

AGENDA

Board of Public Works Meeting

Tuesday, October 31, 2017 - **7:00 p.m.**

Jackson Village Hall

N168W20733 Main Street

Jackson WI 53037

1. Call to Order and Roll Call.
2. Approval of Minutes for September 26, 2017 meeting.
3. Chateau Dr Reconstruction Project – Driveway Design/Punch list Discussion.
4. Village owned parcel containing ANR pipeline facility/Easement – Larry Hamlin.
5. Update on Reconstruction of Water and Street Department Building.
 - Review of Quotes for Ventilation System for Vehicle area.
6. Review of Proposed RFP for Engineering Service – Ridgeway Dr. Reconstruction Project.
7. Director of Public Works Report.
8. Citizens/Village Staff to address the Board.
9. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall 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, September 26, 2017 –7:00 p.m.
Jackson Village Hall
N168W20733 Main Street

1. Call to Order and Roll Call.

Chairman Tr. Don Olson called the meeting to order at 7:00 p.m.

Members present: Brian Heckendorf, Tr. Lippold, Gloria Teifke, Scott Thielmann, Tr. Kufahl, and Linda Granec.

Staff present: Chief Dolnick, Jim Micech, Brian Kober, John Walther, and Deanna Boldrey.

2. Approval of Minutes for August 29, 2017, meeting.

Motion by Tr. Lippold, second by Scott Thielmann to approve the minutes of the August 29, 2017, Board of Public Works meeting.

Vote: 7 ayes, 0 nays. Motion carried.

3. Discussion on year-round street parking Georgetown Drive.

Discussion of year-round street parking on Georgetown Drive ensued. This is from past discussions. Previously parking on Georgetown Drive was allowed by ordinance. The on street parking ordinance was removed with the recent recodification. Discussion ensued of the parking area and the snow removal from last year. Discussion ensued of possible future parking permits. Casey Latz was allowed the floor. She commented on the properties that she owns and the parking needed. She also commented on the parking needs for other properties. Discussion ensued of the monitoring and enforcement of parking permits. Chief Dolnick commented that Georgetown Drive is not unique in the Village as they have two spaces per unit. Many families in the Village are in the same boat. The park is available for parking. Georgetown is walking distance to Jackson Park. Not many are utilizing the park for parking. Kurt Meyer was present and spoke in favor of the parking. No motions were made on the item.

4. Update on Chateau Dr. Reconstruction Project.

Brian Kober reported on the project and the punch list. The landscaper has been back. This was a report only. No motions were made on the item. The grant money has been received.

5. Update on Reconstruction Water and Street Department Building.

A tour of the building was provided prior to the meeting. Tr. Kurtz, Tr. Emmrich, and Linda Granec toured the building with Jim Micech, Brian Kober and John Walther.

Cedar Corp Professional Service Proposal – Salt Storage Building.

Brian Kober reported on the salt building. The old salt building has served its purpose and would be difficult to move. Brian would like a design to meet the standards set by the DNR and WisDOT. The design would be submitted to the DNR, and WisDOT for approval. The current salt building is inspected annually by WisDOT and DNR for the General Stormwater Permit.

The steel cold storage building on Eagle Drive was recommended not to be used for salt storage because it is metal and the corrosive nature of the salt to metal. The quote from Cedar Corp to design the foundation is \$5,000.

Discussion ensued of using the existing salt building for one year and revisit the item in the Spring. Brian will make contacts for a lower quote.

Review of Ventilation System for Vehicle Area.

Brian reported on the Ventilation System. He referenced the Conditional Approval from the Department of Safety and Professional Services with regard to an exhaust ventilation system. He commented that this is a requirement by the state. He hopes to have the quote back by the next Board of Public Works Meeting or the Budget & Finance and Village Board Meetings.

Discussion using existing garage doors from old street department building.

Brian reported on the garage doors. The plan was to reuse the doors from the old building. Discussion of the doors ensued.

6. 2018 Budget Presentation – Building Inspection Department.

Jim Micech presented the 2018 Building Inspection Budget. There is one full-time inspector with, a commercial electrical inspector as needed.

The Village will be built out very soon. Jim presented information on the lots that are available per subdivision. There are seven lots left in the English Oaks subdivision. Laurel Springs has three lots available in phase one and approximately forty lots available in phase two when it is built. Cranberry Creek phase two has two pads available and Cranberry Creek phase three has one lot left. Stonewall Ridge has a multi-family buildings left to build. In Sherman Meadows, Twin Bridge Estates is underway and is expected to build one twelve family building per year over the next three years. The Crossings, two buildings are expected for next year. Cobblestone has one pad left for a two family. Dallman Village phase two has no updated plans at this time. Dallman Village phase one has one lot left. The single family lots are nearly built out. The incoming developments are vital to the Village's growth. The 2018 Building Inspection Department Budget is very similar to last year's budget. Jim reported that he is filing most forms and reports electronically. There have been issues with the speed of the internet with the filing of the forms and reports. The speed issues are being worked out.

Jim presented 2017 end of year projections and the 2018 budget for the Building Inspection Department.

7. 2018 – Five Year Capital Improvements Program.

Brian Kober presented the 2018 Five Year Capital Improvements Program. Discussion points included the water main under the tracks on Cedar Creek Road (Laurel Springs) and repaving of Cedar Creek Road / Jackson Drive.

8. 2018 Public Works Equipment Program.

Brian Kober presented the 2018 Public Works Equipment Program. Discussion ensued of a needed snowplow truck to replace the 1998 plow truck. Replacement of a zero turn lawn mower was discussed.

9. 2018 Budget Presentation – Public Works, Water & Wastewater Utilities.

Brian Kober presented the 2018 Public Works, Water & Wastewater Utilities. He reported on a 2% budget increase for the Public Works portion and a 1% budget increase for the Utilities portion.

10. Director of Public Works report.

Brian Kober gave the report. Motion by Linda Granec, second by Tr. Lippold to place the Director of Public Works report on file.

Vote: 7 ayes, 0 nays. Motion carried.

11. Citizens/Village Staff to Address the Board.

John Walther reported on the railroad tracks. He has been in contact with the Senator Stroebel Office and Representative Bob Gannon's Office in regards to the railroad tracks on Hwy 60. This has become a safety hazard as there is a sag in the road. There is a tele conference in the works in regards to the railroad tracks on Hwy 60.

12. Adjourn.

Motion by Linda Granec, second by Tr. Lippold to adjourn at 9:24 p.m.

Vote: 7 ayes, 0 nays. Motion carried.

Respectfully submitted by: Deanna L. Boldrey, Village Clerk-Treasurer

From: [John Walther](#)
To: [Brian Emmrich](#); [Debbie Kurtz](#); [Don Olson](#); [John Kruepke](#); [John Lippold](#); [Mike Kufahl](#); [Mike Schwab](#)
Cc: treasurer@villageofjackson.com; "Brian"
Subject: Chateau Drive - Board of Public Works Meeting
Date: Thursday, October 12, 2017 9:59:48 AM

To: Village Board

The Board, at its meeting on Tuesday evening, directed staff to work to finally resolve the issues on Chateau Drive.

Yet that evening, a meeting was scheduled for yesterday at 3:30 p.m. The pictures submitted by the Chateau Drive resident were viewed and discussed.

Thank you to one Trustee for attending the meeting. That Trustee believes the questions were answered satisfactorily.

While no residents attended, or even responded (and we understand the meeting was scheduled quickly), we believe what resulted from that meeting was productive, viz., the contractor and engineering firm will be represented at the October 31 Board of Public Works meeting.

You are urged to place this meeting on your calendar so that any questions you may still have can be answered.

Prior to that meeting you are also urged to actually walk both sides of the street to understand the situation first-hand.

While we understand satisfaction on the part of the residents is important, it is also important for the Village to be able to assess the property owners, to begin recovery of the approximate \$50,000 residents' portion as soon as possible.

Thank you for your consideration,

John M. Walther, Administrator

N168 W20733 Main St

PO Box 637

Jackson, WI 53037

262-677-9001 x 12

262-677-1710 fax

PLEASE NOTE EMAIL ADDRESS CHANGE:

jwalther@villageofjackson.com

September 26, 2017

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

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

I would like possession of the vacant strip of land West of our Lot
Line and East of the Pipeline easement. N165 W19955 Hickory
Lane, Jackson, Wisconsin.

