



**VILLAGE OF JACKSON
BOARD OF PUBLIC WORKS MEETING AGENDA
JULY 25, 2023 at 6:00 P.M.
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 June 27, 2023
3. Review of Eagle Scout Project for Hickory Lane Park Soccer Fields
4. Resolution 23-17 Adopting 2022 Compliance Maintenance Annual Report
5. Review of Final Assessment for STH 60 Utility Upgrade Project
6. Review of Sale of Jackson Sewer Utility 2011 Vactor Jet/Vac Truck
7. Review of Bid for WWTP Storage Building Expansion
8. Review of Preliminary Assessment for 2023 Utility and Street Improvement Project
9. Resolution 23-18 Accepting Sanitary Sewer and Water in Maple Fields Phase 1
10. Review of future purchase of Public Works Equipment
11. Change Order #1 – Oaks of Jackson Subdivision - Roadway Stabilization
12. Review of 15-year Capital Road Improvement Plan
13. Director of Public Works Report
14. Citizens/Village Staff to address the Board
15. 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, June 27, 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

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

Members Present: Tr. Matter, Stephanie Egner, Chris Sberna and Jeff Mitchell

Member Excused: Tr. Engelhardt

Also Present: Trustee Don Olson

Staff Present: Administrator Jen Keller, Director of Public Works Brian Kober

2. Approval of the Board of Public Works Minutes of May 30, 2023

Motion by Tr. Matter, second by Chris Sberna to approve the Board of Public Works minutes of May 30, 2023.

Vote: 5 ayes, 0 nays. Motion carried.

3. Review of Storm Water Issues at N167W21182 South Street

Director Kober gave background information on the matter. Recommendation is that this is a private property matter and nothing additional the Village can do, previously, the Village had installed a catch basin, with the understanding the property owner at that time was to add piping and pond at their expense. Advised the homeowner to work with their HOA.

No action necessary by the board.

4. Change Order #1 – Jackson Park Tennis and Pickleball Court Project

Director Kober reviewed changes. When removing existing asphalt, found the stone base material to be in good shape, so received a cost savings for not needing to remove and haul away.

Motion by Pres. Heckendorf, second by Jeff Mitchell to accept Change Order # 1 with a credit of \$17,000.00 and accept the amended contract amount of \$380,968.60 with recommendation to the Budget and Finance and Village Board to approve Change order Request #1 by Vinton Construction.

Vote: 5 ayes, 0 nays. Motion carried.

5. Pay Request #1 – Jackson Park Tennis and Pickleball Court Project

Director Kober addressed Pay Request #1 should have been #4 on the agenda and the Change order #5, the pay request still reflects the original contract amount since the change order is not included. The next pay request will include the change order #1. Project is progressing on time.

Motion by Tr. Matter, second by Jeff Mitchell to recommend Budget and Finance and Village Board approve Pay Request #1 for \$209,690.55 paid to Vinton Construction Company.

Vote: 5 ayes, 0 nays. Motion carried.

6. **Pay Request #1 – Oaks of Jackson Subdivision -DF Tomasini Contractors, Inc.**
Director Kober commented on the status of the project, all is progressing timely. Mid-July will start the roadway preparation for curb and gutter.

Motion by Pres. Heckendorf, second by Tr. Matter to recommend Budget and Finance and Village Board approve Pay Request #1 to DF Tomasini Contractors, Inc. in the amount of \$714,682.67.
Vote: 5 ayes, 0 nays. Motion carried.
7. **Pay Request #1 – 2023 Utility & Streets Improvements Project -Vinton Construction**
Director Kober commented on the status of the project, this has been for the sanitary sewer extension in Sherman Road.

Motion by Pres. Heckendorf, second by Jeff Mitchell to recommend Budget and Finance and Village Board approve Pay Request #1 in the amount of \$227,938.26 paid to Vinton Construction for the 2023 Utility and Streets Improvements Project.
Vote: 5 ayes, 0 nays. Motion carried.
8. **Pay Request #5 – STH 60 Utility Upgrade Project – Advance Construction Inc.**
Director Kober provided an update of status for the project, contractor finishing up landscaping punch list items.

Motion by Tr. Matter, second by Chris Sberna to recommend Budget and Finance and Village Board approve Pay Request #5 to Advance Construction Inc. in the amount of \$540,265.76.
Vote: 5 ayes, 0 nays. Motion carried.
9. **Pay Request #6 – 2021 Willow Ridge Dr. Reconstruction Project – Soper LLC.**
Director Brian Kober provided info on completed project. Had previously withheld \$5,000.00. Soper has gone above and beyond to complete punch items.

Motion by Pres. Heckendorf, second by Stephanie Egner to recommend Budget and Finance and Village Board approve Pay Request #6 to Soper LLC. in the amount of \$5000.00 for final payment.
Vote: 5 ayes, 0 nays. Motion carried.
10. **Director of Public Works Report**
Director Kober provided a brief background of the report.
Motion by Pres. Heckendorf, second by Tr. Matter to place the Director of Public Works Report on file.
Vote: 5 ayes, 0 nays. Motion carried.
11. **Citizens/Village Staff to Address the Board – No one spoke.**
12. **Adjourn**
Motion by Pres. Heckendorf , second by Tr. Matter to adjourn.
Vote: 5 ayes, 0 nays. Meeting was adjourned at 6:37p.m.

Respectfully submitted,

Pamela Wolf
Deputy Clerk/Treasurer

Hickory Soccer Benches an Eagle Scout Project

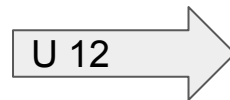
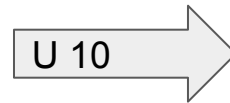
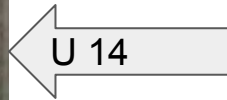
By Brayden Voge

Project description

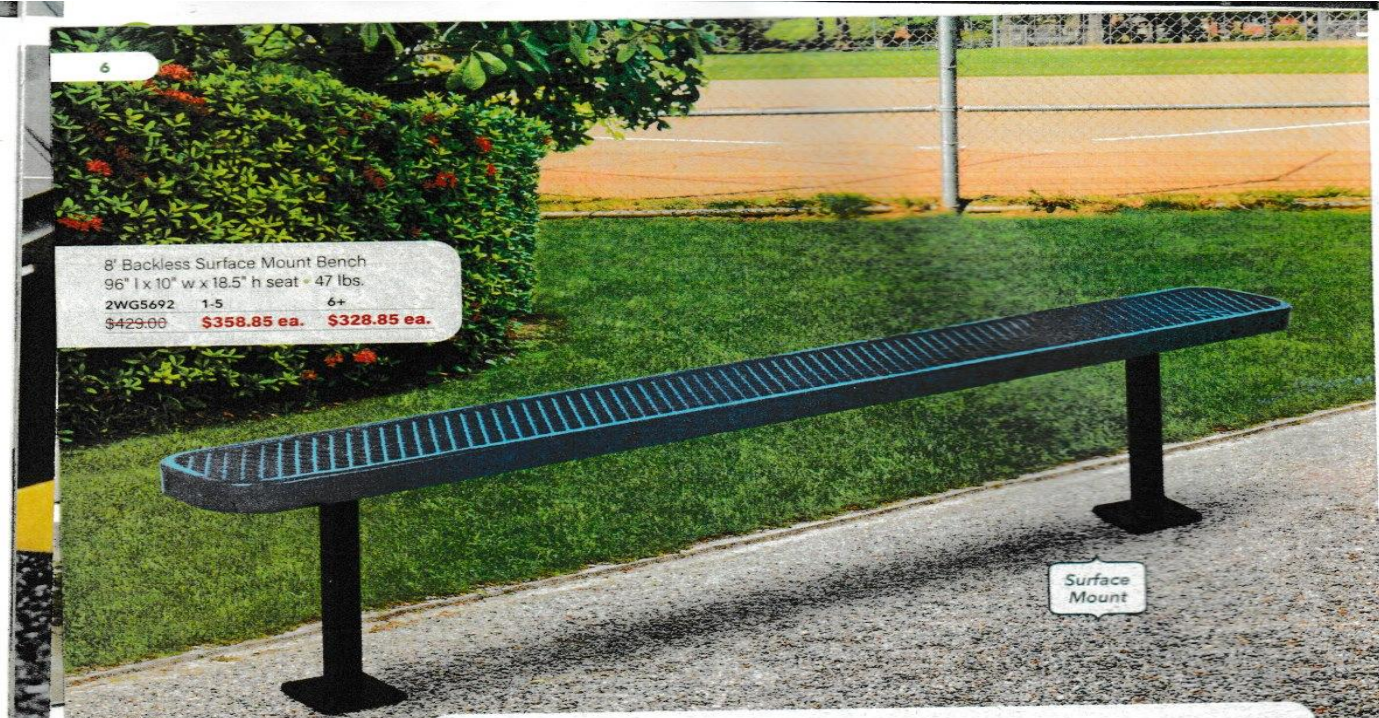
I am going to be Installing 6 benches at hickory Park to give the soccer players a place to sit down while they are playing a game. We are surface mounting them on a concrete pad to make it maintenance free.



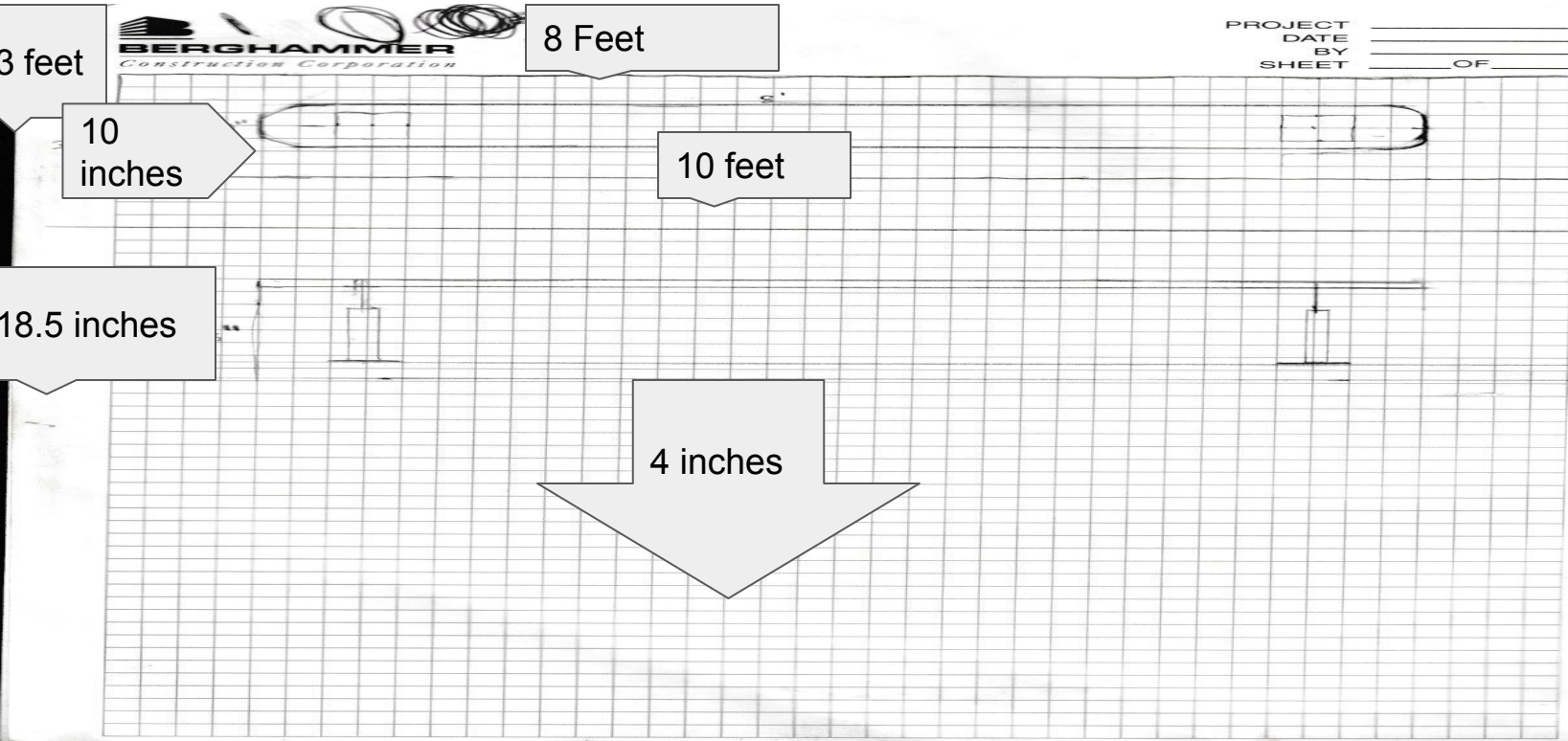
Site map



What the bench is going to look like



Dimensions



Budget

The total cost of the whole entire project is going to be a grand total of 3,214.10

6 benches=2,614.10

96 bags of concrete=600

Stone is being provide by jackson public works

Fundraising

I am planning on asking family, friends and businesses if they will donate to my eagle scout project. I will also be asking companies if they would be willing to give me a discount on some of the items or donate the items to help save on the cost.

Timeline and Installation

I am going to ask for the approval by the Jackson public works committee on July 25th

I am going to ask to get the approval by the Jackson village board on August 8th

I will be submitting it after all the approvals to the boy scout board also for approval

I will be starting to fundraising for my project after all the approvals

I am going to buy the needed materials after all the approvals

I am hopefully going to pour the concrete pads at the end of August and then let them dry

I will then be installing the surface mount benches a week later after concrete is dry

RESOLUTION #23-17

A RESOLUTION ADOPTING THE 2022 COMPLIANCE MAINTENANCE ANNUAL REPORT FOR THE JACKSON WASTEWATER TREATMENT FACILITY

WHEREAS, the State of Wisconsin Department of Natural Resources requires a Compliance Maintenance Annual Report for the Village of Jackson Wastewater Treatment Plant; and

WHEREAS, the Village of Jackson Wastewater Treatment Plant Superintendent, the Village's Engineer, the Village Clerk and the Village Treasurer have completed the necessary information requested in the annual report; and

NOW, THEREFORE, BE IT RESOLVED, that the Village Board of the Village of Jackson, Washington County, Wisconsin, does hereby resolve that the Village Board has reviewed the Compliance Maintenance Annual Report, and has approved it for submission.

Introduced by: _____

Seconded by: _____

Vote: _____ Aye _____ Nay

Passed and Approved: _____

Brian J. Heckendorf – Village President

Attest: _____
Pamela Wolf – Deputy Village Clerk

Proof of Posting:

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

Village Official

Date

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

Influent Flow and Loading

1. Monthly Average Flows and BOD Loadings

1.1 Verify the following monthly flows and BOD loadings to your facility.

Influent No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average BOD Concentration mg/L	x	8.34	=	Influent Monthly Average BOD Loading, lbs/day
January	0.8397	x	395	x	8.34	=	2,766
February	0.8486	x	391	x	8.34	=	2,768
March	1.4994	x	301	x	8.34	=	3,758
April	2.2447	x	367	x	8.34	=	6,877
May	1.2368	x	265	x	8.34	=	2,730
June	1.4377	x	304	x	8.34	=	3,643
July	1.1413	x	276	x	8.34	=	2,631
August	1.1390	x	261	x	8.34	=	2,479
September	1.3947	x	330	x	8.34	=	3,844
October	0.9203	x	282	x	8.34	=	2,164
November	1.2590	x	280	x	8.34	=	2,938
December	1.2671	x	294	x	8.34	=	3,110

2. Maximum Monthly Design Flow and Design BOD Loading

2.1 Verify the design flow and loading for your facility.

Design	Design Factor	x	%	=	% of Design
Max Month Design Flow, MGD	1.875	x	90	=	1.6875
		x	100	=	1.875
Design BOD, lbs/day	2980	x	90	=	2682
		x	100	=	2980

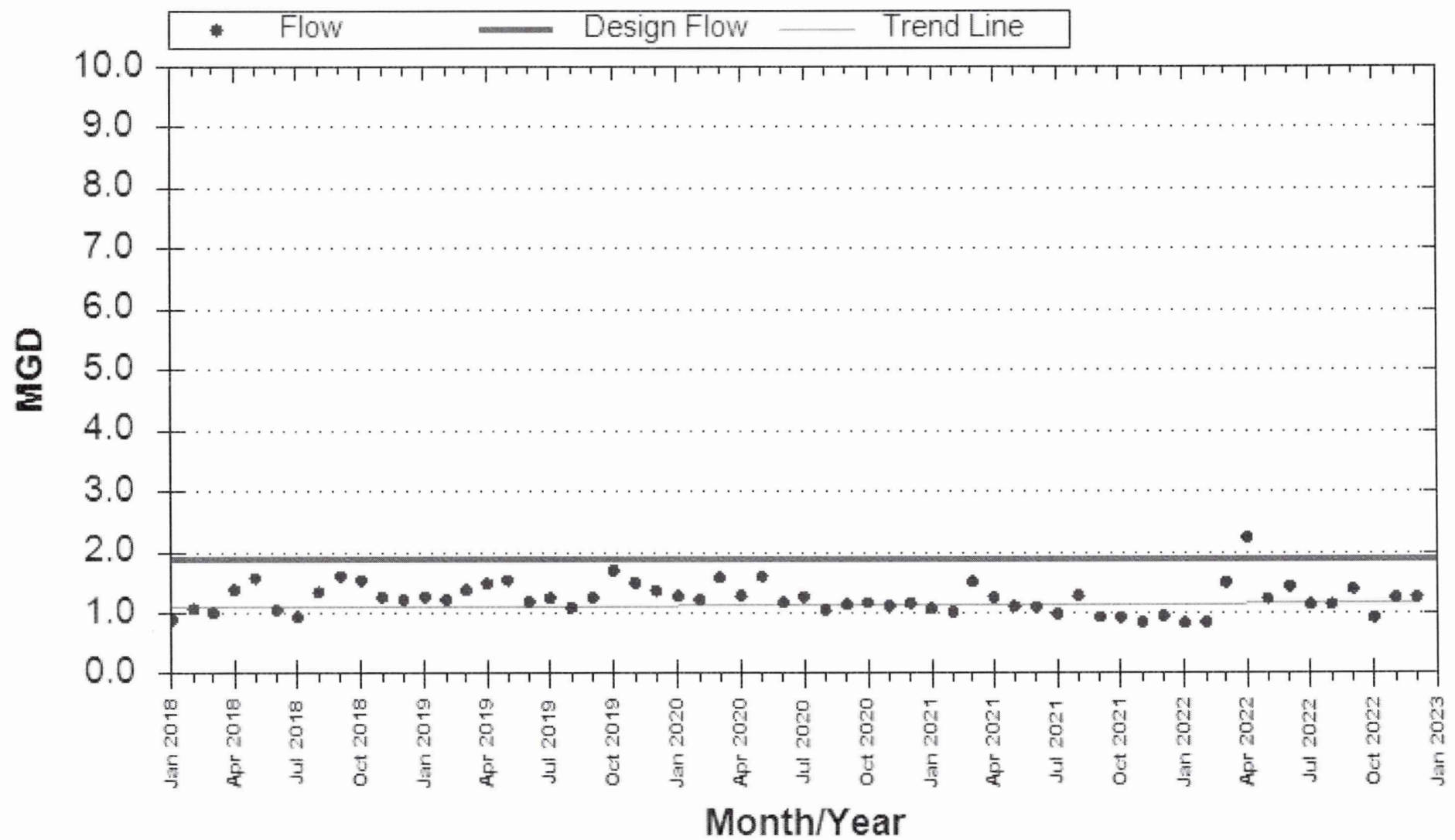
2.2 Verify the number of times the flow and BOD exceeded 90% or 100% of design, points earned, and score:

	Months of Influent	Number of times flow was greater than 90% of	Number of times flow was greater than 100% of	Number of times BOD was greater than 90% of design	Number of times BOD was greater than 100% of design
January	1	0	0	1	0
February	1	0	0	1	0
March	1	0	0	1	1
April	1	1	1	1	1
May	1	0	0	1	0
June	1	0	0	1	1
July	1	0	0	0	0
August	1	0	0	0	0
September	1	0	0	1	1
October	1	0	0	0	0
November	1	0	0	1	0
December	1	0	0	1	1
Points per each		2	1	3	2
Exceedances		1	1	9	5
Points		2	1	27	10
Total Number of Points					40

40

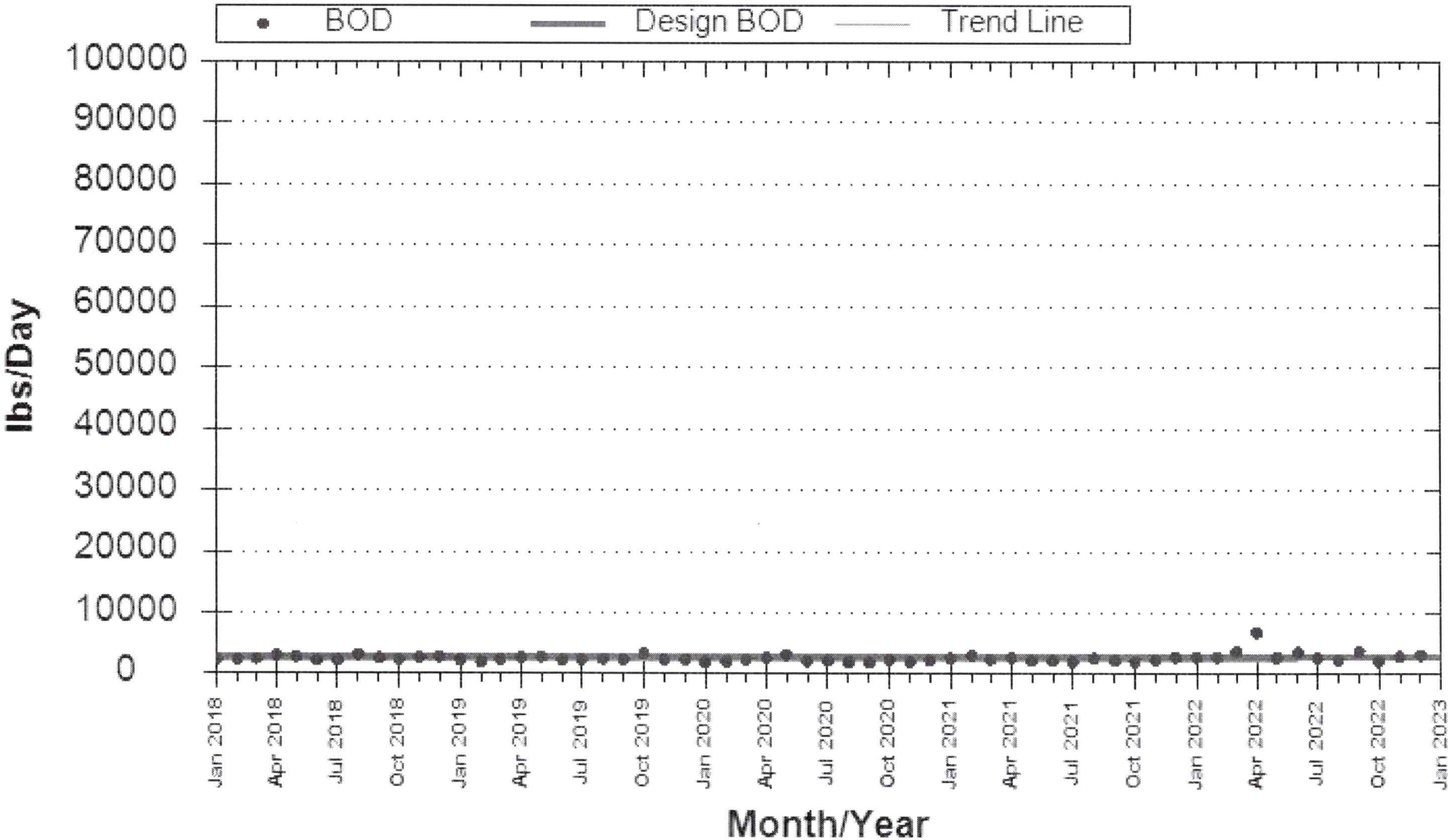
Jackson (Village) Wastewater Treatment Plant
Linear equation uses 2004 - 2022 CMAR data
for Trend Line: $y = 0.001252 x + 1.09$

*Monthly Average Influent Flow
Year Trend Line Intersects Avg Flow: 2070*



Jackson (Village) Wastewater Treatment Plant
Linear equation uses 2004 - 2022 CMAR data
for Trend Line: $y = 0.473465x + 2336.79$

Monthly Average Influent BOD Loading
Year Trend Line Intersects Design BOD: > 2200



Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

3. Flow Meter

3.1 Was the influent flow meter calibrated in the last year?

- ☒ Yes Enter last calibration date (MM/DD/YYYY)

2022-08-25

- ☐ No

If No, please explain:

4. Sewer Use Ordinance

4.1 Did your community have a sewer use ordinance that limited or prohibited the discharge of excessive conventional pollutants ((C)BOD, SS, or pH) or toxic substances to the sewer from industries, commercial users, hauled waste, or residences?

- ☒ Yes

- ☐ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

- ☐ Yes

- ☒ No

If Yes, please explain:

5. Septage Receiving

5.1 Did you have requests to receive septage at your facility?

Septic Tanks Holding Tanks Grease Traps

- ☒ Yes

- ☒ Yes

- ☐ Yes

- ☐ No

- ☐ No

- ☒ No

5.2 Did you receive septage at your facility? If yes, indicate volume in gallons.

Septic Tanks

- ☒ Yes 3376500 gallons

- ☐ No

Holding Tanks

- ☒ Yes 18474870 gallons

- ☐ No

Grease Traps

- ☐ Yes gallons

- ☒ No

5.2.1 If yes to any of the above, please explain if plant performance is affected when receiving any of these wastes.

The plant response well to the hauled waste.

6. Pretreatment

6.1 Did your facility experience operational problems, permit violations, biosolids quality concerns, or hazardous situations in the sewer system or treatment plant that were attributable to commercial or industrial discharges in the last year?

- ☐ Yes

- ☒ No

If yes, describe the situation and your community's response.

6.2 Did your facility accept hauled industrial wastes, landfill leachate, etc.?

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/12/2023 2022

☐ Yes ☒ No If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.	
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Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

1.1 Verify the following monthly average effluent values, exceedances, and points for BOD or CBOD

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	17	15.3	6	1	0	0
February	17	15.3	8	1	0	0
March	17	15.3	10	1	0	0
April	17	15.3	9	1	0	0
May	12	10.8	2	1	0	0
June	12	10.8	4	1	0	0
July	12	10.8	5	1	0	0
August	12	10.8	5	1	0	0
September	12	10.8	5	1	0	0
October	12	10.8	1	1	0	0
November	17	15.3	2	1	0	0
December	17	15.3	4	1	0	0

* Equals limit if limit is ≤ 10

Months of discharge/yr	12		
Points per each exceedance with 12 months of discharge		7	3
Exceedances		0	0
Points		0	0
Total number of points			0

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge. Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

2. Flow Meter Calibration

2.1 Was the effluent flow meter calibrated in the last year?

☒ Yes

Enter last calibration date (MM/DD/YYYY)

2022-08-25

☐ No

If No, please explain:

3. Treatment Problems

3.1 What problems, if any, were experienced over the last year that threatened treatment?

None

4. Other Monitoring and Limits

4.1 At any time in the past year was there an exceedance of a permit limit for any other pollutants such as chlorides, pH, residual chlorine, fecal coliform, or metals?

☒ Yes

☐ No

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

If Yes, please explain:

1-21-22 Our Ammonia Daily Max was >14

4.2 At any time in the past year was there a failure of an effluent acute or chronic whole effluent toxicity (WET) test?

☒ Yes

☐ No

If Yes, please explain:

2-22-22 Failed Chronic Cdubia portion

4.3 If the biomonitoring (WET) test did not pass, were steps taken to identify and/or reduce source(s) of toxicity?

☒ Yes

☐ No

☐ N/A

Please explain unless not applicable:

Retested two more times and passed both of those. We also did more Chloride Testing.

Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

1.1 Verify the following monthly average effluent values, exceedances, and points for TSS:

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	12	10.8	2	1	0	0
February	12	10.8	3	1	0	0
March	12	10.8	11	1	0	0
April	12	10.8	2	1	0	0
May	12	10.8	1	1	0	0
June	12	10.8	2	1	0	0
July	12	10.8	3	1	0	0
August	12	10.8	4	1	0	0
September	12	10.8	3	1	0	0
October	12	10.8	2	1	0	0
November	12	10.8	2	1	0	0
December	12	10.8	3	1	0	0

* Equals limit if limit is ≤ 10

Months of Discharge/yr	12		
Points per each exceedance with 12 months of discharge:		7	3
Exceedances		0	0
Points		0	0
Total Number of Points			

NOTE: For systems that discharge intermittently to state waters, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/12/2023

2022

Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

1.1 Verify the following monthly and weekly average effluent values, exceedances and points for ammonia

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceed ance
January	7		2.262	0					
February	7		1.146	0					
March	7		.899	0					
April	4.3		1.553	0					
May	5.7		.364	0					
June	3.9		1.904	0					
July	3.9		.744	0					
August	3.9		1.519	0					
September	3.9		1.035	0					
October	4.3		.633	0					
November	7		.356	0					
December	7		1.321	0					
Points per each exceedance of Monthly average:									10
Exceedances, Monthly:									0
Points:									0
Points per each exceedance of weekly average (when there is no monthly average):									2.5
Exceedances, Weekly:									0
Points:									0
Total Number of Points									0

0

NOTE: Limit exceedances are considered for monthly OR weekly averages but not both. When a monthly average limit exists it will be used to determine exceedances and generate points. This will be true even if a weekly limit also exists. When a weekly average limit exists and a monthly limit does not exist, the weekly limit will be used to determine exceedances and generate points.

1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/12/2023 2022

Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

1.1 Verify the following monthly average effluent values, exceedances, and points for Phosphorus

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	.85	0.711	1	0
February	.85	0.743	1	0
March	.85	0.656	1	0
April	.85	0.431	1	0
May	.85	0.674	1	0
June	.85	0.651	1	0
July	.85	0.731	1	0
August	.85	0.829	1	0
September	.85	0.828	1	0
October	.85	0.756	1	0
November	.85	0.688	1	0
December	.85	0.771	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

0

NOTE: For systems that discharge intermittently to waters of the state, the points per monthly exceedance for this section shall be based upon a multiplication factor of 12 months divided by the number of months of discharge.

Example: For a wastewater facility discharging only 6 months of the year, the multiplication factor is $12/6 = 2.0$

1.2 If any violations occurred, what action was taken to regain compliance?

Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/12/2023 2022

Biosolids Quality and Management

1. Biosolids Use/Disposal

1.1 How did you use or dispose of your biosolids? (Check all that apply)

- ☐ Land applied under your permit
☐ Publicly Distributed Exceptional Quality Biosolids
☒ Hauled to another permitted facility
☐ Landfilled
☐ Incinerated
☐ Other

NOTE: If you did not remove biosolids from your system, please describe your system type such as lagoons, reed beds, recirculating sand filters, etc.

1.1.1 If you checked Other, please describe:

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

3.1 For each outfall tested, verify the biosolids metal quality values for your facility during the last calendar year.

Outfall No. 002 - ANAEROBIC LIQUID

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75				<1.49										0	0
Cadmium		39	85				<.1										0	0
Copper		1500	4300		712		659			665			758				0	0
Lead		300	840				<1										0	0
Mercury		17	57				<.078										0	0
Molybdenum	60		75				<.15									0		0
Nickel	336		420				<.25									0		0
Selenium	80		100				<1.98									0		0
Zinc		2800	7500				10.2										0	0

3.1.1 Number of times any of the metals exceeded the high quality limits OR 80% of the limit for molybdenum, nickel, or selenium = 0

Exceedence Points

- 0 (0 Points)
○ 1-2 (10 Points)
○ > 2 (15 Points)

3.1.2 If you exceeded the high quality limits, did you cumulatively track the metals loading at each land application site? (check applicable box)

- Yes
○ No (10 points)
● N/A - Did not exceed limits or no HQ limit applies (0 points)
○ N/A - Did not land apply biosolids until limit was met (0 points)

3.1.3 Number of times any of the metals exceeded the ceiling limits = 0

Exceedence Points

- 0 (0 Points)
○ 1 (10 Points)
○ > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

- Yes (20 Points)
● No (0 Points)

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/12/2023 **2022**

3.1.5 If any metal limit (high quality or ceiling) was exceeded at any time, what action was taken?
Has the source of the metals been identified?

0

4. Pathogen Control (per outfall):

4.1 Verify the following information. If any information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2022 - 12/31/2022
Density:	25,384
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	anaerobic digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2022 - 03/31/2022
Density:	25,384
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	anaerobic digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2022 - 06/30/2022
Density:	25,384
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	anaerobic digestion

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/12/2023 2022

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2022 - 09/30/2022
Density:	25,384
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	No
Process:	Anaerobic Digestion
Process Description:	anaerobic digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	10/01/2022 - 12/31/2022
Density:	25,384
Sample Concentration Amount:	MPN/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	anaerobic digestion

4.2 If exceeded Class B limit or did not meet the process criteria at the time of land application.

4.2.1 Was the limit exceeded or the process criteria not met at the time of land application?

☐ Yes (40 Points)

☒ No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

5.1 Verify the following information. If any of the information is incorrect, use the Report Issue button under the Options header in the left-side menu.

Outfall Number:	002
Method Date:	12/31/2022
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	03/31/2022
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

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Outfall Number:	002		0
Method Date:	06/30/2022		
Option Used To Satisfy Requirement:	Injection when land apply		
Requirement Met:	Yes		
Land Applied:	Yes		
Limit (if applicable):			
Results (if applicable):			
Outfall Number:	002		0
Method Date:	09/30/2022		
Option Used To Satisfy Requirement:	Injection when land apply		
Requirement Met:	Yes		
Land Applied:	No		
Limit (if applicable):			
Results (if applicable):			
Outfall Number:	002		0
Method Date:	12/31/2022		
Option Used To Satisfy Requirement:	Injection when land apply		
Requirement Met:	Yes		
Land Applied:	Yes		
Limit (if applicable):			
Results (if applicable):			
5.2 Was the limit exceeded or the process criteria not met at the time of land application?			
☐ Yes (40 Points)			
☒ No			
If yes, what action was taken?			
6. Biosolids Storage			
6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site?			
☒ >= 180 days (0 Points)			
☐ 150 - 179 days (10 Points)			
☐ 120 - 149 days (20 Points)			
☐ 90 - 119 days (30 Points)			
☐ < 90 days (40 Points)			
☐ N/A (0 Points)			
6.2 If you checked N/A above, explain why.			
7. Issues			
7.1 Describe any outstanding biosolids issues with treatment, use or overall management:			
No issues at this time.			

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Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

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Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing 1.1 Was your wastewater treatment plant adequately staffed last year? ● Yes ○ No If No, please explain: Could use more help/staff for: 1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping? ● Yes ○ No If No, please explain:	
2. Preventative Maintenance 2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items? ● Yes (Continue with question 2) ☐☐ ○ No (40 points) ☐☐ If No, please explain, then go to question 3: 2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment? ● Yes ○ No (10 points) 2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly? ○ Yes ○ Paper file system ○ Computer system ● Both paper and computer system ○ No (10 points)	0
3. O&M Manual 3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed? ● Yes ○ No	
4. Overall Maintenance /Repairs 4.1 Rate the overall maintenance of your wastewater plant. ○ Excellent ● Very good ○ Good ○ Fair ○ Poor Describe your rating:	

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Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

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Operator Certification and Education

1. Operator-In-Charge

1.1 Did you have a designated operator-in-charge during the report year?

- ☒ Yes (0 points)
- ☐ No (20 points)

Name:

CHAD M RUSS

Certification No:

35582

0

2. Certification Requirements

2.1 In accordance with Chapter NR 114.56 and 114.57, Wisconsin Administrative Code, what level and subclass(es) were required for the operator-in-charge (OIC) to operate the wastewater treatment plant and what level and subclass(es) were held by the operator-in-charge?

Sub Class	SubClass Description	WWTP	OIC		
		Advanced	OIT	Basic	Advanced
A1	Suspended Growth Processes	X			X
A2	Attached Growth Processes				
A3	Recirculating Media Filters				
A4	Ponds, Lagoons and Natural				
A5	Anaerobic Treatment Of Liquid				
B	Solids Separation	X			X
C	Biological Solids/Sludges	X			X
P	Total Phosphorus	X			X
N	Total Nitrogen				
D	Disinfection	X			X
L	Laboratory	X			X
U	Unique Treatment Systems				
SS	Sanitary Sewage Collection	X	NA	NA	NA

0

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS is required 5 years after permit reissuance.)

- ☒ Yes (0 points)
- ☐ No (20 points)

3. Succession Planning

3.1 In the event of the loss of your designated operator-in-charge, did you have a contingency plan to ensure the continued proper operation and maintenance of the plant that includes one or more of the following options (check all that apply)?

- ☒ One or more additional certified operators on staff
- ☐ An arrangement with another certified operator
- ☒ An arrangement with another community with a certified operator
- ☐ An operator on staff who has an operator-in-training certificate for your plant and is expected to be certified within one year
- ☒ A consultant to serve as your certified operator
- ☐ None of the above (20 points)

If "None of the above" is selected, please explain:

0

4. Continuing Education Credits

4.1 If you had a designated operator-in-charge, was the operator-in-charge earning Continuing Education Credits at the following rates?

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OIT and Basic Certification: ○ Averaging 6 or more CECs per year. ○ Averaging less than 6 CECs per year. Advanced Certification: ● Averaging 8 or more CECs per year. ○ Averaging less than 8 CECs per year.	
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Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

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Financial Management

1. Provider of Financial Information		
Name:	Brian Kober	
Telephone:	262-677-0707	(XXX) XXX-XXXX
E-Mail Address (optional):	brian.kober@villageofjacksonwi.gov	
2. Treatment Works Operating Revenues		
2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?		
● Yes (0 points) ☐		
○ No (40 points)		
If No, please explain:		
2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?		
Year:	2022	0
● 0-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A (private facility)		
2.3 Did you have a special account (e.g., CWP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?		
● Yes (0 points)		
○ No (40 points)		
REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]		
3. Equipment Replacement Funds		
3.1 When was the Equipment Replacement Fund last reviewed and/or revised?		
Year:	2022	
● 1-2 years ago (0 points) ☐		
○ 3 or more years ago (20 points) ☐		
○ N/A		
If N/A, please explain:		
3.2 Equipment Replacement Fund Activity		
3.2.1 Ending Balance Reported on Last Year's CMAR	\$	1,254,231.01
3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)	\$	0.00
3.2.3 Adjusted January 1st Beginning Balance	\$	1,254,231.01
3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)	+	\$ 287,795.00

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3.2.5 Subtractions from Fund (e.g., equipment replacement, major repairs - use description box 3.2.6.1 below*)

- \$ 0.00

3.2.6 Ending Balance as of December 31st for CMAR Reporting Year

\$ 1,542,026.01

All Sources: This ending balance should include all Equipment Replacement Funds whether held in a bank account(s), certificate(s) of deposit, etc.

3.2.6.1 Indicate adjustments, equipment purchases, and/or major repairs from 3.2.5 above.

3.3 What amount should be in your Replacement Fund? \$ 273,600.00

0

Please note: If you had a CWWP loan, this amount was originally based on the Financial Assistance Agreement (FAA) and should be regularly updated as needed. Further calculation instructions and an example can be found by clicking the SectionInstructions link under Info header in the left-side menu.

3.3.1 Is the December 31 Ending Balance in your Replacement Fund above, (#3.2.6) equal to, or greater than the amount that should be in it (#3.3)?

☒ Yes

☐ No

If No, please explain.

4. Future Planning

4.1 During the next ten years, will you be involved in formal planning for upgrading, rehabilitating, or new construction of your treatment facility or collection system?

☒ Yes - If Yes, please provide major project information, if not already listed below. ☐ ☐

☐ No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	The current discharge permit has a August 31, 2026 compliance date requirement for lower phosphorus limit. We are investigating a variety of options to meet the lower limit. Also, a new Facilities Planning Study has been completed.	\$120,000	2024

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

6.1.1 Enter the monthly energy usage from the different energy sources:

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations:

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	310	
February	248	
March	283	
April	424	
May	322	
June	326	
July	269	
August	277	
September	340	
October	267	
November	286	
December	286	
Total	3,638	0
Average	303	0

6.1.2 Comments:

6.2 Energy Related Processes and Equipment

6.2.1 Indicate equipment and practices utilized at your pump/lift stations (Check all that apply):

- ☐ Comminution or Screening
- ☐ Extended Shaft Pumps
- ☐ Flow Metering and Recording
- ☐ Pneumatic Pumping
- ☒ SCADA System
- ☐ Self-Priming Pumps
- ☒ Submersible Pumps
- ☐ Variable Speed Drives
- ☐ Other:

6.2.2 Comments:

Pull pumps twice a year for Preventative Maintenance.

6.3 Has an Energy Study been performed for your pump/lift stations?

☒ No

☐ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

6.4.1 What energy efficient equipment or practices do you have planned for the future for your pump/lift stations?

No plans at this time.

7. Treatment Facility

7.1 Energy Usage

7.1.1 Enter the monthly energy usage from the different energy sources:

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	125,200	26.03	4,810	85.75	1,460	3,823
February	110,800	23.76	4,663	77.50	1,430	2,466
March	113,360	46.48	2,439	116.50	973	1,356
April	123,920	67.34	1,840	206.31	601	1,648
May	99,840	38.34	2,604	84.63	1,180	678
June	101,760	43.13	2,359	109.29	931	554
July	102,080	35.38	2,885	81.56	1,252	376
August	94,480	35.31	2,676	76.85	1,229	314
September	109,280	41.84	2,612	115.32	948	500
October	94	28.53	3	67.08	1	701
November	103,360	37.77	2,737	88.14	1,173	2,924
December	103,360	39.28	2,631	96.41	1,072	2,924
Total	1,187,534	463.19		1,205.34		18,264
Average	98,961	38.60	2,688	100.45	1,021	1,522

7.1.2 Comments:

7.2 Energy Related Processes and Equipment

7.2.1 Indicate equipment and practices utilized at your treatment facility (Check all that apply):

- ☐ Aerobic Digestion
- ☒ Anaerobic Digestion
- ☐ Biological Phosphorus Removal
- ☐ Coarse Bubble Diffusers
- ☒ Dissolved O2 Monitoring and Aeration Control
- ☐ Effluent Pumping
- ☒ Fine Bubble Diffusers
- ☒ Influent Pumping
- ☐ Mechanical Sludge Processing
- ☒ Nitrification
- ☒ SCADA System
- ☐ UV Disinfection
- ☒ Variable Speed Drives
- ☐ Other:

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7.2.2 Comments:

7.3 Future Energy Related Equipment

7.3.1 What energy efficient equipment or practices do you have planned for the future for your treatment facility?

Addressing with Facility Upgrade.

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

If Yes, how is the biogas used (Check all that apply):

☒ Flared Off

☒ Building Heat

☒ Process Heat

☐ Generate Electricity

☐ Other:

9. Energy Efficiency Study

9.1 Has an Energy Study been performed for your treatment facility?

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Describe and Comment:

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Total Points Generated	
Score (100 - Total Points Generated)	
Section Grade	

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Sanitary Sewer Collection Systems

1. Capacity, Management, Operation, and Maintenance (CMOM) Program

1.1 Do you have a CMOM program that is being implemented?

☒ Yes

☐ No

If No, explain:

1.2 Do you have a CMOM program that contains all the applicable components and items according to Wisc. Adm Code NR 210.23 (4)?

☒ Yes

☐ No (30 points)

☐ N/A

If No or N/A, explain:

1.3 Does your CMOM program contain the following components and items? (check the components and items that apply)

☒ Goals [NR 210.23 (4)(a)]

Describe the major goals you had for your collection system last year:

Cleaning and Televising Sewer Lines, Manhole and Lateral Inspections to find any leaks.

Did you accomplish them?

☒ Yes

☐ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)] ☐

Does this chapter of your CMOM include:

☒ Organizational structure and positions (eg. organizational chart and position descriptions)

☒ Internal and external lines of communication responsibilities

☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

What is the legally binding document that regulates the use of your sewer system?

Sewer Use Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 2017-05-09

Does your sewer use ordinance or other legally binding document address the following:

☒ Private property inflow and infiltration

☒ New sewer and building sewer design, construction, installation, testing and inspection

☒ Rehabilitated sewer and lift station installation, testing and inspection

☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary

☒ Fat, oil and grease control

☒ Enforcement procedures for sewer use non-compliance

☒ Operation and Maintenance [NR 210.23 (4) (d)]

Does your operation and maintenance program and equipment include the following:

☒ Equipment and replacement part inventories

☒ Up-to-date sewer system map

☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation

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- ☒ A description of routine operation and maintenance activities (see question 2 below)
- ☒ Capacity assessment program
- ☒ Basement back assessment and correction
- ☒ Regular O&M training

- ☒ Design and Performance Provisions [NR 210.23 (4) (e)] ☐ ☐

What standards and procedures are established for the design, construction, and inspection of the sewer collection system, including building sewers and interceptor sewers on private property?

- ☒ State Plumbing Code, DNR NR 110 Standards and/or local Municipal Code Requirements
- ☒ Construction, Inspection, and Testing
- ☐ Others:

- ☒ Overflow Emergency Response Plan [NR 210.23 (4) (f)] ☐ ☐

Does your emergency response capability include:

- ☒ Responsible personnel communication procedures
- ☒ Response order, timing and clean-up
- ☒ Public notification protocols
- ☒ Training
- ☒ Emergency operation protocols and implementation procedures

- ☒ Annual Self-Auditing of your CMOM Program [NR 210.23 (5)] ☐ ☐

- ☐ Special Studies Last Year (check only those that apply):

- ☐ Infiltration/Inflow (I/I) Analysis
- ☐ Sewer System Evaluation Survey (SSES)
- ☐ Sewer Evaluation and Capacity Management Plan (SECAP)
- ☐ Lift Station Evaluation Report
- ☐ Others:

0

2. Operation and Maintenance

2.1 Did your sanitary sewer collection system maintenance program include the following maintenance activities? Complete all that apply and indicate the amount maintained.

Cleaning	4.7	% of system/year
Root removal	0	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	22	% of system/year
Manhole inspections	18.5	% of system/year
Lift station O&M	2	# per L.S./year
Manhole rehabilitation	.5	% of manholes rehabbed
Mainline rehabilitation	0	% of sewer lines rehabbed
Private sewer inspections	10.1	% of system/year
Private sewer I/I removal	.1	% of private services

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River or water crossings % of pipe crossings evaluated or maintained

Please include additional comments about your sanitary sewer collection system below:

3. Performance Indicators

3.1 Provide the following collection system and flow information for the past year.

33.28	Total actual amount of precipitation last year in inches
34.3	Annual average precipitation (for your location)
42.5	Miles of sanitary sewer
1	Number of lift stations
0	Number of lift station failures
0	Number of sewer pipe failures
0	Number of basement backup occurrences
0	Number of complaints
1.26	Average daily flow in MGD (if available)
2.51	Peak monthly flow in MGD (if available)
	Peak hourly flow in MGD (if available)

3.2 Performance ratios for the past year:

0.00	Lift station failures (failures/year)
0.00	Sewer pipe failures (pipe failures/sewer mile/yr)
0.00	Sanitary sewer overflows (number/sewer mile/yr)
0.00	Basement backups (number/sewer mile)
0.00	Complaints (number/sewer mile)
2.0	Peaking factor ratio (Peak Monthly:Annual Daily Avg)
0.0	Peaking factor ratio (Peak Hourly:Annual Daily Avg)

4. Overflows

LIST OF SANITARY SEWER (SSO) AND TREATMENT FACILITY (TFO) OVERFLOWS REPORTED **

Date	Location	Cause	Estimated Volume
None reported			

** If there were any SSOs or TFOs that are not listed above, please contact the DNR and stop work on this section until corrected.

5. Infiltration / Inflow (I/I)

5.1 Was infiltration/inflow (I/I) significant in your community last year?

☐ Yes

☒ No

If Yes, please describe:

5.2 Has infiltration/inflow and resultant high flows affected performance or created problems in your collection system, lift stations, or treatment plant at any time in the past year?

