annexation by the Village of any territory, including all or any part of the LWSA.

iv. No Basis for Annexation. For purposes of section III.G of the Existing Boundary Agreement, the extension or provision of the Limited Water Service will not constitute a basis (and without limiting the foregoing, will not satisfy any criteria regarding the extension or provision of water service) for annexation by the Village of any territory including all or any part of the LWSA.

References to specific section of the Existing Boundary Agreement are illustrative only and not exclusive.

b. Additional Remedies and Procedures. In the event of any action taken or proposed to be taken toward the annexation of any territory in violation of this Agreement, the Town may seek an order enjoining or restraining such action. The Village waives any rights it may have under, and agrees that it will not assert as a defense or other bar to any action or claim by the Town, the provisions of section 66.0217 (11) (c) of the Wisconsin Statutes (as amended or renumbered from time to time), or any other bar or limitation on the right of the Town to bring an action or claim contesting any action taken or proposed to be taken toward the annexation of any territory in violation of this Agreement.

4. Effect on Existing Boundary Agreement.

a. In the event of any conflict between the terms and provisions of this Agreement and those of the Existing Boundary Agreement, the terms and provisions of this Agreement shall be controlling.

b. Except as expressly provided in this Agreement, the Existing Boundary Agreement and all of its terms and provisions (including all criteria for, and all conditions and limitations on, any annexation by the Village of any territory in the Town) are and shall remain in full force and effect including, without limitation, the 2015 and the 2030 boundary provisions of the Existing Boundary Agreement. Furthermore, nothing herein may be construed as a direct or indirect moratorium on the application of the Existing Boundary Agreement.

c. This Agreement interprets and clarifies the Existing Boundary Agreement as it might apply to the matters set forth herein; this Agreement does not constitute an amendment to the Existing Boundary Agreement. If this Agreement is deemed to be an amendment to the Existing Boundary Agreement, the Village and Town shall cooperate in obtaining all approvals required by law.

5. Miscellaneous.

a. References to Annexation. As used in this Agreement, the term “annexation” shall include any annexation under section 66.0217, 66.0219, or 66.0221 of the Wisconsin Statutes (as amended or renumbered from time to time), or any other

proceeding at law, in equity, or under statute by which territory in the Town may be annexed by or attached to the Village.

b. Cooperation Regarding Water Tower and Wells. It is anticipated that further extension of the Limited Water Service may include construction of a water tower and/or wells on property located within the LWSA. The Village and Town agree to reasonably cooperate with respect to the siting of such facilities, and that any associated permits or licenses will not be unreasonably withheld, delayed or conditioned. The design and specifications for the water tower and well are reserved to the Village, subject to consultation with the Town.

The preceding does not limit the Village's legislative discretion regarding the timing and scope of the construction of additional water towers and wells located within or outside the LWSA. However, the construction of additional Jackson Water Utility facilities deemed necessary to serve the LWSA are subject to the Village and the Town entering into a separate agreement defining the terms and conditions of the project. All rights are reserved by the Village and the Town.

c. Water Quality. The Village represents and warrants that the Limited Water Service will meet all applicable minimum local, state and federal water quality standards. However, the Village makes no representations or warranties that the Limited Water Service will exceed applicable local, state and federal water quality standards. The Town accepts these representations and warranties.

d. No Personal Liability. Under no circumstance shall any trustee, supervisor, officer, employee, or individual agent of (i) the Village, (ii) the Town, or (iii) any utility, instrumentality, agency, or department of either have any personal liability arising out of this Agreement, and no party shall seek or claim any such personal liability.

e. Indemnity. To the fullest extent authorized by law, the Town agrees to indemnify, defend and hold harmless the Village and its trustees, officers, employees, agents and insurers against any and all claims, lawsuits, costs, or charges (including reasonable attorneys' fees) arising out of the Village's provision of water service to the LWSA pursuant to the terms and conditions of this Agreement, unless claims, lawsuits, costs or charges arise out of the sole negligence of the Village or any acts taken by the Village which are contrary to the terms and conditions of this Agreement.

f. Water Bills. The Jackson Water Utility will be billing the customers within the LWSA directly. However, the Town hereby assumes the risk of non-payment for all delinquent customer invoices. The Jackson Water Utility bills on a quarterly basis. Water customers are typically billed no earlier than the 15th day of the month beginning each quarter. These bills are due in full on the fifth day of the following month in the quarter for which the water consumption has been calculated and billed. (A late payment charge is added to delinquent bills.) The Jackson Water Utility mails a disconnection notice to delinquent customers on or after the seventh day of the third month in the quarter. The Town will be provided copies of all disconnection notices. The customer has ten days to pay the delinquent bill in full to avoid disconnection. The Village will invoice

the Town if the relevant Town water customer(s) fails to make timely payment in full within the deadline described in the disconnection notice. The Village's invoice shall be paid in full by the Town within thirty (30) days of issuance.

g. Governing Law. The internal laws of the State of Wisconsin shall govern this Agreement.

h. Dispute Resolution. Except as otherwise specified in this Agreement, all disputes regarding the interpretation, administration or enforcement of this Agreement shall be resolved by mediation with a mediator stipulated to by the parties. If mediation is not successful, the dispute shall be submitted to binding arbitration by a single arbitrator stipulated by the parties. If the parties cannot agree on an arbitrator, they will request a five-person panel list from the Wisconsin Department of Administration. Each party will have two strikes from the five-person panel. The parties may agree to an alternative method for the selection of the single arbitrator. The arbitrator shall not be bound by rules of evidence or the substantive, internal laws of Wisconsin. The award is final and binding and shall be enforceable at law. The parties agree that arbitration proceedings must be instituted within one year after the claimed breach occurred, and that the failure to institute arbitration proceedings within one year shall constitute an absolute bar to the institution of any proceedings and a waiver of all claims.

i. No Third Party Beneficiary. This Agreement is intended to be solely between the Village and the Town. Nothing in this Agreement grants any third party beneficiary rights nor may this Agreement be enforced by any non-party.

j. Survival of Rights and Obligations. The rights and obligations described in this Agreement are binding upon future Village and Town Boards.

k. Counterparts. This Agreement may be signed in counterparts by the parties, with the same effect as if the signatures were upon the same instrument. A facsimile or digital signature constitutes an original signature.

l. Amendment. No modification, alteration, or amendment of this Agreement shall be binding unless and until such modification, alteration, or amendment is reduced to writing and executed by both the Village and the Town. All references to codes, regulations, or laws are as amended from time to time.

m. Severability and Savings Clause. If any provision of this Agreement shall be held or deemed to be invalid, inoperative, or unenforceable as applied in any particular case because it conflicts with any other provision of this Agreement or any constitution or statute or rule of public policy, or for any other reason, then such circumstance shall not have the effect of rendering the provision in question invalid, inoperative, or unenforceable in any other case or circumstance, or of rendering any other provision of this Agreement invalid, inoperative, or unenforceable to any extent whatever. To the maximum extent possible, this Agreement shall be construed in a manner consistent with the powers of the Village and the Town, including their powers under section 66.0301 of the Wisconsin Statutes (as amended or renumbered from time to time), to achieve its

intended purpose. Reference is made to section 66.0301 (2) of the Wisconsin Statutes, which provides that section 66.0301 should be interpreted liberally in favor of cooperative action between municipalities.

n. Remedies. The failure of either party to exercise any rights or remedies hereunder shall not waive or extinguish its right to exercise such rights or remedies upon the continuance of any default or the occurrence of any subsequent default. No right or remedy herein conferred on or otherwise available to either party shall be exclusive of any other right or remedy, but each such right and remedy shall be cumulative and in addition to every other right and remedy given herein, or now or hereafter existing at law, in equity, or under statute.

o. Interpretation. This Agreement has been negotiated at arm's length between parties knowledgeable of the matters herein. In addition, each party has been represented by competent legal counsel. Accordingly, any rule of law or any legal decision that would require interpretation of any ambiguities in this Agreement against the party that drafted it is of no application and is hereby expressly waived. The provisions of this Agreement shall be interpreted in a reasonable manner to accomplish the intentions of the parties.

[Signature page(s) follow this page.]

IN WITNESS WHEREOF, the parties have executed this Agreement as of the date first set forth above.

VILLAGE OF JACKSON, for itself and for the
Village of Jackson Water Utility

By: Wendy A. Kannenberg
Village President

By: B. C.
Village Trustee

By: Peter M. Habel
Village Trustee

By: Al H. Hall
Village Trustee

By: Donna M. Olson
Village Trustee

By: J. M. Lynch
Village Trustee

By: Nancy Knaus
Village Trustee

Attest:

Deanna Boldrey
Village Clerk/Treasurer

TOWN OF JACKSON

By: Raymond Heulth
Town Chairperson

By: Dan Kufalik
Town Supervisor DAN KUFALIK

By: Paul R. Annett
Town Supervisor Paul R. Annett

By: Everett Russell
Town Supervisor Everett Russell

By: Robert Hartwig
Town Supervisor Robert Hartwig

Attest:

Julia Oliver
Town Clerk

EXHIBIT A
TO
INTERGOVERNMENTAL AGREEMENT REGARDING PROVISION OF LIMITED
WATER SERVICE

Description of Limited Water Service

1. The Village, through the Jackson Water Utility, will provide potable water service to Eligible Property.
2. The Limited Water Service will be provided to users on a retail basis and will be regulated by the Public Service Commission of Wisconsin.
3. The costs of installing the facilities for extending the Limited Water Service to the LWSA, including the costs of installation and connection of water mains and laterals (and the costs of connecting service to all residences, agricultural operations and/or commercial buildings located in the LWSA as of the date of this Agreement, provided that the owner(s) of such residence(s), agricultural operation(s) and/or commercial building(s) notify the Town within 45 days of the date of this Agreement that they desire to receive Limited Water Service) will be borne by West Shore Pipe Line Company. This project shall be further defined in a development agreement between the Village and West Shore Pipe Line Company. No special assessments will be charged or levied against any such owner, property, or resident receiving the Limited Water Service. The Village makes no representations or warranties regarding Jackson Water Utility's capacity to provide water service in excess to the Limited Water Service. Furthermore, the Town acknowledges that neither the Village nor the Jackson Water Utility has any obligation to provide water to residences, agricultural operations and/or commercial buildings in the LWSA that are not in existence as of the date of this Agreement and that have not notified the Town within 45 days of the date of this Agreement that they desire to receive Limited Water Service. The extension of water for future improvements is subject to the parties reaching a separate agreement and all legislative discretion concerning any such agreement is reserved.
4. The extension of the Limited Water Service, including installation and connection of water mains, laterals, and other facilities, will be undertaken and completed in accordance with the construction standards of the Jackson Water Utility and the development agreement between the Village and West Shore Pipe Line Company. All connections shall be performed by properly-licensed plumbers and shall be inspected by authorized employees or contracted professional service providers of the Jackson Water Utility.
5. All water main extensions, together with all lateral extensions from the valve boxes to the mains, will be conveyed to the Jackson Water Utility, together with appropriate easements.

EXHIBIT B
TO
INTERGOVERNMENTAL AGREEMENT REGARDING PROVISION OF LIMITED
WATER SERVICE

Description of LWSA

Attached are (1) a map generally depicting the LWSA, and (2) a list containing the Eligible Property within the LWSA.

Town of Jackson Special Casing & Water Service Area Jackson, Wisconsin

PORTIONS OF SECTIONS 21, 27, 28, 29, 32, 33 & 34, T10N, R20E

1/07/2014

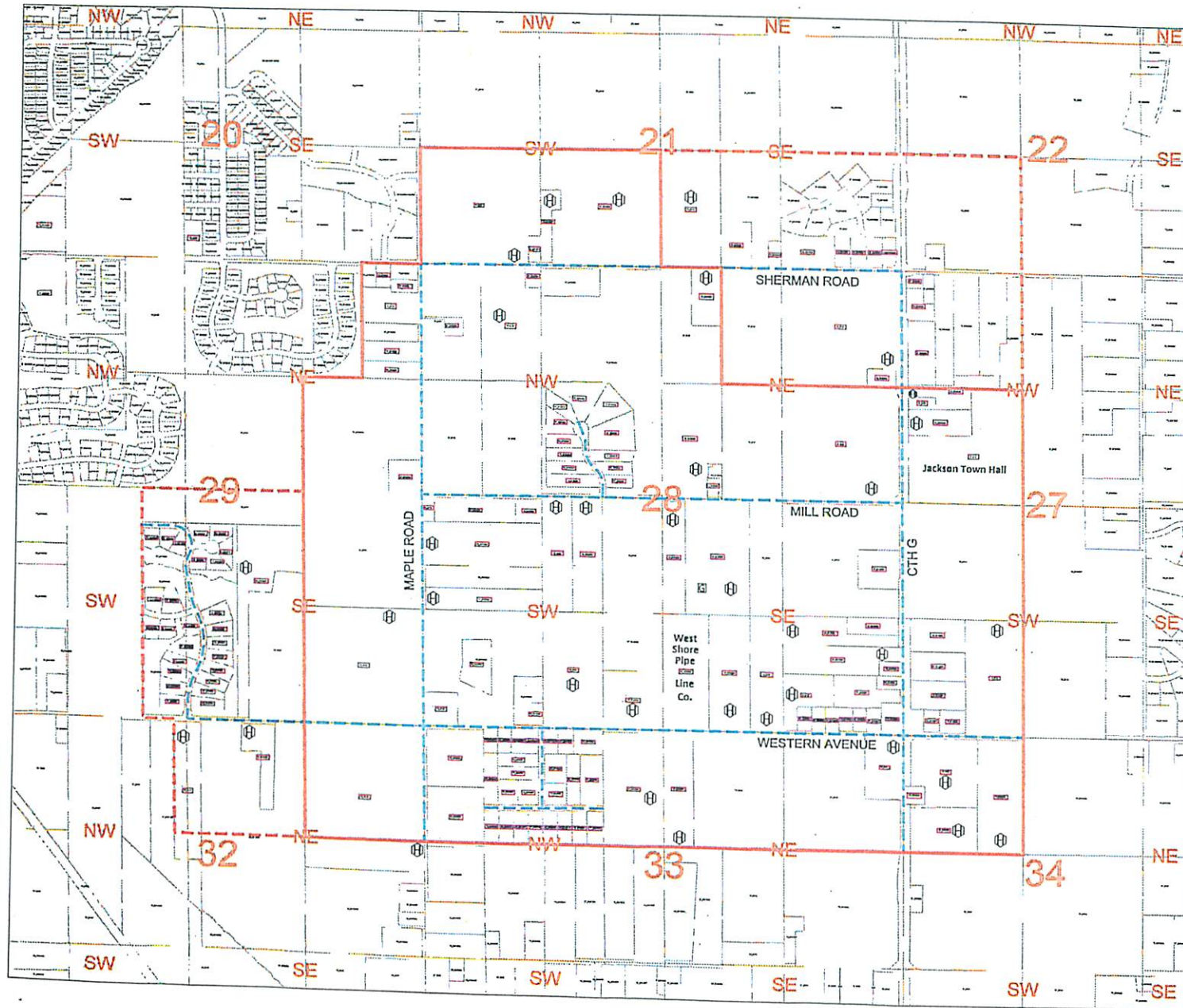


SCALE: 1" = 500'

LEGEND

- SPECIAL CASING AREA
- - - RECOMMENDED SERVICE AREA
- - - RECOMMENDED WATER MAIN
- PARCELS
- SECTION
- QUARTER SECTION
- ELIGIBLE PARCEL
-  APPROX. LOCATION HOUSE & GARAGE

REVISED 01/29/2014



**Proposed Town of Jackson Properties for
Water Distribution System Extension**

I.D.	Tax Key	House No.	Street	Owner	Type	Acres	Sudivision	Along Route
T7-0767015		2418	CROSSWIND CIR	PHILIP J IV&AMY E DAHLBERG	HOUSE	0.92	CROSSWIND FARMS	
T7-0767016			CROSSWIND CIR	HEIDTKE LIVING TRUST	VACANT	0.92	CROSSWIND FARMS	I / S
T7-0767017			CROSSWIND CIR	WINFIELD HOMES	VACANT	0.92	CROSSWIND FARMS	I / S
T7-0767018			CROSSWIND CIR	WINFIELD HOMES	VACANT	0.93	CROSSWIND FARMS	I / S
T7-0767014		2430	CROSSWIND TRAIL	BRIAN J&STACEY BIRCHBAUER	HOUSE	0.93	CROSSWIND FARMS	
T7-0767001		2913	CROSSWIND TRAIL	DARREN J & BARBARA A SELK	HOUSE	1.00	CROSSWIND FARMS	
T7-0767025		2926	CROSSWIND TRAIL	KEVIN KAZMIERCZAK	HOUSE	1.02	CROSSWIND FARMS	
T7-0767024		2938	CROSSWIND TRAIL	JOSEPH&SANDY REPKA	HOUSE	1.14	CROSSWIND FARMS	
T7-0767004		2945	CROSSWIND TRAIL	MARK R&CHRISTINE A SULOK	HOUSE	1.08	CROSSWIND FARMS	
T7-0767023		2948	CROSSWIND TRAIL	CARLOS J&NORMA A ORTIZ	HOUSE	1.24	CROSSWIND FARMS	
T7-0767005		2961	CROSSWIND TRAIL	MICHAEL J&JENNIFER L STARZMAN	HOUSE	1.64	CROSSWIND FARMS	
T7-0767006		2985	CROSSWIND TRAIL	CHAD L&STEPHANIE J ALTSCHAFL	HOUSE	0.92	CROSSWIND FARMS	
T7-0767011		3053	CROSSWIND TRAIL	JOSEPH R&SARAH E ELLIOTT	HOUSE	0.92	CROSSWIND FARMS	
T7-0767013		3073	CROSSWIND TRAIL	CARL F&JANET L HOLTER	HOUSE	0.92	CROSSWIND FARMS	
T7-0767002			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.17	CROSSWIND FARMS	I / S
T7-0767003			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.30	CROSSWIND FARMS	I / S
T7-0767012			CROSSWIND TRAIL	GREG S RAGSDALE	LOT	0.92	CROSSWIND FARMS	I / S
T7-0767019			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.47	CROSSWIND FARMS	I / S
T7-0767020			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.08	CROSSWIND FARMS	I / S
T7-0767021			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.01	CROSSWIND FARMS	I / S
T7-0767022			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.24	CROSSWIND FARMS	I / S
T7-0767026			CROSSWIND TRAIL	CROSSWIND FARMS	VACANT	1.13	CROSSWIND FARMS	I / S
T7-088200B		2818	DIVISION RD	PHYLLIS J DENCKER	HOUSE	8.68		
T7-0882		2840	DIVISION RD	STEPHEN W WEYKER	HOUSE & LAND	12.07		
T7-088200A		2860	DIVISION RD	EVAN P&TRACY L NICKODEM	HOUSE	1.12		
T7-0841		2881	DIVISION RD	ST JOHNS LUTH CHURCH	CHURCH	7.12		
T7-074800J		2933	DIVISION RD	ERVIN R&MARY S LARSEN JR	HOUSE	4.89		
T7-071200A		2950	DIVISION RD	PHILIP&ROSEANN MCKEAN FAMILY	HOUSE	4.00		
T7-074800A		2955	DIVISION RD	KEITH&ELAINE L RUSCH	HOUSE	4.48		
T7-074700A		2963	DIVISION RD	GUSTAV C BLANK	HOUSE	1.00		
T7-074700B		2971	DIVISION RD	CHARLES F LUEDTKE	HOUSE	9.00		
T7-071200B		2976	DIVISION RD	VERSHANDLE BOWMAN	HOUSE	4.48		
T7-074700C		2985	DIVISION RD	CYRIL E SWIECICHOWSKI	HOUSE	7.14		
T7-074700D		2987	DIVISION RD	TIMOTHY J&NICOLE M OLSZEWSKI	HOUSE	2.48		
T7-071200C		2992	DIVISION RD	DENNIS C&BARBARA LIEBL	HOUSE	5.20		
T7-074300A		3037	DIVISION RD	BERGGREN FARMS II LLC	HOUSE	4.63		
T7-0707		3146	DIVISION RD	TOWN OF JACKSON	TOWN HALL	28.76		
T7-070600A		3166	DIVISION RD	HERBERT WICHMANN	HOUSE	4.94		
T7-0706		3174	DIVISION RD	KENNETH A SCHMITT	HOUSE	0.95		
T7-070600B		3186	DIVISION RD	BLANCA ROSA KASCHNER	HOUSE	5.00		
T7-070500B		3204	DIVISION RD	LEWIS G&ROSEMARY M HOLTSCLAW	HOUSE	5.00		
T7-072300A		3207	DIVISION RD	JON C ZANDI	HOUSE	1.50		
T7-0723		3215	DIVISION RD	WILLARD B WOLFF	HOUSE & LAND	37.47		
T7-070500C		3282	DIVISION RD	BOPPRE TRUST	HOUSE	2.16		
T7-070500A		3296	DIVISION RD	ROBERT DOBBERFUHL	HOUSE	0.79		
T7-0767007		2459	GOLDEN HARVEST LN	MARTIN D&MICHELLE BALL TOD	HOUSE	0.92	CROSSWIND FARMS	
T7-0767008			GOLDEN HARVEST LN	CROSSWIND FARMS	VACANT	0.92	CROSSWIND FARMS	I / S
T7-0767009			GOLDEN HARVEST LN	CROSSWIND FARMS	VACANT	1.25	CROSSWIND FARMS	I / S
T7-0767010			GOLDEN HARVEST LN	CROSSWIND FARMS	VACANT	1.29	CROSSWIND FARMS	I / S

