Revised Agenda
Village Board Meeting
Tuesday, July 14, 2015 at 7:30 p.m.
Jackson Village Hall
N168W20733 Main St
Jackson, WI 53037

1. Call to Order and Roll Call.

2. Pledge of Allegiance.

3. Any Village Citizen Comment on an Agenda Item (Please sign in).

4. Public Hearing - Conditional Use, Dasko, Fence Height Approval – Hunters Road.

5. Consent Agenda:
   - Approval of Minutes for the Village Board Meeting of June 9, 2015.
   - Licenses.
     Operator Licenses:
     Pizza Station: Patricia Krull

     Walgreens:
     Elizabeth K Theriault

     Main Street Mart:
     Brianna Haeflinger

     East Side Mart:
     Wendy Nicolato

     Jackson Pub:
     Tina Nelson

6. Ordinance 15-03 - An Ordinance Repealing Chapter 7.14 C. (4), Hotel and Motel Registration for Transient Lodging of the Municipal Code of the Village of Jackson.

7. Budget & Finance Committee.
   - Bids Received for Old Ambulance 1250.
   - Pay Request #5 – Digester Improvement Project.
   - Change Order #1 – Digester Improvement Project.
   - Pay Request #6 - Digester Improvement Project.
   - Review of quotes for Painting of the Blue Water Tower – Tower Drive.
   - **Jackson Water Utility Master Plan Update.**
   - **Reinstalling Cedar Creek Business Sign.**
   - Potential Financing and Refinancing in 2015 – Ehlers.

8. Plan Commission.
   - Concept Plan - The Laser Shop – Industrial Drive.

9. Departmental Reports.
   - Update on Operation Finally Home.

10. Washington County Board Report.

11. West Bend School District Liaison Report.

12. Greater Jackson Business Alliance Report.

13. Mid-Moraine Legislative Committee/Mid-Moraine Municipal Report.

14. Citizens to Address the Village Board.

15. Closed session pursuant to Wis. Stats. § 19.85(1)(e) Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session; and,
    Wis. Stats. § 19.85(1)(g) Conferring with legal counsel for the governmental body who is rendering oral or written advice concerning strategy to be adopted by the body with respect to litigation in which it is or is likely to become involved. The topics are matters relating to the Village-Town Revenue Sharing Agreement and Cooperative Boundary Plan.

    Reconvene into Open Session.

16. 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.

DRAFT MINUTES
Village Board Meeting
Tuesday, June 9, 2015, at 7:30 p.m.
Jackson Village Hall
N168W20733 Main Street
Jackson, WI 53037

1. Call to Order and Roll Call.

President Michael Schwab called the meeting to order at 7:30 p.m.
Members Present: Trustees Mittelsteadt, Lippold, Olson, Emmrich, and Kruepke.
Members Absent: Trustee Kufahl
Staff present: John Walther, Brian Kober, Jim Micech, Chief Jed Dolnick, Chief John Skodinski, Kelly Valentino

2. Pledge of Allegiance.

President Schwab led the assembly in the Pledge of Allegiance.

3. Any Village Citizen Comment on an Agenda Item.

None.

4. Consent Agenda:

Approval of Minutes for the Village Board Meeting of May 12, 2015.

- Licenses.
  Operator Licenses:
  Pizza Station:
  Amber Doede, Amber Wallace.

  East Side Mart:
  Carly Boettcher

  Fox Brothers Piggly Wiggly:
  Vanessa Medina.

  Walgreens:
  Savannah Heider, Shelley McNall, Aracely Navarro

  Village Mart:
  April Batchelor

  Jackson Community Center/Jackson Park Concession
  Renee Fisher, Angela Jeske, Brittany Korneli, Jessica Loomans, Gregg Rathke, Kelly Valentino, Hannah Straub

  Tattoo / Body Piercing Operators:
  Jason Batten, Calen Curley, Rich Malnory

Motion by Tr. Olson, second by Tr. Emmrich to approve the consent agenda items.
Vote: 4 ayes, 0 nays, 2 abstention (Tr. Kruepke, Tr. Mittelsteadt). Motion carried.

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5. Resolution #15-09 A Resolution Setting the Rates for Jackson Sewer Utility.

Brian reported that this was a recommendation from the Audit. Brian reviewed his memo. This is a simplified rate case increase at 3%. Motion by Tr. Olson, second by Tr. Mittelsteadt to approve Resolution #15-09, A Resolution Setting the Rates for the Jackson Sewer Utility.
Vote: 5 ayes, 1 nays (Tr. Emmrich). Motion carried.

6. Resolution #15-10 A Resolution Setting the Rates for Jackson Water Utility.

Brian reviewed his memo and reported that the new rates will start on July 15, 2015. Motion by Tr. Mittelsteadt, second by Tr. Kruepke to approve Resolution #15-10, A Resolution Setting the Rates for the Jackson Water Utility.
Vote: 5 ayes, 1 nays (Tr. Emmrich). Motion carried.

7. Budget & Finance Committee.

Pay Request #4 – Digester Improvement Project.

The Board of Public Works and the Budget and Finance Committee recommended approval of Pay Request #4 in an amount not to exceed $64,742.11 to Sable Mechanical.
Motion by Tr. Olson, second by Tr. Lippold, to approve pay request #4 – Digester Improvement Project in an amount not to exceed $64,742.11 to Sable Mechanical.
Vote: 6 ayes, 0 nays. Motion carried.

Bids for Georgetown Drive Reconstruction Project.

The Budget and Finance Committee recommended approval of the Advanced Construction Company bid in the amount of $619,153.10.
Motion by Tr. Emmrich, second by Tr. Lippold, to approve the Bid of Advanced Construction Company in an amount not to exceed $619,153.10.
Vote: 6 ayes, 0 nays. Motion carried.

Verizon Wireless Antenna Modification Project – White Water Tower – Contract Amendment.

The Budget and Finance Committee recommended approval of the item. Motion by Tr. Mittelsteadt, second by Tr. Emmrich to approve the Verizon Wireless Antenna modification Project Contract Amendment.
Vote: 6 ayes, 0 nays. Motion carried.

8. Licenses.

- Liquor Licenses.
  Class "B" Beer and "Class B" Liquor
  KHD Ltd., DBA Jimmy's Restaurant and Bar, Constintine Demopoulos Agent, premise located at N168 W21212 Main Street.

  Class "B" Beer and "Class B" Liquor
  Jackson Pub LLC, Jon Zandi Agent, premise located at N168 W20594 Main Street.

  Class "B" Beer and "Class B" Liquor
  Latest Edition Saloon, Martha Ellen Nimkie, premise located at N168 W20788 Main Street.

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Class "B" Beer and "Class B" Liquor
Pizza Station, Barbara L. Holtz, Timothy Holtz, N168 W22224 Main Street, Suite E.

Class "A" Beer and "Class A" Liquor
Fox Brothers Piggly Wiggly, Inc., Lori Byron Fox Agent, W194 N16774 Eagle Road.

Class "B" Beer & "Class B" Monte Carlo Night to include Wine (February 6, 2016)
Jackson Area Community Center, Jackson Joint Parks & Recreation, Kelly Valentino - Agent, N165 W20330 Hickory Lane.

Class "B" Beer
Jackson Park Concession Stand, Jackson Joint Parks & Recreation, Kelly Valentino - Agent, W204 W16901 Jackson Dr.

"Class A" Liquor
G&O Ltd, DBA Simply Spirits, John H. Kruepke Agent, N168 W22224 Main Street.

"Class A" Liquor
G&O Ltd, DBA Simply Spirits II, John H. Kruepke Agent, N168 W19490 Main Street.

Class "A" Beer
The Village Mart, John H. Kruepke Agent, W213 N16770 Glen Brooke.

Class "A" Beer
K&A Petroleum, DBA East Side Mart, Kurt H. Kruepke Agent, N168 W19490 Main Street.

Class "A" Beer
K&A Petroleum, DBA Main Street Mart, Kurt H. Kruepke Agent, N168 W22224 Main Street.

Class "A" Beer
Walgreen Co., DBA Walgreens #11676, Michael Rodenkirch Agent, N168 W21330 Main Street.

- Tattoo / Piercing Establishment License.
  Jason Batten – No Good Tattoos

Motion by Tr. Olson, second by Tr. Emmrich to Approve the Liquor and Tattoo Piercing Establishment Licenses.
Vote: 5 ayes, 0 nays, 1 abstention (Tr. Kruepke). Motion carried.

9. Park & Recreation.

- Eagle Projects: Jake Landolt (Jackson Park Tank), Simon Daniels (Wooden Event Games), Robbie Kreiter (Tot Area Fencing Project).

Kelly Valentino reported on the item. She commented that Jake Landolt presented to the Park & Rec committee. His project is to repaint the tank in Jackson Park.

Simon Daniels presented his project to the board. His project is to build wooden carnival event games. He is looking to fundraise for the project and has support from his family. Simon has the power tools to build the pieces. His goal is to have the games prepared by the Ghoul Gala. Tr. Emmrich presented Simon with a check for $100 for the project.

Robbie Kreiter presented his project to the board. His project is to build fencing around the tot area on the East side of the Community Center. Robbie is working with the Friends Group and they did unanimously approve financing his fencing project up to $2,500. The cost is

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approximately $2,500 and he has raised approximately $1,000. He has support from his family and the power tools necessary for the fence. The pouring of the play surface is being coordinated with the installation of the fence. Tr. Emmrich presented Robbie with a check for $100.

Motion by Pres. Schwab, second by Tr. Emmrich to approve the Eagle Projects for Jake Landolt (Jackson Park Tank), Simon Daniels (Wooden Event Games), and Robbie Kreiter (Tot Area Fencing Project).
Vote: 6 ayes, 0 nays. Motion carried.

- Action in Jackson Parade: June 14, 2015.
  Kelly reported that the Action in Jackson parade is on June 14. If a board member can march in the parade let Kelly know asap.

10. Board of Public Works.

Resolution #15-11 A Resolution Replacing a Sidewalk Location and Construction Policy for the Village of Jackson, Washington County, Wisconsin.
Brian reported on the resolution and sidewalk policy.
Motion by Tr. Emmrich, second by Tr. Mittelsteadt to approve Resolution #15-11 A Resolution Replacing a Sidewalk Location and Construction Policy for the Village of Jackson, Washington County, Wisconsin.
Vote: 6 ayes, 0 nays. Motion carried.

11. Departmental Reports.

John gave an insurance update that MPIC (Municipal Property Insurance Corporation) has been formed in place of the State Insurance Pool.

John Walther reported that the Operation Finally Home Ribbon Cutting will be on Thursday, June 11, at 1 p.m.

There is a community tail-gate fundraiser being planned for September 20, 2015, at the Community Center. The event will be sponsored by several area organizations.

12. Washington County Board Report.

No Report.

13. West Bend School District Liaison Report.

No Report. John Walther reported that Ted Neitzke will be at the August meeting.

14. Greater Jackson Business Alliance Report.

Tr. Mittelsteadt reported that the next meeting will be on July 15th at the Community Center. The state representatives have been invited. There will be a legislative report in July. They are gearing up for Action in Jackson, the 5K and the car show.

15. Mid-Moraine Legislative Committee / Mid-Moraine Municipal Report.

John Walther reported that the next legislative committee meeting will be here tomorrow evening.

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16. Citizens to Address the Village Board.

John Walther gave a public service announcement and video from You Tube of "free running" in the park. This was not an encouragement or promotion of the activities.

17. Closed Session.

The Village President announced that the Board intended to convene into Closed session pursuant to Wis. Stats. § 19.85(1)(e) Deliberating or negotiating the purchasing of public properties, the investing of public funds, or conducting other specified public business, whenever competitive or bargaining reasons require a closed session, and,
Wis. Stats. § 19.85(1)(g) Conferring with legal counsel for the governmental body who is rendering oral or written advice concerning strategy to be adopted by the body with respect to litigation in which it is or is likely to become involved. The topics are matters relating to the Village-Town Revenue Sharing Agreement and Cooperative Boundary Plan.

Motion by Pres. Schwab, second by Tr. Emmrich, to convene into closed session at 8:19 p.m. to include the Village Board, Brian Kober, Deanna Boldrey, and Attorney St. Peter. Jim Blise and Dave Wagner were included for a portion of the closed session.
Vote: 6 ayes, 0 nays. Motion carried.

Reconvene Into Open Session.

The Village Board convened into open session at 9:45 p.m.

18. Adjourn.

Motion by Tr. Mittelsteadt, second by Tr. Olson to adjourn at 9:46 p.m.
Vote: 6 ayes, 0 nays. Motion carried.

Respectfully submitted by Deanna L. Boldrey, Clerk/Treasurer

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VILLAGE OF JACKSON DEVELOPMENT APPLICATION FORM

(Due 1st Friday of the month for that month's Planning Commission Meeting)

Name of Applicant Tom; Kim Dasko
Contact Tom Address/ZIP N170 W20015 Hunters Rd Phone # 262-677-1936
E-mail Address kimmie-ile charter.net Fax # where Agenda/Staff comments are to be faxed
Name of Owner Tom; Kim Dasko Address/ZIP N170 W20015 Hunters Rd Phone# 262-677-1936
Owner Representative/Developer
Proposed Use of Site Residential Present Zoning R4

ACTION REQUESTED	FEE	SUBMITTAL REQUIREMENTS	TYPE OF INFORMATION DESCRIBED (See page 5)	PAPER COPIES	CD
CONCEPT PLAN	$50	1,2,6,13	1) Complete Application (all pages)		XXX
			2) Describe what you intend to do (paragraph)		XXX
* CONDITIONAL USE	$150	1,2,3,4,5,6,7,~~14,15,16,18,19,20~~	3) Address Labels of adjacent owners to be notified (500'/ 200')	labels	
			4) Owner acknowledgement of the request	1	
PLANNED UNIT DEVELOPMENT	$150	1,2,3,4,5,6,7,8,9,10,14,15,16,17,18,20	5) Impact Statement		XXX
			6) Location Map		XXX
REZONING	$200	1,2,(3),4,6,9 or 10 (500'for rezoning	7) Development Plan / Site Plan		XXX
		200' for Cond. Use or PUD Site Plan)	8) Preliminary Plat		XXX
CERTIFIED SURVEY MAP (CSM)	$150	1,2,6,10,20	9) Final Plat		XXX
			10) Certified survey Map		XXX
MINOR SUBDIVISION	$150	1,2,3,5,6,10,15,16,17,18,20	11) Annexation Petition		XXX
			12) Annexation Map	1	XXX
Extra-territorial Plat or CSM	$150	1,2,6,9 / 10	13) Sketch Plan		XXX
			14) Landscape Plan	4 (24x36)	XXX
Extra-territorial Plat outside Sanitary Service Area	$50	1,2,6,9 / 10	**Engineering Review - Infrastructure**		XXX
			15) Grading/Drainage Plan	4 (24x36)	XXX
PRELIMINARY PLAT	$300	1,2,3,5,6,9,15,16,17,18	**16) Water / Sewer / Storm Sewer Plans**	4 (24x36)	XXX
			17) Street / Right of Way cross sections	4 (24x36)	XXX
FINAL PLAT / Final Plat Reappl..	$100	1,2,3,5,6,9,15,16,17,18,20	**18) Erosion Control Plan**	4 (24x36)	XXX
			19) Proposed colors / materials		XXX
ANNEXATION / ATTACHMENT	$200	1,2,3,4,5,6,11,12,21	20) Developers Agreement		XXX
			21) Annexation Agreement (includes pre-annex agreements)		XXX
STREET EASEMENT/ VACATION	$150	1,2,3,4,6,9	22) other -		XXX
VARIANCE	$150	1,2,3,4,6,7			

I certify the information and exhibits submitted are true and correct to the best of my knowledge, and that in filing this application I am acting with knowledge and consent of those persons listed above and owner(s) without whose consent the requested action cannot be lawfully acted upon.

Name [illegible] Signature Kim Dasko Date 6/3/15

Office Use: Date Received_____ Date Paid _____ Receipt # _____ Amount Paid $_____

VILLAGE OF JACKSON

☐ Special Use ☒ Conditional Use ☐ Planned Unit Development Permit #_____

The Village of Jackson, hereby grants a ☐ **Special Use** ☒ **Conditional Use** ☐ **Planned Unit Development**

Permit to:

Name of Business/Applicant: TOM & KIM DASKO

For a property located at (address): N170 W20015 HUNTERS RD

Phone number of Business/Applicant: 262-677-1936

For (land use, activity, sign, site plan, other): SEEKING A 4' HIGH FENCE WHICH IS AN ADDITIONAL 6" MORE THAN THE ALREADY APPROVED HEIGHT OF 3'6" BY BUILDING INSPECTOR JIM MICECH.

Impact Mitigation (noise, smoke, dust, odors, etc. affecting adjacent properties): N/A

Hours of Operation: N/A

Comprehensive/Master Plan Compatibility:

Building Materials (type, color): VINYL, ALMOND IN COLOR

Setbacks from rights-of-way and property lines: 2' TO 3' FROM SIDEWALK, DISTANCE FROM PROPERTY LINES TO THE SOUTH & WEST DEPENDS ON NEIGHBORS PERMISSION IF APPROVED FOR 4'

Screening/Buffering: N/A

Landscape Plan (sizes, species, location): SEE SURVEY

Signing (dimensions, colors, lighting, location): N/A

Lighting (wattage, style, pole location and height, coverage): N/A

Traffic flow, pedestrian circulation (curb to street width), (parking one/both/neither side(s), (sidewalk/pedestrian way width and material): NOT AFFECTED

Storm-water Management: N/A

Erosion Control: N/A

Fire Hydrant Location(s): N/A

Knox Box, Posting Site (No Trespass signing), Emergency Telephone #'s: N/A

Hazardous Material Storage: N/A

Alarm Systems: N/A

Site Features/Constraints:

Parking (no. of spaces, handicapped parking, and dimensions): N/A

Tree and shrub preservation: N/A

Setbacks/height limitations:

Wastewater Usage Projected: N/A gal/year Water Usage Projected: N/A gal/year

Duration and Review of Conditional Use (expiration, when reviewed: upon complaint, specified period): CONTINUOUS AND REVIEWED UPON COMPLAINT

TERMS OF THIS PERMIT

1. This permit shall become effective upon the execution and recording by the owners of the premises of an acceptance hereof in such form as to constitute an effective covenant running with the land.

2. The permit shall be void unless: (a) pursuant to the Building and Zoning Codes of the Village, the approved use is commenced or (b) the building permit is obtained within 12 months of the date of Village Board approval.

3. The permit is subject to amendment and termination in accordance with the provisions of the Zoning Code of the Village of Jackson.

4. Construction and operation of the use permit shall be in strict conformity to the approval site, building, and operation plans which were filed in connection with the application for this permit (as attached and /or referenced).

5. Any of the conditions of this permit which would normally be the responsibility of the tenants of the premises, shall be made a part of their lease by the owner.

Granted by: Village Board _____ Date _____ Over the Counter _____ Date _____

_____

Kim Pasico ,Owner
Please print name

_____
John M. Walther, Administrator

Impact Statement

Annual water consumption estimate – N/A

Annual Sewage generation estimate – N/A

Vehicle trip generation – N/A

Estimated number of vehicles and recreational vehicles to be stored or parked on site – N/A

Proposed sign(s) (advertising business, industry, dwelling unit) – N/A

General hours of operation – N/A

Anticipated User profiles (for residential development) – N/A

Proposed dates of construction and completion – upon village board approval

Unusual conditions which warrant special attention (hazardous materials storage, fire hazards, odors, noise generation, etc.) – N/A

Tom & Kim Dasko
N170 W20015 Hunters Rd
Jackson WI 53037

Conditional Use Request by the original owner of a well maintained home

This is a request for an additional 6 inches on the height to 4 feet of a proposed fence install from the already approved height of 3' 6" by building inspector Jim Micech. We would prefer a 5 foot fence but realize that may be asking too much. The cost of the fence will be approximately $7,000 whether the fence is 4' or 3' 6" in height.

The fence is required because of our dog (Whippet) requires daily exercise beyond walking. Our dog is like a therapy dog for Kim who has numerous medical issues and our 26 year old daughter who has developmental disabilities.

Thank you kindly for your consideration,

_____ Date 6/3/15

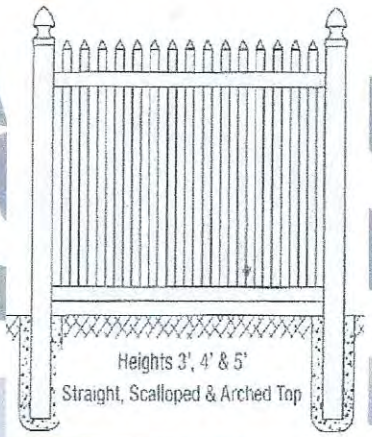
_____ Date 6/3/15

American Manufactured Vinyl Fence

Alexander

Style: Alexander

All American made materials for great quality, long life and beauty for your yard! All Alexander styles come in 4′,5′and 6′. Five and six foot fences all have 3 rails and you can add a third rail to a 4′. You can have straight top, convex or concave scallop. Choose your picket spacing of 1″, 2″or 3″. Also choose dog eared or pointed picket caps. Colors are white or almond, other colors available on special order. All sections are 6′ wide! Post are sold separately. 4″ post for 4′ fence and 5″ post for all 5′ and 6′ fence.