☐ Yes

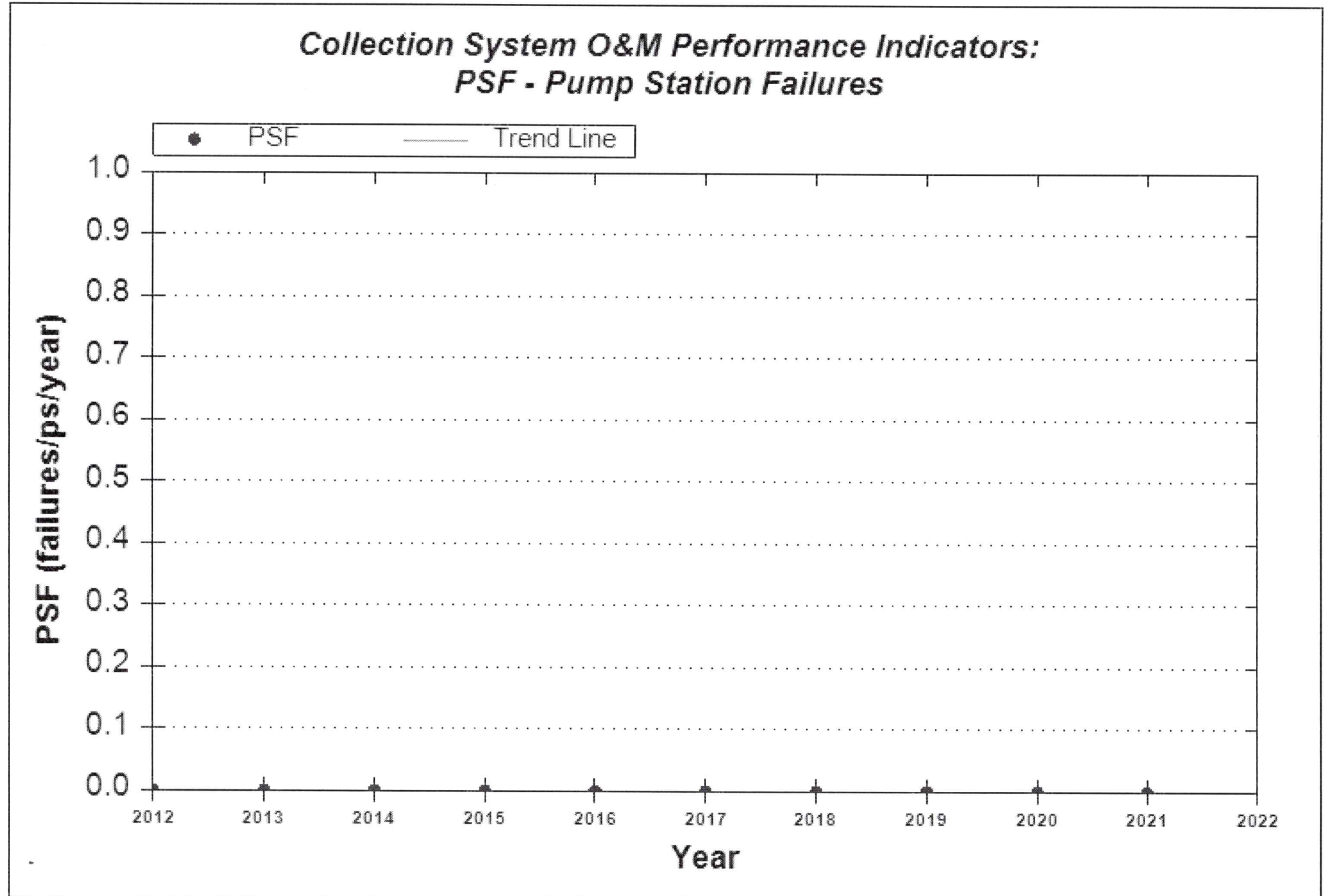
☒ No

If Yes, please describe:

Jackson (Village) Wastewater Treatment Plant

Linear equation uses 2012 - 2022 CMAR data

for Trend Line: PSF: $y = 0x + 0$

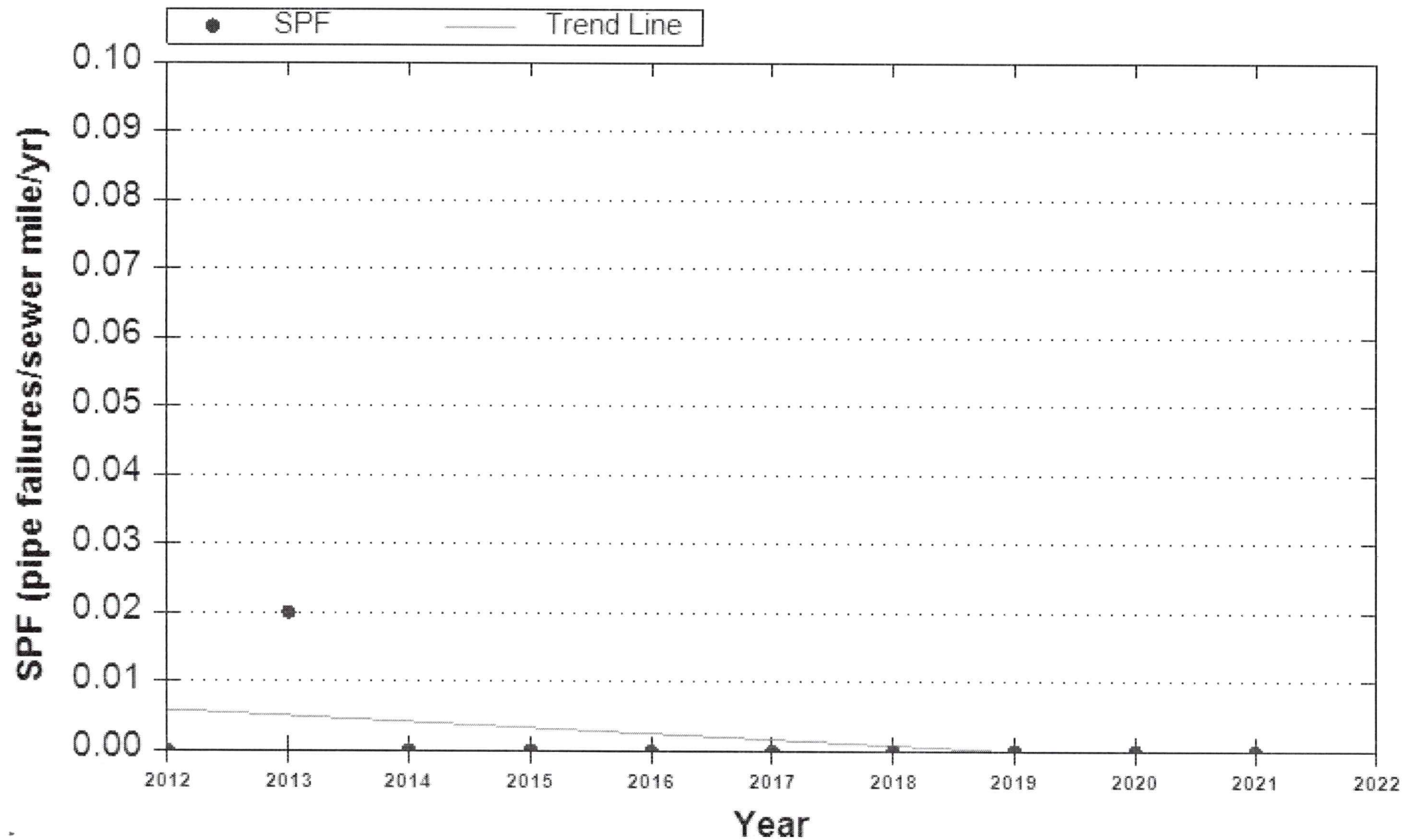


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Linear equation uses 2012 - 2022 CMAR data

for Trend Line: SPF: $y = -0.000848x + 0.01$

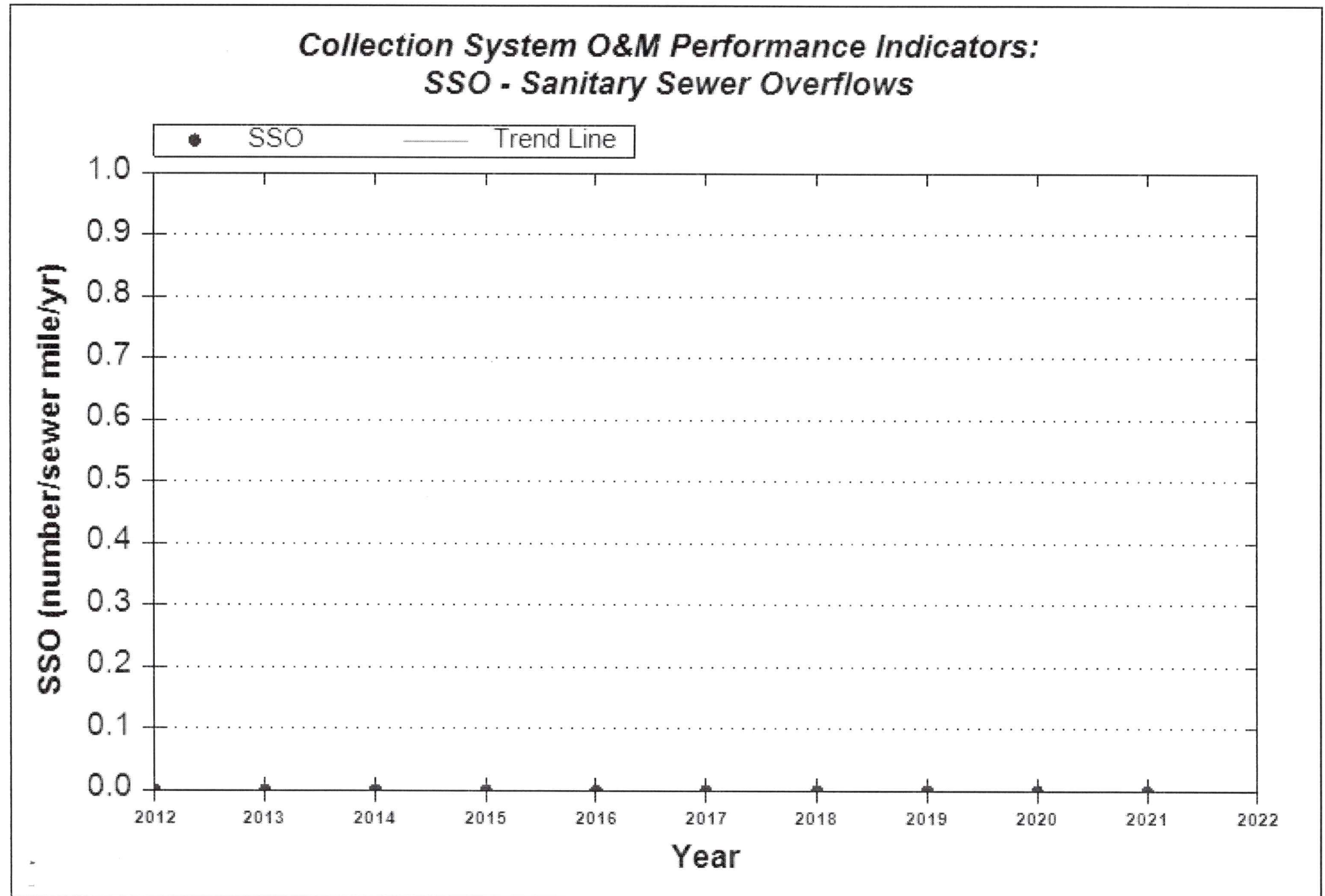
Collection System O&M Performance Indicators: SPF - Sewer Pipe Failures



Jackson (Village) Wastewater Treatment Plant

Linear equation uses 2012 - 2022 CMAR data

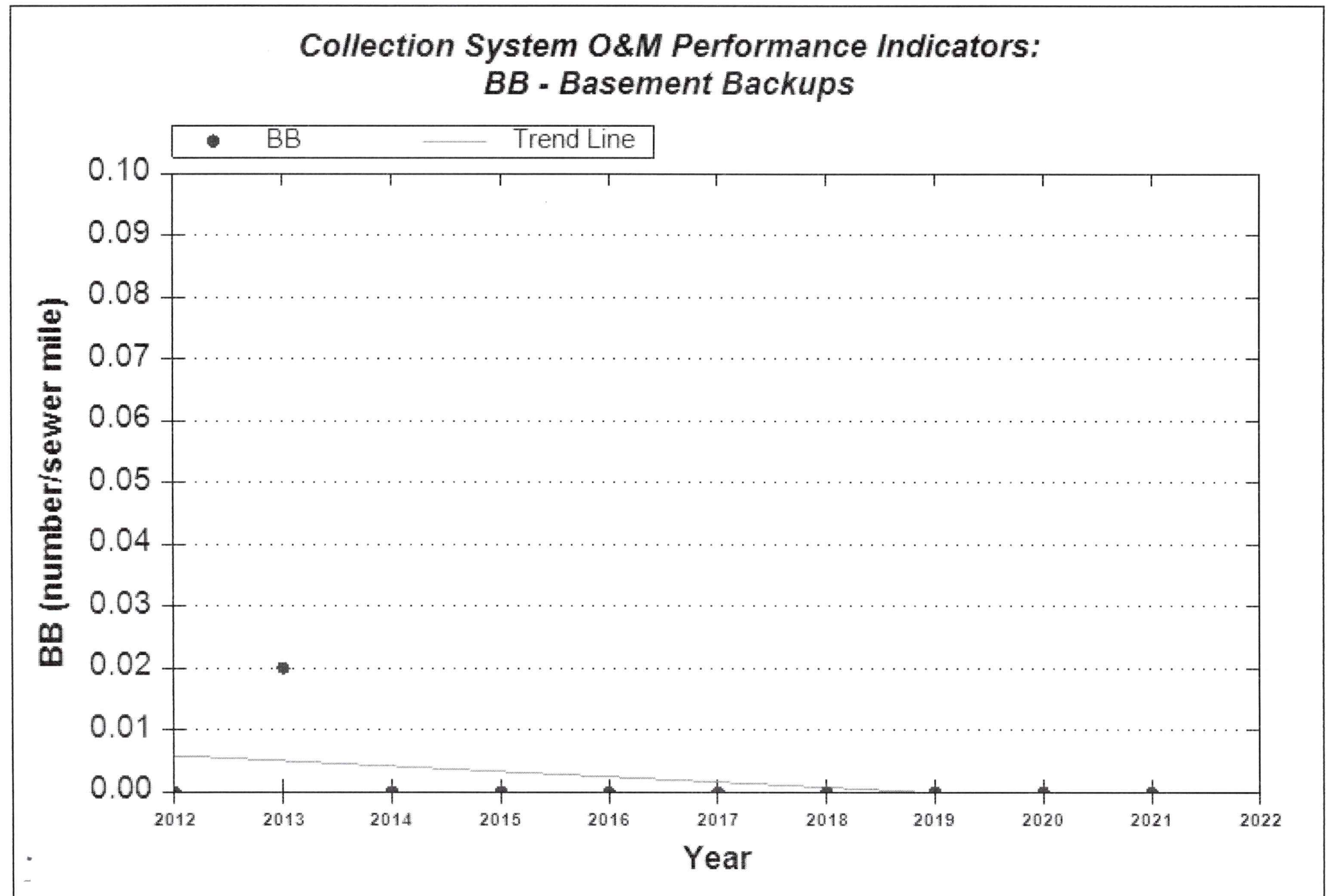
for Trend Line: SSO: $y = 0x + 0$



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Linear equation uses 2012 - 2022 CMAR data

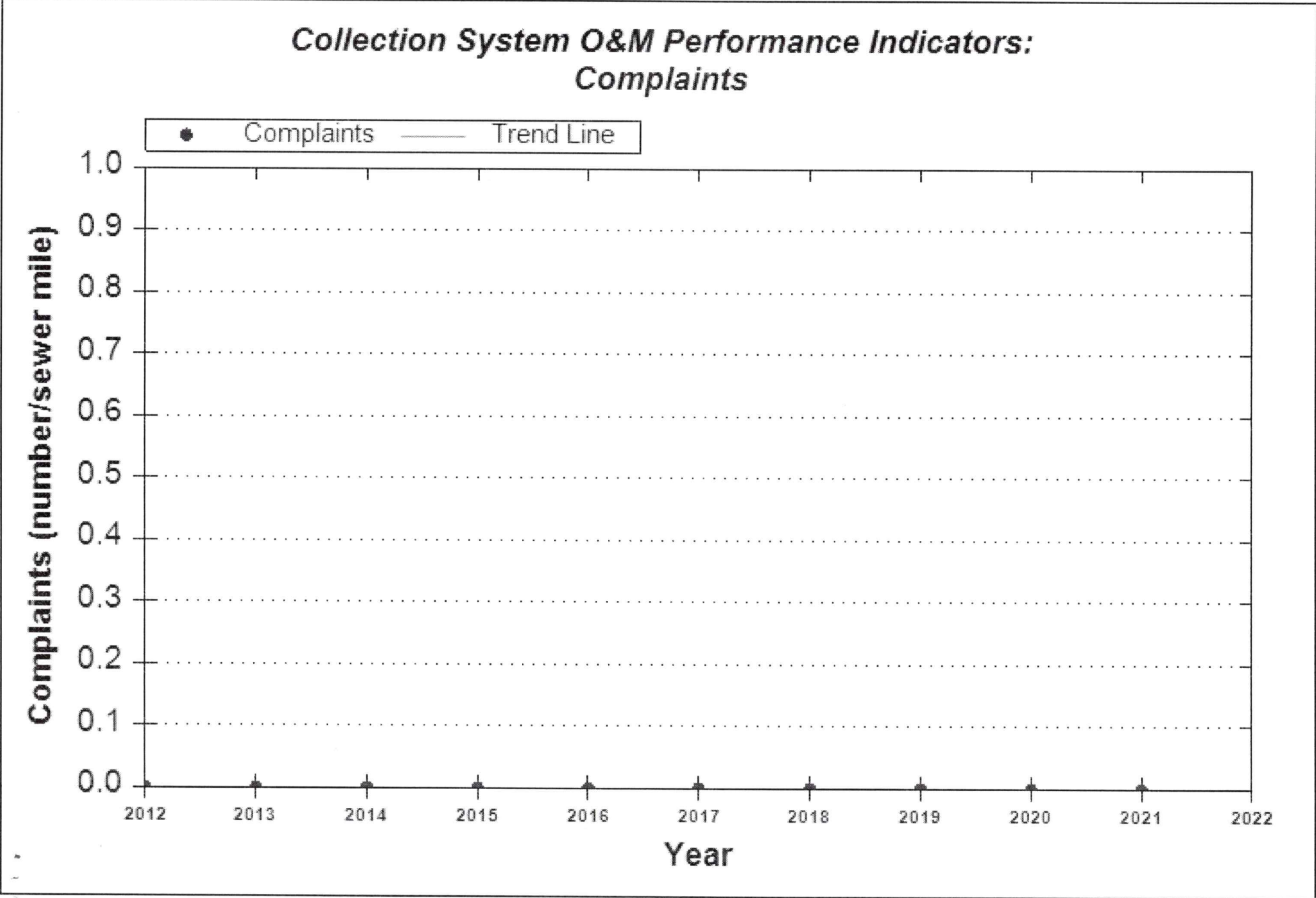
for Trend Line: BB: $y = -0.000848x + 0.01$



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Linear equation uses 2012 - 2022 CMAR data

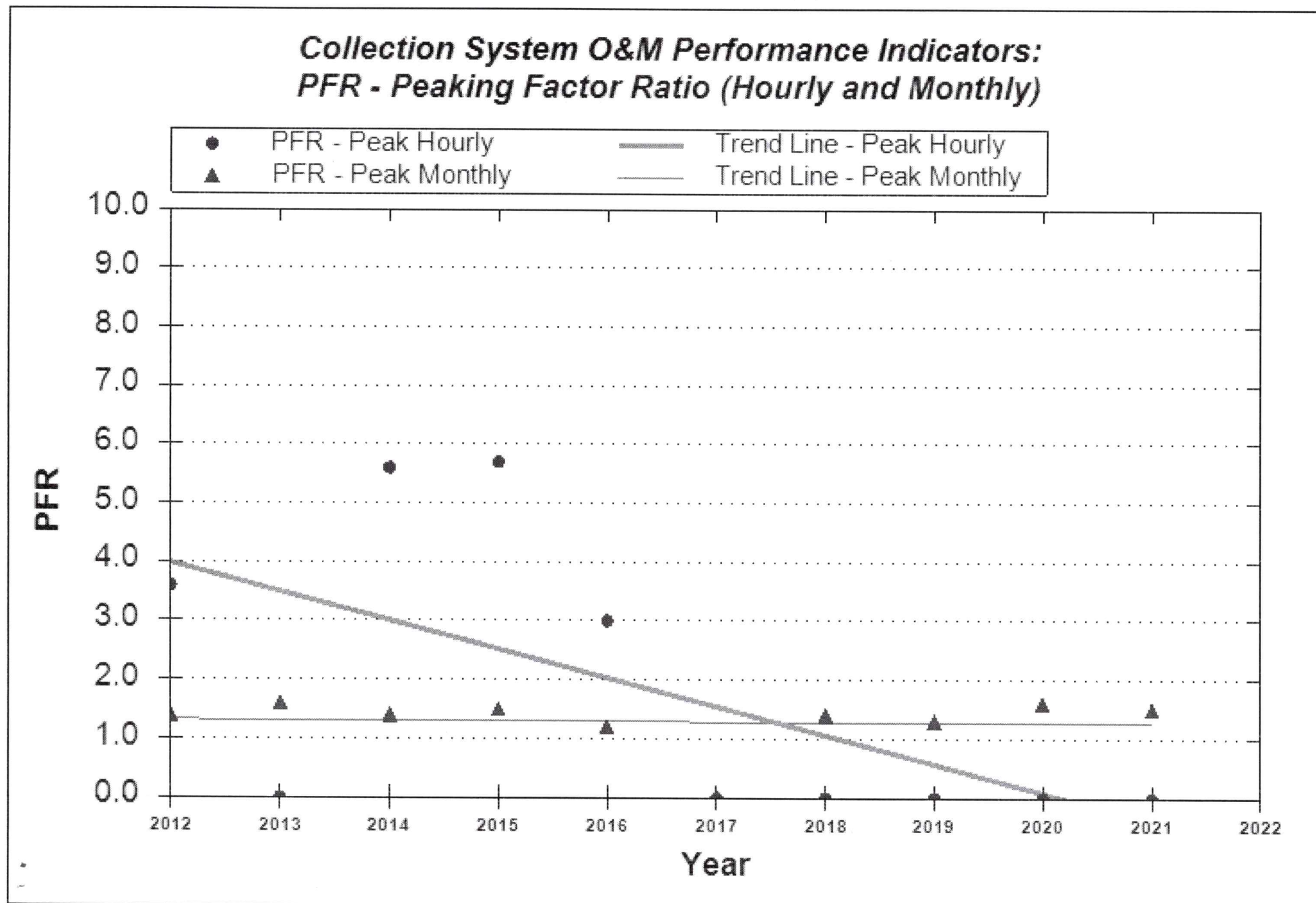
for Trend Line: Complaints: $y = 0x + 0$



Jackson (Village) Wastewater Treatment Plant

Linear equations use 2012 - 2022 CMAR data

for Trend Lines: PFR - Peak Hourly: $y = -0.488000x + 3.99$ PFR - Peak Monthly: $y = -0.006681x + 1.32$



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5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:	
None	
5.4 What is being done to address infiltration/inflow in your collection system?	
As we find Infiltration/Inflow, We replace or grout the leaking component.	

Total Points Generated	-
Score (100 - Total Points Generated)	-
Section Grade	-

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Grading Summary

WPDES No: 0021806

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	F	0	3	0
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			37	136
GRADE POINT AVERAGE (GPA) = 3.68				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Jackson

Date of Resolution or
Action Taken:

2023-08-08

Resolution Number:

23-17

Date of Submittal:

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO SPECIFIC CMAR SECTIONS (Optional for grade A or B. Required for grade C, D, or F):

Influent Flow and Loadings: Grade = F

The Jackson Sewer utility will consider a more comprehensive I/I plan once they complete the current sanitary sewer replacement project (2023) and the repairs identified as part of the interceptor televising. The Jackson Sewer Utility has seen a decrease in I/I to date with the completion of some of these repairs and replacement of almost 2 miles of pipe and laterals as part of the Main Street project.

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A

(Regardless of grade, response required for Collection Systems if SSOs were reported)

ACTIONS SET FORTH BY THE GOVERNING BODY OR OWNER RELATING TO THE OVERALL GRADE POINT AVERAGE AND ANY GENERAL COMMENTS

(Optional for G.P.A. greater than or equal to 3.00, required for G.P.A. less than 3.00)

G.P.A. = 3.68



Taking the lead in Washington County.

Assessment Report for STH 60 Utility Upgrades Reconstruction Project from CTH P to Ridgeway Drive 2023

Attached is the following information regarding the STH 60 Utility Upgrades Reconstruction Project from CTH P to Ridgeway Drive 2023:

1. Plans and Specifications used to bid the project and construct.
2. The cost of the project was \$2,714,606.65, the base bid was \$2,713,433.75 and the amount being special assessed for the project is \$258,158.00. The Engineer's Estimate amount was \$2,011,642.00 of the project.
3. Schedule of the proposed assessment.

Staff takes the position that the schedule of proposed assessment is a fair and equitable allocation of cost and that each property list in the report is benefiting. All other properties have been reviewed and the allocation has been deemed fair and benefiting. The project consisted of the following items:

Replacement of existing sanitary sewer and laterals
Replacement of existing water main and service in Jackson Drive
Resurface roadway where utility was installed

The Village Board has approved to special assess properties along Main Street & Jackson Drive, which benefited from the project. The Village along with the Jackson Sewer and Water Utilities will be paying for the majority of the project, although, the Village has determined the following parts of the project will be assessed to the benefiting properties: **Sanitary Lateral, and new water services.**

This report was compiled by Brian W. Kober, P.E., Village Engineer.

Date: July 20, 2023

W194N16660
Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

Mailing Address:

www.villageofjackson.com

First Name	Last Name	Company Name	City	State	ZIP Code	Email Address or Phone Number	Physical Address	Mailing Address	Tax Key Number	Condition of Sanitary Lateral	Length of Sanitary Lateral (ft)	Length of Water Lateral (ft)	Pipe Bursting per foot Cost	Cost per Foot Water Lateral	Sanitary Lateral Assessment Cost	Water Lateral Assessment Cost	Total Assessment Cost
		SNH SE Tenant TRS, Inc	Spokane	WA	99210		N168 W2210-22022-22026 Main St	PO Box 2440	V3 008200A	Good Condition							
Don & Renee	Kaiser		Jackson	WI	53037		N168 W21966 Main Street	N168 W21966 Main Street	V3 0082	Good Condition							
		SWC Jackson Properties LLC	Grafton	WI	53024	262-305-1641	N168 W21962 Main Street	565 Cottonwood Lane	V3 0083	Call for Inspection							
John	Pribbernow		Jackson	WI	53037		N168 W21930 Main Street	N168 W21930 Main Street	V3 008100A	Good Condition							
		Jackson Bay Appartments	Spencer	IA	51301		N168 W21920 Main Street	PO Box 124	V3 0081	Good Condition							
Randy	Klockow		Jackson	WI	53037		N168 W21592 Main Street	N168 W21592 Main Street	V3 0077	Good Condition							
James	Francois		Jackson	WI	53037	262-305-0580	N168 W21570-80 Main Street	PO Box 610	V3 0076	need to clean out							
Jeff & Casey	Latz		Jackson	WI	53037		N168 W21190-98 Main Street	PO Box 471	V3 0069	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Casey	Latz		Jackson	WI	53037			PO Box 471	V3 0068	Requested H2O/Sewer at lot line		40				\$4,750.00	\$4,750.00
Steve & Lori Jo	Kaczmarek		Jackson	WI	53037	141-339-9237	N168 W21172 Main Street	N168 W21172 Main Street	V3 0067	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
	IBF Properties LLC	Walgreens	Addison	WI	75001	414-813-6539	N168 W21330 Main Street	15305 Dallas Pkwy Ste 300	V3 007400B	Lateral off Industrial Drive							\$0.00
Eric	Haver		Jackson	WI	53037		N168 W21152 Main Street	N168 W21152 Main Street	V3 0066	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
Richard	Smith		Jackson	WI	53037		N168 W21134 Main Street	N168 W21134 Main Street	V3 0065	Good Condition							\$0.00
Deanna	Smith		Jackson	WI	53037		N168 W21084 Main Street	N168 W21084 Main Street	V3 006400H	Required Replacement	18		\$139.00		\$2,502.00		\$2,502.00
Donna	Spaeth		Jackson	WI	53037		N168 W21058 Main Street	N168 W21058 Main Street	V3 006400M	Good Condition							\$0.00
Sue	Rank		Jackson	WI	53037		N168 W21028 Main Street	N168 W21028 Main Street	V3 0063	Good Condition							\$0.00
Kelly James	Craig Kopacka		Jackson	WI	53037		N168 W21004 Main Street	N168 W21004 Main Street	V3 0062	Required Replacement	21		\$139.00		\$2,919.00		\$2,919.00
Lynn	Burke		Manitowoc	WI	53037		N168 W20978-80 Main Street	1414 S. 32nd Street	V3 0061	Required Repalcement	17		\$139.00		\$2,363.00		\$2,363.00
Justin	Zunker		Jackson	WI	53037		N168 W20960-64 Main Street	PO Box 123	V3 006000A	Required Replacement	6		\$139.00		\$834.00		\$834.00
Eddie	Padilla	319-538-2081	Jackson	WI	53037	ejprios12@gmail.com	N168 W20940 Main Street	N168 W20940 Main Street	V3 006000B	Required Replacement	9		\$139.00		\$1,251.00		\$1,251.00
Jack & Linda	Moss		Germantown	WI	53022		N168 W20920 Main Street	N106 W16603 Old Farm Road	V3 0059	Good Condition							\$0.00
		Meffert Main St LLC	Jackson	WI	53037		N168 W20900 Main Street	PO Box 624	V3 0058	Good Condition							\$0.00
Brian	Mayer		Jackson	WI	53037	262-677-3244	N168 W20890-92 Main Street	PO Box 319	V3 0057	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Gerald	Boldt		Jackson	WI	53037		N168 W20868-70 Main Street	N168 W20868 Main Street	V3 0055	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
Robert & Kathleen	Frank		Jackson	WI	53037		N168 W20864 Main Street	N168 W20864 Main Street	V3 0054	Required Replacement	6		\$139.00		\$834.00		\$834.00
Robert	Adams		Oshkosh	WI	54904		N168 W20828 Main Street	1390 Maricopa Dr APT E	V3 0053	Required Replacement	7		\$139.00		\$973.00		\$973.00
Larry	Hamlin	Jackson Motel	Jackson	WI	53037		W208 N16831 N. Center Street	N165 W19955 Hickory Lane	V3 0052	Lateral off Center Street							\$0.00
Martha	Nimkie	Latest Edition	Jackson	WI	53037		N168 W20788 Main Street	N168 W20788 Main Street	V3 004000A	Lateral off Center Street							\$0.00
Ryan	Ganshow		Jackson	WI	53037		N168 W20716 Main Street	N168 W20716 Main Street	V3 0038	Required Replacement	5		\$139.00		\$695.00		\$695.00
Thomas	Simonsen		Jackson	WI	53037		N168 W20702 Main Street	N168 W20702 Main Street	V3 0037	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Walter	Miller Family		Cedarburg	WI	53012		N168 W20686 Main Street	3870 Country Aire Dr	V3 0036	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Walter	Miller Family	Miller Monument	Jackson	WI	53037		N168 W20666 Main Street	PO Box 411	V3 0035	Good Condition							\$0.00
William	Gilbert	Jackson Truck Body	Jackson	WI	53037		N168 W20640 Main Street	N168 W20640 Main Street	V3 0034	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
William	Gilbert		Jackson	WI	53037		N168 W20626 Main Street	N168 W20640 Main Street	V3 0033	Good Condition							\$0.00
Everett & Kathryn	Russell		Cedarburg	WI	53012	414-339-7219	N168 W20610 Main Street	3469 Country Aire Drive	V3 0032	Required Replacement(Trap)	12		\$139.00		\$1,668.00		\$1,668.00
Jon	Zandi	Jackson Pub	Jackson	WI	53037		N168 W20594 Main Street	3207 Division Road	V3 0031	Required Replacement (Trap)	45		\$139.00		\$6,255.00		\$6,255.00
		Ace TT LLC	Jackson	WI	53037		N168 W20580 Main Street	N168 W20580 Main Street	V3 0030	Required Replacement	45		\$139.00		\$6,255.00		\$6,255.00
		Town & Country Dental	Jackson	WI	53037	262-677-2224	N168 W20566 Main Street	N168 W20566 Main Street	V3 0029	need a cleanout or Manhole	0		\$139.00		\$0.00		\$0.00
Curtis & Sharon	Chybowski		Menomonee Falls	WI	53051		N168 W20540-42 Main Street	N64 W15880 Wildflower Dr	V3 0028	Required Replacement(Trap)	0		\$139.00		\$0.00		\$0.00
Vicki	Bussalachi	VAAB Real Estate	Germantown	WI	53022	414-810-9877	N168 W20532 Main Street	PO Box 696	V3 0027	Lateral Fixed to Property Line							\$0.00
Michael & Joanne	Miller		Jackson	WI	53037		N168 W20516 Main Street	N168 W20516 Main Street	V3 0026	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Patricia	Herbst		West Bend	WI	53095	262-347-8810	N168 W20498 Main Street	2472 Pleasant Valley Road	V3 0025	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Patricia	Herbst		West Bend	WI	53095		N168 W20488 Main Street	2472 Pleasant Valley Road	V3 0024	Required Replacement	10		\$139.00		\$1,390.00		\$1,390.00
Sandra	Rindt		Jackson	WI	53037	262-343-4152	N168 W20472 Main Street	2406 Sherman Road	V3 0023	Required Replacement (sump pump)	35		\$139.00		\$4,865.00		\$4,865.00
David	Ernster	Links tap	Mequon	WI	53092	414-750-3451	N168 W20448 Main Street	4030 W. Freistadt Road	V3 0022	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Rebecca	Unger		Jackson	WI	53037		N168 W20420 Main Street	N168 W20420 Main Street	V3 0020	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
		West Bend School District	Jackson	WI	53037		W204 N16850 Jackson Drive	W204 N16850 Jackson Drive	V3 0001	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Terrence	Loomis		Jackson	WI	53037		N168 W20324 Main Street	N168 W20324 Main Street	V3 0002	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Mark	Kohlwey	Silver Fox Holdings LLC	Cedarburg	WI	53012		N168 W20284-88 Main Street	1963 Belmont Drive	V3 0003	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Timothy	Loepfe		Jackson	WI	53037		N168 W20270 Main Street	N168 W20270 Main Street	V3 0004	Good Condition							\$0.00

verify storm lateral needed

Kathleen	Markland		Jackson	WI	53037		N168 W20240 Main Street	PO Box 259	V3 0005	Required Replacement	40		\$139.00		\$5,560.00		\$5,560.00
Tammy	Alberts		Jackson	WI	53037		N168 W20210 Main Street	N168 W20210 Main Street	V3 0006	Good Condition							\$0.00
		EV Christ Lutheran Church	Jackson	WI	53037		N168 W20152 Main Street	N168 W20160 Main Street	V3 000700F	Required Replacement	40		\$139.00		\$5,560.00		\$5,560.00
		EV Christ Lutheran Church	Jackson	WI	53037		N168 W20160 Main Street	N168 W20160 Main Street	V3 000700G	Required Replacement	60		\$139.00		\$8,340.00		\$8,340.00
		Jackson Family Dentistry	Jackson	WI	53037	262-206-7036	N168 W20060 Main Street	N168 W20060 Main Street	V3 000800A	Good Condition	0		\$139.00		\$0.00		\$0.00
Dale	Beckwith		Jackson	WI	53037		N168 W19978 Main Street	N168 W19978 Main Street	V3 001400B	Good Condition							\$0.00
Wilmer	Ehlke		Jackson	WI	53037		N168 W19950 Main Street	N168 W19950 Main Street	V3 047400D	New H2O/Sewer Lateral	60	70	\$139.00	\$150.00	\$8,340.00	\$10,500.00	\$18,840.00
Daniel & Sonya	Delcamp		Jackson	WI	53037		N168 W19900 Main Street	N168 W19900 Main Street	V3 047400C	New H2O/Sewer Lateral	60	70	\$139.00	\$150.00	\$8,340.00	\$10,500.00	\$18,840.00
Mary Elen	Meyer		Jackson	WI	53037		N168 W21873 Main Street	PO Box 113	V3 051500A	No Inspection Required							\$0.00
QPID LLC			Kewaskum	WI	53040		N168 W21991 Main Street	118 CTY HWY H	V3 051600A001	Not needed at this time							\$0.00
Karla	Butz Bublitz		West Bend	WI	53095		N168 W21971 Main Street	700 W. Washington Street	V3 051600B003	Not needed at this time							\$0.00
J & K Butz LLC			West Bend	WI	53095		N168 W21961 Main Street	1120 W Decorah Road	V3 051600B004	Not needed at this time							\$0.00
J & K Butz LLC			West Bend	WI	53095		N168 W21951 Main Street	1120 W. Decorah Road	V3 051600B005	Not needed at this time							\$0.00
Hua & Moy Chou	Huang		Milwaukee	WI	53222		N168 W21941 Main Street	9342 Melvina Street	V3 051600B006	Not needed at this time							\$0.00
West Bend Savings			West Bend	WI	53095		N168 W21931 Main Street	200 S. Main Street	V3 051600B007	Not needed at this time							\$0.00
West Bend Savings			West Bend	WI	53095		N168 W21921 Main Street	200 S. Main Street	V3 051600C001	Good Condition							\$0.00
Michele	Bogner	Kerry Foods Inc	Jackson	WI	53037		N168 W21455 Main Street	N168 W21455 Main Street	V3 0174	Good Condition							\$0.00
	Dahlberg	DLG Properties LLC	Jackson	WI	53037		N168 W21367 Main Street	N168 W21367 Main Street	V3 017300A	Good Condition							\$0.00
John	Kruepke	J & M Village Properties II LLC	Jackson	WI	53037		W213 N16770 Glen Brooke Dr	N166 W21060 Parkway Dr	V3 017200C	Good Condition							\$0.00
James	Berndt		Jackson	WI	53037		N168 W21209 Main Street	N168 W21209 Main Street	V3 0159	Good Condition	0		\$139.00		\$0.00		\$0.00
Michael & Jessica	Walczak		Jackson	WI	53037		N168 W21189 Main Street	N168 W21189 Main Street	V3 0158	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Michael & Jessica	Walczak		Jackson	WI	53037		Vacant Lot	N168 W21189 Main Street	V3 0157	No lateral installed							\$0.00
David	Proksch		Jackson	WI	53037		N168 W21169 Main Street	N168 W21169 Main Street	V3 0156	Good Condition							\$0.00
	K & E Properties of Jackson 2 LLC		Cedarburg	WI	53012		N168 W21147 Main Street	3469 Country Aire Drive	V3 0155	Required Replacement	45		\$139.00		\$6,255.00		\$6,255.00
Jacob & Katherine	Ladson		Jackson	WI	53037		N168 W21127 main Street	N168 W21127 Main Street	V3 0154	Required Replacement	40		\$139.00		\$5,560.00		\$5,560.00
Gary & Penny	Boser		Jackson	WI	53037		N168 W21109 Main Street	N168 W21109 Main Street	V3 0153	Good Condition							\$0.00
Paul & Carol	Purgett		Jackson	WI	53037		N168 W21079 Main Street	N168 W21079 Main Street	V3 0152	No Access,(Trap in basement)	30		\$139.00		\$4,170.00		\$4,170.00
Yolanda	Bender		Jackson	WI	53037		N168 W21041 Main Street	N168 W21041 Main Street	V3 0150	Required Replacement	22		\$139.00		\$3,058.00		\$3,058.00
Alexander	Zabrowski		Jackson	WI	53037		N168 W21011 Main Street	N168 W21011 Main Street	V3 0149	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Carl Nelson	Tammy Villwock		Jackson	WI	53037		N168 W20981 Main Street	N168 W20981 Main Street	V3 0148	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Mark	David		Slinger	WI	53086		N168 W20955-59 Main Street	341 Winter Lane	V3 0147	Good Condition							\$0.00
Shari	Scott		Jackson	WI	53037		N168 W20933 Main Street	N168 W20933 Main Street	V3 0146	Replacement (sump pump in sewer)	25		\$139.00		\$3,475.00		\$3,475.00
Jason	Taylor		Jackson	WI	53037		N168 W20907 Main Street	N168 W20907 Main Street	V3 0145	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Darleen	Brown-Wanta		Jackson	WI	53037		N168 W20883-87 Main Street	N168 W20883 Main Street	V3 0144	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Kerry	Bechtel		Hubertus	WI	53033		N168 W20861-63 Main Street	1159 W. Winnebago Road	V3 0143	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
		VJM North Properties	Elm Grove	WI	53122		N168 W20839 Main Street	925 Elm Grove #303	V3 0142	Required Replacement	22		\$139.00		\$3,058.00		\$3,058.00
Tim	Holtz		West Bend	WI	53095		N168 W20827 Main Street	1201 W. Decorah Road	V3 0141	Sewer line to hwy 60(Trap)	5		\$139.00		\$695.00		\$695.00
Mark & Nora	Szolwinski	Hoge Gumm Building	Campbellsport	WI	53010		N168 W20823 Main Street	N1661 Lakeshore Drive	V3 012400Z	Required Replacement	10		\$139.00		\$1,390.00		\$1,390.00
Wally & Renee	Miller	Old Village Hall Building	Jackson	WI	53037		N168 W20733 Main Street	PO Box 411	V3 011400B	Good Condition							\$0.00
Henry & Sharon	Culp		Jackson	WI	53037		N168 W20609 Main Street	N168 W20609 Main Street	V3 0113	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Todd & Patricia	Backus		Cedarburg	WI	53012		N168 W20585-83-81 Main St	1370 Ponderosa Drive	V3 0112	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Michael	Frase		Jackson	WI	53037		N168 W20563 Main Street	N168 W20563 Main Street	V3 0111	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
		Jackson Auto Service	Jackson	WI	53037		W204 N16763 Jackson Drive	PO Box 534	V3 0101	Required Replacement	100		\$139.00		\$13,900.00		\$13,900.00
Shawn	Hoye		Jackson	WI	53037		N168 W20529 Main Street	N168 W20529 Main Street	V3 011000A	Required Replacement	18		\$139.00		\$2,502.00		\$2,502.00
Jason	Taylor	Vacant Lot	Jackson	WI	53037		N168 W20527 Main Street	N168 W20907 Main Street	V3 011000B	Required Replacement	Sewer Utility Cost						Bringing new sewer line to Property line
Dale	Liesener		Jackson	WI	53037		N168 W20497-99 Main Street	N168 W20499 Main Street	V3 0109	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Lisa	Janasik		Hartford	WI	53027		N168 W20477-79 Main Street	PO Box 270382	V3 0108	Required Replacement	8		\$139.00		\$1,112.00		\$1,112.00
Alexander & Jody	Simpson-Leonhardt		Jackson	WI	53037	262-623-2687	N168 W20459 Main Street	N168 W20459 Main Street	V3 0106	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Shanon	Kramer		Jackson	WI	53037		N168 W20435 Main Street	N168 W20435 Main Street	V3 010500B	Required Replacement	17		\$139.00		\$2,363.00		\$2,363.00
Brian & Dawn	Flowers		Jackson	WI	53037		N168 W20417 Main Street	PO Box 276	V3 010500C	Required Replacement	5		\$139.00		\$695.00		\$695.00
		Northwest Apartments LLC	Hubertus	WI	53033		N168 W20361 Main Street	PO Box 207	V3 0179	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Wendy	Kannenber	Jeff Gall 414-916-0964	Jackson	WI	53037	Jeff 414-916-0964	N168 W20347 Main Street	N168 W20347 Main Street	V3 0180	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Debra	Zeinert		Jackson	WI	53037		N168 W20333 Main Street	N168 W20333 Main Street	V3 0181	Good Condition							\$0.00
Lucas Weeson	Elizabeth Michaels		Jackson	WI	53037		N168 W20317 Main Street	N168 W20317 Main Street	V3 0182	Good Condition							\$0.00

verify storm lateral discharge

removing trap in building

Bringing new sewer line to Property line

yes

Separate lateral from N168 W20317 Main St

Project VOI 21-01
Coffee Connection Trail
Jackson Drive - Eagle Drive

Pay Request #5
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		
100-01	Removing Curb	LF	6	\$7.00	\$42.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%	
100-02	Removing Curb & Gutter	LF	960	\$5.00	\$4,800.00		\$0.00		\$0.00	20.00	\$100.00	192.40	\$962.00	77.00	\$385.00		\$1,447.00	30%	
100-03	Removing Concrete Sidewalk and Driveways	SY	1,205	\$5.00	\$6,025.00	13.34	\$66.70	28.43	\$142.15	22.89	\$114.45	156.91	\$784.55	248.00	\$1,240.00		\$2,347.85	39%	
100-04	Base Aggregate Dense 1 1/4-Inch	TON	1,875	\$15.80	\$29,625.00		\$0.00		\$0.00	26.70	\$421.86		\$0.00	1191.90	\$18,832.02		\$19,253.88	65%	
100-05	Base Aggregate Open-Graded	TON	1,130	\$23.00	\$25,990.00		\$0.00		\$0.00		\$0.00		\$0.00	590.77	\$13,587.71		\$13,587.71	52%	
100-06	Concrete Driveway 6-Inch	SY	505	\$75.65	\$38,203.25		\$0.00		\$0.00		\$0.00		\$0.00	289.01	\$21,863.61		\$21,863.61	57%	
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%	
100-08	Drilled Tie Bars	EACH	525	\$9.00	\$4,725.00		\$0.00		\$0.00		\$0.00		\$0.00	326.00	\$2,934.00		\$2,934.00	62%	
100-09	HMA Pavement 3 MT 58-28 S	TON	1,110	\$275.00	\$305,250.00		\$0.00		\$0.00		\$0.00	169.35	\$46,571.25	820.00	\$225,500.00		\$272,071.25	89%	
100-10	HMA Pavement 4 MT 58-28 S	TON	67	\$510.00	\$34,170.00		\$0.00		\$0.00		\$0.00		\$0.00	60.00	\$30,600.00		\$30,600.00	90%	
100-11	Asphaltic Surface	TON	17	\$510.00	\$8,670.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$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	45.00	\$22,950.00		\$22,950.00	90%	
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%	
100-14	Concrete Curb & Gutter 30-Inch Type D	LF	960	\$42.75	\$41,040.00		\$0.00		\$0.00		\$0.00		\$0.00	289.00	\$12,354.75		\$12,354.75	30%	
100-15	Concrete Sidewalk 5-Inch	SF	5,520	\$8.00	\$44,160.00		\$0.00		\$0.00		\$0.00		\$0.00	1690.55	\$13,524.40		\$13,524.40	31%	
100-16	Concrete Steps	SF	30	\$55.00	\$1,650.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00		\$0.00	0%	
100-17	Pipe Underdrain Wrapped 4-Inch	LF	200	\$55.00	\$11,000.00		\$0.00		\$0.00		\$0.00	81.00	\$4,455.00	19.00	\$1,045.00		\$5,500.00	50%	
100-18	Mobilization	EACH	1	\$35,000.00	\$35,000.00		\$0.00		\$0.00		\$0.00	0.75	\$26,250.00	0.25	\$8,750.00		\$35,000.00	100%	
100-19	Lawn Restoration	SY	900	\$10.00	\$9,000.00		\$0.00		\$0.00	86.04	\$860.40	1221.60	\$12,216.00		\$13,076.40		\$13,076.40	145%	
100-20	Inlet Protection Type C	EACH	35	\$55.00	\$1,925.00	12	\$660.00	20	\$1,100.00	10.00	\$550.00		\$0.00		\$0.00	42	\$2,310.00	120%	
100-21	Geotextile Type SAs	SY	945	\$2.50	\$2,362.50		\$0.00		\$0.00		\$0.00	66.33	\$165.83	29.33	\$73.33		\$239.15	10%	
100-22	Marking Line Paint 4-Inch	LF	6,405	\$1.35	\$8,646.75		\$0.00		\$0.00		\$0.00		\$0.00	6514.00	\$8,793.90		\$8,793.90	102%	
100-23	Marking Line Paint 8-Inch	LF	225	\$2.55	\$573.75		\$0.00		\$0.00		\$0.00		\$0.00	195.00	\$497.25		\$497.25	87%	
100-24	Marking Arrow Paint	EACH	5	\$95.00	\$475.00		\$0.00		\$0.00		\$0.00		\$0.00	5.00	\$475.00		\$475.00	100%	
100-25	Marking Word Paint	EACH	1	\$125.00	\$125.00		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$125.00		\$125.00	100%	
100-26	Marking Railroad Crossing Paint	EACH	2.0	\$450.00	\$900.00		\$0.00		\$0.00		\$0.00		\$0.00	2.00	\$900.00		\$900.00	100%	
100-27	Marking Stop Line Paint 18-Inch	LF	45	\$5.85	\$263.25		\$0.00		\$0.00		\$0.00		\$0.00	67.00	\$391.95		\$391.95	149%	
100-28	Marking Diagonal Paint 6-Inch	LF	6	\$2.25	\$13.50		\$0.00		\$0.00		\$0.00		\$0.00	20.00	\$45.00		\$45.00	333%	
100-29	Marking Crosswalk Paint Transverse Line 6-Inch	LF	205	\$2.25	\$461.25		\$0.00		\$0.00		\$0.00		\$0.00	51.235.25		\$51.235.25		\$51.235.25	268%
100-30	Marking Crosswalk Paint Block Style 24-Inch	LF	25	\$7.75	\$193.75		\$0.00		\$0.00		\$0.00		\$0.00	30.00	\$232.50		\$232.50	120%	
100-31	Conduit Loop Detector	LF	224	\$16.50	\$3,696.00		\$0.00		\$0.00		\$0.00		\$0.00	224.00	\$3,696.00		\$3,696.00	100%	
100-32	Loop Detector Wire	LF	800	\$2.35	\$1,880.00		\$0.00		\$0.00		\$0.00		\$0.00	800.00	\$1,880.00		\$1,880.00	100%	
100-33	Sawing Asphalt	LF	8,760	\$2.00	\$17,520.00	15	\$30.00	2274.10	\$4,548.20	3612.50	\$7,225.00	1213.50	\$2,427.00	79.40	\$158.80		\$14,389.00	82%	
100-34	Sawing Concrete	LF	2,625	\$3.00	\$7,875.00	25	\$75.00	72	\$216.00	71.00	\$213.00	295.50	\$886.50	218.60	\$655.80		\$2,046.30	26%	
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%	
100-36	Traffic Control and Detour	LS	1	\$25,000.00	\$25,000.00	0.25	\$6,250.00	0.25	\$6,250.00	0.25	\$6,250.00	0.25	\$6,250.00		\$0.00		\$25,000.00	100%	
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%	
200-01	Remove and Replace Sanitary Manhole Casting and Adjustment Rings	EACH	27	\$4,500.00	\$121,500.00		\$0.00	1	\$4,500.00		\$0.00	23.00	\$103,500.00	3.00	\$13,500.00		\$121,500.00	100%	
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%	
200-03	Connect to Existing Sanitary Sewer Main	EACH	3	\$2,000.00	\$6,000.00		\$0.00	2	\$4,000.00		\$0.00	2.00	\$4,000.00		\$0.00		\$8,000.00	133%	
200-04	Sanitary Sewer PVC 10-Inch, Granular Backfill	LF	232	\$200.00	\$46,400.00		\$0.00	70	\$14,000.00		\$0.00	201.00	\$40,200.00		\$0.00		\$54,200.00	117%	
200-05	Sanitary Sewer PVC 8-Inch, Slurry Backfill	LF	1,099	\$243.00	\$267,057.00		\$0.00	3	\$729.00	547.00	\$132,921.00	521.00	\$126,603.00		\$0.00		\$260,253.00	97%	
200-06	Sanitary Sewer PVC 10-Inch, Slurry Backfill	LF	39	\$300.00	\$11,700.00		\$0.00		\$0.00		\$0.00	61.00	\$18,300.00		\$0.00		\$18,300.00	156%	
200-07A	Sanitary Sewer PVC 12-Inch, Slurry Backfill	LF	1,402	\$325.00	\$455,650.00		\$0.00	166	\$53,950.00	1171.00	\$380,575.00		\$0.00		\$0.00		\$434,525.00	95%	
200-07B	Sanitary Sewer Lateral 6-Inch, Granular Backfill	LF	615	\$145.00	\$89,175.00		\$0.00	31	\$4,495.00	89.50	\$12,977.50	143.00	\$20,735.00		\$0.00		\$38,207.50	43%	
200-08	Sanitary Sewer Lateral 6-Inch, Slurry Backfill	LF	310	\$197.00	\$61,070.00		\$0.00	18	\$3,546.00	228.50	\$45,014.50	338.00	\$66,586.00		\$0.00		\$115,146.50	189%	
200-09	Sanitary Manholes 4-FT Diameter With Casting	EACH	10	\$6,500.00	\$65,000.00		\$0.00	1	\$6,500.00	5.00	\$32,500.00	3.00	\$19,500.00		\$0.00		\$58,500.00	90%	
200-10	Sanitary Outside Drop Manholes 4-FT Diameter With Casting	EACH	2	\$9,518.00	\$19,036.00		\$0.00		\$0.00	1.00	\$9,518.00	1.00	\$9,518.00		\$0.00		\$19,036.00	100%	
200-11	Abandon Sanitary Sewer - Jackson Drive	LS	1	\$1,500.00	\$1,500.00		\$0.00		\$0.00		\$0.00	1.00	\$1,500.00		\$0.00		\$1,500.00	100%	
200-12	Sanitary Sewer Lateral Pipe Bursting	LF	3,000	\$139.00	\$417,000.00		\$0.00		\$0.00	1966.00	\$273,274.00	2230.00	\$309,970.00		\$0.00		\$583,244.00	140%	
200-13	Furnish and Install 36" cleanout manhole with casting	EACH	1	\$3,645.00	\$3,645.00		\$0.00		\$0.00		\$0.00	1.00	\$3,645.00		\$0.00		\$3,645.00	100%	
200-14	Repair existing storm laterals not shown on plan	EACH	6	\$448.00	\$2,688.00		\$0.00		\$0.00	10.00	\$4,480.00	4.00	\$1,792.00		\$0.00		\$6,272.00	233%	
300-01	Removing Hydrant	EACH	2	\$1,100.00	\$2,200.00		\$0.00		\$0.00		\$0.00	2.00	\$2,200.00		\$0.00		\$2,200.00	100%	
300-02	Connect to Existing Water Valve	EACH	2	\$2,500.00	\$5,000.00		\$0.00		\$0.00		\$0.00	1.00	\$2,500.00		\$0.00		\$2,500.00	50%	
300-03	Connect to Existing Water Main Pipe	EACH	3	\$3,850.00	\$11,550.00		\$0.00		\$0.00		\$0.00	1.00	\$3,850.00	1.00	\$3,850.00		\$7,700.00	67%	
300-04	Remove and Replace Water Service Curb Box	EACH	100	\$2,800.00	\$280,000.00	41	\$114,800.00	23	\$64,400.00		\$0.00	17.00	\$47,600.00	4.00	\$11,200.00		\$238,000.00	85%	
300-05	Water Main PVC 6-Inch, Slurry Backfill	LF	45	\$315.00	\$14,175.00		\$0.00		\$0.00		\$0.00	13.00	\$4,095.00		\$0.00		\$4,095.00	29%	
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%	
300-07	Water Service Pipe 1 1/4-Inch, Granular Backfill	LF	168	\$150.00	\$25,200.00		\$0.00		\$0.00		\$0.00	20.00	\$3,000.00	88.00	\$13,200.00		\$16,200.00	64%	
300-08	Water Service Pipe 1 1/4-Inch, Slurry Backfill	LF	88	\$200.00	\$17,600.00		\$0.00		\$0.00	42.00	\$8,400.00	113.00	\$22,600.00		\$0.00		\$31,000.00	176%	
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	2.00	\$2,800.00	4.00	\$5,600.00		\$8,400.00	86%	
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%	
300-11	Water 45 Degree Bend 6-Inch	EACH	1	\$500.00	\$500.00		\$0.00		\$0.00		\$0.00	1.00	\$500.00		\$0.00		\$500.00	100%	
300-12	Water 90 Degree Bend 6-Inch	EACH	3	\$530.00	\$1,590.00		\$0.00		\$0.00		\$0.00	1.00	\$530.00		\$0.00		\$530.00	33%	
300-13	Hydrant	EACH	2.0	\$9,000.00	\$18,000.00		\$0.00		\$0.00		\$0.00	2.00	\$18,000.00		\$0.00		\$18,000.00	100%	
300-14	Temporary Blow Off 2-Inch	EACH	1	\$506.00	\$506.00		\$0.00		\$0.00		\$0.00		\$0.00	1.00	\$506.00		\$506.00	100%	
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	1.00	\$4,480.00		\$0.00		\$4,480.00	100%	
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	73.00	\$21,243.00	174.00	\$50,634.00		\$71,877.00	100%	
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	2.00	\$2,008.00		\$2,008.00	50%	
300-18	Water Cap 12-Inch	EACH	2	\$2,216.00	\$4,432.00		\$0.00		\$0.00		\$0.00		\$0.00	</					