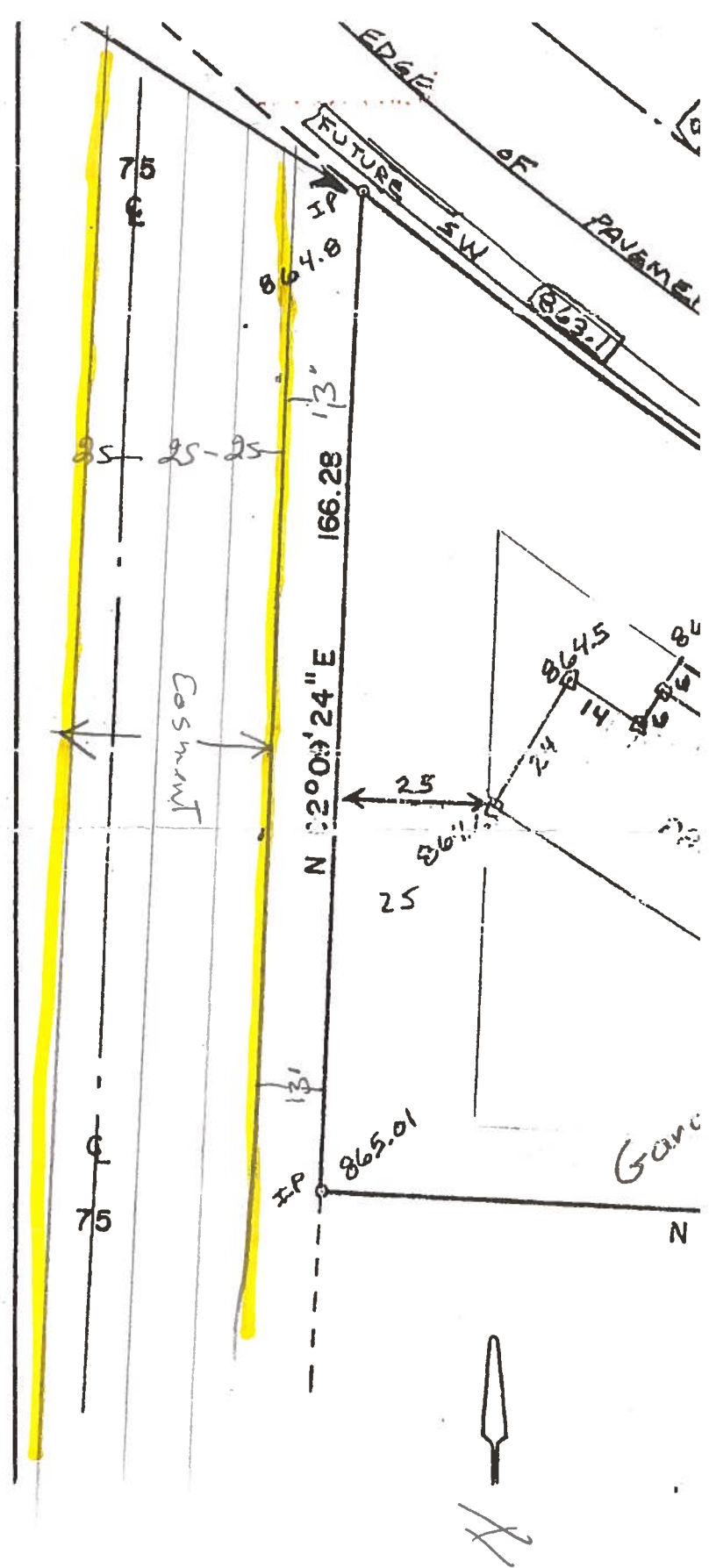
Sincerely yours,

Larry Hamlin

A handwritten signature in black ink, appearing to read 'Larry Hamlin', written over the printed name.

CC: file

Lane Hauling
 PW. Meeting Oct 31st



October 25, 2017

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

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

Subject: Proposal for Surveying Services
Village owned parcel containing ANR pipeline facility/easement

Dear Mr. Kober:

Thank you for the opportunity to provide a proposal to survey the Village owned parcel containing ANR pipeline facilities and associated easement, located west of Linden Circle and south of Hickory Lane. We look forward to maintaining our excellent working relationship with you by providing quality and efficient service that the Village can expect when working with Gremmer & Associates. The following is Gremmer & Associates' proposal to provide surveying services for the proposed project. Hereinafter, the Village of Jackson will be referred to as the OWNER and Gremmer & Associates, Inc. as the ENGINEER.

SCOPE OF WORK

The ENGINEER will provide the following services. Items of work not specifically mentioned below shall be considered additional services.

Phase 1:

1. Complete a boundary survey for the "park" land owned by the Village lying between Pinehurst Additions No. 6, 7, and 8 (as well as the northwest corner of Dallmann Village and maybe the northeast corner of Rivers Bluff subdivisions) to determine Village owned area.
2. Order (and ultimately research/review) a title search of the Village owned land to determine the original ANR easement limits.
3. Put together an exhibit showing the findings.
4. Stake with lath in the field.

Phase 2: (If the OWNER decides to move forward with land swap):

1. Individual plat of surveys and descriptions for each of the abutting properties (assume 17 properties).
2. Final monumentation at each property corner.

OWNER'S RESPONSIBILITY

1. Transferring the parcel descriptions onto the appropriate legal conveyance document (quit claim deed, warranty deed, etc.).
2. Payment of any governmental review/recording fees.
3. Legal counsel (if applicable).

COMPENSATION

ENGINEER'S lump sum fee to complete the survey work, as listed in the Scope of Work section of this document is as follows:

Phase 1 = \$5,800

Phase 2 = \$4,300

The ENGINEER shall prepare monthly invoices based upon a percent complete basis for services provided during the billing cycle. Invoices shall be paid by the OWNER within 30 days of OWNER'S receipt of said invoice.

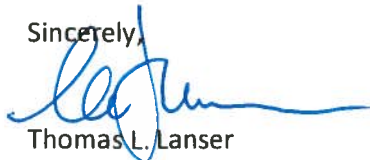
Additional services, at the request of the OWNER, will be billed according to the attached Professional Services Fee Schedule, dated May 1, 2017, and labeled Exhibit A.

GENERAL TERMS & CONDITIONS

ENGINEER's services will be performed in accordance with the attached General Terms and Conditions, dated May 1, 2017, and labeled Exhibit B. The receipt of a signed copy of the Agreement shall be considered as authorization to proceed with the services described.

Thank you again for the opportunity to propose on the subject project. If you have any questions or comments, please contact me at (920) 924-5720.

Sincerely,



Thomas L. Lanser
President
Gremmer & Associates, Inc.

If this proposal is acceptable, please sign below and return one copy to me for our files.

For the OWNER: Village of Jackson

Name

Date

Title

Exhibit A



PROFESSIONAL SERVICES FEE SCHEDULE

May 1, 2017 to April 30, 2018

Project Manager.....	\$130.00/hour
Project Engineer	\$115.00/hour
Senior Designer / Civil Engineer V	\$100.00/hour
Professional Land Surveyor / Survey Crew Chief.....	\$94.00/hour
One-man Survey Crew with GPS	\$120.00/hour
Civil Engineer IV / Engineering Specialist V	\$90.00/hour
Civil Engineer III / Engineering Specialist IV	\$84.00/hour
Civil Engineer II / Engineering Specialist III.....	\$78.00/hour
Civil Engineer I / Engineering Specialist II.....	\$72.00/hour
Engineering Specialist I / Civil Engineering Technician III	\$65.00/hour
Civil Engineering Technician II	\$60.00/hour
Civil Engineering Technician I	\$55.00/hour
Office Services	\$52.00/hour
Mileage	Current IRS rate
Meals, lodging, air travel, telephone, supplies, postage.....	At Cost
Printing Services (In-house)	
Photocopies (black & white)	\$0.10/impression
Photocopies (color)	\$0.25/impression
Large Format Plots (black & white)	\$1.00/S.F.
Large Format Plots (color).....	\$2.00/S.F.
Mylar.....	\$2.00/S.F.
Printing Services (Outside Service)	At Cost
Expert Witness	\$200.00/hour

Note: Office Services, Civil Engineering Technician, and Engineering Specialist I-III are paid time and one-half their actual wage for overtime. The respective billed rate will be approximately 18% higher than the published rate to account for the overtime rate.