Top Rail
2″ x 3 ½″

Pickets
7/8″ x 3″

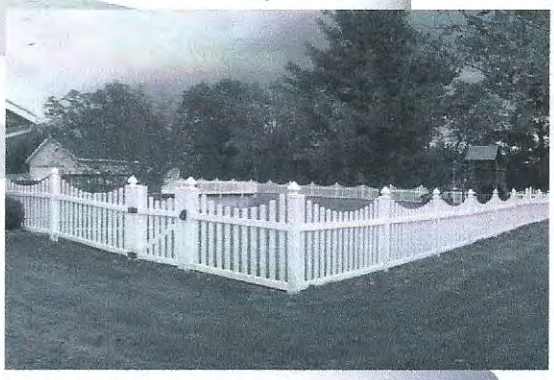
Picket Spacing
Available in 1″, 2″, or 3″

Picket Caps
7/8″ x 3″ x 2″

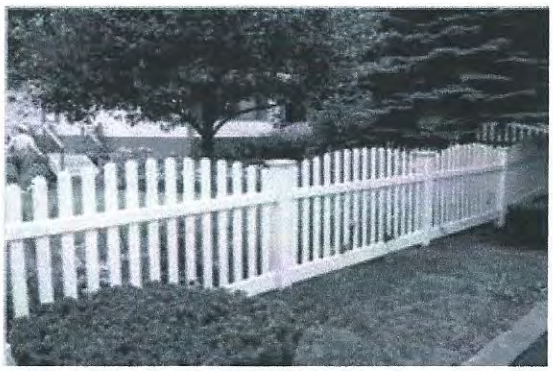
Bottom Rail
2″ x 3 ½″

Post
4′ fence – 4″ x 4″
5′ or 6′ fence – 5″ x 5″

Alexander 1 4′ open picket with 1″ spacing



Alexander 2 scallop – 4′ open picket with 2″ spacing

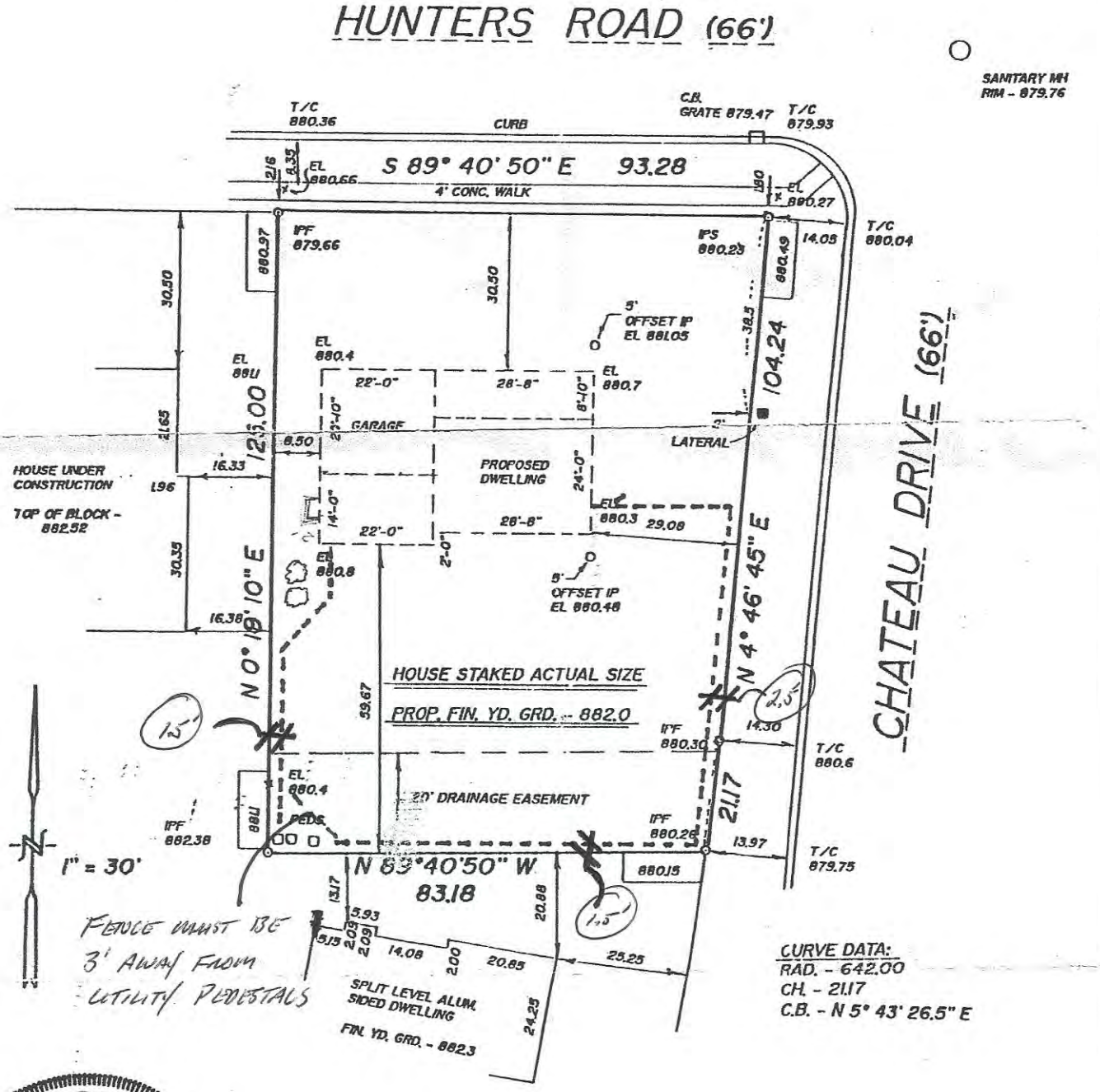


Alexander 3 convex scallop – 4′ open picket with 3″ spacing

Alexander3 ′ straight top open picket with 3″ spacing

American Manufactured Vinyl Fence is a division of A to Z Quality Fencing LLC. www.atozqualityfencing.com 414-235-0173
www.americanmanufacturedvinylfence.com

* APPROXIMATE COST OF FENCE INSTALL IS $7000.



WISCONSIN
STANLEY J.
POTRYKUS
S-500
WAUKESHA,
WI
LAND SURVEYOR

I hereby certify that I have surveyed the above described property and the above map is a true representation thereof and shows the size and location of the property, its exterior boundaries, the location of all visible structures and dimensions of all principal buildings thereon, boundary fences, apparent easements, roadway and visible encroachments, if any. This survey is made for the present owners of the property, and also those who purchase, mortgage, or guarantee, the title thereto within one (1) year from date hereof.

Signed _____

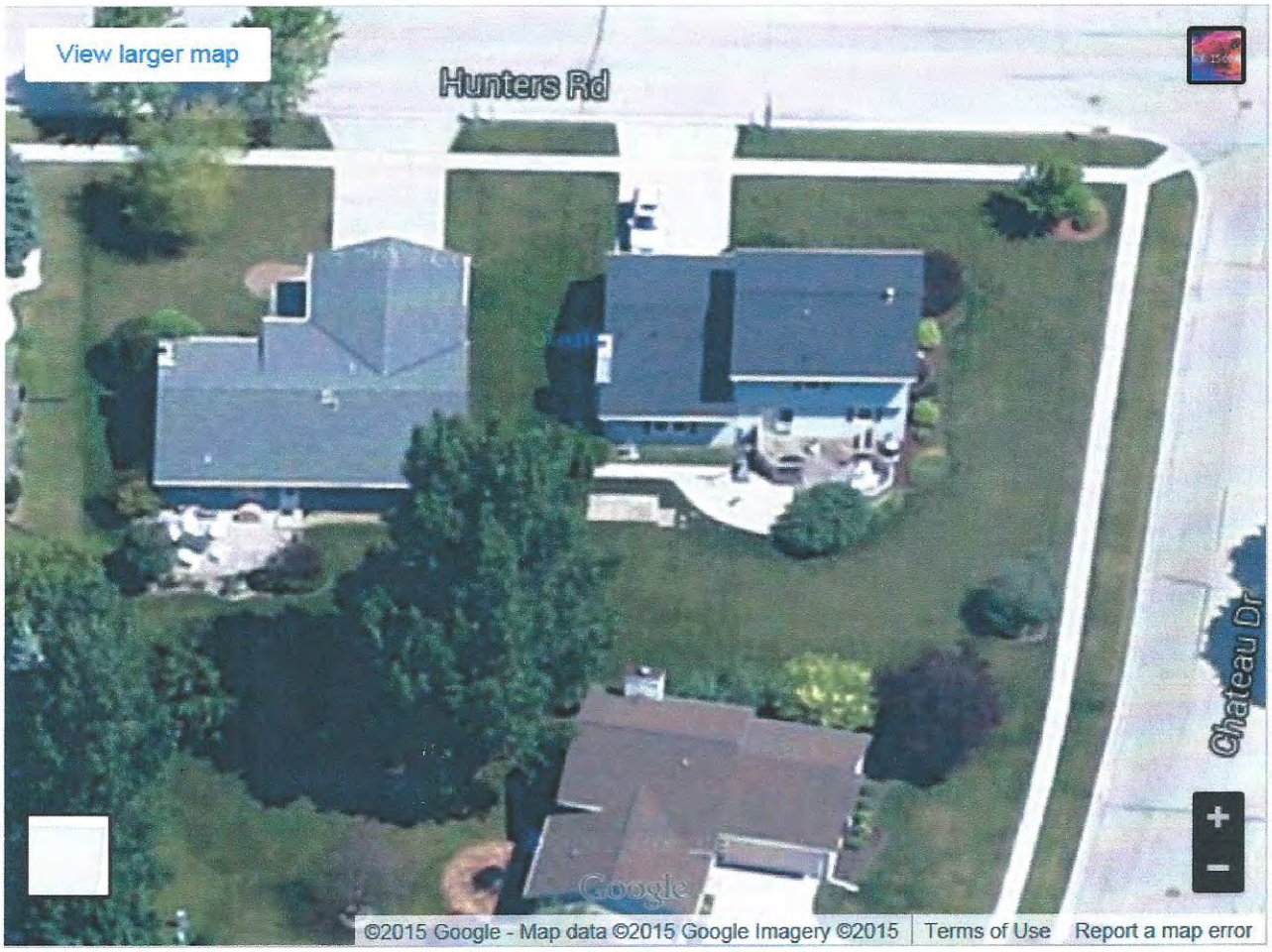
STANLEY J. POTRYKUS — REGISTERED LAND SURVEYOR S-500

Side yard 6' and 10'

* FENCE LOCATION AROUND THE UTILITY PEDESTALS WILL DEPEND ON UNDERGROUND CABLES AND WHAT IS ALLOWABLE.

Medium

<iframe src="https://www.google.com/maps/embed?pb=!1m14!1m12!1m3!1d138.



We Energies
500 S. 116th St.
West Allis, WI 53214-1000
www.we-energies.com

VIA EMAIL: kimmie_11@charter.net

June 4, 2015

Kim Dasko
N170W20015 Hunters Rd
Jackson, WI 53037

SUBJECT: ENCROACHMENT OF FENCE IN EASEMENT
LOT 25, WILLOW RIDGE SUBDIVISION
WEPCO FILE NO. 150000-070

Dear Kim Dasko:

Your request to construct a fence on the property located at N170W20015 Hunters Rd in the Village of Jackson, Washington County, Wisconsin has been reviewed.

Wisconsin Electric Power Company, a Wisconsin corporation, doing business as We Energies, has no objection to the construction of the fence as long as the following conditions are met:

1. Digger's Hotline must be called a minimum of 3 working days prior to the onset of any digging. They will mark cables in the area of the construction. Their number is 1-800-242-8511 or you may dial 811.

2. Fence posts must be 3 feet away from any underground cables whether they are on your property or on an adjoining property.

3. The fence must be 3 feet away from any pedestal whether it is on your property or on an adjoining property (pedestals are smaller and rectangular in shape).

4. The fence must be 10 feet away from the **door** side of any pad-mounted transformer and 3 feet away from the other sides whether the pad-mounted transformer is on your property or on an adjoining property (transformers are larger and square in shape, the door is the side with the padlock on it).

5. If a pole is enclosed on your property, maintain a 4 foot clear area around it, so that a utility worker would be able to climb the pole.

Finally, please be aware that Wisconsin Electric Power Company must have access to its facilities for routine and emergency maintenance, repairs and replacement. Should the fence be constructed in such a way to make access difficult or impossible, a portion of the fence may be removed to provide adequate access to our facilities. Wisconsin Electric Power Company will not be liable for the reconstruction of the fence or any damages to the fence.

In the event you sell your property at **N170W20015 Hunters Rd** this permission terminates.

Please acknowledge above terms by signing this letter and returning to Esther at esther.casey@we-energies.com, or by fax (414)221-2713, or you may mail it to Esther's attention at We Energies, 333 W. Everett St., Room A252, Milwaukee, WI 53203.

_____ _____
(name) (name)

Please call me at the number below if you have any further questions or concerns.

Sincerely,

Deborah Meier

Deborah Meier
Right of Way Analyst – 414-944-5761

r:\data\as\real estate\encroachments\150000-070-dasko-ug-fence-email.doc

NAME		POLICE CHIEF RECOMMENDATION
Operator's License Application:		
Tina Nelson	Jackson Pub	Approve
Wendy K Nicolato	East Side Mart	Approve with Conditions per Memo
Elizabeth K Theriault	Walgreens	Approve
Brianna K Haeflinger	Main Street Mart	Approve
Patricia M Krull	Pizza Station	Approve

ORDINANCE #15-03

AN ORDINANCE REPEALING CHAPTER 7.14 C. (4),
HOTEL AND MOTEL REGISTRATION FOR TRANSIENT LODGING,
OF THE MUNICIPAL CODE
OF THE VILLAGE OF JACKSON

THE VILLAGE BOARD OF THE VILLAGE OF JACKSON, WASHINGTON COUNTY, WISCONSIN, does ordain as follows:

SECTION 1.
Section 7.14 C. 4. of the Municipal Code of the Village of Jackson, Wisconsin is repealed:

~~The registration record provided in this section shall be open for inspection of all law enforcement officers.~~

SECTION II. This Ordinance shall take effect from and after its passage and posting.

Introduced by: _____ Seconded by: _____

Passed and Approved: _____ Vote: _____ Aye: _____ Nay

_____
Michael E. Schwab, Village President

_____
Attest: Deanna L. Boldrey, Village Clerk

Proof of Posting:

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

Dated: _____ Village Official: _____

Deanna,

Please place the following item(s) on the B & F and VB Agenda's for July.

Bids received for old Ambulance 1250

Thanks,

John

MEMO:

To: Budget & Finance and Village Board Members

From: Chief Skodinski

Date: July 8, 2015

Re: Bids for old Ambulance 1250

The Jackson FD received two (2) bids for the ambulance they are listed below:

From a Mr. Koski	$4,573.00
From “Big Red Fun, Inc.”	$1,525.00

The bids are lower than what I was expecting to receive and as the fire department does not have an urgent need to sell the ambulance I asking that the bids be rejected. The JFD will try a different avenue to advertise the ambulance.

Thank you,

Chief John Skodinski

Clark Dietz
ENGINEERS

June 23, 2015

Mr. Brian Kober, P.E.
Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

Re: Digester Improvements Project

Dear Mr. Kober:

Clark Dietz, Inc. has reviewed the fifth pay request from Sabel Mechanical, LLC for the Digester Improvements Project currently underway at the wastewater treatment plant. The total amount requested on this draw is $51,268.31 for the following work completed:

- General contract work.
- Painting work.
- Installation of process piping.
- Electrical work in the digester building.
- Installation of digester mixing equipment.
- Work on the digester covers.

Less the 5% retainage, Sabel is requesting a payment of $48,704.89. At this time Clark Dietz, Inc. takes no exceptions to their request and recommends payment by the Village.

Sincerely,
Clark Dietz, Inc.

Diane L. Thoune

Diane L. Thoune, P.E.
Project Engineer

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:
Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

FROM CONTRACTOR:
Sabel Mechanical LLC
N7295 Winnebago Drive
Fond du Lac, WI 54935

CONTRACT FOR: Digestor Improvements

PROJECT:
Village of Jackson WWTP
Digestor Improvements
Jackson, WI 53037

VIA ARCHITECT:
Clark Deitz, Inc
5017 Green Bay Road
Suite 126
Kenosha, WI 53144

APPLICATION #: 1010-5
PERIOD TO: 06/05/15
PROJECT NOS:
CONTRACT DATE: 08/01/14

Distribution to:
- [ ] Owner
- [ ] Const. Mgr
- [x] Architect
- [ ] Contractor
- [ ]

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM----------	$	367,900.00
2. Net change by Change Orders----------$	$	
3. CONTRACT SUM TO DATE (Line 1 +/- 2)	$	367,900.00
4. TOTAL COMPLETED & STORED TO DATE-$ (Column G on Continuation Sheet)		205,600.00
5. RETAINAGE:		
a. 5.0% of Completed Work (Columns D+E on Continuation Sheet)	$	10,280.00
b. 10.0% of Stored Material (Column F on Continuation Sheet)	$	
Total Retainage (Line 5a + 5b or Total in Column 1 of Continuation Sheet--------	$	10,280.00
6. TOTAL EARNED LESS RETAINAGE---------- (Line 4 less Line 5 Total)	$	195,320.00
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)----------	$	146,615.11
8. CURRENT PAYMENT DUE----------	$	48,704.89
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$	172,580.00

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month		
TOTALS		
NET CHANGES by Change Order		

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due.

CONTRACTOR:

By: _____ Date: 6/5/15

State of: _____
County of: _____
Subscribed and sworn to before me this ____ day of _____

Notary Public: _____
My Commission expires:

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on on-site observations and the data comprising application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ---------- $_____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner of Contractor under this Contract.

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

PROJECT:
Village of Jackson WWTP
Digestor Improvements
Jackson, WI 53037

APPLICATION NUMBER: 1010-5
APPLICATION DATE: 08/19/14
PERIOD TO: 5-Jun-15
ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
Item No.	Description of Work	Scheduled Value	Work Completed		Materials Presently Stored (Not In D or E)	Total Completed And Stored To Date (D + E + F)	% (G/C)	Balance To Finish (C - G)	Retainage
			From Previous Application (D + E)	This Period					
1	General Contract work	29,317.00	22,161.65	7,155.35		29,317.00	100%		1,465.85
2	General Demolition Work	13,060.00	13,060.00			13,060.00	100%		653.00
3	Painting Work	14,880.00	3,500.00	11,380.00		14,880.00	100%		744.00
4	Process Piping	47,544.00	32,745.04	14,498.96		47,244.00	99%	300.00	2,362.20
5	Electrical Work	33,659.00	29,500.00	4,159.00		33,659.00	100%		1,682.95
6	Digestor Mxing Equipment	114,000.00		12,000.00		12,000.00	11%	102,000.00	600.00
7	Digestor Covers	55,440.00	53,365.00	2,075.00		55,440.00	100%		2,772.00
8	Allowance	20,000.00						20,000.00	
9	Digestor Inspection	40,000.00						40,000.00	
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	SUBTOTALS PAGE 2	367,900.00	154,331.69	51,268.31		205,600.00	56%	162,300.00	10,280.00

MEMO

To: Brian Kober, P.E.
From: Diane Thoune, P.E.
Date: May 27, 2015
Subject: Jackson WWTP Digester Improvements – Digester #2 Inspection
Copies: Jeff Deitsch

On May 21st I completed an inspection of Digester #2 at the Jackson WWTP with Jeff Deitsch. This inspection was conducted to review the structural condition of the cover. Inspections by Sabel Mechanical and plant operators revealed significant deterioration of some of the cover's structural supports. Jeff stated that they are considering replacing the cross bracing in each truss with new stainless steel members. The main truss beams will remain in place and be blasted and coated.

I entered the digester through the access hatch and visually inspected the cover supports from a ladder. Pictures from my inspection are shown below. The digester structure had already been cleaned and painted. The digester cover's sidewalls, ceiling, and main truss members appear to be in good condition. As shown below, the cross bracing on each of the cover trusses is in very poor condition. The members show significant deterioration. It appears that the beams are not continuous in some locations.