This list includes parcels originally listed by Arcadis with the following additions:

I = Parcels added to the list

I/S= Vacant Parcels allowed installation of stubbed laterals

Proposed Town of Jackson Properties for
Water Distribution System Extension

I.D.	Tax Key	House No.	Street	Owner	Type	Acres	Sudivision	Along Route
T7-0848010		1957	HUMMINGBIRD DR	TIM R & PATRICIA A DANO	HOUSE	1.62	MOCKINGBIRD HILL	
T7-0848009		1960	HUMMINGBIRD DR	JODY LASAGE	HOUSE	3.29	MOCKINGBIRD HILL	
T7-0848011		1969	HUMMINGBIRD DR	RICHARD A&CARRIE J DZIK	HOUSE	1.41	MOCKINGBIRD HILL	
T7-0848008		1974	HUMMINGBIRD DR	GARY J KOENEN	HOUSE	1.98	MOCKINGBIRD HILL	
T7-0848012		1983	HUMMINGBIRD DR	MARK R&KRISTY K KOENKE	HOUSE	1.39	MOCKINGBIRD HILL	
T7-0848007		1990	HUMMINGBIRD DR	GREGORY T&JENNIFER A HOLT	HOUSE	1.34	MOCKINGBIRD HILL	
T7-0848013		1995	HUMMINGBIRD DR	WARREN J&JUDY A PLEUGERS	HOUSE	1.39	MOCKINGBIRD HILL	
T7-0848014		2007	HUMMINGBIRD DR	ROBERT C & TAMMY L TETZLAFF	HOUSE	1.38	MOCKINGBIRD HILL	
T7-0848005		2014	HUMMINGBIRD DR	JOHN M STIEMKE	HOUSE	1.46	MOCKINGBIRD HILL	
T7-0848015		2019	HUMMINGBIRD DR	JOSEPH A&THERESA L HERRMANN	HOUSE	2.13	MOCKINGBIRD HILL	
T7-0848004		2026	HUMMINGBIRD DR	NATHAN&DEANNA S KONS	HOUSE	1.44	MOCKINGBIRD HILL	
T7-0848016		2031	HUMMINGBIRD DR	SARA J BAKER	HOUSE	1.38	MOCKINGBIRD HILL	
T7-0848003		2042	HUMMINGBIRD DR	ERIC A&JODI L BAUMANN	HOUSE	2.03	MOCKINGBIRD HILL	
T7-0848017		2043	HUMMINGBIRD DR	DOYLE F BUSSE	HOUSE	1.38	MOCKINGBIRD HILL	
T7-0813		2807	MAPLE RD	ROGER R&MARTHA LIESENER TRUST	HOUSE & LAND	51.22		
T7-085000D		2812	MAPLE RD	MICHAEL P&TRACY A HEERHOLD	HOUSE	10.28		
T7-0769		2979	MAPLE RD	BERGGENER FARMS	HOUSE	40.00		I
T7-073700E		3020	MAPLE RD	FLORIAN J&KARA L WISINSKI	HOUSE & LAND	7.43		
T7-073700Z		3060	MAPLE RD	GARY A HECKENDORF	HOUSE	15.26		
T7-075200Z		3115	MAPLE RD	ROGER R&MARTHA LIESENER TRUST	HOUSE	3.31		
T7-074900C		3209	MAPLE RD	JEROLD R WAGENKNECHT	HOUSE	2.99		
T7-074900E		3223	MAPLE RD	S EUGENE MATEL	HOUSE	3.50		
T7-073100A		3252	MAPLE RD	EUGENE J&GRACE A MACIEJEWSKI	HOUSE	1.02		
T7-0749		3255	MAPLE RD	GREGORY R&CARLA J HARRY	HOUSE	5.95		
T7-074900J		3279	MAPLE RD	RONALD R&JULIE K HEIDTKE	HOUSE	0.99		
T7-085000A			MAPLE RD	DAVID Z & HOLLY L DYTCHKOWSKYJ	LOT	10.33		I/S
T7-0728		1736	MILL RD	ROSS B&MARCELLA C BISHOP	LAND	38.57		
T7-074400B		1859	MILL RD	CURTIS J&WANDA M BEELER	HOUSE	21.24		
T7-072600C		1860	MILL RD	JACKSON HISTORICAL SOCIETY INC	HOUSE	0.70		
T7-072600Z		1870	MILL RD	JOSEPH FC&JODI L LESAC	HOUSE	18.45		
T7-074400A		1891	MILL RD	PAUL&KAREN SCHRECK	HOUSE	10.98		
T7-073600A		1969	MILL RD	JEFFREY C SMITH	HOUSE	10.07		
T7-0736		1987	MILL RD	ROBERT J&JANICE I HENKE	HOUSE	10.07		
T7-073700B		2011	MILL RD	RAYMOND A&EULORA HECKENDORF LE	HOUSE	1.85		
T7-073700A		2045	MILL RD	BETH A FRANK	HOUSE	5.67		
T7-0738		2097	MILL RD	KEVIN A BEHM	HOUSE	1.00		
T7-0848002		2857	MOCKINGBIRD DR	JEFFREY F FALBO	HOUSE	1.55	MOCKINGBIRD HILL	
T7-0848006		2864	MOCKINGBIRD DR	GARY L&RHEA JANE GRESETH	HOUSE	1.83	MOCKINGBIRD HILL	
T7-0848001		2869	MOCKINGBIRD DR	KEVIN M&MARY K BUKOVIC	HOUSE	1.55	MOCKINGBIRD HILL	
T7-057600A		1710	SHERMAN RD	ROLAND L JACKSON	HOUSE	1.38		
T7-057600C		1732	SHERMAN RD	HAROLD F CALLUM JR	HOUSE	1.38		
T7-057600E		1752	SHERMAN RD	PAUL A LOBER	HOUSE	1.38		
T7-057600Z		1782	SHERMAN RD	JACK HILL	HOUSE	5.25		
T7-057500A		1796	SHERMAN RD	MICHAEL A&SANDRA L VORWERK	HOUSE	1.00		
T7-057500C		1818	SHERMAN RD	MICHAEL J&S S PEPLINSKI	HOUSE	4.00		
T7-072500A		1845	SHERMAN RD	PATRICK M&JANIS J SIERRA	HOUSE	5.00		
T7-0575		1876	SHERMAN RD	KENNETH E&MARIAN GREIFENHAGEN	HOUSE	20.00		
T7-057200Z		1930	SHERMAN RD	ROBIN L OLSON REVOCABLE	HOUSE	37.04		
T7-057200A		1986	SHERMAN RD	MATTHEW R&JESSICA L BRAEGER	HOUSE	2.60		
T7-073000A		1997	SHERMAN RD	MELVIN R HECKENDORF	HOUSE	1.03		
T7-057100A		1998	SHERMAN RD	THOMAS A&JEAN M OKRUHLICA	HOUSE	1.02		
T7-0571		2018	SHERMAN RD	SHERMAN HEIGHTS LP	HOUSE	38.98		
T7-0730		2039	SHERMAN RD	MELVIN R HECKENDORF&	HOUSE	21.72		
T7-074900F		2135	SHERMAN RD	JOHN S SR&TONI K HELLER	HOUSE	1.01		
T7-054500C		2406	SHERMAN RD	SANDRA LEE RINDT	HOUSE	9.07		I
T7-075500A		2409	SHERMAN RD	ROBERT C & DONNA STEITZ LIVING	HOUSE	10.05		I
V3 0208	N160 W1		SHERMAN RD	JAMES W & GINA M BLANK	HOUSE	2.00	Property is in the Vol	I
T7-057600A001			SHERMAN RD	ROLAND L JACKSON	LOT	1.00		

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**Proposed Town of Jackson Properties for
Water Distribution System Extension**

I.D.	Tax Key	House No.	Street	Owner	Type	Acres	Sudivision	Along Route
T7-088200C		1639	WESTERN AVE	PAUL A&KARLA K MOZDZEN	HOUSE	14.79		
T7-0712		1646	WESTERN AVE	THOMAS M&KIM M MUTZ	HOUSE	19.27		
T7-071200D		1666	WESTERN AVE	ROBERT G LAJOICE	HOUSE	1.73		
T7-071300A		1676	WESTERN AVE	THOMAS W&LYNN D ROSBECK	HOUSE	0.99		
T7-074800B		1708	WESTERN AVE	PETER J&JENNIFER E LASAGE	HOUSE	2.00		
T7-074800F		1730	WESTERN AVE	DANIEL J&VICKI G FLANDERS	HOUSE	1.13		
T7-074800H		1740	WESTERN AVE	CHRISTINE M KILBOURN	HOUSE	0.95		
T7-074800C		1750	WESTERN AVE	ROBERT A&SUSAN J BRANDT	HOUSE	0.95		
T7-074800D		1760	WESTERN AVE	FRANCIS J WANTY	HOUSE	1.03		
T7-074800E		1770	WESTERN AVE	RICHARD T&GLADYS H OESTREICH	HOUSE	1.03		
T7-074800G		1780	WESTERN AVE	ALLAN J&BARBARA J LUKES	HOUSE	0.99		
T7-0748		1790	WESTERN AVE	JAMES A NINEDORF	HOUSE	5.58		
T7-0745		1824	WESTERN AVE	THOMAS S&GWENDOLYN A WAGNER	HOUSE	10.98		
T7-074500B		1836	WESTERN AVE	JOHN D FENTON&	HOUSE	13.63		
T7-074500A		1880	WESTERN AVE	WEST SHORE PIPE LINE CO	HOUSE	15.34		
T7-084200A		1885	WESTERN AVE	WILLIAM L&JOYCE E VOGEL TRUST	HOUSE	10.00		
T7-084700C		1915	WESTERN AVE	JAMES R&NICOLLE A FEILBACH	HOUSE	20.00		
T7-074200A		1930	WESTERN AVE	ROSS B&MARCELLA C BISHOP	HOUSE	10.00		
T7-084800B		1961	WESTERN AVE	MARK P&TAMMY L FITZGERALD	HOUSE	2.13		
T7-0741		1964	WESTERN AVE	PETER&RUTH WOOD	HOUSE	20.00		
T7-084800A		1971	WESTERN AVE	JAMES & DONNA BOURNELIS	HOUSE	1.13		
T7-084900D002		1985	WESTERN AVE	ROBERT L BECK	HOUSE	1.00		
T7-073900C		2004	WESTERN AVE	MARY C CHA	HOUSE	1.00		
T7-084900D001		2005	WESTERN AVE	LOYD N FULTON	HOUSE	1.00		
T7-084900C		2015	WESTERN AVE	ROBERT PERSZYK	HOUSE	1.00		
T7-084900B		2025	WESTERN AVE	NORMAN R BLOCK	HOUSE	1.00		
T7-084900A		2035	WESTERN AVE	DANIEL E&LINDA A CORLETTE	HOUSE	1.00		
T7-073900A		2060	WESTERN AVE	LYLE A WHEELER	HOUSE	4.33		
T7-0740		2090	WESTERN AVE	GREGORY E HOLCOMB	HOUSE	3.00		
T7-081400B		2245	WESTERN AVE	CLIFFORD A&DORIS KOELLER	HOUSE	5.01		
T7-076800A		2250	WESTERN AVE	HEIDTKE LIVING TRUST	HOUSE	15.99		
T7-0815		2305	WESTERN AVE	RICHARD H&SHARON J BOLDT	HOUSE	10.77		
T7-0734002		3115	WILDFLOWER LN	ROBERT C&JUDI L MIELKE	HOUSE	1.98	PRAIRIE MEADOW EST	
T7-0734012		3116	WILDFLOWER LN	BRIAN GONIU	HOUSE	1.05	PRAIRIE MEADOW EST	
T7-0734003		3127	WILDFLOWER LN	CHAD D&MELISSA J JOHNSON	HOUSE	1.68	PRAIRIE MEADOW EST	
T7-0734011		3128	WILDFLOWER LN	DAVID J&KATHRYN L MOORE	HOUSE	1.28	PRAIRIE MEADOW EST	
T7-0734004		3133	WILDFLOWER LN	JAMI LONG	HOUSE	1.42	PRAIRIE MEADOW EST	
T7-0734010		3134	WILDFLOWER LN	ROBERT D&KATHRYN J CAMPBELL	HOUSE	1.46	PRAIRIE MEADOW EST	
T7-0734005		3151	WILDFLOWER LN	JAMES R JR&KAREN K CARR	HOUSE	1.36	PRAIRIE MEADOW EST	
T7-0734009		3152	WILDFLOWER LN	JORDAN A GALLITZ	HOUSE	4.10	PRAIRIE MEADOW EST	
T7-0734006		3159	WILDFLOWER LN	LISA L YORKEY-PETERS	HOUSE	1.58	PRAIRIE MEADOW EST	
T7-0734014		3165	WILDFLOWER LN	MICHAEL J&MICHELLE L UUTALA	HOUSE	1.43	PRAIRIE MEADOW EST	
T7-0734015		3166	WILDFLOWER LN	THOMAS&LORA STROBEL	VACANT	3.74	PRAIRIE MEADOW EST	I / S
T7-0734016		3166	WILDFLOWER LN	THOMAS&LORA STROBEL	HOUSE	2.87	PRAIRIE MEADOW EST	
					TOTAL ACRES	878.10		

This list includes parcels originally listed by Arcadis with the following additions:

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EXHIBIT C
TO
INTERGOVERNMENTAL AGREEMENT REGARDING PROVISION OF LIMITED
WATER SERVICE

Impact Fees

See following page

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ORDINANCE #11-02

**AN ORDINANCE AMENDING CHAPTER 22 OF THE VILLAGE CODE OF THE
VILLAGE OF JACKSON**

**THE VILLAGE BOARD OF THE VILLAGE OF JACKSON, WASHINGTON COUNTY,
WISCONSIN, does ordain the following changes to the Village Code:**

SECTION I. Section 22.10 of the Village Code is repealed and amended as follows:

Sec. 22.10. Park Facilities Fees as may be charged pursuant to
Section 236.45 (6) Wis. Stats.

SECTION II. Section 22.09 A. of the Village Code is amended as follows:

Sec. 22.09 A. Water Impact Fee is set at \$820.00.

SECTION III. Section 22.11 A. of the Village Code is enacted as follows:

Sec. 22.11 A. Police and Fire Facilities Impact Fee is set at
\$1,430.00 per residential unit, Multi-Family \$1,280.00 per unit,
and at \$2.80 per \$1000.00 of improvements of non-residential
property.

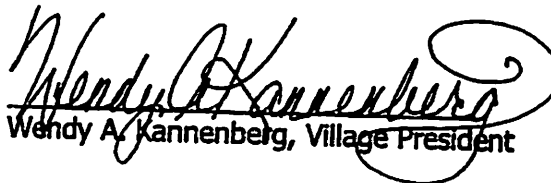
SECTION IV. This ordinance shall take effect from and after its passage and
posting.

Introduced by: Peter HABEL

Seconded by: BRIAN EMMERICH

Vote: 6 Aye — Nay

Passed and Approved: MAY 10, 2011


Wendy A. Kannenberg, Village President

Attest: Susan E. Rank
Susan E. Rank, Village Clerk

Proof of Posting

I, the undersigned, certify that I posted copies of this Ordinance on bulletin boards at the Village Hall, Post Office and one other location in the Village.

Village Official: *Joson E. Runk* Dated: *May 12, 2011*

LWSA Service Connections



Properties Receiving Service Connections

Property Location		Last Name	First Name
2418	Crosswind Cir	Dahlberg	Philip & Amy
Lot 16	Crosswind Cir	Heidtke Living Trust	
Lot 17	Crosswind Cir	Winfield Homes LLC	
Lot 18	Crosswind Cir	Winfield Homes LLC	
2430	Crosswind Trl	Birchbauer	Brian & Stacey
2913	Crosswind Trl	Selk	Darren & Barbara
2926	Crosswind Trl	Kazmierczak	Kevin
2938	Crosswind Trl	Repka	Joseph & Sandy
2945	Crosswind Trl	Sulok	Mark & Christina
2948	Crosswind Trl	Ortiz	Carlos & Norma
2961	Crosswind Trl	Starzman	Michael & Jennifer
2985	Crosswind Trl	Mack	Joseph & Tammy
3053	Crosswind Trl	Prochnow	Jeremy
3073	Crosswind Trl	Holter	Carl & Janet
Lot 2	Crosswind Trl	Crosswind Farms LLC	Dirk Wildt (Builder)
Lot 3	Crosswind Trl	Crosswind Farms LLC	
Lot 12	Crosswind Trl	Ragsdale	Greg
Lot 19	Crosswind Trl	Crosswind Farms LLC	
Lot 20	Crosswind Trl	Crosswind Farms LLC	
Lot 21	Crosswind Trl	Crosswind Farms LLC	
Lot 22	Crosswind Trl	Crosswind Farms LLC	
Lot 26	Crosswind Trl	Crosswind Farms LLC	
2881	Division Road	St. John's Lutheran Church	c/o Keith Heidtke
2933	Division Road	Larsen	Ervin & Mary
2950	Division Road	McKean	Philip & Roseann
2955	Division Road	Rusch	Keith & Elaine
2963	Division Road	Blank	Gustav
2971	Division Road	Luedtke	Charles
2985	Division Road	Swiecichowski	Cyril & Shirley
2987	Division Road	Olszewski	Timothy & Nicole
2992	Division Road	Liebl	Dennis & Barbara
3166	Division Road	Wichmann	Herbert
3174	Division Road	Schmitt	Kenneth
3186	Division Road	Kaschner	Blanca Rosa
3204	Division Road	Holtsclaw	Lewis & Rosemary
3207	Division Road	Zandi	Jon
3282	Division Road	Boppre	Tim & Dawn
3296	Division Road	Dobberfuhr	Robert
2459	Golden Harvest Ln	Ball	Martin & Michelle
Lot 8	Golden Harvest Ln	Crosswind Farms LLC	
Lot 9	Golden Harvest Ln	Crosswind Farms LLC	
Lot 10	Golden Harvest Ln	Crosswind Farms LLC	
1957	Hummingbird Dr	Dano	Tim & Patricia
1960	Hummingbird Dr	Brzezinski	Jody
1969	Hummingbird Dr	Dzik	Richard & Carrie
1974	Hummingbird Dr	Koenen	Gary
1983	Hummingbird Dr	Koenke	Mark & Kristy
1990	Hummingbird Dr	Holt	Gregory & Jennifer
1995	Hummingbird Dr	Pleugers	Warren & Judy
2007	Hummingbird Dr	Tetzlaff	Robert & Tammy
2014	Hummingbird Dr	Stiemke	John
2019	Hummingbird Dr	Herrmann	Joseph & Theresa
2026	Hummingbird Dr	Kons	Nathan & Deanna
2031	Hummingbird Dr	Baker Fahey	Sara
2042	Hummingbird Dr	Baumann	Eric & Jodi
2043	Hummingbird Dr	Busse	Doyle
2812	Maple Road	Heerhold	Michael & Tracy
2979	Maple Road	Berggren	Floyd