GENERAL TERMS AND CONDITIONS

May 1, 2017 to April 30, 2018

1. This agreement, upon execution by both parties hereto, can be amended only by written instrument signed by both parties. As the project progresses, facts uncovered may reveal a change in direction, which may alter the scope. Gremmer & Associates, Inc., will promptly inform the Owner in writing of such situations so that changes in this agreement can be negotiated as required. In the event the Owner orders additional work to be performed and a written instrument is not executed by both parties, the Owner shall be responsible for all costs associated with the additional work.
2. Costs and schedule commitments shall be subject to renegotiation for delays caused by the Owner's failure to provide specified facilities or information, or for delays caused by unpredictable occurrences, including without limitation, fires, floods, riots, strikes, unavailability of labor or materials, delays or defaults by suppliers of materials or services, shutdowns, acts of God or the public enemy, or acts or regulations of any governmental agency. Temporary delay of services caused by any of the above, which results in additional costs beyond those outlined, may require renegotiation of this agreement.
3. Payment is due to Gremmer & Associates, Inc., upon 30 days of receipt of the invoice for professional services rendered. Failure to make any payment when due is a breach of this Agreement and will entitle Gremmer & Associates, Inc., at its option, to suspend or terminate the Agreement and the provisions of the Scope of Work. Interest of 1.5 percent per month (18 percent per annum) will accrue on accounts overdue by 30 days.
4. The Owner shall make available to Gremmer & Associates, Inc., all relevant information or data pertaining to the project which is required to perform the Scope of Work.
5. Gremmer & Associates, Inc., will provide and exercise the standard of care, skill and diligence required by customarily accepted professional practices normally provided in the performance of the services at the time and the location in which the services were performed.
6. Gremmer & Associates, Inc., will maintain insurance coverage in the following amounts:

Worker's Compensation	Statutory
General Liability	
General Aggregate	\$2,000,000
Operations / Injury	\$1,000,000
Automobile Liability	
Liability / Injury	\$1,000,000
Property Damage	Value or Repair
Professional Liability Insurance	\$1,000,000
Umbrella Liability Insurance	\$2,000,000

7. Termination of the agreement by the Owner or Gremmer & Associates, Inc., shall be effective upon seven (7) days written notice to the other party. The written notice shall include the reasons and details for termination. Gremmer & Associates, Inc., will prepare a final invoice showing all charges incurred through the date of termination. The Owner agrees to pay Gremmer & Associates, Inc., for the services performed to the date of termination.
8. Gremmer & Associates, Inc., intends to serve as the Owner's professional representative for those services as defined in this agreement and to provide advice and consultation to the Owner as a professional. Any opinions of probable project costs, approvals, and other decisions made by Gremmer & Associates, Inc., for the owner are rendered on the basis of experience and qualifications and represent our professional judgment. The Owner recognizes that Gremmer & Associates, Inc., does not have control over the costs of labor, materials or equipment, or over competitive bidding methods. Accordingly, Gremmer & Associates, Inc., does not make any commitment or assume any duty to assure that bids or negotiated prices will not vary from any cost opinions prepared by Gremmer & Associates, Inc.
9. This agreement shall not be construed as giving Gremmer & Associates, Inc., the responsibility or authority to direct or supervise construction means, methods, techniques, sequence, or procedures of construction selected by contractor or subcontractors, or the safety precautions and programs incident to the work of the contractors or subcontractors.
10. The Owner releases Gremmer & Associates, Inc., from any liability and agrees to defend, indemnify and hold Gremmer & Associates, Inc., harmless from any and all claims, damages, losses, and/or expenses, direct or indirect, or consequential damages, including but not limited to attorney's fees and charges, and court and arbitration costs, arising out of, or claimed to arise out of, the performance of the services, except liability arising from the negligence of Gremmer & Associates, Inc.

Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works
Subject: Street and Water Dept Building – Ventilation System
Date: October 27, 2017
CC: John Walther, Village Administrator

Converting a manufacturing building into a Street and Water Dept Building with vehicle storage and maintenance needs a required by code a ventilation system. Quotes were requested from four contractors and the Village received two for review. The following is a breakdown and recommendation of the two quotes:

1) Horsch & Miller	
A) Ventilation System	\$60,399.00
B) MUA Metal Racks	\$ 5,145.00
C) Gas Piping	\$ 3,834.00
	Total
	\$69,378.00
2) Matenaer Plumbing Inc.	
A) Total with rack and piping included	\$59,345.00

The recommendation is to use Matenaer Plumbing Inc. for the installation of the ventilation unit at a total cost of \$59,345.00 which is \$10,033.00 less than the other quote.

If you have any questions please let me know.

Brian W. Kober, P.E.

HORSCH & MILLER INC.

PLUMBING, HEATING
AND AIR CONDITIONING

136 Kettle Moraine Drive N.
P.O. Box 380
Slinger, WI 53086
Tel: 262-644-5466
Fax: 262-644-9404
MP 225573

PROPOSAL SUBMITTED TO:

Prepared by: Michael Kuepper

Village of Jackson
N168W20733 Main Street
Jackson 53037
Attn: Brian Kober
dirpubwks@villageofjackson.com

Date: 10/19/17
Page No: 1
Telephone: 262-677-9001
Cell: 414-333-9696

We hereby submit specifications and estimates for: **Village of Jackson Maintenance Building,
N194W16660 Eagle Drive, Jackson, WI 53037**

WATER SHOP

MAKE UP AIR UNIT

1 – Titan TAM-118 direct fired make up air unit consisting of:
7050 CFM max
ETL listed
2 PSI max gas pressure
All controls, motor and blower drive enclosed within unit
Easy access hinged and gasket doors
Electronic flame supervision
Main gas automatic safety shut-off valves
Gas train to meet or exceed ANSI standards
High temp limit control
Ignition transformer
Non-Fused through door disconnect switch
1.15 Service factor ODP blower motor
Adjustable motor base
Blower motor starter and overload protection
Forward curved industrial type blower with solid turned ground and polished shafting
Self aligning sealed ball bearings
Variable pitch blower drive
Indoor installation with G-90 galvanized casing
Direct ignition (with limitations)
Proved low fire start (with limitations)
25 to 1 turn down direct fired burner
High/low air flow proving switches
On board flame-fail diagnostics
Exhaust interlock contacts (exhaust starts with unit starter)
Remote control panel with summer winter off switch and discharge temperature set point
90 Degree intake hood with screen
Intake damper
Sheet metal duct work from intake hood/damper to MUA unit
Sheet metal duct with exterior insulation duct wrap
MUA unit installed on metal rack (not included in proposal) approximately 10' high
1 – OPERA 6002-14 24 volt CO/NO2 detector

Horsch & Miller Inc.

Proposal for: Village of Jackson – MUA systems

Page: 2

Date: October 27, 2017

EXHAUST FAN

1 – S&P LC24 7,050 CFM belt drive centrifugal sidewall exhaust fan with wall sleeve, back draft damper and exhaust hood

Sheet metal exhaust duct work from wall exhaust fan to 18" above floor

Note – S&P fan to be inter locked with Titan MUA system

SEWER SHOP

MAKE UP AIR UNIT

1 – Titan TAM-118 direct fired make up air unit consisting of:

7050 CFM max

ETL listed

2 PSI max gas pressure

All controls, motor and blower drive enclosed within unit

Easy access hinged and gasket doors

Electronic flame supervision

Main gas automatic safety shut-off valves

Gas train to meet or exceed ANSI standards

High temp limit control

Ignition transformer

Non-Fused through door disconnect switch

1.15 Service factor ODP blower motor

Adjustable motor base

Blower motor starter and overload protection

Forward curved industrial type blower with solid turned ground and polished shafting

Self aligning sealed ball bearings

Variable pitch blower drive

Indoor installation with G-90 galvanized casing

Direct ignition (with limitations)

Proved low fire start (with limitations)

25 to 1 turn down direct fired burner

High/low air flow proving switches

On board flame-fail diagnostics

Exhaust interlock contacts (exhaust starts with unit starter)

Remote control panel with summer winter off switch and discharge temperature set point

90 Degree intake hood with screen

Intake damper

Sheet metal duct work from intake hood/damper to MUA unit

Sheet metal duct with exterior insulation duct wrap

MUA unit installed on metal rack (not included in proposal) approximately 10' high

1 – OPERA 6002-14 24 volt CO/NO2 detector

EXHAUST FAN

1 – S&P LC24 7,050 CFM belt drive centrifugal sidewall exhaust fan with wall sleeve, back draft damper and exhaust hood

Sheet metal exhaust duct work from wall exhaust fan to 18" above floor

Note – S&P fan to be inter locked with Titan MUA system

Complete installation including:

Horsch & Miller Inc.