I shared the inspection photos with our structural engineer. He stated that with the main members in good condition, blasting and painting is appropriate, as is using stainless steel for the cross bracing. It appears that the existing connections are welded, and stainless steel is typically easily welded to plain steel. If the existing connections are bolted, welding new connections is acceptable, or bolt with Type 316 stainless steel fasteners according to ASTM F593. If the new cross bracing is to be welded to the existing steel, the welds should also be painted. Another option is to install the stainless steel bracing and then paint everything including the stainless steel, provided the stainless steel surface has been prepared to receive paint. This will allow the welds to be coated seamlessly. If the stainless steel is not going to be painted, we recommend using Type 316 within the digester. If the stainless members are being painted along with the rest of the steel, Type 304 will be suitable.

Since the rest of the cover and frame are painted plain steel, however, stainless steel may not be the most advantageous option. It may be more cost effective to use plain steel with thicker angles than was originally used for the bracing. For example, if the existing angles were 3/16 or 1/4 thick, use 3/8 thick angles instead and paint those along with the rest of the steel. The thicker material will still be significantly less expensive than the stainless steel. We recommend the Village obtains two quotes from Sabel, one for replacing the cross bracing with unpainted Type 316 stainless steel, and one for using plain steel and painting the cross bracing along with the rest of the cover.

Jeff also pointed out several bubbles in the roof surface. He was informed by the contractor that the bubbles will be removed and replaced after the repairs are made to the cover and it is put back in place.

Document G701

Change Order

PROJECT: *(Name and Address)* Jackson WWTP Digestor Improvements Jackson, WI 53037	**CHANGE ORDER NUMBER:** 1 **DATE:** 7/6/2015 **ARCHITECT'S PROJECT NO:**	OWNER	☐
		ARCHITECT	☑
		CONTRACTOR	☑
TO CONTRACTOR: *(Name and Address)* Sabel Mechanical LLC N7295 Winnebago Drive Fond du Lac, WI 54935	**CONTRACT DATE:** 8/1/2014 **CONTRACT FOR:** Digestor Improvements	FIELD	☐
		OTHER	☐

The Contract is changed as follows:
(Include, where applicable, any undisputed amount attributable to previously executed Construction Change Directives)

The original Contract Sum was	$	$367,900.00
The net change by previously authorized Change Orders	$	$0.00
The Contract Sum prior to this Change Order was	$	$367,900.00
The Contract Sum will be increased by this Change Order in the amount of	$	$141,662.60
The new Contract Sum including this Change Order will be	$	$509,562.60

The Contract Time will be increased by <enter days in words> ( ) days

The date of Substantial Completion as of the date of this Change Order therefore is

(Note: This Change Order does not include changes in the Contract Sum, Contract Time or Guaranteed Maximum Price which have been authorized by Construction Change Directive until the cost and time have been agreed upon by both the Owner and Contractor, in which case a Change Order is executed to supersede the Construction Change Directive.)

NOT VALID UNTIL SIGNED BY THE ARCHITECT, CONTRACTOR AND OWNER.

Clarke Deitz, Inc. ARCHITECT *(Firm name)*	Sabel Mechanical LLC CONTRACTOR *(Firm name)*	Village of Jackson OWNER *(Firm name)*
5017 Green Bay Road, Kenosha, WI ADDRESS	N7295 Winnebago Drive, WI 54935 ADDRESS	N168 W20733 Main St., Jackson, WI 5303 ADDRESS
BY (*Signature*)	BY (*Signature*)	BY (*Signature*)
Typed name	Doug Sabel, Owner *Typed name*	*Typed name*
DATE	DATE	DATE

QUOTE

SABEL MECHANICAL LLC
DOUG SABEL
N7295 Winnebago Drive Fond du Lac, WI 54935
920-904-5579
doug@sabelmechanical.com

DATE: 7/1/15

QUOTE #:

SEND TO
Village of Jackson Jackson WWTP

Date	Job	Payment Term	QUOTE EXPIRES
7/1/15	More digester 2 cover repairs	30 DAYS	30 DAYS

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Sabel Mechanical LLC will supply labor, materials and equipment to install new fabricated steel: Remove 16 pieces of C channel, install new pieces after cover has been painted, with new stainless bolts and caulk to match existing. "where c channel bolts to top cord of truss to remain as is" Remove and Install 16 steel angle iron cross braces going from truss to truss Remove and install 8 steel bottom cord truss pieces and reinstall them with same length of flat steel on the bottom of truss as existing truss removed Remove and install 16 steel vertical truss braces Supply 8 new stainless bolts for vertical bracing from exterior vertical "I" beam to lower cord of truss We are not doing anything with top cord of truss or gusset plates at the tail of the truss, we plan on re-welding to these Total for work listed above		$34,879.00

SUBTOTAL	$
SALES TAX	$
TOTAL	$34,879.00

QUOTE

SABEL MECHANICAL LLC
DOUG SABEL
N7295 Winnebago Drive Fond du Lac, WI 54935
920-904-5579
doug@sabelmechanical.com

DATE: 6/15/15

QUOTE #:

SEND TO
Village of Jackson Jackson WWTP

Date	Job	Payment Term	QUOTE EXPIRES
6/15/15	Digester Cover	30 DAYS	30 DAYS

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Sabel Mechanical LLC will supply labor, materials and equipment to install scaffolding inside of digester to remove and replace 32 pieces of cross bracing supplied by Walker Process Equipment for the 8 main trusses.		$38,758.00
	Porta Painting Quote #34789		$58,318.00
	Profit and overhead 10%		$9707.60

SUBTOTAL	$
SALES TAX	$
TOTAL	$106,783.60

portapainting

Porta-Painting, Inc. - 313 Travis Lane - Waukesha, WI 53189 - **ph** (262)-970-9713 - **fax** (262)-970-9723 - **email** john.a@portapainting.com

June 3, 2015

QUOTE #34789

Attn: Mark Sabel
Sabel Mechanical
Email: mark@sabelmechanical.com

Subject: Blast and paint underside of Digester #2 35' diameter cover in place

Scope:

- All access will be through 30" man ways.
- General contractor will erect scaffolding in the digester with a floor approximately 7' below the underside of the cover. There will be a ladder from the floor to the man way.
- First abrasive blast will be perimeter of 8 trusses to allow for removal of cross bracing and re-welding of new steel cross bracing.
- Abrasive blast trusses, underside of cover, gas dome, interior and exterior side of skirt to an SSPC-SP 10 finish with a 1.5 to 2 mil profile. Blow down surfaces.
- Vacuum up media. Media will be tested and disposal will be in a licensed landfill.
- Spray 1 prime coat Tnemec Series 120 Vinester 5002 at 12-18 mils DFT on blasted surfaces.
- Spray 1 coat Series 120 on welds.
- Spray 1 finish coat Series 120 Vinester 5001 at 12-18 mils DFT.

Total Base Bid: $58,160.00

Optional Deduct: $6,350.00 to apply 1 coat Tnemec Series 69 primer and 1 coat Series 46 coal tar epoxy at 16-20 mils DFT instead of Series 120.

Surface temperature of steel must be at least 60 degrees for application of Series 120.

Notes:

- Work will be done first shift Monday – Friday.
- Owner will supply all power and hook-ups.
- We will park media hopper, bulker trailer and equipment next to digester or in parking spaces.
- We are assuming that the existing coating is non-hazardous and does not contain heavy metals.
- Digester will be cleaned out by others and ready for blasting and painting.
- Eductor tube and supports will be removed by others prior to starting work.

Exclude:

- Blasting and painting of man ways, all piping and exterior skirt.
- Dehumidifaction equipment, heat and holiday testing.
- Hazardous media disposal costs.
- Final cleaning of digester tank surfaces.

Valid until July 3, 2015
TERMS: Net 30, Exhibit A
Building Contractor Registration Number 1096244

Visit our new website at: www.portapainting.com

Thank you for allowing us to quote on your requirements.
Exhibit A of Terms and Conditions is included
Sales tax for personal property is not included.

By: John Andritsch _____
John Andritsch, Project Manager/Estimator

This quote is accepted including Exhibit A.

By _____

Title _____

Date _____

Exhibit A
PORTA-PAINTING, INC. TERMS AND CONDITIONS

Porta-Painting's Proposal is expressly conditioned upon Customer's unconditional acceptance of the following Terms and Conditions:

1. **Acceptance.** This proposal constitutes a binding agreement ("Agreement") when signed by Customer's duly authorized representative, which Agreement is expressly conditioned upon and limited to the terms set forth herein. Any additional terms are void unless accepted in writing by Porta-Painting.
2. **Sequencing.** This proposal is based upon proper sequencing per PDCA Standard P7-99. Work performed out of sequence will effect the cost of Porta-Painting performing our work. These additional costs will be passed on to the Customer.
3. **Payment.** Customer shall pay Porta-Painting within thirty (30) days after receipt of Porta-Painting's invoice. Customer shall be liable for expenses, including attorneys fees and costs, incurred by Porta-Painting in connection with any action taken to collect payments due from Customer.
4. **Changes.** If any changes in the work requested by Customer cause an increase or decrease in the cost or time required for the performance, an equitable adjustment shall be made and this Order shall be modified in writing accordingly.
5. **Warranty.** Porta-Painting warrants that the materials and workmanship provided by it shall be free of defects and shall conform to the description and specifications described in this Agreement and any specifications and drawings incorporated by reference herein. **All other warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose are excluded.**
6. **Delay Damages.** Porta-Painting shall not be liable for damages delays occasioned by causes beyond its control, including but not limited to the action or failure to act by others, fire, act of God, or unusually severe weather. Porta-Painting is not responsible for any indirect expenses, overhead, incidental or consequential damages of Customer under any circumstances as a result of such delays.
7. **Termination.** Porta-Painting may terminate this Agreement or any part thereof for cause in the event Customer fails to comply with any of its terms and conditions. In the event of termination for cause Customer shall be liable to, indemnify and hold harmless Porta-Painting against any and all damages, including attorneys fees, sustained by reason thereof.
8. **Assignment.** No part of this Agreement may be assigned or without the written approval of Porta-Painting.
9. **Waiver.** Porta-Painting's failure to insist on performance of any of the terms or conditions of this Agreement or to exercise any rights or privileges or Porta-Painting's waiver any Customer breach shall not thereafter waive any other terms, conditions or privileges, whether of the same or similar type.
10. **Modification of Agreement.** This Agreement, including the terms and conditions, constitutes the complete provisions of the parties' contract. No prior written or oral representation shall in any way modify these terms and conditions. In addition, Customer expressly agrees that any modification of this Order will only be effective if agreed to by Porta-Painting in writing.
11. **Entire Agreement.** This document represents the ENTIRE AGREEMENT between the parties. All representations and warranties, whether oral or written, regarding the subject matter of this Agreement are contained herein. All prior and contemporaneous conversations, negotiations, possible representations and warranties with respect to the subject matter hereof are waived and superseded by this Agreement.
12. **PDCA Standards.** Painting and Decorating Contractors of America Standards P1-92 and P4-94 are incorporated herein by reference.
13. **Insurance.** Customer agrees to pay for the costs of any insurance coverage beyond that normally carried by Porta-Painting. Any provision of this Agreement to the contrary notwithstanding, Port-Painting shall not provide waivers of subrogation, indemnification against the negligence of others, primary coverage under its liability polices for additional named insureds, if any, nor limit its liability under workers' compensation acts, disability benefit acts or other employee benefit acts by indemnification or otherwise.
14. **Legality of Terms.** If any provision in these Terms and Conditions is stricken or deemed illegal, the remaining terms shall remain in full force and effect.
15. **Jurisdiction and Venue.** Wisconsin law shall apply to interpret and govern this Agreement and these Terms and Conditions, as well as all disputes arising out of them. Venue of any disputes regarding this Agreement shall be in Milwaukee County, Wisconsin. Further, by accepting this proposal, Customer agrees to be subject to personal jurisdiction in the State of Wisconsin.
16. **Dispute Resolution.** Disputes relating in any way to this Agreement shall be settled by arbitration conducted by the American Arbitration Association (AAA) in accordance with its Construction Industry rules and procedures, except only that a single arbitrator shall be used. The decision of the arbitrator shall be final and binding with respect to all matters submitted to arbitration, shall be enforceable in accordance with the provisions of the Wisconsin Arbitration Act and attorney's fees shall be awarded to the prevailing party in the arbitration.
17. **Backcharges.** The following conditions must be met before a backcharge will be accepted: Porta-Painting must be notified within 5 business days of the occurrence. Indisputable evidence that the damage was done solely by Porta-Painting's employees or Porta-Painting's subcontractor must be present. Porta-Painting will be directly involved in the negotiation to remedy the situation and agree on a dollar value prior to the repair being completed.
18. **Prime Contracts.** Prime Contracts incorporated solely by the contract language of the General Contractor 's contract documents shall be excluded unless written copy of the Prime Contract is provided with contract documents from the General Contractor. Upon receipt and review of the Prime Contract documents, bid may be withdrawn or extra costs assessed based on the additional burden placed on Porta-Painting by the Prime Contract.
19. **Disposal.** Porta-Painting will gather all debris and place into dumpster provided by owner. Porta-Painting will remove all solvents used for cleaning equipment and unopened untinted materials. All open and/or tinted materials will be left with owner.

(rev 5-06)

06-05-2015

QUOTE
18692

CONTRACT#: UW03406

WALKER PROCESS EQUIPMENT
A DIVISION OF MCNISH CORPORATION
840 N RUSSELL AVE
AURORA, ILLINOIS 60506
PHONE: (630) 892-7921
FAX: (630) 892-7951
Brian Freeman
(630) 264-5244
bfreeman@walker-process.com

CUSTOMER: SABEL MECHANICAL

JACKSON, WI

CONTACT: MARK GREBE
PHONE: 1-920-251-7694
FAX:

JOB NAME: JACKSON WI
JACKSON, WI

QTY	DESCRIPTION	UNIT	AMOUNT	SHIPMENT
8	TRUSS DIAGONAL MEMBER REF NUMBER 10	90.00	720.00	1 WEEK
8	TRUSS CROSS MEMBER REF NUMBER 11	75.00	600.00	1 WEEK
8	TRUSS CROSS MEMBER REF NUMBER 12	75.00	600.00	1 WEEK
8	TRUSS OUTSIDE DIAGONAL MEMBER REF NUMBER 13	55.00	440.00	1 WEEK

Net 15 Days after Shipment $2,360.00

NOTE: ALL PARTS LISTED WOULD SHIP BARE METAL (NO PAINT). ALL PARTS LISTED ARE IDENTICAL REPLACEMENT PARTS TO PARTS ORIGINALLY SUPPLIED UNDER CONTRACT UW03406.

NOTE:
PRICES ARE FIRM FOR THIRTY (30) DAYS FROM THIS QUOTATION. ALL PRICES QUOTED ARE BASED ON BUYERS ACCEPTANCE TO THE COMPANIES STANDARD TERMS OF SALES, AND/OR ADDITIONAL TERMS ON THIS QUOTATION. PRINTED COPIES CAN BE MAILED UPON WRITTEN REQUEST. WALKER PROCESS IS NOT REGISTERED TO COLLECT OR PAY TAXES FOR YOUR PURCHASE OF MATERIALS.

THE PRICES QUOTED ARE SUBJECT TO ADJUSTMENT TO REFLECT CHANGES IN THE COST OF MATERIAL (A) AND OTHER ITEMS (B) TO WALKER PROCESS DIVISION OF MCNISH CORPORATION THAT OCCUR BETWEEN QUOTATION AND TIME MATERIALS ARE PURCHASED AS MEASURED BY:
A. THE APPROPRIATE MATERIAL INDICES, SUCH AS NORTH AMERICAN CARBON STEEL PRICE INDEX.
B. PRICE REVISIONS FOR ITEMS NOT MANUFACTURED BY WALKER PROCESS, DIVISION OF MCNISH CORPORATION.

SIGNED: _____ DATE: _____

Delivery Terms
F.O.B. Aurora, IL or point of shipment with freight prepaid and added to the invoice.

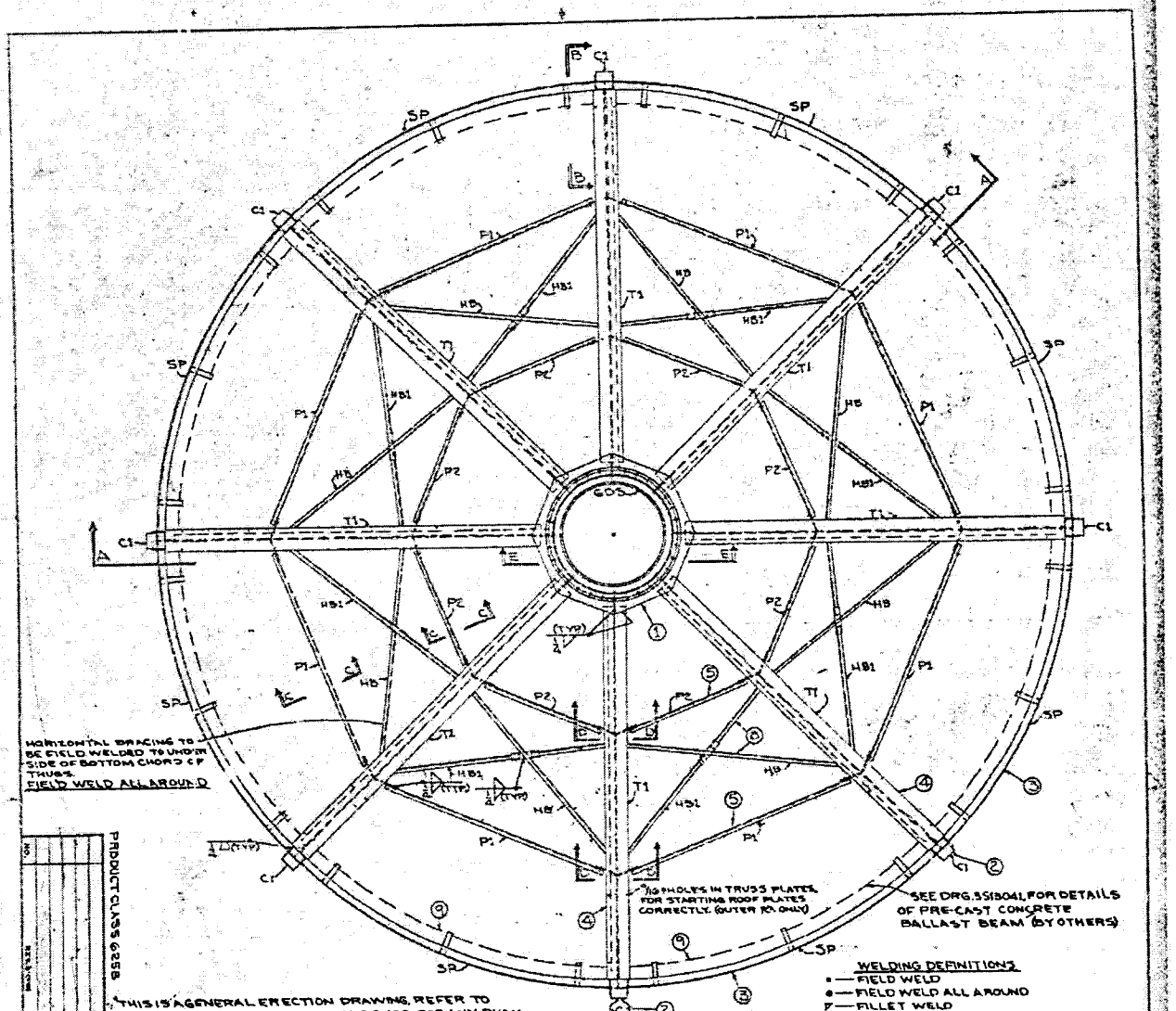
Payment Terms
Net 15 Days of Order

Minimum Order
$50.00

NOTE: Credit Card Orders are subject to 3% CC company charge.