First Name	Last Name	Company Name	City	State	ZIP Code	Email Address	Physical Address	Mailing Address	Phone Number	Tax Key Number	Condition of Sanitary Lateral	Length of Sanitary Lateral (ft)	Length of Water Lateral (ft)	Pipe Bursting per foot Cost	Cost per Foot Water Lateral	Sanitary Lateral Assessment Cost	Water Lateral Assessment Cost	Total Assessment Cost
		SNH SE Tenant TRS, Inc	Spokane	WA	99210		N168 W2210-22022-22026 Main	PO Box 2440		V3 008200A	Good Condition							
Don & Renee	Kaiser		Jackson	WI	53037		N168 W21966 Main Street	N168 W21966 Main Street		V3 0082	Good Condition							
		SWC Jackson Properties LLC	Grafton	WI	53024		N168 W21962 Main Street	565 Cottonwood Lane	262-305-1641	V3 0083	Call for Inspection							
John	Pribbernow		Jackson	WI	53037		N168 W21930 Main Street	N168 W21930 Main Street		V3 008100A	Good Condition							
		Jackson Bay Appartments	Spencer	IA	51301		N168 W21920 Main Street	PO Box 124		V3 0081	Good Condition							
Randy	Klockow		Jackson	WI	53037		N168 W21592 Main Street	N168 W21592 Main Street		V3 0077	Good Condition							
James	Francois		Jackson	WI	53037		N168 W21570-80 Main Street	PO Box 610	262-305-0580	V3 0076	need to clean out							
Jeff & Casey	Latz		Jackson	WI	53037		N168 W21190-98 Main Street	PO Box 471		V3 0069	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
Casey	Latz		Jackson	WI	53037			PO Box 471		V3 0068	Requested H2O/Sewer at lot line		40		\$150.00		\$4,750.00	\$4,750.00
Steve & Lori Jo	Kaczmarek		Jackson	WI	53037		N168 W21172 Main Street	N168 W21172 Main Street	414-339-9237	V3 0067	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
	IBF Properties LLC	Walgreens	Addison	WI	75001		N168 W21330 Main Street	15305 Dallas Pkwy Ste 300		V3 007400B	Lateral off Industrial Drive							\$0.00
Eric	Haver		Jackson	WI	53037		N168 W21152 Main Street	N168 W21152 Main Street		V3 0066	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
Richard	Smith		Jackson	WI	53037		N168 W21134 Main Street	N168 W21134 Main Street		V3 0065	Good Condition							\$0.00
Deanna	Smith		Jackson	WI	53037		N168 W21084 Main Street	N168 W21084 Main Street		V3 006400H	Required Replacement	18		\$139.00		\$2,502.00		\$2,502.00
Donna	Spaeth		Jackson	WI	53037		N168 W21058 Main Street	N168 W21058 Main Street		V3 006400M	Good Condition							\$0.00
Sue	Rank		Jackson	WI	53037		N168 W21028 Main Street	N168 W21028 Main Street		V3 0063	Good Condition							\$0.00
Kelly James	Craig Kopacka		Jackson	WI	53037		N168 W21004 Main Street	N168 W21004 Main Street		V3 0062	Required Replacement	21		\$139.00		\$2,919.00		\$2,919.00
Lynn	Burke		Manitowoc	WI	53037		N168 W20978-80 Main Street	1414 S. 32nd Street		V3 0061	Required Repalcement	17		\$139.00		\$2,363.00		\$2,363.00
Justin	Zunker		Jackson	WI	53037		N168 W20960-64 Main Street	PO Box 123		V3 006000A	Required Replacement	6		\$139.00		\$834.00		\$834.00
Meghan	Lambert		Jackson	WI	53037		N168 W20940 Main Street	N168 W20940 Main Street		V3 006000B	Required Replacement	9		\$139.00		\$1,251.00		\$1,251.00
Jack & Linda	Moss		Germantown	WI	53022		N168 W20920 Main Street	N106 W16603 Old Farm Road		V3 0059	Good Condition							\$0.00
		Meffert Main St LLC	Jackson	WI	53037		N168 W20900 Main Street	PO Box 624		V3 0058	Good Condition							\$0.00
Brian	Mayer		Jackson	WI	53037		N168 W20890-92 Main Street	PO Box 319		V3 0057	Good Condition							\$0.00
Gerald	Boldt		Jackson	WI	53037		N168 W20868-70 Main Street	N168 W20868 Main Street		V3 0055	Required Replacement	30		\$139.00		\$4,170.00		\$4,170.00
Robert & Kathleen	Frank		Jackson	WI	53037		N168 W20864 Main Street	N168 W20864 Main Street		V3 0054	Required Replacement	6		\$139.00		\$834.00		\$834.00
Robert	Adams		Oshkosh	WI	54904		N168 W20828 Main Street	1390 Maricopa Dr APT E		V3 0053	Required Replacement	7		\$139.00		\$973.00		\$973.00
Larry	Hamlin	Jackson Motel	Jackson	WI	53037		W208 N16831 N. Center Street	N165 W19955 Hickory Lane		V3 0052	Lateral off Center Street							\$0.00
Martha	Nimkie	Latest Edition	Jackson	WI	53037		N168 W20788 Main Street	N168 W20788 Main Street		V3 004000A	Lateral off Center Street							\$0.00
Ryan	Ganshow		Jackson	WI	53037		N168 W20716 Main Street	N168 W20716 Main Street		V3 0038	Required Replacement	5		\$139.00		\$695.00		\$695.00
Thomas	Simonsen		Jackson	WI	53037		N168 W20702 Main Street	N168 W20702 Main Street		V3 0037	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Walter	Miller Family		Cedarburg	WI	53012		N168 W20686 Main Street	3870 Country Aire Dr		V3 0036	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00
Walter	Miller Family	Miller Monument	Jackson	WI	53037		N168 W20666 Main Street	PO Box 411		V3 0035	Good Condition							\$0.00
William	Gilbert	Jackson Truck Body	Jackson	WI	53037		N168 W20640 Main Street	N168 W20640 Main Street		V3 0034	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
William	Gilbert		Jackson	WI	53037		N168 W20626 Main Street	N168 W20640 Main Street		V3 0033	Good Condition							\$0.00
Everett & Kathryn	Russell		Cedarburg	WI	53012		N168 W20610 Main Street	3469 Country Aire Drive	414-339-7219	V3 0032	Required Replacement(Trap)	12		\$139.00		\$1,668.00		\$1,668.00
Jon	Zandi	Jackson Pub	Jackson	WI	53037		N168 W20594 Main Street	3207 Division Road		V3 0031	Required Replacement (Trap)	45		\$139.00		\$6,255.00		\$6,255.00
		Ace TT LLC	Jackson	WI	53037		N168 W20580 Main Street	N168 W20580 Main Street		V3 0030	Required Replacement	45		\$139.00		\$6,255.00		\$6,255.00
		Town & Country Dental	Jackson	WI	53037		N168 W20566 Main Street	N168 W20566 Main Street	262-677-2224	V3 0029	No response for inspection	25		\$139.00		\$3,475.00		\$3,475.00
Curtis & Sharon	Chybowski		Menomonee Falls	WI	53051		N168 W20540-42 Main Street	N64 W15880 Wildflower Dr	262-347-8810	V3 0028	Required Replacement(Trap)	25		\$139.00		\$3,475.00		\$3,475.00
Vicki	Bussalachi	VAAB Real Estate	Germantown	WI	53022		N168 W20532 Main Street	PO Box 696	414-810-9877	V3 0027	Lateral Fixed to Property Line							\$0.00
Michael & Joanne	Miller		Jackson	WI	53037		N168 W20516 Main Street	N168 W20516 Main Street		V3 0026	Crawl space need access	15		\$139.00		\$2,085.00		\$2,085.00
Patricia	Herbst		West Bend	WI	53095		N168 W20498 Main Street	2472 Pleasant Valley Road		V3 0025	Required Replacement	25		\$139.00		\$3,475.00		\$3,475.00
Patricia	Herbst		West Bend	WI	53095		N168 W20488 Main Street	2472 Pleasant Valley Road		V3 0024	Required Replacement	10		\$139.00		\$1,390.00		\$1,390.00
Sandra	Rindt		Jackson	WI	53037		N168 W20472 Main Street	2406 Sherman Road		V3 0023	Required Replacement (sump pump)	35		\$139.00		\$4,865.00		\$4,865.00
David	Ernster	Links tap	Mequon	WI	53092		N168 W20448 Main Street	4030 W. Freistadt Road	414-750-3451	V3 0022	No response for inspection	15		\$139.00		\$2,085.00		\$2,085.00
Rebecca	Unger		Jackson	WI	53037		N168 W20420 Main Street	N168 W20420 Main Street		V3 0020	Required Replacement	50		\$139.00		\$6,950.00		\$6,950.00
		West Bend School District	Jackson	WI	53037		W204 N16850 Jackson Drive	W204 N16850 Jackson Drive		V3 0001	Required Replacement	35		\$139.00		\$4,865.00		\$4,865.00
Terrence	Loomis		Jackson	WI	53037		N168 W20324 Main Street	N168 W20324 Main Street		V3 0002	Required Replacement	15		\$139.00		\$2,085.00		\$2,085.00
Mark	Kohlwey	Silver Fox Holdings LLC	Cedarburg	WI	53012		N168 W20284-88 Main Street	1963 Belmont Drive		V3 0003	Required Replacement	20		\$139.00		\$2,780.00		\$2,780.00

verify storm lateral needed

Timothy	Loepfe		Jackson	WI	53037		N168 W20270 Main Street	N168 W20270 Main Street		V3 0004	Good Condition						\$0.00	
Kathleen	Markland		Jackson	WI	53037		N168 W20240 Main Street	PO Box 259		V3 0005	Required Replacement	40		\$139.00		\$5,560.00	\$5,560.00	
Tammy	Alberts		Jackson	WI	53037		N168 W20210 Main Street	N168 W20210 Main Street		V3 0006	Good Condition						\$0.00	
		EV Christ Lutheran Church	Jackson	WI	53037		N168 W20152 Main Street	N168 W20160 Main Street		V3 000700F	Required Replacement	40		\$139.00		\$5,560.00	\$5,560.00	
		EV Christ Lutheran Church	Jackson	WI	53037		N168 W20160 Main Street	N168 W20160 Main Street		V3 000700G	Required Replacement	60		\$139.00		\$8,340.00	\$8,340.00	
		Jackson Family Dentistry	Jackson	WI	53037		N168 W20060 Main Street	N168 W20060 Main Street	262-677-3003	V3 000800A	No response for inspection	75		\$139.00		\$10,425.00	\$10,425.00	
Dale	Beckwith		Jackson	WI	53037		N168 W19978 Main Street	N168 W19978 Main Street		V3 001400B	Good Condition						\$0.00	
Wilmer	Ehlke		Jackson	WI	53037		N168 W19950 Main Street	N168 W19950 Main Street		V3 047400D	New H2O/Sewer Lateral	60	70	\$139.00	\$150.00	\$8,340.00	\$10,500.00	\$18,840.00
Daniel & Sonya	Delcamp		Jackson	WI	53037		N168 W19900 Main Street	N168 W19900 Main Street		V3 047400C	New H2O/Sewer Lateral	60	70	\$139.00	\$150.00	\$8,340.00	\$10,500.00	\$18,840.00
Mary Elen	Meyer		Jackson	WI	53037		N168 W21873 Main Street	PO Box 113	262-677-2540	V3 051500A	No Inspection Required						\$0.00	
QPID LLC			Kewaskum	WI	53040		N168 W21991 Main Street	118 CTY HWY H		V3 051600A001	Not needed at this time						\$0.00	
Karla	Butz Bublitz		West Bend	WI	53095		N168 W21971 Main Street	700 W. Washington Street		V3 051600B003	Not needed at this time						\$0.00	
J & K Butz LLC			West Bend	WI	53095		N168 W21961 Main Street	1120 W Decorah Road		V3 051600B004	Not needed at this time						\$0.00	
J & K Butz LLC			West Bend	WI	53095		N168 W21951 Main Street	1120 W. Decorah Road		V3 051600B005	Not needed at this time						\$0.00	
Hua & Moy Chou	Huang		Milwaukee	WI	53222		N168 W21941 Main Street	9342 Melvina Street		V3 051600B006	Not needed at this time						\$0.00	
West Bend Savings			West Bend	WI	53095		N168 W21931 Main Street	200 S. Main Street		V3 051600B007	Not needed at this time						\$0.00	
West Bend Savings			West Bend	WI	53095		N168 W21921 Main Street	200 S. Main Street		V3 051600C001	Good Condition						\$0.00	
Michele	Bogner	Kerry Foods Inc	Jackson	WI	53037		N168 W21455 Main Street	N168 W21455 Main Street		V3 0174	Good Condition						\$0.00	
	Dahlberg	DLG Properties LLC	Jackson	WI	53037		N168 W21367 Main Street	N168 W21367 Main Street		V3 017300A	Good Condition						\$0.00	
John	Kruepke	J & M Village Properties II LLC	Jackson	WI	53037		W213 N16770 Glen Brooke Dr	N166 W21060 Parkway Dr		V3 017200C	Good Condition						\$0.00	
James	Berndt		Jackson	WI	53037		N168 W21209 Main Street	N168 W21209 Main Street	262-224-1450	V3 0159	Crawl space need access	50		\$139.00		\$6,950.00	\$6,950.00	
Michael & Jessica	Walczak		Jackson	WI	53037		N168 W21189 Main Street	N168 W21189 Main Street	262-623-1039	V3 0158	No response for inspection	35		\$139.00		\$4,865.00	\$4,865.00	
Michael & Jessica	Walczak		Jackson	WI	53037		Vacant Lot	N168 W21189 Main Street		V3 0157	No lateral installed						\$0.00	
David	Proksch		Jackson	WI	53037		N168 W21169 Main Street	N168 W21169 Main Street		V3 0156	Good Condition						\$0.00	
	K & E Properties of Jackson 2 LLC		Cedarburg	WI	53012		N168 W21147 Main Street	3469 Country Aire Drive		V3 0155	Required Replacement	45		\$139.00		\$6,255.00	\$6,255.00	
Jacob & Kathleen	Ladson		Jackson	WI	53037		N168 W21127 main Street	N168 W21127 Main Street		V3 0154	Required Replacement	40		\$139.00		\$5,560.00	\$5,560.00	
Gary & Penny	Boser		Jackson	WI	53037		N168 W21109 Main Street	N168 W21109 Main Street		V3 0153	Good Condition						\$0.00	
Paul & Carol	Purgett		Jackson	WI	53037		N168 W21079 Main Street	N168 W21079 Main Street	262-677-2890	V3 0152	No Access,(Trap in basement)	30		\$139.00		\$4,170.00	\$4,170.00	
Yolanda	Bender		Jackson	WI	53037		N168 W21041 Main Street	N168 W21041 Main Street	262-573-3411	V3 0150	No Access, Call for new Inspection	22		\$139.00		\$3,058.00	\$3,058.00	
Alexander	Zabrowski		Jackson	WI	53037		N168 W21011 Main Street	N168 W21011 Main Street		V3 0149	Required Replacement	20		\$139.00		\$2,780.00	\$2,780.00	
Carl Nelson	Tammy Villwock		Jackson	WI	53037		N168 W20981 Main Street	N168 W20981 Main Street		V3 0148	Required Replacement	25		\$139.00		\$3,475.00	\$3,475.00	
Mark	David		Slinger	WI	53086		N168 W20955-59 Main Street	341 Winter Lane		V3 0147	Good Condition						\$0.00	
Shari	Scott		Jackson	WI	53037		N168 W20933 Main Street	N168 W20933 Main Street		V3 0146	Replacement (sump pump in sewer)	25		\$139.00		\$3,475.00	\$3,475.00	
Jason	Taylor		Jackson	WI	53037		N168 W20907 Main Street	N168 W20907 Main Street		V3 0145	Required Replacement	35		\$139.00		\$4,865.00	\$4,865.00	
Darleen	Brown-Wanta		Jackson	WI	53037		N168 W20883-87 Main Street	N168 W20883 Main Street		V3 0144	Required Replacement	35		\$139.00		\$4,865.00	\$4,865.00	
Kerry	Bechtel		Hubertus	WI	53033		N168 W20861-63 Main Street	1159 W. Winnebago Road		V3 0143	Required Replacement	25		\$139.00		\$3,475.00	\$3,475.00	
		VJM North Properties	Elm Grove	WI	53122		N168 W20839 Main Street	925 Elm Grove #303		V3 0142	Required Replacement	22		\$139.00		\$3,058.00	\$3,058.00	
Tim	Holtz		West Bend	WI	53095		N168 W20827 Main Street	1201 W. Decorah Road	262-677-0000	V3 0141	Sewer line to hwy 60(Trap)	5		\$139.00		\$695.00	\$695.00	
Mark & Nora	Szolwinski	Hoge Gumm Building	Campbellsport	WI	53010		N168 W20823 Main Street	N1661 Lakeshore Drive		V3 012400Z	Required Replacement	10		\$139.00		\$1,390.00	\$1,390.00	
Wally & Renee	Miller	Old Village Hall Building	Jackson	WI	53037		N168 W20733 Main Street	PO Box 411		V3 011400B	Good Condition						\$0.00	
Henry & Sharon	Culp		Jackson	WI	53037		N168 W20609 Main Street	N168 W20609 Main Street		V3 0113	Good Condition						\$0.00	
Todd & Patricia	Backus		Cedarburg	WI	53037		N168 W20585-83-81 Main St	1370 Ponderosa Drive		V3 0112	Good Condition						\$0.00	
Michael	Frase		Jackson	WI	53037		N168 W20563 Main Street	N168 W20563 Main Street	262-305-4074	V3 0111	No response for inspection	25		\$139.00		\$3,475.00	\$3,475.00	
		Jackson Auto Service	Jackson	WI	53037		W204 N16763 Jackson Drive	PO Box 534		V3 0101	Required Replacement	100		\$139.00		\$13,900.00	\$13,900.00	
Shawn	Hoye		Jackson	WI	53037		N168 W20529 Main Street	N168 W20529 Main Street	262-670-0002	V3 011000A	No response for inspection	18		\$139.00		\$2,502.00	\$2,502.00	
Jason	Taylor	Vacant Lot	Jackson	WI	53037		N168 W20527 Main Street	N168 W20907 Main Street	262-689-0062	V3 011000B	Lateral to property		15		\$150.00		\$2,250.00	\$2,250.00
Dale	Liesener		Jackson	WI	53037		N168 W20497-99 Main Street	N168 W20499 Main Street	262-384-0670	V3 0109	Call for Re-Inspection	20		\$139.00		\$2,780.00	\$2,780.00	
Lisa	Janasik		Hartford	WI	53027		N168 W20477-79 Main Street	PO Box 270382		V3 0108	Required Replacement	8		\$139.00		\$1,112.00	\$1,112.00	
Alexander & Jody	Simpson-Leonhardt		Jackson	WI	53037		N168 W20459 Main Street	N168 W20459 Main Street		V3 0106	Required Replacement	25		\$139.00		\$3,475.00	\$3,475.00	
Shanon	Kramer	(Man is Deaf)	Jackson	WI	53037		N168 W20435 Main Street	N168 W20435 Main Street	262-208-6296	V3 010500B	Required Replacement	17		\$139.00		\$2,363.00	\$2,363.00	
Brian & Dawn	Flowers		Jackson	WI	53037		N168 W20417 Main Street	PO Box 276		V3 010500C	Required Replacement	5		\$139.00		\$695.00	\$695.00	
		Northwest Apartments LLC	Hubertus	WI	53033		N168 W20361 Main Street	PO Box 207		V3 0179	Required Replacement	25		\$139.00		\$3,475.00	\$3,475.00	

verify storm lateral discharge

removing trap in building

Separate lateral from N168 W20317 Main St

RESOLUTION #22-20

PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POLICE POWERS, UNDER SECTION 66.0703 OF THE WISCONSIN STATUTES

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin is pursuing the construction and reconstruction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses for the benefit of the properties described on Exhibit A hereto.

BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin:

1. The Village Board hereby declares its intention to exercise its police power under Section 66.0703 of the Wisconsin Statutes to levy special assessments upon the properties described in Exhibit A hereto, for special benefits conferred upon such property by the construction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses.
2. The Village Board hereby determines that the construction of such improvements is in the best interest of, and for the health and welfare of the municipality and the property benefited by the improvements, and therefore constitutes an exercise of the police power.
3. The amount of such assessments shall be determined and levied upon completion of the construction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses.
4. The number of installments, rate of interest, and the terms of payment will be included in the Final Resolution after the Public Hearing, which will be held upon completion of the project, when final costs have been determined.
5. Every Special Assessment levied under this Resolution, shall be a lien against the property assessed, from the date of the Final Resolution of the Village Board determining the levy.
6. The Village Engineer shall prepare a report consisting of the following:
 - a. Preliminary of the final plans and specifications for the Public Works.

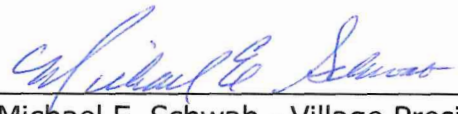
- b. An estimate of the entire cost of the proposed improvements.
 - c. A schedule of the proposed properties against which the assessments are to benefit.
 - d. A statement that each property against which the assessments are proposed, has been inspected and is benefited, setting forth the basis of such benefit.
 - e. Upon completion of the report, the Village Engineer shall file a copy with the Village Clerk, and with the Village Treasurer.
7. The Village Clerk shall make a copy of the report available for public inspection.

Introduced by: Pres Schwab

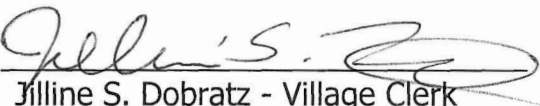
Seconded by: Tr. Wells

Vote: 5 ayes 0 nays

Passed and Approved: 11/8/2022



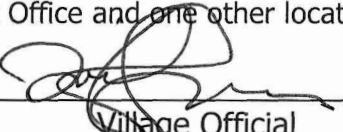
Michael E. Schwab - Village President

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.



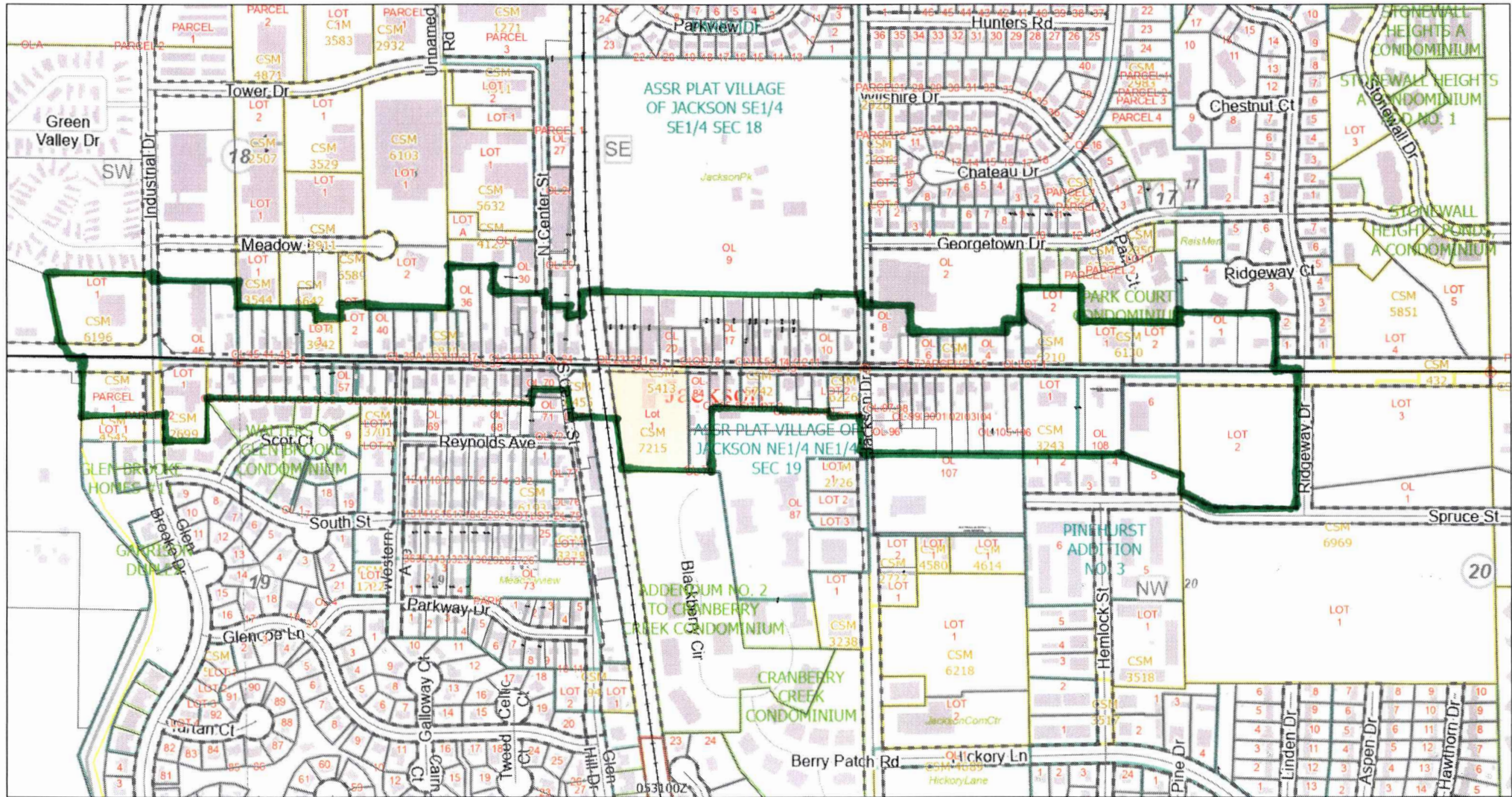
Village Official

11/10/2022

Date

EXHIBIT A

Washington County, Wisconsin

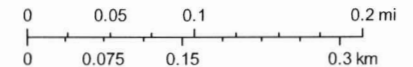


10/21/2022, 7:22:35 AM

Road Centerline I, USH	Dimensions			
Road Centerline STH, CTH		Local Road Labels		



1:4,820



RESOLUTION #23-19

FINAL RESOLUTION AUTHORIZING THE LEVY OF SPECIAL ASSESSMENTS AGAINST BENEFITED PROPERTY ASSOCIATED WITH STH 60 UTILITY UPGRADES RECONSTRUCTION PROJECT 2023

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin, on the 8th day of November 2022, adopted a Preliminary Resolution declaring it's intention to levy special assessments pursuant to Section 66.0703, Wisconsin Statutes upon the property benefited by the construction and reconstruction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks.

WHEREAS, the governing body held a public hearing at the Jackson Municipal Complex, located at N168W19851 Main Street at 7:30 p.m. on the 8th day of August 2023 for the purpose of hearing all interested persons who desired to speak concerning the project's improvements and assessments, and

WHEREAS, the governing body has examined the report relating to the improvements and assessments (contained therein) and has considered the statements of those persons appearing at the public hearing,

NOW, THEREFORE, BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin, as follows:

1. The report pertaining to the construction of the above-described public improvements, including plans and specifications, therefore, is adopted and approved.
2. The improvements were carried out in accordance with such report, and payment for assessing the cost to the property shall make the improvements, benefited those properties as indicated in the report.
3. The assessments shown on the report represent an exercise of police power, have been determined and completed on a reasonable basis, and are hereby confirmed. The total amount assessed is \$258,158.00. The amount assessed against each of the affected properties is enumerated in the Assessment Report contained herein.
4. The assessments for all projects included in the report, are hereby combined as a single assessment, but any interested property owner may object to each assessment separately or to all of the assessments jointly, for any purpose.
5. The property owners may, at their option, pay the assessment to the Treasurer of the Village of Jackson, in one single total payment, or have the amount added as a Special Assessment to their annual property tax statement for the tax year 2022.

6. The Village Clerk shall publish this Resolution as a Class 1 notice, an Installment Assessment Notice, in accordance with Section 66.0703, Wisconsin Statutes.
7. The Village Treasurer shall mail to every interested person whose post office address is known or can with reasonable diligence be ascertained, including each property owner whose name appears on the property tax roll, a copy of this resolution, an invoice for the final assessment against the benefited property, and a contract agreement form in which the interested party shall elect their option of payment for such assessment, sign, and return to the Village Treasurer.

Introduced by: _____

Seconded by: _____

Vote: _____ ayes _____ nays

Passed and Approved: _____

Brian J. Heckendorf – Village President

Attest: _____
Pamela Wolf – Deputy 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

M e m o

e

To: Brian Kober

From: Jeff L. Deitsch

Date: 07/18/2023

m

Re: Recommendation for Selling 2011 Jet/Vac

o

The Jackson Sewer Utility will be receiving a new GapVax Jet/Vac truck in August of 2023. The Jackson Sewer Utility has an opportunity to sell the existing 2011 Vactor 2100+ Jet/Vac Truck. After researching the Web on recent sales of used Vactor 2100+ Jet/Vac Trucks, there were approximately eight (8) Vactor Jet/Vacs that have been sold in the last year. The average price was \$122,500.00.

The Village of Slinger has contacted me requesting purchasing our 2011 Jet/Vac machine. After discussion, the Village of Slinger has submitted an Offer to Purchase for \$125,000.00. I would except their offer based of the following reasons:

1. MacQueen Equipment, the sales representative for Vactor in Wisconsin, offered only \$98,000.00.
2. Village of Slinger Offer to Purchase is higher than the average price from the research.
3. Village of Jackson and Village of Slinger have always had a good working relationship. The Villages went together to purchase our first Jet/Vac Truck in 2001.

Village of Slinger

*Incorporated 1869
Washington County
300 Slinger Road
Slinger, Wisconsin 53086*



Slinger Utilities

*Electric, Water, Sewer,
& Stormwater
Telephone: (262) 644-5265
Facsimile: (262) 644-6341*

OFFER TO PURCHASE

TO: Village of Jackson
Attn: Jeff Deitsch, Utility Superintendent
ADDRESS: N168 W19851 Main Street, Jackson WI 53037

This is confirmation that the Village of Slinger intends to purchase a:

2011 Vactor, Model 2100+ Jetvac

currently owned by the Village of Jackson for the agreed-upon price of \$125,000.

Please direct any questions regarding this matter to:

Greg Moser, Utilities Superintendent
gmoser@vi.slinger.wi.gov

Thank you,

M. Margaret Wilber
Village Administrator

July 12, 2023

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

Attention: Brian W. Kober, P.E., Director of Public Works/Village Engineer

Subject: Analysis of Bids and Recommendation for Award of Contracts
2023 Wastewater Treatment Facility – Storage Garage Expansion

Bid Deadline: June 20, 2023 at 1:00 p.m. local time

Ladies and Gentlemen:

The purpose of this letter is to analyze the bids received for the Storage Garage Expansion project at the Village's wastewater treatment facility, and to recommend the award of a contract. This project involves construction of an approximate 40' x 56' addition to the existing wood framed, steel siding storage garage, as well as the replacement of the original asphalt shingle roof on the existing garage with a new steel roof. The garage expansion is intended to store the new sewer jetting equipment on order by the Village, as well as to allow for the relocation of the existing vehicle and equipment storage from the Administration Building to this building as part of the future repurposing of this space.

The pre-bid estimate was \$779,000 and the Facility Plan budget was \$994,000. Nine general contractors, subcontractors, and material suppliers requested sets of the plans, specifications, and bidding documents. Only one contractor submitted a bid.

A summary of the bids is as follows:

Contractor	Base Bid
Hunzinger Construction Company	\$867,000

The bid was received late due to an issue with the online bidding software (QuestCDN) upload process, but the bid documents were emailed after the bid opening after discussing the matter with the Village Attorney. It was recommended that this anomaly could be waived as a minor informality, and we so recommend.

The low bidder is Hunzinger Construction Company of Brookfield, Wisconsin, an experienced general contractor that completed similar projects in communities around southeast Wisconsin. The bid prices are higher than the original budget due to the volume of work currently available to contractors in the area. We recommend that Hunzinger Construction be awarded a contract for a total of \$867,000.00.

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

Respectfully,
TOWN & COUNTRY ENGINEERING, INC.



Greg Droessler, P.E.
Vice-President

GJD:sai

J:\JOB#S\Jackson\JK-18-W2 2024 Wastewater Upgrades\10. Construction\Bidding\Storage Garage\Recommendation Ltr.docx

BID PROPOSAL FORM

**PROJECT: 2023 WASTEWATER TREATMENT FACILITY
Storage Garage Expansion**

OWNER: Village of Jackson
W194N16660 Eagle Drive
Jackson, WI 53037

BID DEADLINE: June 20, 2023 at 1:00 p.m. local time

Part 1 – General

1.1 Bid Proposal Preparation

- A. The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner on the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents, including provision of a Performance Bond and a Payment Bond each in the amount of 100% of the Contract amount.
- B. Reference the Instruction to Bidders before completing this Bid Proposal form. The Affidavit of Organization and Authority and Bid Bond documents must be submitted along with this Bid Proposal form in order to comply with the bidding requirements.
- C. All information requested must be provided within the following sections of this Bid Proposal:
 - 1. Part 2 – Base Bid Summary
 - 2. Part 3 – Acknowledgements and Representations
 - 3. Part 4 – Bid Signature Page
 - 4. Part 5 – Bid Schedule D
- D. The Total Bid Cost of Part 2 shall include all work required for construction of the building expansion that may reasonably be inferred from the plan sheets and specifications as being required to produce the intended result whether or not specifically identified by any particular proposal schedule item.

1.2 Specified Manufacturers and Equipment

- A. The contract documents are prepared based on the use of certain materials and equipment from specific manufacturers.
- B. Naming the manufacturer is intended to establish a minimum standard of the type, function, and quality required and is intended to establish a common basis for all bids to ensure that the Owner receives the full benefit of any savings in cost that may be associated with substitute material and equipment from an alternate manufacturer.
- C. It will be the sole responsibility of the Contractor to ensure that substitute equipment and/or Suppliers meet the design specifications. Bidders must reference the Instruction to Bidders for requirements to be followed when providing a contract cost change for using substitute equipment items.

1.3 Contract Award

- A. Award of the contract will be made on the basis of the evaluation of all Bid Proposal forms submitted. Award will be made to the Bidder with the lowest overall Bid Cost if the bid is determined to be comprehensive and the Bidder has been determined to be qualified.
- B. Each Bidder's base bid price will include the use of the Subcontractors listed in Schedule D of the Bid Proposal.

1.4 Project Time Schedule and Liquidated Damages

- A. Bidder agrees that the Work will be substantially completed and ready for final payment in accordance with paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days set forth below and indicated in the Agreement.

Substantial Completion	180 days
Final Completion	30 days

- B. Furthermore, the Bidder agrees that time is of the essence in performing this Contract and that the Owner will suffer financial loss if the Work (and each individual milestone) is not completed within the specified time frames given above. The Bidder acknowledges the delays, expense, and difficulties involved in proving in a legal or arbitration proceeding the actual loss suffered by the Owner if the Work is not completed on time. Accordingly, instead of requiring any such proof, the Bidder agrees that as liquidated damages to compensate the Owner for additional engineering, legal and administrative costs associated with delay (and not as a penalty or as compensation for other losses), the successful bidding Contractor shall pay Owner the following sums for each day that expires after the times specified for completion as set forth above which will be used in the contract documents:

\$250 per calendar day for substantial completion
\$250 per calendar day for final completion

Part 2 – Bid Summary

2.1 General Requirements

- A. The Bidder shall specify a Base Bid Price for all work required per the Contract Documents. The Base Bid Price shall include furnishing and installing all materials, labor, equipment, and necessary work to complete the project as depicted on the drawings and in the specifications.

2.2 Bid Summary

Total Base Bid Cost

\$ 867,000⁰⁰

Part 3 – Acknowledgements and Representations

3.1 Acknowledgements

- A. By signing this Bid Proposal the Bidder acknowledges that failure to bid all items will be grounds for rejection of the bid and that the Owner has the right to reject any and all bids, including bids which in the opinion of the Owner, are excessive or are not sufficient to properly carry out the work.
- B. Furthermore the Bidder acknowledges the right of the Owner to reject the bid of bidders who have previously failed to properly perform or complete on time contracts of similar nature.
- C. Bidder accepts all of the terms and conditions of the Advertisement to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

3.2 Bidder Representations

- A. In submitting this Bid, the Bidder represents as set forth in the Agreement that the acknowledgements and requirements described below have been agreed to.
- B. The Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the Work.
- C. Bidder has examined the following Addenda, receipt of all of which is hereby acknowledged.

Addendum No.

Addendum Date

- D. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.
- E. Bidder has carefully studied (1) reports of explorations and tests of subsurface conditions at or near to the site and all drawings of physical conditions relating to existing surface or subsurface structures at the site that have been identified in the Supplementary Conditions especially with respect to technical data in such reports and drawings, and (2) reports and drawings of Hazardous Environmental Conditions, if any, at the site that have been identified in the Supplementary Conditions especially with respect to technical data in such reports and drawings.
- F. Bidder has considered the information known to Bidder; information commonly known to contractors doing business in the locality of the site; information and observations obtained from visits to the site; the Bidding Documents, and the site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences and procedures of construction to be employed by the Bidder and (3) Bidder's safety precautions and programs.

- G. Bidder agrees, based upon the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- H. Bidder is aware of the general nature of work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents.
- I. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by Engineer is acceptable to Bidder.
- J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- K. Bidder certifies that the submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that, without exception, the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.
- L. Bidder further certifies that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not engaged in corrupt, fraudulent, collusive or coercive practices in competing for the contract.

Part 4 – Bid Signature Page

The Bid Proposal and this Bid Signature Form is hereby submitted on and by:

June 20, 2023

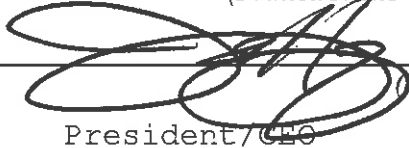
(Date)

Hunzinger Construction Company

(Company Name)

John Hunzinger

(Printed Name of Authorized Signatory)


(Signature)

(SEAL)

President/CEO

(Title)



(Witness or Notary Public Signature)

Contact Information:

21100 Enterprise Ave Brookfield, WI

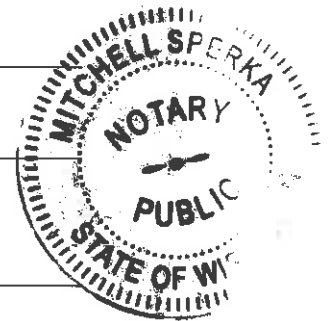
(Business Address)

262-722-3391

(Phone Number)

mgilman@hunzinger.com

(E-Mail)



Notes:

1. For partnerships, signature must be made by one of the general partners.
2. For joint venture projects, representative signature from each joint venture company must be provided. Attach appropriate signature pages as necessary.
3. The corporate or company seal shall be affixed over the signature for incorporated businesses.

Part 5 – Bid Schedules

- A. The Bidder shall complete all of the following attached Schedules and include them with the Bid Proposal when making a bid submittal:
 - 1. Schedule D – Subcontractor Listing
- B. Bid Schedule D Directions
 - 2. Bidders must complete Schedule D by filling in name for each subcontractor responsible for the scope of work listed and provide a contract amount for this work.

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SCHEDULE D – SUBCONTRACTOR LISTING

SUBCONTRACTED WORK	COMPANY NAME	SUBCONTRACT VALUE
Concrete		\$
Framing / General Construction		\$
Plumbing	Rohde or Butters - Fetting	\$ 20,000
Electrical	Lemberg or Terminal Andrae	\$ 21,000
HVAC	Rohde or Butters - Fetting	\$ 140,000
		\$
		\$
		\$
		\$

AFFIDAVIT OF ORGANIZATION AND AUTHORITY

Hunzinger Construction Company, being first duly sworn on oath, deposes and says that the bidder on the attached bid proposal is organized as indicated below and that all statements herein made are made on behalf of such bidder and that this deponent is authorized to make them.

(Fill Out Applicable Paragraphs)

1. CORPORATION

The bidder is a corporation organized and existing under the laws of the state of Wisconsin and its president is John Hunzinger, its secretary is Anthony Klein and it does/does not have a corporate seal. The President is authorized to sign construction contracts and bids for the company by action of its Board of Directors on February 22, 2022, a certified copy of which is hereto attached.
(Strike out this last sentence, if not applicable).

2. PARTNERSHIP

The bidder is a partnership consisting of _____ and _____ partners doing business under the name of _____

3. SOLE TRADER

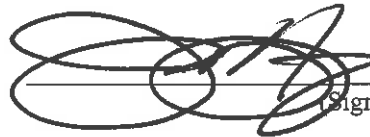
The bidder is an individual and, if operating under a trade name, is as follows: _____

4. ADDRESS

The business address of the bidder is as follows: _____
21100 Enterprise Ave Brookfield, WI 53045
Telephone Number: _____

5. STATUTORY SWORN STATEMENT

John Hunzinger also deposes and says that he has examined and carefully prepared his bid proposal from the plans and specifications and has checked the name in detail before submitting this proposal or bid; that the statements contained herein are true and correct.

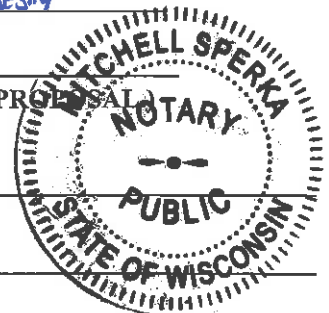

(Signature)

Subscribed and sworn to before me this 20th day of June, 2023

Notary Public,  County, Waukesha

My commission expires upon 6-30-27

(THIS AFFIDAVIT MUST BE ATTACHED TO AND FILED WITH THE BID PROPOSAL)



**ANNUAL MEETING OF THE
BOARD OF DIRECTORS
FOR
HUNZINGER CONSTRUCTION COMPANY**

The annual Board of Directors meeting was held at the office of Hunzinger Construction Company on February 14, 2022 at 9am.

The following Directors were present (represents all elected Directors)

John C Hunzinger
James R Hunzinger

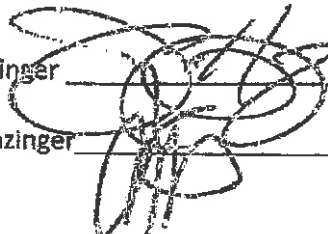
The following individuals were nominated and elected as officers for Hunzinger Construction Company each for a five year term ending December 31, 2027:

John C Hunzinger	CEO and President
James R Hunzinger	Executive Vice President
Anthony A Klein	Secretary and Treasurer
Dan Cole	Vice President Pre-Construction Services
Joel Becker	Vice President Field Operations
Jon Jansen	Vice President
Matthew Hunzinger	Vice President Colorado Operations
Timothy Verheyen	Vice President Construction Technology Services
Kevin Sandkuhler	Vice President Risk Management
Ryan O'Toole	Vice President Business Development
Scott Wendt	Vice President

There being no further business, a motion was made and seconded and passed unanimously to adjourn at 9:30am.

John C Hunzinger

James R Hunzinger



BID BOND (PENAL SUM FORM)

Bidder Name: Hunzinger Construction Company Address (principal place of business): 21100 Enterprise Avenue Brookfield, WI 53045	Surety Name: Travelers Casualty and Surety Company of America Address (principal place of business): One Tower Square Hartford, CT 06183
Owner Name: Village of Jackson Address (principal place of business): W194N16660 Eagle Drive Jackson, WI 53037	Bid Project (name and location): 2023 Wastewater Treatment Facility Storage Garage Expansion Bid Due Date: June 20, 2023
Bond Penal Sum: 5% Five Percent of Amount Bid Date of Bond: June 20, 2023	
Surety and Bidder, Intending to be legally bound hereby, subject to the terms set forth in this Bid Bond, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.	
Bidder Hunzinger Construction Company <i>(Full formal name of Bidder)</i> By:  <i>(Signature)</i> Name: Thomas C. Hunzinger <i>(Printed or typed)</i> Title: President / CEO Attest:  <i>(Signature)</i> Name: Marc Gilman <i>(Printed or typed)</i> Title: Senior Estimator	Surety Travelers Casualty and Surety Company of America <i>(Full formal name of Surety) (corporate seal)</i> By:  <i>(Signature) (Attach Power of Attorney)</i> Name: Bradley S. Babcock <i>(Printed or typed)</i> Title: Attorney-In-Fact Attest:  <i>(Signature)</i> Name: Kimberly Babcock <i>(Printed or typed)</i> Title: CFO
Notes: (1) Note: Addresses are to be used for giving any required notice. (2) Provide execution by any additional parties, such as joint venturers, if necessary.	



1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond will be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder occurs upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation will be null and void if:
 - 3.1. Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by Owner, or
 - 3.3. Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions does not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action will be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety, and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond will be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder must be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Postal Service registered or certified mail, return receipt requested, postage pre-paid, and will be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond will be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute governs and the remainder of this Bond that is not in conflict therewith continues in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company
Farmington Casualty Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, St. Paul Fire and Marine Insurance Company, and Farmington Casualty Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Bradley S. Babcock of Grafton, WI, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge the following bond:

Surety Bond No.: Bid Bond

OR

Principal: Hunzinger Construction Company

Obligee: Village of Jackson

Project Description: 2023 Wastewater Treatment Facility Storage Garage Expansion

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.



State of Connecticut

By: 

Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the 21st day of April, 2021, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026





Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointees such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her; and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of June, 2023.





Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.

Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

AFFIDAVIT OF ORGANIZATION AND AUTHORITY

Hunzinger Construction Company, being first duly sworn on oath, deposes and says that the bidder on the attached bid proposal is organized as indicated below and that all statements herein made are made on behalf of such bidder and that this deponent is authorized to make them.

(Fill Out Applicable Paragraphs)

1. CORPORATION

The bidder is a corporation organized and existing under the laws of the state of Wisconsin and its president is John Hunzinger, its secretary is Anthony Klein and it does/does not have a corporate seal. The President is authorized to sign construction contracts and bids for the company by action of its Board of Directors on February 22, 2022, a certified copy of which is hereto attached. (Strike out this last sentence, if not applicable).

2. PARTNERSHIP

The bidder is a partnership consisting of _____ and _____ partners doing business under the name of _____

3. SOLE TRADER

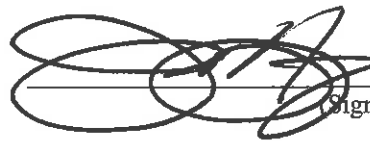
The bidder is an individual and, if operating under a trade name, is as follows: _____

4. ADDRESS

The business address of the bidder is as follows: _____
21100 Enterprise Ave Brookfield, WI 53045
Telephone Number: _____

5. STATUTORY SWORN STATEMENT

John Hunzinger also deposes and says that he has examined and carefully prepared his bid proposal from the plans and specifications and has checked the name in detail before submitting this proposal or bid; that the statements contained herein are true and correct.

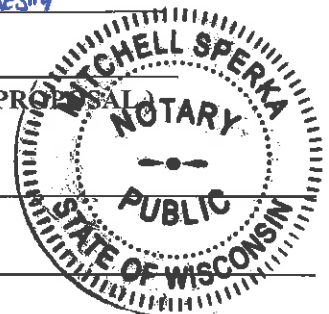

(Signature)

Subscribed and sworn to before me this 20th day of June, 2023

Notary Public,  County, Waukesha

My commission expires upon 6-30-27

(THIS AFFIDAVIT MUST BE ATTACHED TO AND FILED WITH THE BID PROPOSAL)



**ANNUAL MEETING OF THE
BOARD OF DIRECTORS
FOR
HUNZINGER CONSTRUCTION COMPANY**

The annual Board of Directors meeting was held at the office of Hunzinger Construction Company on February 14, 2022 at 9am.

The following Directors were present (represents all elected Directors)

John C Hunzinger
James R Hunzinger

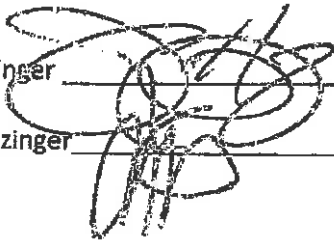
The following individuals were nominated and elected as officers for Hunzinger Construction Company each for a five year term ending December 31, 2027:

John C Hunzinger	CEO and President
James R Hunzinger	Executive Vice President
Anthony A Klein	Secretary and Treasurer
Dan Cole	Vice President Pre-Construction Services
Joel Becker	Vice President Field Operations
Jon Jansen	Vice President
Matthew Hunzinger	Vice President Colorado Operations
Timothy Verheyen	Vice President Construction Technology Services
Kevin Sandkuhler	Vice President Risk Management
Ryan O'Toole	Vice President Business Development
Scott Wendt	Vice President

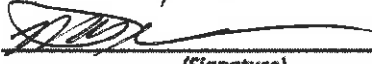
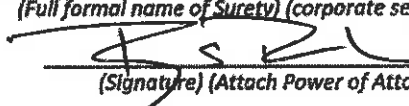
There being no further business, a motion was made and seconded and passed unanimously to adjourn at 9:30am.

John C Hunzinger

James R Hunzinger



BID BOND (PENAL SUM FORM)

Bidder Name: Hunzinger Construction Company Address (principal place of business): 21100 Enterprise Avenue Brookfield, WI 53045	Surety Name: Travelers Casualty and Surety Company of America Address (principal place of business): One Tower Square Hartford, CT 06183
Owner Name: Village of Jackson Address (principal place of business): W194N16660 Eagle Drive Jackson, WI 53037	Bid Project (name and location): 2023 Wastewater Treatment Facility Storage Garage Expansion Bid Due Date: June 20, 2023
Bond Penal Sum: 5% Five Percent of Amount Bid Date of Bond: June 20, 2023	
Surety and Bidder, intending to be legally bound hereby, subject to the terms set forth in this Bid Bond, do each cause this Bid Bond to be duly executed by an authorized officer, agent, or representative.	
Bidder Hunzinger Construction Company <i>(Full formal name of Bidder)</i> By:  <i>(Signature)</i> Name: <u>Torne C. Haverdalen</u> <i>(Printed or typed)</i> Title: <u>President / CEO</u> Attest:  <i>(Signature)</i> Name: <u>Marc Gilman</u> <i>(Printed or typed)</i> Title: <u>Senior Estimator</u>	Surety Travelers Casualty and Surety Company of America <i>(Full formal name of Surety) (corporate seal)</i> By:  <i>(Signature) (Attach Power of Attorney)</i> Name: <u>Bradley S. Babcock</u> <i>(Printed or typed)</i> Title: <u>Attorney-In-Fact</u> Attest:  <i>(Signature)</i> Name: <u>Kimberly Babcock</u> <i>(Printed or typed)</i> Title: <u>CFO</u>
Notes: (1) Note: Addresses are to be used for giving any required notice. (2) Provide execution by any additional parties, such as joint venturers, if necessary.	



1. Bidder and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to pay to Owner upon default of Bidder the penal sum set forth on the face of this Bond. Payment of the penal sum is the extent of Bidder's and Surety's liability. Recovery of such penal sum under the terms of this Bond will be Owner's sole and exclusive remedy upon default of Bidder.
2. Default of Bidder occurs upon the failure of Bidder to deliver within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents.
3. This obligation will be null and void if:
 - 3.1. Owner accepts Bidder's Bid and Bidder delivers within the time required by the Bidding Documents (or any extension thereof agreed to in writing by Owner) the executed Agreement required by the Bidding Documents and any performance and payment bonds required by the Bidding Documents, or
 - 3.2. All Bids are rejected by Owner, or
 - 3.3. Owner fails to issue a Notice of Award to Bidder within the time specified in the Bidding Documents (or any extension thereof agreed to in writing by Bidder and, if applicable, consented to by Surety when required by Paragraph 5 hereof).
4. Payment under this Bond will be due and payable upon default of Bidder and within 30 calendar days after receipt by Bidder and Surety of written notice of default from Owner, which notice will be given with reasonable promptness, identifying this Bond and the Project and including a statement of the amount due.
5. Surety waives notice of any and all defenses based on or arising out of any time extension to issue Notice of Award agreed to in writing by Owner and Bidder, provided that the total time for issuing Notice of Award including extensions does not in the aggregate exceed 120 days from the Bid due date without Surety's written consent.
6. No suit or action will be commenced under this Bond prior to 30 calendar days after the notice of default required in Paragraph 4 above is received by Bidder and Surety, and in no case later than one year after the Bid due date.
7. Any suit or action under this Bond will be commenced only in a court of competent jurisdiction located in the state in which the Project is located.
8. Notices required hereunder must be in writing and sent to Bidder and Surety at their respective addresses shown on the face of this Bond. Such notices may be sent by personal delivery, commercial courier, or by United States Postal Service registered or certified mail, return receipt requested, postage pre-paid, and will be deemed to be effective upon receipt by the party concerned.
9. Surety shall cause to be attached to this Bond a current and effective Power of Attorney evidencing the authority of the officer, agent, or representative who executed this Bond on behalf of Surety to execute, seal, and deliver such Bond and bind the Surety thereby.
10. This Bond is intended to conform to all applicable statutory requirements. Any applicable requirement of any applicable statute that has been omitted from this Bond will be deemed to be included herein as if set forth at length. If any provision of this Bond conflicts with any applicable statute, then the provision of said statute governs and the remainder of this Bond that is not in conflict therewith continues in full force and effect.
11. The term "Bid" as used herein includes a Bid, offer, or proposal as applicable.



Travelers Casualty and Surety Company of America
Travelers Casualty and Surety Company
St. Paul Fire and Marine Insurance Company
Farmington Casualty Company

POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That Travelers Casualty and Surety Company of America, Travelers Casualty and Surety Company, St. Paul Fire and Marine Insurance Company, and Farmington Casualty Company are corporations duly organized under the laws of the State of Connecticut (herein collectively called the "Companies"), and that the Companies do hereby make, constitute and appoint Bradley S. Babcock of Grafton, WI, their true and lawful Attorney(s)-in-Fact to sign, execute, seal and acknowledge the following bond:

Surety Bond No.: Bid Bond

OR

Project Description: 2023 Wastewater Treatment Facility Storage Garage Expansion

Principal: Hunzinger Construction Company

Obligee: Village of Jackson

IN WITNESS WHEREOF, the Companies have caused this instrument to be signed, and their corporate seals to be hereto affixed, this 21st day of April, 2021.



State of Connecticut

By: 

Robert L. Raney, Senior Vice President

City of Hartford ss.

On this the 21st day of April, 2021, before me personally appeared Robert L. Raney, who acknowledged himself to be the Senior Vice President of each of the Companies, and that he, as such, being authorized so to do, executed the foregoing instrument for the purposes therein contained by signing on behalf of said Companies by himself as a duly authorized officer.

IN WITNESS WHEREOF, I hereunto set my hand and official seal.

My Commission expires the 30th day of June, 2026





Anna P. Nowik, Notary Public

This Power of Attorney is granted under and by the authority of the following resolutions adopted by the Boards of Directors of each of the Companies, which resolutions are now in full force and effect, reading as follows:

RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President, any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary may appoint Attorneys-in-Fact and Agents to act for and on behalf of the Company and may give such appointee such authority as his or her certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors at any time may remove any such appointee and revoke the power given him or her, and it is

FURTHER RESOLVED, that the Chairman, the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President may delegate all or any part of the foregoing authority to one or more officers or employees of this Company, provided that each such delegation is in writing and a copy thereof is filed in the office of the Secretary; and it is

FURTHER RESOLVED, that any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the President, any Vice Chairman, any Executive Vice President, any Senior Vice President or any Vice President, any Second Vice President, the Treasurer, any Assistant Treasurer, the Corporate Secretary or any Assistant Secretary and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary; or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact and Agents pursuant to the power prescribed in his or her certificate or their certificates of authority or by one or more Company officers pursuant to a written delegation of authority; and it is

FURTHER RESOLVED, that the signature of each of the following officers: President, any Executive Vice President, any Senior Vice President, any Vice President, any Assistant Vice President, any Secretary, any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any Power of Attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such Power of Attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding on the Company in the future with respect to any bond or understanding to which it is attached.

I, Kevin E. Hughes, the undersigned, Assistant Secretary of each of the Companies, do hereby certify that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which remains in full force and effect.

Dated this 20th day of June, 2023.





Kevin E. Hughes, Assistant Secretary

To verify the authenticity of this Power of Attorney, please call us at 1-800-421-3880.

Please refer to the above-named Attorney(s)-in-Fact and the details of the bond to which this Power of Attorney is attached.

Village of Jackson, Wisconsin



—PROJECT SITE
W194N16658 EAGLE DR
JACKSON, WI 53037



NO SCALE



VILLAGE OF JACKSON
WASHINGTON COUNTY, WISCONSIN

PROJECT NO.: JK 18 DRAWING FILE: JK-18 COVER 00-G DATE: 5-24-23	DRAWN BY: R.T.G.	2023 WASTEWATER TREATMENT FACILITY STORAGE GARAGE EXPANSION Village of Jackson, Wisconsin	
	CHECKED BY: G.J.D.		
	REV. DATE:		
ELECTRICAL ENGINEER	PLUMBING/HVAC ENGINEER	STRUCTURAL ENGINEER	CIVIL/PROCESS ENGINEER

tc TOWN & COUNTRY
ENGINEERING, INC.

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

00 – GENERAL

00 – G – 01	INDEX SHEET
00 – G – 02	STANDARD ABBREVIATIONS, DESIGNATIONS, SITE/PROCESS LEGENDS & GENERAL NOTES
00 – G – 03	ELECTRICAL SYMBOLS AND ABBREVIATIONS
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05 – WWTP SITE

05 – C – 01	SITE LOCATION PLAN
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95 – STORAGE GARAGE

95 – AS – 01	FLOOR & REMOVAL PLANS
95 – AS – 02	FOUNDATION & ROOF FRAMING PLANS
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95 – AS – 04	BUILDING SECTIONS
95 – PH – 01	PLUMBING/HVAC PLANS
95 – PH – 02	HVAC & PLUMBING SCHEDULES
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100 – AS – 01	STANDARD DETAILS
100 – AS – 02	STANDARD DETAILS
100 – E – 01	SCHEDULES
100 – E – 02	OVERALL ONE-LINE

2023 WASTEWATER TREATMENT FACILITY
STORAGE GARAGE EXPANSION
Village of Jackson, Wisconsin

PROJECT NO.: JK 18
DRAWING FILE: JK-18 COVER & 00-G
DRAWN BY: R.T.G.
CHECKED BY: G.J.D.
DATE: 5-25-23
REVISIONS:
SCALE:
SHEET:

STANDARD ABBREVIATIONS

ACT	ACTUATED	M	METER
AER	AERATION, AEROBIC	MATL	MATERIAL
AFF	ABOVE FINISHED FLOOR	MAX	MAXIMUM
AHP	AIR – HIGH PRESSURE	MECH	MECHANICAL
ALP	AIR – LOW PRESSURE	MFR	MANUFACTURER
ALT	ALTERNATE	MGD	MILLION GALLONS PER DAY
ALUM	ALUMINUM	MH	MANHOLE
APPROX	APPROXIMATE, –LY	MID	MIDDLE
ARCH	ARCHITECTUAL	MIN	MINIMUM
ASPH	ASPHALT	MISC	MISCELLANEOUS
ASSY	ASSEMBLY	MJ	MECHANICAL JOINT
AVG	AVERAGE	ML	MIXED LIQUOR
		MLSS	MIXED LIQUOR SUSPENDED SOLIDS
B/	BOTTOM OF	MM	MILLIMETER
BAF	BAFFLE	MOT	MOTOR, –IZED
BCKWSH	BACKWASH	MTL	METAL
BFV	BUTTERFLY VALVE		
BF	BLIND FLANGE	N	NORTHING
BIT	BITUMINOUS	NH3–N	AMMONIA–NITROGEN
BLDG	BUILDING	NO.	NUMBER
BM	BENCH MARK	NPT	NATIONAL PIPE THREAD
BOD	BIOCHEMICAL OXYGEN DEMAND	NPW	NONPOTABLE WATER
BOT	BOTTOM	NTS	NOT TO SCALE
BSMT	BASEMENT		
BV	BALL VALVE	OC	ON CENTER
BYP	BYPASS	OD	OUTSIDE DIAMETER
		OPNG	OPENING
C/C	CENTER TO CENTER	OVER	OVER, –FLOW
CF	CUBIC FEET		
CFM	CUBIC FEET PER MINUTE	P	PHOSPHORUS
CHAN	CHANNEL	PNEU	PNEUMATIC
CHEM	CHEMICAL	PNV	PINCH VALVE
CI	CAST IRON	PE	POLYETHYLENE
C/L	CENTERLINE	PLMB	PLUMBING
CLASS	CLASSIFICATION	POLY	POLYMER
CLG	CEILING	PP	POWER POLE
CMP	CORRUGATED METAL PIPE	PRV	PRESSURE REDUCING VALVE
CON	CONCENTRIC	PSF	POUNDS PER SQUARE FOOT
CONC	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONN	CONNECTION	PT	POINT
CONTR	CONTRACTOR	PV	PLUG VALVE
CTR, CTRD	CENTER, –ED	PVC	POLYVINYL CHLORIDE
CV	CHECK VALVE	PVMT	PAVEMENT
CY	CUBIC YARD	PW	POTABLE WATER
DAF	DISSOLVED AIR FLOTATION THICKENER	R	RADIUS
DEC	DECANT	R/W	RIGHT–OF–WAY
DEG	DEGREE	RAS	RETURN ACTIVATED SLUDGE
DG	DIGESTER GAS	RCP	REINFORCED CONCRETE PIPE
DIA	DIAMETER	RCY	RECYCLE
DIG	DIGESTER	RED	REDUCER
DI	DUCTILE IRON	REF	REFERENCE
DISCH	DISCHARGE	REQ'D	REQUIRED
DN	DOWN	RM	ROOM
DNR	DEPARTMENT OF NATURAL RESOURCES	ROT	ROTATE, –D
DRN	DRAIN	RR	RAILROAD
DWG	DRAWING	RT	RIGHT
		RWW	RAW WASTEWATER
E	EASTING		
EA	EACH	SAN	SANITARY
ECC	ECCENTRIC	SBR	SEQUENCING BATCH REACTOR
EFFL	EFFLUENT	SCH	SCHEDULE
ELB	ELBOW	SDR	STRUCTURAL DIMENSION RATIO
ELEC	ELECTRIC, –AL	SEC	SECTION
EL, ELEV	ELEVATION	SEP	SEPTAGE
EQ	EQUALIZATION	SF	SQUARE FOOT
EQUIP	EQUIPMENT	SHT	SHEET
EST	ESTIMATE, –D	SLG	SLUDGE
EX	EXISTING	SPEC	SPECIFICATION
		SQ	SQUARE
FH	FIRE HYDRANT	SS	STAINLESS STEEL
FFC	FLANGED FLEXIBLE CONNECTOR	STA	STATION
FL	FLOW LINE	STL	STEEL
FLR	FLOOR	STR	STRUCTURE
FLTR	FILTER	SUP	SUPERNATANT
FM	FORCE MAIN	SNV	SOLENOID VALVE
FRP	FIBERGLASS REINFORCED PLASTIC	SW	SIDEWALK
FT	FEET	SY	SQUARE YARD
FTG	FOOTING		
		T/	TOP OF
GAL	GALLON	T/W	TOP OF WALL
GALV	GALVANIZED	TEMP	TEMPERATURE
GC	GENERAL CONTRACTOR	TSS	TOTAL SUSPENDED SOLIDS
GND	GROUND	TYP	TYPICAL
GR	GRIT		
GV	GATE VALVE	UV	ULTRAVIOLET
HORIZ	HORIZONTAL	VERT	VERTICAL
HP	HORSEPOWER	VF	VERTICAL FEET
HR	HOURL		
HVAC	HEATING, VENTILATING, AND AIR CONDITIONING	W/	WITH
HWL	HIGH WATER LEVEL	W/O	WITHOUT
HYD	HYDRANT	WAS	WASTE ACTIVATED SLUDGE
		WAT	WATER
		WW	WASTEWATER
ID	INSIDE DIAMETER		
IN	INCH	YD	YARD
INCL	INCLUDE, –ING	YR	YEAR
INFL	INFLUENT		
INV	INVERT		
LB(S)	POUND(S)		
LF	LINEAL FEET		
LIN	LINEAR		
LR	LONG RADIUS		
LS	LUMP SUM		
LT	LEFT		
LWL	LOW WATER LEVEL		

SITE LEGEND

UNDERGROUND TELE.
UNDERGROUND CATV.
UNDERGROUND ELEC.
OVERHEAD
EXISTING GAS
PROPERTY LINE
EXISTING SITE PIPING
EXISTING FENCE LINE
EXISTING CONTOURS
NEW CONTOURS
SAWCUT
NEW STORM SEWER
NEW SITE PIPING
SITE PIPING REMOVAL/ABANDON

UT

UT

UT

UCATV

UE

UE

UE

UE

UE

UE

OH

OH

OH

OH

OH

G

G

G

G

G

x

x

x

x

x

x

x

x

XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX

NEW ITEMS:

WATER VALVE

CURB STOP

HYDRANT

MANHOLE

CURB INLET

ENDWALL

GAS WARNING

EXISTING ITEMS:

FLAG POLE

MAILBOX

POWER POLE

LIGHT POLE

LAMP POST

PULL BOX

WATER VALVE

CURB STOP

HYDRANT

WELL

MONITORING WELL

TRACER WIRE

SANITARY MANHOLE

SANITARY VALVE

CLEANOUT

STORM MANHOLE

CURB INLET

CIRCULAR INLET

SQUARE INLET

ENDWALL

STUMP

DECID. TREE

EVERGREEN

SHRUB OR HEDGE

SIGN

CATV. PED.

TELE. PED.

ELEC. PED.

GAS VALVE

STREET SIGN

IRON PIPE

IRON ROD

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

EXISTING PIPING LABEL

NEW PIPING LABEL

KEY NOTE

REMOVAL NOTE

GENERAL NOTES

- EXISTING INFORMATION, INCLUDING UNDERGROUND PIPING AND UTILITIES, SHOWN ON THE PLANS WAS OBTAINED FROM OWNER INFORMATION AND FIELD MEASUREMENTS WHERE AVAILABLE. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE ACCURACY OF ALL EXISTING INFORMATION AS REQUIRED TO ACCOMMODATE NECESSARY CONSTRUCTION. UTILITIES THAT MAY BE AFFECTED BY CONSTRUCTION MUST BE MAINTAINED AND ANY DAMAGES TO EXISTING UTILITIES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- THE CONTRACTOR IS RESPONSIBLE FOR THE PRESERVATION OF PROPERTY AND RESTORATION OF DAMAGED PROPERTY CAUSED BY CONSTRUCTION ACTIVITIES. AFTER THE COMPLETION OF CONSTRUCTION, ANY EXISTING PROPERTY DAMAGED AS A RESULT OF THE CONTRACTOR'S ACTIVITIES DURING EXECUTION OF THE CONTRACT SHALL BE RESTORED SO AS TO MATCH THE EXISTING AT NO COST TO THE OWNER.
- DRAWINGS SCALES MAY VARY FROM ONE SHEET TO THE NEXT. ALL PERSONS SHALL BE RESPONSIBLE FOR VERIFYING THE CORRECT SCALE OF ANY MEASUREMENTS MADE ON THE PLAN SHEETS. DRAWINGS IN GENERAL DO NOT SHOW DIMENSIONS OF EXISTING CONSTRUCTION, BUT ARE DRAWN APPROXIMATELY TO SCALE. CONTRACTOR SHALL OBTAIN ALL DIMENSIONS REQUIRED FOR CONSTRUCTION.
- WHEN THE TERM 'REMOVE' IS USED ON DRAWINGS IT SHALL MEAN THAT THE CONTRACTOR IS TO REMOVE THE REFERENCED MATERIAL OR EQUIPMENT AND DISPOSE OF IN A PROPER MANNER. WHEN THE TERM 'REMOVE AND SALVAGE' IS USED THE CONTRACTOR SHALL REMOVE THE REFERENCED MATERIAL OR EQUIPMENT, TRANSPORT TO THE DESTINATION INDICATED, AND UNLOAD THE MATERIAL OR EQUIPMENT AS DIRECTED BY THE OWNER. THE PLANS DO NOT NECESSARILY SPELL OUT ALL ITEMS REQUIRING REMOVAL, DEMOLITION, OR PATCHING. WHERE NOT SHOWN, ALL REMOVAL, DEMOLITION, CUTTING, PATCHING AND OTHER WORK NECESSARY TO ACCOMMODATE NEW CONSTRUCTION SHALL BE PROVIDED AS A PART OF THE CONTRACT.

PROCESS PIPING LEGEND

P

M

PLUG VALVE

GATE VALVE

CHECK VALVE

BUTTERFLY VALVE

PINCH VALVE

PNEUMATIC–, MOTORIZED (ELECTRIC) ACTUATORS

ELBOWS

CROSS, TEE, WYE

PIPE UP, PIPE DOWN

CONCENTRIC REDUCER, ECCENTRIC REDUCER

FLANGED FLEXIBLE CONNECTER

FLOW METER

BALL VALVE

CONTROL VALVE

PRESSURE REGULATOR

ELBOW/TEE DOWN

ELBOW/TEE UP

PIPING SMALLER THAN 3"

10-M-01

DRAWING NUMBER

DISCIPLINE IDENTIFIER

STRUCTURE IDENTIFIER

ELEVATION

100.00

T/WALL

DESCRIPTION (IF NECESSARY)

ELEVATION MARKER

X

xx–x–xx

DETAIL NUMBER

DRAWING ON WHICH DETAIL IS SHOWN

X

xx–x–xx

SECTION LETTER

LOCATED ON SHEET

30-GT-01

GATE

GATE NUMBER

STRUCTURE IDENTIFICATION

GENERAL
CIVIL
REMOVAL
ARCHITECTURAL
STRUCTURAL
PROCESS/MECHANICAL
PLUMBING
HVAC
ELECTRICAL
PROCESS/INSTRUMENTATION
FIRE PROTECTION

G
C
R
A
S
M
P
H
E
W
F
P

10-M-01

DRAWING NUMBER

DISCIPLINE IDENTIFIER

STRUCTURE IDENTIFIER

ELEVATION

100.00

T/WALL

DESCRIPTION (IF NECESSARY)

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DISCIPLINE IDENTIFIER

STRUCTURE IDENTIFIER

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FIRE PROTECTION

G
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F
P

STANDARD ABBREVIATIONS, DESIGNATIONS,
SITE/PROCESS LEGENDS & GENERAL NOTES

2023 WASTEWATER TREATMENT FACILITY
STORAGE GARAGE EXPANSION
Village of Jackson, Wisconsin

PROJECT NO.:
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ELECTRICAL PLAN SYMBOLS

OUTLETS AND DEVICES

	DUPLEX
	DUPLEX (COUNTER TOP HEIGHT)
	SINGLE
	DOUBLE DUPLEX
	SPECIAL OUTLET
	EQUIPMENT CONNECTION
	DATA OUTLET
	TELEPHONE/DATA OUTLET
	TELEPHONE OUTLET
	TELEPHONE BLACKBOARD

LIGHTING

	LUMINAIRE, CEILING MOUNTED, RECESSED OR SURFACE
	WALL MOUNTED FIXTURE
	FIXTURE - DOUBLE OR SINGLE HEAD SPOTLIGHT
	EXIT FIXTURE
	EMERGENCY BATTERY REMOTE HEADS
	EMERGENCY BATTERY UNIT WITH HEADS
	SINGLE POLE MOUNTED FIXTURE
	TWIN POLE MOUNTED FIXTURE

SWITCHES

\$	SINGLE POLE SWITCH
\$ ₂	DOUBLE POLE SWITCH
\$ ₃	THREE WAY SWITCH
\$ ₄	FOUR WAY SWITCH
\$ _a \$ _b \$ _c	SWITCH CONTROL A, B, C
\$ _K	KEY OPERATED
\$ _P	SWITCH WITH PILOT LIGHT
\$ _{WP}	WEATHERPROOF SWITCH
\$ _D	DIMMER SWITCH
	OCCUPANCY SENSOR, WALL MOUNTED
	OCCUPANCY SENSOR, CEILING MOUNTED
\$ _M	MOTOR RATED SWITCH
\$ _{MS}	MANUAL MOTOR STARTER

SERVICE AND DISTRIBUTION

	LIGHTING OR POWER PANEL - RECESSED
	LIGHTING OR POWER PANEL - SURFACE
	DISTRIBUTION PANEL
	MOTOR CONTROL CENTER
	TRANSFORMER - REFER TO ONE-LINE. XX-XFMR-01 INDICATES LOCATION AT STRUCTURE XX.
	CURRENT TRANSFORMER CABINET (UTILITY METERING)
	METER AND SOCKET

MOTOR CONTROL

	DISCONNECT SWITCH, NON-FUSED
	DISCONNECT SWITCH, FUSED
	ENCLOSED CIRCUIT BREAKER
	MAGNETIC CONTACTOR
	ADJUSTABLE FREQUENCY DRIVE
	MAGNETIC MOTOR STARTER
	COMBINATION MAGNETIC MOTOR STARTER
	EQUIPMENT CONTROL PANEL - XXX INDICATES EQUIPMENT SERVED
	PUSHBUTTON
	ON/OFF PUSHBUTTON
	THREE FUNCTION PUSHBUTTON (UP/DOWN/STOP)
	THERMOSTAT
	SOLENOID VALVE
	MOTOR - NUMBER INDICATES HORSEPOWER

GENERAL NOTES

- THIS DRAWING IS A STANDARD LEGEND. SYMBOLS SHOWN MAY NOT ALL APPEAR ON DRAWINGS FOR THIS PROJECT.
- ALL CONTACTS ARE SHOWN IN THE DE-ENERGIZED (SHELF) POSITION. BI-STABLE RELAYS ARE SHOWN IN THE RESET POSITION.
- ONE-LINE DIAGRAMS FOR POWER SWITCHGEAR, USE ANSI STANDARD SYMBOLS AND ABBREVIATIONS.
- SEE INSTRUMENTATION I + C SYMBOLS LEGEND FOR INSTRUMENTATION SYMBOLS AND DETAILS.
- OTHER ABBREVIATIONS PER NECA 100-213 AND ISA S5.1
- ELEVATIONS ADJACENT TO SYMBOLS ARE BASED ON STATION DATUM. HEIGHTS ADJACENT TO SYMBOLS (+4.0) ARE REFERENCED TO FINISHED FLOOR GRADE.
- SEE SPECIFICATIONS AND SCHEDULES FOR COMPONENT REQUIREMENTS FOR MOTOR CONTROLLERS AND FOR CONTRACTORS.

SECURITY AND FIRE PROTECTION

	DOOR HOLDER
	HORN AND STROBE
	HORN ONLY
	STROBE ONLY
	MANUAL PULL STATION
	SMOKE DETECTOR
	HEAT DETECTOR - RATE OF RISE
	HEAT DETECTOR - FIXED TEMPERATURE
	WATER FLOW SWITCH
	LOW PRESSURE SWITCH
	TAMPER SWITCH
	SECURITY CAMERA - WP INDICATES WEATHERPROOF EXTERIOR CAMERA
	MOTION DETECTOR
	FIRE ALARM ANNUNCIATOR
	FIRE ALARM CONTROL PANEL

WIRING AND CONDUIT

- SIZE CONDUIT PER NEC. MINIMUM SIZE $\frac{3}{4}$ ".
- (X)#12 & #12G

REFERS TO NUMBER OF WIRE(S) AND SIZE OF WIRE(S) REQUIRED, WHERE AS:
(1)= ONE WIRE
#12 = THE SIZE OF WIRE REQUIRED
G = GROUND WIRE

- (X) 1-1/2"

REFERS TO NUMBER OF CONDUIT(S) AND SIZE OF CONDUIT(S) REQUIRED, WHERE AS:

(1)= ONE CONDUIT
1-1/2" = THE SIZE OF CONDUIT REQUIRED

*REFER TO DRAWINGS FOR REQ'D WIRE AND CONDUIT SIZES AND AMOUNTS

CIRCUITS

	CONDUIT STUB - TERMINATE WITH CAP
	CONDUIT TURNING UP
	CONDUIT TURNING DOWN
	HOMERUN TO PANELBOARD - H(X)-(Y,Z) OR L(X)-(Y,Z) - HIGH OR LOW VOLTAGE PANEL (X) - CIRCUIT (Y,Z) AS INDICATED
	JUNCTION BOX

ELECTRICAL ABBREVIATIONS

1P	ONE POLE
2P	TWO POLE
3P	THREE POLE
4P	FOUR POLE
1P1W	ONE POLE, ONE WIRE
1P2W	ONE POLE, TWO WIRE
2P2W	TWO POLE, TWO WIRE
2P3W	TWO POLE, THREE WIRE
3P2W	THREE POLE, TWO WIRE
3P3W	THREE POLE, THREE WIRE
3P4W	THREE POLE, FOUR WIRE
4P4W	FOUR POLE, FOUR WIRE
A	AMPERE
AC	ALTERNATING CURRENT
AF	AMP FRAME
AFCI	ARC-FAULT CIRCUIT INTERRUPTER
AFD	ADJUSTABLE FREQUENCY DRIVE
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPERE INTERRUPTING CAPACITY
ALUM	ALUMINUM
AS	AMP SWITCH
AT	AMP TRIP
ARCH	ARCHITECT
ATS	AUTOMATIC TRANSFER SWITCH
AUD	AUDIOMETER BOX CONNECTION
AUX	AUXILIARY
A/V	AUDIO VISUAL
AWG	AMERICAN WIRE GAUGE
BLDG	BUILDING
C	CONDUIT (GENERIC TERM FOR RACEWAY.)
CAM	CAMERA
CAT	CATALOG
CATV	CABLE TELEVISION
CB	CIRCUIT BREAKER
CKT	CIRCUIT
COL	COLUMN
C.T.	CURRENT TRANSFORMER
C.U.	COPPER
CL	CENTERLINE
DC	DIRECT CURRENT
Δ	DELTA
DET	DETECTOR
DISC	DISCONNECT
DIST	DISTRIBUTION
DN	DOWN
DWG	DRAWING

E	WIRED ON EMERGENCY CIRCUIT
EA	EACH
EC	ELECTRICAL CONTRACTOR
ECB	ENCLOSED CIRCUIT BREAKER
EDH	ELECTRICAL DUCT HEATER
EF	EXHAUST FAN
ELEC	ELECTRIC(AL)
ELEV	ELEVATION
EM	EMERGENCY
EMT	ELECTRIC METALLIC TUBING
ENCL	ENCLOSURE
EOL	END OF LINE
EP	EXPLOSION PROOF
EPO	EMERGENCY POWER OFF
EQUIP	EQUIPMENT
EUH	ELECTRIC UNIT HEATER
EW	ELECTRIC WATER COOLER
EW	ELECTRIC WATER HEATER
EXIST.	EXISTING
F	FLUSH
FA	FIRE ALARM
FBO	FURNISHED BY OTHERS
FC	FIRE PROTECTION CONTRACTOR
FCU	FAN COIL UNIT
FDN	FOUNDATION
FIXT	FIXTURE
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLR	FLOOR
FMC	FLEXIBLE METALLIC CONDUIT
FRE	FIBERGLASS REINFORCED EPOXY CONDUIT
FURN	FURNITURE
G	GROUND
GC	GENERAL CONTRACTOR
GEN	GENERATOR
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFPE	GROUND FAULT PROTECTION EQUIPMENT
GND	GROUND
GRC	GALVANIZED RIGID CONDUIT
HGT	HEIGHT
HP	HORSEPOWER
HTR	HEATER
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
HW	HOT WATER
HZ	HERTZ (CYCLE) PER SECOND

IAM	INDIVIDUAL ADDRESSABLE MODULE
ID	IDENTIFICATION
IG	ISOLATED GROUND
IMC	INTERMEDIATE METAL CONDUIT
I/O	INPUT/OUTPUT
IR	PASSIVE INFARED
I.S.	INTRINSICALLY SAFE
J-JO	JUNCTION BOX
KCMIL	ONE THOUSAND CIRCULAR MILS
K/O	KNOCK-OUT
KVA	KILOVOLT AMPERE
KVAR	KILOVOLT AMPERE REACTIVE
KW	KILOWATT
LFMC	LIQUIDTIGHT FLEXIBLE METALLIC CONDUIT
LFNC	LIQUIDTIGHT FLEXIBLE NONMETALLIC CONDUIT
LP	LIGHTING PANELBOARD
LS	LIMIT SWITCH
LTG	LIGHTING
LV	LOW VOLTAGE
MAINT	MAINTAINED
MAU	MAKE-UP AIR UNIT
MAX	MAXIMUM
MC	METAL CLAD CABLE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MD	MOTORIZED DAMPER
MDP	MAIN DISTRIBUTION PANEL
MISC	MISCELLANEOUS
MFR	MANUFACTURER
MLO	MAIN LUGS ONLY
MOD	MOTOR OPERATED DISCONNECT SWITCH
MTD	MOUNTED
MTG	MOUNTING
MTS	MANUAL TRANSFER SWITCH
N	NORTH
N/A	NOT APPLICABLE
NC	NORMALLY CLOSED
NEC	NATIONAL ELECTRIC CODE
NF	NON-FUSED
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NM	NONMETALLIC SHEATHED CABLE
NO	NORMALLY OPEN
NRTL	NATIONALLY RECOGNIZED TESTING LAB
#	NUMBER
NTS	NOT TO SCALE

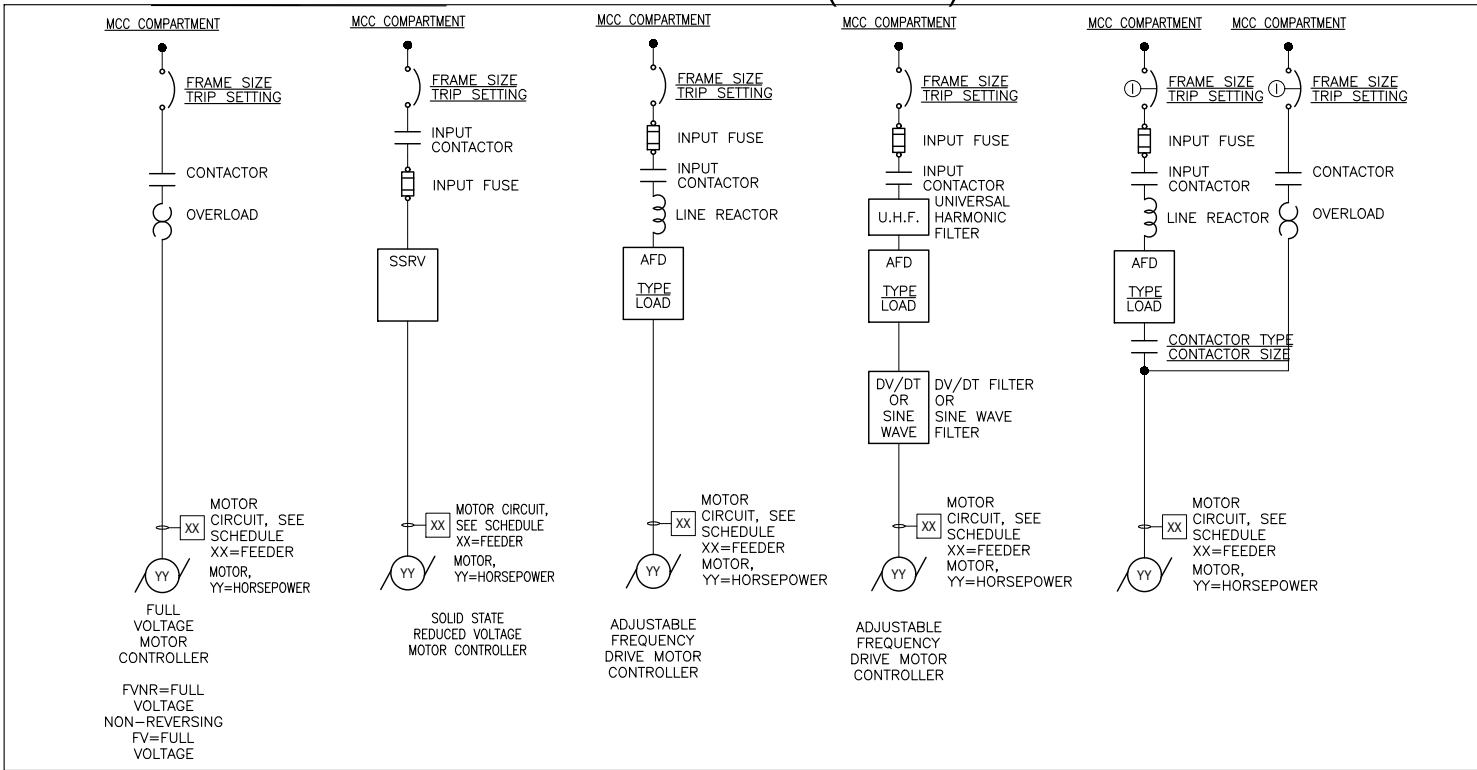
OHD	OVERHEAD DOOR OPERATOR
OL	OVERLOAD
P	POLE
PB	PULL BOX
PC	PLUMBING SYSTEM CONTRACTOR
PE	PRIMARY SERVICE
PEC	PHOTO ELECTRIC CONTROL
PH	PHASE
PIV	POST INDICATING VALVE
PNL	PANEL(BOARD)
PP	POWER PANEL
PR	PAIR
PRI	PRIMARY
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE CONDUIT
PWR	POWER
RE	REMOVE EXISTING
REC	RECESSED
RECP	RECEPTACLE
REQD	REQUIRED
RM	ROOM
RMC	RIGID METAL CONDUIT
RTU	ROOFTOP UNIT
S	SURFACE MOUNTED
SCH	SCHEDULE
SEC	SECONDARY
SIG	SIGNAL
SN	SOLID NEUTRAL
SP	SPARE
SPD	160KA/ PHASE MINIMUM SURGE PROTECTIVE DEVICE
SPEC	SPECIFICATION
SPKR	SPEAKER
SS	STAINLESS STEEL
STP	SHIELDED TWISTED PAIR
STL	CARBON STEEL
SUSP	SUSPENDED
SW	SWITCH
SWBD	SWITCHBOARD
SWGR	SWITCHGEAR
TC	TELEPHONE CABINET
TCI	TELECOMMUNICATIONS CABLING INSTALLER
TCP	TEMPERATURE CONTROL PANEL
TEL	TELEPHONE/DATA
TEL/DATA	TELEPHONE
TEMP	TEMPORARY
TERM	TERMINAL(S)
TV	TELEVISION
TYP	TYPICAL

UC	UNDER COUNTER
UG	UNDERGROUND
UH	UNIT HEATER
UPS	UNINTERRUPTIBLE POWER SOURCE
UTIL	UTILITY
UTP	UNSHIELDED TWISTED PAIR
V	VOLT
VPD	VARIABLE FREQUENCY DRIVE
W	WATT
W/	WITH
WH	WATTHOUR
WP	WEATHERPROOF
XFMR	TRANSFORMER
XLP	CROSS LINKED POLETHYLENE
Y	WYE
ZAM	ZONE ADAPTER MODULE

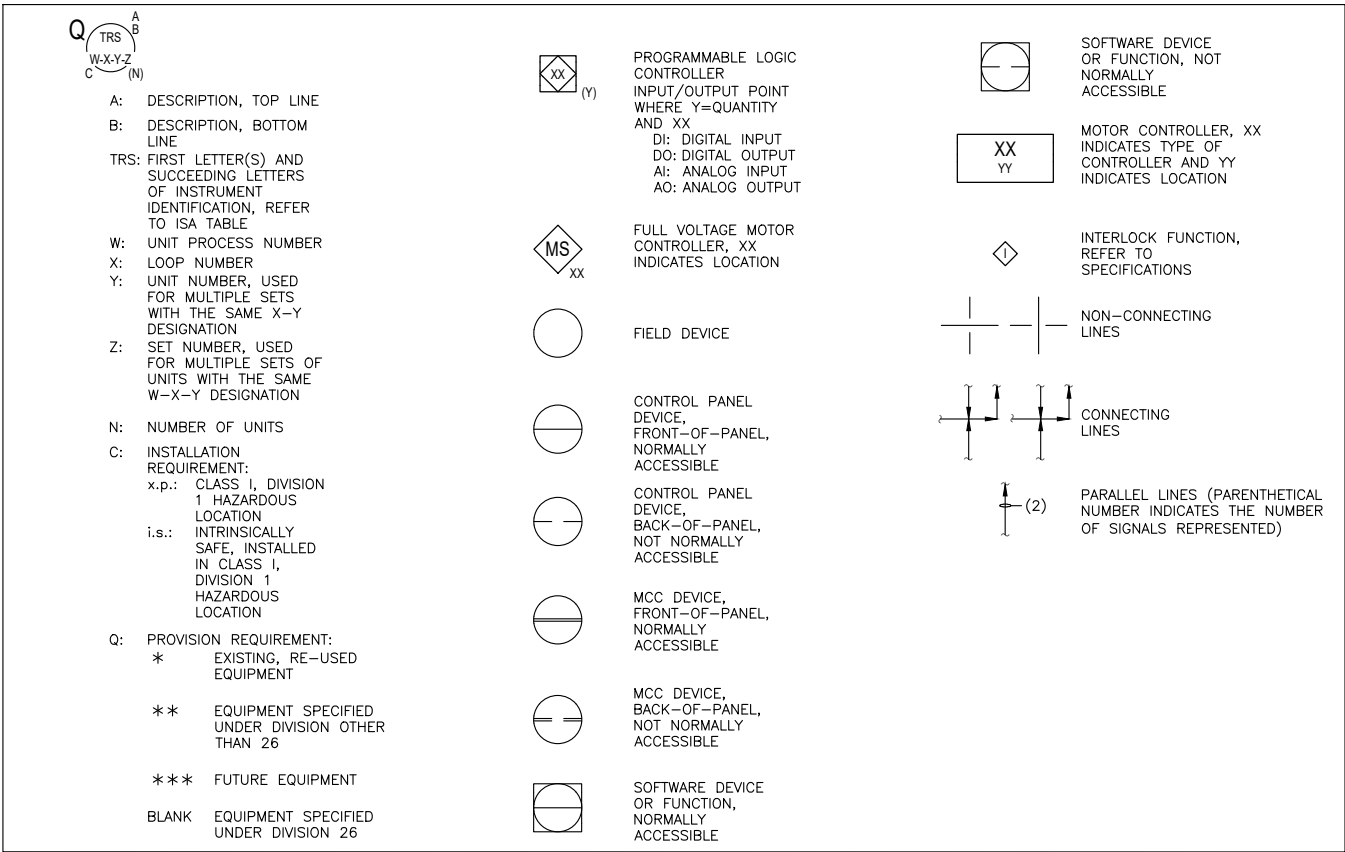
INTERNATIONAL SOCIETY OF AUTOMATION
INSTRUMENT IDENTIFICATION

	FIRST LETTER(S)		SUCCEEDING LETTERS		
	MEASURED OR INITIATING VARIABLE	VARIABLE	READOUT / PASSIVE FUNCTION	OUTPUT / ACTIVE FUNCTION	FUNCTION
A	ANALYSIS		ALARM		
B	BURNER, COMBUSTION		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
C	USER'S CHOICE			CONTROL	CLOSE
D	USER'S CHOICE	DIFFERENCES			DEVIATION
E	VOLTAGE		SENSOR (PRIMARY ELEMENT)		
F	FLOW, FLOW RATE	RATIO			
G	USER'S CHOICE		GLASS, VIEWING DEVICE		
H	HAND				HIGH
I	CURRENT		INDICATE		
J	POWER				
K	TIME, SCHEDULE	TIME RATE OF CHANGE		CONTROL STATION	
L	LEVEL		LIGHT		LOW
M	MOISTURE				MIDDLE, INTERMEDIATE
N	TORQUE		USER'S CHOICE	USER'S CHOICE	USER'S CHOICE
O	USER'S CHOICE		ORIFICE, RESTRICTION		OPEN
P	PRESSURE (VACUUM)		POINT, TEST CONNECTION		
Q	QUANTITY	INTEGRATE, TOTALIZE			
R	RADIATION		RECORD		RUN
S	SPEED, FREQUENCY	SAFETY		SWITCH	STOP
T	TEMPERATURE			TRANSMIT	
U	MULTIVARIABLE		MULTIFUNCTION	MULTIFUNCTION	
V	VIBRATION, MECHANICAL ANALYSIS			VALVE, DAMPER, LOUVER	
W	WEIGHT, FORCE		WELL		
X	UNCLASSIFIED	X AXIS	UNCLASSIFIED	UNCLASSIFIED	UNCLASSIFIED
Y	EVENT, STATE, PRESENCE	Y AXIS	AUXILIARY DEVICES		
Z	POSITION, DIMENSION	Z AXIS, SAFETY INSTRUMENT OF SYSTEM		DRIVE ACTUATE OR UNCLASSIFIED FINAL CONTROL ELEMENT	

MOTOR CONTROL (MCC) SYMBOLS



P&ID SYMBOLS (TYPICAL)



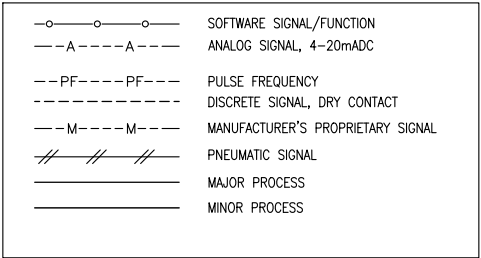
INSTRUMENT WIRING LEGEND

- AX = 2C#16 SHIELDED, TWISTED PAIR CABLE (X = NUMBER OF CABLES)
- DX = #14 THHN WIRE (X = NUMBER OF WIRES)
- MX = 1" CONDUIT FOR CABLE SUPPLIED BY MANUFACTURER BY MFG. (X = NUMBER OF CONDUITS)
- EX = 3/4" CONDUIT AND CAT5E(X) CABLE(S) (X = NUMBER OF CABLES)
- FO = CONDUIT AND FIBER OPTIC CABLE

PROCESS NOTES

- PROVIDE SEPARATE CONDUITS FOR THE FOLLOWING:
 - 24 V DC ANALOG
 - 24 V DC CONTROL/ DC PULSE
 - INTRINSICALLY SAFE
 - MANUFACTURERS CABLE
 - 120 VOLT CONTROL
 - 120 VOLT POWER
 - 480 VOLT POWER
 - LOW VOLTAGE INSTRUMENTATION
 - COMMUNICATION
- REFER TO SPECIFICATION 26 90 00 FOR LOOP AND OPERATOR INTERFACE FUNCTIONS.
- REFER TO RESPECTIVE DIVISION SPECIFICATIONS FOR ADDITIONAL DETAILS REGARDING INSTRUMENTATION AND CONTROL EQUIPMENT FURNISHED UNDER THOSE SPECIFICATIONS.

LINETYPE LEGEND





GENERAL NOTES

1.