Proposal for: Village of Jackson – MUA systems

Page: 3

Date: October 27, 2017

1 – ST6008A1006 Time clock

Local permit

1 Year parts and labor warranty

Notes – Exterior metal wall framing, MAU metal racks, line voltage wiring and gas piping not included in proposal

TOTAL: \$60,399.00

MUA METAL RACKS

2 – Sets of 3"x3" x 3/16" tubular steel 90 deg. racks with 2"x 2" knee bracing, 12" square mounting flanges and 2"x 3/8 flat steel cross bracing

Racks approximately 10' high and 6' wide

Flanges mounted to concrete floor and block walls

ADD: \$5,145.00

GAS PIPING

1 – 2" X 2" X 1-1/4" Tee installed in existing 2" gas main next to concrete block wall

1-1/4" Gas line installed from new Tee to MUA locations

1" Gas lines from new main to new MUAs with gas valves

5 – Maxitrol 325-5L regulators installed on existing unit heaters

1 – Maxitrol 325-3L regulator installed on existing furnace

Note – Existing Gas pressure to be increased from 1/4# to 2# by WE Energies

Gas meter may have to be up sized per WE Energies

ADD: \$3,834.00

Horsch & Miller Inc.
Proposal for: Village of Jackson – MUA systems
Page: 4
Date: October 27, 2017

*LATE PAYMENT CHARGE OF 1% PER MONTH WILL BE CHARGED AFTER 15 DAYS ON UNPAID BALANCE OF CONTRACT
NOTE: A MAXIMUM CREDIT CARD PAYMENT OF \$2,500.00 IS ALLOWED PER CONTRACT*

WE PROPOSE—Hereby to furnish material and labor—complete in accordance with above specifications, for the sum of: \$

Payment to be made as follows: Monthly draws with final payment upon completion

NOTE: This proposal may be withdrawn by us if not accepted by: 11/30/17

ACCEPTANCE OF PROPOSAL—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.

Signature: _____
(Please sign 1 copy and return)

Signature: _____
Horsch & Miller Inc.

Date of acceptance: _____

Notice of Lien Rights

AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, BUILDER HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED BUILDER, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY

Horsch & Miller Inc.

Proposal for: Village of Jackson – MUA systems

Page: 5

Date: October 27, 2017

FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY. BUILDER AGREES TO COOPERATE WITH THE OWNER AND HIS LENDER, IF, ANY TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID.

MATENAER

PLUMBING, INC.

Heating & Air Conditioning

N1411 Super Dr
Campbellsport, WI 53010

Phone: (920) 533-3344

Fax: (920) 533-3355

service@matenaerplumbing.com

PROPOSAL # 17-079A

Sheet No. 1 of 3

Date: October 26, 2017

WI Master Plumber No. 227364

Registered WI Plumbing Designer No. 1350

Proposal submitted to:
Village of Jackson
N168W20733 Main Street
Jackson, WI 53037
Brian Kober
414-333-9696

Work to be performed at:
Village of Jackson
Maintenance Building
N194W16660 Eagle Dr
Jackson, WI 53037

We hereby submit specifications and estimates for the installation of:

<u>Description</u>	<u>Water Department Shop</u>	<u>Make-up Air</u>
1-Install 1-FloAire MUA-1 Direct Gas Fired Make-up Air Unit (625,000 BTU) Indoor Side Discharge Configuration		
• 7050CFM @.25 ESP • 5HP 208/3/60 (Line Voltage Wiring By Electrical Contractor) • Modulating Gas Train 25.1 Turndown • Remote Panel with SOW Switch • Freezestat Kit • Combination CO NO2 Detector (Line Voltage Wiring By Electrical Contractor) • Electromechanical Time Clock with 5 Cycles/Day • Installed on Metal Rack (By Others) Approximately 12' Above Finished Floor • Install Motorized Intake Damper Through South Wall of Building • Exterior Wall Metal Framing (If Needed) by Others		

<u>Description</u>	<u>Water Department Shop</u>	<u>Exhaust Fan</u>
1-Install 1-FloAire Axial Wall Exhaust Fan		
• 7220 CFM @ .2 ESP • 1.5 HP 208/3/60 (Line Voltage Wiring By Electrical Contractor) • 24" Diameter Prop Fan • Exhaust Hood with Bird Screen • Gravity Back Draft Damper • Wall Sleeve and Guard • Exterior Wall Metal Framing (If Needed) by Others		

<u>Description</u>	<u>Street Department Shop</u>	<u>Make-up Air</u>
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1-Install 1-FloAire MUA-1Direct Gas Fired Make-up Air Unit (625,000 BTU) Indoor Side Discharge Configuration

- 7050CFM @.25 ESP
- 5HP 208/3/60 (Line Voltage Wiring By Electrical Contractor)
- Modulating Gas Train 25.1 Turndown
- Remote Panel with SOW Switch
- Freezestat Kit
- Combination CO NO2 Detector (Line Voltage Wiring By Electrical Contractor)
- Electromechanical Time Clock with 5 Cycles/Day
- Installed on Metal Rack (By Others) Approximately 12' Above Finished Floor
- Install Motorized Intake Damper Through South Wall of Building
- Exterior Wall Metal Framing (If Needed) by Others

<u>Description</u>	<u>Street Department Shop</u>	<u>Exhaust Fan</u>
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1-Install 1-FloAire Axial Wall Exhaust Fan

- 7220 CFM @ .2 ESP
- 1.5 HP 208/3/60 (Line Voltage Wiring By Electrical Contractor)
- 24" Diameter Prop Fan
- Exhaust Hood with Bird Screen
- Gravity Back Draft Damper
- Wall Sleeve and Guard
- Exterior Wall Metal Framing (If Needed) by Others

<u>Description</u>	<u>Factory Start-Up</u>
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- Factory Personal Start-up, Adjustments, Air-Flow Metering

<u>Description</u>	<u>Gas Piping</u>
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- Install 1 ¼ " Gas Pipe, Gas Line (2-PSI) from Water Department Shop Mechanical Room (Over Head) to Concrete Block Fire Wall Between Shops
- Install Gas Line (Over Head) to the South and Connect to Unit Heaters
- Black Pipe Fittings, Valves, Hangers, Adaptors
- Maxi-Trol Regulator for Existing Rooftop Unit
- Maxi-Trol Regulator for Existing 2" Gas Line for New Furnace, Existing Unit Heaters

NOTE: Gas Meter May Need to Be Replaced with 2" PSI Meter with Gas Pressure Increasing

<u>Description</u>	<u>Metal Rack Stands</u>
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- 4 Inch by Quarter Angle Iron, 12' x 6' with Cross-Members, 16 Inch on Center with Five Support Columns and Anchored to 12" Block Wall with Plywood Top. Fully Fabricated and Installed

Thank you for the opportunity to quote this job. If you have any questions, please feel free to call me.

All material is guaranteed to be as specified, and the above work to be performed in accordance with the drawings and specifications submitted for above work and completed in a substantial workmanlike manner for the sum of **Fifty-Nine Thousand Three Hundred Forty-Five and no/100 Dollars (59,345.00)** with payments to be made as follows.

Any alteration or deviation from above specifications involving extra costs will be executed only upon written order, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, damage, accidents, or delays beyond our control.