When ordering parts, please refer to Contract Number: **UW03406** and Quote No. **18692**

BY: **Brian Freeman - (630) 264-5244** **REPAIR SALES**



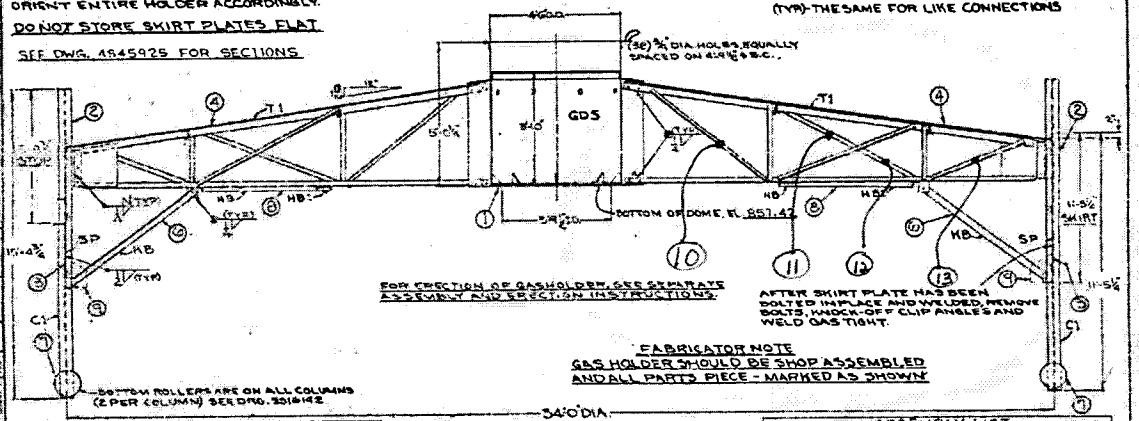
WELDING DEFINITIONS
- • — FIELD WELD
- ● — FIELD WELD ALL AROUND
- ▷ — FILLET WELD
- □ — PLUG WELD
- ¼ — SIZE OF WELD - ¼"
- (TYP) - THE SAME FOR LIKE CONNECTIONS

"THIS IS A GENERAL ERECTION DRAWING, REFER TO ANCHORAGE DRAWINGS FOR SPECIFIC JOB, FOR ANY PLAN VIEW ORIENTATION OF ENTRANCE HATCH LOCATIONS AND ORIENT ENTIRE HOLDER ACCORDINGLY."

DO NOT STORE SKIRT PLATES FLAT

SEE DWG. 1845925 FOR SECTIONS

PRODUCT CLASS 6258



FOR ERECTION OF GASHOLDER, SEE SEPARATE ASSEMBLY AND ERECTION INSTRUCTIONS

AFTER SKIRT PLATE HAS BEEN BOLTED IN PLACE AND WELDED, REMOVE BOLTS, KNOCK-OFF CLIP ANGLES AND WELD GAS TIGHT.

FABRICATOR NOTE
GAS HOLDER SHOULD BE SHOP ASSEMBLED AND ALL PARTS PIECE - MARKED AS SHOWN

SECTION A-A

ERECTION BOLTS	
24 - 3/4" DIA.	HEX NUTS ON DOME TO SUPPORT
36 - 3/4" x 1 1/2" LG.	TRUSSES TO DOME SUPPORT
24 - 3/4" x 1 1/2" LG.	TRUSSES TO COLUMNS (C1)
48 - 3/4" x 1 1/2" LG.	SKIRT PLATES TO COLUMNS
24 - 3/4" x 1 1/2" LG.	PURLINS TO TRUSSES
48 - 3/4" x 1 1/2" LG.	KNEE BRACE TO COL. & TRUSSES
24 - 3/4" WASHERS	STD PLAIN PURLINS TO TRUSSES

ASSEMBLY LIST	
1	GAS DOME SUPPORT (GDS)
2	COLUMNS (C1)
3	SKIRT PLATES (SP)
4	TRUSSES (T1)
5	PURLINS (P1 & P2)
6	KNEE BRACE (KB)
7	BOTTOM ROLLERS
8	TRUSS HORIZONTAL BRACING (HB & HB1)
9	CONCRETE BALLAST BEAMS (BY OTHERS)

STRUCTURAL ASSEMBLY 355' FLOAT-A-SEAL GAS HOLDER

WALKER PROCESS EQUIPMENT AURORA, ILL. U.S.A.

From: Diane L. Thoune
To: Mark@sabelmechanical.com
Cc: dirpubwks@villageofjackson.com; utilitysupt@villageofjackson.com
Subject: Jackson Digester Cover #2 request for quotation
Date: Friday, May 29, 2015 11:35:35 AM
Attachments: Secondary Digester Inspection 052115.pdf

Hello Mark,

I recently performed an inspection of the cover on Digester No. 2 at the Jackson WWTP. As you know, sections of the cover trusses are severely degraded and in need of repair. Please see the attached memo describing my findings. The Village is considering various options for the cover repairs and would like to request quotations from you for the following work:

1. Replacement of existing truss cross bracing with plain steel, sized as indicated in the attached memo. All the existing cross bracing shall be removed and disposed of according to the Detailed Specifications. Fastening of the new bracing to the existing trusses shall be the same the existing method. All steel truss members shall be prepared and coated as described in the Specifications and as completed on the exposed steel in Digester No. 1.
2. Replacement of truss cross bracing with Type 316 stainless steel, sized to match the existing members. Fastening of the new bracing to the existing trusses shall be the same as the existing method. Coating of the cross bracing is not required. The remaining plain steel truss members and welds shall be prepared and coated as described in the Detailed Specifications and as completed on the exposed steel in Digester No. 1.
3. Completion of either Option 1 or 2 above by removal of the cover from the digester. The cover must be supported properly for safe removal of the structure and to prevent damage and racking. After the repairs and coating is complete, the cover shall be reinstalled on the digester and placed back into service.
4. Completion of either Option 1 or 2 above without removal of the cover from the digester. The cover shall be left in place and scaffolding assembled within the digester to properly and safely perform the truss repairs. Upon completion, the scaffolding shall be removed and the digester placed back into service.

Also, I know we still have to clear up the remaining questions from Pieper about the mixing pump pressure sensors and controls. Our electrical engineer comes back from vacation on Monday. I will send out a request for a teleconference to everyone so we can discuss this. Pieper does have the new sensors back now, correct?

Please let me know if you have any questions, and I'll be watching for your response. Village staff would like to have the remaining work of this contract completed as quickly as possible.

Thank you,

Diane

Diane L. Thoune, P.E.

Clark Dietz, Inc. - Engineers
5017 Green Bay Road, Suite 126
Kenosha, WI 53144
262.657.1550 - office
262.657.1594 - fax
diane.thoune@clarkdietz.com
www.clarkdietz.com

Please consider the environment before printing this e-mail.

QUOTE

N7295 Winnebago Drive Fond du Lac, WI 54935
920-904-5579
doug@sabelmechanical.com

DATE: 6/15/15

QUOTE #:

SEND TO
Village of Jackson Jackson WWTP

Date	Job	Payment Term	QUOTE EXPIRES
6/15/15	Remove Digester Cover	30 DAYS	30 DAYS

QTY	DESCRIPTION	UNIT PRICE	LINE TOTAL
	Sabel Mechanical LLC will supply labor, materials and equipment to remove the digester cover and place in parking lot. Sabel Mechanical LLC will supply labor to remove and replace 32 existing cross brace members per Walker Process Equipment for the Digester #2. After Cover is painted, Sabel Mechanical LLC will reinstall cover on digester.		$69,334.00
	Porta Painting Quote #34788		$59,750.00
	Profit and Overhead		$12,908.40
		SUBTOTAL	$
		SALES TAX	$
		TOTAL	$141,992.00

portapainting

Porta-Painting, Inc. - 313 Travis Lane - Waukesha, WI 53189 - **ph** (262)-970-9713 - **fax** (262)-970-9723 - **email** john.a@portapainting.com

June 3, 2015

QUOTE #34788

Attn: Mark Grebe
Sabel Mechanical
Email: mark@sabelmechanical.com

Subject: Jackson WWTP Digester #2 35' diameter cover interior

Scope:

- GC will remove cover from tank and place on timbers on asphalt. Timbers must be high enough to allow for access under cover. We must have sufficient room for staging our compressors and media hopper next to cover.
- We will erect scaffold towers under cover to allow us access to surface.
- First abrasive blast will be perimeter of 8 trusses to allow for removal of cross bracing and re-welding of new steel cross bracing.
- Abrasive blast trusses, underside of cover, gas dome, interior and exterior side of skirt to an SSPC-SP 10 finish with a 1.5 to 2 mil profile. Blow down surfaces.
- Vacuum up media. Media will be tested and disposal will be in a licensed landfill.
- Spray 1 prime coat Tnemec Series 120 Vinester 5002 at 12-18 mils DFT on blasted surfaces.
- Spray 1 coat Series 120 on welds.
- Spray 1 finish coat Series 120 Vinester 5001 at 12-18 mils DFT.

Total Base Bid: $59,750.00

Optional Deduct: $7,400.00 to apply 1 coat Tnemec Series 69 primer and 1 coat Series 46 coal tar epoxy at 16-20 mils DFT instead of Series 120.

Surface temperature of steel must be at least 60 degrees for application of Series 120.

Notes:

- Work will be done first shift Monday – Friday.
- Owner will provide all power requirements.
- We are assuming existing coating is non-hazardous and does not contain any heavy metals.

Exclude:

- Blasting and painting steel roller column above cover skirt.
- Dehumidification equipment.
- Dust control during blasting.
- Hazardous media disposal.

Valid until July 3, 2015
TERMS: Net 30, Exhibit A
Building Contractor Registration Number 1096244

Visit our new website at: www.portapainting.com

Thank you for allowing us to quote on your requirements.
Exhibit A of Terms and Conditions is included
Sales tax for personal property is not included.

By: John Andritsch _____
John Andritsch, Project Manager/Estimator

This quote is accepted including Exhibit A.

By _____

Title _____

Date _____

Exhibit A
PORTA-PAINTING, INC. TERMS AND CONDITIONS

Porta-Painting's Proposal is expressly conditioned upon Customer's unconditional acceptance of the following Terms and Conditions:

1. **Acceptance.** This proposal constitutes a binding agreement ("Agreement") when signed by Customer's duly authorized representative, which Agreement is expressly conditioned upon and limited to the terms set forth herein. Any additional terms are void unless accepted in writing by Porta-Painting.
2. **Sequencing.** This proposal is based upon proper sequencing per PDCA Standard P7-99. Work performed out of sequence will effect the cost of Porta-Painting performing our work. These additional costs will be passed on to the Customer.
3. **Payment.** Customer shall pay Porta-Painting within thirty (30) days after receipt of Porta-Painting's invoice. Customer shall be liable for expenses, including attorneys fees and costs, incurred by Porta-Painting in connection with any action taken to collect payments due from Customer.
4. **Changes.** If any changes in the work requested by Customer cause an increase or decrease in the cost or time required for the performance, an equitable adjustment shall be made and this Order shall be modified in writing accordingly.
5. **Warranty.** Porta-Painting warrants that the materials and workmanship provided by it shall be free of defects and shall conform to the description and specifications described in this Agreement and any specifications and drawings incorporated by reference herein. **All other warranties, express or implied, including any warranties of merchantability or fitness for a particular purpose are excluded.**
6. **Delay Damages.** Porta-Painting shall not be liable for damages delays occasioned by causes beyond its control, including but not limited to the action or failure to act by others, fire, act of God, or unusually severe weather. Porta-Painting is not responsible for any indirect expenses, overhead, incidental or consequential damages of Customer under any circumstances as a result of such delays.
7. **Termination.** Porta-Painting may terminate this Agreement or any part thereof for cause in the event Customer fails to comply with any of its terms and conditions. In the event of termination for cause Customer shall be liable to, indemnify and hold harmless Porta-Painting against any and all damages, including attorneys fees, sustained by reason thereof.
8. **Assignment.** No part of this Agreement may be assigned or without the written approval of Porta-Painting.
9. **Waiver.** Porta-Painting's failure to insist on performance of any of the terms or conditions of this Agreement or to exercise any rights or privileges or Porta-Painting's waiver any Customer breach shall not thereafter waive any other terms, conditions or privileges, whether of the same or similar type.
10. **Modification of Agreement.** This Agreement, including the terms and conditions, constitutes the complete provisions of the parties' contract. No prior written or oral representation shall in any way modify these terms and conditions. In addition, Customer expressly agrees that any modification of this Order will only be effective if agreed to by Porta-Painting in writing.
11. **Entire Agreement.** This document represents the ENTIRE AGREEMENT between the parties. All representations and warranties, whether oral or written, regarding the subject matter of this Agreement are contained herein. All prior and contemporaneous conversations, negotiations, possible representations and warranties with respect to the subject matter hereof are waived and superseded by this Agreement.
12. **PDCA Standards.** Painting and Decorating Contractors of America Standards P1-92 and P4-94 are incorporated herein by reference.
13. **Insurance.** Customer agrees to pay for the costs of any insurance coverage beyond that normally carried by Porta-Painting. Any provision of this Agreement to the contrary notwithstanding, Port-Painting shall not provide waivers of subrogation, indemnification against the negligence of others, primary coverage under its liability polices for additional named insureds, if any, nor limit its liability under workers' compensation acts, disability benefit acts or other employee benefit acts by indemnification or otherwise.
14. **Legality of Terms.** If any provision in these Terms and Conditions is stricken or deemed illegal, the remaining terms shall remain in full force and effect.
15. **Jurisdiction and Venue.** Wisconsin law shall apply to interpret and govern this Agreement and these Terms and Conditions, as well as all disputes arising out of them. Venue of any disputes regarding this Agreement shall be in Milwaukee County, Wisconsin. Further, by accepting this proposal, Customer agrees to be subject to personal jurisdiction in the State of Wisconsin.
16. **Dispute Resolution.** Disputes relating in any way to this Agreement shall be settled by arbitration conducted by the American Arbitration Association (AAA) in accordance with its Construction Industry rules and procedures, except only that a single arbitrator shall be used. The decision of the arbitrator shall be final and binding with respect to all matters submitted to arbitration, shall be enforceable in accordance with the provisions of the Wisconsin Arbitration Act and attorney's fees shall be awarded to the prevailing party in the arbitration.
17. **Backcharges.** The following conditions must be met before a backcharge will be accepted: Porta-Painting must be notified within 5 business days of the occurrence. Indisputable evidence that the damage was done solely by Porta-Painting's employees or Porta-Painting's subcontractor must be present. Porta-Painting will be directly involved in the negotiation to remedy the situation and agree on a dollar value prior to the repair being completed.
18. **Prime Contracts.** Prime Contracts incorporated solely by the contract language of the General Contractor 's contract documents shall be excluded unless written copy of the Prime Contract is provided with contract documents from the General Contractor. Upon receipt and review of the Prime Contract documents, bid may be withdrawn or extra costs assessed based on the additional burden placed on Porta-Painting by the Prime Contract.
19. **Disposal.** Porta-Painting will gather all debris and place into dumpster provided by owner. Porta-Painting will remove all solvents used for cleaning equipment and unopened untinted materials. All open and/or tinted materials will be left with owner.

(rev 5-06)

APPLICATION AND CERTIFICATE FOR PAYMENT

TO OWNER:
Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

FROM CONTRACTOR:
Sabel Mechanical LLC
N7295 Winnebago Drive
Fond du Lac, WI 54935

CONTRACT FOR: Digestor Improvements

PROJECT:
Village of Jackson WWTP
Digestor Improvements
Jackson, WI 53037

VIA ARCHITECT:
Clark Deitz, Inc
5017 Green Bay Road
Suite 126
Kenosha, WI 53144

APPLICATION #: 1010-6
PERIOD TO: 06/30/15
PROJECT NOS:
CONTRACT DATE: 08/01/14

Distribution to:
- [ ] Owner
- [ ] Const. Mgr
- [x] Architect
- [ ] Contractor
- [ ]

CONTRACTOR'S APPLICATION FOR PAYMENT

Application is made for payment, as shown below, in connection with the Contract.
Continuation Sheet is attached.

1. ORIGINAL CONTRACT SUM	$	367,900.00
2. Net change by Change Orders	$	141,662.60
3. CONTRACT SUM TO DATE (Line 1 +/- 2)	$	509,562.60
4. TOTAL COMPLETED & STORED TO DATE-$ (Column G on Continuation Sheet)		223,244.00
5. RETAINAGE:		
a. 5.0% of Completed Work (Columns D+E on Continuation Sheet)	$	11,162.20
b. 10.0% of Stored Material (Column F on Continuation Sheet)	$	
Total Retainage (Line 5a + 5b or Total in Column 1 of Continuation Sheet	$	11,162.20
6. TOTAL EARNED LESS RETAINAGE (Line 4 less Line 5 Total)	$	212,081.80
7. LESS PREVIOUS CERTIFICATES FOR PAYMENT (Line 6 from prior Certificate)	$	195,320.00
8. CURRENT PAYMENT DUE	$	16,761.80
9. BALANCE TO FINISH, INCLUDING RETAINAGE (Line 3 less Line 6)	$	297,480.80

CHANGE ORDER SUMMARY	ADDITIONS	DEDUCTIONS
Total changes approved in previous months by Owner		
Total approved this Month	$141,662.60	
TOTALS	$141,662.60	
NET CHANGES by Change Order	$141,662.60	

The undersigned Contractor certifies that to the best of the Contractor's knowledge, information and belief the Work covered by this Application for Payment has been completed in accordance with the Contract Documents, that all amounts have been paid by the Contractor for Work for which previous Certificates for Payment were issued and payments received from the Owner, and that current payment shown therein is now due.

CONTRACTOR:

By: _____ Date: 7/6/15

State of: _____
County of: _____
Subscribed and sworn to before me this ____ day of _____

Notary Public: _____
My Commission expires:

CERTIFICATE FOR PAYMENT

In accordance with Contract Documents, based on on-site observations and the data comprising application, the Architect certifies to the Owner that to the best of the Architect's knowledge, information and belief the Work has progressed as indicated, the quality of the Work is in accordance with the Contract Documents, and the Contractor is entitled to payment of the AMOUNT CERTIFIED.

AMOUNT CERTIFIED ---------- $ _____

(Attach explanation if amount certified differs from the amount applied for. Initial all figures on this application and on the Continuation Sheet that are changed to conform to the amount certified.)

ARCHITECT:

By: _____ Date: _____

This Certificate is not negotiable. The AMOUNT CERTIFIED is payable only to the Contractor named herein. Issuance, payment and acceptance of payment are without prejudice to any rights of the Owner of Contractor under this Contract.

CONTINUATION SHEET

ATTACHMENT TO PAY APPLICATION

PROJECT:
Village of Jackson WWTP
Digestor Improvements
Jackson, WI 53037

APPLICATION NUMBER: 1010-6
APPLICATION DATE: 07/09/15
PERIOD TO: 30-Jun-15
ARCHITECT'S PROJECT NO:

A	B	C	D	E	F	G		H	I
Item No.	Description of Work	Scheduled Value	Work Completed		Materials Presently Stored (Not In D or E)	Total Completed And Stored To Date (D + E + F)	% (G/C)	Balance To Finish (C - G)	Retainage
			From Previous Application (D + E)	This Period					
1	General Contract work	29,317.00	29,317.00			29,317.00	100%		1,465.85
2	General Demolition Work	13,060.00	13,060.00			13,060.00	100%		653.00
3	Painting Work	14,880.00	14,880.00			14,880.00	100%		744.00
4	Process Piping	47,544.00	47,244.00			47,244.00	99%	300.00	2,362.20
5	Electrical Work	33,659.00	33,659.00			33,659.00	100%		1,682.95
6	Digestor Mxing Equipment	114,000.00	12,000.00			12,000.00	11%	102,000.00	600.00
7	Digestor Covers	55,440.00	55,440.00			55,440.00	100%		2,772.00
8	Allowance	20,000.00						20,000.00	
9	Digestor Inspection	40,000.00						40,000.00	
10	Scaffold	17,644.00		17,644.00		17,644.00	100%		882.20
11	Paint digester 2 cover	58,160.00						58,160.00	
12	Digester 2 miscellaneous	30,979.60						30,979.60	
13	Additional steel work #2	34,879.00						34,879.00	
14									
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28									
	SUBTOTALS PAGE 2	509,562.60	205,600.00	17,644.00		223,244.00	44%	286,318.60	11,162.20

Village of Jackson
Water Department

Memo

To: Brian Kober

From: Dan Rathke DR

CC: Jeff Deitsch

Date: 6/19/2015

Re: 200,000 gallon Tower exterior painting

I had received three bids to repaint the blue 200,000 gallon water tower.

Badger Specialty Coatings & Construction	$100,750.00
Osseo Construction Co.	$ 97,400.00
Superior Tank Company	$ 44,900.00

Superior Tank is the contractor we used last year to paint the white tank. This price will be to paint the tower the same painting scheme as the white tower with the exception of all white areas of the tower be painted a light blue with white "Jackson" lettering. If you choose to paint the tower a solid light blue color as it is now the price will be $43,400.00

I was happy with the quality of work performed by Superior tanks crew and recommend we hire then to paint the water tower.

Dan Rathke

Water Utility Supervisor

SUPERIOR TANK COMPANY, INC.

PO Box 1130
Madisonville, KY 42431
Phone (270) 821-1000 Fax (270) 821-7931

PROPOSAL

Proposal #:	P2015-0198HC	Date:	June 19, 2015
Submitted To:	Village of Jackson	Attention:	Mr. Dan Rathke
	PO Box 147	Phone:	262/677-9001 Ext: 23
	Jackson, WI 53037	Email:	watersuper@villageofjackson.com

We propose to furnish all labor, material, equipment and insurance necessary using our standard procedure to complete the following:

REF: ONE (1) 200,000 GALLON WATER SPHERE - WELDED - 156' TALL - POTABLE WATER

Scope: Exterior

a. Removal of loose coating and any mildew by WATERBLAST cleaning all areas of exterior surface, removal of rust and scale by HAND TOOL cleaning all deteriorated areas of the exterior surface.

b. Complete exterior inspection of the metal, of all the exterior walls, roof, floor (to the extent possible) and/or bowl shall be performed. The seams and welds shall be visually examined. The exterior support members and accessories shall be examined to verify structural integrity and Regulatory Code Conformance.

c. In the event of deficiencies, an oral representation of the structures existing condition, followed by a written proposal shall be presented to the owners' representative for final determination. No repairs shall be performed without the express consent of owner or owners' representative.

d. Upon completion of repairs, if any, the exterior shall be re-cleaned as required by the repair processes.