Properties Receiving Service Connections

Property Location		Last Name	First Name
3020	Maple Road	Wisinski	Florian & Kara
3060	Maple Road	Heckendorf	Gary
3115	Maple Road	Liesener	Roger & Martha Trust
3209	Maple Road	Wagenknecht	Jerold & Jean
3223	Maple Road	Leak	Carrie & Andre
3252	Maple Road	Maciejewski	Guy
3255	Maple Road	Harry	Gregory & Carla
3279	Maple Road	Heidtke	Ronald & Julie
Lot	Maple Road	Dytchkowskyj	David & Holly
1859	Mill Road	Beeler	Curtis & Wanda
1870	Mill Road	LeSac	Joseph & Jodi
1891	Mill Road	Schreck	Paul & Karen
1969	Mill Road	Smith	Jeffrey
1987	Mill Road	Henke	Robert & Janice
2011	Mill Road	Heckendorf	Raymond & Eulora
2045	Mill Road	Frank Manchester	Beth
2097	Mill Road	Behm	Kevin
2857	Mockingbird Dr	Falbo	Jeffrey
2864	Mockingbird Dr	Greseth	Gary & Rhea Jane
2869	Mockingbird Dr	Bukovic	Kevin & Mary
1710	Sherman Road	Jackson	Roland
1732	Sherman Road	Callum, Jr.	Harold
1752	Sherman Road	Lober	Paul
1782	Sherman Road	Hill	Jack
1796	Sherman Road	Vorwerk	Michael & Sandra
1818	Sherman Road	Peplinski	Michael
1845	Sherman Road	Sierra	Patrick & Janis
1876	Sherman Road	Greifenhagen	Kenneth & Marian
1930	Sherman Road	Olson	Robin & Daniel
1986	Sherman Road	Braeger	Matthew & Jessica
1997	Sherman Road	Heckendorf	Melvin
1998	Sherman Road	Okruhlica	Thomas & Jean
2018	Sherman Road	Okruhlica	Thomas & Jean
2039	Sherman Road	Heckendorf	Melvin
2135	Sherman Road	Heller	John & Toni
2165	Sherman Road	Heller	John & Toni
2409	Sherman Road	Steitz	Robert & Donna
Lot	Sherman Road	Jackson	Roland
1646	Western Ave	Mutz	Thomas & Kim
1666	Western Ave	Lajoice	Robert
1676	Western Ave	Rosbeck	Thomas & Lynn
1708	Western Ave	LaSage	Peter & Jennifer
1730	Western Ave	Flanders	Daniel & Vicki
1740	Western Ave	Kilbourn	Christine
1750	Western Ave	Brandt	Robert & Susan
1760	Western Ave	Wanty	Francis
1770	Western Ave	Oestreich	Richard & Gladys
1780	Western Ave	Lukes	Allan & Barbara
1790	Western Ave	Ninedorf	James
1824	Western Ave	Wagner	Thomas & Gwendolyn
1836	Western Ave	Fenton	John
1880	Western Ave	West Shore Pipe Line Co	
1885	Western Ave	Vogel	William & Joyce
1915	Western Ave	Feilbach	James & Nicolle
1930	Western Ave	Bishop	Ross & Marcella
1961	Western Ave	Fitzgerald	Mark & Tammy
1964	Western Ave	Wood	Peter & Ruth
1971	Western Ave	Bournelis	James & Donna

Properties Receiving Service Connections

Property Location		Last Name	First Name
1985	Western Ave	Pipkorn	Kevin
2004	Western Ave	Ciha	Mary
2005	Western Ave	Fulton	Loyd
2015	Western Ave	Barz	Ryan
2025	Western Ave	Block	Norman
2035	Western Ave	Corlette	Daniel & Linda
2060	Western Ave	Wheeler	Lyle
2090	Western Ave	Holcomb	Gregory
2245	Western Ave	Koeller	Clifford & Doris
2250	Western Ave	Heidtke	Ray
2305	Western Ave	Boldt	Richard & Sharon
3115	Wildflower Ln	Mielke	Robert & Judi
3116	Wildflower Ln	Goniu	Brian
3127	Wildflower Ln	Johnson	Chad & Melissa
3128	Wildflower Ln	Moore	David & Kathryn
3133	Wildflower Ln	Long	Jami
3134	Wildflower Ln	Campbell	Robert & Kathryn
3151	Wildflower Ln	Carr	James & Karen
3152	Wildflower Ln	Gallitz/Utech	Jordan/Karen
3159	Wildflower Ln	Peters/Micech	Lisa/Jim
3165	Wildflower Ln	Uutala	Michael & Michelle
3166	Wildflower Ln	Strobel	Thomas & Lora
Lot 15	Wildflower Ln	Strobel/Uutala	Thomas/Michael

Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works *BWK*
Subject: Mailbox Policy per Village Code
Date: February 23, 2023
CC: Village Board

The Mailbox Policy per Section 8-128 of the Village Code has not been reviewed since 2008. The portion that has most complaints is the reimbursement section. Most people are happy with the \$30.00 reimbursement and are just appreciative of the money, although, there are others who want more.

Attached is the history of the changes from 2004, 2008, and the recodification in 2017. The mailbox policies vary from each municipality. Some municipalities require the truck must hit the mailbox for reimbursement. The snow does not count. The Village of Jackson reimburses \$30.00 with no questions asked. The questions not asked are: 1) was the mailbox in good condition; 2) was the mailbox installed per the code requirements; 3) are mailbox materials per code; 4) how the mailbox was damaged, etc.

Recommend discussion on establishing the proper amount for reimbursement. Also, attached to this memo is a basic setup for a mailbox and post from Menards. The total replacement cost is \$52.37 without labor.

If you have any questions, please let me know.

Brian W. Kober, P.E.

D. WHEN GROUPING mailboxes or newspaper boxes is required:

1. It shall be the responsibility of the mailbox holder or newspaper box holder to maintain the neat appearance of the mailbox or newspaper box and post or support.

E. SIZE OF MAILBOX shall be as required by the United States Post Office.

F. MAILBOXES, NEWSPAPER BOXES AND MAIL RECEPTACLES SHALL CONFORM to U.S. Postal Service Specifications..

G. THE VILLAGE SHALL NOT BE RESPONSIBLE for any damages incurred to newspaper boxes nor any other standards except for mailboxes, inflicted by Village snow removal equipment. (#97-07)

H. MAILBOX REIMBURSEMENT

1. The Village of Jackson will make available up to ten (10) temporary mailboxes that will be supplied to residents for up to thirty (30) days, at no charge, if their mailbox is damaged by Village snowplow operations.
2. The Village must be notified at the time the mailbox is discovered to be damaged by Village snowplow operations.
3. The resident shall submit a written claim describing the damage done to their mailbox by Village snowplow operations, within ten (10) days of the occurrence.
4. The resident shall notify the Village for inspection of the mailbox, when it has been repaired.
5. When both the written claim is submitted to the Village, and the mailbox is repaired and inspected, then the Village shall reimburse the resident thirty (\$30.00 per snowplowing season.
6. Any resident who would request additional compensation, shall ask to be put on the Board of Public Works agenda, so they may present their claim. (#04-03)

10.11 VARIANCES.

A. THE BOARD OF APPEALS SHALL:

1. Hear and decide appeals from the rulings of the Building Inspector.
2. Permit such variance from the terms of this Chapter as will not be contrary to the public interests.

blighted so as to offend the esthetic character of the immediate neighborhood or produce blight, he may proceed under Section 66.05 (8), Wisconsin Statutes to require the owner to correct the blighting defects or conditions.

10.09 FENCES: KIND AND CONSTRUCTION.

- A. No fence shall exceed a maximum height of six (6) feet unless a Conditional Use or PUD Amendment is granted.
- B. All fences shall be self-supported structures.
- C. Fencing may enclose the rear yard, but may not extend beyond the front yard setback, unless the fence height is no more than thirty-six (36) inches high and the height of the posts supporting the fence are not more than forty-two (42) inches high when measured from ground level. Fence posts shall face the owner's side of the fence. Such a fence shall not appear to be a total screen, when viewed at a 90-degree angle to the fence. All front yard fencing shall be reviewed for sight line conflict by the ~~Public Safety Department~~ Jackson Police Department or the Jackson Building Inspector. Any deviation of these requirements shall require a conditional use permit. (99-20)
- D. The owner of any fence shall maintain the fence on both sides, unless otherwise agreed to in writing.
- E. There shall be no barbed wire or electric fences. This subsection shall not apply in areas used for agricultural purposes.
- F. Permission must be obtained from the adjacent property owner if the fence is to be built within three (3) feet of the ~~on~~ property line(s) before construction will be permitted. Permission is to be furnished to the Building Inspector in written form.
- G. The permit fee for all fences is set forth by Resolution.
- H. No permits for fences on vacant lots shall be issued without approval of the Village.

10.10 MAIL BOXES, MAIL RECEPTACLES AND NEWSPAPER BOXES.

- A. DEFINITIONS FOR THE PURPOSES OF THIS SECTION SHALL BE:
 - 1. Mail Box. That freestanding container, designed and located adjacent to roadways to accommodate mail pick-up and delivery from a vehicle, and shall be installed as per requirements of the United States Post Office.
 - 2. Mail Receptacle. That container attached to a building, designed and located to accommodate mail pick-up and delivery by U.S. Postal Service employees on foot and shall be installed as per requirements of the United States Post Office.

B. THE MAILBOX OR NEWSPAPER BOX OR SUPPORT SHALL:

1. If of wood, be no more than 5" in diameter, if round, 4"x 4", if of dressed lumber.
2. If of metal, have nominal inside diameter no greater than 1 ½".
3. Be securely anchored in the ground at a minimum depth of two (2) feet and a maximum depth of three (3) feet.
4. Not be heavy metal posts or pipes, concrete posts, or miscellaneous items of farm equipment such as milk cans filled with concrete.

C. MAILBOXES AND NEWSPAPER BOXES shall be firmly attached to their post or support.

D. WHEN GROUPING mailboxes or newspaper boxes are required:

1. It shall be the responsibility of the mailbox holder or newspaper box holder to maintain the neat appearance of the mailbox or newspaper box and post or support.

E. SIZE OF MAILBOX shall be as required by the United States Post Office.

F. MAILBOXES, NEWSPAPER BOXES AND MAIL RECEPTACLES SHALL CONFORM to U.S. Postal Service Specifications.

G. THE VILLAGE SHALL NOT BE RESPONSIBLE for any damages incurred to newspaper boxes ~~nor~~ or any other standards except for mailboxes ~~inflicted~~ damaged by Village snow removal equipment. (#97-07)

H. MAILBOX REIMBURSEMENT

1. The Village of Jackson will make available up to ten (10) temporary mailboxes that will be supplied to residents for up to thirty (30) days, at no charge, if their mailbox is damaged by Village snowplow operations.
2. The Village must be notified at the time the mailbox is discovered to be damaged by Village snowplow operations.
3. The resident shall submit a written claim describing the damage done to their mailbox by Village snowplow operations, within ten (10) days of the occurrence.
4. The resident shall notify the Village for inspection of the mailbox, when it has been repaired.

5. When both the written claim is submitted to the Village, and the mailbox is repaired and inspected, then the Village shall reimburse the resident per the approved fee schedule, ~~thirty (\$30.00)~~ per snowplowing season.
6. Any resident who would request additional compensation shall ask to be put on the Board of Public Works agenda, so they may present their claim.
(#04-03)

10.11 VARIANCES.

A. THE BOARD OF APPEALS SHALL:

1. Hear and decide appeals from the rulings of the Building Inspector.
2. Permit such variance from the terms of this Chapter as will not be contrary to the public interests.
3. Any action taken by the Board shall be at a public hearing, after notice thereof has been given by publication for one week in the official newspaper of the Village.

10.12 ENERGY CONSERVATION.

- A. ~~Chapter IND-22~~, Wis. Adm. Code SPS 322, Energy Conservation Standards Chapter of the One (1) and Two (2) Family Dwelling Code, as adopted and effective December 1, 1978, and all amendments thereto, is adopted and incorporated in this Code by reference. All one (1) and two (2) family buildings constructed after December 1, 1978 shall meet the current energy conservation code in effect.
- B. The Building Inspector, as certified by the ~~Department of Industry, Labor and Human Relations~~ WI Dept. of Safety & Professional Services, and his designated representatives are authorized and directed to administer and enforce all of the provisions of Chapter ~~IND-22~~ SPS 322.

10.13 PRIVATE SWIMMING POOLS.

- A. DEFINITION. The term "pool" is hereby defined as a receptacle for water, whether above or below ground, intended for use by the owner, his friends and invited guests, for bathing or swimming.
- B. PERMIT REQUIRED. All pools with a water depth of two (2) feet or more shall require a building permit from the Building Inspector prior to construction or installation. (#03-12)
- C. LOCATION. No pool shall be located closer than six (6) feet to any lot line on the property on which the pool is constructed.

(b) All fences shall be self-supported structures. There shall be no barbed wire or electric fences, except in areas used for agricultural purposes. No permits for fences on vacant lots shall be issued without approval of the village.

(c) Fencing may enclose the rear yard, but may not extend beyond the front yard setback, unless the fence height is no more than 36 inches high and the height of the posts supporting the fence are not more than 42 inches high when measured from ground level. Fence posts shall face the owner's side of the fence. Such a fence shall not appear to be a total screen, when viewed at a 90-degree angle to the fence. All front yard fencing shall be reviewed for sight line conflict by the village police department or the village building inspector. Any deviation of these requirements shall require a conditional use permit.

(d) Permission must be obtained from the adjacent property owner if the fence is to be built within three feet of the property lines before construction will be permitted. Permission is to be furnished to the building inspector in written form.

(e) The owner of any fence shall maintain the fence on both sides, unless otherwise agreed to in writing.

(Prior Code, § 10.09)

→ **Sec. 8-128. Mailboxes, mail receptacles and newspaper boxes.**

(a) Definitions. The following words, terms and phrases, when used in this section, shall have the meanings ascribed to them in this subsection, except where the context clearly indicates a different meaning:

Mail receptacle means that container attached to a building, designed and located to accommodate mail pick-up and delivery by federal postal service employees on foot, and shall be installed as per requirements of the United States Post Office.

Mailbox means that freestanding container, designed and located adjacent to roadways to accommodate mail pick-up and delivery from a vehicle, and shall be installed as per requirements of the United States Post Office.

(b) The mailbox or newspaper box or support shall:

- (1) If of wood, be no more than five inches in diameter; if round, four inches by four inches, if of dressed lumber.
- (2) If of metal, have nominal inside diameter no greater than 1.5 inches.
- (3) Be securely anchored in the ground at a minimum depth of two feet and a maximum depth of three feet.
- (4) Not be heavy metal posts or pipes, concrete posts, or miscellaneous items of farm equipment such as milk cans filled with concrete.

(c) Mailboxes and newspaper boxes shall be firmly attached to their post or support.

(d) When grouping mailboxes or newspaper boxes are required, it shall be the responsibility of the mailbox holder or newspaper box holder to maintain the neat appearance of the mailbox or newspaper box and post or support.

(e) Size of mailbox shall be as required by the United States Post Office and mailboxes, newspaper boxes and mail receptacles shall conform to federal postal service specifications.

(f) The village shall not be responsible for any damages incurred to newspaper boxes or any other standards except for mailboxes damaged by village snow removal equipment. The village will make available up to ten temporary mailboxes that will be supplied to residents for up to 30 days, at no charge, if their mailbox is damaged by village snowplow operations. The village must be notified at the time the mailbox is discovered to be damaged by village snowplow operations. The resident shall submit a written claim describing the damage done to their mailbox by village snowplow operations, within ten days of the occurrence. The resident shall notify the village for inspection of the mailbox, when it has been repaired. When both the written claim is submitted to the village, and the mailbox is repaired and inspected, then the village shall reimburse the resident per the approved fee schedule, per snowplowing season. Any resident who would request additional compensation shall ask to be put on the budget and finance and village board agendas, so they may present their claim.

(Prior Code, § 10.10)

Sec. 8-129. Private swimming pools.

(a) *Definition.* The term "pool" is hereby defined as a receptacle for water, whether above or below ground, intended for use by the owner, his friends and invited guests, for bathing or swimming.

(b) *Permit required.* All pools with a water depth of two feet or more shall require a building permit from the building inspector prior to construction or installation.

(c) *Location.* No pool shall be located closer than six feet to any lot line on the property on which the pool is constructed.

(d) *Fencing requirements.* In-ground pools shall be completely fenced, before filling, with a fence of at least four feet in height, but not more than six feet in height. Access to the pool shall be through a gate or gates in the fence equipped with a lock or self-latching device at the top of the gate or gates. There shall be no more than four inches between the bottom of the fence and the grade of the lot. Above-ground pools, which have a height of less than 42 inches above grade at the poolside, shall be fenced in the same manner as required for in-ground pools and shall be covered when not in use by a sturdy and secure pool cover or emptied.

(e) *Electrical installations.* All electrical wiring associated with swimming pools shall require a permit. All electrical wiring for swimming pools shall comply with the National Electrical Code (NEC). Lights used to illuminate the pool shall direct light only on the pool.

Gibraltar Mailboxes® Elite Black Post-Mount Mailbox

Model Number: E1100B00 | Menards® SKU: 2156925



EVERYDAY LOW PRICE

\$21.87

11% MAIL-IN REBATE Good Through 2/26/23

\$2.41

FINAL PRICE

\$19.46 each

You Save \$2.41 with Mail-In Rebate

- Rust-resistant galvanized steel for durability
- Medium capacity accommodates average volume mail deliveries
- Glossy black powder-coated finish to resist rust and elements
- Fully assembled with predrilled holes on side and bottom to reduce installation time
- Match with Gibraltar Mailboxes® posts with the designation letter A

[View More Information >](#)

Color: Black



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Shipping & Delivery

Available

Description & Documents

Our most popular mailbox features a standard size and smooth exterior surface that is perfect for most residences. Incorporating a steel latch, the door is embossed with an eagle for a classic look that complements any curbside. The medium size capably holds mail, magazines, padded envelopes, and even small boxes. It is sold fully assembled to reduce installation time. Mounting hardware is sold separately.

Brand Name: [Gibraltar Mailboxes](#)



Features

- Rust-resistant galvanized steel for durability
- Medium capacity accommodates average volume mail deliveries
- Glossy black powder-coated finish to resist rust and elements
- Fully assembled with predrilled holes on side and bottom to reduce installation time
- Match with Gibraltar Mailboxes® posts with the designation letter A
- Mounting hardware sold separately
- Adjustable door latch can be modified for tighter grip
- Embossed space provided on mailbox door for address numbers
- Model may vary

Specifications

Assembly Details	Preassembled	Color/Finish	Black
Listing Agency Standards	U.S. Postmaster General Approved	Manufacturer Warranty	90 Days
Material	Galvanized Steel	Mounting Type	Post Mount
Overall Depth	20 1/9 inches	Overall Height	9 inches
Overall Width	7 inches	Product Type	Mailboxes
Weight	4 3/5 pounds	Shipping Dimensions	20.50 H x 8.88 W x 7.25 D
Shipping Weight	5.3125 lbs	Return Policy	Regular Return (view Return Policy)

Email Address

ZIP Code

Sign Up

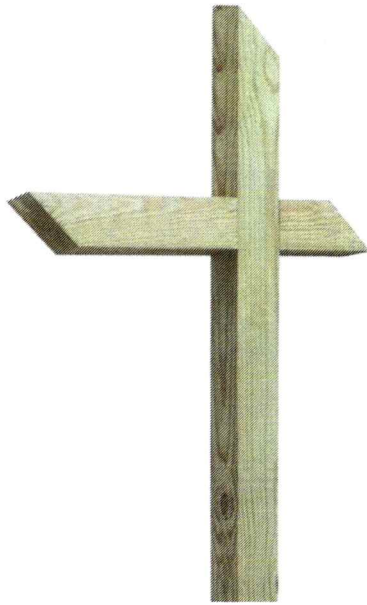
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Scottsdale 82-3/4" Unfinished Mailbox Post

Model Number: 493966 | Menards® SKU: 2155721



EVERYDAY LOW PRICE

\$36.98

11% MAIL-IN REBATE Good Through 2/26/23

\$4.07

FINAL PRICE

\$32.91 each

You Save \$4.07 with Mail-In Rebate

- Natural unfinished design
- Pine material
- Treated to resist moisture, rot, and decay

[View More Information >](#)



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15 In-Stock at [WEST MILWAUKEE](#)
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Shipping & Delivery

Available

Description & Documents

This classic Scottsdale mailbox post is perfect for all your mailbox needs! The woods design can easily be boosted by adding a fun mailbox to it, giving your yard or driveway some curb appeal!