PROJECT NO.:	JK 18
DRAWING FILE:	05-SITE
DRAWN BY:	R.T.G.
CHECKED BY:	G.J.D.
DATE:	5-24-23
REVISIONS:	
SCALE:	

SHEET:

05-C-01

2023 WASTEWATER TREATMENT FACILITY
STORAGE GARAGE EXPANSION
Village of Jackson, Wisconsin

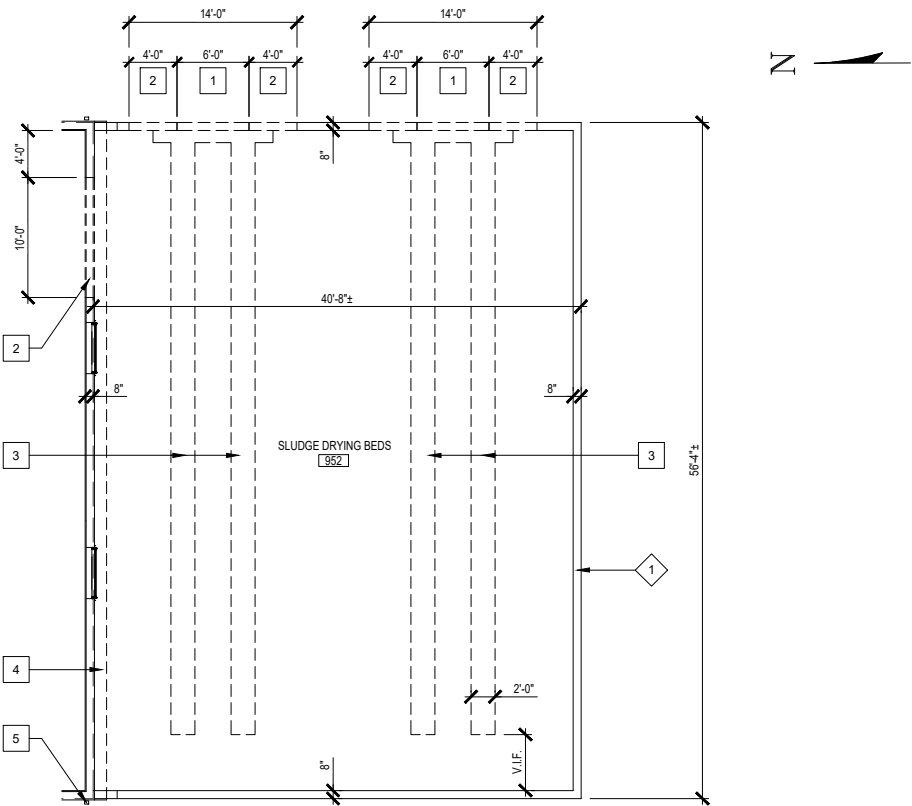
SITE LOCATION PLAN

BASIS OF STRUCTURAL DESIGN	
[1.0] ROOF LIVE LOADS:	
SNOW: GROUND (P _g)/ROOF FLAT (P _f)	30/25 PSF
UNBAL. SNOW LOAD (ASCE-7 FIG. 7-5)	40/25 PSF
IMPORTANCE FACTOR (I _b)	1.0
THERMAL FACTOR (C _t)	1.0
SNOW EXPOSURE FACTOR (C _e)	1.2
[1.1] SUPERIMPOSED ROOF DEAD LOADS (LOADS ON COMPONENTS):	
ROOFING, INSUL., FP, MWP, MISC.	18 PSF
[1.2] FLOOR LIVE LOADS:	
SLAB-ON-GRADE	250 PSF
[2.0] WIND (SIMPLIFIED PROCEDURE LOW-RISE BUILDINGS):	
WIND RISK CATEGORY	II
ENCLOSURE LEVEL	FULL
ULTIMATE DESIGN WIND SPEED (V _{ult})	115 MPH
NOMINAL DESIGN WIND SPEED (V _{asd})	90 MPH
IMPORTANCE FACTOR (I _b)	1.0
EXPOSURE CATEGORY	C
INTERNAL PRESSURE COEFFICIENT	±0.18
[3.0] SEISMIC (EQUIVALENT LATERAL FORCE PROCEDURE):	
SEISMIC RISK CATEGORY	II
SEISMIC IMPORTANCE FACTOR (I _b)	1.00
SITE CLASS	D
SEISMIC DESIGN CATEGORY	A
SEISMIC FORCE-RESISTING SYSTEM	NOTE-2
[4.0] ALLOWABLE SOIL BEARING CAPACITY & SUBGRADE MODULUS (ASSUMED):	
FOOTINGS	2,000 PSF
SLAB-ON-GRADE	150 PCI

- BASIS OF STRUCTURAL DESIGN NOTES**
- PROVIDE FOR ADDITIONAL 5 PSF LL AT ALL ATTIC SPACES.
 - SEISMIC FORCE-RESISTING SYSTEM: A. BEARING WALL SYSTEMS, 14. LIGHT-FRAMED WALLS WITH SHEAR PANELS OF ALL OTHER MATERIALS (PER ASCE 7).
 - COMPONENT DELEGATED DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PROVISIONS OF THE WISCONSIN DEPARTMENT OF ADMINISTRATIVE CODE, CHAPTER SPS 382 (CURRENT EDITION). COMPONENT SUBMITTAL SHALL INCLUDE: WOOD ROOF TRUSSES.

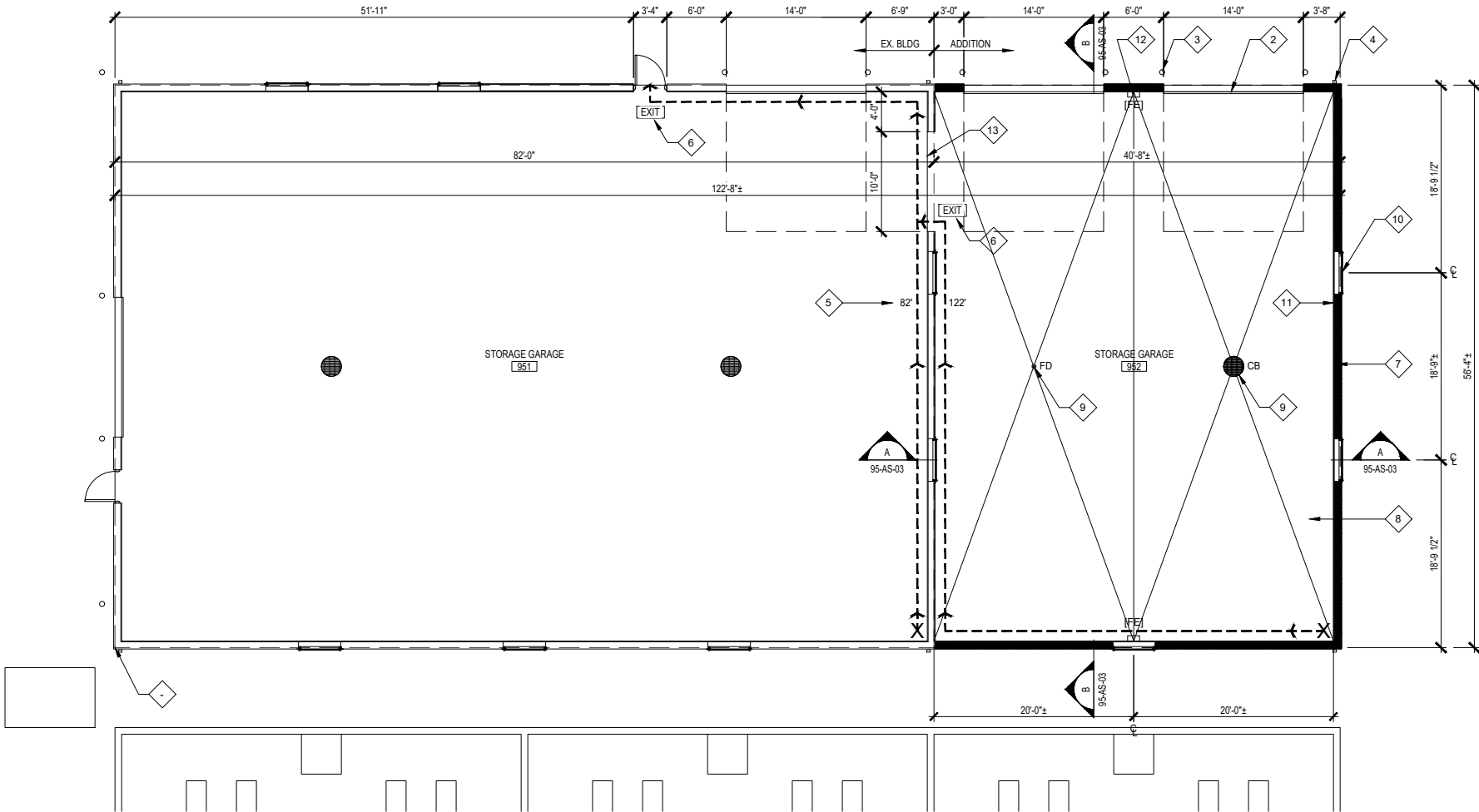
BUILDING CODE SUMMARY		
BUILDING INFORMATION		
PROJECT TYPE	ADDITION	
STRUCTURE PURPOSE	NOTE-3	
USE & OCCUPANCY	NOTE-4	
NO. STORIES	1	
CONSTRUCTION CLASS	VB	
GROSS AREA NEW CONSTRUCTION	2,291 SF	
GROSS AREA EXIST. & NEW	6,910 SF	
GROSS ENCLOSED VOLUME	153,890 CF	
FIRE SUPPRESSION (Y/N)	N	
FIRE ALARM (Y/N)	N	
EXIT TRAVEL DIST. (MAX. PER T.1017.2)	NOTE-6	
ACCESSIBILITY	NOTE-5	
CODE AUTHORITY SUBMITTAL (Y/N)	Y	

- BUILDING CODE SUMMARY NOTES**
- PROJECT ADDRESS: - W194N16658 EAGLE DRIVE, JACKSON, WI
 - COMMERCIAL BUILDINGS DELEGATED AUTHORITY: WISCONSIN DEPARTMENT OF SAFETY & PROFESSIONAL SERVICES (IBC 2015)
 - STRUCTURE PURPOSE: CONSTRUCT ADDITION TO EXISTING STORAGE GARAGE TO PROVIDE ADDITIONAL CAPACITY
 - USE & OCCUPANCY, AND ACCESSIBILITY: MODERATE HAZARD STORAGE GROUP S-1, NO SEPARATIONS REQUIRED, TABLE 508.4, ALLOWABLE BUILDING AREA; GROUP S-1 = 9,000 SQ. FT. (NS, MOST RESTRICTIVE), TABLE 506.2
 - ACCESSIBILITY: PROVIDED
 - ALLOWABLE EXIT TRAVEL DISTANCE: 200' (GROUP S-1)



REMOVAL PARTIAL PLAN

2



FLOOR PLAN

1

GENERAL NOTES

- GENERAL NOTES, REMOVAL NOTES, AND KEY NOTES SHOWN ON THE DRAWINGS ARE INTENDED TO CONVEY TYPICAL CONDITIONS AND SHALL BE TAKEN TO ALSO APPLY TO SIMILAR CONSTRUCTION DEPICTED ELSEWHERE THROUGHOUT THE PROJECT DOCUMENTS.
- EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED, IN PART, FROM EXISTING DOCUMENTATION, FIELD MEASUREMENTS, AND INFORMATION PROVIDED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACCURACY OF INFORMATION AS REQUIRED TO ACCOMMODATE REMOVALS & NEW CONSTRUCTION.
- CONCRETE REMOVAL METHOD SHALL UTILIZE STRAIGHT UNIFORM SAW-CUTS WHERE PARTIAL REMOVAL IS REQUIRED.
- FURNISH COLOR SELECTION CHARTS FOR ALL FACTORY-FINISHED COMPONENTS.

REMOVAL NOTES

- EX. CONCRETE FOUNDATION WALL OPENING, REMOVE CONCRETE DOWN TO 8" BELOW PROPOSED FLOOR SLAB ELEVATION TO ALLOW SLAB OVER-POUR AT NEW OVERHEAD DOOR.
- EX. CONCRETE STEM WALL, REMOVE CONCRETE DOWN TO 8" BELOW PROPOSED FLOOR SLAB ELEVATION TO ALLOW SLAB OVER-POUR AT NEW OVERHEAD DOOR & PROPOSED NEW WALL OPENING.
- REMOVE EX. CONCRETE DRIVE STRIPS AND ASSOCIATED CONCRETE AT EX. DRYING BEDS.
- REMOVE EX. ROOFING ABOVE TO INCLUDE ASPHALT SHINGLES, FELT, ICE & WATER-SHIELD (WHERE PRESENT), FASCIA CLADDING, AND DRIP EDGE IN PREPARATION FOR RE-ROOFING.
- REMOVE EX. GUTTERS & DOWNSPOUTS IN PREPARATION FOR NEW FASCIA CLADDING. SALVAGE AND RE-USE ONLY AS APPROVED BY A/E.

KEY NOTES

- EX. CONCRETE FOOTINGS AND STEM/FROST-WALL TO REMAIN.
- NEW 14H. X 14W. SECTIONAL OVERHEAD DOOR (OHD), TYP. (2) LOCATIONS, PROVIDE ALL OPERATIONAL HARDWARE AS SPECIFIED TO INCLUDE BUT NOT BE LIMITED TO TRACKS, HINGES & ROLLERS, COUNTERBALANCE SYSTEM, ELECTRIC OPENER, WEATHERSEALS, LIMIT SWITCH, AND OBSTRUCTION DETECTION. EXTERIOR ELECTRONIC KEYPAD, FURNISH (4) REMOTE CONTROLS PER DOOR.
- NEW 6" DIA. CONCRETE-FILLED PIPE BOLLARDS, (4) REQ'D, REF. 6/100-AS-01.
- FACTORY-FINISHED 3" X 4" METAL DOWNSPOUT SYSTEM AT (6) LOCATIONS SHOWN.
- EGRESS TRAVEL PATH & ASSOCIATED DISTANCE.
- REQUIRED EXIT, PROVIDE UNOBSTRUCTED PATH WHERE SHOWN.
- NEW 2X6 WOOD STUD WALL SYSTEM, REF. SECTION FOR TYPICAL CONSTRUCTION.
- NEW CONCRETE SLAB-ON-GRADE, PITCH SURFACE TO CATCH BASIN & FLOOR DRAIN.
- CATCH BASIN (CB) & FLOOR DRAIN (FD), REF. PLUMBING DWGS.
- NEW ALUMINUM CLAD FIXED THERMOPANE WINDOWS, MATCH SIZE, STYLE AND INSTALLATION HEIGHT OF EX. BUILDING WINDOWS, TYP. (3) LOCATIONS, NOMINAL WINDOW SIZE 3H. X 4W.
- NEW 24 GA. PREFINISHED VERTICAL RIBBED METAL PANEL WALL CLADDING SYSTEM TYP. AT EAST, SOUTH & WEST INTERIOR WALLS, NORTH WALL EX. METAL WALL PANEL SYSTEM TO REMAIN BELOW CEILING LEVEL, PROVIDE METAL TRIM AS NECESSARY TO INTEGRATE WITH NEW METAL WALL AND CEILING PANEL SYSTEMS.
- NFPA COMPLIANT FIRE EXTINGUISHER (FE) IN CABINET, REF. 8/100-AS-01, TYP. (2) LOCATIONS SHOWN.
- NEW-TO-EX. SLAB TRANSITION JOINT.

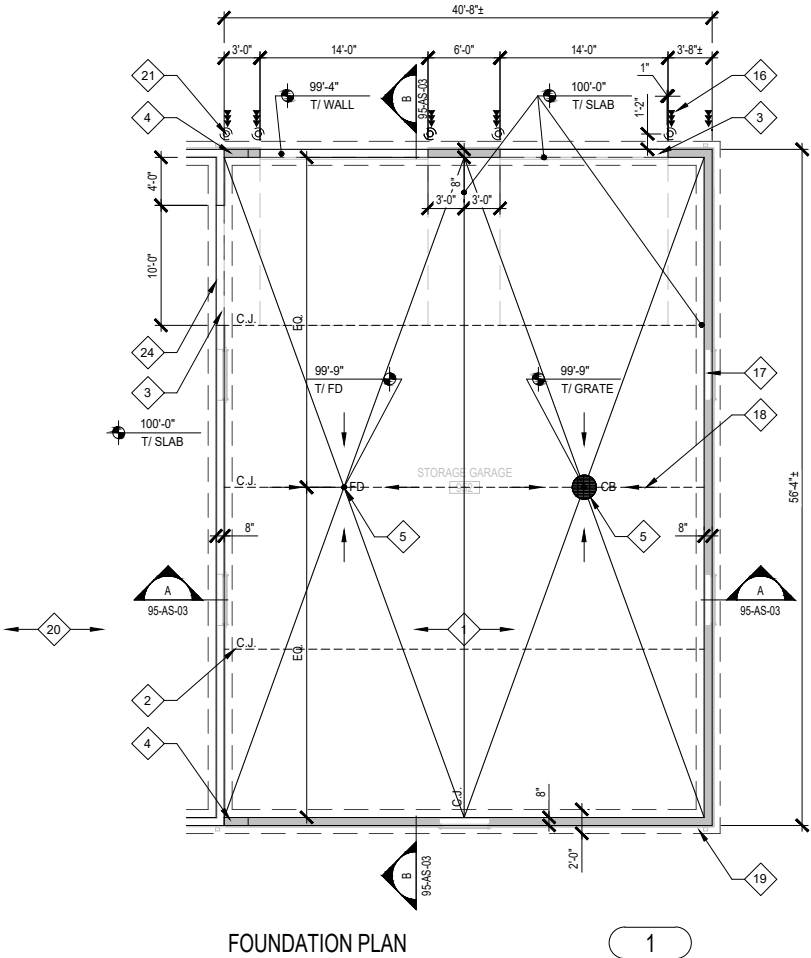
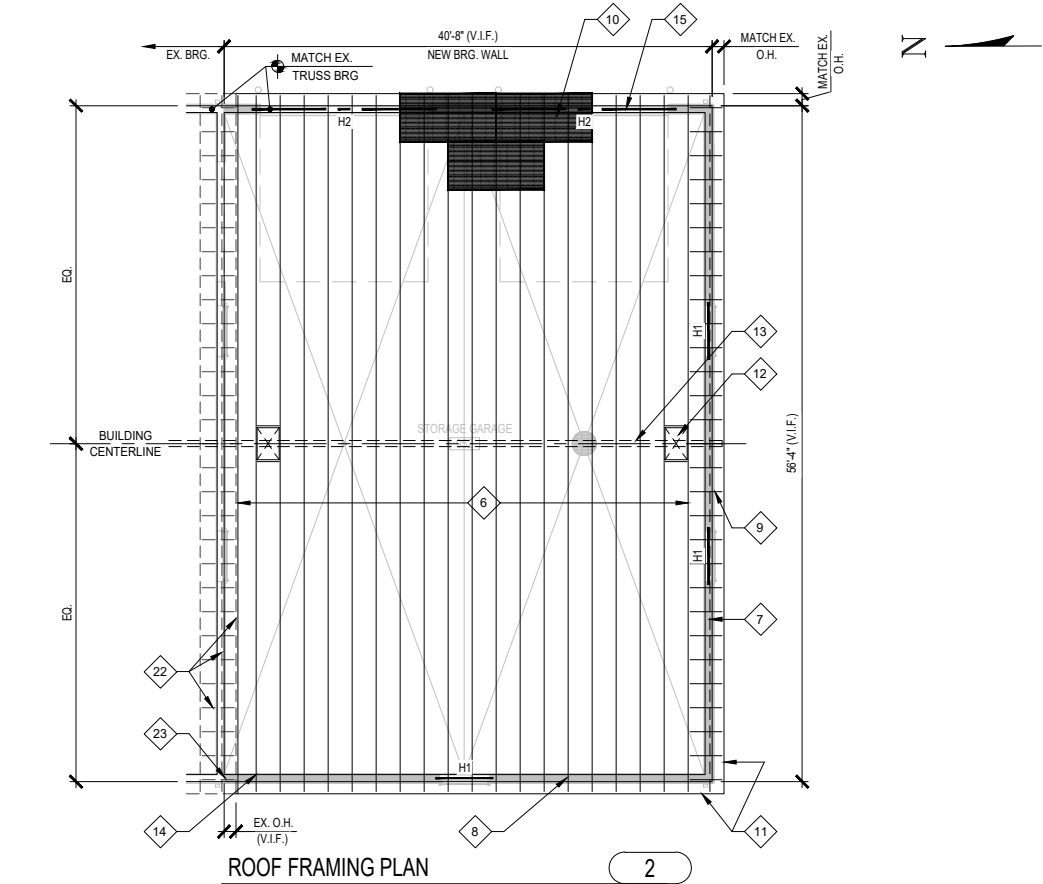
WOOD HEADERS			
MARK	TYPE	DESCRIPTION	BEARING (EA. END)
H1	HEADER	(3) 5 1/2"x1 3/4" LVL	WSP1
H2	HEADER	(3) 11 7/8"x1 3/4" LVL	WSP2

- WOOD BEAMS & HEADERS NOTES
- MISC. UNSPECIFIED HEADERS LESS THAN 4'-0" SHALL BE TYPE-H1, AS APPLICABLE.
 - BEARING STUDS SHALL MATCH WALL STUD WIDTH (2X6).
 - HEADERS FLUSH TO OUTSIDE FACE STUDS AT EXT. WALLS.
 - SCHEDULE DIMENSIONS INDICATED ARE "ACTUAL" UNLESS SPECIFIED AS "NOM" (NOMINAL).
 - REF. 2/100-AS-02 FOR MULTI-PLY HEADER ATTACHMENT.
 - REF. 3/100-AS-02 FOR TYPICAL STUD WALL AND HEADER SUPPORT FRAMING CONSTRUCTION. BLOCK APART HEADERS AS NECESSARY FOR R.O. AND 2X6 JACK SUPPORTS.

WOOD STUD POSTS		
MARK	DESCRIPTION	REMARKS
WSP1	(2) 2x6 (NOM.), STUD GRADE, OR BTR	-
WSP2	(3) 2x6 (NOM.), STUD GRADE, OR BTR	-

- WOOD POST NOTES
- REF. APPLICABLE DETAILS FOR BASE AND TOP ANCHORAGE TO CONNECTED ELEMENTS.
 - SCHEDULE DIMENSIONS INDICATED ARE "ACTUAL" UNLESS SPECIFIED AS "NOM" (NOMINAL).

NOTE:
ALL FINISH-EXPOSED FORMED CONCRETE SURFACES SHALL RECEIVE A SMOOTH RUBBED FINISH PER SPECIFICATION SECTION 03 30 00 (3.7). INTERIOR CONCRETE SLABS SHALL BE STEEL TROWEL-FINISHED TO TOLERANCE $F_f=25$, $F_t=20$, UNO.

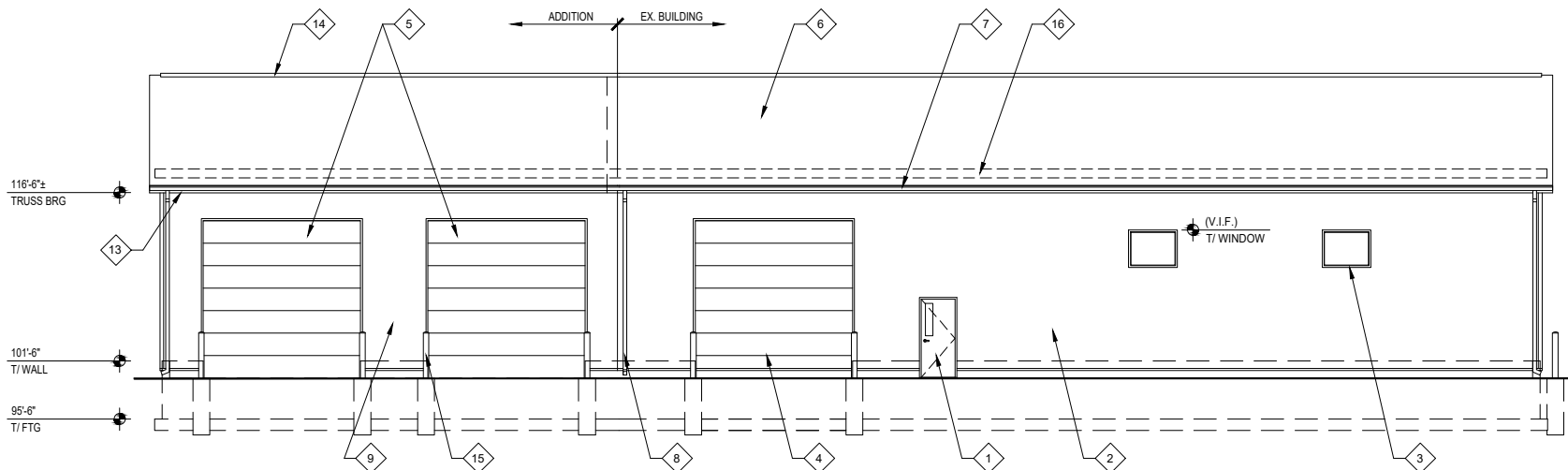


GENERAL NOTES

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- EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED, IN PART, FROM EXISTING DOCUMENTATION, FIELD MEASUREMENTS, AND INFORMATION PROVIDED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACCURACY OF INFORMATION AS REQUIRED TO ACCOMMODATE REMOVALS & NEW CONSTRUCTION.
- A SITE SPECIFIC GEOTECHNICAL INVESTIGATION WAS NOT CONDUCTED FOR THIS PROJECT. FLOOR SLAB BEARING AREAS SHALL BE PREPARED AS SHOWN TO PROVIDE MINIMUM SUB-GRADE MODULUS 150 PCI.
- VERIFY SIZE AND LOCATION OF ANY AND ALL ROOF, FLOOR, AND WALL OPENINGS WITH MECHANICAL, HVAC AND ELECTRICAL CONTRACTORS. OPENINGS LESS THAN 12 INCHES IN DIMENSION ARE GENERALLY NOT SHOWN.
- REF. 5/100-AS-01 FOR CONCRETE REINFORCING LAP SPLICE TABLE AND REINFORCING CLEAR COVER REQUIREMENTS.
- REF. 2/100-AS-01 FOR CONCRETE REINFORCING TYPICAL BAR BEND DETAILING.
- SEQUENCED CONCRETE PLACEMENT SHALL UTILIZE LAP SPLICES AS INDICATED IN 5/100-AS-01 EXCEPT WHERE APPROVED BY A/E IN ADVANCE WHERE DETAIL 1/100-AS-01 MAY BE PERMITTED.
- UNO, WOOD FASTENING SHALL BE COMPLETED IN ACCORDANCE WITH IBC 2015 TABLE 2304.9.1, REF. 1/100-AS-02.
- TRUSS COMPONENT DELEGATED DESIGN AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH PROVISIONS OF THE WISCONSIN DEPARTMENT OF ADMINISTRATIVE CODE, CHAPTER SPS 362 (CURRENT EDITION).
- G.C. SHALL SUBMIT THE FOLLOWING COMPONENT DESIGNS TO A/E: WOOD ROOF TRUSSES.
- NEW TRUSS WEB GEOMETRY SHALL BE AS DESIGNED BY TRUSS SUPPLIER.
- TRUSS DESIGN SUPERIMPOSED DEAD AND LIVE DESIGN LOADS:
DL: 16 PSF TOP CHORD, 4 PSF BOT. CHORD
LL: 25 PSF TOP CHORD, 5 PSF BOT. CHORD
- REF. 4/100-AS-02 FOR PERMANENT TRUSS BRACING REQUIREMENTS. BRACING INSTALLATION SHALL BE IN COMPLIANCE WITH "BUILDING COMPONENT SAFETY INFORMATION" (BCSI) MANUAL JOINTLY PRODUCED BY THE TRUSS PLATE INSTITUTE (TPI) AND STRUCTURAL BUILDING COMPONENTS ASSOCIATION (SBCA), 2013 EDITION, UPDATED MARCH 2015.
- INSTALL PERMANENT TRUSS BRIDGING AS RECOMMENDED BY TRUSS SUPPLIER.
- ALL WOOD IN CONTACT WITH CONCRETE SHALL BE PRESSURE-TREATED. SEAL NEW CONCRETE FLOORS WITH MIN. (2) COATS CLEAR FLOOR SEALER.

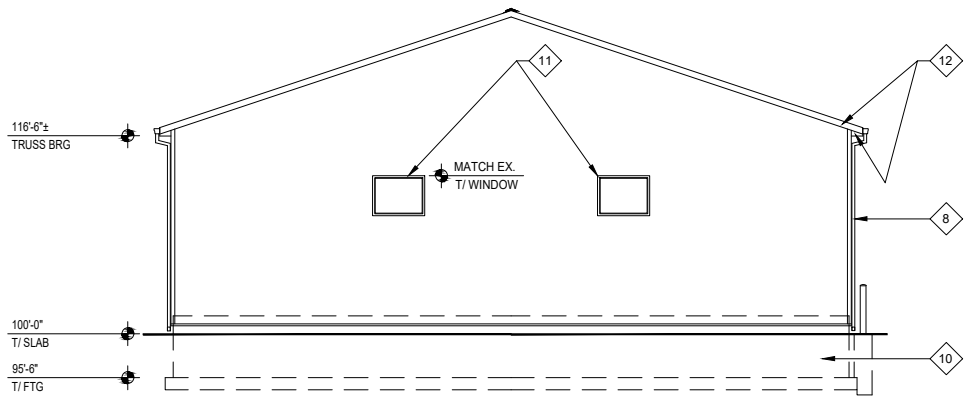
KEY NOTES

- CONCRETE SLAB-ON-GRADE:
6" THICKNESS, REINF. W/6X6 W2.9 X W2.9 WWF, FURNISH WWF IN FLAT SHEETS, CENTER IN SLAB, MIN. 6" OVERLAP WWF SHEET EDGES, REF. 1/AS-05 FOR SUB-GRADE PREP. & POLY VAPOR RETARDER REQUIREMENTS
- CONCRETE SLAB CONTROL JOINT (C.J.), SAW-CUT WITHIN 12 HRS CONCRETE PLACEMENT/FINISHING, REF. 4/100-AS-01
- T/WALL ELEVATION LOWERED TO 8" AT O.H.D. DOOR AND EX. WALL OPENINGS TO ALLOW NEW SLAB OVER-POUR
- INFILL EX. WALL OPENING AT (2) LOCATIONS, REINF. DOWEL NEW-TO-EX. CONCRETE WITH (4) #4 H&V BARS EA. DIR., DRILL & EPOXY MIN. 6" EMBED., CENTER IN WALL, TYP.
- CATCH BASIN (CB) AND FLOOR DRAIN (FD), SLOPE FLOOR AS INDICATED, T/GRATE AND T/FD EL. AS SHOWN, ALSO REF. PLUMBING DWGS
- WOOD COMMON TRUSSES AT 24" O.C., MATCH EX. BLDG ROOF SLOPE, ASSUMED SLOPE 4:12, V.I.F.
- STEP-DOWN WOOD END WALL TRUSS, TYP. (2) LOC.
- TRUSS BEARING ON 6" WOOD-FRAMED BEARING WALL BELOW
- 2X4 LOOKOUTS @ 24" O.C.
- 19/32" STRUCTURAL USE OSB SHEATHING, SPAN RATING 48/24, SPAN PERPENDICULAR TO TRUSSES, STAGGER JOINTS
- WOOD FASCIA ALL AROUND, MATCH PROFILE EX. BUILDING
- 22"x32" ATTIC ACCESS IN CEILING, PROVIDE METAL TRIMMED OPENING, RIBBED METAL PANEL & 3" MIN. POLYSTYRENE ON ATTIC SIDE, GRAVITY MOUNTED, ALL METAL FACTORY PRE-FINISHED, TYP. (2) LOC. SHOWN
- CONT. METAL RIDGE VENT ABOVE (DASHED LINE)
- SIMPSON STRONG-TIE "H2.5" (OR EQ.) HOLD-DOWN ANCHOR, EA. TRUSS BRG. OPTION: USE (1) MITEK "TIMBERLOK" THROUGH DOUBLE TOP PLATE INTO BOT. CHORD TRUSS AT EA. TRUSS AND/OR LOOKOUT BEARING (MIN. SERVICE CAPACITY UPLIFT = 420#, SHEAR = 320# EA. ANCHOR)
- HEADER OVER OPENING, SIZE AS INDICATED
- MECHANICAL HOLD-DOWN ANCHOR AT GARAGE PORTAL, TYP. WHERE SYMBOL  SHOWN, ATTACH SHEATHING AT PORTAL WITH MIN. 4" FASTENER SPACING AT PANEL EDGES AND BLOCKED DIAPHRAGM, ANCHOR SIMPSON STRING-TIE HDU5-SDS2.5 OR APPROVED EQUAL, REF. 3/100-AS-01, TYP.
- EX. CONCRETE STEM/FROST WALL TO REMAIN
- FLOOR SURFACE PITCH AS SHOWN
- EX. CONCRETE WALL FOOTING BELOW TO REMAIN
- EX. CONCRETE SLAB-ON-GRADE FLOOR AT EX. BUILDING TO REMAIN, PROVIDE FOR ALL WORK ASSOCIATED WITH SAW-CUTTING & REMOVAL OF EX. FLOOR SLAB AS REQUIRED TO ACCOMMODATE SCOPE OF WORK ASSOCIATED WITH PLUMBING AND/OR ELECTRICAL TRADES, REF. "P" AND "E" DWGS, AS APPLICABLE, ALSO REF. 7/100-AS-01
- NEW CONCRETE-FILLED STEEL PIPE BOLLARD WHERE SHOWN
- EX. WOOD-FRAMED ROOF SYSTEM TO REMAIN, VERIFY IN FIELD (V.I.F.) AT TIME OF CONSTRUCTION
- FASTEN WSP1 TO EX. WOOD STUD WALL SYSTEM, FASTENER SPACING MAX. 6" O.C., FULL HEIGHT, TYP. EA. SIDE AT NEW-TO-EX. CONSTRUCTION GRIND EX. SLAB SURFACE AS NECESSARY TO PROVIDE SMOOTH TRANSITION FROM NEW-TO-EX. CONCRETE FLOOR



EAST ELEVATION

2



SOUTH ELEVATION

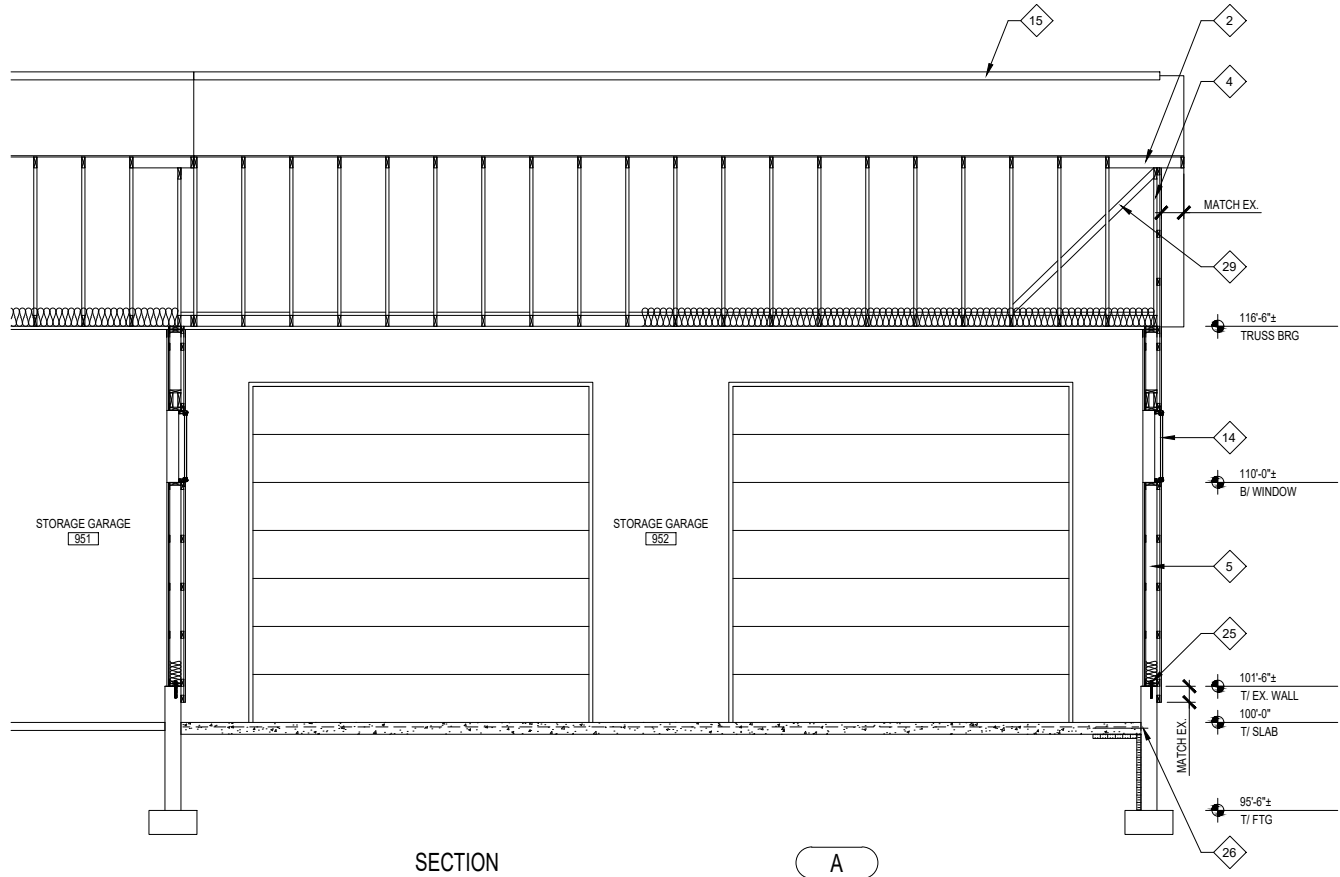
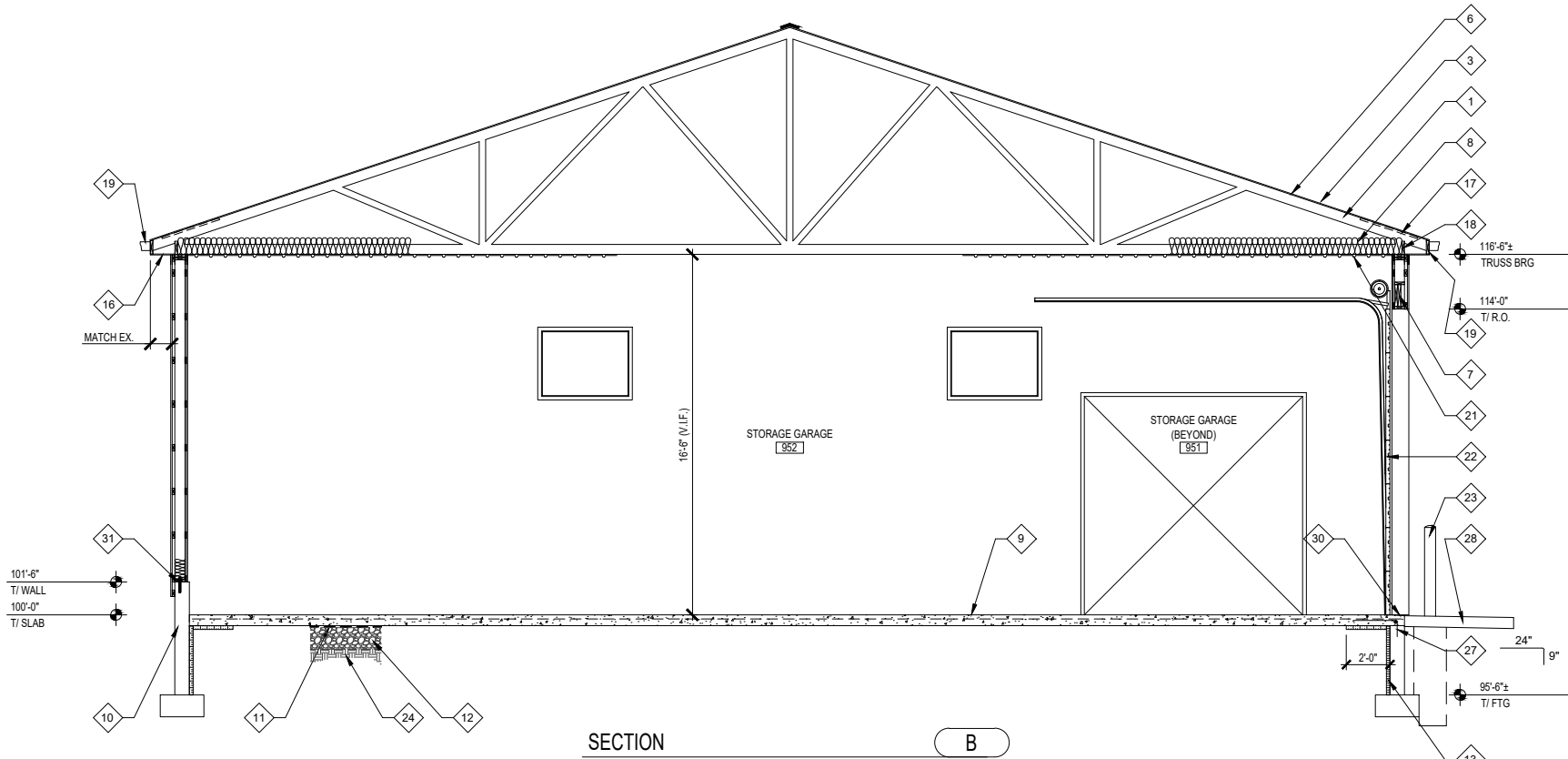
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GENERAL NOTES

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2. EXISTING INFORMATION SHOWN ON DRAWINGS WAS OBTAINED, IN PART, FROM EXISTING DOCUMENTATION, FIELD MEASUREMENTS AND INFORMATION PROVIDED BY OTHERS. CONTRACTOR IS RESPONSIBLE FOR VERIFYING ACCURACY OF INFORMATION AS REQUIRED TO ACCOMMODATE REMOVALS & NEW CONSTRUCTION.

KEY NOTES

1. EX. HOLLOW METAL DOOR & FRAME TO REMAIN (REQUIRED EXIT)
2. EX. METAL PANEL WALL SYSTEM TO REMAIN
3. EX. FIXED THERMOPANE WINDOW SYSTEM TO REMAIN
4. EX. SECTIONAL INSULATED O.H.D. SYSTEM TO REMAIN
5. NEW SECTIONAL INSULATED METAL O.H.D. SYSTEM, REF. 95-AS-01 FOR ADDITIONAL INFORMATION, TYP. (2) LOCATIONS
6. NEW RIBBED METAL ROOF SYSTEM, ENTIRE EX. BLDG & ADDITION, REF. SPECIFICATIONS & APPLICABLE NOTES FOR UNDERLAYMENT, DRIP EDGE, FLASHING, AND ICE & WATER SHIELD REQUIREMENTS
7. NEW FACTORY-FINISHED SEAMLESS TYPE-K COMMERCIAL METAL GUTTER, 6"W.
8. NEW FACTORY-FINISHED 3" X 4" DOWNSPOUT SYSTEM
9. NEW VERTICAL RIB METAL SIDING SYSTEM TO MATCH EX. BLDG, MATCH RIB PROFILE, GAUGE AND COLOR, CURRENT EX. SYSTEM BY MCELROY METAL, TYP.
10. EX. CAST-IN-PLACE CONCRETE FOUNDATION
11. NEW ALUM. CLAD WINDOWS TO MATCH EX. INSTALL AT HEIGHT TO MATCH EX.
12. FACTORY-FINISHED VENTED ALUMINUM SOFFIT TO MATCH EX. BLDG, TYP. AT NEW ROOF SYSTEM
13. NEW FACTORY-FINISHED ALUMINUM CLAD FASCIA SYSTEM, TYP.
14. NEW CONT. FACTORY-FINISHED METAL RIDGE VENT, TYP. AT NEW METAL ROOFING
15. EX. BLDG & ADDITION
16. NEW PIPE BOLLARD, TYP.
17. INSTALL SNOW GUARD CLEATS ALONG ACCESS POINTS (ENTIRE EAST ELEVATION NEW ROOFING AS SHOWN BY DASHED LINE AREA), 'MINI SNOW GUARD' WITH GASKET AS SCREWS AS MANUFACTURED / SUPPLIED BY SNOWGUARDIRECT.COM, OR APPROVED EQUAL, INSTALL PER MANUFACTURER RECOMMENDATIONS, SET GASKET / FASTENERS IN CLEAR SILICONE SEALANT

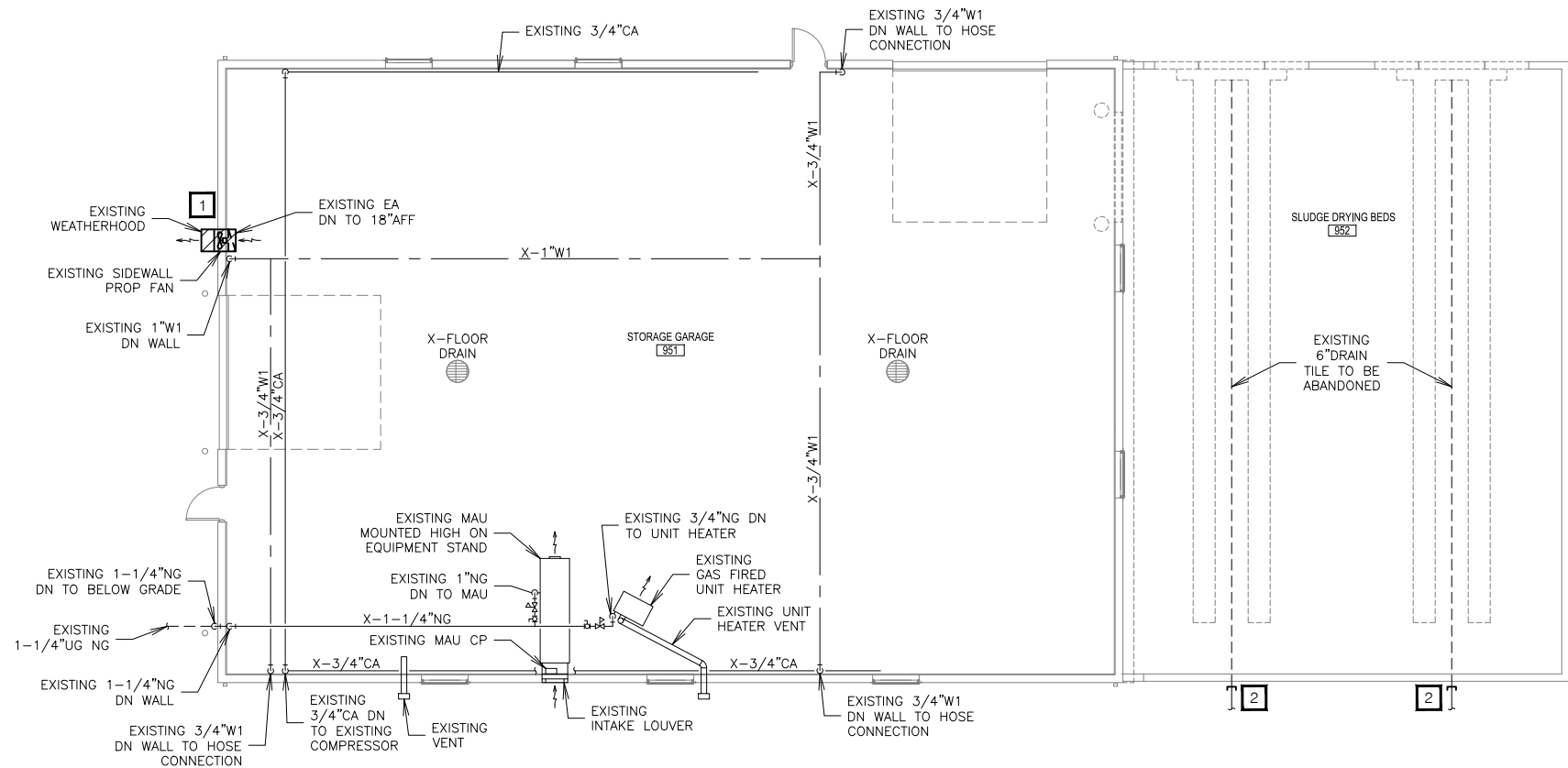


GENERAL NOTES

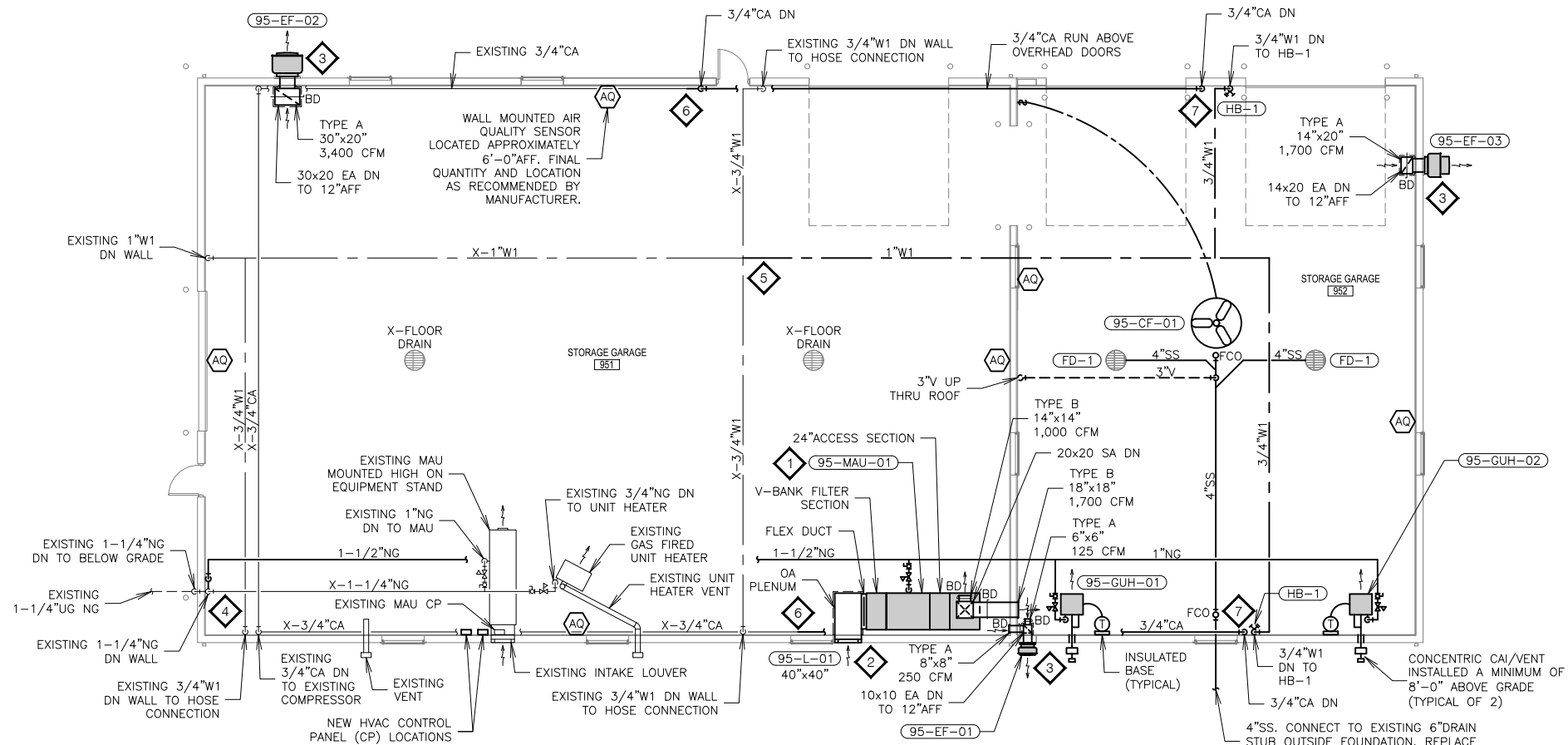
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3. TRUSS PROFILES MAY VARY FROM THAT SHOWN, NEW TRUSS WEB GEOMETRY SHALL BE AS DESIGNED BY TRUSS SUPPLIER.