COLOR SCHEME AS FOLLOWS: Paint the entire tank the existing color EXCEPT, paint a NAVY BLUE band beginning at the top painter's ring to just below the middle of the tank shell. This BAND should be painted exactly and in the same location as on the 500,000 gallon tank that STC painted in 2014.

e. Application of one spot prime coat; TNEMEC PRIMER

f. Application of one full finsih coat of TNEMEC ENDURA-SHIELD II, SERIES 1074UV.

g. Re-application of logo 'as is': JACKSON in WHITE script letters on TWO sides of the tank.

h. APPLY A CLEAR COAT to the new navy blue band for help with color retention OR STC site supervisor may opt for applying an extra coat of 1074 UV instead of the clear coat. There will be no increase in price.

All The Above for the Total Sum Of..... $44,900.00

OPTION: A $1,500.00 DISCOUNT WILL BE GIVEN IF THE TANK IS PAINTED A SOLID LIGHT BLUE COLOR AND NOT TWO-TONED. THE RE-APPLICATION OF THE "JACKSON" LOGO WILL STILL BE APPLIED 'AS-IS' IN WHITE SCRIPT LETTERS ON TWO SIDES OF THE TANK. THIS OPTION ELIMINATES THE NEED FOR THE CLEAR COAT TO BE APPLIED ON THE BAND BECAUSE THERE WILL NOT BE A BAND WITH THE TANK ONLY ONE COLOR. THIS OPTION WOULD MAKE THE PRICE..... $43,400.00

General:

Materials shall be delivered to job site in original containers.
Owner to provide containers and dispose of any waste generated during this project.
MSDS documents shall be made available to the owner.
Customer to provide adequate power and water to jobsite.
Tank must be drained in order for warranty to be valid.
Down time (if caused by the owner, their subcontractors, or representatives) will be charged at a rate of $70 per hour per man. Daily rates will be charged at a rate of $560 per day per man.
Contractor assumes no responsibility for non-availability of materials and/or weather delays.
Tank owner to prohibit parking, protect valuables and restrict parking in areas adjacent to tank while work is being performed. STC, its employees, officers, directors, owners, subcontractors and/or their assigns are not responsible for paint claims. Customer understands that the paint can carry long distances in wind.
Tank owner will kill or properly shield all electrical lines within 30 feet of tank or supporting structure.
Providing forced air ventilation and proper cure times for paint projects are the responsibility of the owner.
Confined space monitoring will be done by oxygen sensors. If owner requires additional monitoring, the test equipment will be provided by the owner.
Materials shall be applied in weather conditions acceptable to coating manufacturers' recommendations.
Cure time for paint can be from 3-28 days depending on humidity and temperature.
All confined space stickers to be replaced with new if exterior is painted.
Certification of Workman's Compensation, and General Liability shall be available to owner.
Workmanship is warranted for a period of one year unless otherwise stated.
Disinfection and bacteriological testing (if required) is the responsibility of the owner.
An additional coat of exterior paint may be required for proper coverage. If so, additional charges will apply. The exterior paint will not be warrantied if it is determined that a second coat is needed and not accepted.
Down payments are non-refundable if customer cancels any portion of the contract.
If roof seams are not caulked, this area will not be warrantied.
This contract was drafted in the Commonwealth of Kentucky. Any litigation, if necessary will be according to the laws of the Commonwealth and will be tried in Hopkins County, Kentucky.
STC reserves the right to work weekends and up to 16 hour days. If customer requires different schedule, additional charges will apply.

NOTICE

All personnel will exhibit strict adherence in implementation of duties in accordance to 29 CFR 1910.145 Confined Space Entry and applicable Safety Procedures.

TERMS: 40% DOWN PAYMENT UPON ACCEPTANCE OF PROPOSAL; 60% DUE AND PAYABLE IMMEDIATELY UPON COMPLETION OF EXTERIOR COATING

Labor based on Open Shop Wages. No bonding or prevailing wages are included in quotation.

If required, the handling, removal and/or disposal of hazardous or contaminated material, such as asbestos, lead, chemicals or any like substance that requires special handling or that must be taken to a specific dump/disposal site is not included in the quotation for work submitted herein.

Accepted:

By: _____
Title: _____
Date: _____

Respectfully Submitted:

SUPERIOR TANK COMPANY, INC.
By: Heather Clark
Title: Corp Sales Dir.
Proposal Valid for 30 Days

To accept, sign and return to our office

Osseo Construction Co. LLC

14248 10th St
P O Box 143
Osseo, WI 54758

Estimate

Date	Estimate #
5/21/2015	230

Name / Address
Village of Jackson Dan Rathke N168 W20733 Main St. Jackson, WI 53037

Project

Description	Qty	Rate	Total
Estimate to paint 200MG Spheroid Water tank per specifications provided.		97,400.00	97,400.00

Call with any questions 715-456-5762

Total $97,400.00

BADGER SPECIALTY COATINGS & CONSTRUCTION LLC

Proposal

Dan Rathke
Water Utility, Supervisor
N168 W20733 Main St
Jackson, WI 53037
262-677-9001
414-840-9832 (cell)

PROJECT:
Elevated 200,000 gal spheroid

This quote to include the power washing of a 200,000 gal elevated storage tank BSCC will provide all equipment, material, labor and supervision to do this job in a safe and timely manner. We will prep and paint entire tank as per spec with Tnemec coatings. It is our understanding tank to contain a multicolor paint scheme consisting of light blue stand pipe, Dark blue dry area under bowl and light blue main body, with city name. We will not remove any cellcom or emergency response equipment however, we will take all necessary precautions to protect

Total
$ 100,750.00

5113 east US Hwy 14
Janesville, WI 53546

PHONE 608 290 3500
FAX 608 754 0668
EMAIL bscc@yahoo.com
WEB SITE

June 25, 2015

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

RE: Water Master Plan Update

Dear Brian,

We appreciate the opportunity to propose on the professional services contract for updating the Water Utility's Master Plan. The addition of the Town of Jackson water main extension recently completed, was not included in the 2007 Water Utility Master Plan. The Master Plan update will incorporate this addition, and re-evaluate the current state of the Utility. This will allow the Utility to meet the long term goals and objectives of the Village. Included in this proposal is our scope of services and proposed fee for this project.

If you have any questions or comments regarding this proposal please call me at 414.559.6883.

Sincerely,
City Water, LLC.

Thomas Nennig, P.E.
Project Manager

SCOPE OF SERVICES

Task

1. Update Utility Water Hydraulic Model
    a. Verify additions to the model from recent Town of Jackson water main extension
    b. Update model to include any water main additions, and relay projects in the Village

2. Update Water Demand
    a. Update water demand based on PSC annual reports. Demands will be used to develop detailed water usage by location, and customer class for the model

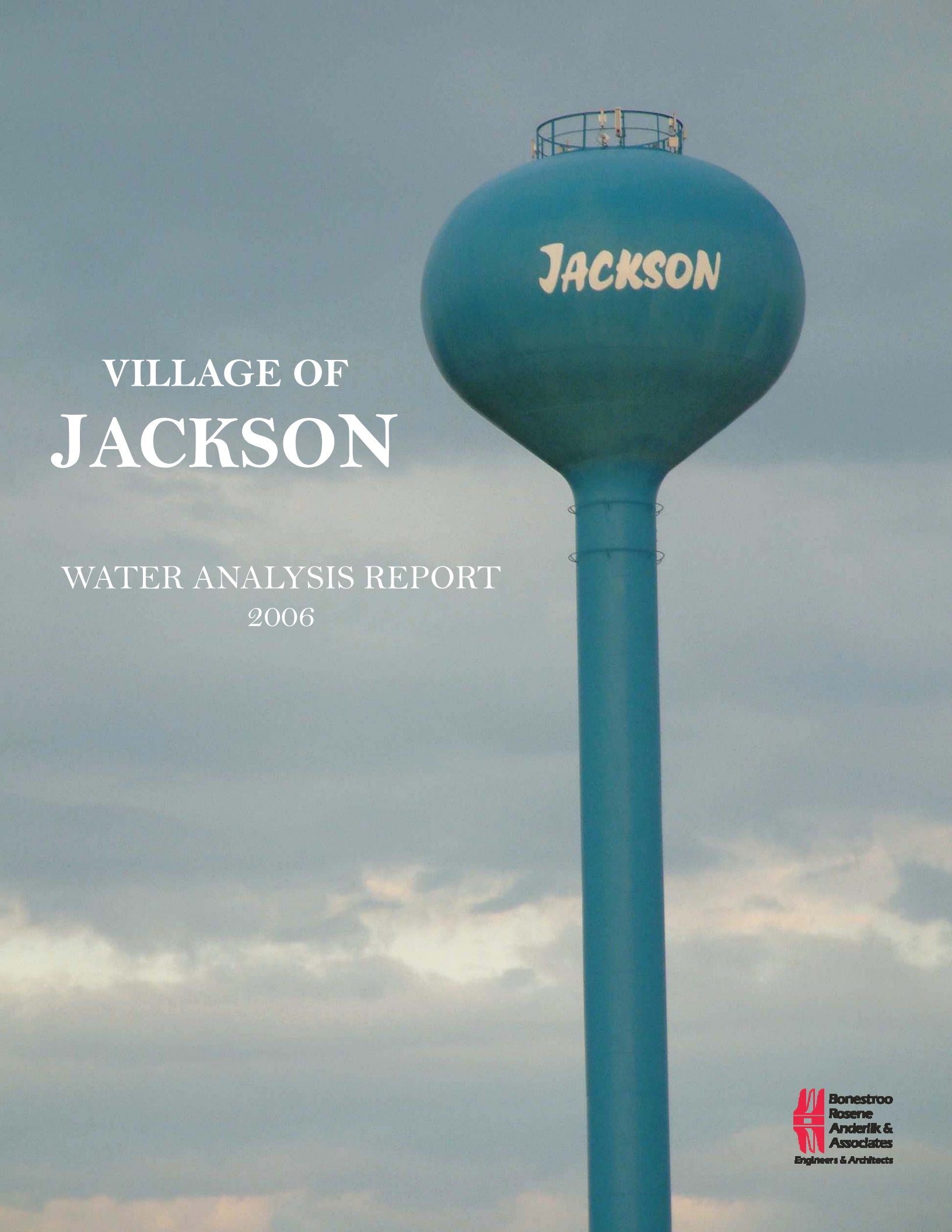
3. Field Testing
    a. We will work with the Village in conducting field flow tests to be used to update the calibration of the model. SCADA data will also be used to help calibrate the model. The model will be calibrated to within industry standards.

4. System Analysis
    a. After model calibration is complete a fire flow analysis will be conducted for the entire distribution system.
    b. Any deficiencies in system static pressure or available fire flow volume will be reported along with recommended improvements.
    c. Analysis will also be conducted for maximum day and peak hour demand conditions to identify and deficiencies in system operation

5. Update Master Plan
    a. Using the updated projected growth pattern and the new service territory, we will update the master plan for the water supply and distribution system for the Village.

FEES

We are offering reasonable professional rates and a strong commitment to deliver COST-EFFECTIVE services to satisfy your requirements for this project. Our proposed fee is $9,850.



VILLAGE OF JACKSON

WATER ANALYSIS REPORT
2006

Bonestroo
Rosene
Anderlik &
Associates
Engineers & Architects

Bonestroo
Rosene
Anderlik &
Associates
Engineers & Architects

12075 North Corporate Parkway, Suite 200 ▪ Mequon, WI 53092
Office: 262-241-4466 • Fax: 262-241-4901
www.bonestroo.com

October 20, 2006

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

RE: Water Analysis Plan
Bonestroo Project 000841-05119

Dear Brian:

Thank you for the opportunity to perform the Water Analysis Plan for the Village of Jackson. We are furnishing a report of the plan for your use.

Our report includes sections on:

- Water Demands
- Analysis of Existing Distribution System
- Proposed Facilities
- Capital Improvement Plan

The report is a result of our hands-on analysis. It also contains constructive ideas from your own staff. The report should be used as a planning tool for management and staff..

We greatly appreciate the time and cooperation of Village staff in helping us complete this report. Please call us anytime if you have comments and input to the report.

Sincerely,
Bonestroo, Rosene, Anderlik & Associates, Inc.

Tom

Thomas Nennig, P.E.

I hereby certify that this plan and specifications for all Divisions were prepared by me or under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Wisconsin.

Thomas

Thomas S. Nennig, P.E.

Date: 10-20-06 Reg. No. E-34953

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CHAPTER 1- INTRODUCTION

1.1 Background

The Village of Jackson is a community of approximately 5,900 people located in Washington County. The Village is located approximately 15 miles North of Milwaukee and is considered one of the fastest growing communities in Washington County. The Jackson Water Utility provides water service to the residences and businesses within the Village limits, the Town of Jackson, Washington County Fair Grounds and the new St. Joseph's Hospital in the Town of Polk.

The Village's water system consists of two pressure districts that are supplied water from five groundwater wells, two elevated water storage tanks, one booster station and a hydro-pneumatic pressure tank system at the County Fair grounds. The distribution systems contains approximately 34 miles of transmission main and distribution watermains, ranging in size from 4-inch to 16-inch.

The customers of the Village's Water Utility include 3 major industrial users, an area hospital, along with smaller industrial and numerous commercial and residential users. Approximately 48% of the amount of water sold in the Village is attributed to residential customers.

The Village of Jackson's location with respect to the greater metro area, and a principal transportation corridor offers significant potential for continued growth and development within the Village's water and sewer service area. Therefore, proper planning is critical to coordinate the proper expansion of the Village's water system facilities for short-term and long-term needs of the Village.

1.2 Purpose & Objectives

As the Village expands to new service areas and the current service area continues to develop, it is necessary to update the water distribution plan. In particular, it is necessary to develop a water system plan for the entire service area for the Village based on their Land Use Plan. Specific Objectives include:

- Determine the potential water demands expected within the defined study area (Figure 1-1) as defined by SEWRPC, and the production and storage capacity required to meet those demands.
- Develop a proposed transmission main system to serve the outlining areas of the Village
- Determine the boundary line for the high and low pressure service districts
- Determine short-term and long-term supply and storage needs in order to allow sufficient lead time for the addition of the facilities to the system.
- Hydraulically analyze the existing and future system to identify system deficiencies and propose solutions to ensure adequate residual pressures.
- Develop preliminary cost estimates for supply, storage, and distribution facilities to form a basis for a satisfactory financing program.
- Provide capacities and locations of proposed new water storage facilities

1.3 Scope

The planning approach used for the study began with an evaluation of the existing distribution facilities and defining the future service area for the Village. The future service area was evaluated over a planning period extending beyond 2025.

Population, community growth, historical and projected water demands served as the basis for evaluating and developing future improvements to the distribution system. The results from the Revenue Sharing Agreement and Cooperative Boundary Plan (2005) completed jointly by the Village and Town of Jackson and South Eastern Wisconsin Regional Planning Commission (SEWRPC) were used in forecasting the future growth of the distribution system. Future water needs were based on the project growth of the system and identified in Chapter 2.

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Study Limits 8-5 x 11.mxd)
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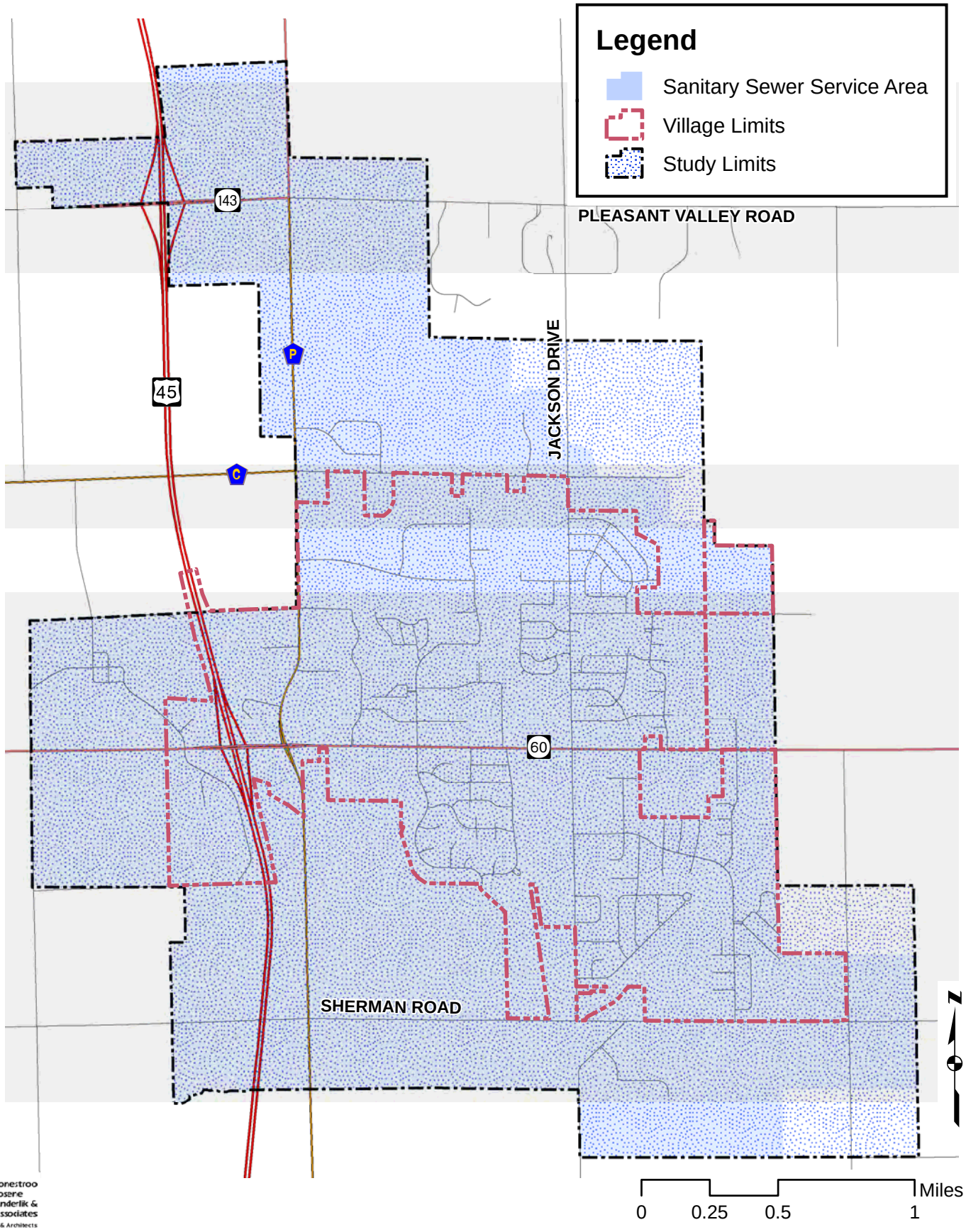
Figure 1-1
Study Limits



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CHAPTER 2 – WATER DEMANDS

2.1 General

Capacity requirements for the three water system components of supply, storage, and distribution are dictated by the demands placed upon them for production and distribution. The design of the water supply and distribution system for the Village was based on estimates of the projected water demands. Phasing of the system improvements was based on estimates of short-term needs.

Water demand (both peak and average) is affected by many factors including population, population distribution, commercial and industrial activity, water quality, water rates, climate, soil conditions, economic level of the community, sewer availability, water pressures and the condition of the water system. The most important factor is land usage, which encompasses residential and non-residential development. The water demand rates used in this plan are shown in Table 2-2.

Projections of 2025 land usage and population for the Village were correlated with past and present water demands to develop estimates for 2025 water demands in the service area. Water use records through 2004 were used as the basis for the new water demand computations contained in this report.

2.2 Relationship to Land Use Plan and Population Forecasts

The Water Supply and Distribution Plan was prepared based on the Proposed Land Use Plan for the Village contained in the 2005 Revenue Sharing Agreement and the household and population forecasts from SEWRPC. The future land use plan is shown on Figure 2-1.

Population projections and water use forecasts were developed for 2010, 2015, 2020, and 2025, by taking the net developable acres of developable land (as shown in Table 2-1) and multiplying by the appropriate factors in Table 2-2. The facilities described in this plan are designed to serve an ultimate population of 10,400. Actual growth rates will affect only the

timing of construction and not the actual design of the system. Table 2-3 summarizes the estimated total and served population projections used for this study.