Matenaer Plumbing, Inc. is not responsible for the following:

1. Damages due to either tradesmen or natural causes, which occur after installation of all fixtures, will not be covered by this contract. This also includes tub modulars, sinks, faucets and toilets.
2. High Ground Water – The removal of and any other costs incurred by high ground water will not be covered by this contract.
3. Frost –Equipment, materials and extra labor needed for removal of will not be covered by this contract.
4. Ledge Rock – The removal of and any other costs relating to undetected ledge rock during installation will not be covered by this contract.

Respectfully submitted: **MATENAER PLUMBING, INC.**

Per: Thomas S Matenaer MP 227364

Note – This proposal may be withdrawn by us if not accepted within 20 days.

ACCEPTANCE OF PROPOSAL

The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payments will be made as outlined above.

Signature_____

Date: _____

Signature_____

PLEASE SIGN AND RETURN ONE COPY TO: MATENAER PLUMBING INC. THANK YOU!



Taking the lead in Washington County.

**VILAGE OF JACKSON
REQUEST FOR PROPOSALS
Engineering Design Service**

The Village of Jackson is requesting a proposal and qualification statement from engineering firms to assist with the street improvements in Ridgeway Drive, Ridgeway Court, and Georgetown Drive of the Village of Jackson. The construction area consists of Ridgeway Drive from STH 60 (Main St) to 200 ft. north of Georgetown Drive; Ridgeway Court from Ridgeway Drive to end; and Georgetown Drive from Ridgeway Drive to Stonewall Development. The completed proposals shall be returned to the Engineering Department on or before **4:30 PM on Thursday, November 9, 2017.**

Background Information

1. The streets were constructed in the 1969 as part of Highland Meadows Subdivision.
2. During the time of Highland Meadows Development, the Jackson Waster Water Plant was located on the property now know as "Reis Memorial Park".
3. The storm sewer system in Georgetown Drive shall be design to accommodate storm water from a larger drainage area, which is accumulated from adjacent streets. The current storm sewer piping is CMP (corrugated metal pipe) which will be replaced by RCP (reinforced concrete pipe).
4. Jackson Elementary School is located west of project zone on Georgetown Drive. Georgetown Drive is used as the bus route, so the reconstruction project will be developed to accommodate the school busing schedule.

Design, permitting, and bidding

1. Review of preliminary development plans, site visit, and meeting with Village staff to analyze and review scope of project.
2. Topographic and utility survey, and develop preliminary and final roadway, storm sewer, water main design/plans.
3. Prepare and submit a DNR WRAPP permit application (formerly NOI), and prepare and submit a DNR water main permit application.
4. Create specifications, did documents, and engineer's estimate. Answer any questions during the bid process and attend bid opening. Meet with Village staff as necessary throughout the design process.

N168 W20733
Main Street
Jackson, WI 53037
Phone: 262-677-9001
Fax: 262-677-1710

Mailing Address:
P.O. Box 637

www.villageofjackson.com

Final Design

- | | |
|-----------------------|---|
| 1. Sanitary Sewer | The Jackson Sewer Utility will verify the condition of the sanitary sewer for replacement. A single sanitary sewer line to replace the dual lines in Ridgeway Drive. Investigate with Village the need of sanitary sewer in Ridgeway Court. |
| 2. Storm Sewer Design | Storm sewer design for proper drainage of roadway and property abutting the road. All exiting storm sewer facilities shall be picked up during the survey of the road. Acquire all necessary permits. All properties will receive a storm sewer lateral. |
| 3. Water Main Design | The Jackson Water Utility will verify the condition of the water main for replacement. The current understanding is the water main is in good condition and does not need to be replaced. Valves, valve boxes, curb stops, curb stop boxes may need replacing. Help Village staff with a new water system for Ridgeway Court. |
| 4. Roadway Facilities | Ridgeway Drive 858 ft, Ridgeway Court, and Georgetown Drive 150 ft of local road with asphalt pavement, concrete curb and gutter, and 5 ft sidewalk on both sides of roadway. |

Construction Services (if the project continues)

1. Attend pre-construction meeting and field meeting with Village Staff and Contractor.
2. Provide construction staking.
3. Provide construction inspection and management.
4. As-built survey, to confirm accurate construction.

Project Schedule (Tentative)

Request for proposal due
Village Board - Contract Award
Preliminary Design, with estimated cost

October 9, 2017
November 14, 2017
December 2017

Prepare construction documents and spec
Advertise Bids
Open Bids
Award Contract
Complete Construction

February 2018
March 2018
April 2018
May 2018
Mid-August 2018

Consultant Engineer Qualifications

1. Qualifications of the key staff persons to be assigned to perform their scope of work, their experience and special skills.
2. Experience of firm in projects of similar scope.

Proposal

		<u>Time & Material Cost, not to exceed</u>	
1.	Design, Permitting, & Bidding	\$	
2.	Final Design	\$	
3.	Preparing the Construction Bid Documents	\$	
4.	Construction Services		
	a. Construction Staking	\$	Per hour
	b. Construction Inspection	\$	Per hour
	c. As-Built Survey	\$	
	or lump sum	\$	
Total Amount		\$	

If you have any questions regarding this Request for Proposal or if you would like to review this project in detail, please give me a call at 677-9001.