KEY NOTES

1. WOOD ROOF TRUSSES @ 24" O.C.
2. 2X LOOK-OUTS AT 16" O.C.
3. FACTORY-FINISHED RIBBED METAL ROOF SYSTEM, REF. SPECIFICATION
4. DROPPED GABLE ENDWALL TRUSSES
5. WALL SYSTEM (INSIDE-TO-OUTSIDE): 24 GA. VERT. RIBBED METAL PANEL CLADDING, 6 MIL. POLY VAPOR RETARDER, 2X8 WOOD STUD WALL SYSTEM W/ SPACING 16" O.C. MAX., R19 FACED BATT INSULATION INFILL STUD SPACE, 15/32" O.S.B. SHEATHING, TYVEK (OR EQ.) AIR-INFILTRATION BARRIER, HOR. 2X4 SLEEPER GIRTS FOR METAL PANEL ATTACHMENT, FACTORY-FINISHED VERTICAL RIB METAL PANEL WALL SHEETING SYSTEM WITH ASSOCIATED TRIM & COPINGS TO MATCH EX. BLDG, REF. 3/100-AS-02 FOR TYPICAL STUD WALL CONSTRUCTION DETAILING
6. 19/32" OSB SHEATHING
7. WOOD HEADER, REF. ROOF FRAMING PLAN
8. R42 BLOWN-IN INSULATION OVER 6 MIL POLY VAPOR RETARDER
9. CONCRETE SLAB-ON-GRADE
10. EX. CONCRETE FROST-WALL AND CONT. FOOTING SYSTEM
11. 10 MIL POLY VAPOR RETARDER, TYP. IMMEDIATELY BELOW NEW INTERIOR SLAB-ON-GRADE FLOORS
12. MIN. 6" COMPACTED CRUSHED AGGREGATE SUB-BASE
13. EXCAVATE & INSTALL NEW 2" POLYSTYRENE INSULATION TO MIN. 48" BELOW GRADE, TYP. AT EAST, SOUTH AND WEST PERIM WALLS
14. NEW ALUM. CLAD THERMOPANE WINDOW, MATCH EX. WINDOW SIZE AND INSTALLATION HEIGHT, TYP. AT (3) LOC.
15. CONT. METAL RIDGE VENTING SYSTEM
16. FACTORY-FINISHED VENTED METAL SOFFIT SYSTEM TO MATCH EX. BLDG.
17. VENT CHUTE EA. TRUSS SPACE
18. 2X8 INSULATION-STOP BETWEEN TRUSSES
19. NEW FACTORY-FINISHED METAL FASCIA CLADDING
20. NEW FACTORY-FINISHED METAL COMMERCIAL GRADE 6" TYPE-K SEAMLESS GUTTER SYSTEM
21. 29 GA. FACTORY-FINISHED RIBBED METAL PANEL CEILING SYSTEM ATTACHED DIRECTLY TO TRUSS BOTTOM CHORDS, INSTALL 6 MIL POLY VAPR RETARDER TO UNDERSIDE TRUSS CHORDS PRIOR TO INSTALLING METAL PANEL CEILING SYSTEM
22. INSULATED SECTIONAL OVERHEAD DOOR SYSTEM
23. PIPE BOLLARD
24. SUB-GRADE PREPARED AS SPECIFIED
25. 1/2" DIA. GALVANIZED DRILL & EPOXY ANCHOR BOLTS AT 32" O.C. MAX. SPACING, 6" EMBED. INTO EX. CONC. STEM WALL, INSTALL WITH 3" SQ. X 1/4" T. PLATE WASHER, TYP.
26. #4 X 24" DRILL & EPOXY DOWELS ALL AROUND, 5" EMBED. INTO EX. CONCRETE WALL, CENTER IN NEW SLAB
27. #4 BENT DOWELS @ 16" O.C., DRILL & EPOXY, 6" EMBED. INTO EX. CONC.
28. CONCRETE APRON TRANSITION TO MEET EX. ASPHALT AT OWNER'S OPTION: REQUIRES BIT. ASPHALT PAVEMENT SAW-CUT & REMOVAL, AS NECESSARY, COORD. WITH ENGINEER IF OPTION SELECTED
29. GABLE ENDWALL PERMANENT LATERAL BRACING
30. PITCH DOWNWARD 1/2" TOWARD EXTERIOR AND PROVIDE BROOM FINISH
31. SET BOTTOM WOOD PLATE ON CONTINUOUS SILL SEALER, TYP.



PLUMBING/HVAC REMOVAL PLAN
GROUND LEVEL



PLUMBING/HVAC PLAN
GROUND LEVEL

- REMOVAL NOTES**
1. REMOVE EXISTING SIDEWALL PROP FAN AND WEATHERHOOD ALONG WITH ALL ASSOCIATED DUCTWORK, WIRING AND CONTROL. PATCH WALL OPENING TO MATCH EXISTING.
 2. ABANDON/CAP EXISTING 6\"/>
- KEY NOTES**
1. MOUNT NEW MAKE-UP AIR UNIT (95-MAU-01) ON CONCRETE HOUSEKEEPING PAD ON 24\"/>
 2. TOP OF NEW LOUVER SHALL BE AT A HEIGHT OF 5'-8\"/>
 3. TOP OF NEW WALL OPENING SHALL BE AT A HEIGHT OF 12'-0\"/>
 4. CONNECT NEW 1-1/2\"/>
 5. CONNECT NEW 1\"/>
 6. CONNECT NEW 3/4\"/>
 7. TERMINATE 3/4\"/>



CEILING FANS													
MARK	MANUFACTURER	MODEL	LOCATION	BLADE DIAMETER (FT)	AIR DELIVERY (CFM)	AREA OF COVERAGE (SQ FT)	FAN RPM	COLOR	WEIGHT	UNIT ELECTRICAL			REMARKS
										FULL LOAD WATTS	FULL LOAD AMPS	VOLTS / PH	
95-CF-01	LEADING EDGE	60001	GARAGE 952	5	46,000	5,000	315	WHITE	30 LBS	160	1.4	115V / 1Ø	1, 2
1. PROVIDE WITH WALL MOUNTED SPEED CONTROL SWITCH. 2. PROVIDE WITH 24" DOWNROD.													

GAS FIRED MAKEUP AIR UNITS																				
MARK	MANUFACTURER	MODEL	SERVICE	SUPPLY FAN					HEATING			FILTERS	UNIT ELECTRICAL			PHYSICAL DATA				REMARKS
				SUPPLY AIR (CFM)	ESP (IN WC)	MOTOR HP	BHP	RPM	INPUT (MBH)	OUTPUT (MBH)	STAGES		MCA	MOP	VOLTS / PH	LENGTH	WIDTH	HEIGHT	WEIGHT (LBS)	
95-MAU-01	GREENHECK	DGX-P116-H22-MF	GARAGE 951 & 952	2,700	0.5	1 1/2	0.91	1,366	400	368	MODULATING	ALUMINUM	13.1	20	230V / 1Ø	136"	44"	45"	1,000	1, 2, 3, 4, 5, 6, 7
1. PROVIDE DISCONNECT SWITCH. 2. UNIT TO BE PROVIDED WITH INTEGRAL STARTER. 3. PROVIDE INLET DAMPER. 4. PROVIDE CONTROLS ON ACCESSIBLE SIDE OF UNIT. 5. MOUNT UNIT ON 24" TALL CONTRACTOR FABRICATED PAINTED STEEL SUPPORT STAND. 6. PROVIDE V-BANK FILTER SECTION 7. PROVIDE 24"ACCESS SECTION AS REQUIRED TO PROVIDE SINGLE SIDED SERVICE ACCESS.																				

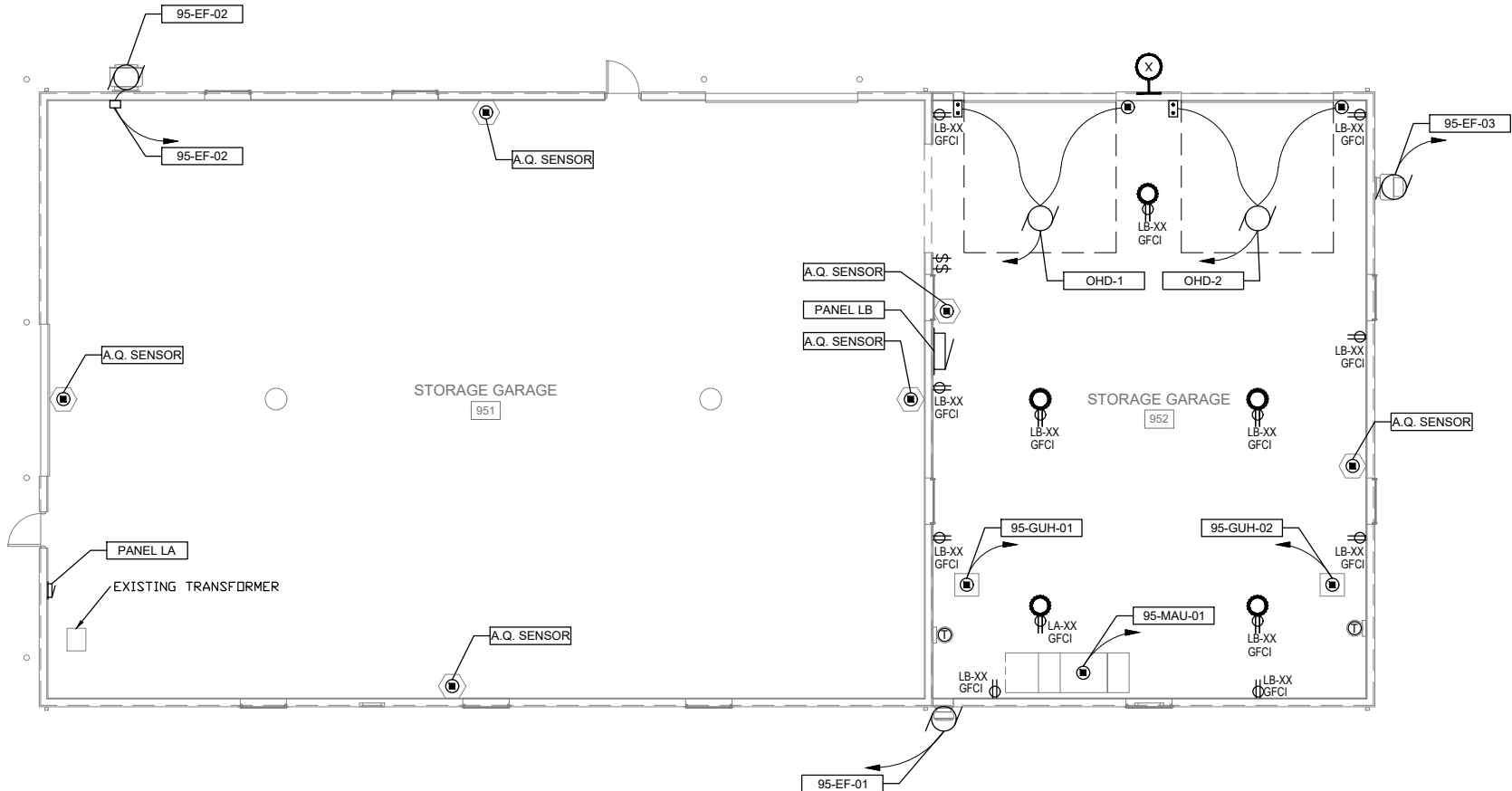
FANS																
MARK	MANUFACTURER	MODEL	SERVICE	LOCATION	CONSTRUCTION			AIR			ELECTRICAL			WEIGHT (LBS)	SONES	REMARKS
					TYPE	FAN MATERIAL	DRIVE	AIRFLOW (CFM)	ESP (IN WC)	RPM	HP	BHP	VOLTS / PH			
95-EF-01	GREENHECK	CUE-090-VG	GARAGE 951 & 952	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	375	0.25	1,308	1/10	0.05	115V / 1Ø	30	5.6	1, 2, 3, 4
95-EF-02	GREENHECK	CUE-180-B	GARAGE 951	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	3,400	0.25	1,140	1	0.91	230V / 1Ø	120	15.8	1, 2, 3
95-EF-03	GREENHECK	CUE-140-VG	GARAGE 952	EXTERIOR WALL	SIDEWALL	ALUMINUM	DIRECT	1,700	0.25	1,102	1/2	0.25	115V / 1Ø	90	10.4	1, 2, 3, 4
1. PROVIDE GRAVITY BACKDRAFT DAMPER. 2. PROVIDE FACTORY MOUNTED AND WIRED DISCONNECT SWITCH. 3. PROVIDE KYNAR FINISH. COLOR SELECTION BY ARCHITECT. 4. PROVIDE VARI-GREEN EC MOTOR WITH DIAL SPEED CONTROL MOUNTED ON MOTOR FOR BALANCNG PURPOSES.																

LOUVERS													
MARK	MANUFACTURER	MODEL	SERVICE	CFM	CONSTRUCTION		SIZE			MAX FREE AREA VELOCITY (FPM)	MAX PRESSURE DROP (IN WC)	FINISH	REMARKS
					TYPE	MATERIAL	WIDTH	HEIGHT	DEPTH				
95-L-01	GREENHECK	ESK-402	95-MAU-01	2,700	INTAKE	ALUMINUM	40"	40"	4"	689	0.08	70% KYNAR	1, 2
1. COLOR SELECTION BY ARCHITECT. 2. PROVIDE WITH BIRD SCREEN.													

GAS FIRED UNIT HEATERS											
MARK	MANUFACTURER	MODEL	NATURAL GAS INPUT (MBH)	MINIMUM EFFICIENCY	CFM	MOTOR		ELECTRICAL		OPERATING WEIGHT	REMARKS
						HP	RPM	AMPS	VOLTS / PH		
95-GUH-01	MODINE	HDS SIZE 75	75	82%	1,160	1/12	1,625	3.3	115V / 1Ø	85 LBS	1, 2, 3
95-GUH-02	MODINE	HDS SIZE 75	75	82%	1,160	1/12	1,625	3.3	115V / 1Ø	85 LBS	1, 2, 3
1. PROVIDE DISCONNECT. 2. PROVIDE CONCENTRIC COMBUSTION AIR INTAKE/VENT KIT. 3. MOUNT HEATER SUCH THAT THE BOTTOM OF THE UNIT IS AT A HEIGHT OF 8'-0"AFF.											

DIFFUSERS AND GRILLES										
TYPE	MANUFACTURER	MODEL	TYPE	SERVICE	MATERIAL				FINISH	REMARKS
						BLADES		MOUNTING / FRAME		
						SPACING	ANGLE			
A	CONTR. FABRICATED	-	-	EXHAUST	STAINLESS STEEL	-	-	DUCT	MILL	1
B	TITUS	132RS	DOUBLE DEFLECTION	SUPPLY	ALUMINUM	3"	-	SIDEWALL	WHITE	
1. 1" x 1" STAINLESS STEEL SCREENING WITH STAINLESS STEEL FRAMED BORDER.										

PLUMBING FIXTURE SCHEDULE							
MARK	MANUFACTURER	MODEL	DESCRIPTION	WSFU			DFU
				HW	CW	TOTAL	VALUE
FD-1	JR SMITH	2142	4"FLOOR DRAIN, DUCO CAST IRON BODY AND FLASHING COLLAR WITH 12" ROUND HEAVY DUTY DUCTILE IRON TRACTOR GRATE AND REMOVEABLE SOLID FREE STANDING SEDIMENT BUCKET.	NA	NA	NA	4.0
HB-1	WOODFORD	24	NON-FREEZE AREA, ANTI-SIPHON VACUUM BREAKER PROTECTED WALL FAUCET, 3/4" MALE HOSE THREAD NOZZLE, BRASS VALVE BODY, ONE PIECE VALVE PLUNGER, HARDENED STAINLESS STEEL OPERATING STEM AND METAL WHEEL HANDLE. PROVIDE WITH POLISHED CHROME FINISH.	NA	4.0	4.0	NA



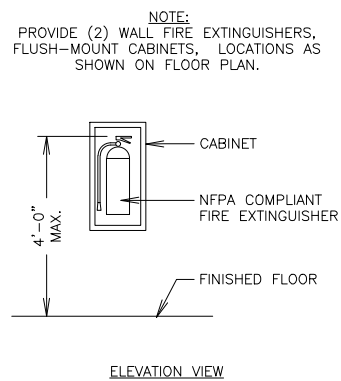
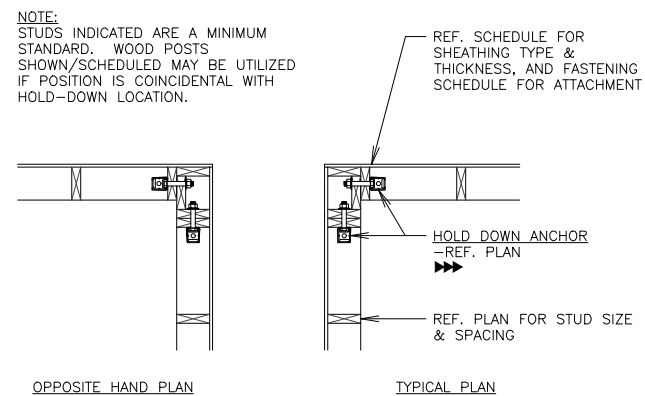
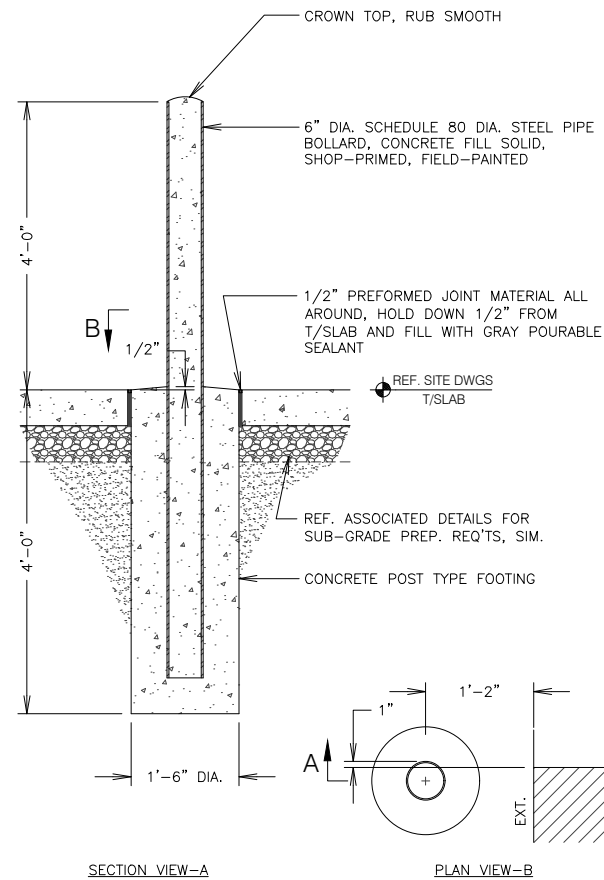
THREE PHASE PANEL SCHEDULE										95-LB									
TYPE: LIGHTING & APPLIANCE										BUS AMPCITY: 100A									
VOLTAGE 240 /120 - 3P4W										MAIN CIRCUIT BREAKER: 100A									
MOUNT: SURFACE										SUB-FEED LUGS: NONE									
SINGLE TUB										INTERRUPTING CAPACITY: 10 KAIC									
1	DESCRIPTION	LOAD	BKR	A	B	C	BKR	LOAD	DESCRIPTION	2	DESCRIPTION	LOAD	BKR	A	B	C	BKR	LOAD	DESCRIPTION
3	LIGHTS, RM 952	20/1	3.0	***	***	***	20/1	3.00	95-EF-01	4	95-EF-03	20/1	10.00	***	***	***	20/1	10.00	95-EF-03
5	LIGHTS, EXTERIOR	20/1	***	***	***	***	20/1	3.30	95-GUH-01	6	95-GUH-02	20/1	3.30	***	***	***	20/1	3.30	95-GUH-02
7	SPARE	20/1	***	***	***	***	20/1	0.0	92-MAU-01	10	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
9	RECPT, RM 952, SOUTH, WEST	20/1	3.3	***	***	***	20/1	3.30	92-MAU-01	12	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
11	RECPT, RM 952, EAST	20/1	***	***	***	***	20/1	0.0	92-MAU-01	14	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
13	SPARE	20/1	***	***	***	***	20/1	0.0	92-MAU-01	16	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
15	OHD-1	20/1	0.0	***	***	***	20/1	0.0	92-MAU-01	18	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
17	OHD-2	20/1	***	***	***	***	20/1	0.0	92-MAU-01	20	SPARE	20/1	0.0	***	***	***	20/1	0.0	SPARE
19	SPACE								92-MAU-01	22	SPACE								SPACE
21	SPACE								92-MAU-01	24	SPACE								SPACE
23	SPACE								92-MAU-01	26	SPACE								SPACE
25	SPACE								92-MAU-01	28	SPACE								SPACE
27	SPACE								92-MAU-01	30	SPACE								SPACE
29	SPACE								92-MAU-01										
TOTAL AMPS / PHASE: 6.3 10.0 3.3										TOTAL CONNECTED KVA: 2.7									
KVA / PHASE: 0.9 1.4 0.5																			



GENERAL NOTES

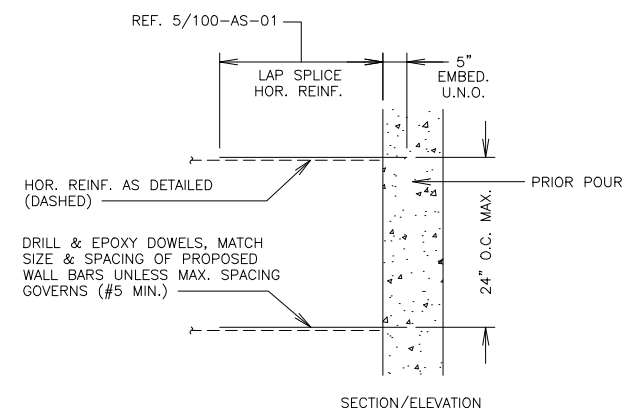
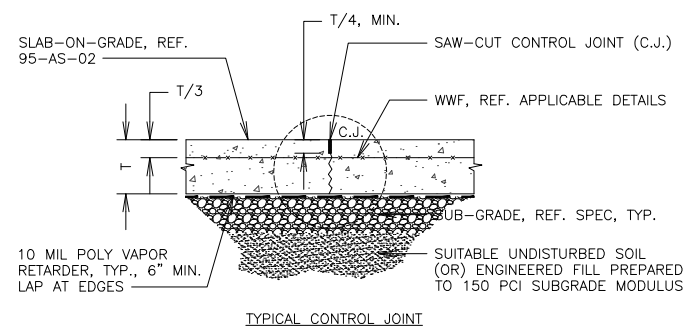
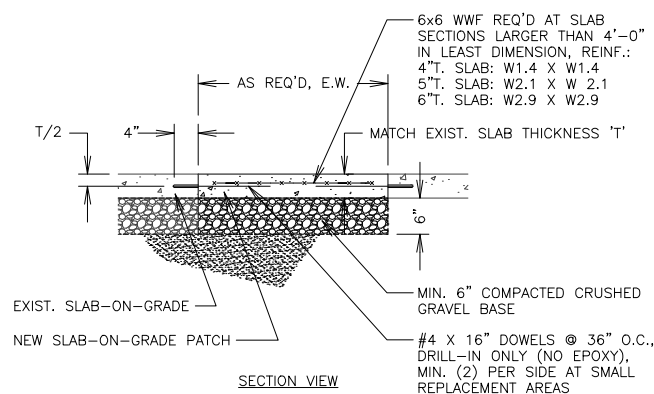
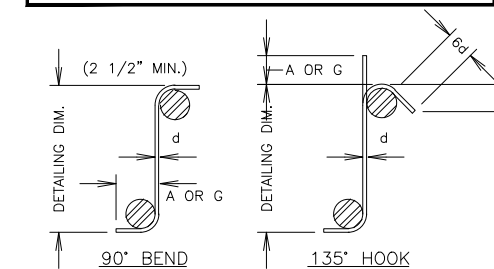
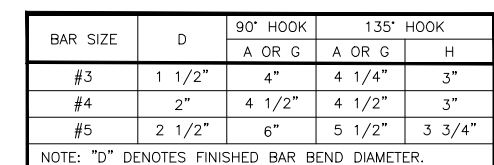
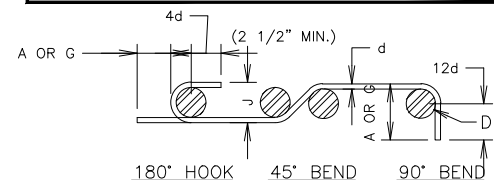
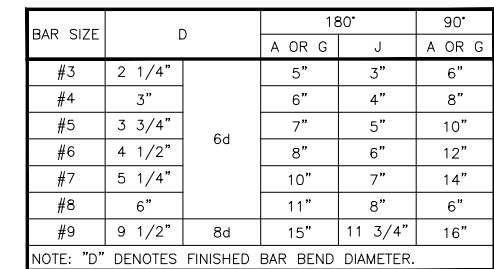
- DO NOT SCALE DRAWINGS TO DETERMINE EXACT LOCATION OF ELECTRICAL EQUIPMENT AND CONNECTIONS.
- 120V HOMERUN WIRING SHALL BE A MINIMUM OF (2) #12 & #12G IN 3/4"C UNLESS OTHERWISE NOTED. SIZE FOR VOLTAGE DROP.
- SEE ONE-LINE DIAGRAM, PANEL SCHEDULE, AND FIELD DEVICE WIRING SCHEDULE FOR WIRING OF ALL PROCESS AND INSTRUMENTATION.
- PROVIDE RACEWAY FOR ALL HVAC EQUIPMENT. PROVIDE WIRING FOR LINE VOLTAGE AND ABOVE POWER AND CONTROL WIRING.
- INSTALL FIELD INSTRUMENTS PER DETAIL REFERENCED IN FIELD DEVICE WIRING SCHEDULE.
- ALL CONDUIT STUBBED UP THROUGH CONCRETE SHALL BE PVC COATED GRS.
- SEE SCADA OVERVIEW FOR COMMUNICATIONS CABLING REQUIREMENTS.

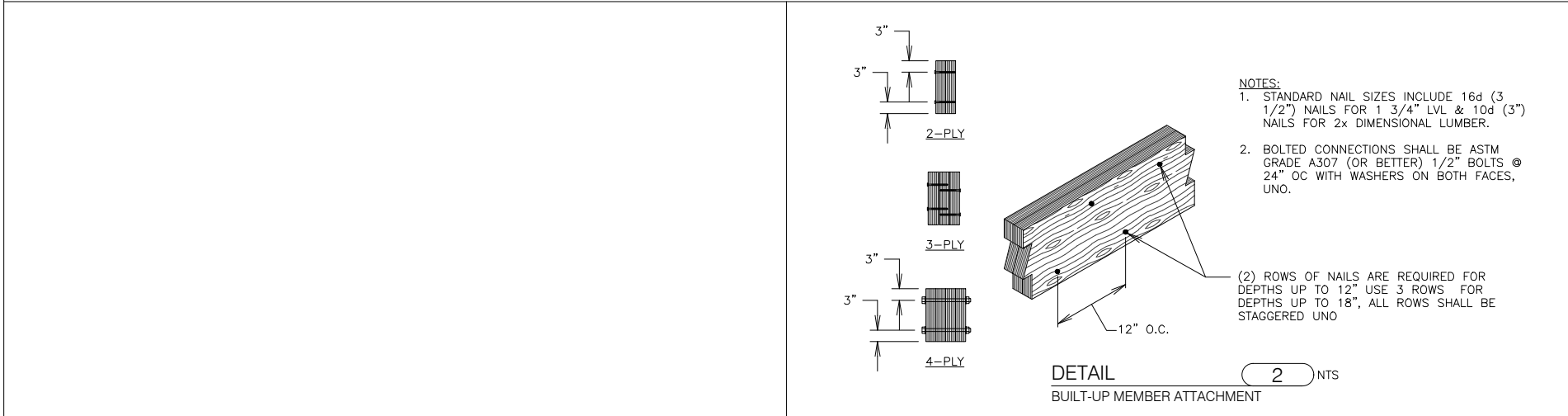
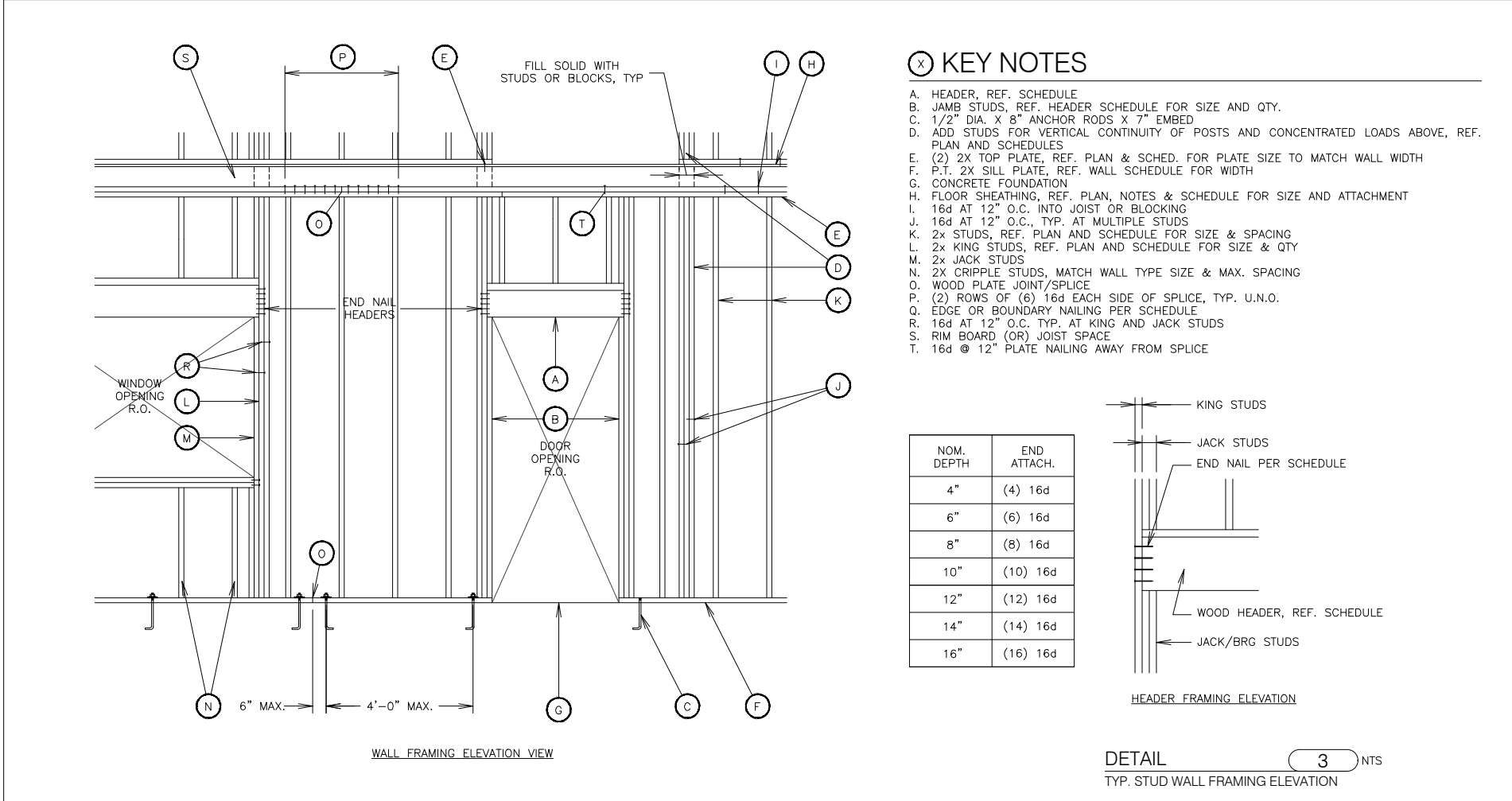
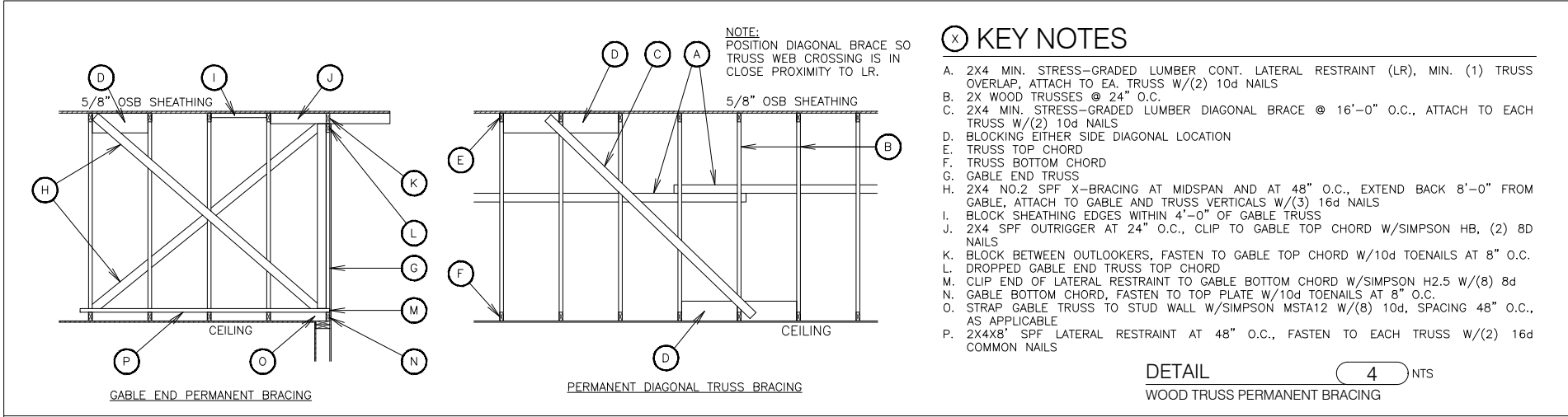
ELECTRICAL PLAN
GROUND LEVEL



CLASS-B TENSION LAP SPICE SCHEDULE														
CLASS BAR SIZE	COL. (N/A)		FOUNDATIONS						SLABS					
			f'c = 4 KSI			f'c = 5 KSI			f'c = 4 KSI			f'c = 5 KSI		
	f'c = 4 KSI	f'c = 5 KSI	BOT. BARS	TOP BARS	*TOP BARS	BOT. BARS	TOP BARS	*TOP BARS	BOT. BARS	TOP BARS	*TOP BARS	BOT. BARS	TOP BARS	*TOP BARS
#3	16	16	16	18	24	16	16	21	16	18	24	16	16	21
#4	19	17	19	24	32	17	22	28	19	24	32	17	22	28
#5	23	21	23	30	40	21	27	35	23	30	40	21	27	35
#6	28	25	28	36	47	25	33	42	28	36	47	25	33	42
#7	33	29	33	42	55	29	38	50	33	43	57	30	39	51
#8	39	35	39	51	67	35	46	60	44	57	75	39	51	67
#9	50	44	50	64	84	44	58	75	56	72	94	50	65	84
#10	88	79	63	82	107	56	73	96	70	92	120	63	82	107
#11	108	97	77	100	131	69	90	117	86	112	147	77	101	131

NOTES:
1. * DENOTES EPOXY-COATED REINFORCING, AS APPLICABLE WHERE INDICATED ON DWGS ONLY.





FASTENING SCHEDULE (WOOD)		
CONNECTION	FASTENING (NOTE-1)	LOCATION
JOIST TO SILL OR GIRDER	(3)-8d	TOENAIL
BRIDGING TO JOIST	(2)-8d	TOENAIL EA. END
TO 1"x6" SUBFLOOR OR LESS TO EACH JOIST	(2)-8d	FACE NAIL
WIDER THAN 1"x6" SUBFLOOR TO EACH JOIST	(3)-8d	FACE NAIL
2" SUBFLOOR TO JOIST OR GIRDER	(2)-16d	BLIND & FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	16d AT 16" O.C.	TYPICAL FACE NAIL
SOLE PLATE TO JOIST OR BLOCKING	(3)-16d	BRACED WALL PANELS
TOP PLATE TO STUD	(2)-16d	END NAIL
STUD TO SOLE PLATE	(4)-8d (OR) (2)-16d	TOENAIL END NAIL
DOUBLE STUDS	16d AT 24" OC	FACE NAIL
DOUBLE TOP PLATES	16d AT 16" OC (8)-16d	TYPICAL FACE NAIL LAP SPLICE
BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3)-8d	TOENAIL
RIM JOIST TO TOP PLATE	8d AT 6" OC	TOENAIL
TOP PLATES, LAPS AND INTERSECTIONS	(2)-16d	FACE NAIL
CONTINUOUS HEADER, TWO PIECES	16d AT 16" OC	EA. EDGE
CEILING JOISTS TO PLATE	(3)-8d	TOENAIL
CONTINUOUS HEADER TO STUD	(4)-8d	TOENAIL
CEILING JOISTS, LAPS OVER PARTITIONS	(3)-16d	FACE NAIL
CEILING JOISTS TO PARALLEL RAFTERS	(3)-16d	FACE NAIL
RAFTER TO PLATE	(3)-8d	TOENAIL
1" BRACE TO EACH STUD AND PLATE	(2)-8d	FACE NAIL
1"x8" SHEATHING OR LESS TO EACH BEARING	(2)-8d	FACE NAIL
WIDER THAN 1"x8" SHEATHING TO EACH BEARING	(3)-8d	FACE NAIL
BUILT-UP CORNER STUDS	16d AT 24" OC	-
BUILT-UP GIRDER AND BEAMS	20d AT 32" OC T&B, STAGGERED (2)-20d AT ENDS & SPLICES	FACE NAIL
COLLAR TIE TO RAFTER	(3)-10d	FACE NAIL
JACK RAFTER TO HIP	(3)-10d (2)-16d	TOENAIL FACE NAIL
ROOF RAFTER TO 2X RIDGE BEAM	(2)-16d (2)-16d	TOENAIL FACE NAIL
JOIST TO BAND JOIST	(3)-16d	FACE NAIL
LEDGER STRIP	(3)-16d	FACE NAIL
WOOD STRUCTURAL PANELS AND PARTICLE BOARD, (NOTE-2) SUBFLOOR, ROOF AND WALL SHEATHING (TO FRAMING) 1/2" AND LESS 19/32"-3/4" 1/8"-1" 1 1/8"-1 1/4"	6d (NOTE-3) 8D (NOTE-4) OR 6D (NOTE-5) 8D (NOTE-3) 10D (NOTE-4) OR 8D (NOTE-5)	-
COMBINATION SUBFLOOR-UNDERLAYMENT (TO FRAMING) 3/4" AND LESS 1/8"-1" 1 1/8"-1 1/4"	6d (NOTE-5) 8D (NOTE-5) 10D (NOTE-4) OR 8D (NOTE-5)	-
PANEL SIDING (TO FRAMING), (NOTE-2) 1/2" OR LESS 5/8"	6d (NOTE 6) 8D (NOTE 6)	-
OSB SHEATHING, (NOTE-7) 1/2" 25/32"	No. 11 GAGE (NOTE-8), 6d (NOTE-4) No. 16 GAGE (NOTE-9) No. 11 GAGE (NOTE-8), 8d (NOTE-4) No. 16 GAGE (NOTE-9)	-
INTERIOR PANELING 1/4" 3/8"	4d (NOTE-10) 6D (NOTE-11)	-

- NOTES:
- COMMON OR BOX NAILS MAY BE USED EXCEPT WHERE OTHERWISE NOTED.
 - NAILS SPACED AT 6" O.C. AT EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS EXCEPT 6" AT ALL SUPPORTS WHERE SPANS ARE 48" OR MORE FOR NAILING OF WOOD STRUCTURAL PANEL AND PARTICLE BOARD DIAPHRAGMS AND SHEAR WALLS, REFER TO SECTIONS 2315.3.3 AND 2315.4. NAILS FOR WALL SHEATHING MAY BE COMMON, BOX OR CASING.
 - COMMON OR DEFORMED SHANK.
 - COMMON.
 - DEFORMED SHANK.
 - CORROSION-RESISTANT SIDING OR CASING NAILS CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3.
 - FASTENERS SPACED 3" O.C. AT EXTERIOR EDGES AND 6" O.C. AT INTERMEDIATE SUPPORTS.
 - CORROSION-RESISTANT ROOFING NAILS WITH 7/16" DIAMETER HEAD AND 1 1/2" LENGTH FOR 1/2" SHEATHING AND 1 3/4" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF SECTION 2304.3.
 - CORROSION-RESISTANT STAPLES WITH NOMINAL 7/16" CROWN AND 1 1/8" LENGTH FOR 1/2" SHEATHING AND 1 1/2" LENGTH FOR 25/32" SHEATHING CONFORMING TO THE REQUIREMENTS OF 2304.3.
 - PANEL SUPPORTS AT 16" [20" IF STRENGTH AXIS IN THE LONG DIRECTION OF THE PANEL, UNLESS OTHERWISE MARKED]. CASING OR FINISH NAILS SPACED 6" O.C. ON PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS.
 - PANEL SUPPORT AT 24" O.C. CASING OR FINISH NAILS SPACED 6" O.C. ON PANEL EDGES, 12" O.C. AT INTERMEDIATE SUPPORTS.

DETAIL 1 NTS
WOOD FASTENING SCHEDULE

Village of Jackson

Highland Road Curb and Gutter with Sidewalk Project

North side of Highland Road for English Oaks Drive to End of Village Limits

Preliminary Assessment

July 20, 2023

Title	First Name	Last Name	City	State	ZIP Code	Physical Address	Mailing Address	Tax Key No	Linear Frontage	Concrete Curb & Gutter Cost per LF	Concrete Curb & Gutter Cost	Sidewalk Cost per LF	Sidewalk Cost	Total Assessment Amount	
Mr. & Mrs.	Steven & Sandra	Schultz	Jackson	WI	53037	N172 W19530 Highland Road	N172 N19530 Highland Road	V3 045303300F	120.00	\$30.00	\$3,600.00	\$8.75	\$1,050.00	\$4,650.00	
Mr. & Mrs.	Joseph & Jennifer	Serio	Jackson	WI	53037	N172 W19490 Highland Road	N172 N19490 Highland Road	V3 045303300G	125.00	\$30.00	\$3,750.00	\$8.75	\$1,093.75	\$4,843.75	
Mr. & Mrs.	Andrew & Stacey	Loosen	Jackson	WI	53037	N172 W19470 Highland Road	N172 N19470 Highland Road	V3 045303300G	105.00	\$30.00	\$3,150.00	\$8.75	\$918.75	\$4,068.75	
									350.00						\$13,562.50
													Total Cost of Project	\$110,352.15	
													Percentage Accessed	12.29%	

Village of Jackson

Sherman Road Sanitary Sewer Extension Project 2023

Oakland Drive to Maple Road

Preliminary Assessment

July 20, 2023

Title	First Name	Last Name	City	State	ZIP Code	Physical Address	Mailing Address	Tax Key No	Size of Parcel (Acres)	Residential Equivalent Unit (REU)	Sanitary Lateral Cost	Total Cost of REUs	Total Assessment Amount
Mr. & Mrs.	Albert & Brenna	Sunn	Jackson	WI	53037	W188 N15989 Maple Road	11633 W. Mill Street	V3 074900H	1.05	1	\$15,120.00	\$3,278.55	\$18,398.55
	Sherman Heights LP		Jackson	WI	53037	Maple Rd & Sherman Rd	2018 Sherman Road	T7 0571	38.98	39		\$121,774.80	\$121,774.80
Mr.	Austin	Mozdzen	Jackson	WI	53037	2039 Sherman Road	2039 Sherman Road	T7 073000C	24.38	24		\$74,938.34	\$74,938.34
Mr.	Thomas	Okruhlica	Jackson	WI	53037	1998 Sherman Road	1998 Sherman Road	T7 057100A	1.02	1		\$3,122.43	\$3,122.43
	Heckendorf Farms LLC		Jackson	WI	53037	1997 Sherman Road	1997 Sherman Road	T7 073000B	1.29	1		\$3,122.43	\$3,122.43
Mr. & Mrs.	Guy & Gail	Maciejewski	Jackson	WI	53037	3252 Maple Road	3252 Maple Road	T7 073100B	5.016	1		\$3,122.43	\$3,122.43
Mr. & Mrs.	Francisco & Colleen	Rueda	Jackson	WI	53037	3279 Maple Road	3279 Maple Road	T7 074900J	0.99	1		\$3,122.43	\$3,122.43
Mr. & Mrs.	Gregory & Carla	Harry	Jackson	WI	53037	3255 Maple Road	3225 Maple Road	T7 0749	5.9	1		\$3,122.43	\$3,122.43
Mr. & Mrs.	Andrew & Jaclyn	Hembel	Jackson	WI	53037	3223 Maple Road	3223 Maple Road	T7 074900K	6.22	1		\$3,122.43	\$3,122.43
Ms.	Jean	Wagenknecht	Jackson	WI	53037	3209 Maple Road	3209 Maple Road	T7 074900C	2.99	1		\$3,122.43	\$3,122.43
Mr. & Mrs.	James & Nicolle	Feilbach	Jackson	WI	53037	Maple Road	1915 Western Avenue	T7 073000D	7.32	1		\$3,122.43	\$3,122.43

72

\$240,091.13

Construction Cost minus sanitary lasteral cost

\$224,815.01

REU Cost

\$3,122.43

Total Cost of Project

\$239,935.01

Percentage Accessed

100.07%

RESOLUTION #23-07

PRELIMINARY RESOLUTION DECLARING INTENT TO EXERCISE SPECIAL ASSESSMENT POLICE POWERS, UNDER SECTION 66.0703 OF THE WISCONSIN STATUTES

WHEREAS, the Village Board of the Village of Jackson, Washington County, Wisconsin is pursuing the construction and reconstruction of public improvements consisting of sanitary sewer mains; sanitary sewer lateral; pavement; and restoration and the related improvements and expenses for the benefit of the properties described on Exhibit A hereto.

BE IT RESOLVED, by the Village Board of the Village of Jackson, Washington County, Wisconsin:

1. The Village Board hereby declares its intention to exercise its police power under Section 66.0703 of the Wisconsin Statutes to levy special assessments upon the properties described in Exhibit A hereto, for special benefits conferred upon such property by the construction of public improvements consisting of water and sanitary sewer mains; storm sewers; pavement; curb and gutter; and sidewalks and the related improvements and expenses.
2. The Village Board hereby determines that the construction of such improvements is in the best interest of, and for the health and welfare of the municipality and the property benefited by the improvements, and therefore constitutes an exercise of the police power.
3. The amount of such assessments shall be determined and levied upon completion of the construction of public improvements consisting of sanitary sewer mains; sanitary sewer lateral; pavement; and restoration and the related improvements and expenses.
4. The number of installments, rate of interest, and the terms of payment will be included in the Final Resolution after the Public Hearing, which will be held upon completion of the project, when final costs have been determined.
5. Every Special Assessment levied under this Resolution, shall be a lien against the property assessed, from the date of the Final Resolution of the Village Board determining the levy.
6. The Village Engineer shall prepare a report consisting of the following:
 - a. Preliminary of the final plans and specifications for the Public Works.
 - b. An estimate of the entire cost of the proposed improvements.

- c. A schedule of the proposed properties against which the assessments are to benefit.
- d. A statement that each property against which the assessments are proposed, has been inspected and is benefited, setting forth the basis of such benefit.
- e. Upon completion of the report, the Village Engineer shall file a copy with the Village Clerk, and with the Village Treasurer.

7. The Village Clerk shall make a copy of the report available for public inspection.

Introduced by: Trustee Matter

Seconded by: Trustee Engelhardt

Vote: 6 ayes 0 nays

Passed and Approved: April 11, 2023

Michael E. Schwab
Michael E. Schwab - Village President

Attest: Jill S. Dobratz
Jill 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.

Jill S. Dobratz
Village Official

April 19, 2023
Date

RESOLUTION #23-18

A RESOLUTION ACCEPTING THE SANITARY SEWER AND WATER SYSTEM ASSOCIATED WITH THE MAPLE FIELDS SUBDIVISION PHASE #1 DEVELOPMENT

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

BE IT RESOLVED that the Village hereby accepts, pursuant to the provisions of Chapter 44 of the Village Code, the Sanitary Sewer and Water System associated with the Maple Fields Phase #1 Development in the Village of Jackson, Washington County, Wisconsin.