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Future Land Use 8-5 x 11.mxd)
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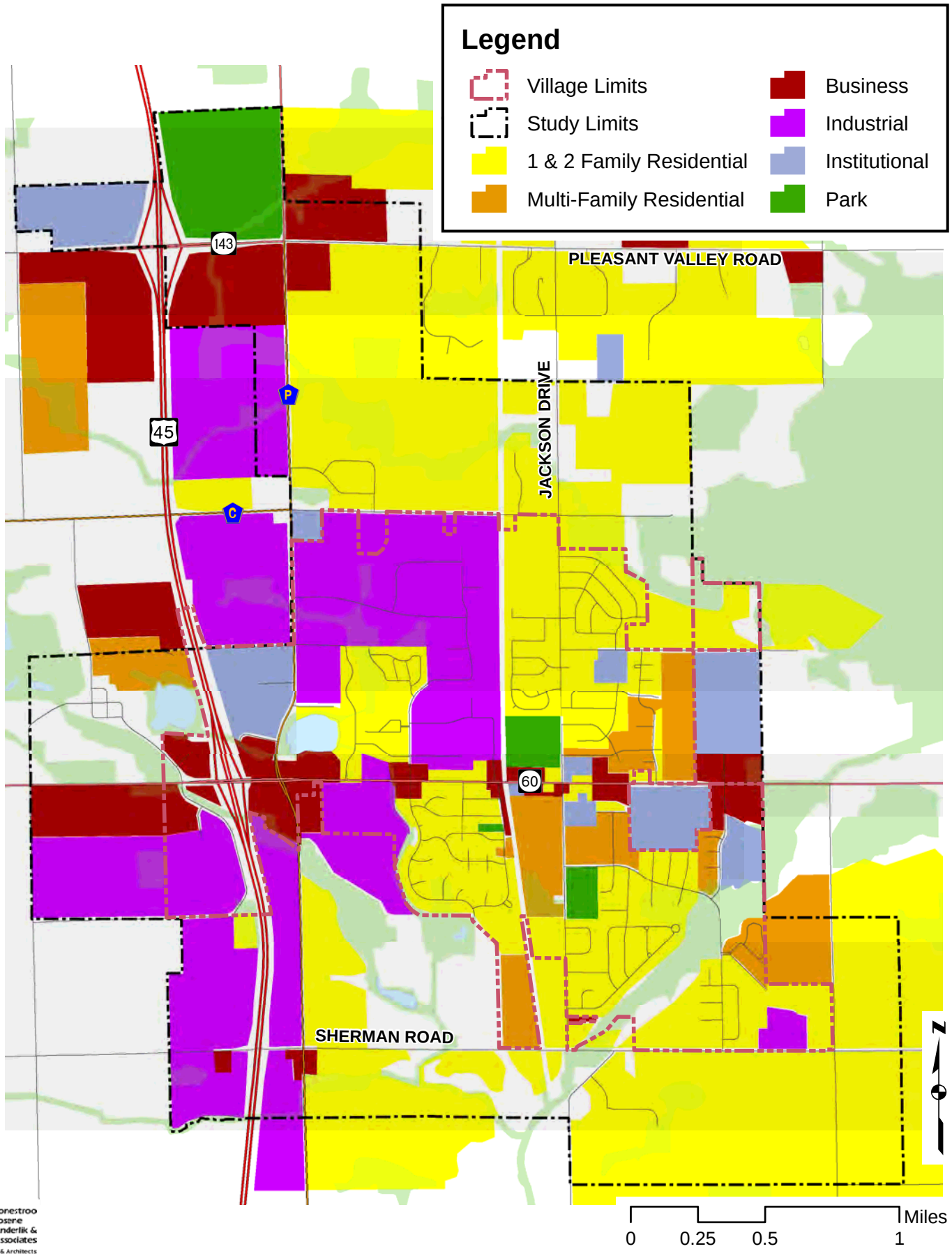
Figure 2-1
Generalized Proposed Land Use



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The estimated total population for the study area was developed from demographic information provided by SEWRPC. Demographic information is provided in Appendix B.

Table 2-1 - Land Use Summary

Land Use Type	Acres	Percentage
Developed - Not served (existing residential served by private wells)	176	8%
Developable Untilled Land	76	3%
Residential (Includes Rural, Single Family, Suburban)	534	23%
Total Residential	786	34%
Commercial	38	2%
Industrial	163	7%
Government / Institutional	26	1%
Park/Recreation/Golf	174	8%
Undevelopable	1,131	49%

Table 2-2 - Future Water Demand Rates

Land Use Type	Persons/ Dwelling	Gallons/ Capita/ Day	Units/ Acre	Demand Rate (GPM/Acre)		
				Average Day	Maximum Day	Peak Hour
Residential	3	90	3	0.5625	1.125	2.25
Commercial	-	1500 gpd per acre	-	1.04	1.56	3.12
Government/ Institutional	-	1500 gpd per acre	-	1.04	1.56	3.12
Park/ Rec/ Golf	-	500 gpd per acre	-	0.35	1.04	2.08

Table 2-3 - Total and Served Population Projections

Year	Study Area Estimated Total Population - SEWRPC	Estimated Served Population
2005	7,075	5,884
2010	7,866	8,920
2015	8,657	9,872
2020	9,448	10,000
2025	10,239	10,400

2.3 Variations in Water Usage

The rate of water consumption will vary over a wide range during different periods of the year and during different hours of the day. Several characteristic demand periods are recognized as being critical factors in the design and operation of a water system. The demand rates are expressed in million gallons per day (MGD), which in the case of a daily demand indicates the total amount of water pumped in a 24 hour period. Hourly rates are also expressed in million gallons per day. In the case of an hourly rate, the rate in MGD is determined by assuming that the pumpage would continue at the indicated rate for 24 hours.

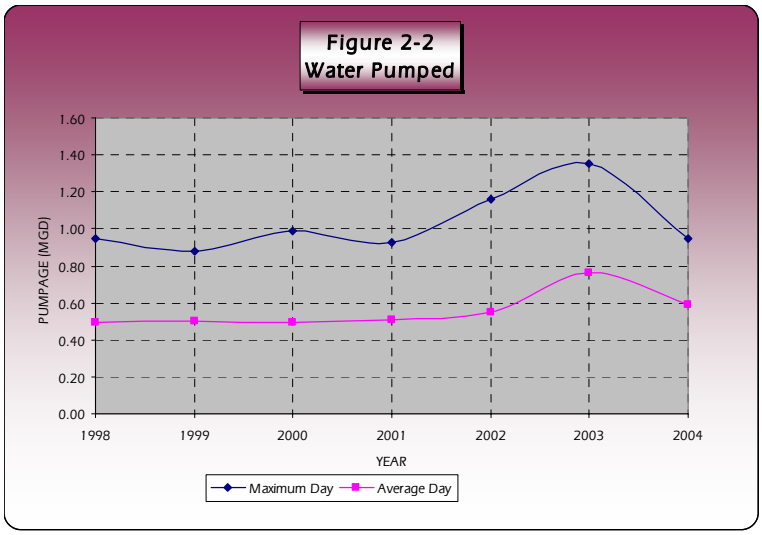
The **average day demand** is equal to the total annual pumpage divided by the number of days in the year. The principal significance of the average day demand is to aid in estimating maximum day and maximum hour demands. The average day demand is also used in estimating future revenues and operating costs such as power and chemical requirements, since these items are determined primarily by the total annual water requirements rather than by daily or hourly rates of usage. Pumping records, which were used in determining average day demands, are presented in Appendix C.

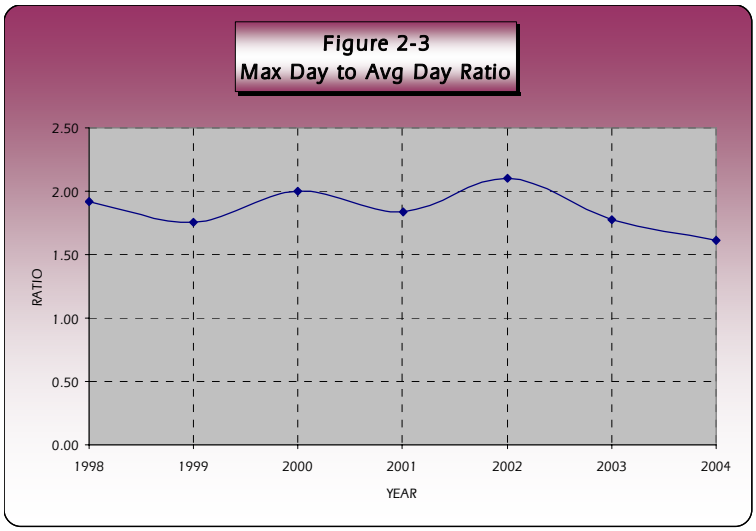
The **maximum day demand** is the critical factor in the design of certain elements of the waterworks system. The principal items affected by the maximum day demand are:

- Groundwater water supply facilities, and
- Water storage requirements.

The groundwater water supply facilities must be adequate to supply water greater than the maximum day demand rate with the largest groundwater supply well out of service. Sufficient water storage should be provided to meet hourly demands in excess of the water supply capacity. The installed capacities should also include reserves for growth, industrial development and fire protection.

The maximum demands upon the water system are encountered during short periods of time, usually on days of maximum consumption. These short period demands are referred to as hourly demands, and they seldom extend over a period of more than three or four hours, generally during hot summer evenings when the sprinkling load is the highest. The Village's maximum day occurred in 2003 at 1.35 MGD. However, the Village had experienced an unusually high amount of water pumped starting at the end of 2002 to the beginning of 2004 due to an undetected leak in the distribution system. The leak was repaired in February of 2004 and the pumpage significantly declined. Therefore, the maximum day demand used for analysis in this report occurred in 2002, at 1.16 MGD. Total water pumped for the past seven years is shown in Figure 2-2. The **demand variations** for the maximum day, maximum month, and minimum month expressed as a percent of the average day demands are shown in Appendix C for the past seven years. The maximum day to average day ratio has been between 1.6 and 2.1 with an average of 1.86 as shown in Figure 2-3.





The **maximum hour** consumption rates impose critical demands on the distribution system, and major elements of the waterworks facilities must be designed to

meet these demands and provide satisfactory service at all times.

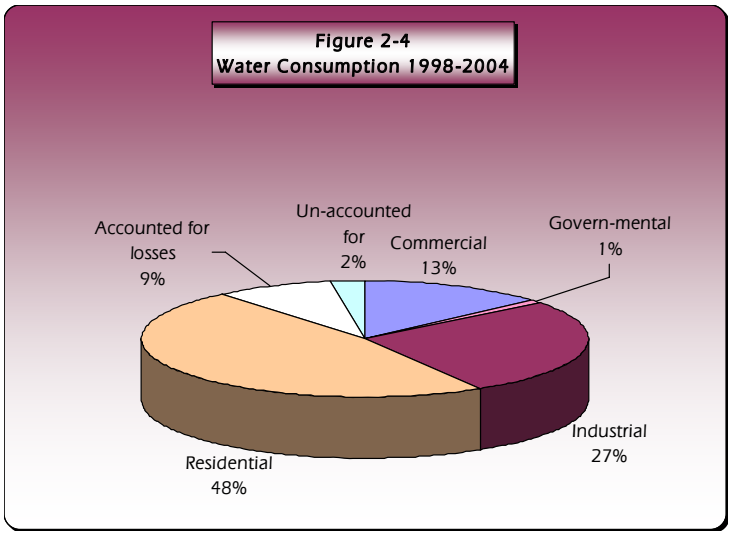
Maximum hour demands in Jackson are supplied through a combination of water from the well pumps, and water drawn from storage facilities in the distribution system. Although the rate of consumption is high during periods of maximum hourly demands, the duration of the extreme rate is relatively short. Therefore, a moderate quantity of water withdrawn from storage facilities strategically located in the system assures satisfactory service, minimizes the total maximum hour pumping and transmission main capacity required, and permits more uniform and economical operation of the pumping facilities. Storage in the system is also an important factor in insuring reliability of water service during emergencies resulting from power failure, temporary outages of water supply facilities, and sudden and unusual demands brought about by fires or line breaks.

In the Village of Jackson, where the distances from the water supply sources to the storage facilities are considerable, another critical situation must be evaluated in designing the system. Storage tanks are refilled during the night and early morning hours when demand on the system is low. A strong network of piping is needed between the supply sources and the reservoirs to insure that a sufficient amount of water can reach the storage tanks during the refilling period to provide the required supply for the following day.

The connected residential population, water usage, residential water usage, and total population served by the Village of Jackson was used to determine the **per capita water use** for the past seven years as shown in Appendix C. The total per capita water use has ranged from 98 gallons per capita per day (gpcd) to 138 gpcd. The per capita water use on the maximum day varied from 166 gpcd to 245 gpcd during the same period.

2.4 Water Demand by Customer Category

Analysis of past water usage by customer category provides additional insight into how water is being used in the Village, and where potential for conserving water may



be found. Figure 2-4 illustrates the Village water consumption is 48% Residential, 27% Industrial, 13% Commercial, 9% accounted for loses, 2% unaccounted for water, and 1% for governmental.

2.5 Projected Water Usage

Estimated future water usage is based on population, land use, and water use trends. Peak demands vary with land use. High peak usage rates are experienced in low density areas during hot, dry periods due to extensive lawn sprinkling, while usage in high density areas depends on human consumption to a greater extent. Average daily usage for commercial and industrial areas is very high, but is much more stable than residential usage. Therefore, although commercial and industrial areas have high average usage, the peak usage (maximum day and maximum hour demands) is comparable to those in residential areas.

Each of the land use categories was examined with consideration given to population density, area of lawns to be sprinkled and other activities likely to occur compatible with the projected land usage. Demand rates were then developed for each land use type.
Total water usage at designated discrete points of demand on the water system was determined for the purpose of hydraulic analysis and system design. This was accomplished by dividing the Village into subareas whose total demand was assumed to be located at a designated point in each subarea. The subareas were then further subdivided into the various land use categories, based on the Land Use Plan. By applying the unit demand identified in Chapter 2, the total demand for each subarea was developed.

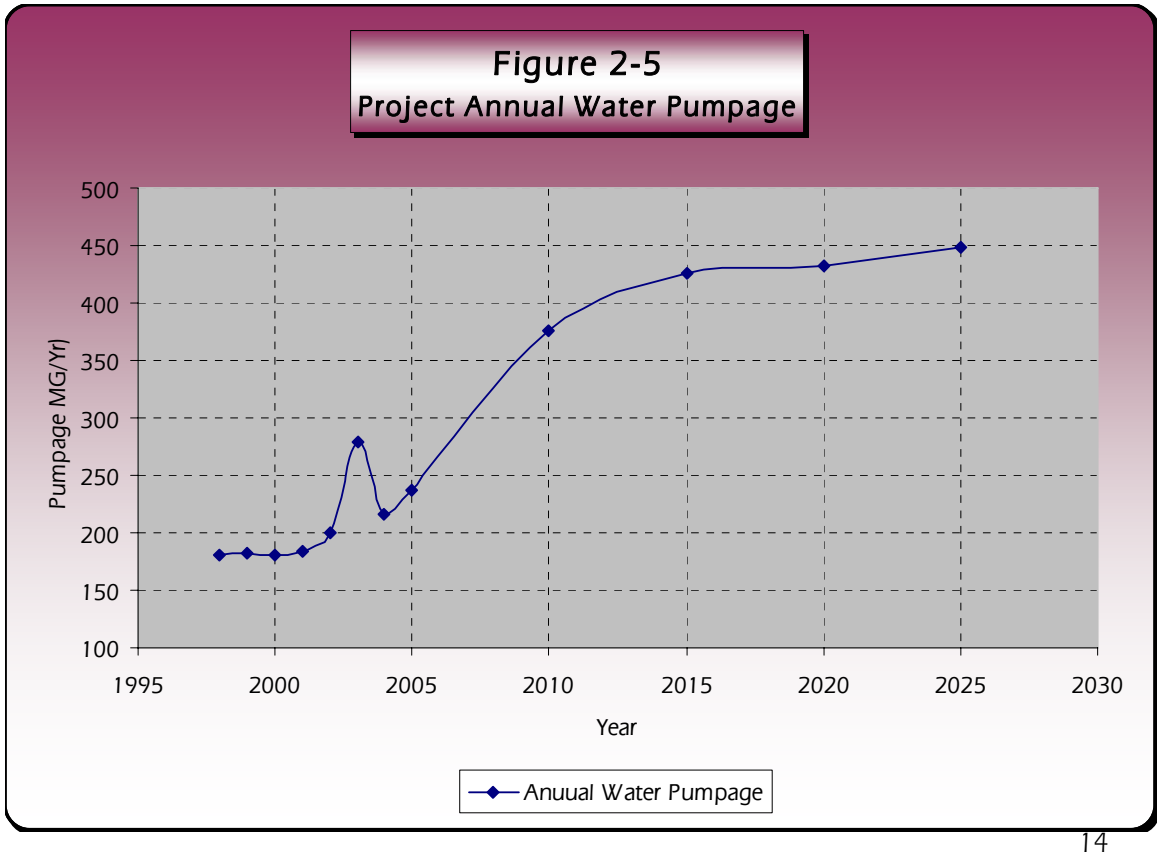
Projected average and maximum day water demands are presented in Table 2-4. The maximum day water demands are used for the sizing of supply facilities. A record of actual maximum and average day demands should be charted to aid in the sizing and phasing of future water supply facilities. The maximum day demand at full development of the study area is estimated to be 2.29 MGD as shown in Figure 2-5.

The estimated water demands used to design the plan are slightly higher to provide flexibility in meeting the Village's needs in the future. The plan has the following built-in assumptions.

- **Commercial/Industrial Water Use:** The water use for any property can vary widely depending on their specific process, employment base, ability to recycle water, etc. Therefore, this report assumes an average water use of 1,500 gallons per day per acre for Industrial and Commercial land use.
- **Service to HWY 45 Corridor:** The plan assumes that ultimately Jackson will provide water service to the Area West of the HWY 45 corridor.

Table 2-4 - Projected Avg. Day & Max. Day Demands

Year	Served Population (Estimated)	Max. Day Per Capita Demand (gpcd)	Average Day Demand (MGD)	Maximum Day Demand (MGD)
2000	4,998	197	0.49	0.99
2005	5,884	205	0.65	1.21
2010	8,920	215	1.03	1.92
2015	9,872	220	1.17	2.17
2020	10,000	220	1.18	2.20
2025	10,400	220	1.23	2.29



2.6 Fire Demand

Water usage for fire demand is also a vital consideration in the design of a water supply and distribution system. Fire demand varies greatly from normal usage in that an extremely large quantity of water is required from a single demand point in a very short time. The quantity of water used for fires is almost negligible when compared to other usage categories, but because of the extreme rate of usage during an emergency situation, fire demands frequently govern design.

The Insurance Services Office (ISO) recommends that a system the size of Jackson's be capable of delivering a fire demand of 1000 GPM to 3500 GPM for varying durations depending on the rate of demand. A fire demand of 3500 GPM sustained for a period of three hours was incorporated into the design of Jackson's water system. Table 2-5 shows the fire flows used in the design of the Jackson water system. The ability of the Village's water system to meet fire demand is one of the three major components which are used to determine a rating for insurance. The other two components are building/fire codes and characteristics of the fire department. Each is used almost equally in determining an overall Village rating.

Table 2-5 Recommended Fire Flows

Land Use	Required Fire Flow (gpm)	Duration (hrs)
Commercial / Industrial	3500	3
Institutional / Public	3500	3
Residential	1000	2

2.7 Phasing of the System

For the purpose of phasing additions to the system, water demands for each year are determined by multiplying the demand rates by the appropriate acres of each land type expected to develop by that year. Based on these assumptions, the average day demand in the year 2025 is expected to be about 1.23 MGD with a corresponding maximum day demand of about 2.29 MGD.

CHAPTER 3 EXISTING FACILITIES

3.1 Water Supply

General

The water system operated and maintained by the Village of Jackson includes:

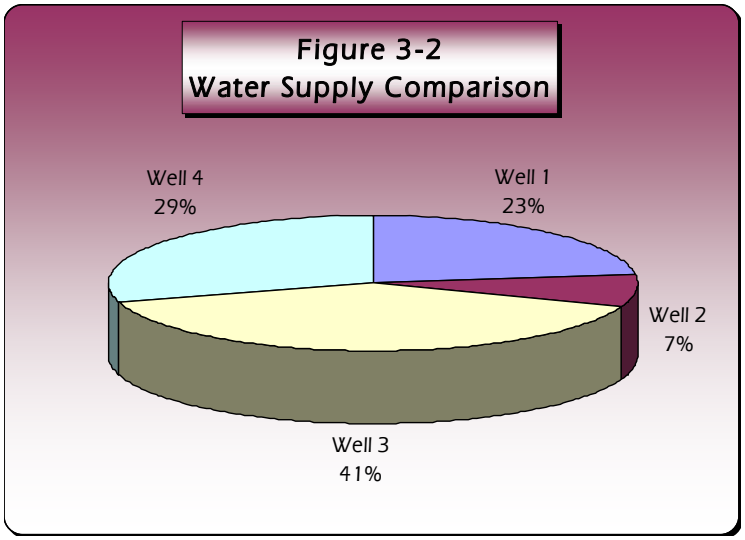
- 4 groundwater wells
- 2 elevated storage towers
- 1 high service booster station
- Water system controls located at Village Hall

A general location and layout of the water distribution system is illustrated in Figure 3-1. This chapter will discuss the operation characteristics of the existing distribution system.