Brand Name: **Outdoor Essentials**

Features

- Natural unfinished design
- Pine material
- Treated to resist moisture, rot, and decay

Specifications

Assembly Details	Preassembled	Color/Finish	Natural
Material	Pine	Mounting Type	Post-Mount
Overall Depth	31 1/2 inches	Overall Height	82 3/4 inches
Overall Width	3 3/4 inches	Product Type	Mailbox Posts
Shipping Dimensions	82.00 H x 31.00 W x 3.50 D	Shipping Weight	40.0 lbs
Return Policy	Regular Return (view Return Policy)		

Please Note: Prices, promotions, styles and availability may vary by store and online. Inventory is sold and received continuously throughout the day; therefore, the quantity shown may not be available when you get to the store. This inventory may include a store display unit. Online orders and products purchased in-store qualify for rebate redemption. Mail-in Rebate is in the form of merchandise credit check, valid in-store only. Merchandise credit check is not valid towards purchases made on MENARDS.COM®. By submitting this rebate form, you agree to resolve any disputes related to rebate redemption by binding arbitration and you waive any right to file or participate in a class action. Terms and conditions available at www.rebateinternational.com®

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Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works 
Subject: Jackson Sewer and Water Utilities Rate Increase
Date: February 23, 2023
CC: Village Board

During the Wastewater Treatment Plant Facilities Plan discussion, a topic covered was future rates for the Jackson Sewer Utility to fund the Plant expansion project. The discussion was referred to a later date, and the time has arrived. Also, the Jackson Water Utility rate increase should be discussed at the same time. In past practice, Jackson Water Utility would complete the simplified rate case (SRC) through the Public Service Commission, and the resulted rate increase would be accepted by both Utilities.

The plan was to complete the SRC with an application date of April 15, 2023, and an effective date of July 1, 2023. The issue we have is the 2022 WEGS Annual Report must be filed with the PSC before an SRC application can be started. The report is usually done with the annual budget audit. The water rate increase only needs PSC approval, which the sewer rate increase only needs Village Board approval.

Recommend starting the discussion on rate increase for both Utilities and implement a timeline for the rate increase when the SRC process becomes available.

If you have any questions, please let me know.

Brian W. Kober, P.E.



E-Services Portal



Simplified Rate Case (SRC) Application

The Simplified Rate Case (SRC) is a simple and convenient means for municipal utilities to increase water and sewer rates. This is an inflationary type increase that helps utilities maintain rate continuity so that customers benefit from smaller, more frequent rate increases. The SRC process includes a SRC application and a notice to customers, but does not require a public hearing. This process is further explained in the instructions below. Please review the entire SRC Application Instructions below before proceeding.

SRC Application Instructions

If the utility has any questions about the SRC process, please call (608) 266-3766 or email PSCWaterAppMail@wisconsin.gov

As of March 1 2022, the rate increase factor is 4.5 percent, and the current overall rate of return is 4.9 percent. (PSC ERF#: [430482](#))

Please note that the application is not filed, and thus rates cannot be implemented, until the utility uploads the PDF application to the PSC's Electronic Records Filing (ERF) System and the PSC issues a final decision.

Utility Name: Village of Jackson Water Utility (2720) ▼

Date
Application will be Filed with the PSC: 4/15/23 (MM/dd/yy) *Note: be sure this is the date that the application will be uploaded to ERF and not today's date. That date must be on or after the date that the utility will issue a Customer Notice as described below.*

Proposed Effective Date: 07/01/23 (MM/dd/yy) *Note: See definition of effective date in SRC instructions. This date is unlikely to be a weekend or holiday.*

Industry: Water ▼

[Continue - SRC Eligibility Review](#)

The 2022 WEWS Annual Report must be filed with the PSC before an SRC application can be started.

Summary of Sewer & Water Utility Rates of Local Municipalities

	SEWER RATES		WATER RATES			SEPTIC HAULER RATES				
Name of Municipality	VOLUME CHARGES PER 1,000 GALLONS	Quarterly Service Charge 3/4 Meter	VOLUME CHARGES PER 1,000 GALLONS	Quarterly Service Charge 3/4 Meter	Fixed Charge per load dumped	Holding Tank per 1,000 gals	Septic System per 1,000 gals	Septic Decant per 1,000 gals	Grease Decant per 1,000 gals	Grease per 1,000 gals
GRAFTON	\$8.17	\$63.00	\$2.87	\$20.86	\$5.00	\$7.50	\$45.00			
HARTFORD - CITY	\$4.42	\$14.82	\$4.95	\$13.50		\$7.50	\$40.00			
SLINGER	\$9.34		\$4.00	\$8.00		\$9.00	\$47.00	\$20.00		
KEWASKUM	\$14.74	\$33.92	\$2.86	\$23.76		.012/gal	.012/gal			
WEST BEND - 748 GALS = 1 UNIT	\$2.44 PER UNIT	\$20.70	\$2.27	\$21.00						
CEDARBURG	\$10.00		\$3.43	\$10.15	\$10.00	\$9.25	\$51.00			
JACKSON	\$5.04	\$23.64	\$2.70	\$27.52		\$8.00	\$45.00	\$25.00	\$40.00	\$100.00
Increase (3.5%)	\$5.22	\$24.47	\$2.79	\$28.48		\$8.25	\$50.00	\$25.00	\$40.00	\$125.00

Assumptions Notes:
1. Assumes \$0 grant for the phosphorus work
2. Census MHI = \$70,974 2% of MHI = \$1,419.48/yr, \$118.29/month
3. Assumes 0% CWF Grant Funding for the Phase 2 projects

Option #1 - Stepped Rate Increase

ASSUMPTIONS		
WWTP Annual O&M Costs		Existing plant
WWTP Annual Replacement Fund Costs		Existing plant
Annual % Rate Increase		
Connection Fee	\$ 4,000	
Interest Income Rate Assumed	0.5%	
Other Income Annual Increase	0.0%	

Annual % Increase
1.75%
0.0%
0.0%

FACILITIES UPGRADES	Capital Costs	Cash Contrib	Grant \$	Net Cost	Interest Rate	Payback Yrs	Rate Factor	Yearly Paymt
Phase 1 Construction (Assumed 2024)	\$9,802,000	\$2,000,000	\$0	\$7,802,000	3.000%	20	0.0672	\$524,417
Phase 2a Construction (Assumed 2026)	\$14,399,800	\$0	\$0	\$14,399,800	3.000%	20	0.0672	\$967,893
Phase 2b Construction (Assumed 2028)	\$7,660,300	\$0	\$0	\$7,660,300	3.000%	20	0.0672	\$514,892

Cash and Equivalents Available as of December 31 2020, 2021	\$ 838,822	\$ 1,681,479
Equipment and Replacement Fund as of December 31 2020, 2021	\$ 1,067,078	\$ 1,254,231
Capital Projects Restricted Fund as of December 31, 2020, 2021	\$ 1,971,035	\$ 2,021,949

BUDGET ITEM	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
EXPENSES																	
Ex. Debt Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Loans / Debt																	
Phase 1 - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ 262,208	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417
Phase 2a - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 483,946	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893
Phase 2b - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,446	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892
Estimated Outside Services Costs - Facilities Upgrade	\$ -	\$ -	\$ -	\$ 500,000	\$ 400,000	\$ 700,000	\$ 700,000	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
O&M																	
Annual Operation and Maintenance Costs	\$ 1,175,464	\$ 1,103,644	\$ 1,122,958	\$ 1,142,610	\$ 1,162,605	\$ 1,182,951	\$ 1,203,652	\$ 1,224,716	\$ 1,246,149	\$ 1,267,956	\$ 1,290,146	\$ 1,312,723	\$ 1,335,696	\$ 1,359,071	\$ 1,382,854	\$ 1,407,054	\$ 1,431,678
Collection System Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement																	
WWTP Replacement Fund Deposit	\$ 96,959	\$ 10,122	\$ -	\$ -	\$ 71,211	\$ 71,211	\$ 163,766	\$ 163,766	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823
TOTAL ANNUAL EXPENSES	\$ 1,272,423	\$ 1,113,766	\$ 1,122,958	\$ 1,642,610	\$ 1,896,025	\$ 2,478,579	\$ 3,075,782	\$ 3,280,792	\$ 3,588,728	\$ 3,467,982	\$ 3,490,171	\$ 3,512,748	\$ 3,535,721	\$ 3,559,096	\$ 3,582,880	\$ 3,607,079	\$ 3,631,703
REVENUES																	
User Charge Revenues	\$ 1,603,106	\$ 1,701,872	\$ 1,706,645	\$ 1,711,418	\$ 1,716,191	\$ 1,720,964	\$ 2,584,530	\$ 2,592,930	\$ 3,083,732	\$ 3,093,932	\$ 3,104,132	\$ 3,114,332	\$ 3,124,532	\$ 3,134,732	\$ 3,144,932	\$ 3,155,132	\$ 3,165,332
Industrial Surcharge	\$ 66,218	\$ 53,815	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
CWF Reimbursement - outside services	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 1,400,000	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash from Replacement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Cash on Hand	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hauled Waste Revenue	\$ 205,556	\$ 209,458	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Outside Services Reimbursement	\$ 15,377	\$ 3,197	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Connection / Impact Fees	\$ 198,479	\$ 272,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
S. Interceptor Impact Fee	\$ 389,164	\$ 4,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income	\$ 15,024	\$ 1,951	\$ 8,407	\$ 13,693	\$ 15,930	\$ 31,436	\$ 29,630	\$ 36,147	\$ 34,713	\$ 38,187	\$ 38,333	\$ 38,419	\$ 38,444	\$ 38,405	\$ 38,301	\$ 38,127	\$ 37,883
TOTAL ACTUAL ANNUAL REVENUE	\$ 2,492,924	\$ 2,247,195	\$ 2,180,053	\$ 2,090,111	\$ 4,997,121	\$ 2,117,400	\$ 4,379,160	\$ 2,994,077	\$ 4,283,445	\$ 3,497,118	\$ 3,507,464	\$ 3,517,751	\$ 3,527,976	\$ 3,538,137	\$ 3,548,232	\$ 3,558,259	\$ 3,568,215
EXCESS REVENUE FOR THIS FISCAL YEAR	\$ 1,220,501	\$ 1,133,429	\$ 1,057,095	\$ 447,501	\$ 3,101,097	\$ (361,179)	\$ 1,303,378	\$ (286,715)	\$ 694,717	\$ 29,137	\$ 17,293	\$ 5,002	\$ (7,746)	\$ (20,959)	\$ (34,647)	\$ (48,821)	\$ (63,488)
CARRYOVER FROM PREVIOUS YEAR	\$ -	\$ -	\$ 1,681,479	\$ 2,738,574	\$ 3,186,075	\$ 6,287,172	\$ 5,925,993	\$ 7,229,372	\$ 6,942,657	\$ 7,637,374	\$ 7,666,510	\$ 7,683,804	\$ 7,688,806	\$ 7,681,060	\$ 7,660,101	\$ 7,625,454	\$ 7,576,633
TOTAL AVAILABLE CARRYOVER	\$ 1,681,479	\$ 1,133,429	\$ 2,738,574	\$ 3,186,075	\$ 6,287,172	\$ 5,925,993	\$ 7,229,372	\$ 6,942,657	\$ 7,637,374	\$ 7,666,510	\$ 7,683,804	\$ 7,688,806	\$ 7,681,060	\$ 7,660,101	\$ 7,625,454	\$ 7,576,633	\$ 7,513,145
REVENUE DETAILS																	
Equivalent Meters Added Per Year	25																
Monthly Usage per Meter (gallons)	3,257																
Estimated Number of Equivalent Meters	3,823	3,873	3,898	3,923	3,948	3,973	3,998	4,023	4,048	4,073	4,098	4,123	4,148	4,173	4,198	4,223	4,248
Estimated Annual Water Usage (1000 gallons)	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400
ESTIMATED QUARTERLY USER CHARGES																	
Fixed Charges on Debt																	
Actual Monthly Fixed Charge per Equivalent Meter Implemented	\$ 15.91	\$ 15.91	\$ 15.91	\$ 15.91	\$ 15.91	\$ 15.91	\$ 28.00	\$ 28.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00	\$ 34.00
Actual Annual Fixed Charge Revenue Generated	\$ 729,805	\$ 739,351	\$ 744,124	\$ 748,897	\$ 753,670	\$ 758,443	\$ 1,343,184	\$ 1,351,584	\$ 1,651,409	\$ 1,661,609	\$ 1,671,809	\$ 1,682,009	\$ 1,692,209	\$ 1,702,409	\$ 1,712,609	\$ 1,722,809	\$ 1,733,009
Variable Charges - O, M & R Costs (Cost per 1000 gallons)																	
Actual Variable Charge per 1000 Gallons Implemented	\$ 5.04	\$ 5.04	\$ 5.04	\$ 5.04	\$ 5.04	\$ 5.04	\$ 6.50	\$ 6.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50	\$ 7.50
Actual Annual Variable Charge Revenue Generated	\$ 962,521	\$ 962,521	\$ 962,521	\$ 962,521	\$ 962,521	\$ 962,521	\$ 1,241,347	\$ 1,241,347	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323	\$ 1,432,323
TOTAL ACTUAL MONTHLY USER CHARGE PER RESIDENTIAL USER	\$ 32.33	\$ 32.33	\$ 32.33	\$ 32.33	\$ 32.33	\$ 32.33	\$ 49.17	\$ 49.17	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43	\$ 58.43
REVENUE GENERATED BY RATES	\$ 1,692,326	\$ 1,701,872	\$ 1,706,645	\$ 1,711,418	\$ 1,716,191	\$ 1,720,964	\$ 2,584,530	\$ 2,592,930	\$ 3,083,732	\$ 3,093,932	\$ 3,104,132	\$ 3,114,332	\$ 3,124,532	\$ 3,134,732	\$ 3,144,932	\$ 3,155,132	\$ 3,165,332
Replacement Fund - Can be used to offset costs	\$ 1,067,078	\$ 1,254,231	\$ 1,254,231	\$ 1,254,231	\$ 1,325,442	\$ 1,396,653	\$ 1,560,419	\$ 1,724,185	\$ 1,917,008	\$ 2,109,831	\$ 2,302,654	\$ 2,495,477	\$ 2,688,300	\$ 2,881,123	\$ 3,073,946	\$ 3,266,769	\$ 3,459,592
Revised Debt Coverage Ratio Calculation					354%	177%	176%	118%	128%	111%	110%	110%	109%	108%	108%	107%	106%

Assumptions Notes:
1. Assumes \$0 grant for the phosphorus work
2. Census MHI = \$70,974 2% of MHI = \$1,419.48/yr, \$118.29/month
3. Assumes 0% CWF Grant Funding for the Phase 2 projects

Option #2 - Annual % Increase

ASSUMPTIONS		
WWTP Annual O&M Costs		Existing plant
WWTP Annual Replacement Fund Costs		Existing plant
Annual % Rate Increase		
Connection Fee	\$ 4,000	
Interest Income Rate Assumed	0.5%	
Other Income Annual Increase	0.0%	

Annual % Increase
1.75%
0.0%
8.0%

FACILITIES UPGRADES	Capital Costs	Cash Contrib	Grant \$	Net Cost	Interest Rate	Payback Yrs	Rate Factor	Yearly Paymt
Phase 1 Construction (Assumed 2024)	\$9,802,000	\$2,000,000	\$0	\$7,802,000	3.000%	20	0.0672	\$524,417
Phase 2a Construction (Assumed 2026)	\$14,399,800	\$0	\$0	\$14,399,800	3.000%	20	0.0672	\$967,893
Phase 2b Construction (Assumed 2028)	\$7,660,300	\$0	\$0	\$7,660,300	3.000%	20	0.0672	\$514,892

Cash and Equivalents Available as of December 31 2020, 2021	\$ 838,822	\$ 1,681,479
Equipment and Replacement Fund as of December 31 2020, 2021	\$ 1,067,078	\$ 1,254,231
Capital Projects Restricted Fund as of December 31, 2020, 2021	\$ 1,971,035	\$ 2,021,949