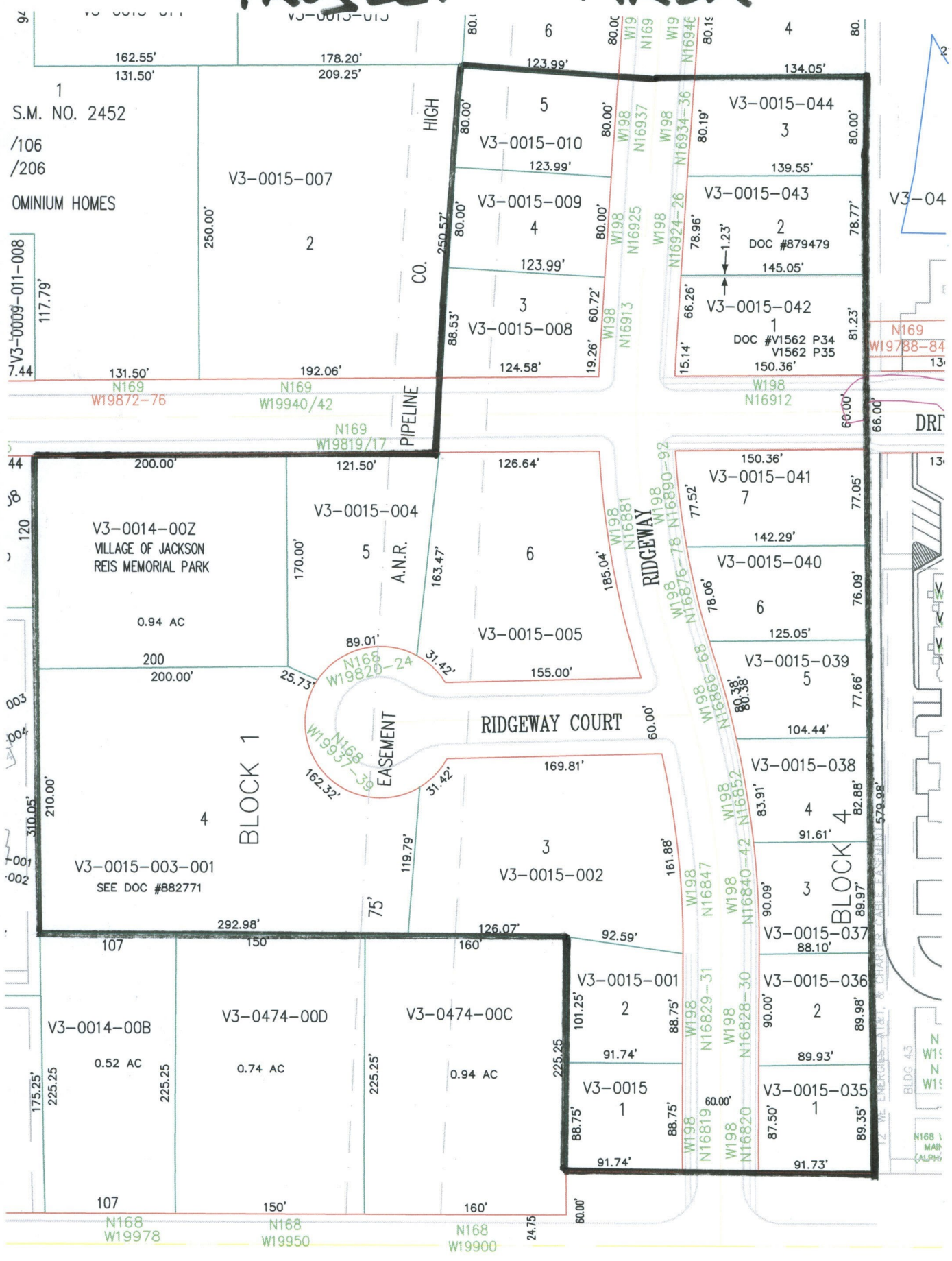
Sincerely



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

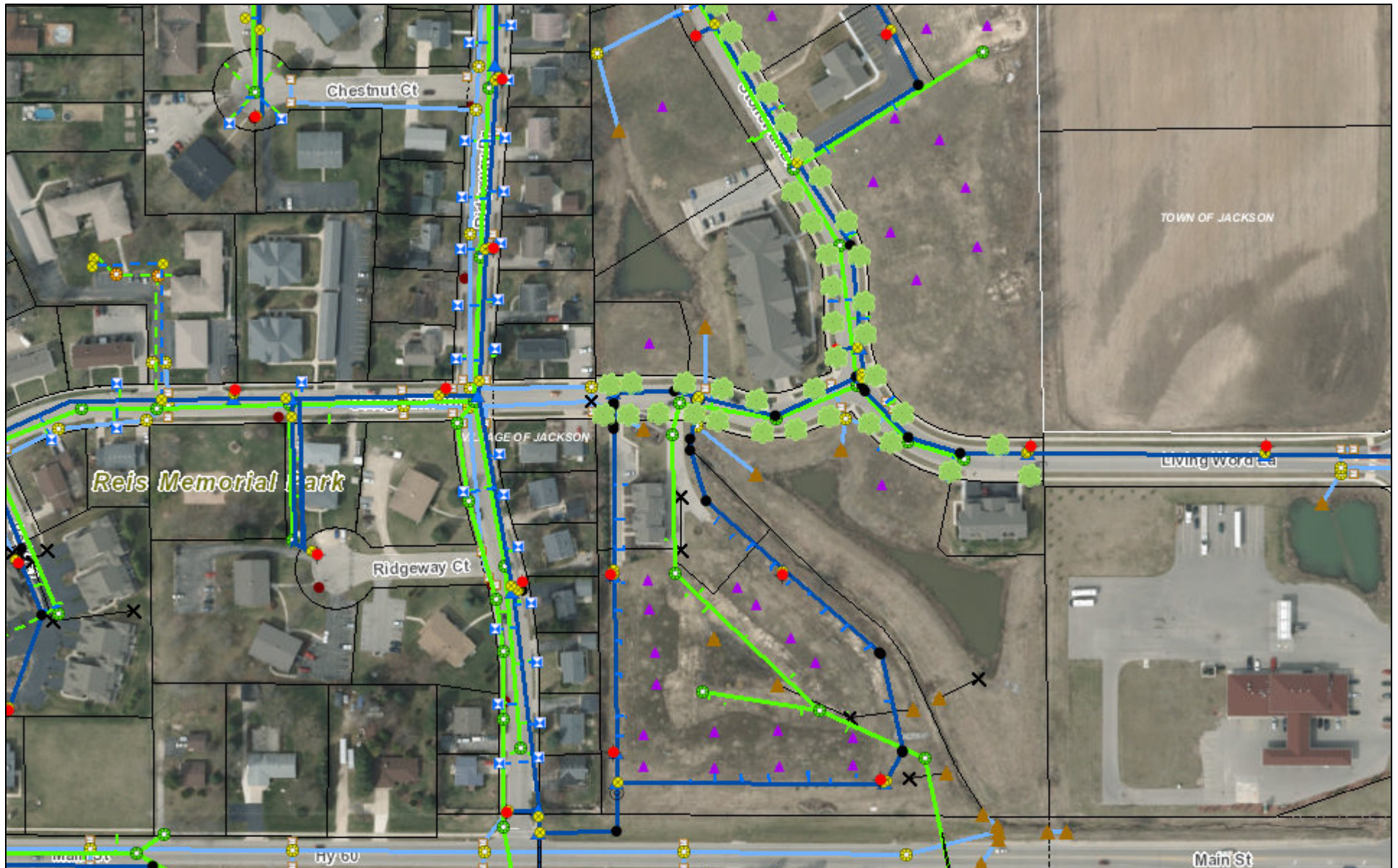
Enclosures

PROJECT AREA



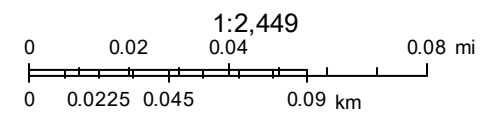
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Village of Jackson



October 25, 2017

- ▲ Village Address Points
- Village Trees
- ◆ Hydrants
- Water Valves



Public Works Report

October 31, 2017

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

Year 2015

January	Avg. Flow 667,774 g.p.d.	Min. Flow 617,000 g.p.d.	Max. 713,000 g.p.d.
February	Avg. Flow 620,893 g.p.d.	Min. Flow 591,000 g.p.d.	Max. 662,000 g.p.d.
March	Avg. Flow 753,484 g.p.d.	Min. Flow 597,000 g.p.d.	Max. 885,000 g.p.d.
April	Avg. Flow 1.203 MGD	Min. Flow 705,000 g.p.d.	Max. 3.759 MGD
May	Avg. Flow 775,323 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 1.317 MGD
June	Avg. Flow 905,633 g.p.d.	Min. Flow 661,000 g.p.d.	Max. 1.409 MGD
July	Avg. Flow 696,290 g.p.d.	Min. Flow 571,000 g.p.d.	Max. 912,000 g.p.d.
August	Avg. Flow 726,935 g.p.d.	Min. Flow 558,000 g.p.d.	Max. 1.254 MGD
September	Avg. Flow 728,240 g.p.d.	Min. Flow 526,000 g.p.d.	Max. 1.364 MGD
October	Avg. Flow 505,516 g.p.d.	Min. Flow 409,000 g.p.d.	Max. 691,000 g.p.d.
November	Avg. Flow 696,800 g.p.d.	Min. Flow 494,000 g.p.d.	Max. 1.583 MGD
December	Avg. Flow 897,258 g.p.d.	Min. Flow 616,000 g.p.d.	Max. 1.799 MGD

Year 2016

January	Avg. Flow 611,323 g.p.d.	Min. Flow 451,000 g.p.d.	Max. 924,000 g.p.d.
February	Avg. Flow 640,793 g.p.d.	Min. Flow 496,000 g.p.d.	Max. 851,000 g.p.d.
March	Avg. Flow 821,839 g.p.d.	Min. Flow 567,000 g.p.d.	Max. 1.463 MGD
April	Avg. Flow 718,000 g.p.d.	Min. Flow 563,000 g.p.d.	Max. 1.079 MGD
May	Avg. Flow 615,000 g.p.d.	Min. Flow 490,000 g.p.d.	Max. 937,000 g.p.d.
June	Avg. Flow 622,700 g.p.d.	Min. Flow 513,000 g.p.d.	Max. 892,000 g.p.d.
July	Avg. Flow 690,935 g.p.d.	Min. Flow 457,000 g.p.d.	Max. 1.074 MGD
August	Avg. Flow 1.039 MGD	Min. Flow 822,000 g.p.d.	Max. 1.338 MGD
September	Avg. Flow 1.333 MGD	Min. Flow 813,000 g.p.d.	Max. 2.166 MGD
October	Avg. Flow 1.319 MGD	Min. Flow 949,000 g.p.d.	Max. 2.572 MGD
November	Avg. Flow 1.111 MGD	Min. Flow 859,000 g.p.d.	Max. 1.818 MGD
December	Avg. Flow 1.211 MGD	Min. Flow 889,000 g.p.d.	Max. 2.063 MGD