Introduced by:_____

Seconded by:_____

Vote: _____ Ayes _____ Nays

Passed and Approved:_____

Brian J. Heckendorf – Village President

Attest:_____
Pamela Wolf – Deputy Village Clerk

Proof of Posting:

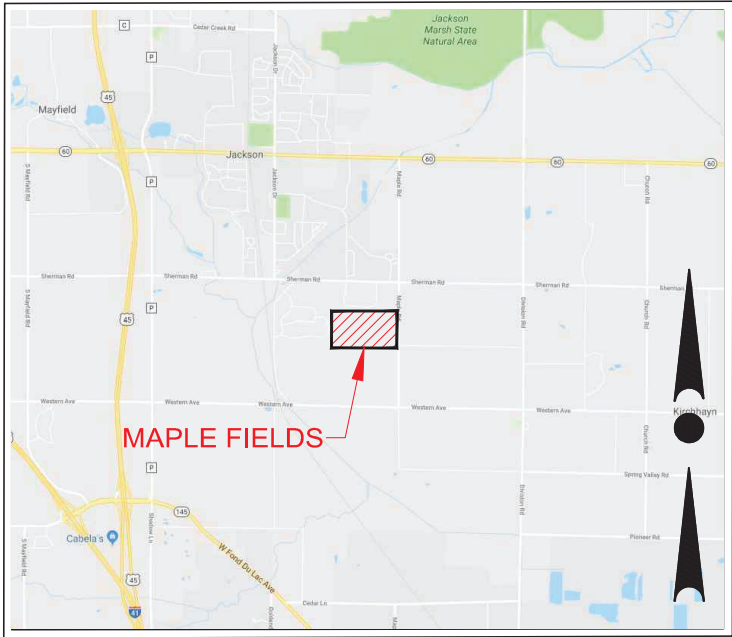
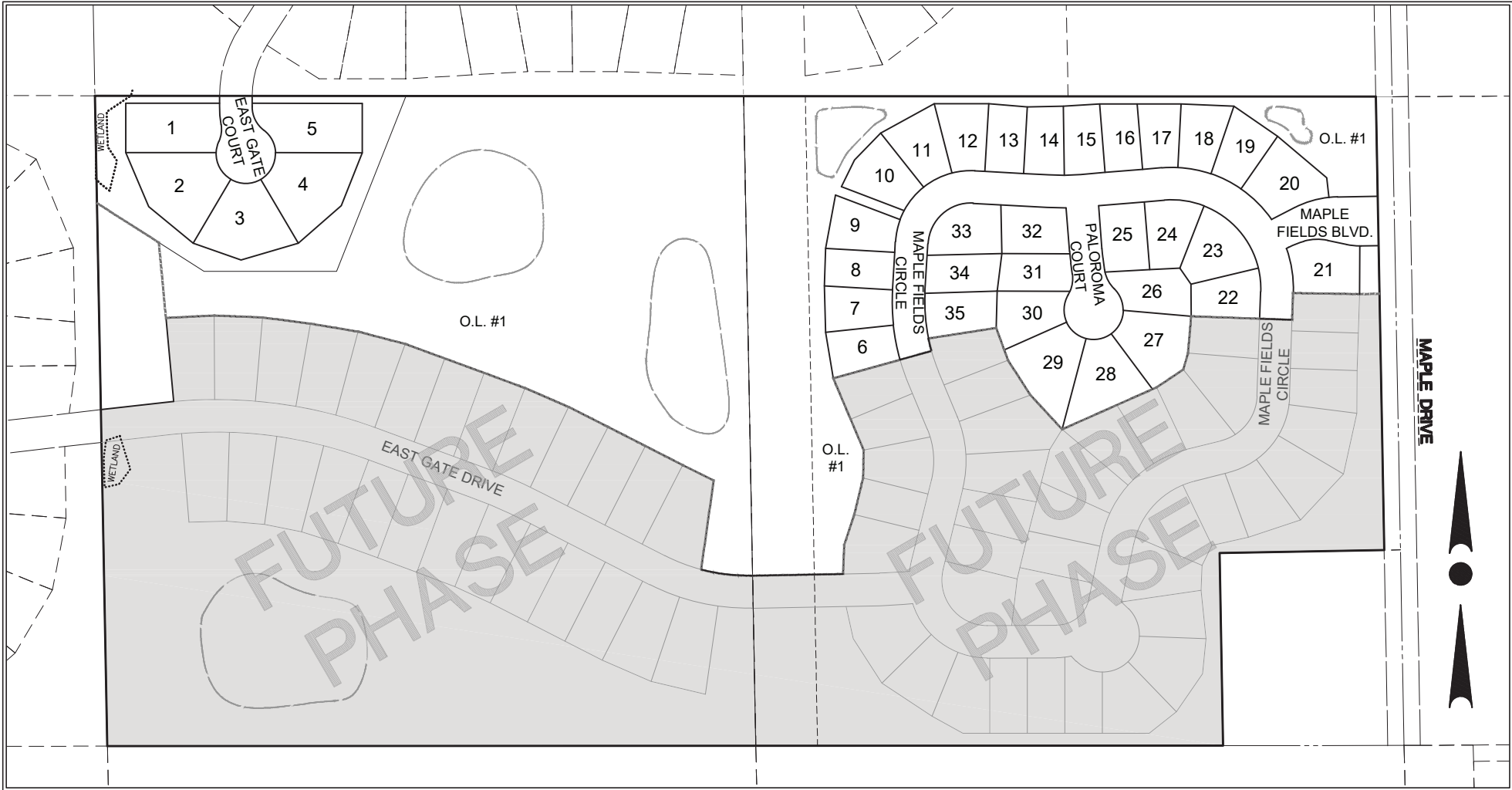
I, the undersigned, certify that I posted this Resolution on bulletin boards at the Village Hall, Post Office, and one other location in the Village.

Village Official

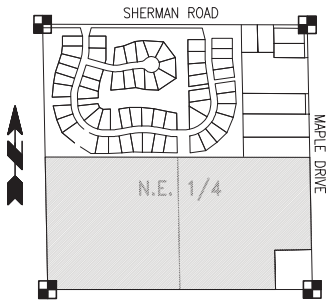
Date

GENERAL NOTES

1. THE LATEST EDITIONS OF THE FOLLOWING DOCUMENTS AND ANY SUPPLEMENTS THERETO, SHALL GOVERN ALL CONSTRUCTION ITEMS ON THIS PLAN UNLESS OTHERWISE NOTED.
-STANDARD SPECIFICATIONS FOR SEWER AND WATER CONSTRUCTION IN WISCONSIN, 6TH EDITION (SSSWCW)
-THE WISCONSIN D.O.T. STANDARD SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION, LATEST EDITION
-WDNR STORMWATER RUNOFF TECHNICAL STANDARDS.
-WISDOT PAL APPROVED EROSION CONTROL MEASURES LIST, LATEST EDITION.
-VILLAGE OF JACKSON TECHNICAL STANDARDS.
2. THE CONTRACTOR SHALL TAKE ALL MEASURES NECESSARY TO MINIMIZE EROSION, WATER POLLUTION AND SILTATION CAUSED BY CONSTRUCTION OF THIS PROJECT. EROSION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH WISCONSIN DEPARTMENT OF NATURAL RESOURCES TECHNICAL STANDARDS.
3. EROSION CONTROL PLAN: PRIOR TO BEGINNING WORK, AN APPROVED EROSION CONTROL PLAN WILL BE PROVIDED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR PROPERLY IMPLEMENTING THE APPROVED PLAN.
4. THE CONTRACTOR SHALL FIELD VERIFY THE ELEVATIONS OF THE BENCHMARKS PRIOR TO COMMENCING WORK. THE CONTRACTOR SHALL ALSO FIELD VERIFY LOCATION, ELEVATION AND SIZE OF EXISTING UTILITIES, AND VERIFY FLOOR, CURB OR PAVEMENT ELEVATIONS WHERE MATCHING INTO EXISTING WORK. THE CONTRACTOR SHALL FIELD VERIFY HORIZONTAL CONTROL BY REFERENCING SHOWN COORDINATES TO KNOWN PROPERTY LINES. NOTIFY ENGINEER OF DISCREPANCIES IN EITHER VERTICAL OR HORIZONTAL CONTROL PRIOR TO PROCEEDING WITH WORK.
5. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO BEGINNING CONSTRUCTION (CALL DIGGERS HOTLINE AT 800-242-8511). COST OF REPLACEMENT OR REPAIR OF EXISTING UTILITIES DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATION SHALL BE THE CONTRACTOR'S RESPONSIBILITY.
6. EXISTING UTILITY INFORMATION IS SHOWN FROM SURVEY WORK, FIELD OBSERVATIONS, AVAILABLE PUBLIC RECORDS, AND AS-BUILT DRAWINGS. EXACT LOCATIONS AND ELEVATIONS OF UTILITIES SHALL BE DETERMINED PRIOR TO INSTALLING NEW WORK. EXCAVATE TEST PITS AS REQUIRED.
7. PROPERTY CORNERS SHALL BE CAREFULLY PROTECTED UNTIL THEY HAVE BEEN REFERENCED BY A PROFESSIONAL LAND SURVEYOR. PROPERTY MONUMENTS DISTURBED BY THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. ENGINEER SHALL BE NOTIFIED 48 HOURS IN ADVANCE OF PERFORMING ANY CONSTRUCTION.
9. ALL TRENCHING SHALL BE PERFORMED ACCORDING TO OSHA STANDARDS.
10. ALL ITEMS SHALL INCLUDE ALL THE NECESSARY MATERIALS AND LABOR TO COMPLETE THE ITEM IN PLACE.
11. THE CONTRACTOR SHALL CLEAN ALL ADJACENT STREETS OF ANY SEDIMENT OR DEBRIS BY SWEEPING BEFORE THE END OF THE WORKING DAY OR AS REQUIRED BY THE CITY OF PEWAUKEE.
12. THE CONTRACTOR MUST AND IS REQUIRED TO NOTIFY THE VILLAGE OF JACKSON SEWER AND WATER UTILITY A MINIMUM OF 48 HOURS IN ADVANCE OF WATER MAIN FILLING, WATER MAIN FLUSHING, WATER MAIN TESTING AND WATER MAIN CONNECTIONS. NO CONNECTION SHALL BE MADE TO THE EXISTING WATER SYSTEM UNTIL SAFE SAMPLES FROM THE NEW MAIN HAVE BEEN OBTAINED.



LOCATION MAP
NOT TO SCALE



LOCALITY MAP:
N.E. 1/4, SEC. 29, T. 10 N., R. 20 E.
SCALE: 1"=2000'

SITE PLAN
SCALE: 1" = 150'

SHEET INDEX

CIVIL	
T1	- COVER SHEET
C0.1	- OVERALL SITE PLAN
C1.0	- OVERALL INTERIM GRADING PLAN
C1.0M	- OVERALL MASTER GRADING PLAN
C1.1-C1.4	- INTERIM GRADING PLANS
C1.1M-C1.4M	- MASTER GRADING PLANS
C1.5-C1.7	- POND PLANS AND DETAILS
C2.0	- EROSION CONTROL PLAN
C3.0	- OVERALL SANITARY SEWER & WATER MAIN PLAN
C3.1-C3.6	- SANITARY SEWER & WATER MAIN PLAN & PROFILE
C4.0	- OVERALL STORM SEWER PLAN
C4.1-C4.4	- ROAD CENTERLINE & STORM SEWER PLAN & PROFILE
C4.5	- STORM SEWER PLAN & PROFILE
C5.0-C5.1	- INTERSECTION, CUL-DE-SAC, & CURB RAMP DETAILS
C6.0-C6.1	- NOTES & DETAILS

DEVELOPER:
NEUMANN DEVELOPMENTS, INC.
N27W24025 PAUL COURT, SUITE 100
PEWAUKEE, WI 53072
PHONE: (262) 542-9200
FAX: (262) 349-9324

ENGINEER / SURVEYOR:
TRIO ENGINEERING, LLC
4100 N. CALHOUN RD., SUITE 300
BROOKFIELD, WISCONSIN 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481



CONTRACTOR IS REQUIRED TO CONTACT DIGGERS HOTLINE TOLL FREE TO OBTAIN LOCATION OF UNDERGROUND UTILITIES PRIOR TO COMMENCING THE WORK. WISCONSIN STATUTE 182.0715 REQUIRES MIN. OF 3 WORK DAYS NOTICE BEFORE YOU EXCAVATE.
CALL DIGGERS HOTLINE 1-800-242-8511

NOTE:
EXISTING UNDERGROUND UTILITY INFORMATION WAS OBTAINED FROM AVAILABLE RECORDS. THE ENGINEER MAKES NO GUARANTEE AS TO THE ACCURACY OF THIS INFORMATION. VERIFICATION TO THE SATISFACTION OF THE CONTRACTOR OF ALL UNDERGROUND UTILITIES, WHETHER OR NOT SHOWN ON THE PLANS, SHALL BE ASSUMED AS A CONDITION OF THE CONTRACT. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY DISCREPANCIES BETWEEN LOCATION OF UTILITIES IN THE FIELD AND LOCATIONS SHOWN ON THE PLANS.



4100 N. CALHOUN RD
BROOKFIELD, WI 53005
PHONE: (262) 790-1480
FAX: (262) 790-1481
EMAIL: info@trioeng.com

PROJECT:
MAPLE FIELDS - PHASE 1
SINGLE FAMILY RESIDENTIAL SUBDIVISION
VILLAGE OF JACKSON, WISCONSIN
BY: NEUMANN DEVELOPMENTS, INC.
N27W24025 PAUL COURT, SUITE 100
PEWAUKEE, WI 53072

REVISION HISTORY

DATE	DESCRIPTION
09/30/2021	PRELIM CIVIL PLANS
11/04/2021	VILLAGE SUBMITTAL
02/16/2022	PHASE 1 SUBMITTAL
03/18/2022	WATER MAIN/GRADING UPDATES
04/28/2022	PER VILLAGE REVIEW
05/11/2022	SANITARY SEWER UPDATES

DATE:
MAY 11, 2022

JOB NUMBER:
16016

DESCRIPTION:

COVER
SHEET

SHEET

T1

MEMO

TO : Brian Kober

From Russell Krueger

Date : 7\13\2023

Topic : Patrol Truck Quotes \ 1 ton Quote

Brian I have requested quotes for purchase of a patrol truck and a new 1 ton truck for the DPW. I received a quote from Lakeside International and Quality Truck Care Center. I have called Peterbilt with no reply as they are not in the municipal market and cater to the over road trucking industry.

My recommendation would be to purchase an International truck even if the updated quote requested when finalizing is higher than a Western Star. We have everything in stock for regular maintenance of these trucks as we have 5 International trucks now. We have great customer care 20 minutes from our shop. Our crew is well rounded on International as to safe operation with the design of the truck for sight and safe operations when performing in hazardous weather and other conditions. Being a small community and trying to stock, repair and maintain a different make vehicle would not be fiscally responsible in my experience.

Western Star is from Appleton Wi and International being in Allenton is convenient for service. If a truck calls for service or recall service we can do a 1 hour turn around for getting truck to service center were as Appleton would be 4 hours . If we need to have it towed we are looking at extreme tow charges to get it to Appleton. Pulling 2 employees out of service for a half day of traveling for service of a truck (twice) is going to be costly. I don't see any benefit changing our fleet over to any other truck with Lakeside truck being so close. What we might save in purchase will not save us in the future years of service when traveling so far for service. Just a simple parts run is 45 minutes to Lakeside, Appleton would be hours.

Prepared for:
Russ Krueger
Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037
Phone: (262) 677-9001

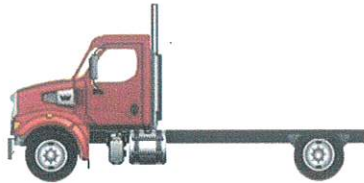
Prepared by:
Dennis Gorman
QUALITY TRUCK CARE
CENTER
2125 FRENCH ROAD
DE PERE, WI 54115
Phone: 920-347-2213
E-Mail:
dgorman@QualityTruck.net

A proposal for
Village of Jackson

Prepared by
QUALITY TRUCK CARE CENTER
Dennis Gorman

May 22, 2023

Western Star 47X



Components shown may not reflect all spec'd options and are not to scale

Prepared for:
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Village of Jackson
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Jackson, WI 53037
Phone: (262) 677-9001

Prepared by:
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CENTER
2125 FRENCH ROAD
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Phone: 920-347-2213
E-Mail:
dgorman@QualityTruck.net

SPECIFICATION PROPOSAL

Description	Weight Front	Weight Rear
Price Level		
WST 47X/49X PRL-27X (EFF:MY24 ORDERS)		
Data Version		
SPECPRO21 DATA RELEASE VER 043		
Vehicle Configuration		
WESTERN STAR 47X	9,050	6,525
2024 MODEL YEAR SPECIFIED		
SET FORWARD AXLE - TRUCK	-480	480
TRAILER TOWING PROVISION AT END OF FRAME WITH SAE J560	10	10
LH PRIMARY STEERING LOCATION		
General Service		
TRUCK/TRAILER CONFIGURATION		
DOMICILED, USA (EXCLUDING CALIFORNIA AND CARB OPT-IN STATES)		
CONSTRUCTION SERVICE		
CONSTRUCTION BUSINESS SEGMENT		
DIRT/SAND/ROCK COMMODITY		
TERRAIN/DUTY: 100% (ALL) OF THE TIME, IN TRANSIT, IS SPENT ON PAVED ROADS		
MAXIMUM 8% EXPECTED GRADE		
SMOOTH CONCRETE OR ASPHALT PAVEMENT - MOST SEVERE IN-TRANSIT (BETWEEN SITES) ROAD SURFACE		
WESTERN STAR VOCATIONAL WARRANTY		
EXPECTED FRONT AXLE(S) LOAD : 18000.0 lbs		
EXPECTED REAR DRIVE AXLE(S) LOAD : 23000.0 lbs		
EXPECTED GROSS VEHICLE WEIGHT CAPACITY : 41000.0 lbs		

Prepared for:
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 Jackson, WI 53037
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 dgorman@QualityTruck.net

	Description	Weight Front	Weight Rear
	EXPECTED GROSS COMBINATION WEIGHT : 80000.0 lbs		
Truck Service			
	FRONT PLOW/END DUMP BODY		
N	DEALER STOCK TRUCK - UPFIT UNDETERMINED		
Tractor Service			
	FLATBED TRAILER		
	SINGLE (1) TRAILER		
Engine			
	CUM L9 350 HP @ 2200 RPM; 2200 GOV RPM, 1050 LB-FT @ 1200 RPM	-850	-70
Electronic Parameters			
N	68 MPH ROAD SPEED LIMIT		
	CRUISE CONTROL SPEED LIMIT SAME AS ROAD SPEED LIMIT		
	PTO MODE ENGINE RPM LIMIT - 1600 RPM		
	PTO RPM WITH CRUISE SET SWITCH - 800 RPM		
	FUEL DOSING OF AFTERTREATMENT ENABLED IN PTO MODE-CLEANS HYDROCARBONS AT HIGH TEMPERATURES ONLY		
	ONE DASH MOUNTED PTO SPEED WITH PTO SWITCH ENGAGEMENT		
	PTO SPEED 1 SETTING - 600 RPM		
N	PTO MINIMUM RPM - 700		
	ENABLE DPF REGEN STAY WARM		
N	PTO 1, DASH SWITCH, ENGAGE WHILE DRIVING		
Engine Equipment			
	2010 EPA/CARB/GHG21 CONFIGURATION		
	NO 2008 CARB EMISSION CERTIFICATION		
	STANDARD OIL PAN		
	ENGINE MOUNTED OIL CHECK AND FILL		
	SIDE OF HOOD AIR INTAKE WITH ENGINE MOUNTED AIR CLEANER, WITH INSIDE/OUTSIDE AIR AND SNOW DOOR		
	DR 12V 160 AMP 28-SI QUADRAMOUNT PAD ALTERNATOR WITH REMOTE BATTERY VOLT SENSE	-10	

Prepared for:
 Russ Krueger
 Village of Jackson
 N168 W20733 Main Street
 Jackson, WI 53037
 Phone: (262) 677-9001

Prepared by:
 Dennis Gorman
 QUALITY TRUCK CARE
 CENTER
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Description	Weight Front	Weight Rear
(3) DTNA GENUINE, HIGH TEMP AGM STARTING AND CYCLING, MIN 2775CCA, 570RC, THREADED STUD BATTERIES		
PASSENGER SEAT BATTERY BOX VENTED TO OUTSIDE OF CAB		
BATTERY BOX MOUNTED UNDER PASSENGER SEAT		
WIRE GROUND RETURN FOR BATTERY CABLES WITH ADDITIONAL FRAME GROUND RETURN		
PLASTIC BATTERY BOX COVER		
POSITIVE LOAD DISCONNECT WITH CAB MOUNTED CONTROL SWITCH MOUNTED OUTBOARD DRIVER SEAT	2	
POSITIVE AND NEGATIVE POSTS FOR JUMPSTART LOCATED ON FRAME NEXT TO STARTER	2	
CUMMINS TURBOCHARGED 18.7 CFM AIR COMPRESSOR WITH INTERNAL SAFETY VALVE		
ELECTRONIC ENGINE INTEGRAL SHUTDOWN PROTECTION SYSTEM		
C-BRAKE BY JACOBS WITH HIGH MED LOW BRAKE WITH BRAKE LAMPS	80	
RH OUTBOARD UNDER STEP MOUNTED HORIZONTAL AFTERTREATMENT SYSTEM ASSEMBLY WITH RH B-PILLAR MOUNTED VERTICAL TAILPIPE		
ENGINE AFTERTREATMENT DEVICE, AUTOMATIC OVER THE ROAD ACTIVE REGENERATION AND VIRTUAL REGENERATION REQUEST SWITCH IN CLUSTER AND DASH MOUNTED INHIBIT SWITCH		
11 FOOT 06 INCH (138 INCH+0/-5.9 INCH) EXHAUST SYSTEM HEIGHT		
STANDARD CURVE BRIGHT UPPER STACK(S) AND ELBOW(S)		
RH CURVED VERTICAL TAILPIPE B-PILLAR MOUNTED ROUTED FROM STEP		
13 GALLON DIESEL EXHAUST FLUID TANK	9	3
UNPOLISHED ALUMINUM WST DIESEL EXHAUST FLUID TANK COVER		
LH HEAVY DUTY STANDARD DIESEL EXHAUST FLUID TANK LOCATION		
STANDARD DIESEL EXHAUST FLUID TANK CAP		
STAINLESS STEEL AFTERTREATMENT DEVICE/MUFFLER/TAILPIPE SHIELD		

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Description	Weight Front	Weight Rear
AIR POWERED ON/OFF ENGINE FAN CLUTCH		
AUTOMATIC FAN CONTROL WITHOUT DASH SWITCH, NON ENGINE MOUNTED		
DETROIT FUEL/WATER SEPARATOR WITH WATER IN FUEL SENSOR AND 12 VOLT PREHEATER	10	
CUMMINS SPIN ON FUEL FILTER		
FULL FLOW OIL FILTER		
1400 SQUARE INCH VOCATIONAL RADIATOR WITH PROTECTION PACKAGE	20	
ANTIFREEZE TO -34F, OAT (NITRITE AND SILICATE FREE) EXTENDED LIFE COOLANT		
GATES BLUE STRIPE COOLANT HOSES OR EQUIVALENT		
STANDARD CHARGE AIR COOLER PLUMBING		
RADIATOR DRAIN VALVE		
LOWER RADIATOR GUARD		
1350 ADAPTER FLANGE FOR FRONT PTO PROVISION	20	
PHILLIPS-TEMRO 1000 WATT/115 VOLT BLOCK HEATER	4	
CHROME ENGINE HEATER RECEPTACLE MOUNTED UNDER LH DOOR		
ELECTRIC GRID AIR INTAKE WARMER		
DELCO 12V 39MT HD/OCP STARTER WITH THERMAL PROTECTION AND INTEGRATED MAGNETIC SWITCH	-45	

Transmission

ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH PTO PROVISION	-230	-130
--	------	------

Transmission Equipment

ALLISON VOCATIONAL PACKAGE 223 - AVAILABLE ON 3000/4000 PRODUCT FAMILIES WITH VOCATIONAL MODELS RDS, HS, MH AND TRV

ALLISON VOCATIONAL RATING FOR ON/OFF HIGHWAY APPLICATIONS AVAILABLE WITH ALL PRODUCT FAMILIES

PRIMARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 6, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY

Prepared for:
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Description	Weight Front	Weight Rear
SECONDARY MODE GEARS, LOWEST GEAR 1, START GEAR 1, HIGHEST GEAR 3, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE PRIMARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
S1 PERFORMANCE SECONDARY SHIFT SCHEDULE, AVAILABLE FOR 3000/4000 PRODUCT FAMILIES ONLY		
2200 RPM PRIMARY MODE SHIFT SPEED		
2200 RPM SECONDARY MODE SHIFT SPEED		
QUICKFIT BODY LIGHTING CONNECTOR UNDER CAB, WITH BLUNTCUTS		
ELECTRONIC TRANSMISSION WIRING TO CUSTOMER INTERFACE CONNECTOR		
CUSTOMER INSTALLED CHELSEA 280 SERIES PTO		
PTO MOUNTING, LH SIDE OF MAIN TRANSMISSION ALLISON		
MAGNETIC PLUGS, ENGINE DRAIN, TRANSMISSION DRAIN, AXLE(S) FILL AND DRAIN		
HEAVY DUTY ELECTRONIC TRANSMISSION SHIFT CONTROL, COLUMN MOUNTED		
WATER TO OIL TRANSMISSION COOLER		
TRANSMISSION OIL CHECK AND FILL WITH ELECTRONIC OIL LEVEL CHECK		
SYNTHETIC TRANSMISSION FLUID (TES-295 COMPLIANT)		

Front Axle and Equipment

MFS-18-133A 18,000# FL1 71.0 INCH KPI/3.74 INCH DROP SINGLE FRONT AXLE	150
CONMET PRESET PLUS PREMIUM ALUMINUM FRONT HUBS	
MERITOR 16.5X6 Q+ CAST SPIDER CAM FRONT BRAKES, DOUBLE ANCHOR, FABRICATED SHOES	10
NON-ASBESTOS FRONT BRAKE LINING	
CONMET CAST IRON FRONT BRAKE DRUMS	
FRONT BRAKE DUST SHIELDS	5
FRONT OIL SEALS	
VENTED FRONT HUB CAPS WITH WINDOW, CENTER AND SIDE PLUGS - OIL	

Prepared for:
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Description	Weight Front	Weight Rear
GUNITE AUTOMATIC FRONT SLACK ADJUSTERS		
DUAL POWER STEERING GEARS, BENDIX 16- 20K	80	
4 QUART POWER STEERING RESERVOIR	5	
OIL/AIR POWER STEERING COOLER	5	
CURRENT AVAILABLE SYNTHETIC 75W-90 FRONT AXLE LUBE		
Front Suspension		
* 18,000# TAPERLEAF FRONT SUSPENSION. ADD 62G-015A AUXILIARY AIR SPRING ON RIGHT SIDE FOR PLOW APPLICATIONS	145	
ADD 62G-015A AUXILIARY AIR SPRING ON RIGHT SIDE FOR PLOW APPLICATIONS		
MAINTENANCE FREE RUBBER BUSHINGS - FRONT SUSPENSION		
FRONT SHOCK ABSORBERS		
Rear Axle and Equipment		
RS-23-160 23,000# R-SERIES SINGLE REAR AXLE		-2,260
CONMET PRESET PLUS PREMIUM IRON REAR HUBS		30
6.43 REAR AXLE RATIO		
IRON REAR AXLE CARRIER WITH STANDARD AXLE HOUSING		
SPL140HD DANA SPICER MAIN DRIVELINE WITH HALF ROUND YOKES	-50	-50
NO INTERAXLE (#3) DRIVELINE		
DRIVER CONTROLLED TRACTION DIFFERENTIAL - SINGLE REAR AXLE		20
(1) DRIVER CONTROLLED DIFFERENTIAL LOCK REAR VALVE FOR SINGLE DRIVE AXLE		
INDICATOR LIGHT FOR EACH DIFFERENTIAL LOCKOUT SWITCH		
MERITOR 16.5X7 Q+ CAST SPIDER CAM REAR BRAKES, DOUBLE ANCHOR, FABRICATED SHOES		
NON-ASBESTOS REAR BRAKE LINING		
BRAKE CAMS AND CHAMBERS ON FORWARD SIDE OF DRIVE AXLE(S) WITH AUXILIARY SUPPORT BRACKETS		
GUNITE CAST IRON REAR BRAKE DRUMS		-10
REAR BRAKE DUST SHIELDS		5

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Description	Weight Front	Weight Rear
REAR OIL SEALS		
WABCO TRISTOP D LONGSTROKE 1-DRIVE AXLE SPRING PARKING CHAMBERS		-20
GUNITE AUTOMATIC REAR SLACK ADJUSTERS		
CURRENT AVAILABLE SYNTHETIC 75W-90 REAR AXLE LUBE		
STANDARD REAR AXLE BREATHER(S)		
Rear Suspension		
AIRLINER 23,000# REAR SUSPENSION WITH CHAIN CLEARANCE		100
9.5 INCH NOMINAL RIDE HEIGHT (460MM GLOBAL REFERENCE HEIGHT)		
STANDARD AXLE SEATS IN AXLE CLAMP GROUP		
IGNITION CONTROLLED ELECTRIC DUMP SWITCH FOR AIR SUSPENSION WITH STATE RETENTION AND GAUGE		
REAR AIR SUSPENSION DUMP VALVE NO- AUTOFILL WITH INDICATOR LIGHT		
SINGLE AIR REAR SUSPENSION LEVELING VALVE		
TRANSVERSE CONTROL RODS		
REAR SHOCK ABSORBERS - ONE AXLE (AIR RIDE SUSPENSION)		
Brake System		
WABCO 4S/4M ABS WITH TRACTION CONTROL WITH ATC SHUT OFF SWITCH		
REINFORCED NYLON, FABRIC BRAID AND WIRE BRAID CHASSIS AIR LINES		
RELAY VALVE WITH 5-8 PSI CRACK PRESSURE, NO REAR PROPORTIONING VALVE		
WABCO SYSTEM SAVER HP WITH INTEGRAL AIR GOVERNOR AND HEATER		
WABCO OIL COALESCING FILTER FOR AIR DRYER		
AIR DRYER MOUNTED INBOARD ON LH RAIL		
ALUMINUM AIR BRAKE RESERVOIRS MOUNTED INSIDE RAILS	-10	-15
PULL CABLES ON ALL AIR RESERVOIR(S)		
Trailer Connections		

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Description	Weight Front	Weight Rear
AIR CONNECTIONS TO END OF FRAME WITH GLAD HANDS FOR TRUCK AND NO DUST COVERS	5	5
PRIMARY CONNECTOR/RECEPTACLE WIRED FOR SEPARATE STOP/TURN, ABS CENTER PIN POWERED THROUGH IGNITION		
SAE J560 7-WAY PRIMARY TRAILER CABLE RECEPTACLE MOUNTED END OF FRAME		

Wheelbase & Frame

4240MM (167 INCH) WHEELBASE, SFA ONLY		
11.0MM X 85.0MM X 287.0MM STEEL FRAME (0.43X3.35X11.30 INCH) 120 KSI	-180	280
TEM TO EVALUATE AND INSTALL FRAME RAIL REINFORCEMENT AS NEEDED FOR FRONT FRAME MOUNTED EQUIPMENT		
1900MM (75 INCH) REAR FRAME OVERHANG		
FRAME OVERHANG RANGE: 71 INCH TO 80 INCH	-40	130
20 INCH INTEGRAL FRONT FRAME EXTENSION	80	
CALC'D BACK OF CAB TO REAR SUSP C/L (CA) : 85.43 in		
CALC'D FRAME LENGTH - OVERALL : 290.33 in		
FRAME HEIGHT TOP FRONT UNLADEN : 44.7 in		
FRAME HEIGHT TOP FRONT LADEN : 40.95 in		
FRAME HEIGHT TOP REAR UNLADEN : 41.84 in		
FRAME HEIGHT TOP REAR LADEN : 40.27 in		
SQUARE END OF FRAME		
REAR TOW HOOKS		10
STANDARD WEIGHT ENGINE CROSSMEMBER		
STANDARD CAST ALUMINUM CROSSMEMBER BACK OF TRANSMISSION		
STANDARD CAST ALUMINUM MIDSHIP		
STANDARD CAST ALUMINUM REARMOST CROSSMEMBER		
STANDARD CAST ALUMINUM FORWARD CROSSMEMBER		
CAST ALUMINUM REAR SUSPENSION CROSSMEMBER		

Chassis Equipment

UNPOLISHED ALUMINUM WST EQUIPMENT
COVERS

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Description	Weight Front	Weight Rear
BRIGHT STEEL 1/8 INCH VOCATIONAL BUMPER		
NO FRONT TOW HOOKS	-15	
BUMPER MOUNTING FOR SINGLE LICENSE PLATE		
CLASS 10.9 THREADED METRIC FASTENERS		
EXTERIOR HARNESSSES WRAPPED IN ABRASION TAPE		
Fuel Tanks		
70 GALLON/264 LITER ALUMINUM FUEL TANK - LH		
25 INCH DIAMETER FUEL TANK(S)		
PLAIN ALUMINUM/PAINTED STEEL FUEL/HYDRAULIC TANK(S) WITH POLISHED STAINLESS STEEL BANDS		
FUEL TANK(S) FORWARD		
PLAIN STEP FINISH		
FUEL TANK CAP(S)		
EQUIFLO INBOARD FUEL SYSTEM		
HIGH TEMPERATURE REINFORCED NYLON FUEL LINE		
INSULATION FOR FUEL LINES	2	
Tires		
* CONTINENTAL HSC3 315/80R22.5 20 PLY RADIAL FRONT TIRES	100	
CONTINENTAL HDR2+ 11R22.5 16 PLY RADIAL REAR TIRES		92
Wheels		
ACCURIDE 41012 22.5X9.00 10-HUB PILOT 3.12 INSET 10-HAND ALUMINUM DISC FRONT WHEELS	-38	
ACCURIDE 43644 ALUMINUM OUTSIDE, MAXION 91262 STEEL INSIDE; 22.5X8.25 10-HUB PILOT DISC REAR WHEELS		76
POLISHED FRONT WHEELS; INSIDE AND OUTSIDE		
POLISHED REAR WHEELS; BOTH SIDES OF OUTER WHEELS ONLY		
NO FRONT AXLE WHEEL/HUB COVER		
NO WHEEL/HUB COVER-PUSHER/TAG		
FRONT WHEEL MOUNTING NUTS		

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	Description	Weight Front	Weight Rear
	REAR WHEEL MOUNTING NUTS		
Cab Exterior			
	111.6 INCH BBC CONVENTIONAL ALUMINUM CAB		
	STAINLESS STEEL CAB ACCENT MOLDING		
	FRONT FENDERS		
	BOLT-ON MOLDED FLEXIBLE FENDER EXTENSIONS	10	
	INTERIOR GRAB HANDLES WITH ADDED LOWER LH AND RH A PILLAR GRAB HANDLES AND LH AND RH EXTERIOR NON-SLIP GRAB HANDLES		
	BRIGHT HOOD MOUNTED AIR INTAKE GRILLE, BLACK SCREEN, WITH LED ACCENT LIGHTS		
	X-SERIES STEEL REINFORCED ALUMINUM CAB		
	X-SERIES VOCATIONAL HOOD		
	HOOD OPENING ASSIST WITH LOCKING STRUT		
	WESTERN STAR NAMEPLATES		
	DUAL HADLEY SD-978 26 INCH RECTANGULAR AIR HORNS		
	SINGLE ELECTRIC HORN		
	REAR LICENSE PLATE MOUNT END OF FRAME		
	DUAL STAGE INTELLIGENT LED HEADLIGHTS WITH HEATED LENS SYSTEM		
	VISOR MOUNTED LED MARKER LIGHTS		
	WIRING AND SWITCH FOR CUSTOMER FURNISHED SNOW PLOW LAMPS WITH DUAL CONNECTIONS AT BUMPER		
	DAYTIME RUNNING LIGHTS		
	INTEGRAL LED STOP/TAIL/BACKUP LIGHTS		
	LED SIDE TURN SIGNAL		
	C-BAR MIRROR SYSTEM WITH DUAL HEATED MIRRORS WITH INTEGRAL HEATED CONVEX, DUAL REMOTE, STAINLESS STEEL BACK COVER, AND BRIGHT C-BAR	20	
	102 INCH EQUIPMENT WIDTH		
	LH AND RH CONVEX MIRRORS INTEGRAL WITH PRIMARY MIRRORS		
	RH DOWN VIEW MIRROR		
	STANDARD SIDE/REAR REFLECTORS		

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Description	Weight Front	Weight Rear
UNPOLISHED ALUMINUM WST AFTERTREATMENT SYSTEM COVER		
PARK BRAKE REMINDER WARNING SYSTEM		
STAINLESS STEEL EXTERIOR SUN VISOR WITH INTEGRAL MARKER LIGHTS	16	
HIGH VISIBILITY 3-PIECE SOLAR TINTED REAR WINDOW, (1) 31 INCH X 20 INCH SOLAR TINTED REAR WINDOW, (2) 9 INCH X 20 INCH	20	
1-PIECE ROPED-IN SOLAR GREEN GLASS WINDSHIELD		
8 LITER (2 GAL) WINDSHIELD WASHER RESERVOIR, CAB MOUNTED, WITH FLUID LEVEL INDICATOR		

Cab Interior

X-SERIES BASE INTERIOR TRIM LEVEL
 PACKAGE
 CHARCOAL BLACK VINYL BASE LEVEL
 INTERIOR
 CARBON WITH BASE BLACK ACCENT
 BLACK MATS WITH ADDED FLOOR HEAT AND
 NOISE INSULATION
 (1) DASH MOUNTED POWER OUTLET, LIGHTER
 AND ASH TRAY
 FORWARD ROOF MOUNTED CONSOLE
 LH AND RH DOOR STORAGE POCKETS
 INTEGRATED INTO MOLDED DOOR PANELS
 (2) COAT HOOKS ON BACKWALL OF CAB
 DIGITAL ALARM CLOCK IN DRIVER DISPLAY
 STANDARD HEATER PLUMBING WITH BALL
 SHUTOFF VALVES AT SUPPLY LINES ONLY
 RADIATOR MOUNTED AIR CONDITIONER
 CONDENSER
 PREMIUM INSULATION
 STANDARD LED CAB LIGHTING
 REMOTE KEYLESS ENTRY AND 2
 TRANSMITTERS
 DOOR LOCKS AND IGNITION SWITCH KEYED
 THE SAME
 KEY QUANTITY OF 3
 LH AND RH ELECTRIC DOOR LOCKS WITH
 AUTO UNLOCK FEATURE WHEN DOOR IS SET
 FROM OPEN TO CLOSED POSITION

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Description	Weight Front	Weight Rear
BRIGHT DOOR HANDLES		
PREMIUM 2.0 HIGH BACK AIR SUSPENSION DRIVER SEAT WITH 2 AIR LUMBAR, INTEGRATED CUSHION EXTENSION, TILT AND ADJUSTABLE SHOCK	20	
BATTERY BOX MID BACK NON SUSPENSION PASSENGER SEAT		
INBOARD DRIVER SEAT ARMREST, NO PASSENGER SEAT ARMREST	2	
BLACK MORDURA CLOTH DRIVER SEAT COVER WITH EMBROIDERED LOGO		
BLACK MORDURA CLOTH PASSENGER SEAT COVER WITH NO LOGO		
3 POINT ADJUSTABLE D-RING RETRACTOR DRIVER AND FIXED D-RING RETRACTOR PASSENGER SEAT BELTS		
ADJUSTABLE TILT AND TELESCOPING STEERING COLUMN		
4-SPOKE 18 INCH (450MM) BLACK STEERING WHEEL WITH SWITCHES		
DRIVER AND PASSENGER INTERIOR SUN VISORS		
Instruments & Controls		
STANDARD FOOT PEDAL SYSTEM		
ELECTRONIC ACCELERATOR CONTROL		
BLACK GAUGE BEZELS		
STANDARD CENTER INSTRUMENT PANEL		
DUAL NEEDLE PRIMARY AND SECONDARY AIR PRESSURE GAUGE		
INTAKE MOUNTED AIR RESTRICTION INDICATOR WITHOUT GRADUATIONS		
97 DB BACKUP ALARM		3
ELECTRONIC CRUISE CONTROL WITH CONTROLS ON STEERING WHEEL SPOKES		
KEY OPERATED IGNITION SWITCH AND INTEGRAL START POSITION; 4 POSITION OFF/RUN/START/ACCESSORY		
PREMIUM INSTRUMENT CLUSTER WITH 5.0 INCH TFT COLOR DISPLAY		
DIGITAL PANEL LAMP DIMMER SWITCH IN DRIVER DISPLAY		

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	Description	Weight Front	Weight Rear
N	HEAVY DUTY ONBOARD DIAGNOSTICS INTERFACE CONNECTOR WITH DUST CAP LOCATED BELOW LH DASH		
	2 INCH ELECTRIC FUEL GAUGE		
	ENGINE REMOTE INTERFACE WITH ONE OR MORE SET SPEEDS		
	ELECTRICAL ENGINE COOLANT TEMPERATURE GAUGE		
	NO ENGINE OIL TEMPERATURE GAUGE		
	ELECTRIC ENGINE OIL PRESSURE GAUGE		
	2 INCH TRANSMISSION OIL TEMPERATURE GAUGE		
	ELECTRONIC OUTSIDE TEMPERATURE SENSOR DISPLAY IN DRIVER MESSAGE CENTER		
	ENGINE, TRIP AND PTO HOUR METERS INTEGRAL WITHIN DRIVER DISPLAY		
	PTO CONTROLS FOR ENHANCED VEHICLE ELECTRIC/ELECTRONIC ARCHITECTURE		
	PTO PKG 09, SNOW PLOW		
	NO OBSTACLE DETECTION SYSTEM		
	NO VEHICLE STABILITY ADVISOR OR CONTROL		
	NO LANE DEPARTURE WARNING SYSTEM		
	QUICKFIT PROGRAMMABLE INTERFACE MODULE	10	
	TMC RP1226 ACCESSORY CONNECTOR LOCATED BEHIND PASSENGER SIDE REMOVEABLE DASH PANEL		
	AM/FM/WB WORLD TUNER RADIO WITH BLUETOOTH, USB AND AUXILIARY INPUTS, J1939		
	DASH MOUNTED RADIO		
	STANDARD SPEAKER SYSTEM		
	NO AM/FM RADIO ANTENNA		
	NO SPEAKER/LEAD FOR 2-WAY RADIO		
	NO CB ANTENNA, BRACKET OR LEAD		
	HEADLINER MULTI-BAND ANTENNA: AM/FM/WEATHERBAND, WIFI/BLUETOOTH, GNSS/GPS		
	UHF/VHF RADIO POWER/GROUND HARNESS TO OVERHEAD INSTRUMENT PANEL		
	RH MIRROR MOUNTED UHF/VHF RADIO ANTENNA PREP (OMIT ANTENNA)		

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Description	Weight Front	Weight Rear
ELECTRONIC MPH SPEEDOMETER WITH SECONDARY KPH SCALE, WITHOUT ODOMETER		
ELECTRONIC 2500 RPM TACHOMETER		
DETROIT CONNECT PLATFORM HARDWARE		
5 YEARS DAIMLER CONNECTIVITY BASE PACKAGE (FEATURES VARY BY MODEL) POWERED BY DETROIT CONNECT		
IGNITION SWITCH CONTROLLED ENGINE STOP		
PRE-TRIP INSPECTION FEATURE FOR EXTERIOR LAMPS ONLY		
BW TRACTOR PROTECTION VALVE		
TRAILER HAND CONTROL BRAKE VALVE	2	
2 INCH TURBO AIR PRESSURE GAUGE		
DIGITAL VOLTAGE DISPLAY INTEGRAL WITH DRIVER DISPLAY		
ROTARY HEADLAMP SWITCH, MARKER LIGHTS/HEADLIGHTS SWITCH WITH PULL OUT FOR OPTIONAL FOG/ROAD LAMPS		
TWO VALVE PARKING BRAKE SYSTEM WITH DASH VALVE CONTROL AUTONEUTRAL AND WARNING INDICATOR		
SELF CANCELING TURN SIGNAL SWITCH WITH DIMMER, HEADLAMP FLASH, WASH/WIPE/INTERMITTENT		
PROGRAMMABLE SWITCHES/INDICATORS LOCATED IN AUXILIARY PANEL		
QUICKFIT POWERTRAIN INTERFACE CONNECTOR UNDER CAB WITH BLUNTCUTS		
* 6 EXTRA PROGRAMMABLE SWITCHES/INDICATORS		
\$A1A0000ZZ,A1B0000ZZ,A1C0000ZZ,A1D0000ZZ,A1E0000ZZ,A1F0000ZZ		
QUICKFIT PROGRAMMABLE INTERFACE CONNECTOR(S) UNDER CAB WITH BLUNTCUTS		

Design

PAINT: ONE SOLID COLOR

Color

CAB COLOR A: L6389EY OMAHA ORANGE ELITE
EY

BLACK, HIGH SOLIDS POLYURETHANE CHASSIS
PAINT

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Description	Weight Front	Weight Rear
POWDER WHITE (N0006EA) REAR WHEELS/RIMS (PKWHT21, TKWHT21, W, TW)		

Certification / Compliance

U.S. FMVSS CERTIFICATION, EXCEPT SALES
 CABS AND GLIDER KITS

Sales Programs

NO SALES PROGRAMS HAVE BEEN SELECTED

TOTAL VEHICLE SUMMARY

Weight Summary

	Weight Front	Weight Rear	Total Weight
Factory Weight ⁺	7946 lbs	5214 lbs	13160 lbs
Dealer Installed Options	0 lbs	0 lbs	0 lbs
Total Weight ⁺	7946 lbs	5214 lbs	13160 lbs

Dealer Installed Options

	Weight Front	Weight Rear
AIR BAG	0	0
Total Dealer Installed Options	0 lbs	0 lbs

(+) Weights shown are estimates only.

If weight is critical, contact Customer Application Engineering.

(***) All cost increases for major components (Engines, Transmissions, Axles, Front and Rear Tires) and government mandated requirements, tariffs, and raw material surcharges will be passed through and added to factory invoices.

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Q U O T A T I O N

WESTERN STAR 47X

SET FORWARD AXLE - TRUCK
 CUM L9 350 HP @ 2200 RPM; 2200 GOV RPM, 1050 LB-
 FT @ 1200 RPM
 ALLISON 3000 RDS AUTOMATIC TRANSMISSION WITH
 PTO PROVISION
 RS-23-160 23,000# R-SERIES SINGLE REAR AXLE
 AIRLINER 23,000# REAR SUSPENSION WITH CHAIN
 CLEARANCE
 MFS-18-133A 18,000# FL1 71.0 INCH KPI/3.74 INCH
 DROP SINGLE FRONT AXLE

18,000# TAPERLEAF FRONT SUSPENSION. ADD 62G-
 015A AUXILIARY AIR SPRING ON RIGHT SIDE
 FOR PLOW APPLICATIONS
 111.6 INCH BBC CONVENTIONAL ALUMINUM CAB
 4240MM (167 INCH) WHEELBASE, SFA ONLY
 11.0MM X 85.0MM X 287.0MM STEEL FRAME
 (0.43X3.35X11.30 INCH) 120 KSI
 1900MM (75 INCH) REAR FRAME OVERHANG
 TEM TO EVALUATE AND INSTALL FRAME RAIL
 REINFORCEMENT AS NEEDED FOR FRONT
 FRAME MOUNTED EQUIPMENT

		PER UNIT	TOTAL
VEHICLE PRICE	TOTAL # OF UNITS (1)	\$ 120,447	\$ 120,447
EXTENDED WARRANTY		\$ 0	\$ 0
DEALER INSTALLED OPTIONS		\$ 945	\$ 945
CUSTOMER PRICE BEFORE TAX		\$ 121,392	\$ 121,392

TAXES AND FEES

TAXES AND FEES	\$ 0	\$ 0
OTHER CHARGES	\$ 0	\$ 0

TRADE-IN

TRADE-IN ALLOWANCE	\$ (0)	\$ (0)
BALANCE DUE	(LOCAL CURRENCY) \$ 121,392	\$ 121,392

COMMENTS:

Projected delivery on ___ / ___ / ___ provided the order is received before ___ / ___ / ___.

APPROVAL:

Please indicate your acceptance of this quotation by signing below:

Customer: X _____ Date: ___ / ___ / ___.

Daimler Truck Financial

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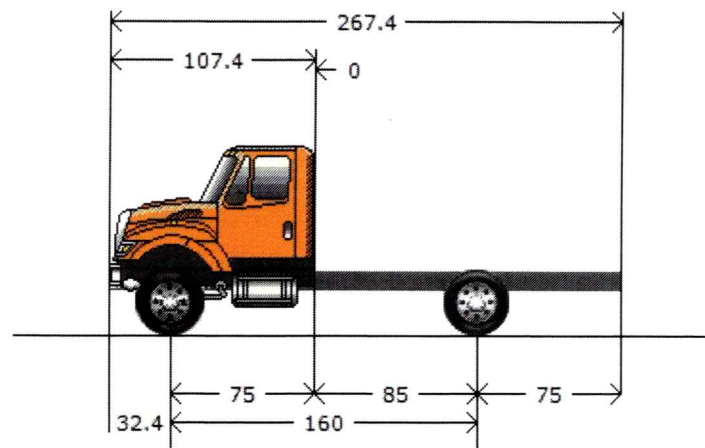
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Presented By:

LAKESIDE INTL, LLC
Doug Petsch
11000 W SILVER SPRING RD
MILWAUKEE WI 53225 -
(414)353-4800

Thank you for the opportunity to provide you with the following quotation on a new International truck. I am sure the following detailed specification will meet your operational requirements, and I look forward to serving your business needs.