Existing Wells

The Village of Jackson presently obtains its water supply from four municipal wells. The supply wells draw water from two primary aquifers, the shallow dolomite and sand and gravel aquifers. Both aquifers are highly susceptible to groundwater contamination due to their relatively shallow depth. Strict adherence to the wellhead protection plan established for each well is critical to the continued operation of each well.

All four of the existing wells are located in the low pressure district and contain a gas chlorine feed system for water disinfection purposes. The well capacities range from approximately 75 gpm to 1,100 gpm. The constructed depths of the wells range from 260 to 457 feet. Specific capacities for each well range from approximately 2.8 to 72 gpm per foot of drawdown. Figure 3-2 summarizes the production of water supplied from each well between 1998- 2004 for the Village of Jackson. Detailed well data is found in Appendix D. There is a fifth municipal well that is currently under construction that will provide the



Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Existing Distribution System 22 x 34.mxd)
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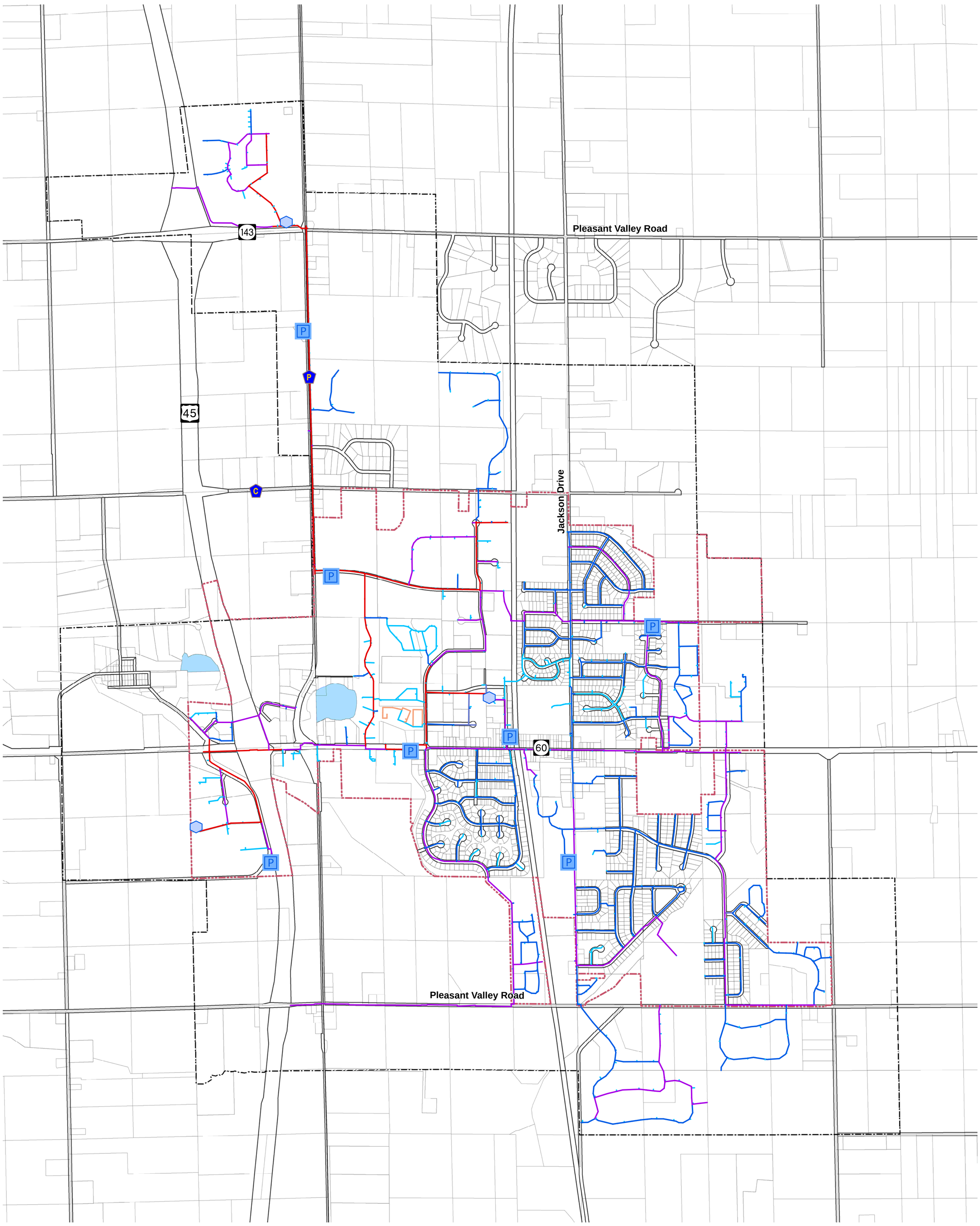
Figure 3-1
Existing Distribution System



Legend

- Pumps
- Tanks

Pipes

- 4" Diameter Pipe
- 6" Diameter Pipe
- 8" Diameter Pipe
- 10" Diameter Pipe
- 12" Diameter Pipe
- 16" Diameter Pipe
- Village Limits
- Study Limits

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0 500 1,000 2,000 3,000 Feet

N

Village with an additional 1,000 gpm of capacity. Once the new well is operational, the Village is planning on abandoning well 2 and converting the old Cranberry Creek well to a sixth municipal well.

Center Street (Well 1)

Well 1 is located on North Center Street, north of Main Street. The well was constructed in 1949 to a total depth of 260 feet. The well contains a 14-inch diameter outer casing to a depth of 20 feet and a 10-inch diameter inner casing to a depth of 117 feet. The well pump was recently replaced in 2005. The new well pump is rated at 370 gpm. The current static water level of the well is approximately 70 feet. In 2004, Well 1 contributed approximately 25% of the water delivered to the Village.

Main Street (Well 2)

Well 2 is located south of Main Street and west of Glen Brooke Road. The well was constructed in 1968 and backfilled with pea gravel up to a depth of 287 feet. The well was later backfilled with neat cement grout in 1990 from 287 feet to 272 feet. The well contains a multiple casing combination consisting of 24, 16, and 10-inch diameter casings. The 10-inch inner casing extends to a depth of 171feet. The designed capacity of the well was 300 gpm however, recently the Village has experienced large amounts of sand being pumped when the well was operated. Therefore, the pumping capacity of Well 2 has been reduced to approximately 68 gpm to avoid pumping sand into the distribution system. The well operates under an artesian head. Specific capacity of the well is 2.8 gpm per foot of drawdown. In 2004, Well 2 has contributed only 4% of the water delivered to the Village.

Highland Drive (Well 3)

Well 3 is located on Ridgeway Dive and Highland Road. The well was constructed in 1979 to a total depth of 304 feet. The well contains a 20-inch diameter outer casing to a depth of 118 feet and a 14-inch diameter inner casing to a depth of 155 feet. The current static water level of the well is 10 feet. The capacity of the well pump is 900 gpm. The specific capacity of the well is 72 gpm per foot of drawdown. In 2004, Well 3 has contributed approximately 30% of the water delivered to the Village.

Cedar Parkway (Well 4)

Well 4 is located on Cedar Parkway in the Village's industrial park. The well was constructed in 1997 to a total depth of 457 feet. The well contains a 20-inch diameter outer casing to a depth

of 400 feet and a 14-inch diameter inner casing to a depth of 432 feet. The well is in the sand and gravel aquifer and operates under an artesian head. The capacity of the well pump is 1,200 gpm. The specific capacity of the well is 26 gpm per foot of drawdown. Well 4 has steadily improved since starting operation, and is currently supplying approximately 40% of the water delivered to the Village.

Northwest Passage (Well 5 – under construction)

Well 5 is located on Northwest Passage in the Village Business Park. The well was constructed in 2005 to a total depth of 215 feet. The well contains an 18-inch diameter casing to a depth of 175 feet, followed by 40 feet of screen that was developed with a natural gravel pack. The well is located in the sand and gravel aquifer and operates under an artesian head. The specific capacity of the well is 23 gpm per foot of drawdown. The well was test pumped over 1,200 gpm with approximately 60 feet of drawdown. The current design of the well pump is for 1,000 gpm.

The total combined capacity of all five wells is 3,538 gpm, or 5.0 MGD. The ***firm capacity*** (capacity available with the largest well out of service) is 2,338 gpm or 3.4 MGD.

Well Water Quality

The U.S. Environmental Protection Agency (EPA) has established national drinking water standards. These standards contain federally enforceable maximum contaminant level (MCL) standards for substances known to be hazardous to public health.

Water quality parameters are defined and regulated by two sets of standards - Primary and Secondary. Primary Standards are set for those substances known to be a hazard to public health. Secondary Standards are set for those substances that, although not hazardous to public health, frequently cause drinking water to have objectionable aesthetic qualities, such as taste and odor.

The water quality at the wells and in the distribution system is tested regularly to ensure that water quality is within the Primary and Secondary standards.

3.2 Storage

Maximum hour demands are supplied through a combination of water from the supply facilities and water drawn from storage reservoirs in the water distribution system. Although the rate of consumption is high during periods of maximum hourly demand, the duration of the extreme rate is relatively short. Therefore, a moderate quantity of water withdrawn from storage reservoirs strategically located in the system assures satisfactory service, minimizes the total maximum hour pumping and transmission main capacity required, and permits more uniform and economical operation of the system and pumping facilities.

Storage in the system is also an important factor in insuring reliability of service during emergencies resulting from loss of power, temporary outages of water supply facilities, and from sudden and unusual demands brought about by fire. The storage tends to stabilize the peaks in water demand and allows the system to produce water at a lower, more uniform rate.

The Village of Jackson currently has two elevated storage facilities located in the low pressure district, that have a combined capacity of 0.7 MG. Usable storage is defined as the storage available while still maintaining a sufficient residual pressure (within 40 ft. of the high water level). All of Jackson's storage can be considered usable. A summary of existing facilities is presented in Table 3-1. Both existing and proposed water storage locations are shown on the Water System map at the back of this report.

Table 3-1. Existing Storage Facilities

Storage Location	Type of Storage	HWL	Service Area	Usable Storage (MG)
West End	Elevated	1,065	Lower	0.5
Central	Elevated	1,065	Lower	0.2
Total				0.7

3.3 Distribution System

The existing water distribution system was primary constructed since the 1970's. The system consists of over 34 miles of watermain, varying in size from 4 to 16 inches in diameter as

shown on Figure 3-1 at the back of the report. The system also includes 1,150 valves, 515 fire hydrants, and 2,520 water meters. The existing system operates under two pressure districts, as shown on the map at the back of the report and discussed in the following paragraphs.

Lower Pressure District

The majority of the Village is in the low pressure district. The pressures in the low pressure district range from 40 to 100 psi and are controlled by the overflow elevation in both of the Village's elevated storage towers. The topographical service elevation for the low pressure district ranges between 840 and 965 feet.

High Pressure District

The high pressure district was developed to supply water to the County Grounds, and is now servicing water to the recently completed St. Joseph's Community Hospital in the Town of Polk. A booster station was constructed along CTH P in order to boost pressure to the high pressure district. A 2,000 hydro-pneumatic tank was installed on the corner of CTH P and the County Fair Grounds in order to maintain pressure in the high district when the booster pumps are not in operation. As the high pressure district continues to grow, the hydro-pneumatic tank will have to be replaced with a water storage facility. The high pressure booster station has a combination of booster pumps listed in Table 3-2.

Table 3-2. Booster Station Pumps

Pump Number	Horsepower (hp)	Total Dynamic Head (ft)	Capacity (gpm)
1	25	96	400
2	25	100	600
3	50	74	2100
4	50	74	2100

The firm capacity of the station is 3,100 gpm. The existing hydraulic grade line of the booster station is from 1,095 to 1,156, therefore the service range is from elevation 990 to 1,054. The booster station is equipped with a natural gas emergency stand-by generator in case of power failure. Currently, there is only one transmission main delivering water to the booster station. If this transmission main were to be taken out of service for maintenance or repair, there would not be water service to the high pressure district.

Water System Controls

The distribution system controls are located in the water superintendent's office inside Village Hall. The existing controls consist of a conventional telemetry control panel, allowing operators the ability to operate and control pumps, and monitor and trend elevated tank levels. Well pumps are automatically controlled by a pump selection matrix based on time of day and the water level in the elevated storage tanks. The elevated water tower in the business park serves as the primary control tower for the well pumps.

Due to the increasing electrical costs the Village started imposing a time of day restriction on Well #4 to try and decrease the amount of electrical use during peak demand times. This resulted in the Village pumping more water from the other wells including Well #2. Since Well #2 produces less than 100 gpm, the cost to produce water from Well #2 is approximately double the cost to produce water from Well #4 during peak demand times. The combination of not pumping a large volume of water from Well #4 and the minimal amount of water pumped from Well #2 has increased the cost to produce water for the Village. A summary of the electrical and gas costs to operate all of the wells can be found in Appendix D.

Operation and control of the high service booster pumps is controlled by the 2,000 gallon hydro-pneumatic tank on the County Fair Grounds. Additional high service pumps are operated based on water demand and decreasing water pressure in the high service area.

3.4 Hydraulic Analysis

Jackson's entire water supply and distribution system is modeled in detail using a computer model. The results of this model are discussed in more detail in the next section. The first step in the process is to create a computer model of the existing supply and distribution system. The purpose of this model is to find any problems with the existing system and to serve as a foundation for a model of the entire system.

Jackson's system was flow tested in various locations in the spring of 2006. The results of these flow tests are presented in Appendix A. The computer model is then run with the same conditions in an attempt to match the results. After several trials in which model characteristics are adjusted, it is possible to match the computed model results with the field test results. The

test results matched well in all the tests, indicating that the computer model accurately portrays Jackson's system.

3.5 Adequacy of Existing Facilities

The existing water supply and distribution system for the Village of Jackson meets the various current water demands placed on it. Phased improvements in the supply, storage, and distribution facilities have proven to be cost-effective and timely. The existing wells have met current supply needs.

Generally, the existing storage facilities provide satisfactory static and residual pressures to most areas. The existing distribution system consists generally of properly sized mains that are capable of conveying water and fire flows to the needed areas. Figure 3-3 shows the existing available fire flow in the Village. Fire flow analysis was conducted during maximum day demand, with the water level in the towers approximately 3 feet below overflow and no well pumps in operation. Modifications proposed to strengthen and expand the existing system are discussed in the following section. The following items were identified during the analysis as problem areas.

- **High Pressures.** Some areas in the lower pressure district that have high pressures (greater than 90 psi). Again, these are primarily the result of low ground elevations. These areas are shown on the Future System Static Pressure Map. If there are any homes at an elevation lower than 845, the Village should consider installing individual pressure reducing valves at the meter to help reduce the system pressure in the interior plumbing.
- **Dead-ends.** Currently there are three areas of the distribution system that operate as a long dead-end. The Twin Creeks and Sherman Park subdivisions located in the Southeastern area of the Village are not looped. To increase the water quality and reliability of the system the subdivisions should be connected through the proposed Palorama Farms development. Additionally, the existing 12-inch transmission main that is stubbed on the south side of the Sherman Creek should be connected through the proposed Dalman Village phase 2 development to the Twin Creeks subdivision. This will provide two 12-inch transmission mains a looped system to the southwest area of the Village. The high pressure district booster station is currently supplied water from a

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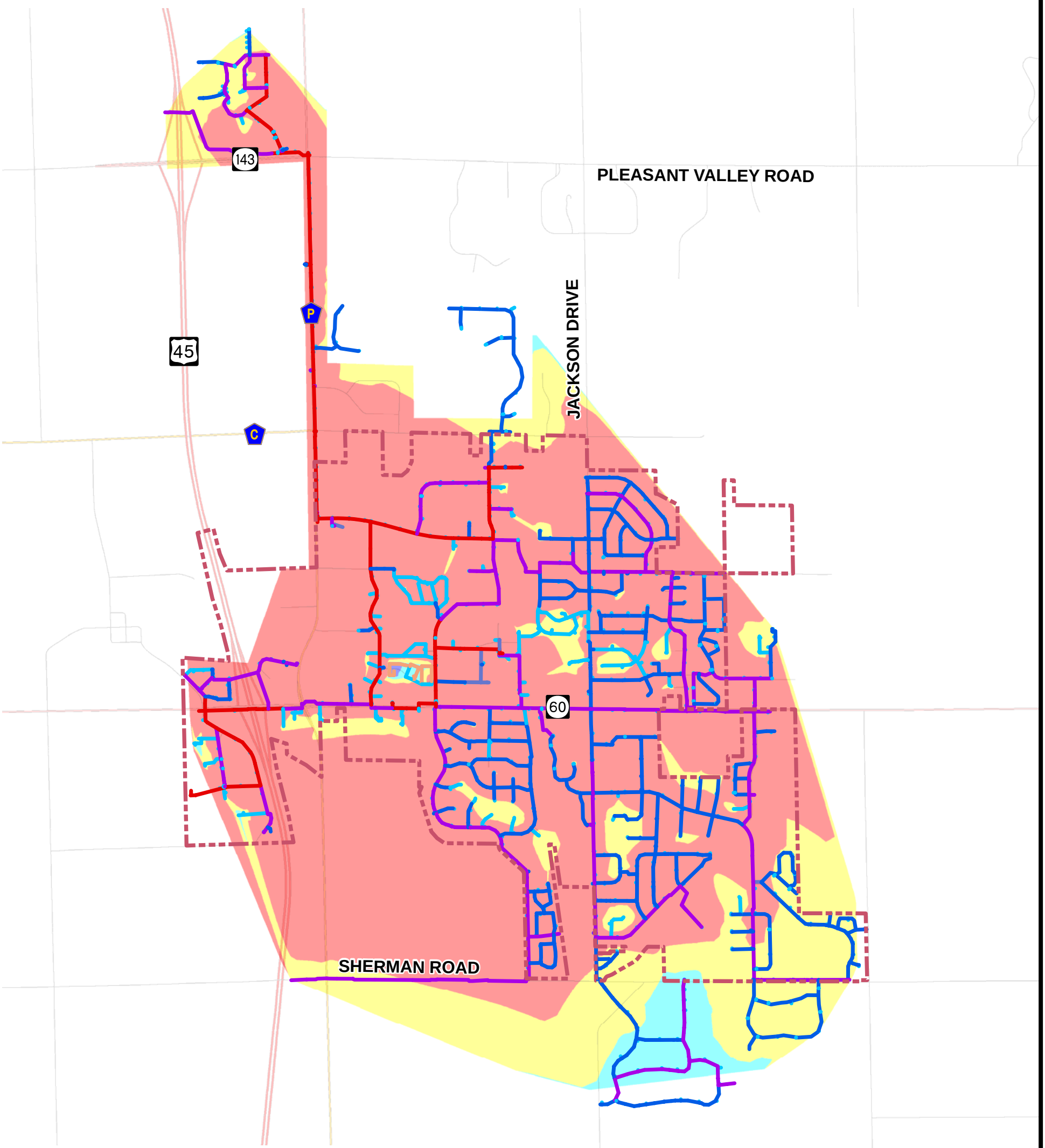
Figure 3-3
Available Fire Flow



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long 16-inch transmission main in CTH P. A second feed to the booster station should be installed to improve the reliability of the booster station to supply water to St. Joseph's Hospital.

The following improvements are recommended based on the results of the hydraulic modeling of the existing system and discussions with Village Staff.

- **Watermain replacement program.** The watermains in the Green Valley mobile home park are old and undersized. We recommend the Village replace the watermains in the park with a new 6-inch diameter main. The Village is also preparing to replace the entire watermain system in the Parkside subdivision in 2006 and 2007. This relay project will help increase the available fire flow in this area of the Village.

- **Railroad crossing.** As part of the Parkside relay project, there is an existing 6-inch railroad crossing connecting Parkview Court with North Cedar Street. This railroad crossing can be eliminated since it will serve a very limited purpose under normal and emergency conditions. Supporting technical memorandum about abandoning this crossing can be found in Appendix A.

- **Well Replacement.** The capacity of well 2 has continued to decrease over the years due to the amount of sand that is pumped when trying to operate at a higher rate. This well will eventually need to be rehabilitated or replaced. The Village should pursue converting the high capacity well in the Cranberry Creek development as a new municipal well.