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD
April	Avg. Flow 1.552 MGD	Min. Flow 1.049 MGD	Max. 2.446 MGD
May	Avg. Flow 1.392 MGD	Min. Flow 666,000 g.p.d.	Max. 2.588 MGD
June	Avg. Flow 1.283 MGD	Min. Flow 763,000 g.p.d.	Max. 2.429 MGD
July	Avg. Flow 1.225 MGD	Min. Flow 879,000 g.p.d.	Max. 1.711 MGD
August	Avg. Flow 1.049 MGD	Min. Flow 750,000 g.p.d.	Max. 1.414 MGD
September	Avg. Flow 870,300 g.p.d.	Min Flow 714,000 g.p.d.	Max. 1.132 MGD

Years Summary of Water Consumption

2004 Total Pumpage 216,055,000 gallons	2005 Total Pumpage 223,215,000 gallons
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	

Year 2015

Jan.	Avg.	599,680 g.p.d.	Highest Day 719,000 gals.	Total	18,590,000 gallons
Feb.	Avg.	587,040 g.p.d.	Highest Day 736,000 gals.	Total	16,437,000 gallons
March	Avg.	582,970 g.p.d.	Highest Day 698,000 gals.	Total	18,072,000 gallons
April	Avg.	601,370 g.p.d.	Highest Day 928,000 gals.	Total	18,041,000 gallons
May	Avg.	585,260 g.p.d.	Highest Day 698,000 gals.	Total	18,143,000 gallons
June	Avg.	640,430 g.p.d.	Highest Day 779,000 gals.	Total	19,213,000 gallons
July	Avg.	722,550 g.p.d.	Highest Day 989,000 gals.	Total	22,399,000 gallons
August	Avg.	733,420 g.p.d.	Highest Day 1.197 MGD	Total	22,736,000 gallons
Sept	Avg.	615,700 g.p.d.	Highest Day 753,000 gals.	Total	18,471,000 gallons
Oct	Avg.	594,840 g.p.d.	Highest Day 945,000 gals	Total	18,440,000 gallons
Nov	Avg.	492,630 g.p.d.	Highest Day 599,000 gals	Total	14,779,000 gallons
Dec	Avg.	555,480 g.p.d.	Highest Day 637,000 gals	Total	17,220,000 gallons

Year 2016

Jan.	Avg.	580,680 g.p.d.	Highest Day 734,000 gals.	Total	18,001,000 gallons
Feb.	Avg.	603,930 g.p.d.	Highest Day 710,000 gals.	Total	17,514,000 gallons
March	Avg.	586,650 g.p.d.	Highest Day 693,000 gals.	Total	18,186,000 gallons
April	Avg.	660,200 g.p.d.	Highest Day 1.021 MGD	Total	19,806,000 gallons
May	Avg.	681,130 g.p.d.	Highest Day 997,000 gals.	Total	21,115,000 gallons
June	Avg.	781,870 g.p.d.	Highest Day 1.113 MGD	Total	23,456,000 gallons
July	Avg.	865,610 g.p.d.	Highest Day 1.046 MGD	Total	26,834,000 gallons
August	Avg.	817,940 g.p.d.	Highest Day 1.084 MGD	Total	25,356,000 gallons
Sept	Avg.	700,630 g.p.d.	Highest Day 835,000 gals	Total	21,019,000 gallons
Oct	Avg.	738,520 g.p.d.	Highest Day 1.235 MGD	Total	22,894,000 gallons
Nov	Avg.	654,530 g.p.d.	Highest Day 829,000 gals	Total	19,636,000 gallons
Dec	Avg.	668,190 g.p.d.	Highest Day 779,000 gals	Total	20,714,000 gallons

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals	Total	18,957,000 gallons
April	Avg.	703,070 g.p.d.	Highest Day 1.173 MGD	Total	21,092,000 gallons
May	Avg.	683,420 g.p.d.	Highest Day 988,000 gals	Total	21,186,000 gallons
June	Avg.	762,230 g.p.d.	Highest Day 1.044 MGD	Total	22,867,000 gallons
July	Avg.	730,580 g.p.d.	Highest Day 953,000 gals	Total	22,648,000 gallons
August	Avg.	745,900 g.p.d.	Highest Day 903,000 gals	Total	23,123,000 gallons
Sept	Avg.	738,170 g.p.d.	Highest Day 996,000 gals	Total	22,145,000 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

2015	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,326,850			10,250	52,100	\$11,663.89
Feb	1,191,500			2,500	45,400	\$10,171.26
March	1,507,900			16,150	85,900	\$14,102.76
April	1,668,450			35,250	398,200	\$23,878.38
May	1,190,850			31,100	148,600	\$13,890.38
June	1,407,600			37,750	349,100	\$20,794.50
July	1,485,950			33,830	243,660	\$18,589.33
August	1,255,600			28,050	290,860	\$17,810.50
September	1,459,400			15,500	333,350	\$19,899.26
October	1,273,400	7,200		37,150	369,300	\$20,603.82
November	1,336,300			36,200	343,035	\$20,046.14
December	1,610,500			31,200	234,700	\$19,194.26

2016	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,359,400			3,500	47,700	\$11,528.02
Feb	1,443,000			1,500	31,350	\$11,666.26
March	1,515,950			5,600	102,900	\$14,166.14
April	1,600,500			25,000	284,250	\$20,110.01
May	1,560,350			24,000	246,200	\$18,817.63
June	1,551,600			49,100	257,900	\$20,048.50
July	1,195,900			21,850	278,400	\$16,803.25
August	1,506,850			29,750	276,250	\$19,397.63
September	1,501,850			48,550	373,430	\$22,541.63
October	1,447,150			126,250	389,054	\$25,629.98
November	1,471,800			40,900	343,250	\$21,255.76
December	1,657,250			11,250	225,160	\$18,508.38

2017	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,287,450			10,500	57,100	\$11,503.39
Feb	1,358,400		28,500	1,750	78,550	\$13,361.76
March	1,678,850		22,000	28,100	174,900	\$18,967.89
April	1,581,350			35,600	320,900	\$21,306.63
May	1,745,550			51,150	394,600	\$25,002.63
June	1,664,600			38,700	321,950	\$22,081.26
July	1,599,070			33,100	230,150	\$19,070.78
August	1,669,850			35,100	273,850	\$20,774.14
September	1,430,000			37,350	248,125	\$18,422.13

Final Lift for Developed Subdivisions

Due to only one bidder, the recommendation is to bid the overlays next year. No change.

Rosewood Drive/TIF Expansion Project

TIF #6 is being created for the development of the property. Also, Washington County is planning on reconstructing CTH P in the same area.

GIS Program

Town and Country Engineering continue to work on the maps, and getting the tablets ready for accessing the maps. An instructional meeting for staff is being scheduled to increase map usage.

Storm Water Management Plan

We will continue to monitor the system per the Storm Water Management Plan. The plan was submitted at the deadline of June 30, 2017. DNR has not responded on the submitted plan. The Mid-Moraine Collective Group is working a possible group storm water permit. No change.

SCADA Upgrade Project

Piper Electric and LW Allen staff continues to work on the project. A factory test date of equipment has been scheduled for December 5th.has started with conduit installation and wiring. The project is on schedule to be completed in mid-December.

Space Needs Analysis Study

Cedar Corp team continues to meet with staff in developing plans for a new Safety Building. The new professional service proposal has been approved by the Village Board to keep the project moving ahead.

Chateau Drive Reconstruction Project

North Farms is being required by the General Contractor to finish the landscaping, and came back in September for landscape repair. More will have to be done in the spring since winter has arrived. A meeting was held with the general contractor, Village, inspector and concrete contractor reviewing the driveway construction and reviewing pictures from property owners submitted at the October Village Board meeting. A similar discussion will be held at the next Board of Public Works meeting.

CTH P and STH 60 Intersection Project

An email will be created and sent to WisDOT on ownership. No change.