BUDGET ITEM	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
EXPENSES																	
Ex. Debt Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Loans / Debt																	
Phase 1 - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ 262,208	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417
Phase 2a - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 483,946	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893
Phase 2b - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,446	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892
Estimated Outside Services Costs - Facilities Upgrade	\$ -	\$ -	\$ -	\$ 500,000	\$ 400,000	\$ 700,000	\$ 700,000	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
O&M																	
Annual Operation and Maintenance Costs	\$ 1,175,464	\$ 1,103,644	\$ 1,122,958	\$ 1,142,610	\$ 1,162,605	\$ 1,182,951	\$ 1,203,652	\$ 1,224,716	\$ 1,246,149	\$ 1,267,956	\$ 1,290,146	\$ 1,312,723	\$ 1,335,696	\$ 1,359,071	\$ 1,382,854	\$ 1,407,054	\$ 1,431,678
Collection System Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement																	
WWTP Replacement Fund Deposit	\$ 96,959	\$ 10,122	\$ -	\$ -	\$ 71,211	\$ 71,211	\$ 163,766	\$ 163,766	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823
TOTAL ANNUAL EXPENSES	\$ 1,272,423	\$ 1,113,766	\$ 1,122,958	\$ 1,642,610	\$ 1,896,025	\$ 2,478,579	\$ 3,075,782	\$ 3,280,792	\$ 3,588,728	\$ 3,467,982	\$ 3,490,171	\$ 3,512,748	\$ 3,535,721	\$ 3,559,096	\$ 3,582,880	\$ 3,607,079	\$ 3,631,703
REVENUES																	
User Charge Revenues	\$ 1,603,106	\$ 1,701,872	\$ 1,706,645	\$ 1,848,332	\$ 2,001,765	\$ 2,167,919	\$ 2,347,846	\$ 2,542,687	\$ 2,753,676	\$ 2,982,150	\$ 3,229,557	\$ 3,238,391	\$ 3,247,226	\$ 3,256,060	\$ 3,264,895	\$ 3,273,729	\$ 3,282,564
Industrial Surcharge	\$ 66,218	\$ 53,815	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
CWF Reimbursement - outside services	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 1,400,000	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash from Replacement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Cash on Hand	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hauled Waste Revenue	\$ 205,556	\$ 209,458	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Outside Services Reimbursement	\$ 15,377	\$ 3,197	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Connection / Impact Fees	\$ 198,479	\$ 272,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
S. Interceptor Impact Fee	\$ 389,164	\$ 4,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income	\$ 15,024	\$ 1,951	\$ 8,407	\$ 13,693	\$ 16,615	\$ 33,552	\$ 33,991	\$ 39,346	\$ 37,678	\$ 39,516	\$ 39,109	\$ 39,827	\$ 40,479	\$ 41,064	\$ 41,579	\$ 42,022	\$ 42,390
TOTAL ACTUAL ANNUAL REVENUE	\$ 2,492,924	\$ 2,247,195	\$ 2,180,053	\$ 2,227,024	\$ 5,283,380	\$ 2,566,471	\$ 4,146,837	\$ 2,947,034	\$ 3,956,354	\$ 3,386,666	\$ 3,633,666	\$ 3,643,218	\$ 3,652,705	\$ 3,662,124	\$ 3,671,474	\$ 3,680,751	\$ 3,689,954
EXCESS REVENUE FOR THIS FISCAL YEAR	\$ 1,220,501	\$ 1,133,429	\$ 1,057,095	\$ 584,415	\$ 3,387,356	\$ 87,892	\$ 1,071,056	\$ (333,758)	\$ 367,626	\$ (81,315)	\$ 143,495	\$ 130,470	\$ 116,984	\$ 103,029	\$ 88,594	\$ 73,672	\$ 58,251
CARRYOVER FROM PREVIOUS YEAR	\$ -	\$ -	\$ 1,681,479	\$ 2,738,574	\$ 3,322,989	\$ 6,710,344	\$ 6,798,236	\$ 7,869,292	\$ 7,535,534	\$ 7,903,160	\$ 7,821,844	\$ 7,965,339	\$ 8,095,809	\$ 8,212,793	\$ 8,315,822	\$ 8,404,416	\$ 8,478,088
TOTAL AVAILABLE CARRYOVER	\$ 1,681,479	\$ 1,133,429	\$ 2,738,574	\$ 3,322,989	\$ 6,710,344	\$ 6,798,236	\$ 7,869,292	\$ 7,535,534	\$ 7,903,160	\$ 7,821,844	\$ 7,965,339	\$ 8,095,809	\$ 8,212,793	\$ 8,315,822	\$ 8,404,416	\$ 8,478,088	\$ 8,536,339
REVENUE DETAILS																	
Equivalent Meters Added Per Year	25																
Monthly Usage per Meter (gallons)	3,257																
Estimated Number of Equivalent Meters	3,823	3,873	3,898	3,923	3,948	3,973	3,998	4,023	4,048	4,073	4,098	4,123	4,148	4,173	4,198	4,223	4,248
Estimated Annual Water Usage (1000 gallons)	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400
ESTIMATED QUARTERLY USER CHARGES																	
Fixed Charges on Debt																	
Actual Monthly Fixed Charge per Equivalent Meter Implemented	\$ 15.91	\$ 15.91	\$ 15.91	\$ 17.18	\$ 18.56	\$ 20.04	\$ 21.65	\$ 23.38	\$ 25.25	\$ 27.27	\$ 29.45	\$ 29.45	\$ 29.45	\$ 29.45	\$ 29.45	\$ 29.45	\$ 29.45
Actual Annual Fixed Charge Revenue Generated	\$ 729,805	\$ 739,351	\$ 744,124	\$ 808,809	\$ 879,081	\$ 955,420	\$ 1,038,347	\$ 1,128,428	\$ 1,226,276	\$ 1,332,558	\$ 1,447,998	\$ 1,456,832	\$ 1,465,667	\$ 1,474,501	\$ 1,483,336	\$ 1,492,170	\$ 1,501,005
Variable Charges - O, M & R Costs (Cost per 1000 gallons)																	
Actual Variable Charge per 1000 Gallons Implemented	\$ 5.04	\$ 5.04	\$ 5.04	\$ 5.44	\$ 5.88	\$ 6.35	\$ 6.86	\$ 7.41	\$ 8.00	\$ 8.64	\$ 9.33	\$ 9.33	\$ 9.33	\$ 9.33	\$ 9.33	\$ 9.33	\$ 9.33
Actual Annual Variable Charge Revenue Generated	\$ 962,521	\$ 962,521	\$ 962,521	\$ 1,039,523	\$ 1,122,685	\$ 1,212,499	\$ 1,309,499	\$ 1,414,259	\$ 1,527,400	\$ 1,649,592	\$ 1,781,559	\$ 1,781,559	\$ 1,781,559	\$ 1,781,559	\$ 1,781,559	\$ 1,781,559	\$ 1,781,559
TOTAL ACTUAL MONTHLY USER CHARGE PER RESIDENTIAL USER	\$ 32.33	\$ 32.33	\$ 32.33	\$ 34.91	\$ 37.71	\$ 40.72	\$ 43.98	\$ 47.50	\$ 51.30	\$ 55.40	\$ 59.84	\$ 59.84	\$ 59.84	\$ 59.84	\$ 59.84	\$ 59.84	\$ 59.84
REVENUE GENERATED BY RATES	\$ 1,692,326	\$ 1,701,872	\$ 1,706,645	\$ 1,848,332	\$ 2,001,765	\$ 2,167,919	\$ 2,347,846	\$ 2,542,687	\$ 2,753,676	\$ 2,982,150	\$ 3,229,557	\$ 3,238,391	\$ 3,247,226	\$ 3,256,060	\$ 3,264,895	\$ 3,273,729	\$ 3,282,564
Replacement Fund - Can be used to offset costs	\$ 1,067,078	\$ 1,254,231	\$ 1,254,231	\$ 1,254,231	\$ 1,325,442	\$ 1,396,653	\$ 1,560,419	\$ 1,724,185	\$ 1,917,008	\$ 2,109,831	\$ 2,302,654	\$ 2,495,477	\$ 2,688,300	\$ 2,881,123	\$ 3,073,946	\$ 3,266,769	\$ 3,459,592
Revised Debt Coverage Ratio Calculation					464%	263%	153%	115%	109%	105%	117%	116%	115%	114%	114%	113%	112%

Assumptions Notes:
1. Assumes \$0 grant for the phosphorus work
2. Census MHI = \$70,974 2% of MHI = \$1,419.48/yr, \$118.29/month
3. Assumes 0% CWF Grant Funding for the Phase 2 projects

Option #3 - Annual % Increase + Stepped Increase

ASSUMPTIONS		Annual % Increase	
WWTP Annual O&M Costs	Existing plant	1.75%	
WWTP Annual Replacement Fund Costs	Existing plant	0.0%	
Annual % Rate Increase		3.5%	
Connection Fee	\$ 4,000		
Interest Income Rate Assumed	0.5%		
Other Income Annual Increase	0.0%		

FACILITIES UPGRADES	Capital Costs	Cash Contrib	Grant \$	Net Cost	Interest Rate	Payback Yrs	Rate Factor	Yearly Paymt
Phase 1 Construction (Assumed 2024)	\$9,802,000	\$2,000,000	\$0	\$7,802,000	3.000%	20	0.0672	\$524,417
Phase 2a Construction (Assumed 2026)	\$14,399,800	\$0	\$0	\$14,399,800	3.000%	20	0.0672	\$967,893
Phase 2b Construction (Assumed 2028)	\$7,660,300	\$0	\$0	\$7,660,300	3.000%	20	0.0672	\$514,892

Cash and Equivalents Available as of December 31 2020, 2021	\$ 838,822	\$ 1,681,479
Equipment and Replacement Fund as of December 31 2020, 2021	\$ 1,067,078	\$ 1,254,231
Capital Projects Restricted Fund as of December 31, 2020, 2021	\$ 1,971,035	\$ 2,021,949

BUDGET ITEM	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036
EXPENSES																	
Ex. Debt Payment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
New Loans / Debt																	
Phase 1 - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ 262,208	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417	\$ 524,417
Phase 2a - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 483,946	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893	\$ 967,893
Phase 2b - Loan Debt	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 257,446	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892	\$ 514,892
Estimated Outside Services Costs - Facilities Upgrade	\$ -	\$ -	\$ -	\$ 500,000	\$ 400,000	\$ 700,000	\$ 700,000	\$ 400,000	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
O&M																	
Annual Operation and Maintenance Costs	\$ 1,175,464	\$ 1,103,644	\$ 1,122,958	\$ 1,142,610	\$ 1,162,605	\$ 1,182,951	\$ 1,203,652	\$ 1,224,716	\$ 1,246,149	\$ 1,267,956	\$ 1,290,146	\$ 1,312,723	\$ 1,335,696	\$ 1,359,071	\$ 1,382,854	\$ 1,407,054	\$ 1,431,678
Collection System Repairs	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Replacement																	
WWTP Replacement Fund Deposit	\$ 96,959	\$ 10,122	\$ -	\$ -	\$ 71,211	\$ 71,211	\$ 163,766	\$ 163,766	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823	\$ 192,823
TOTAL ANNUAL EXPENSES	\$ 1,272,423	\$ 1,113,766	\$ 1,122,958	\$ 1,642,610	\$ 1,896,025	\$ 2,478,579	\$ 3,075,782	\$ 3,280,792	\$ 3,588,728	\$ 3,467,982	\$ 3,490,171	\$ 3,512,748	\$ 3,535,721	\$ 3,559,096	\$ 3,582,880	\$ 3,607,079	\$ 3,631,703
REVENUES																	
User Charge Revenues	\$ 1,603,106	\$ 1,701,872	\$ 1,706,645	\$ 1,771,318	\$ 1,838,427	\$ 1,908,064	\$ 1,980,323	\$ 2,784,960	\$ 2,891,749	\$ 3,002,601	\$ 3,117,670	\$ 3,127,649	\$ 3,137,627	\$ 3,147,606	\$ 3,157,584	\$ 3,167,563	\$ 3,177,541
Industrial Surcharge	\$ 66,218	\$ 53,815	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000
CWF Reimbursement - outside services	\$ -	\$ -	\$ -	\$ -	\$ 900,000	\$ -	\$ 1,400,000	\$ -	\$ 800,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Cash from Replacement Fund	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Use of Cash on Hand	\$ -	\$ -	\$ -	\$ -	\$ 2,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Hauled Waste Revenue	\$ 205,556	\$ 209,458	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000	\$ 200,000
Outside Services Reimbursement	\$ 15,377	\$ 3,197	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000	\$ 5,000
Connection / Impact Fees	\$ 198,479	\$ 272,000	\$ 200,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000
S. Interceptor Impact Fee	\$ 389,164	\$ 4,902	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Interest Income	\$ 15,024	\$ 1,951	\$ 8,407	\$ 13,693	\$ 16,230	\$ 32,348	\$ 31,482	\$ 34,987	\$ 34,508	\$ 37,021	\$ 36,704	\$ 36,850	\$ 36,934	\$ 36,953	\$ 36,905	\$ 36,788	\$ 36,600
TOTAL ACTUAL ANNUAL REVENUE	\$ 2,492,924	\$ 2,247,195	\$ 2,180,053	\$ 2,150,011	\$ 5,119,657	\$ 2,305,412	\$ 3,776,805	\$ 3,184,947	\$ 4,091,257	\$ 3,404,622	\$ 3,519,374	\$ 3,529,499	\$ 3,539,561	\$ 3,549,559	\$ 3,559,489	\$ 3,569,351	\$ 3,579,141
EXCESS REVENUE FOR THIS FISCAL YEAR	\$ 1,220,501	\$ 1,133,429	\$ 1,057,095	\$ 507,401	\$ 3,223,632	\$ (173,167)	\$ 701,023	\$ (95,845)	\$ 502,529	\$ (63,360)	\$ 29,203	\$ 16,750	\$ 3,840	\$ (9,537)	\$ (23,390)	\$ (37,729)	\$ (52,562)
CARRYOVER FROM PREVIOUS YEAR	\$ -	\$ -	\$ 1,681,479	\$ 2,738,574	\$ 3,245,975	\$ 6,469,607	\$ 6,296,440	\$ 6,997,463	\$ 6,901,619	\$ 7,404,147	\$ 7,340,787	\$ 7,369,991	\$ 7,386,741	\$ 7,390,581	\$ 7,381,044	\$ 7,357,653	\$ 7,319,925
TOTAL AVAILABLE CARRYOVER	\$ 1,681,479	\$ 1,133,429	\$ 2,738,574	\$ 3,245,975	\$ 6,469,607	\$ 6,296,440	\$ 6,997,463	\$ 6,901,619	\$ 7,404,147	\$ 7,340,787	\$ 7,369,991	\$ 7,386,741	\$ 7,390,581	\$ 7,381,044	\$ 7,357,653	\$ 7,319,925	\$ 7,267,363
REVENUE DETAILS																	
Equivalent Meters Added Per Year	25																
Monthly Usage per Meter (gallons)	3,257																
Estimated Number of Equivalent Meters	3,823	3,873	3,898	3,923	3,948	3,973	3,998	4,023	4,048	4,073	4,098	4,123	4,148	4,173	4,198	4,223	4,248
Estimated Annual Water Usage (1000 gallons)	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400	190,976,400
ESTIMATED QUARTERLY USER CHARGES																	
Fixed Charges on Debt																	
Actual Monthly Fixed Charge per Equivalent Meter Implemented	\$ 15.91	\$ 15.91	\$ 15.91	\$ 16.47	\$ 17.04	\$ 17.64	\$ 18.26	\$ 30.00	\$ 31.05	\$ 32.14	\$ 33.26	\$ 33.26	\$ 33.26	\$ 33.26	\$ 33.26	\$ 33.26	\$ 33.26
Actual Annual Fixed Charge Revenue Generated	\$ 729,805	\$ 739,351	\$ 744,124	\$ 775,108	\$ 807,350	\$ 840,899	\$ 875,808	\$ 1,448,125	\$ 1,508,125	\$ 1,570,550	\$ 1,635,498	\$ 1,645,476	\$ 1,655,455	\$ 1,665,433	\$ 1,675,412	\$ 1,685,390	\$ 1,695,368
Variable Charges - O, M & R Costs (Cost per 1000 gallons)																	
Actual Variable Charge per 1000 Gallons Implemented	\$ 5.04	\$ 5.04	\$ 5.04	\$ 5.22	\$ 5.40	\$ 5.59	\$ 5.78	\$ 7.00	\$ 7.25	\$ 7.50	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76	\$ 7.76
Actual Annual Variable Charge Revenue Generated	\$ 962,521	\$ 962,521	\$ 962,521	\$ 996,209	\$ 1,031,077	\$ 1,067,164	\$ 1,104,515	\$ 1,336,835	\$ 1,383,624	\$ 1,432,051	\$ 1,482,173	\$ 1,482,173	\$ 1,482,173	\$ 1,482,173	\$ 1,482,173	\$ 1,482,173	\$ 1,482,173
TOTAL ACTUAL MONTHLY USER CHARGE PER RESIDENTIAL USER	\$ 32.33	\$ 32.33	\$ 32.33	\$ 33.46	\$ 34.63	\$ 35.84	\$ 37.10	\$ 52.80	\$ 54.65	\$ 56.56	\$ 58.54	\$ 58.54	\$ 58.54	\$ 58.54	\$ 58.54	\$ 58.54	\$ 58.54
REVENUE GENERATED BY RATES	\$ 1,692,326	\$ 1,701,872	\$ 1,706,645	\$ 1,771,318	\$ 1,838,427	\$ 1,908,064	\$ 1,980,323	\$ 2,784,960	\$ 2,891,749	\$ 3,002,601	\$ 3,117,670	\$ 3,127,649	\$ 3,137,627	\$ 3,147,606	\$ 3,157,584	\$ 3,167,563	\$ 3,177,541
Replacement Fund - Can be used to offset costs	\$ 1,067,078	\$ 1,254,231	\$ 1,254,231	\$ 1,254,231	\$ 1,325,442	\$ 1,396,653	\$ 1,560,419	\$ 1,724,185	\$ 1,917,008	\$ 2,109,831	\$ 2,302,654	\$ 2,495,477	\$ 2,688,300	\$ 2,881,123	\$ 3,073,946	\$ 3,266,769	\$ 3,459,592
Revised Debt Coverage Ratio Calculation					401%	213%	116%	131%	117%	106%	111%	110%	110%	109%	108%	107%	107%

RESOLUTION #23-04

A RESOLUTION ESTABLISHING RATES FOR SEPTIC AND HOLDING TANK WASTE FOR 2023

The Village Board of the Village of Jackson, Washington County, Wisconsin, does resolve as follows:

BE IT RESOLVED that the Village hereby establishes Septic and Holding Tank Waste Rates for the Septic Receiving Station at the Wastewater Treatment Facility as follows:

Holding Tank	\$ 8.25 per 1,000 gallons
Septic System	\$ 50.00 per 1,000 gallons
Septic Decant	\$ 25.00 per 1,000 gallons
Grease Decant	\$ 40.00 per 1,000 gallons
Grease	\$125.00 per 1,000 gallons

Introduced by:_____

Seconded by:_____

Vote: _____ Ayes _____ Nays

Passed and Approved:_____

VILLAGE OF JACKSON

By:_____
Michael E. Schwab, Village President

Attest:_____
Jilline S. Dobratz, Village Clerk

Proof of Posting:

I, the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.

Village Official

Date

MEMORANDUM

Date: December 23, 2022

To: Brian Kober, P.E. – Village of Jackson

From: Greg Droessler, P.E.

Subject: Village of Jackson – Sewer Utility Rate Study

The Jackson Sewer Utility requested assistance from Town and Country Engineering, Inc. to review the actual cost of treating BOD, TSS, Ammonia, and Phosphorus in the waste stream at the wastewater treatment facility (WWTF). Town and Country Engineering was asked to look specifically at the current rates for waste from holding tanks, septic, septic decant, grease, and grease decant hauled to the WWTF for disposal to confirm that the rates charged for these materials are in line with the actual cost of treatment. The costs were also to be reviewed based on the projected costs to upgrade the WWTF over multiple phases over the next 6 years.

In February 2018 the Jackson Sewer Utility increased the rates for hauled waste based on our previous study to better cover the cost of treatment at that time. The Utility had concerns of maintaining rates in line with neighboring communities at that time and elected to approve only a modest increase. Table 1 is a summary of the Village's current hauled waste rates.

Table 1: Hauled Waste Rates

Hauled Waste	Current Rate (2/13/18)
Holding Tank (per 1,000 gal)	\$8.00
Septic System (per 1,000 gal)	\$45.00
Septic Decant (per 1,000 gal)	\$25.00
Grease (per 1,000 gal)	\$100.00
Grease Decant (per 1,000 gal)	\$40.00

Sewer utilities typically charge higher rates for the various hauled wastes to account for the higher concentration of nutrients to be removed. The Jackson Sewer Utility requires each truckload of hauled waste to leave a sample for testing, but the Utility only tests trucks randomly or when a problem arises due to the cost and time required for testing. Table 2 is a summary of typical wastewater properties for the various types of hauled waste the WWTF receives, as well as typical values for domestic wastewater for comparison.

Table 2: Typical Wastewater Properties

	Holding Tank (mg/L)	Septic (mg/L)	Septic Decant * (mg/L)	Grease * (mg/L)	Grease Decant * (mg/L)	Domestic Wastewater (mg/L)
BOD	600	5,000	1,505	16,545	3,959	200
TSS	1,800	15,000	3,558	63,750	3,629	250
NH3	100	350	104	190	43	25
TP	30	300	39	119	48	10

* Average value of the samples tested by the Jackson WWTF in 2014-2015. Other values listed are average textbook values though to be consistent with waste received by the WWTF.

The Jackson Sewer Utility receives a significant volume of flow and revenue each year from hauled waste. Table 3 lists the annual volume of each type of waste received, as well as the total

TOWN & COUNTRY ENGINEERING, INC.

Madison ♦ Rhinelander ♦ Kenosha
6264 Nesbitt Road • Madison, WI 53719 • (608) 273-3350 • tce@tcengineers.net

revenue (billing) received. It was noted that the 2020 – 2021 average volume for holding tank and septic decant were about 5% less than the totals for these same products in 2014 – 2016, and the total billings were down about \$4,800 or roughly 2% from this same period.

Table 3: Annual Hauled Waste (Gallons and Revenue)

Annual Total	Holding Tank (gal)	Septic (gal)	Septic Decant (gal)	Grease (gal)	Grease Decant (gal)	Total Billings
2020	15,874,420	184,350	2,691,200	900	0	\$204,656
2021	16,620,625	319,950	2,468,910	0	0	\$209,083
Average	16,247,523	252,150	2,580,055	450	0	\$206,870

Based on the reported gallons and the estimated nutrient loading rates for each of the hauled waste categories, the estimated annual loading for each year is listed in Table 4. It was noted that the total loading contributed by the hauled waste is down about 10% from 2014 – 2016, most notably due to the reduction in septic and septic decant hauled to the WWTF.

Table 4: Estimated Annual Hauled Waste Loading

	BOD (lbs/yr)	TSS (lbs/yr)	NH3 (lbs/yr)	TP (lbs/yr)
Septic				
2020	7,692	23,623	538	461
2021	13,349	41,000	934	801
Holding				
2020	79,478	244,105	13,246	3,974
2021	83,213	255,575	13,869	4,161
Septic Decant				
2020	33,797	81,801	2,335	876
2021	31,006	75,044	2,143	803
Grease				
2020	124	490	1	1
2021	0	0	0	0

Table 5 lists the hauled waste loadings as a percentage of the influent flow to demonstrate the impact that hauled waste has on the WWTF. In 2014 – 2016 the hauled waste accounted for approximately 6.6% of the total flow, 20.9% of the BOD, and 47.7% of the TSS at the WWTF. As shown Table 5, the contribution for flow and each of these nutrients has been reduced due to a reduction in the volume of hauled waste received, and an overall increase in flow and loading at the WWTF due to an increased contribution from the other users in the Village.