Model Profile

2024 HV507 SFA (HV507)

AXLE CONFIG:	4X2
MISSION:	Requested GVWR: 39000. Calc. GVWR: 41000. Calc. GCWR: 80000
DIMENSION:	Wheelbase: 160.00, CA: 85.00, Axle to Frame: 75.00
ENGINE, DIESEL:	{Cummins L9 350} EPA 2021, 350HP @ 2200 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 350 Peak HP (Max)
TRANSMISSION, AUTOMATIC:	{Allison 3000 RDS} 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
CLUTCH:	Omit Item (Clutch & Control)
AXLE, FRONT NON-DRIVING:	{Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
AXLE, REAR, SINGLE:	{Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends Gear Ratio: 6.43
CAB:	Conventional, Day Cab
TIRE, FRONT:	(2) 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position
TIRE, REAR:	(4) 11R22.5 Load Range H HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
SUSPENSION, REAR, AIR, SINGLE:	{Hendrickson PRIMAAAX EX} 23,000-lb Capacity, 9.0" Ride Height, with Shock Absorbers
PAINT:	Cab schematic 100WK Location 1: 0311, Omaha Orange (Std) Chassis schematic N/A

<u>Code</u>	<u>Description</u>
HV50700	Base Chassis, Model HV507 SFA with 160.00 Wheelbase, 85.00 CA, and 75.00 Axle to Frame.
1572	TOW HOOK, REAR (2)
1ANA	AXLE CONFIGURATION {Navistar} 4x2
	<u>Notes</u> : Pricing may change if axle configuration is changed.
1CAJ	FRAME RAILS Heat Treated Alloy Steel (120,000 PSI Yield); 10.866" x 3.622" x 0.437" (276.0mm x 92.0mm x 11.1mm); 456.0" (11582mm) Maximum OAL
1LLA	BUMPER, FRONT Swept Back, Steel, Heavy Duty
1WDS	FRAME EXTENSION, FRONT Integral; 20" In Front of Grille
1WEV	WHEELBASE RANGE 146" (370cm) Through and Including 195" (495cm)
2ARZ	AXLE, FRONT NON-DRIVING {Meritor MFS-18-133A} Wide Track, I-Beam Type, 18,000-lb Capacity
3ADG	SUSPENSION, FRONT, SPRING Parabolic Taper Leaf, Shackle Type, 18,000-lb Capacity, with Shock Absorbers
3WAJ	SPRINGS, FRONT AUXILIARY Air Bag, Right Side Only, Driver Control
4091	BRAKE SYSTEM, AIR Dual System for Straight Truck Applications
	<u>Includes</u> : BRAKE LINES Color and Size Coded Nylon : DRAIN VALVE Twist-Type : GAUGE, AIR PRESSURE (2) Air 1 and Air 2 Gauges; Located in Instrument Cluster : PARKING BRAKE CONTROL Yellow Knob, Located on Instrument Panel : PARKING BRAKE VALVE For Truck : QUICK RELEASE VALVE On Rear Axle for Spring Brake Release: 1 for 4x2, 2 for 6x4 : SPRING BRAKE MODULATOR VALVE R-7 for 4x2, SR-7 with relay valve for 6x4/8x6
4732	DRAIN VALVE {Berg} with Pull Chain, for Air Tank
4AZJ	AIR BRAKE ABS {Bendix AntiLock Brake System} 4-Channel (4 Sensor/4 Modulator) Full Vehicle Wheel Control System, with Automatic Traction Control
4EBD	AIR DRYER {Wabco System Saver 1200} with Heater
4EXU	BRAKE CHAMBERS, REAR AXLE {Bendix EverSure} 30/30 SqiN Spring Brake
4EXV	BRAKE CHAMBERS, FRONT AXLE {Bendix} 24 SqiN
4GBM	BRAKE, PARKING Manual Push-Pull Pneumatic Parking Brake
4LAG	SLACK ADJUSTERS, FRONT {Gunitite} Automatic
4LGG	SLACK ADJUSTERS, REAR {Gunitite} Automatic
4LGR	SLACK ADJUSTER PINS Stainless Steel Slack Adjuster Pins/Cotter Pins on Front and Rear
4SPA	AIR COMPRESSOR {Cummins} 18.7 CFM
4VKC	AIR DRYER LOCATION Mounted Inside Left Rail, Back of Cab
4VKK	AIR TANK LOCATION (2) Mounted Under Battery Box, Outside Right Rail, Back of Cab, Perpendicular to Rail
4WBX	DUST SHIELDS, FRONT BRAKE for Air Cam Brakes
4WDM	DUST SHIELDS, REAR BRAKE for Air Cam Brakes
4XDR	BRAKES, REAR {Meritor 16.5X7 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 7", 23,000-lb Capacity per Axle

<u>Code</u>	<u>Description</u>
4XDT	BRAKES, FRONT {Meritor 16.5X6 Q-PLUS CAST} Air S-Cam Type, Cast Spider, Fabricated Shoe, Double Anchor Pin, Size 16.5" X 6", 23,000-lb Capacity
5710	STEERING COLUMN Tilting and Telescoping
5CAW	STEERING WHEEL 4-Spoke; 18" Dia., Black
5PTB	STEERING GEAR (2) {Sheppard M100/M80} Dual Power
6DGB	DRIVELINE SYSTEM {Dana Spicer} SPL140, for 4x2/6x2
7BEU	AFTERTREATMENT COVER Aluminum
7BLW	EXHAUST SYSTEM Horizontal Aftertreatment System, Frame Mounted Right Side Under Cab, for Single Vertical Tail Pipe, Frame Mounted Right Side Back of Cab
7SCP	ENGINE EXHAUST BRAKE for Cummins ISB/B6.7/ISL/L9 Engine with Variable Vane Turbo Charger
7WBA	TAIL PIPE (1) Turnback Type, Bright
7WBS	MUFFLER/TAIL PIPE GUARD (1) Bright Stainless Steel
7WDM	EXHAUST HEIGHT 10'
8000	ELECTRICAL SYSTEM 12-Volt, Standard Equipment
	<u>Includes</u>
	: DATA LINK CONNECTOR For Vehicle Programming and Diagnostics In Cab
	: HAZARD SWITCH Push On/Push Off, Located on Instrument Panel to Right of Steering Wheel
	: HEADLIGHT DIMMER SWITCH Integral with Turn Signal Lever
	: PARKING LIGHT Integral with Front Turn Signal and Rear Tail Light
	: STARTER SWITCH Electric, Key Operated
	: STOP, TURN, TAIL & B/U LIGHTS Dual, Rear, Combination with Reflector
	: TURN SIGNAL SWITCH Self-Cancelling for Trucks, Manual Cancelling for Tractors, with Lane Change Feature
	: WINDSHIELD WIPER SWITCH 2-Speed with Wash and Intermittent Feature (5 Pre-Set Delays), Integral with Turn Signal Lever
	: WINDSHIELD WIPERS Single Motor, Electric, Cowl Mounted
	: WIRING, CHASSIS Color Coded and Continuously Numbered
8518	CIGAR LIGHTER Includes Ash Cup
8GXD	ALTERNATOR {Leece-Neville AVI160P2013} Brush Type, 12 Volt, 160 Amp Capacity, Pad Mount, with Remote Sense
8HAB	BODY BUILDER WIRING Back of Day Cab at Left Frame or Under Sleeper, Extended or Crew Cab at Left Frame; Includes Sealed Connectors for Tail/Amber Turn/Marker/ Backup/Accessory Power/Ground and Sealed Connector for Stop/Turn
8HAT	WIRING, SPECIAL Includes Wires Installed Through the Dash Panel and End in Engine Compartment, In Cab Wire Ends Will Have ESC Input Terminals, Engine Compartment Wire Ends will have Sealed Connectors
8MSG	BATTERY SYSTEM {Fleetrite} Maintenance-Free, (3) 12-Volt 1980CCA Total, Top Threaded Stud
8RGA	2-WAY RADIO Wiring Effects; Wiring with 20 Amp Fuse Protection, Includes Ignition Wire with 5 Amp Fuse, Wire Ends Heat Shrink and Routed to Center of Header Console in Cab
8RMV	SPEAKERS (2) 6.5" Dual Cone Mounted in Doors
8RPP	ANTENNA Shark Fin, Roof Mounted
8RPS	RADIO AM/FM/WB/Clock/Bluetooth/USB Input/Auxiliary Input
8THB	BACK-UP ALARM Electric, 102 dBA
8THJ	AUXILIARY HARNESS 3.0' for Auxiliary Front Head Lights and Turn Signals for Front Plow Applications

<u>Code</u>	<u>Description</u>
8TMG	TRAILER CONNECTION SOCKET {Phillips} 7-Way, Mounted at Rear of Frame, Wired for Turn Signals Combined with Stop, Compatible with Trailers with Combined Stop, Tail, Turn Lamps
8TNR	BATTERY CABLES with 36" of Extra Length Coiled and Strapped Near Battery Box
8VAY	HORN, ELECTRIC Disc Style
8VUK	BATTERY BOX Aluminum, with Plastic Cover, 18" Wide, 2-4 Battery Capacity, Mounted Right Side Back of Cab
8WGL	WINDSHIELD WIPER SPD CONTROL Force Wipers to Slowest Intermittent Speed When Park Brake Set and Wipers Left on for a Predetermined Time
8WPH	CLEARANCE/MARKER LIGHTS (5) {Truck Lite} Amber LED Lights, Flush Mounted on Cab or Sunshade
8WPZ	TEST EXTERIOR LIGHTS Pre-Trip Inspection will Cycle all Exterior Lamps Except Back-up Lights
8WRB	HEADLIGHTS ON W/WIPERS Headlights Will Automatically Turn on if Windshield Wipers are turned on
8WWJ	INDICATOR, LOW COOLANT LEVEL with Audible Alarm
8WXG	STARTING MOTOR {Mitsubishi Electric Automotive America 105P} 12-Volt, with Soft-Start
8XAH	CIRCUIT BREAKERS Manual-Reset (Main Panel) SAE Type III with Trip Indicators, Replaces All Fuses
8XGT	TURN SIGNALS, FRONT Includes LED Side Turn Lights Mounted on Fender
8XHC	ALARM, PARKING BRAKE Electric Horn Sounds in Repetitive Manner when Vehicle Park Brake is "NOT" Set, with Ignition "ON" or "OFF" and any Door Opened and Brake Pedal Released
8XHD	BATTERY DISCONNECT SWITCH 300 Amp, Disconnects Charging Circuits, Locks with Padlock, Cab Mounted
8XHN	HORN, AIR Single Trumpet, Black, with Lanyard Pull Cord
8XNY	HEADLIGHTS Halogen
9585	FENDER EXTENSIONS Rubber
9AAB	LOGOS EXTERIOR Model Badges
9AAE	LOGOS EXTERIOR, ENGINE Badges
9HAN	INSULATION, UNDER HOOD for Sound Abatement
9HBM	GRILLE Stationary, Chrome
9HBN	INSULATION, SPLASH PANELS for Sound Abatement
9WAC	BUG SCREEN Mounted Behind Grille
9WBC	FRONT END Tilting, Fiberglass, with Three Piece Construction, for WorkStar/HV
10060	PAINT SCHEMATIC, PT-1 Single Color, Design 100
	<u>Includes</u>
	: PAINT SCHEMATIC ID LETTERS "WK"
10761	PAINT TYPE Base Coat/Clear Coat, 1-2 Tone
10AGB	COMMUNICATIONS MODULE Telematics Device with Over the Air Programming; Includes Five Year Data Plan and International 360
10SLV	PROMOTIONAL PACKAGE Government Silver Package
11001	CLUTCH Omit Item (Clutch & Control)
12703	ANTI-FREEZE Red, Extended Life Coolant; To -40 Degrees F/ -40 Degrees C, Freeze Protection

<u>Code</u>	<u>Description</u>
12849	BLOCK HEATER, ENGINE 120V/1000W, for Cummins ISB/B6.7/ISL/L9 Engines <u>Includes</u> : BLOCK HEATER SOCKET Receptacle Type; Mounted below Drivers Door
12ESN	ENGINE, DIESEL {Cummins L9 350} EPA 2021, 350HP @ 2200 RPM, 1050 lb-ft Torque @ 1200 RPM, 2200 RPM Governed Speed, 350 Peak HP (Max)
12THT	FAN DRIVE {Horton Drivemaster} Two-Speed Type, Direct Drive, with Residual Torque Device for Disengaged Fan Speed <u>Includes</u> : FAN Nylon
12UWZ	RADIATOR Aluminum, Cross Flow, Front to Back System, 1228 SqIn, with 1167 SqIn Charge Air Cooler, Includes In-Tank Oil Cooler <u>Includes</u> : DEAERATION SYSTEM with Surge Tank : HOSE CLAMPS, RADIATOR HOSES Gates Shrink Band Type; Thermoplastic Coolant Hose Clamps : RADIATOR HOSES Premium, Rubber
12VAG	AIR CLEANER Single Element, with Integral Snow Valve and In-Cab Control
12VJH	EMISSION, CALENDAR YEAR {Cummins L9} EPA, OBD and GHG Certified for Calendar Year 2023
12VXT	THROTTLE, HAND CONTROL Engine Speed Control; Electronic, Stationary, Variable Speed; Mounted on Steering Wheel
12VYL	ACCESSORY WIRING, SPECIAL for Road Speed Wire Coiled Under Instrument Panel for Customer Use
12WZE	CARB IDLE COMPLIANCE Federal, Does Not Comply with California Clean Air Idle Regulations
12XBM	ENGINE CONTROL, REMOTE MOUNTED Provision for; Includes Wiring for Body Builder Installation of PTO Controls and Starter Lockout, with Ignition Switch Control, for Cummins B6.7 and L9 Engines
12XCS	CARB EMISSION WARR COMPLIANCE Federal, Does Not Comply with CARB Emission Warranty
13BCS	TRANSMISSION, AUTOMATIC {Allison 3000 RDS} 6th Generation Controls, Close Ratio, 6-Speed with Double Overdrive, with PTO Provision, Less Retarder, Includes Oil Level Sensor, with 80,000-lb GVW and GCW Max, On/Off Highway
13WET	TRANSMISSION SHIFT CONTROL Column Mounted Stalk Shifter, Not for Use with Allison 1000 & 2000 Series Transmission
13WGK	TRANSMISSION COOLER HOSES Stainless Steel
13WLP	TRANSMISSION OIL Synthetic; 29 thru 42 Pints
13WUC	ALLISON SPARE INPUT/OUTPUT for Rugged Duty Series (RDS) and Regional Haul Series (RHS), General Purpose Trucks, Construction, Package Number 223
13WVV	NEUTRAL AT STOP Allison Transmission Shifts to Neutral When Service Brake is Depressed and Vehicle is at Stop; Remains in Neutral Until Service Brake is Released
13WYH	TRANSMISSION TCM LOCATION Located Inside Cab
13WYU	SHIFT CONTROL PARAMETERS {Allison} 3000 or 4000 Series Transmissions, Performance Programming
13XAM	PTO LOCATION Dual, Customer Intends to Install PTO at Left and/or Right Side of Transmission
14051	AXLE, REAR, SINGLE {Meritor RS-23-160} Single Reduction, 23,000-lb Capacity, 200 Wheel Ends . Gear Ratio: 6.43
14899	SUSPENSION AIR CONTROL VALVE Pressure Release Control In Cab

<u>Code</u>	<u>Description</u>
14TBZ	SUSPENSION, REAR, AIR, SINGLE {Hendrickson PRIMAAX EX} 23,000-lb Capacity, 9.0" Ride Height, with Shock Absorbers
14WMG	AXLE, REAR, LUBE {EmGard FE-75W-90} Synthetic Oil; 30 thru 39.99 Pints
15924	FUEL TANK STRAPS Bright Finish Stainless Steel
15BAA	DEF TANK COVER Stainless Steel
15LNR	FUEL/WATER SEPARATOR {Racor 400 Series} with Primer Pump, Includes Water-in-Fuel Sensor, Mounted on Engine
15SGG	FUEL TANK Top Draw, Non-Polished Aluminum, D-Style, 19" Tank Depth, 70 US Gal (265L), Mounted Left Side, Under Cab
15WDG	DEF TANK 7 US Gal (26L) Capacity, Frame Mounted Outside Left Rail, Under Cab
16030	CAB Conventional, Day Cab
16ATC	AUTOMATIC CLIMATE CONTROL Automatically Maintains Cabin Comfort Based on Selected Temperature
16BAM	AIR CONDITIONER with Integral Heater and Defroster
16GEG	GAUGE CLUSTER Premium Level; English with English Electronic Speedometer
	<u>Includes</u>
	: GAUGE CLUSTER DISPLAY: Base Level (3" Monochromatic Display), Premium Level (5" LCD Color Display); Odometer, Voltmeter, Diagnostic Messages, Gear Indicator, Trip Odometer, Total Engine Hours, Trip Hours, MPG, Distance to Empty/Refill for
	: GAUGE CLUSTER Speedometer, Tachometer, Engine Coolant Temp, Fuel Gauge, DEF Gauge, Oil Pressure Gauge, Primary and Secondary Air Pressure
	: WARNING SYSTEM Low Fuel, Low DEF, Low Oil Pressure, High Engine Coolant Temp, Low Battery Voltage (Visual and Audible), Low Air Pressure (Primary and Secondary)
16HGH	GAUGE, OIL TEMP, AUTO TRANS for Allison Transmission
16HHE	GAUGE, AIR CLEANER RESTRICTION {Filter-Minder} with Black Bezel, Mounted in Instrument Panel
16HKT	IP CLUSTER DISPLAY On Board Diagnostics Display of Fault Codes in Gauge Cluster
16JNV	SEAT, DRIVER {National 2000} Air Suspension, High Back with Integral Headrest, Cloth, Isolator, 1 Chamber Lumbar, 2 Position Front Cushion Adjust, -3 to +14 Degree Back Angle Adjust
16SEE	GRAB HANDLE, EXTERIOR Chrome, Towel Bar Type, with Anti-Slip Rubber Inserts, for Cab Entry Mounted Left Side at B-Pillar
16SMM	SEAT, PASSENGER {National} Non Suspension, High Back, Fixed Back, Integral Headrest, Cloth
16SNT	MIRRORS (2) Aero Pedestal, Power Adjust, Heated, Turn Signals, Black Heads and Arms, 6.5" x 14" Flat Glass, Includes 6.5" x 6" Convex Mirrors, for 102" Load Width
	<u>Notes</u>
	: Mirror Dimensions are Rounded to the Nearest 0.5"
16VKK	CAB INTERIOR TRIM Diamond, for Day Cab
	<u>Includes</u>
	: CONSOLE, OVERHEAD Molded Plastic with Dual Storage Pockets, Retainer Nets and CB Radio Pocket; Located Above Driver and Passenger
	: DOME LIGHT, CAB Door Activated and Push On-Off at Light Lens, Timed Theater Dimming, Reading Lights; Integral to Overhead Console, Center Mounted
	: SUN VISOR (3) Padded Vinyl; 2 Moveable (Front-to-Side) Primary Visors, Driver Side with Vanity Mirror and Toll Ticket Strap, plus 1 Auxiliary Visor (Front Only), Driver Side
16VLV	MONITOR, TIRE PRESSURE Omit

<u>Code</u>	<u>Description</u>
16VSL	WINDSHIELD Heated, Single Piece
16WBY	ARM REST, RIGHT, DRIVER SEAT
16WJU	WINDOW, POWER (2) and Power Door Locks, Left and Right Doors, Includes Express Down Feature
16WSK	CAB REAR SUSPENSION Air Bag Type
16WSL	MIRROR, CONVEX, HOOD MOUNTED {Lang Mekra} (2) Right and Left Sides, Black 7.5" Sq.
16XJP	INSTRUMENT PANEL Wing Panel
16XWD	SUNSHADE, EXTERIOR Aerodynamic, Painted Roof Color, with Integral Clearance/Marker Lights
16XWJ	WINDSHIELD WIPER BLADES Snow Type
16XWY	WINDSHIELD WASHER RESERVOIR Mounted Under Cab with Remote Fill Mounted Behind Cab Drivers Side
16XXC	COWL TRAY LID
16ZJA	ACCESS, CAB Aluminum, Self-Cleaning, Open and Serrated Design, Driver & Passenger Sides, Two Steps per Door, for use with Day Cab, Extended Cab or Sleeper Cab
27DUR	WHEELS, FRONT {Accuride 41730} DISC; 22.5x9.00 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
28DWR	WHEELS, REAR {Accuride 43644} DUAL DISC; 22.5x8.25 Rims, Standard Polish Aluminum, 10-Stud, 285.75mm BC, Hub-Piloted, Flanged Nut, with Steel Hubs
7382135444	(4) TIRE, REAR 11R22.5 Load Range H HDR2+ (CONTINENTAL), 491 rev/mile, 75 MPH, Drive
7792545438	(2) TIRE, FRONT 315/80R22.5 Load Range L HSC 3 (CONTINENTAL), 481 rev/mile, 68 MPH, All-Position
	Cab schematic 100WK
	Location 1: 0311, Omaha Orange (Std)
	Chassis schematic N/A

Services Section:

40128	WARRANTY Standard for HV507, HV50B, HV607 Models, Effective with Vehicles Built July 1, 2017 or Later, CTS-2025A
40VHS	SRV CONTRACT, EXT CMS ENG/AFTR {Cummins} To 60-Month/100,000 Miles (160,000 km), Extended Cummins L9 Engine Coverage, Protection Plan 1 and Aftertreatment, (Truck Application Only)

Body/Allied Equipment

<u>Code</u>	<u>Description</u>
Goods Purchased	
<u>Code</u>	<u>Description</u>

<u>Description</u>	(US DOLLAR)	<u>Price</u>
Net Sales Price:		\$126,789.00

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

Please feel free to contact me regarding these specifications should your interests or needs change. I am confident you will be pleased with the quality and service of an International vehicle.

PRICE QUOTED IS CURRENT PRICE OFFERED BY THE MANUFACTURER. BE AWARE FINAL PRICE AT DELIVERY COULD CHANGE DUE ADDITIONAL COSTS BY MANUFACTURER.

PRICE GUARANTEE DOES NOT INCLUDE GOVERNMENT MANDATES AND ASSOCIATED COSTS, SPECIFICATION CHANGES, FREIGHT, VENDOR PRICE INCREASES AND COMPONENT AVAILABILITY OR MODEL DISCONTINUATION, AND MATERIAL SHORTAGE SURCHARGES. THE AVAILABILITY OF THE TIRES QUOTED CANNOT BE GUARANTEED. INTERNATIONAL RESERVES THE RIGHT TO SUBSTITUTE ANY OR ALL OF THE TIRES, WITH TIRES OF COMPARABLE SIZE FROM ANOTHER MANUFACTURER. INTERNATIONAL AND AFFILIATED DEALERS ARE NOT RESPONSIBLE FOR THE EXPENSE OF CHANGING THE TIRES TO ANOTHER BRAND OR TREAD DESIGN.

This proposal (quote) is valid if chassis is produced by 12/31/23 (price does not guarantee cost of freight or surcharges). Chassis built after 12/31/23 will receive new pricing once build date has been determined. The future cost of Freight, surcharges and 2024 emission charges, are unknown currently, your Lakeside representative will communicate these new increases as soon as we are notified.

NOT A BINDING CONTRACT

Approved by Seller:

Accepted by Purchaser:

Official Title and Date

Authorized Signature

Village of Jackson
Firm or Business Name
[Signature] 3/27/2023
Authorized Signature and Date

This proposal is not binding upon the seller without
Seller's Authorized Signature

Director of Public Works 3/27/2023
Official Title and Date

The TOPS FET calculation is an estimate for reference purposes only. The seller or retailer is responsible for calculating and reporting/paying appropriate FET to the IRS.

The limited warranties applicable to the vehicles described herein are Navistar, Inc.'s standard printed warranties which are incorporated herein by reference and to which you have been provided a copy and hereby agree to their terms and conditions.

Brian Kober

From: Brian Kober
Sent: Monday, July 17, 2023 3:19 PM
To: Jake Baneck
Cc: Kris Vasko; Jen Keller
Subject: RE: The Oaks of Jackson-Change Order #1-Roadway Stabilization
Attachments: Change Order #1-Roadway Stabilization.pdf

Jake,

As per our phone call today, the Village Board would give final approval of the change order on Tuesday, August 8th, although, we know time is of the essence to keep the project on schedule.

The road stabilization is scheduled for July 28th. This email is to confirm that stabilization will be used if necessary to achieve the proper road subbase for the Oaks of Jackson Subdivision.

The item will be on the Board of Public Works agenda on Tuesday, July 25th for discussion and recommendation to the Village Board.

If you have any questions please do not hesitate to ask.

Brian W. Kober. P.E.
Director of Public Works/Village Engineer
Village of Jackson
W194 N16660 Eagle Drive
Jackson, WI 53037
Phone: 262-677-0707
Fax: 262-677-8770

From: Jake Baneck <Jake@dftomasini.com>
Sent: Thursday, July 6, 2023 3:24 PM
To: Brian Kober <brian.kober@villageofjacksonwi.gov>
Cc: Kris Vasko <kris@dftomasini.com>
Subject: The Oaks of Jackson-Change Order #1-Roadway Stabilization

Brian,

As requested, attached is the change order for cement stabilization of the roadway. Please let me know if you have any questions.

Thanks,



Jake Baneck, P.E. | Project Manager
N70 W25176 Indian Grass Ln. | Sussex, WI 53089
C: 414.588.7957 O: 262.820.8300 F: 262.820.8400
jake@dftomasini.com
www.dftomasini.com



D.F. Tomasini Contractors, Inc.
N70 W25176 Indian Grass Lane - Sussex, WI 53089
Phone: (262) 820-8300 Fax: (262) 820-8400

**CONTRACT CHANGE /
MODIFICATION
1**

PROJECT NAME: The Oaks of Jackson
PROJECT # SEH No. JACKV170026
PROJECT MANAGER / FOREMAN: Jake Baneck
JOB# 2262
PROJECT ENGINEER OR CUSTOMER: Brian Kober P.E.- Village of Jackson

D.F. Tomasini Contractors is requesting to make the following changes / modifications as stated below for compensation on the project listed above:

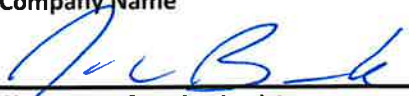
QTY.	UOM	DESCRIPTION	UNIT PRICE	TOTAL
1	LS	Mobilization for Cement Stabilization	\$5,197.50	\$5,197.50
10,525	SY	12" Cement Stabilization	7.93	83,463.25
1	LS	Final Grading During Stabilization	13,328.70	13,328.70
GRAND TOTAL:				\$101,989.45

REASON FOR CHANGE / MODIFICATION:

Stabilization of the roadway sub-base.

NOTE:

ACCEPTED: The above prices and specification of this change / modification are satisfactory and are hereby accepted. All work, which is the subject of this change / modification is to be performed under the same terms and conditions as specified in the original contract unless otherwise stipulated.

D.F. Tomasini Contractors, Inc.
Company Name

Signature of Authorized Agent

7/6/2023
Date Submitted

Brian Kober P.E.- Village of Jackson
Project Engineer / Customer

Signature of Authorized Agent

Date of Acceptance

ROCK SOLID

STABILIZATION & RECLAMATION, INC.

1001 Williams Road
Genoa City, WI 53128
Phone: (262) 240 4100
Fax: (262) 240 4101



Proposal No. 1
Page No. 1
Date 26-Jun-23

Proposal Submitted To

Attn Jake Baneck
Company D. F. Tomasini Contractors, Inc.
Street N70 W25176 Indian Grass Ln
City Sussex State WI 53089
Phone 414.588.7957
Email jake@dftomasini.com

Work To Be Performed At

Job Name The Oaks of Jackson
Street
City Jackson State WI
Plans By: Dated:

Rock Solid Stabilization & Reclamation, Inc. hereby proposes to furnish the materials and perform the labor necessary for the completion of:

Option	Item Description	LBS/SY	Units	Quantity	Unit Price	Bid Amount
	Mobilization (see note 2)	n/a	EA	1	\$ 4,950.00	\$ 4,950.00
1	5% - 12 inches Cement Stabilization	48-50	SY	10,000	\$ 7.55	\$ 75,500.00
	Bond 1.5% (if required)					
					Estimated Total	\$ 80,450.00
2a	Per Box of Teeth (1 box of teeth per day ave / bill for anything above)		EA	TBD	\$ 425.00	TBD
2b	Per Box of Holders (bill for any holders required to be replaced)		EA	TBD	\$ 1,050.00	TBD

If large Rock or Coble is present Rock Solid Reserves the right to refuse work / Above will be charged if excessive damage occurs

Due to limited geotechnical information this proposal is based on an assumed dry density of the existing soil of 110 lbs/cf.

Stabilizer

- ☒ Cement
- ☐ Class "C" Fly Ash
- ☐ Emulsion
- ☐ Lime Kiln Dust
- ☐ Quicklime
- ☐ Add Rock
- ☐ None
- ☐ _____

Processing

- ☐ Pre-Pulverization
- ☒ Computerized Spreading
- ☒ Mixing
- ☒ Water Injection
- ☒ Delivery of Water *
- ☒ 84" Padfoot Compaction
- ☐ Finish Grading (+/- .1')
- ☐ Finish Rolling
- ☐ Initial Wet Cure
- ☐ Wet Curing

Additional Services

- ☐ Mix Design
- ☐ Proof Roll
- ☐ QC Testing
- ☐ Surveying
- ☐ Traffic Control
- ☐ Trimming
- ☐ Water *
- ☐ Potholing
- ☒ Work Performed: July 2023

Additional Terms

- ☒ Material Sales Tax (See note 9)
- ☐ Permits
- ☐ P&P Bonds
- ☒ Min 8,000 sy/day available

* See Attached Schedule A for Important Notes

All work shall be completed in a substantial workmanlike manner as described and billed for on an as measured unit priced basis.

PAYMENT IS DUE WITHIN 15 DAYS OF BILLING, NO RETENTION HELD, THEREAFTER INTEREST WILL BE ADDED AT THE RATE OF 1 1/2% PER MONTH. Any legal action shall be filed in the 22nd Judicial Circuit Court and prevailing party shall recover its attorney fees.

Workman's Compensation and General Liability Insurance on all work to be secured by Rock Solid Stabilization & Reclamation, Inc.

Respectfully submitted Jeff Ramlow
Jeff Ramlow
Estimator

Note - This proposal may be withdrawn by us if not accepted within 15 days of bid date.

ACCEPTANCE OF PROPOSAL

I have read the above proposal and understand its full content. I hereby personally guarantee payment of all sums that are due including attorney fees incurred in enforcing this guaranty. The above prices, specifications, and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above. In the event the terms of this proposal contradicts any terms of future contracts, the terms of this proposal shall prevail.

Date _____

Signature _____

UPON ACCEPTANCE, PLEASE SIGN AND RETURN A COPY

ROCK SOLID

STABILIZATION & RECLAMATION, INC.

1001 Williams Road
Genoa City, WI 53128
Phone: (262) 240 4100
Fax: (262) 240 4101



Schedule A

The Oaks of Jackson

Important Notes:

- 1.) Without an approved mix design by a licensed geotechnical engineer to determine the characteristics and make-up of the existing soil, aggregate, asphalt or combination thereof Rock Solid will not guarantee the treated cross-section against future defects. Furthermore, Rock Solid stands behind it's service and quality of the treated cross-section, but does not warranty or guarantee failures enabled by poor subsoil conditions, water infiltration, or poor surface layers that do not protect the treated cross-section.
- 2.) Mobilizations will be billed per each mobilization and per crew required to complete the project. Mobilizations to be added to any option provided.
- 3.) Owner / Contractor shall provide subgrade at -0.1' for each 12" layer of treatment to provide room for swelling.
- * 4.) Owner / Contractor shall supply (and pay if applicable) a clean water source on the project treatment site that can produce a minimum of 16,000 GAL / HR such as a pond or metered hydrant. Rock Solid shall deliver the water with it's own workforce.
- 5.) Rock Solid is not liable for damaging unmarked utilities, and reserves the right to refuse to mix over any shallow utilities. Shallow utilities are defined as utilities that are less than 24" below current grade. Our price does not include private utility locates and are to be completed by others.
- 6.) Grading to be completed (by customer) within 2 hrs of mixing stabilizer into the cross-section. Rock Solid will not be responsible for any failures do non-compliance.
- 7.) No work included for Sunday's or the following holidays and corresponding weekends: Memorial Day, 4th of July, Labor Day, Thanksgiving, Christmas Eve, Christmas, New Year's Eve, New Year's Day and our company wide safety training January 17th - 22nd of 2022.
- 8.) Unless otherwise stated, this proposal is bid for work to be completed the year in which this proposal was issued or stated in additional services on page 1.
- 9.) If the material sales tax box is checked, the unit price will include tax on materials only, unless other wise stated. This excludes use tax, service tax, excise tax or any other taxes not indicated. If the box is unchecked all taxes are excluded. Any changes in tax laws after the quote date are not included in the pricing.
- 10.) Pricing is subject to change pending a site visit, as info given may not match existing conditions at the time of work. If the site contains large cobble or high quantity of cobble, Rock Solid reserves the right to refuse further work.
- 11.) Due to limited geotechnical information this proposal is based a dry density of the existing soil at 110 lbs/cf.
- 12.) LKD, CKD, and Fly Ash are by products. Our pricing is based on their availability at the time work is to be performed. (products are sourced from local plants or storage facilities)
- 13.) Due to 2022 work-load, Rock Solid requires 2-4(+) weeks minimum lead time on all projects, from signed contract to mobilization, to secure material sourcing & trucking.
- 14.) Rock Solid reserves the right to substitute stabilizing materials that produce comparable results to those quoted.

Initial _____



Change Order Request #202316-1

202316 - The Oaks of Jackson

Job Totals	<i>Hours</i>	<i>Price</i>
Employees	40.00	\$4,600.00
Equipment	40.00	\$6,940.00
10% OH&P		\$1,154.00
Total Pricing		\$12,694.00

Final Grade Behind Rock Solid Stabilization

Employees	Hours	Unit Price	Price
Operator #1	16.00	\$108.00	\$1,728.00
Operator #1 OT	4.00 OT	\$143.00	\$572.00
Operator #2	16.00	\$108.00	\$1,728.00
Operator #2 OT	4.00 OT	\$143.00	\$572.00
	20.00	\$4,600.00	

Equipment	Hours	Unit Price	Price
1318 Dozer	20.00	\$187.00	\$3,740.00
1504 Roller	20.00	\$160.00	\$3,200.00
	8.00	\$6,940.00	

Village of Jackson 15 year Capital Road Improvements (2024 to 2039 and beyond) General Fund (Storm Sewer and Roadway), Sewer Utility, & Water Utility July 11, 2023										
Year	Improvement Project	Description of Project	Road Rating	Length of Project (ft)	Cost per foot	Construction Cost	Engineering Design & Inspection	Total Cost of Project	Type of Construction	Funding Source
2024	Chestnut Court	Ridgeway Drive to Dead End	2	422	\$600.00	\$253,200.00	\$63,300.00	\$316,500.00	Sanitary, Water, Storm with laterals, Streetlights	Jackson Sewer and Water Utilities & General Fund
2025	Industrial Drive	STH 60 to north 2000 ft	2	2,000	\$600.00	\$1,200,000.00	\$300,000.00	\$1,500,000.00	Sanitary, Water, Storm with laterals, Streetlights	Jackson Sewer and Water Utilities & General Fund
2026	Ridgeway Drive	Chestnut Court to Willow Ridge Drive	4	939	\$600.00	\$563,400.00	\$140,850.00	\$704,250.00	Sanitary, Water, Storm with laterals, Streetlights	Jackson Sewer and Water Utilities & General Fund
2027	Linden Drive	Hickory Lane to Dead End	3	581	\$600.00	\$348,600.00	\$87,150.00	\$435,750.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2028	Aspen Drive	Hickory Lane to Dead End	3	686	\$600.00	\$411,600.00	\$102,900.00	\$514,500.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2029	Hawthorne Drive	Hickory Lane to Dead End	3	739	\$600.00	\$443,400.00	\$110,850.00	\$554,250.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2030	Hickory Lane	Forest View Drive to Linden Drive	3	2,358	\$500.00	\$1,179,000.00	\$294,750.00	\$1,473,750.00	Storm Ponds, Paving	DNR Grants and General Fund
2031	Jackson Drive (South)	260 ft south of STH 60 to 1,000 ft south of 60	6	740	\$600.00	\$444,000.00	\$111,000.00	\$555,000.00	Sanitary under creek, water main to 12 inch	Jackson Sewer and Water Utilities
2032	Jackson Drive (North)	STH 60 to Georgetown Drive	2	528	\$600.00	\$316,800.00	\$79,200.00	\$396,000.00	Sanitary, Water, Storm with laterals, Streetlights	Utilities and General Fund (school moves)
2033	Georgetown Drive	Jackson Drive to Wilshire Drive	2	1,109	\$600.00	\$665,400.00	\$166,350.00	\$831,750.00	Sanitary, Water, Storm with laterals, Streetlights	Jackson Sewer and Water Utilities & General Fund
2034	N. Center Street	STH 60 to Tower Drive	3	1,320	\$600.00	\$792,000.00	\$198,000.00	\$990,000.00	Sanitary, Water, Storm with laterals, Streetlights	Jackson Sewer and Water Utilities & General Fund
2035	Eagle Drive	Hickory Lane to STH 60	3	2,376	\$500.00	\$1,188,000.00	\$297,000.00	\$1,485,000.00	Manholes, ditchline with 5 ft paved shoulder, lights	Jackson Sewer and General Fund
2036	Clover Lane	Hickory Lane to Dead End	4	422	\$600.00	\$253,200.00	\$63,300.00	\$316,500.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2037	Hickory Lane	Heather Drive to Sherman Road	5	951	\$600.00	\$570,600.00	\$142,650.00	\$713,250.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2038	Heather Lane	Hickory Lane to Dead End	4	422	\$600.00	\$253,200.00	\$63,300.00	\$316,500.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2039	Forest View Drive	Hickory Lane to Dead End	5	422	\$600.00	\$253,200.00	\$63,300.00	\$316,500.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2040	Eastwood Circle	Forest View to Dead End	4	370	\$600.00	\$222,000.00	\$55,500.00	\$277,500.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2041	Stonehedge Drive	Forest View to Hickory Lane	5	1,637	\$600.00	\$982,200.00	\$245,550.00	\$1,227,750.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
2042	Cedar Run Drive	Hickory Lane to Dead End	5	1,108	\$600.00	\$664,800.00	\$166,200.00	\$831,000.00	Curb boxes, Manholes, storm laterals, streetlights	Jackson Sewer and Water Utilities & General Fund
Totals			3.58	15,593	\$589.47	\$7,805,400.00	\$2,751,150.00	\$13,755,750.00		

Note: The average cost per foot for total reconstruction Village Projects from 2015 to 2021 was \$512.30. The average cost being used is \$600.00.

Note: LRIP funding is available during odd years. Funding is for roadway and storm sewer.

Note: The Jackson Sewer and Water Utilities & General Fund costs are split by thirds.

Note: The engineering and design costs is 25% of the construction cost.

LIGHTING PLAN LEGEND:

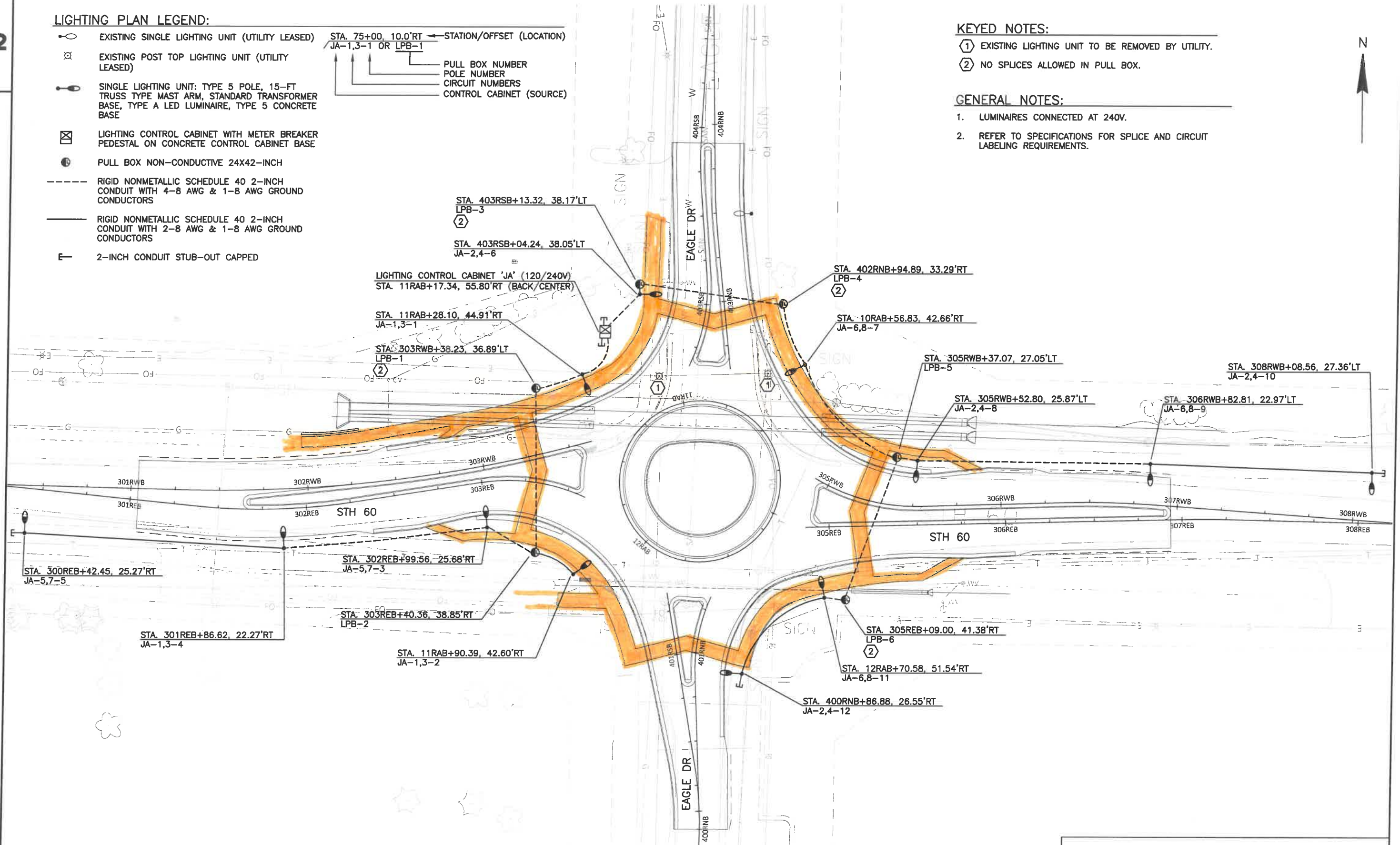
- EXISTING SINGLE LIGHTING UNIT (UTILITY LEASED)
 - ⊗ EXISTING POST TOP LIGHTING UNIT (UTILITY LEASED)
 - SINGLE LIGHTING UNIT: TYPE 5 POLE, 15-FT TRUSS TYPE MAST ARM, STANDARD TRANSFORMER BASE, TYPE A LED LUMINAIRE, TYPE 5 CONCRETE BASE
 - ⊠ LIGHTING CONTROL CABINET WITH METER BREAKER PEDESTAL ON CONCRETE CONTROL CABINET BASE
 - PULL BOX NON-CONDUCTIVE 24X42-INCH
 - RIGID NONMETALLIC SCHEDULE 40 2-INCH CONDUIT WITH 4-8 AWG & 1-8 AWG GROUND CONDUCTORS
 - RIGID NONMETALLIC SCHEDULE 40 2-INCH CONDUIT WITH 2-8 AWG & 1-8 AWG GROUND CONDUCTORS
 - 2-INCH CONDUIT STUB-OUT CAPPED
- STA. 75+00, 10.0'RT ← STATION/OFFSET (LOCATION)
JA-1,3-1 OR LPB-1
PULL BOX NUMBER
POLE NUMBER
CIRCUIT NUMBERS
CONTROL CABINET (SOURCE)

KEYED NOTES:

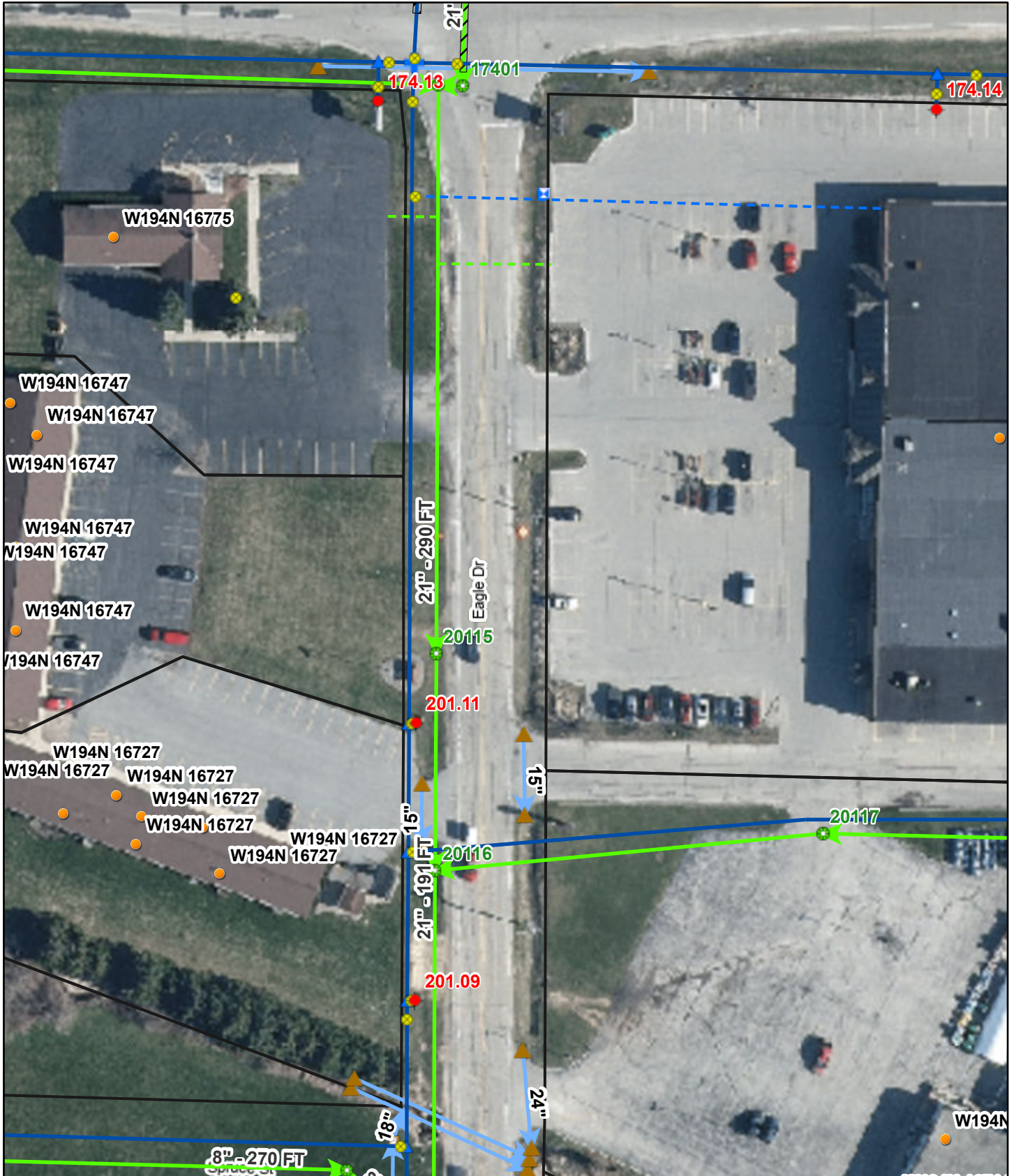
- ① EXISTING LIGHTING UNIT TO BE REMOVED BY UTILITY.
- ② NO SPLICES ALLOWED IN PULL BOX.

GENERAL NOTES:

- 1. LUMINAIRES CONNECTED AT 240V.
- 2. REFER TO SPECIFICATIONS FOR SPLICE AND CIRCUIT LABELING REQUIREMENTS.

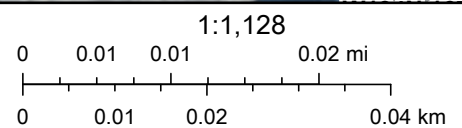


Village of Jackson



7/14/2023, 3:01:49 PM

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Green: Band_2	Red: Band_1	



Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, Washington County GIS, Esri Community Maps Contributors, County of Washington, WI, ©

Public Works Report

July 25, 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
February	Avg. Flow 1.351 MGD	Min. Flow 950,000 g.p.d.	Max. 3.130 MGD
March	Avg. Flow 1.762 MGD	Min. Flow 1.250 MGD	Max. 2.560 MGD
April	Avg. Flow 1.594 MGD	Min. Flow 980,000 g.p.d.	Max. 3.290 MGD
May	Avg. Flow 1.094 MGD	Min. Flow 780,000 g.p.d.	Max. 1.520 MGD
June	Avg. Flow 875,333 g.p.d.	Min. Flow 750,000 g.p.d.	Max. 1.050 MGD

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
Feb.	Avg.	576,070 g.p.d.	Highest Day 762,000 gals.	Total	16,130,000 gallons
March	Avg.	532,060 g.p.d.	Highest Day 713,000 gals.	Total	16,494,000 gallons
April	Avg.	597,230 g.p.d.	Highest Day 869,000 gals.	Total	17,917,000 gallons
May	Avg.	651,650 g.p.d.	Highest Day 1.243 MGD	Total	20,201,000 gallons
June	Avg.	850,070 g.p.d.	Highest Day 1.018 MGD	Total	24,152,000 gallons

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				

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

2023	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
January	1,232,950		1,000	2,800	72,460	\$11,841.10
February	1,299,600			1,000	27,000	\$11,121.30
March	849,250			18,800	62,550	\$ 9,203.75
April	Primary Clarifiers were receiving new diffusers.					
May	1,011,750			44,350	121,650	\$13,131.00
June	1,089,100			44,100	148,950	\$14,421.05

Morning Meadows Subdivision

Streetlights are being planned by the Village for installation in Phase 1 and 2. Punch list has been created for Phase 2 to accept the utilities. Phase 3 is going through the approval process to coincide with the CTH P Project.

Willow Ridge Drive Reconstruction Project

Installation of Streetlights is the remaining items.

Eagle Drive & STH 60 Intersection Improvement

Terra Venture Advisors are working on the land acquisition for the project. Working through the details and approvals. The plans are nearing the 100% plan stage.

Midwest Fiber Installation

Street Opening Permits have been approved for the Fiber to the Home Project. Now the request will be made 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 August Board of Public Works meeting with approval of the report at the September 12th Village Board meeting. If approved the Public Hearing will be held on October 10th, and the new impact and connection fees would start on January 1, 2024.

Stormwater Ponds Management Inspection Program

The program continues.

Main Street (STH 60) Sewer and Water Replacement

Final Assessments are being reviewed and the public hearing is scheduled for August 8th Village Board meeting.

CTH P (Sherman Road to STH 60) Utility Project

The Sherman Road Sewer Project has been completed. The remaining portion (CTH P & Highland Road) of the project will in August. Preliminary Special Assessments are being developed.

Maple Fields Subdivision

Streetlights still need to be completed in Phase 1. A punch list has been completed and recommendation to accept the sanitary sewer and waterman systems by resolution.

Next Generation Housing

All underground utility has been installed. The subgrade elevations are being completed in order to start the roadway construction. Questionable soils have required an option of stabilizing the soils by adding lime to the soil. Change Order #1 is on the agenda for discussion.

Jackson Park Tennis Court Pickleball Conversion

We are in the 28-day cure time for asphalt. The final surface is scheduled to start the first week of August. Concrete pads have been poured for bike racks and a patio siting area.

Hickory Park Splash Pad

The new control panel has arrived and installed. The splash pad is now up and running. The opening of the splash pad was just in time with the closing of the adjacent playground for surface repairs.

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