Alcan Drive, Alcan Court, & Delaney Court

All curbing has been repaired, asphalt installed, and streetlights installed. We are waiting for We-Energies design to energize the meter pedestal.

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



September 19, 2017

CUST ID No. 1876

ATTN: Buildings & Structures Building Inspector

STEVEN M BAILEY
HEATING DESIGN & CONSULTING
2824 32ND ST N
WISCONSIN RAPIDS WI 54494-1883

BUILDING INSPECTION
VILLAGE OF JACKSON
PO BOX 637
JACKSON WI 53037-0637

CONDITIONAL APPROVAL

(Please forward a copy of this letter to the fire department conducting inspections of this project.)

PLAN APPROVAL EXPIRES: 06/21/2019

SITE:

Jackson Public Works Building
W194 N16660 Eagle Dr.
Village of Jackson
Washington County

Identification Numbers
Transaction ID No. 2990004
Site ID No. 693755
Please refer to both identification numbers, above, in all correspondence with the agency.

FOR:

Facility: 773643 JACKSON PUBLIC WORKS BUILDING
W194 N16660 EAGLE DR

Addn. / Alt Description: IMC - HVAC System

Object Type: HVAC ICC System Regulated Object ID No.: 1723736 Code Applies Date: 08/21/17
27,130 sq. ft. Area Heated

SITE REQUIREMENTS

- Contact both the State Inspector and the local municipality PRIOR to the start of construction.
- A full size copy of the approved plans, specifications and this letter shall be on-site during construction and open to inspection by authorized representatives of the Department, which may include local inspectors. If plan index sheets were submitted in lieu of additional full plan sets, a copy of this approval letter and index sheet shall be attached to plans that correspond with the copy on file with the Department. If these plans were submitted in an electronic form, the designer is responsible to download, print, and bind the full size set of plans along with our approval letter. A department electronic stamp and signature shall be on the plans which are used at the job site for construction.

The following conditions shall be met during construction or installation and prior to occupancy or use:

KEY ITEMS

- The submitted plans have been reviewed and conditionally approved. An invoice for the amount indicated on the conditional approval letter will be issued to the designer of record. A copy of this letter has been sent to all appropriate parties. Include a copy of the conditional approval letter with the invoice and required fee.
- **IMC 403/SPS 364.0403** - Provide minimum mechanical exhaust ventilation in the amount of 2 cfm/sf of the floor area for areas of the **Shower Room 120**, the minimum amount of exhaust shall be 194 cfm. See SPS Table 364.0403. Such areas include chlorine storage and holding rooms, **shower rooms**, smoking lounges, natatoriums (unless a code exception is met), as well as commercial dry cleaners and laundries. Make-up air shall be provided as required by IMC 403.1.
- **IMC 403/SPS 364.0403** - Provide repair or vehicle service areas with a minimum exhaust ventilation of 0.50 cfm/sf of floor area, as well as sufficient make-up air to maintain minimum inside temperature.
IMC 404.1/SPS 364.0404 - An intermittent mechanical exhaust ventilation system may be provided in a garage only if all the conditions required by these sections of the code are met, inclusive of a minimum exhaust rate of 0.75 cfm/sf. Plans indicate the

installation of an intermittent exhaust system. Only those areas which are garage areas (ie. areas that store vehicles ONLY, no service or repair work is allowed to be performed on them) are allowed the use of intermittent exhaust ventilation. The NO₂ sensor shall be set for no more than 1 part per million, the CO sensor set for no more than 35 ppm, and the timer shall be set for operation involving not less than 5 hrs/day. The sensors shall be installed per the listing. If the area served by the sensors exceeds the sensors listed and tested area limitations, then multiple units shall be installed such that complete coverage is ascertained for the space.

The intermittent mechanical exhaust ventilation system as shown on the plans is not allowed in "Shop or Repair" garages.

ALSO ADDRESS

- **IMC 304.6/IFGC 305.4/IBC 1607.7.3** - Provide suspended heating appliances for public garages, service stations, repair garages or other motor vehicle areas at least 8 feet above the floor, unless they are protected from motor vehicle impact via a vehicle barrier system. Where motor vehicles are capable of passing under an appliance, the appliance shall be installed at the clearances required by the appliance manufacturer and not less than 1 ft. higher than the tallest vehicle garage door opening.
- **IMC 403/SPS 364.0403(5)(c)2.** - Janitor closets that have one service sink or receptor must be provided mechanical exhaust ventilation as specified in SPS Table 364.0403 involving a minimum of 75 cfm/janitor closet.
Mechanical Room 127 with the mop sink must have a minimum of 75 cfm exhaust.
- **IMC 502.1.1** - Repair and vehicle service area exhaust air to be drawn from not more than 18 inches above the floor. Repair and vehicle service areas with diesel fueled motor vehicles may have a combination of low and high exhaust inlets. High inlets shall be within 12" of the ceiling.
- **IFGC 620** - Unit heaters shall be supported by hangers and brackets which are noncombustible. Suspended type unit heaters require clearances to combustible materials of not less than 18" at the sides, 12" at the bottom and 6" above the top where the unit has an internal draft hood or 1" above the top of the sloping side of the vertical draft hood. Floor mounted type unit heaters require not less than 6" clearance on the back and one side. Where the flue gasses are vented horizontally, the 6" clearance shall be measured from the draft hood of the vent instead of the rear wall of the unit heater. Floor units shall not be installed on combustible floors unless listed for such use. Reduced clearances are only allowed if part of the unit listing.
- **IMC 502.14/SPS 364.0502(2)** - Provide a source capture system that connects directly to the motor vehicle exhaust system. Please note that Exception 3 of this IMC code section is in conflict with SPS Table 364.0403 vehicle repair area. In such circumstances the most restrictive shall apply per SPS 361.03(2)(a). The source capture system is not required when the motor vehicle exhaust system is connected directly to a noncombustible hose that is not more than 10 feet long and discharges directly to the exterior of the building.

The submittal described above has been reviewed for conformance with applicable Wisconsin Administrative Codes and Wisconsin Statutes. The submittal has been **CONDITIONALLY APPROVED**. The owner, as defined in chapter 101.01(10), Wisconsin Statutes, is responsible for compliance with all code requirements. Only those object types listed above have been approved; other submittals such as plumbing and those listed above under **REQUIRED SUBMITTAL(S)**, may also be required.

All permits required by the state or the local municipality shall be obtained prior to commencement of construction/installation/operation. You are responsible for complying with state and federal laws concerning construction near or on wetlands, lakes, and streams.

This plan has not been reviewed for compliance with fire code requirements, including those for fire lanes and fire protection water supply, so contact the local fire department for further information.

In granting this approval, the Division of Industry Services reserves the right to require changes or additions, should conditions arise making them necessary for code compliance. As per state stats 101.12(2), nothing in this review shall relieve the designer of the responsibility for designing a safe building, structure, or component. The Division does not take responsibility for the design or construction of the reviewed items.

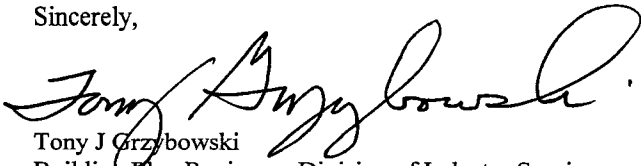
Per s. SPS 361.40(4), projects for buildings of over 50,000 cubic feet total volume shall have supervising professionals who file compliance statements with this agency and the local code officials prior to occupancy of the project. The compliance statement is available on our website. <http://verification.dsps.wi.gov/IndustryServices/Commercial-Buildings-Compliance/DSPSMainForm.aspx>

Inquiries concerning this correspondence may be made to me at the telephone number listed below, or at the address on this letterhead.

Sincerely,

Fee Required \$ 600.00

This Amount Will Be Invoiced. When You
Receive That Invoice, Please Include a Copy
With Your Payment Submittal.


Tony J Grzybowski
Building Plan Reviewer, Division of Industry Services
(920) 492-6502, Mon., Tues., Wed.; 7:00 am - 4:30 pm
tony.grzybowski@wisconsin.gov

cc: Betty J Wiese, State Building Inspector, (414) 852-3694, Monday 7:45 A.M. - 4:30 P.M.
Brian Kober, Village of Jackson