Table 5: Hauled Waste Impact

Annual Totals	Flow (MG)	BOD Loading (lbs)	TSS Loading (lbs)	Total P Loading (lbs)	NH3 Loading (lbs)
2020	4.1%	13.7%	33.0%	23.6%	21.1%
2021	4.9%	13.2%	34.9%	24.2%	21.9%
Average	4.5%	13.5%	34.0%	23.9%	21.5%

Cost of Treatment:

Town and Country Engineering reviewed the last 2 years of O&M costs at the Sewer Utility and allocated these costs on a demand vs. volume basis. The O&M costs were also reviewed and a percentage of cost for each line item allocated as a percentage by nutrient; thus allowing us to calculate an estimated cost per pound (\$ / lb) for each specified nutrient.

It was noted that the current cost of treatment is significantly lower in 2022 than when this was last reviewed in 2018 due to the Utility's O&M costs rising only 10% in that time while the flow to the facility increased by nearly 340,000 gallons per day or 40%.

Table 6: Estimated Treatment Cost per Pound

	2018 Cost / Pound	2021 Cost / Pound
Biochemical Oxygen Demand (BOD)	\$0.34	\$0.26
Total Suspended Solids (TSS)	\$0.20	\$0.18
Ammonia (NH ₃)	\$1.56	\$1.27
Phosphorus (P)	\$8.15	\$6.92

The cost of treatment was then reviewed as a cost per 1,000 gallons for each of the hauled wastes based on the assumed average concentrations listed above. The costs shown in Table 7 include \$1.07 for the current volume cost of treating 1,000 gallons. This cost will increase further as part of Phase 1 and Phase 2 due to the fixed cost adjustment to cover the new debt associated with the projects.

Table 7: Estimated Cost of Treatment (Hauled Waste)

Hauled Waste	2018 Treatment Cost/1,000 gal	2021 Treatment Cost/1,000 gal	Phase 1 Treatment Cost/1,000 gal	Phase 2 Treatment Cost/1,000 gal
Holding Tank (per 1,000 gal)	\$9.10	\$7.82	\$8.47	\$9.74
Septic System (per 1,000 gal)	\$65.02	\$55.05	\$55.71	\$56.97
Septic Decant (per 1,000 gal)	\$15.24	\$12.93	\$13.58	\$14.85
Grease (per 1,000 gal)	\$163.92	\$139.91	\$140.57	\$141.83
Grease Decant (per 1,000 gal)	\$22.19	\$18.17	\$18.83	\$20.09

Recommendation:

The current rates for the largest volume of hauled waste to the WWTF (holding tank and septic decant) appear to adequately cover the actual cost of treatment of these materials. The rates for septic and grease are set lower than the estimated cost of treatment, but as the Village receives much lower volumes of these materials this does not have a large financial impact on the operations.

As the Village is facing an estimated \$32M in upgrades over the next 6 years and is looking to raise user rates by 8% per year starting in 2023, it is recommended that the Village consider raising the rates for hauled waste along with the Village user rates to a minimum of those rates listed in Table 7 to cover the cost of treatment. The Village may consider a similar percentage increase each year, or simply raise the rate for holding tank waste by \$0.25 / year and the septic,

septic decant, and grease decant by \$1.00 to \$2.00 per year.

Phase 2B of the WWTF upgrades includes a conversion of the WWTF's digesters from an anaerobic to an aerobic process. It is recommended that the Village consider stop accepting grease and grease decant at that time as the digestion process will no longer benefit from the receipt of this material. Eliminating grease and grease decant will also minimize operational challenges associated with processing this material at the WWTF.

GJD

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VILLAGE OF JACKSON - WASTEWATER UTILITY
Cost of Service Summary

			Allocation Percentages								Allocation of Costs - 2021											
Account	Description	2021	Demand	Volume	BOD	SS	NH3	Phos	Total	Cost / 1,000 Gallon		Volume	Cost / 1,000 Gallon	BOD	Cost / #	SS	Cost / #	NH3	Cost / #	Phos	Cost / #	
820-000	Supervision/Labor wage	\$ 350,222	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 122,578	\$ 0.35	\$ 105,067	\$ 0.13	\$ 70,044	\$ 0.08	\$ 17,511	\$ 0.38	\$ 35,022	\$ 1.93	
821-000	Diggers Hotline Wages	\$ 6,575	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 2,301	\$ 0.01	\$ 1,973	\$ 0.00	\$ 1,315	\$ 0.00	\$ 329	\$ 0.01	\$ 658	\$ 0.04	
823-300	Chlorine	\$ 2,198	0%	100%	0%	0%	0%	0%	100%	\$ -	\$ -	\$ 2,198	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
823-301	Aluminum Chloride	\$ 35,929	0%	0%	0%	0%	0%	100%	100%	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 35,929	\$ 1.98	
823-302	Polymer	\$ 4,500	0%	0%	35%	35%	5%	25%	100%	\$ -	\$ -	\$ -	\$ -	\$ 1,575	\$ 0.00	\$ 1,575	\$ 0.00	\$ 225	\$ 0.00	\$ 1,125	\$ 0.06	
823-303	Sodium Bisulfate	\$ 3,051	0%	100%	0%	0%	0%	0%	100%	\$ -	\$ -	\$ 3,051	\$ 0.01	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
823-304	Chemicals Others	\$ 343	0%	20%	20%	20%	20%	20%	100%	\$ -	\$ -	\$ 69	\$ 0.00	\$ 69	\$ 0.00	\$ 69	\$ 0.00	\$ 69	\$ 0.00	\$ 69	\$ 0.00	
825-000	Lab Time/Supplies	\$ 8,740	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 3,059	\$ 0.01	\$ 2,622	\$ 0.00	\$ 1,748	\$ 0.00	\$ 437	\$ 0.01	\$ 874	\$ 0.05	
827-000	Operation Supplies	\$ 6,311	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 2,209	\$ 0.01	\$ 1,893	\$ 0.00	\$ 1,262	\$ 0.00	\$ 316	\$ 0.01	\$ 631	\$ 0.03	
828-000	Transport Fuel, Lube, maint	\$ 9,359	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 3,276	\$ 0.01	\$ 2,808	\$ 0.00	\$ 1,872	\$ 0.00	\$ 468	\$ 0.01	\$ 936	\$ 0.05	
829-000	Utilities Water Bill, WE energies	\$ 140,813	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 49,285	\$ 0.14	\$ 42,244	\$ 0.05	\$ 28,163	\$ 0.03	\$ 7,041	\$ 0.15	\$ 14,081	\$ 0.78	
830-000	Uniforms/Safety Equip	\$ 2,048	20%	20%	15%	15%	15%	15%	100%	\$ 410	\$ 0.00	\$ 410	\$ 0.00	\$ 307	\$ 0.00	\$ 307	\$ 0.00	\$ 307	\$ 0.01	\$ 307	\$ 0.02	
831-000	Sludge Testing/Collection Syst Maint	\$ 29	50%	50%	0%	0%	0%	0%	100%	\$ 15	\$ 0.00	\$ 15	\$ 0.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
833-000	Equip maint	\$ 87,602	50%	50%	0%	0%	0%	0%	100%	\$ 43,801	\$ 0.15	\$ 43,801	\$ 0.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
834-000	Bldgs/ground maint	\$ 83,586	50%	50%	0%	0%	0%	0%	100%	\$ 41,793	\$ 0.15	\$ 41,793	\$ 0.12	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
850-000	Admin Salaries/ DPW	\$ 43,158	20%	20%	15%	15%	15%	15%	100%	\$ 8,632	\$ 0.03	\$ 8,632	\$ 0.02	\$ 6,474	\$ 0.01	\$ 6,474	\$ 0.01	\$ 6,474	\$ 0.14	\$ 6,474	\$ 0.36	
851-000	Office Supplies/Forms	\$ 112	20%	20%	15%	15%	15%	15%	100%	\$ 22	\$ 0.00	\$ 22	\$ 0.00	\$ 17	\$ 0.00	\$ 17	\$ 0.00	\$ 17	\$ 0.00	\$ 17	\$ 0.00	
852-000	Acct/Billing Wages Utility Clerk	\$ 32,811	20%	20%	15%	15%	15%	15%	100%	\$ 6,562	\$ 0.02	\$ 6,562	\$ 0.02	\$ 4,922	\$ 0.01	\$ 4,922	\$ 0.01	\$ 4,922	\$ 0.11	\$ 4,922	\$ 0.27	
853-000	Prop/Liab Insurance	\$ 70,482	20%	20%	15%	15%	15%	15%	100%	\$ 14,096	\$ 0.05	\$ 14,096	\$ 0.04	\$ 10,572	\$ 0.01	\$ 10,572	\$ 0.01	\$ 10,572	\$ 0.23	\$ 10,572	\$ 0.58	
860-000	Accounting Fees	\$ 1,200	20%	20%	15%	15%	15%	15%	100%	\$ 240	\$ 0.00	\$ 240	\$ 0.00	\$ 180	\$ 0.00	\$ 180	\$ 0.00	\$ 180	\$ 0.00	\$ 180	\$ 0.01	
861-000	BDS Instrument	\$ 350	20%	20%	15%	15%	15%	15%	100%	\$ 70	\$ 0.00	\$ 70	\$ 0.00	\$ 53	\$ 0.00	\$ 53	\$ 0.00	\$ 53	\$ 0.00	\$ 53	\$ 0.00	
862-00	Sludge hauling	\$ 72,235	0%	35%	30%	20%	5%	10%	100%	\$ -	\$ -	\$ 25,282	\$ 0.07	\$ 21,671	\$ 0.03	\$ 14,447	\$ 0.02	\$ 3,612	\$ 0.08	\$ 7,224	\$ 0.40	
863-00	Industrial Monitoring Quarterly	\$ 8,172	20%	20%	15%	15%	15%	15%	100%	\$ 1,634	\$ 0.01	\$ 1,634	\$ 0.00	\$ 1,226	\$ 0.00	\$ 1,226	\$ 0.00	\$ 1,226	\$ 0.03	\$ 1,226	\$ 0.07	
867-000	Cell Phones	\$ 1,893	20%	20%	15%	15%	15%	15%	100%	\$ 379	\$ 0.00	\$ 379	\$ 0.00	\$ 284	\$ 0.00	\$ 284	\$ 0.00	\$ 284	\$ 0.01	\$ 284	\$ 0.02	
870-000	SCADA Systems	\$ 3,845	20%	20%	15%	15%	15%	15%	100%	\$ 769	\$ 0.00	\$ 769	\$ 0.00	\$ 577	\$ 0.00	\$ 577	\$ 0.00	\$ 577	\$ 0.01	\$ 577	\$ 0.03	
872-000	Postage	\$ 5,176	20%	20%	15%	15%	15%	15%	100%	\$ 1,035	\$ 0.00	\$ 1,035	\$ 0.00	\$ 776	\$ 0.00	\$ 776	\$ 0.00	\$ 776	\$ 0.02	\$ 776	\$ 0.04	
876-000	Televise System	\$ 31,585	0%	100%	0%	0%	0%	0%	100%	\$ -	\$ -	\$ 31,585	\$ 0.09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
877-000	Metal/ Bioessay Tests	\$ 14,310	50%	50%	0%	0%	0%	0%	100%	\$ 7,155	\$ 0.03	\$ 7,155	\$ 0.02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
864-000	Education/travel/dues	\$ 4,257	20%	20%	15%	15%	15%	15%	100%	\$ 851	\$ 0.00	\$ 851	\$ 0.00	\$ 639	\$ 0.00	\$ 639	\$ 0.00	\$ 639	\$ 0.01	\$ 639	\$ 0.04	
865-000	DNR Environmental Fee	\$ 9,613	20%	20%	15%	15%	15%	15%	100%	\$ 1,923	\$ 0.01	\$ 1,923	\$ 0.01	\$ 1,442	\$ 0.00	\$ 1,442	\$ 0.00	\$ 1,442	\$ 0.03	\$ 1,442	\$ 0.08	
866-000	Emergency response BRD	\$ 405	20%	20%	15%	15%	15%	15%	100%	\$ 81	\$ 0.00	\$ 81	\$ 0.00	\$ 61	\$ 0.00	\$ 61	\$ 0.00	\$ 61	\$ 0.00	\$ 61	\$ 0.00	
O&M total		\$ 1,040,910								\$ 129,468	\$0.45	\$ 374,360	\$ 1.07	\$ 207,448	\$ 0.26	\$ 148,023	\$ 0.18	\$ 57,535	\$ 1.24	\$ 124,076	\$ 6.84	
Replacement Funds from LGIP#2 Debt Service		\$ 10,122	20%	20%	15%	15%	15%	15%	100%	\$ 2,024	\$ 0.01	\$ 2,024	\$ 0.01	\$ 1,518	\$ 0.00	\$ 1,518	\$ 0.00	\$ 1,518	\$ 0.03	\$ 1,518	\$ 0.08	
		\$ -								\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			
Total		\$ 1,051,032								\$ 131,492	\$ 0.46	\$ 376,384	\$ 1.07	\$ 208,967	\$ 0.26	\$ 149,541	\$ 0.18	\$ 59,053	\$ 1.27	\$ 125,595	\$ 6.92	

VILLAGE OF JACKSON - WASTEWATER UTILITY

Cost of Service Summary

	Total	Allocation of Costs					
		Fixed	Vol.	BOD	SS	NH3	Phos
Operation and Maintenance Expenses	\$ 1,040,910	\$ 129,468	\$ 374,360	\$ 207,448	\$ 148,023	\$ 57,535	\$ 124,076
Replacement Fund	\$ 273,600	\$ 54,720	\$ 54,720	\$ 41,040	\$ 41,040	\$ 41,040	\$ 41,040
Collection System Replacement	\$ -	50%	50%				
Debt Service (None)	\$ -	\$ -	\$ -				
Total Annual Cost of Service	\$ 1,314,510	\$ 184,188	\$ 429,080	\$ 248,488	\$ 189,063	\$ 98,575	\$ 165,116

Cost per pound (2021) \$ 0.26 \$ 0.18 \$ 1.27 \$ 6.92
 Cost per 1000 gal (2021) \$ 0.46 \$ 1.07

	BOD	TSS	NH3	TP	Volume	Total
Holding Tank (1,000 gal)	\$1.29	\$2.67	\$1.06	\$1.73	\$1.07	\$7.82
Septic	\$10.73	\$22.22	\$3.71	\$17.31	\$1.07	\$55.05
Septic Decant	\$3.23	\$5.27	\$1.10	\$2.25	\$1.07	\$12.93
Grease	\$35.51	\$94.45	\$2.01	\$6.87	\$1.07	\$139.91
Grease Decant	\$8.50	\$5.38	\$0.46	\$2.77	\$1.07	\$18.17

VILLAGE OF JACKSON - WASTEWATER UTILITY

Cost of Service Summary

	Total	Allocation of Costs					
		Fixed	Vol.	BOD	SS	NH3	Phos
Operation and Maintenance Expenses	\$ 1,040,910	\$ 129,468	\$ 374,360	\$ 207,448	\$ 148,023	\$ 57,535	\$ 124,076
Replacement Fund	\$ 11,000	\$ 54,720	\$ 54,720	\$ 41,040	\$ 41,040	\$ 41,040	\$ 41,040
Collection System Replacement	\$ -	50%	50%				
Debt Service - Phase 1 Only	\$ 524,417	\$ 262,209	\$ 262,209				
Total Annual Cost of Service	\$ 1,576,327	\$ 446,396	\$ 691,288	\$ 248,488	\$ 189,063	\$ 98,575	\$ 165,116

Cost per pound (2021) \$ 0.26 \$ 0.18 \$ 1.27 \$ 6.92
Cost per 1000 gal (2021) \$ 1.12 \$ 1.73

	BOD	TSS	NH3	TP	Volume	Total
Holding Tank (1,000 gal)	\$1.29	\$2.67	\$1.06	\$1.73	\$1.73	\$8.47
Septic	\$10.73	\$22.22	\$3.71	\$17.31	\$1.73	\$55.71
Septic Decant	\$3.23	\$5.27	\$1.10	\$2.25	\$1.73	\$13.58
Grease	\$35.51	\$94.45	\$2.01	\$6.87	\$1.73	\$140.57
Grease Decant	\$8.50	\$5.38	\$0.46	\$2.77	\$1.73	\$18.83

VILLAGE OF JACKSON - WASTEWATER UTILITY

Cost of Service Summary

	Total	Allocation of Costs					
		Fixed	Vol.	BOD	SS	NH3	Phos
Operation and Maintenance Expenses	\$ 1,040,910	\$ 129,468	\$ 374,360	\$ 207,448	\$ 148,023	\$ 57,535	\$ 124,076
Replacement Fund	\$ 273,600	\$ 54,720	\$ 54,720	\$ 41,040	\$ 41,040	\$ 41,040	\$ 41,040
Collection System Replacement	\$ -	50%	50%				
Debt Service - Phase 1 & 2	\$ 1,537,202	\$ 768,601	\$ 768,601				
Total Annual Cost of Service	\$ 2,851,712	\$ 952,789	\$ 1,197,681	\$ 248,488	\$ 189,063	\$ 98,575	\$ 165,116

Cost per pound (2021) \$ 0.26 \$ 0.18 \$ 1.27 \$ 6.92
 Cost per 1000 gal (2021) \$ 2.38 \$ 2.99

	BOD	TSS	NH3	TP	Volume	Total
Holding Tank (1,000 gal)	\$1.29	\$2.67	\$1.06	\$1.73	\$2.99	\$9.74
Septic	\$10.73	\$22.22	\$3.71	\$17.31	\$2.99	\$56.97
Septic Decant	\$3.23	\$5.27	\$1.10	\$2.25	\$2.99	\$14.85
Grease	\$35.51	\$94.45	\$2.01	\$6.87	\$2.99	\$141.83
Grease Decant	\$8.50	\$5.38	\$0.46	\$2.77	\$2.99	\$20.09

RESOLUTION #18-03

A RESOLUTION ESTABLISHING RATES FOR SEPTIC
AND HOLDING TANK WASTE FOR 2018

The Village Board of the Village of Jackson, Washington County, Wisconsin, does resolve as follows:

BE IT RESOLVED that the Village hereby establishes Septic and Holding Tank Waste Rates for the Septic Receiving Station at the Waste Water Treatment Facility as follows:

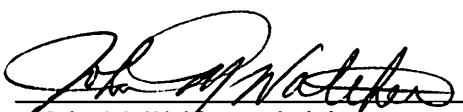
Holding Tank	\$ 8.00 per 1,000 gallons
Septic System	\$ 45.00 per 1,000 gallons
Septic Decant	\$ 25.00 per 1,000 gallons
Grease Decant	\$ 40.00 per 1,000 gallons
Grease	\$100.00 per 1,000 gallons

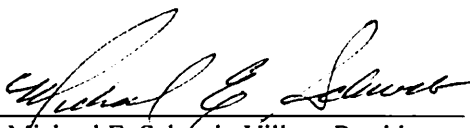
Introduced by: TR OLSON

Seconded by: Pres. Schwab

Vote: 5 Aye 0 Nay

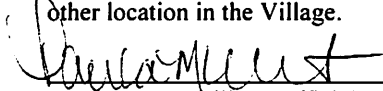
Passed & Approved: 02/13/2018

Attest: 
John M. Walther, Administrator

Signed: 
Michael E. Schwab, Village President

Proof of Posting:

I the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.


(Village Official)

2-14-2018
(Date)

February 23, 2023

Village of Jackson
W194 N16660 Eagle Drive
Jackson, WI 53037

Attention: Brian Kober, P.E.
Director of Public Works

Subject: Project: VOJ 22-01
STH 60 Utility Upgrades
CTH P – Ridgeway Drive
Pay Request #1

Dear Mr. Kober:

Enclosed you will find Pay Request #1 for the STH 60 Utility Upgrades project in the Village of Jackson. The total amount, due to the contractor, has been reduced by five percent (5%) for retainage but not to exceed maximum retainage. This is per Article 6.02.A.1 Progress Payments; Retainage, of Contract Document 00500, Agreement:

Work completed, Pay Request #1	= \$121,881.70
Retainage, Pay Request #1 (5%)	= \$6,094.09
Amount due to Contractor, Pay Request #1	= \$115,787.61

If you have any questions or comments, please contact me at (920) 924-5720.

Sincerely,



Todd Drew
Project Inspector
Gremmer & Associates, Inc.

Contractor's Application for Payment No. 1

	Application Date: 2/23/2023	Application Period: 2/13/23 - 2/23/23
To (Owner): Village of Jackson	From (Contractor): ADVANCE CONSTRUCTION, INC.	Via (Engineer): Gremmer & Associates, Inc.
Contact:	Contact: Paul Kultgen	Contact: Todd Drew
Project: STH 60 Utility Upgrades	Address: 241 Woodale Avenue Green Bay, WI 54313	Address: 93 S. Pioneer Rd, Fond du Lac, WI 54935
Owner's Project No.:	Contractor's Project No.:	Engineer's Project No.:

Change Order Summary

Approved Change Orders			1. ORIGINAL CONTRACT PRICE	\$ 2,713,433.75
Number	Additions	Deductions (Enter as Positive Number)	2. Net change by Change Orders	\$
			3. CURRENT CONTRACT PRICE (Line 1 + Line 2)	\$ 2,713,433.75
			4. TOTAL COMPLETED & STORED TO DATE	
			(Column L Total on Progress Estimates)	\$ 121,881.70
			5. RETAINAGE:	
			a. 5% X \$121,881.70 Work Completed	\$ 6,094.09
			b. 5% x Stored Materials	\$
			6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number) .	\$ 6,094.09
			7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 7)	\$ 115,787.61
			8. LESS PREVIOUS PAYMENTS (Line 6 from Prior Application)	\$
			9. AMOUNT DUE THIS APPLICATION	115,787.61
TOTALS				
NET CHANGE BY CHANGE ORDERS				

Contractor's Certification The undersigned Contractor certifies that to the best of its knowledge: (1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment; (2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.	\$ <u>115,787.61</u> Payment of: (Line 8 or other - attach explanation of the other amount) Recommended by: (Thomas J. Holtan, Town DPW/ENG) (Date) \$ _____ Payment of: (Line 8 or other - attach explanation of the other amount) Approved by: (Daniel W. Hein, Town Chair) (Date)
By: Paul Kultgen	Date: 2.23.23

**Project VOJ 21-01
Coffee Connection Trail
Jackson Drive - Eagle Drive**

Pay Request #1
Advance Construction - Prime Contractor

			Advance Construction		Pay Request #1		Pay Request #2		Pay Request #3		Pay Request #4		Pay Request #5		Pay Request #6		Cumulative Totals		% Complete	
Item No.	Description	Units	Total	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	
100-01	Removing Curb	LF	6	\$7.00	\$42.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-02	Removing Curb & Gutter	LF	960	\$5.00	\$4,800.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-03	Removing Concrete Sidewalk and Driveways	SY	1,205	\$5.00	\$6,025.00	13.34	\$66.70		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	13	\$66.70	1%
100-04	Base Aggregate Dense 1 1/4-Inch	TON	1,875	\$15.80	\$29,625.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-05	Base Aggregate Open-Graded	TON	1,130	\$23.00	\$25,990.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-06	Concrete Driveway 6-Inch	SY	505	\$75.65	\$38,203.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-07	Concrete Driveway 8-Inch	SY	80	\$77.00	\$6,160.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-08	Drilled Tie Bars	EACH	525	\$9.00	\$4,725.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-09	HMA Pavement 3 MT 58-28 S	TON	1,110	\$275.00	\$305,250.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-10	HMA Pavement 4 MT 58-28 S	TON	67	\$510.00	\$34,170.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-11	Asphaltic Surface	TON	17	\$510.00	\$8,670.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-12	Asphaltic Surface Driveways and Field Entrances	TON	50	\$510.00	\$25,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-13	Concrete Curb Type D	LF	6	\$48.00	\$288.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-14	Concrete Curb & Gutter 30-Inch Type D	LF	960	\$42.75	\$41,040.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-15	Concrete Sidewalk 5-Inch	SF	5,520	\$8.00	\$44,160.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-16	Concrete Steps	SF	30	\$55.00	\$1,650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-17	Pipe Underdrain Wrapped 4-Inch	LF	200	\$55.00	\$11,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-18	Mobilization	EACH	1	\$35,000.00	\$35,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-19	Lawn Restoration	SY	900	\$10.00	\$9,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-20	Inlet Protection Type C	EACH	35	\$55.00	\$1,925.00	12	\$660.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	12	\$660.00	34%
100-21	Geotextile Type SAS	SY	945	\$2.50	\$2,362.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-22	Marking Line Paint 4-Inch	LF	6,405	\$1.35	\$8,646.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-23	Marking Line Paint 8-Inch	LF	225	\$2.55	\$573.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-24	Marking Arrow Paint	EACH	5	\$95.00	\$475.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-25	Marking Word Paint	EACH	1	\$125.00	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-26	Marking Railroad Crossing Paint	EACH	2.0	\$450.00	\$900.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-27	Marking Stop Line Paint 18-Inch	LF	45	\$5.85	\$263.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-28	Marking Diagonal Paint 6-Inch	LF	6	\$2.25	\$13.50		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-29	Marking Crosswalk Paint Transverse Line 6-Inch	LF	205	\$2.25	\$461.25		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-30	Marking Crosswalk Paint Block Style 24-Inch	LF	25	\$7.75	\$193.75		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-31	Conduit Loop Detector	LF	224	\$16.50	\$3,696.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-32	Loop Detector Wire	LF	800	\$2.35	\$1,880.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-33	Sawing Asphalt	LF	8,760	\$2.00	\$17,520.00	15	\$30.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	15	\$30.00	0%
100-34	Sawing Concrete	LF	2,625	\$3.00	\$7,875.00	25	\$75.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	25	\$75.00	1%
100-35	Remove and Replace Retaining Wall	LS	1	\$8,990.00	\$8,990.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
100-36	Traffic Control and Detour	LS	1	\$25,000.00	\$25,000.00	0.25	\$6,250.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$6,250.00	25%
100-37	Excavating, Hauling, and Disposal of Contaminated Soil	TON	990	\$45.00	\$44,550.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-01	Remove and Replace Sanitary Manhole Casting and Adjustment Rings	EACH	27	\$4,500.00	\$121,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-02	Connect to Existing Sanitary Sewer Manhole	EACH	1	\$2,000.00	\$2,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-03	Connect to Existing Sanitary Sewer Main	EACH	3	\$2,000.00	\$6,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-04	Sanitary Sewer PVC 10-Inch, Granular Backfill	LF	232	\$200.00	\$46,400.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-05	Sanitary Sewer PVC 8-Inch, Slurry Backfill	LF	1,099	\$243.00	\$267,057.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-06	Sanitary Sewer PVC 10-Inch, Slurry Backfill	LF	39	\$300.00	\$11,700.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-07A	Sanitary Sewer PVC 12-Inch, Slurry Backfill	LF	1,402	\$325.00	\$455,650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-07B	Sanitary Sewer Lateral 6-Inch, Granular Backfill	LF	615	\$145.00	\$89,175.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-08	Sanitary Sewer Lateral 6-Inch, Slurry Backfill	LF	310	\$197.00	\$61,070.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-09	Sanitary Manholes 4-FT Diameter With Casting	EACH	10	\$6,500.00	\$65,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-10	Sanitary Outside Drop Manholes 4-FT Diameter With Casting	EACH	2	\$9,518.00	\$19,036.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-11	Abandon Sanitary Sewer - Jackson Drive	LS	1	\$1,500.00	\$1,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-12	Sanitary Sewer Lateral Pipe Bursting	LF	3,000	\$139.00	\$417,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
200-13	Furnish and Install 36" cleanout manhole with casting		1	\$3,645.00	\$3,645.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%
200-14	Repair existing storm laterals not shown on plan	EACH	6	\$448.00	\$2,688.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-01	Removing Hydrant	EACH	2	\$1,100.00	\$2,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-02	Connect to Existing Water Valve	EACH	2	\$2,500.00	\$5,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-03	Connect to Existing Water Main Pipe	EACH	3	\$3,850.00	\$11,550.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-04	Remove and Replace Water Service Curb Box	EACH	100	\$2,800.00	\$280,000.00	41	\$114,800.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	41	\$114,800.00	41%
300-05	Water Main PVC 6-Inch, Slurry Backfill	LF	45	\$315.00	\$14,175.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-06	Water Main PVC 12-Inch, Slurry Backfill	LF	12	\$550.00	\$6,600.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-07	Water Service Pipe 1 1/4-Inch, Granular Backfill	LF	168	\$150.00	\$25,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-08	Water Service Pipe 1 1/4-Inch, Slurry Backfill	LF	88	\$200.00	\$17,600.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-09	Water Service Saddle, Corporation Stop, Curb Stop, Curb Box and Couplings 1 1/4-Inch	EACH	7	\$1,400.00	\$9,800.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-10	Water Gate Valve 12-Inch	EACH	1	\$5,200.00	\$5,200.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-11	Water 45 Degree Bend 6-Inch	EACH	1	\$500.00	\$500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-12	Water 90 Degree Bend 6-Inch	EACH	3	\$530.00	\$1,590.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-13	Hydrant	EACH	2.0	\$9,000.00	\$18,000.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-14	Temporary Blow Off 2-Inch	EACH	1	\$506.00	\$506.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-15	Connect to Existing Water Main Pipe with 12-Inch Gate Valve	EACH	1	\$4,480.00	\$4,480.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-16	Water Main DI 12-Inch with Fluorocarbon Gaskets, Granular Backfill	LF	247	\$291.00	\$71,877.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-17	Water 22.5 Degree Bend 12-Inch	EACH	4	\$1,004.00	\$4,016.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	0%
300-18	Water Cap 12-Inch	EACH	2	\$2,216.00	\$4,432.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%
300-19	HDD Water service connect to main, new curb box	EACH	1	\$4,750.00	\$4,750.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%
300-20	Furnish and Install 1" Curb Stop - if existing one does not function while replacing Curb Box	EACH	6	\$750.00	\$4,500.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%
					\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0	\$0.00	#DIV/0!

Advance original bid #				
	\$2,713,433.75	Work completed, previous estimate	\$0.00	
Difference / Increase of		Work completed, this estimate	\$121,881.70	
	\$104,712.25	Total work completed	\$121,881.70	
		Retainage, this estimate	\$6,094.09	
		Total retainage, previous estimates	\$0.00	
		Total retainage	\$6,094.09	Max retainage to hold =
		Amount due to contractor, this estimate	\$115,787.62	Based off original bid price

\$6,094.09 Retainage Est #1
\$0.00 Retainage Est #2
Retainage Est #3

\$67,835.84

Max retainage to hold =
Based off original bid price



engineering | architecture | environmental | surveying
landscape architecture | planning | economic development

W61 N497 Washington Avenue
Cedarburg, WI 53012
262-204-2360
800-472-7372
FAX 262-375-2688
www.cedarcorp.com

February 22, 2023

Village of Jackson
N168 W20733 Main Street
PO Box 637
Jackson, WI 53037

Attn: Mr. Brian Kober, P.E., Director of Public Works

Re: Contractor's Application for Payment No. 5
Willow Ridge Drive Reconstruction
Project No. 05789-0013

Dear Mr. Kober:

Enclosed for your use in payment to Soper Sewer & Water LLC in the amount of \$41,865.80 is Contractor's Application for Payment No. 5. Also enclosed are the following documents:

- Final Lien Waivers (All w/ exception of Landscape Restoration Subcontractor)
- Partial Lien Waiver: Landscape Restoration Subcontractor – All Ways Const.
- Contractor Certificate Insurance

Following your review and approval, please complete the application for payment forms within the areas reserved for the Owner. Thereafter, retain one copy for your records, provide the second copy to the Contractor with payment, and provide the third copy to our office.

Should you have any questions, please feel free to contact me at our Cedarburg office.

Sincerely,

CEDAR CORPORATION

A handwritten signature in blue ink, appearing to read 'Douglas T. Kroes'.

Douglas T. Kroes
Senior Construction Manager

Enclosed: As Noted

Cc: Doug Hansen, Soper Sewer & Water LLC

Contractor's Application for Payment No. 5

To (Owner): Village of Jackson		Application Date: 11/9/2022	Application Period: Through 2/21/2022
Contact: Brian Kober		From (Contractor): Soper Sewer & Water LLC	Via (Engineer): Cedar Corporation
Project: Willow Ridge Drive Reconstruction		Contact: Doug Hansen	Contact: Doug Kroes
Address: 139 E. Packer Avenue Oshkosh, WI 54901		Address: Cedar Corporation W61 N497 Washington Avenue 53012 Cedarburg, WI	
Owner's Contract No.: A-21		Contractor's Project No.: SSW21-049	Engineer's Project No.: 05789-0013

Change Order Summary

Approved Change Orders		
Number	Additions	Deductions (Enter as Positive Number)
1	\$794.36	\$568.10
TOTALS	\$794.36	\$568.10
NET CHANGE BY CHANGE ORDERS	\$226.26	

1. ORIGINAL CONTRACT PRICE	\$ 788,832.75
2. Net change by Change Orders	\$ 226.26
3. CURRENT CONTRACT PRICE (Line 1 + Line 2)	\$ 789,059.01
4. TOTAL COMPLETED TO DATE (Column L Total on Progress Estimates)	\$ 789,059.01
5. RETAINAGE:	
a. 5% X _____ Work Completed	\$
6. RETAINAGE REDUCTION TO DATE (Enter as Positive Number) ..	\$ 5,000.00
7. AMOUNT ELIGIBLE TO DATE (Line 4 - Line 5a. + Line 6)	\$ 784,059.01
8. LESS PREVIOUS PAYMENTS (Line 7 from Prior Application)	\$ 742,193.21
9. AMOUNT DUE THIS APPLICATION	\$ 41,865.80

Contractor's Certification

The undersigned Contractor certifies that to the best of its knowledge:

(1) all previous progress payments received from Owner on account of Work done under the Contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with Work covered by prior Applications for Payment;

(2) title to all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner per Article 15 of the General Conditions; and

(3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: Satt Spr Date: 11/9/2022

Payment of: \$ 41,865.80
(Line 9 or other - attach explanation of the other amount)

Recommended by: Douglas T Kroes 2-22-23
(Engineer) (Date)

Payment of: \$
(Line 9 or other - attach explanation of the other amount)

Approved by: _____ (Owner) _____ (Date)

Progress Estimate - Unit Price Work

Contractor's Application for Payment No.

5

For (Project): Willow Ridge Drive Reconstruction								Application Date: 11/9/2022			
Application Period: Through 2/28/2022								Owner's Contract No.: A-21			
								Engineer's Project No.: 05789-0013			
A	B	C	D	E	F	G	H	I	J	K	L
Item No.	Description	Unit	Estimated Quantity	Bid Unit Price	Bid Item Value (\$)	Work Completed Previously		Work Completed This Period		Total Work Completed to Date	
						Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)	Estimated Quantity Installed	Value of Work Installed (\$)
1.	COMMON EXCAVATION	L.S.	4,200.00	\$ 16.20	\$ 68,040.00	3,150.00	\$ 51,030.00	1,050.00	\$ 17,010.00	4,200.00	\$ 68,040.00
2.	SAW CUTTING ASPHALT ROADWAY	L.S.	200.00	\$ 3.10	\$ 620.00	200.00	\$ 620.00	-16.00	\$ (49.60)	184.00	\$ 570.40
3.	SAN MH CHIMNEY & CASTING REPLACEMENT	I.D.	7.00	\$ 1,440.00	\$ 10,080.00	7.00	\$ 10,080.00		\$ -	7.00	\$ 10,080.00
4.	VALVE BOX REPLACEMENT	S.F.	3.00	\$ 420.00	\$ 1,260.00	2.00	\$ 840.00		\$ -	2.00	\$ 840.00
5.	48" STORM SEWER MANHOLE	L.F.	4.00	\$ 2,870.00	\$ 11,480.00	4.00	\$ 11,480.00		\$ -	4.00	\$ 11,480.00
6.	12" DIA. STORM SEWER	L.F.	595.00	\$ 90.00	\$ 53,550.00	639.00	\$ 57,510.00		\$ -	639.00	\$ 57,510.00
7.	6" DIA. PVC STORM SEWER	EA.	98.00	\$ 90.00	\$ 8,820.00	72.50	\$ 6,525.00		\$ -	72.50	\$ 6,525.00
8.	4" DIA. STORM LATERAL	EA.	2,084.00	\$ 68.00	\$ 141,712.00	2,031.10	\$ 138,114.80		\$ -	2,031.10	\$ 138,114.80
9.	STORM MANHOLE CHIMNEY & CASTING REPLACEMENT	1,000GAL	4.00	\$ 1,600.00	\$ 6,400.00	4.00	\$ 6,400.00	-1.00	\$ (1,600.00)	3.00	\$ 4,800.00
10.	CATCH BASIN REPLACEMENT	100 LBS	6.00	\$ 3,000.00	\$ 18,000.00	6.00	\$ 18,000.00		\$ -	6.00	\$ 18,000.00
11.	CURB BOX REPLACEMENT	L.F.	5.00	\$ 650.00	\$ 3,250.00	6.00	\$ 3,900.00	-1.00	\$ (650.00)	5.00	\$ 3,250.00
12.	CURB STOP REPLACEMENT	S.Y.	3.00	\$ 1,200.00	\$ 3,600.00	2.00	\$ 2,400.00		\$ -	2.00	\$ 2,400.00
13.	SANITARY LATERAL REPLACEMENT (1 UNIT)	S.Y.	12.00	\$ 200.00	\$ 2,400.00	12.50	\$ 2,500.00		\$ -	12.50	\$ 2,500.00
14.	6" SAN LATERAL RECONNECTION (7 UNITS)	L.S.	71.00	\$ 200.00	\$ 14,200.00	56.10	\$ 11,220.00	8.60	\$ 1,720.00	64.70	\$ 12,940.00
15.	REMOVE CONCRETE SIDEWALK	C.Y.	13,435.00	\$ 0.50	\$ 6,717.50	13,435.00	\$ 6,717.50		\$ -	13,435.00	\$ 6,717.50
16.	4" CONCRETE SIDEWALK	TON	12,968.00	\$ 4.35	\$ 56,410.80	12,253.05	\$ 53,300.77	840.22	\$ 3,654.98	13,093.27	\$ 56,955.72
17.	REMOVE CURB & GUTTER	S.Y.	3,461.00	\$ 0.70	\$ 2,422.70	3,461.00	\$ 2,422.70	8.00	\$ 5.60	3,469.00	\$ 2,428.30
18.	30" CURB & GUTTER TYPE "D"	TON	3,234.00	\$ 13.50	\$ 43,659.00	3,267.60	\$ 44,112.60	-26.60	\$ (359.10)	3,241.00	\$ 43,753.50
19.	REMOVE CONCRETE DRIVEWAY APRON	TON	6,754.00	\$ 0.50	\$ 3,377.00	6,754.00	\$ 3,377.00	-792.02	\$ (396.01)	5,961.98	\$ 2,980.99
20.	7" CONCRETE DRIVEWAY APRON & SIDEWALK	GAL	10,319.00	\$ 5.50	\$ 56,754.50	10,613.91	\$ 58,376.51	265.08	\$ 1,457.94	10,878.99	\$ 59,834.45
21.	EXCAVATION BELOW SUBGRADE (EBS)	TON	420.00	\$ 17.00	\$ 7,140.00	376.85	\$ 6,406.45		\$ -	376.85	\$ 6,406.45
22.	EBS BACKFILL 1-1/4" DENSE	TON	840.00	\$ 15.00	\$ 12,600.00	741.76	\$ 11,126.40		\$ -	741.76	\$ 11,126.40
23.	1-1/4" DENSE CRUSHED AGGREGATE BASE COURSE	L.F.	3,900.00	\$ 15.00	\$ 58,500.00	3,958.44	\$ 59,376.60	30.08	\$ 451.20	3,988.52	\$ 59,827.80
24.	LOWER LAYER HMA PAVEMENT 3-1/4"	L.F.	1,275.00	\$ 71.00	\$ 90,525.00	1,285.39	\$ 91,262.69		\$ -	1,285.39	\$ 91,262.69
25.	UPPER LAYER HMA PAVEMENT 1-3/4"	L.S.	685.00	\$ 75.65	\$ 51,820.25	724.08	\$ 54,776.65		\$ -	724.08	\$ 54,776.65
26.	TRAFFIC CONTROL (Includes Mobilization)	EA.	1.00	\$ 25,000.00	\$ 25,000.00	0.75	\$ 18,750.00	0.25	\$ 6,250.00	1.00	\$ 25,000.00
27.	LAWN RESTORATION	S.F.	3,509.00	\$ 6.00	\$ 21,054.00	3,509.00	\$ 21,054.00		\$ -	3,509.00	\$ 21,054.00
28.	INLET PROTECTION	S.F.	10.00	\$ 90.00	\$ 900.00	10.00	\$ 900.00		\$ -	10.00	\$ 900.00
29.	ABANDON 8" SAN SEWER & WTM	S.F.	1.00	\$ 4,880.00	\$ 4,880.00	1.00	\$ 4,880.00		\$ -	1.00	\$ 4,880.00
30.	REMOVE SAN. MANHOLE	S.Y.	1.00	\$ 2,660.00	\$ 2,660.00	1.00	\$ 2,660.00		\$ -	1.00	\$ 2,660.00
31.	SALVAGE HYDRANT AND VALVE	L.F.	1.00	\$ 1,000.00	\$ 1,000.00	1.00	\$ 1,000.00		\$ -	1.00	\$ 1,000.00
TOTAL BID ITEMS 1-31					\$ 788,832.75		\$ 761,119.67		\$ 27,494.99		\$ 788,614.65
ADDITIONAL ITEMS											
	DRIVEWAY PATCHING	TON	7	\$ 113.48	\$ 794.36	7.00	\$ 794.36		\$ -	7.00	\$ 794.36
	LUMP SUM SANITARY SEWER CASTING	LS	1	\$ (350.00)	\$ (350.00)		\$ -	1.00	\$ (350.00)	1.00	\$ (350.00)
					\$ -		\$ -		\$ -		\$ -
TOTAL ADDITIONAL ITEMS					\$ 444.36		\$ 794.36		\$ (350.00)		\$ 444.36
TOTAL ALL ITEMS					\$ 789,277.11		\$ 761,914.03		\$ 27,144.99		\$ 789,059.01

**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Traffic Control** pursuant to an agreement with **Barricade Flasher Service, Inc.** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 16th day of November 2022.

Barricade Flasher Service, Inc.

Tim Lampman
Signature

President Tim Lampman
Title

Email copy to:

jackiew@sopercompanies.com

**Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901**

RECEIVED

NOV 16 2022

Per TCR 10972.



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Materials** pursuant to an agreement with **County Materials** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 16 day of November, 2022.

County Materials

Signature

Brian L. Abitz, Corporate Credit Manager
Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901

Soper Sewer & Water LLC
Item Actual Cost Detail
July 11, 2019 through November 28, 2022

	<u>Date</u>	<u>Num</u>	<u>Name</u>	<u>Memo</u>	<u>Amount</u>
Other Charges					
MATERIALS (MATERIALS)					
Materials from Suppliers (Materials)					
	08/26/2021	3643205-00	Village of Jackson:SSW21-049 (2021 WILLOW RIDGE DR RECON)	COUNTY - Materials	2,879.20
	08/31/2021	3646418-00	Village of Jackson:SSW21-049 (2021 WILLOW RIDGE DR RECON)	COUNTY - Materials	4,095.02
	09/01/2021	3645888-00	Village of Jackson:SSW21-049 (2021 WILLOW RIDGE DR RECON)	COUNTY - Materials	2,675.38
Total Materials from Suppliers (Materials)					
Total MATERIALS (MATERIALS)					
Total Other Charges					
TOTAL					



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Materials** pursuant to an agreement with **ETNA Supply** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 16 day of November 2022

ETNA Supply

[Signature]
Signature

Credit Specialist
Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

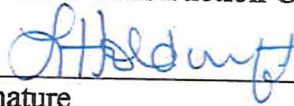
The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Concrete** pursuant to an agreement with **Sommers Construction Company** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 22nd day of February, 2023.

Sommers Construction Company



Signature

Accounting Manager

Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by Soper Sewer & Water LLC to furnish labor, equipment, materials and services for Materials pursuant to an agreement with Cretex Specialty Products for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 16th day of February, 2023.

Cretex Specialty Products

Kim Anderson
Signature

Office Manager - AR
Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

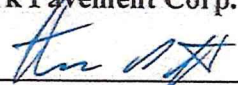
The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Asphalt Pavement** pursuant to an agreement with **Stark Pavement Corp** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 17th day of February, 2023.

Stark Pavement Corp.



Signature

VP of Finance

Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Sanitary Sewer** pursuant to an agreement with **MJ Construction Inc.** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 16th day of February, 2023.

MJ Construction Inc.

Michelle Magin
Signature

Michelle Magin - President
Title

Email copy to:
iackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



**LIEN WAIVER AND RELEASE OF CLAIMS
FINAL**

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Aggregate Materials** pursuant to an agreement with **Wissota Sand & Gravel** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 31st day of Oct., 2022

Wissota Sand and Gravel

Angela Walton
Signature

Office Manager
Title

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



LIEN WAIVER AND RELEASE OF CLAIMS

The undersigned has been employed by **Soper Sewer & Water LLC** to furnish labor, equipment, materials and services for **Sanitary Sewer** pursuant to an agreement with **All-Ways Contractors** for the improvements to:

Project: Willow Ridge Drive Reconstruction Contract A-21
Site Address: Village of Jackson, WI

For and in consideration of the sum of **\$27,106.89**, Subcontractor/Supplier does hereby waive and release all lien rights to or claim of lien on real property with respect to its work on the Project, and on the monies or other considerations due or to become due Subcontractor/Supplier by virtue of said work, including all rights under applicable laws and regulations relating to the Project, including, but not limited to, rights or claims to any lien on Project proceeds or rights or claims on any Payment and/or Performance Bonds.

Subcontractor/Supplier further represents and warrants that it has paid for all the labor, equipment, materials and services used, supplied or incorporated into its work, including such labor, equipment, materials and services of all its subcontractors and/or suppliers who have furnished the same as part of Subcontractor/Supplier work through and as of this 2nd day of Feb, 2022

Partial Lien Waiver
*\$1426.68 still unpaid

All-Ways Contractors

Signature [Signature]

Title [Signature]

Email copy to:
jackiew@sopercompanies.com

Soper Sewer & Water LLC
3420 Jackson Street Suite A
Oshkosh, WI 54901



SOPSEW-01

SSELL

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

7/25/2022

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER The Insurance Center 920 Association Drive W Appleton, WI 54914	CONTACT NAME: Sarah Sell		
	PHONE (A/C, No, Ext): (800) 944-1367 51137	FAX (A/C, No):	
	E-MAIL ADDRESS: ssell@ticinsurance.com		
INSURED Soper Sewer & Water LLC 3420 Jackson St, Suite A Oshkosh, WI 54901	INSURER(S) AFFORDING COVERAGE		NAIC #
	INSURER A: Acuity		14184
	INSURER B: StarStone Speciality Insurance Company		
	INSURER C: Evanston Insurance Co.		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER:

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	☒ COMMERCIAL GENERAL LIABILITY ☐ CLAIMS-MADE ☒ OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: ☐ POLICY ☒ PROJECT ☒ LOC OTHER:			ZD5905	7/30/2022	7/30/2023	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000
A	☐ AUTOMOBILE LIABILITY ☐ ANY AUTO OWNED AUTOS ONLY ☐ SCHEDULED AUTOS ☒ HIRED AUTOS ONLY ☒ NON-OWNED AUTOS ONLY			ZD5905	7/30/2022	7/30/2023	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$
A	☐ UMBRELLA LIAB ☒ OCCUR ☒ EXCESS LIAB ☐ CLAIMS-MADE DED ☒ RETENTION \$ 0			ZD5905	7/30/2022	7/30/2023	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000
A	☐ WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) ☐ Y ☒ N If yes, describe under DESCRIPTION OF OPERATIONS below		N/A	ZD5905	7/30/2022	7/30/2023	☒ PER STATUTE ☐ OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000
B	Excess Liability			C86670211ALI	7/30/2022	7/30/2023	Aggregate \$ 5,000,000
C	Pollution Liability			CPLMOL104122	9/14/2020	9/14/2022	Aggregate \$ 2,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Please see remarks on Page 2

Contract: #5789-0013
Project: Willow Ridge Drive Reconstruction

Village of Jackson and Cedar Corporation and any individuals or entities identified in the supplementary conditions are included as additional insureds for ongoing and completed operations on the general liability policy per forms CG2033R 0513, CG7277 0513, CG2032 0413 and CG2001 0413 to the extent SEE ATTACHED ACORD 101

CERTIFICATE HOLDER

CANCELLATION

Village of Jackson
N168 W20733 Main Street
PO Box 637
Jackson, WI 53037

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE



ADDITIONAL REMARKS SCHEDULE

AGENCY The Insurance Center		NAMED INSURED Soper Sewer & Water LLC 3420 Jackson St, Suite A Oshkosh, WI 54901	
POLICY NUMBER SEE PAGE 1			
CARRIER SEE PAGE 1	NAIC CODE SEE P 1	EFFECTIVE DATE: SEE PAGE 1	

ADDITIONAL REMARKS

THIS ADDITIONAL REMARKS FORM IS A SCHEDULE TO ACORD FORM,

FORM NUMBER: ACORD 25 FORM TITLE: Certificate of Liability Insurance

Description of Operations/Locations/Vehicles:

provided therein. Primary and non-contributory additional insureds coverage applies on the automobile liability and excess liability policies per forms CA7214 1098 and CU7098 1115 to the extent provided therein.

Remarks

Our agency has, upon your request, issued this certificate based on the information you provided. If you provided a contract, we reviewed only the insurance requirements portion of the contract. In performing this review, our Agency is not providing legal advice or a legal opinion concerning any portion of the contract. In addition, our Agency is not undertaking to identify all potential liabilities that may arise under this contract. This review is provided for your information, and should not be relied upon by third parties. Upon your authorization, we will make the necessary changes in your insurance program.

Public Works Report

February 28, 2023

Treatment Plant - Designed Capacity – 1.67 million gallons per day
 Peak Flow Capacity – 6.0 million gallons per day

Year 2021

January	Avg. Flow 1.075 MGD	Min. Flow 880,000 g.p.d.	Max. 1.460 MGD
February	Avg. Flow 1.015 MGD	Min. Flow 830,000 g.p.d.	Max. 1.590 MGD
March	Avg. Flow 1.525 MGD	Min. Flow 1.160 MGD	Max. 1.970 MGD
April	Avg. Flow 1.264 MGD	Min. Flow 1.020 MGD	Max. 1.950 MGD
May	Avg. Flow 1.108 MGD	Min. Flow 880,000 g.p.d.	Max. 1.450 MGD
June	Avg. Flow 1.091 MGD	Min. Flow 810,000 g.p.d.	Max. 1.670 MGD
July	Avg. Flow 983,226 g.p.d.	Min. Flow 780,000 g.p.d.	Max. 1.410 MGD
August	Avg. Flow 1.281 MGD	Min. Flow 800,000 g.p.d.	Max. 2.530 MGD
September	Avg. Flow 932,333 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.170 MGD
October	Avg. Flow 930,000 g.p.d.	Min. Flow 770,000 g.p.d.	Max. 1.140 MGD
November	Avg. Flow 853,667 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 970,000 g.p.d.
December	Avg. Flow 952,581 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 1.330 MGD

Year 2022

January	Avg. Flow 839,968 g.p.d.	Min. Flow 720,000 g.p.d.	Max. 960,000 g.p.d.
February	Avg. Flow 848,571 g.p.d.	Min. Flow 710,000 g.p.d.	Max. 1.080 MGD
March	Avg. Flow 1.499 MGD	Min. Flow 890,000 g.p.d.	Max. 3.910 MGD
April	Avg. Flow 2.245 MGD	Min. Flow 1.200 MGD	Max. 4.100 MGD
May	Avg. Flow 1.237 MGD	Min. Flow 850,000 g.p.d.	Max. 2.070 MGD
June	Avg. Flow 1.438 MGD	Min. Flow 780,000 g.p.d.	Max. 3.680 MGD
July	Avg. Flow 1.141 MGD	Min. Flow 760,000 g.p.d.	Max. 2.370 MGD
August	Avg. Flow 1.139 MGD	Min. Flow 810,000 g.p.d.	Max. 1.920 MGD
September	Avg. Flow 1.395 MGD	Min. Flow 780,000 g.p.d.	Max. 4.160 MGD
October	Avg. Flow 920,322 g.p.d.	Min. Flow 760,000 g.p.d.	Max. 1.130 MGD
November	Avg. Flow 1.259 MGD	Min. Flow 810,000 g.p.d.	Max. 2.660 MGD
December	Avg. Flow 1.267 MGD	Min. Flow 930,000 g.p.d.	Max. 2.190 MGD

Year 2023

January	Avg. Flow 1.247 MGD	Min. Flow 1.010 MGD	Max. 1.560 MGD
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Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	2017 Total Pumpage 251,387,000 gallons
2018 Total Pumpage 241,322,000 gallons	2019 Total Pumpage 253,427,000 gallons
2020 Total Pumpage 259,413,000 gallons	2021 Total Pumpage 242,216,000 gallons

Year 2021

Jan.	Avg.	565,650 g.p.d.	Highest Day 789,000 gals.	Total	17,535,000 gallons
Feb	Avg.	517,650 g.p.d.	Highest Day 913,000 gals.	Total	16,047,000 gallons
March	Avg.	583,770 g.p.d.	Highest Day 1.303 MGD	Total	18,097,000 gallons
April	Avg.	642,770 g.p.d.	Highest Day 1.190 MGD	Total	19,283,000 gallons
May	Avg.	659,610 g.p.d.	Highest Day 1.103 MGD	Total	20,448,000 gallons
June	Avg.	825,730 g.p.d.	Highest Day 1.311 MGD	Total	24,772,000 gallons
July	Avg.	750,190 g.p.d.	Highest Day 1.529 MGD	Total	23,256,000 gallons
August	Avg.	768,940 g.p.d.	Highest Day 1.920 MGD	Total	23,837,000 gallons
Sept	Avg.	633,060 g.p.d.	Highest Day 1.775 MGD	Total	19,625,000 gallons
Oct	Avg.	753,030 g.p.d.	Highest Day 1.992 MGD	Total	23,344,000 gallons
Nov	Avg.	619,870 g.p.d.	Highest Day 1.059 MGD	Total	18,596,000 gallons
Dec	Avg.	560,520 g.p.d.	Highest Day 1.167 MGD	Total	17,376,000 gallons

Year 2022

Jan.	Avg.	553,580 g.p.d.	Highest Day 707,000 gals.	Total	17,161,000 gallons
Feb.	Avg.	575,360 g.p.d.	Highest Day 683,000 gals.	Total	16,110,000 gallons
March	Avg.	578,290 g.p.d.	Highest Day 861,000 gals.	Total	17,927,000 gallons
April	Avg.	606,400 g.p.d.	Highest Day 1.084 MGD	Total	18,192,000 gallons
May	Avg.	605,190 g.p.d.	Highest Day 808,000 gals.	Total	18,761,000 gallons
June	Avg.	660,500 g.p.d.	Highest Day 1.034 MGD	Total	19,815,000 gallons
July	Avg.	685,520 g.p.d.	Highest Day 853,000 gals.	Total	21,251,000 gallons
August	Avg.	654,160 g.p.d.	Highest Day 800,000 gals.	Total	20,279,000 gallons
Sept	Avg.	602,170 g.p.d.	Highest Day 727,000 gals.	Total	18,065,000 gallons
October	Avg.	661,390 g.p.d.	Highest Day 1.185 MGD	Total	20,503,000 gallons
Nov	Avg.	561,670 g.p.d.	Highest Day 714,000 gals.	Total	16,850,000 gallons
Dec	Avg.	552,160 g.p.d.	Highest Day 712,000 gals.	Total	17,117,000 gallons

Year 2023

Jan.	Avg.	544,810 g.p.d.	Highest Day 716,000 gals.	Total	16,889,000 gallons
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Pump Capacity Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17
2017	\$232,358.23	2018	\$245,767.74	2019	\$219,822.80	2020	\$204,656.11
2021	\$209,083.10	2022	\$251,109.46				

2020	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
January	1,426,900				71,000	\$11,872.50
February	1,310,500			2,250	88,500	\$12,786.50
March	1,471,600	900		5,000	173,650	\$16,429.05
April	1,263,950			29,000	326,170	\$19,570.85
May	1,168,670			4,450	308,250	\$17,255.86
June	1,253,900			9,900	196,550	\$15,390.45
July	1,459,700			16,450	212,650	\$17,734.10
August	1,148,750			4,250	168,530	\$13,594.50
September	1,276,950			22,700	299,450	\$18,723.35
October	1,372,200	2,200		39,750	456,000	\$24,386.35
November	1,231,850			33,650	301,700	\$18,911.55
December	1,489,450			16,950	160,200	\$16,683.35

2021	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
January	1,284,600			6,650	77,250	\$12,507.30
February	1,386,475			3,000	44,450	\$12,338.05
March	1,633,050			27,600	206,050	\$19,457.65
April	1,425,850			38,000	268,500	\$19,829.30
May	1,297,900			34,550	232,100	\$17,740.45
June	1,392,350			52,800	258,500	\$19,977.30
July	1,338,500			31,600	245,050	\$18,256.25
August	1,499,450			31,200	196,250	\$18,305.85
September	1,389,200			23,900	213,400	\$17,524.10
October	1,275,550			16,250	297,260	\$18,367.15
November	1,249,400			22,400	224,200	\$16,608.20
December	1,448,000			32,000	205,900	\$18,171.50

2022	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
January	1,311,750	2,700			40,650	\$11,780.25
February	1,321,050	8,000			48,350	\$12,577.15
March	2,076,350	2,000		40,750	303,750	\$26,238.30
April	1,791,650	5,400	1,500	101,700	326,050	\$27,660.95
May	1,703,450		5,200	164,850	288,100	\$28,456.35
June	1,759,050	3,000		100,400	373,050	\$28,348.65
July	1,437,400	2,700		92,100	186,800	\$20,583.70
August	1,670,350	1,200	3,500	63,700	242,850	\$22,560.55
September	1,479,850			73,350	168,950	\$19,363.30
October	1,204,370	3,000	5,500	47,650	253,200	\$18,629.21
November	1,264,850		1,000	48,300	228,250	\$18,038.55
December	1,454,750		4,000	24,100	159,600	\$16,872.50

CTH P and STH 60 Intersection Project and old Park-n-Lot Property

This is a place holder for the item. We will look to contact WisDOT for a meeting in 2023.

Morning Meadows Subdivision

Streetlights are being planned by the Village for installation in Phase 1 and 2. Phase 1 and 2 has received the final lift of asphalt. Phase 3 is in discussion on a new concept plan. The Utilities are in negotiation on how to use the proposed sewer and water layout in Phase 3 for the sewer and water layout being proposed for CTH P Project.

Willow Ridge Drive Reconstruction Project

Streetlights and growing grass are the remaining items. The Village is still holding the retainage of the project. Reviewing Pay Request #5 to bring the project to the finish line.

Spruce Street/Ridgeway Drive Extension Project

We are working on a streetlight layout for the two streets. We now have poles, fixtures, and meter pedestals just need time for the layout for bidding.

Eagle Drive & STH 60 Intersection Improvement

The Village has been approved for funding by the State. The project design is in full completion mode for the November 2023 deadline. Environmental concerns, soil report, pavement design for the project are being approved to complete the design.

Midwest Fiber Installation

Street Opening Permits are being approved for the Fiber to the Home Project. In the process we are working with Mid-West for fiber to Utility owned properties.

Impact Fee Study

The study is in process, and the results will be discussed at the March Board of Public Works meeting.

Stormwater Ponds Management Inspection Program

A pause in the inspections have occurred until the vegetation becomes less in the Fall. Difficult to walk around some ponds. We are using the time to look for pond plans. In March or April, the program will start again.

Main Street (STH 60) Sewer and Water Replacement

The 2023 STH 60 Utility Upgrade Project continues with curb box replacements being completed on the southside of the roadway. The week of February 27th curb boxes on the northside will be replaced. The project has been stopping from the snowstorms. The detour route will be enforced on March 6th when the major portion of project will start. Preliminary Assessment letters have been sent, and discussions have begun with property owners for lateral replacements.

CTH P (Sherman Road to STH 60) Utility Project

Starting to work on the design for bidding. Working with Morning Meadows Subdivision Developers to determine where we start the utility to head north along CTH P. Planning to bid the project maybe March or April of 2023.

Maple Fields Subdivision

The subdivision has been paved. We-Energies Utility installation is occurring. Streetlights and sidewalks still need to be completed in Phase 1.

Next Generation Housing

Utility plans are being finalized for review at the next Board of Public Works meeting.

Respectfully submitted, Brian W. Kober, P.E.