- **Growth.** As growth occurs in each of the water pressure districts, the water system needs to be expanded to handle that growth. The Future Water System Map at the back of the report shows the water system improvements required to meet the growth of the Village. The Capital Improvement Plan outlined later in this report shows the expected phasing of improvements.

CHAPTER 4 PROPOSED FACILITIES

4.1 Supply-Storage Considerations

Supply capacity, storage volume, and distribution system capacity are interrelated. Tanks act as additional supply sources during peak periods when the primary supply source is incapable of meeting the demand. Thus, the storage tends to stabilize the peaks in water demand and allows the system to produce water at a lower, more uniform rate. The distribution system must be capable of carrying the flows from both the supply sources and the tanks without allowing pressures to drop below approximately 40 psi or rise above 100 psi. Static pressure should be within a range of 50 to 90, if possible. During fires or other emergencies, a residual pressure of 20 psi must be maintained. The system must also be capable of conveying water from the supply source to the tanks for storage without allowing the development of high pumping heads and therefore high pressures in the system during low usage periods.

There are an infinite number of combinations of supply and storage that can be used to meet peak water demands. An economical system can be obtained through an analysis of supply and storage costs.

For the vast majority of communities, the ideal combination of supply and storage is found when the supply equals 100% of the maximum day demand. This is consistent with the recommendations in both the by Great Lakes Upper Mississippi River Board (Ten States Standards), and American Water Works Manual of Practice M32 - Distribution Network Analysis for Water Utilities. The Village of Jackson's system capacity is established at 2.29 MGD which is 100% of the maximum day demand for the projected population of 10,400 persons.

4.2 Hydraulic Analysis

The Jackson water system was analyzed in detail using a hydraulic computer model, Infowater. The model describes the entire system, including wells, pumps, tanks, booster station, and distribution mains. The model was used to analyze the system for several static cases and through a time simulation during the design maximum demand day. The model incorporates the Hazen-Williams energy loss formula and the Hardy Cross procedure. The Hardy Cross procedure balances both flows and energy losses throughout the entire system.

The time simulation analysis examines the system on an hourly basis over the entire maximum demand day, including peak demand periods, tank-filling conditions, and critical pressures. The analysis uses the maximum day demand curve based on the Village's SCADA system output.. A peak hourly demand of two times the maximum day demand was used in the model.

Input for the computer model includes pipe sizes and lengths, point supplies and demands, storage tank characteristics, pump performance curves, and ground elevations all entered in a GIS drawing. The model then computes data for various times of the day based on the demand curve. These data include pipe flows and velocities, energy losses, pressures at each demand point, pumping rates, and storage tank levels.

Analysis of this data facilitates the design of an economical and adequate water system. Results of this analysis and recommendations for improvements are presented later in the report.

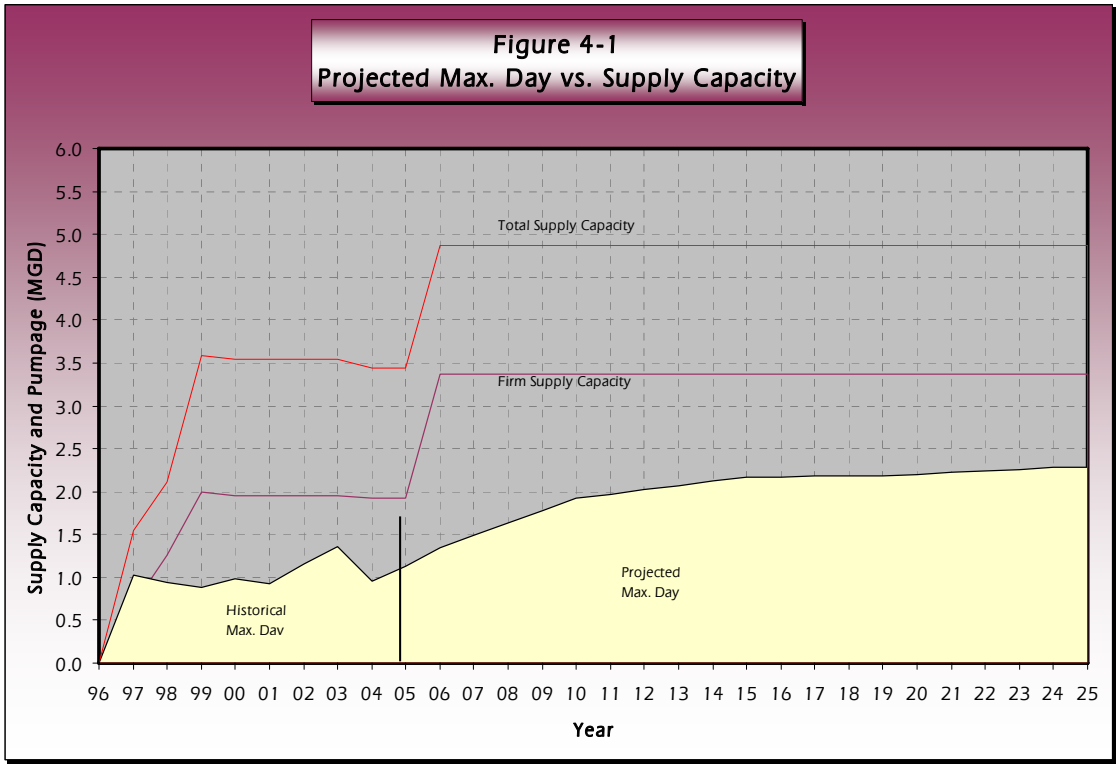
4.3 Water Supply

Wells Required

The amount of reliable or firm water supply required for any municipal water system should be able to meet the maximum day pumpage with the largest well out of service, and there is adequate storage in the distribution system. If both criteria

are met, the water supply will be able to replenish the water in the storage facilities during off-peak hours. While the water used to meet peak hour demand will be supplied by the available storage volume in the storage facilities. Providing a production capacity equal to the maximum day demand will result in improved system reliability by enhancing performance during the tank-filling periods, and particularly in the event of an emergency such as a fire.

The Village's current firm water supply capacity is 1.95 MGD but is anticipated to increase with the addition of Well #5 to 3.39 MGD. A total production capacity of 2.29 MGD (1,590 gpm) is required to meet the demand conditions in the Village for the study limits. This represents 100% of the system's maximum day demand for the study limits. Figure 4-1 compares the historical and projected water supply capacities with the historical and projected maximum day water supply needs. As illustrated in Figure 4-1 he Village will have an adequate supply of water to meet the existing and projected maximum day demand needs.



4.4 Storage

Water storage facilities serve a variety of needs for any distribution system including:

- Establish and maintain water system pressure
- Provide water for fire protection
- Meet the fluctuations water demands in the system
- Provide operational flexibility for water supply facilities
- Improve water supply reliability

Figure 4-2 illustrates the general characterizes for an elevated water storage facility. The operating range is the range that water level will fluctuate between in daily operation to meet system demands. Below the operating range is the volume for fire flow and emergency conditions. The additional storage is to help maintain minimum pressure in the distribution system. Storage facilities should be designed to meet the maximum day demands of the customers while also providing an adequate amount of water for fire protection.

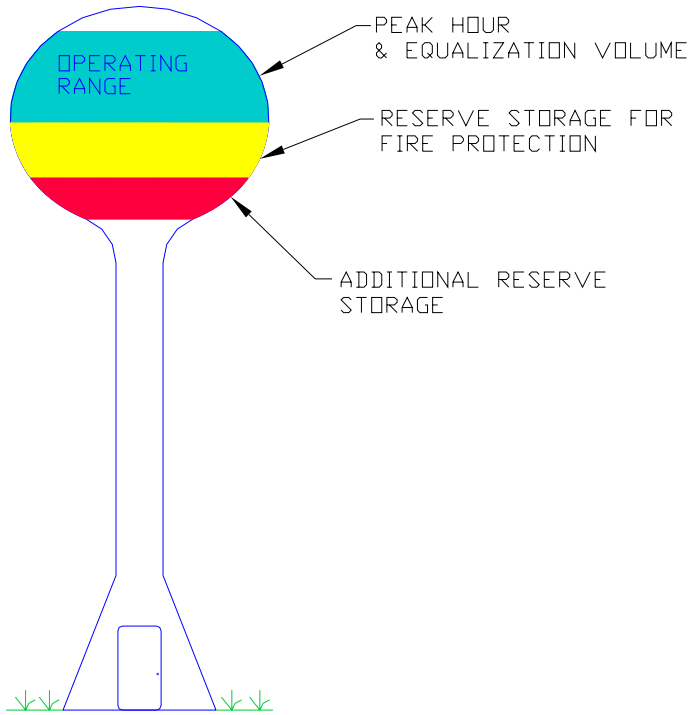


Figure 4-2 - Tank Storage Volumes

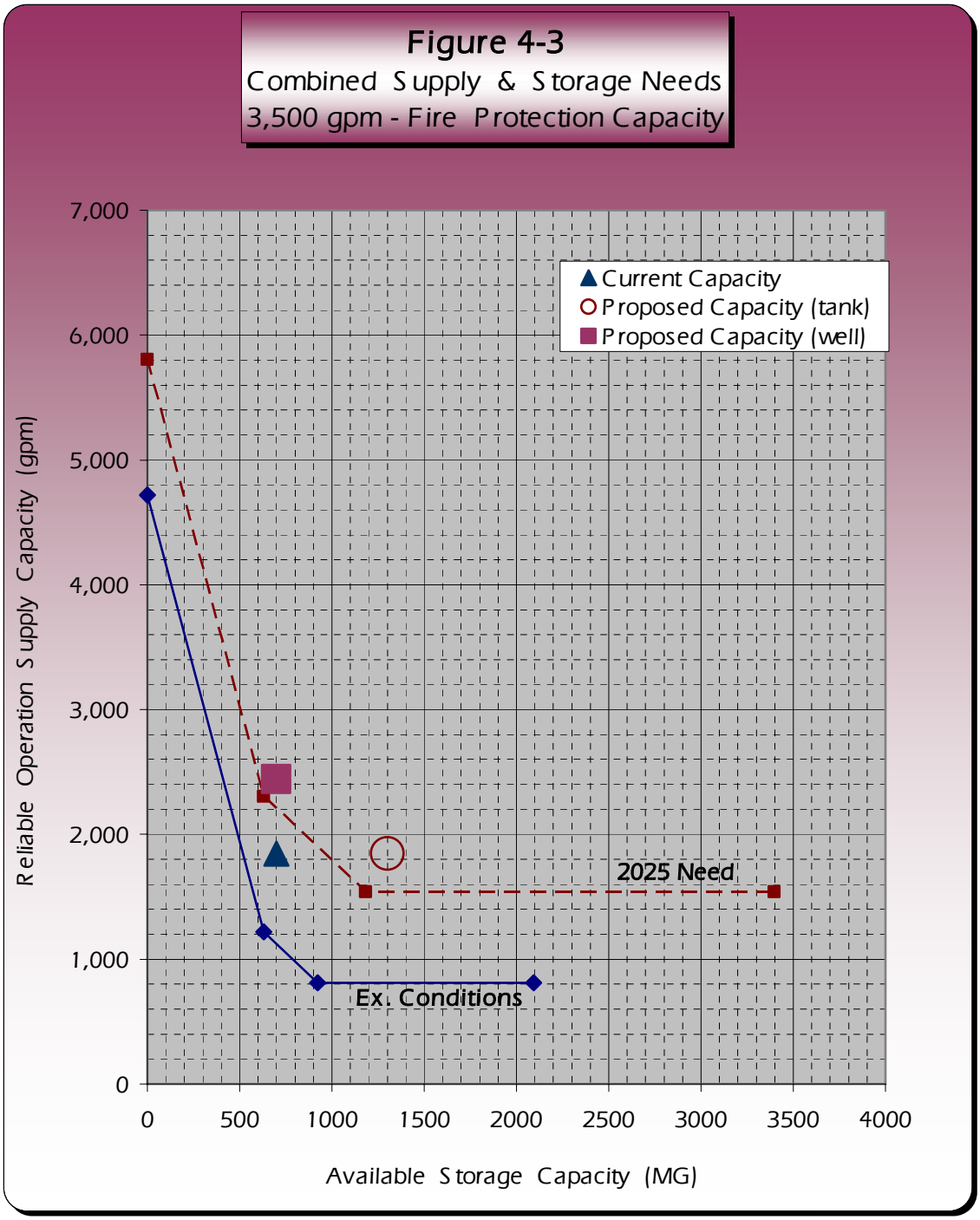
The following criteria were used to develop a relationship between supply capacity and the optimum amount of storage volumes for the Village of Jackson.

- Firm supply capacity should be able to meet projected maximum day demands

- Total available storage should be able to meet fire flow needs with a firm supply capacity that meets maximum day demands. The base fire flow need is 3,500gpm for a duration of 3 hours

The amount of storage required for Jackson's water system is related to the available supply capacity. As the supply capacity is increased, the amount of storage required in the distribution system is decreased. The relationship between the firm supply capacity and usable storage can be seen in Figure 4-3.The optimum amount of water storage required was determined based on the firm water supply capacity of 1,844 gpm and a required fire flow of 3,500 gpm for 3 hours.

A point of the graph is plotted that represents the existing supply (1,844 gpm) and storage (0.7MG) capacities. This point should fall on or above the supply-storage curves for the existing and future systems. The graph shows the Village will be operating above the existing supply-storage curve once Well 5 is in operation. However, the existing supply-storage capacities will need to be increased to meet the future supply-storage curve. Since the firm capacity of the water supply is greater than the future maximum day demand, increasing the capacity of the Village's water storage facilities would be required.



Increasing the storage capacity by approximately 600,000 gallons will help meet the future requirements of the Village. Another option would be to increase the reliable water supply in the Village. Converting the old Cranberry Creek well to replace the existing well 2 will increase the reliable pumping capacity approximately 700 gpm, and allow the Village to meet the future water needs.

The existing and proposed storage sites for the Jackson water distribution system are shown on Figure 4-4. A total of 1.3 million gallons (MG) of storage at 4 sites is planned. The future storage capacity is higher than the typical design of about 30 percent of the future maximum day demand for the following reasons.

- To maintain pressures – the variation in ground elevation limits the effective storage in each tank.
- Redundancy – high pressure district does not have a back-up source of water.
- Operational Control – The high pressure district currently has virtually no storage capacity only enough to maintain system pressure. As the high pressure district grows the need for an additional storage facility will increase in order to properly operate the booster pumps.

The proposed elevated water storage tanks have been located to take advantage of high ground, thus minimizing construction costs. They are also located at points within the distribution system which complement the primary supply points and thereby maintain more constant water pressure during peak demand periods.

Table 4-1 shows the proposed storage facilities. The following paragraphs discuss some of these facilities in greater detail.

Table 4-1 Proposed Storage Facilities

Storage Location	Type of Storage Facility	HWL	Total Storage (MG)	Service District
Business Park (tank 2)	Elevated	1,065	0.5	Low
Low District (tank 1)	Elevated	1,065	0.2	Low
Sherman Road	**Elevated**	**1,065**	**0.3**	**Low**
Pleasant Valley Rd.	**Elevated**	**1,140**	**0.3**	**High**
Total			**1.3**	

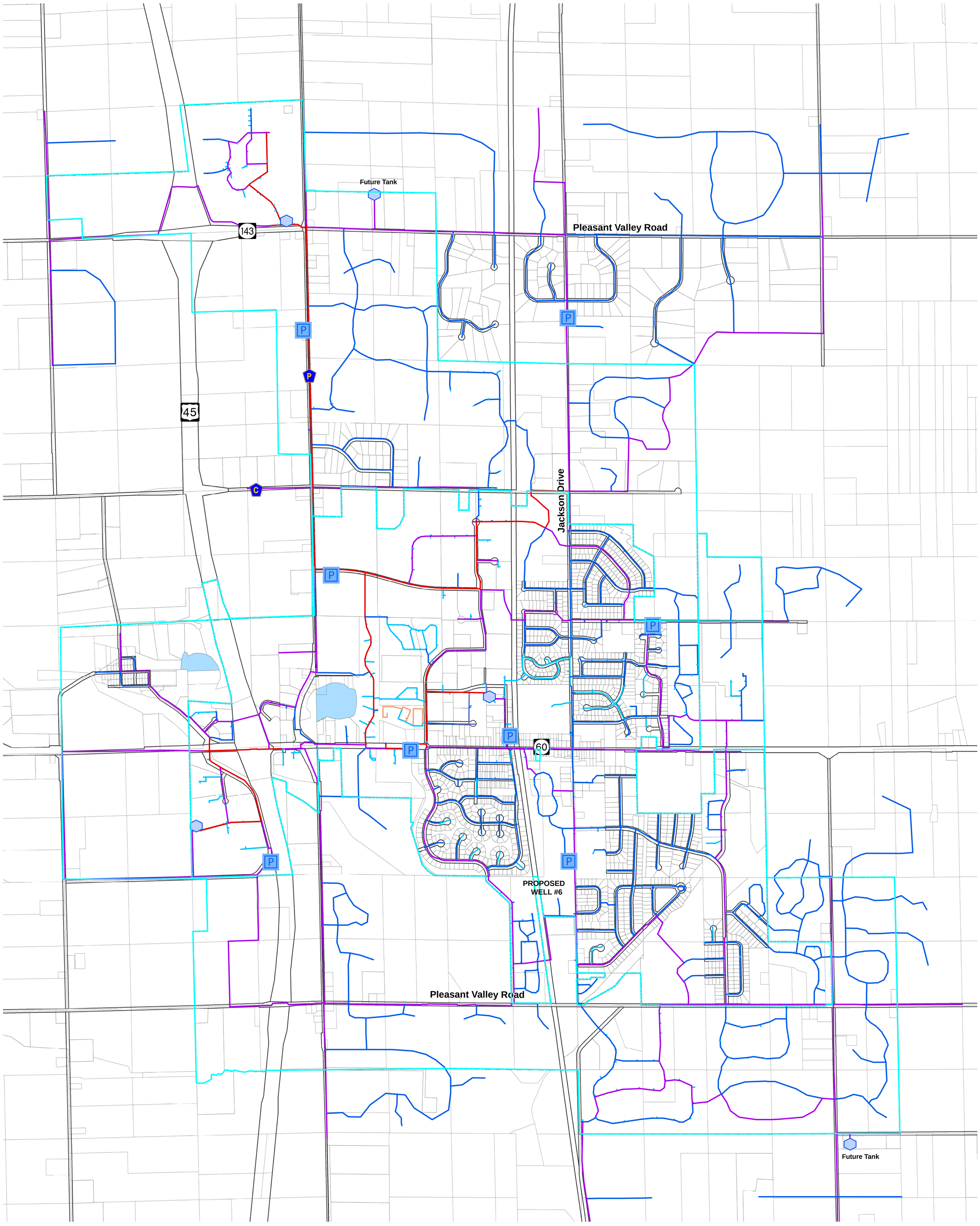
4.5 Distribution System

General

The proposed distribution system for the Village of Jackson is presented on Figure 4-4. There are five water supply sites in the proposed system and four elevated water storage facilities. A strong network of transmission water mains extend in every direction from these sites. Major

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Future Build-Out Distribution System 22 x 34.mxd)
10/10/2006 -- EOJ

Figure 4-4
Proposed Distribution System



Legend

- Pumps
- Village Limits
- Study Limits
- Tanks

Pipes

- 4" Diameter Pipe
- 6" Diameter Pipe
- 6" Diameter Pipe
- 8" Diameter Pipe
- 10" Diameter Pipe
- 12" Diameter Pipe
- 16" Diameter Pipe

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0 500 1,000 2,000 3,000 Feet

N

water mains connect the storage tanks and the supply sources and are looped throughout the system in order to provide reliable service.

The Village's topography ranges from elevation 830 to elevation 1040. The distribution system has been divided into two pressure districts, to provide a static pressure range of 35 psi to over 95 psi (pounds per square inch). Static pressure is defined as the pressure available at the street when all the tanks are full and no one is using water. The proposed high pressure district boundary can be seen in Figure 4-4. The boundary line was determined based on a 125 foot service range for both zones and an overlapping static pressure range of approximately 20 psi. The low pressure district will serve an elevation range between 830 and 955 and the high pressure district will serve an elevation range between 915 and 1040. Figure 4-5 illustrates the static pressures for the future distribution system.

Static pressures within the system, as measured at street level, are satisfactory if they are maintained between 40 psi and 90 psi. Under peak demand conditions, it is desirable to maintain residual pressures above 30 psi. Under emergency conditions, pressures must be maintained above 20 psi. In some instances, static and residual pressures may exceed 90 psi where an area is at low ground elevations. All homes with a static pressure of greater than 80 psi may want to have individual pressure reducing valves installed in the homes. Homes with static pressures below 40 psi should have in-home pressure booster stations.

Hydraulic Analysis

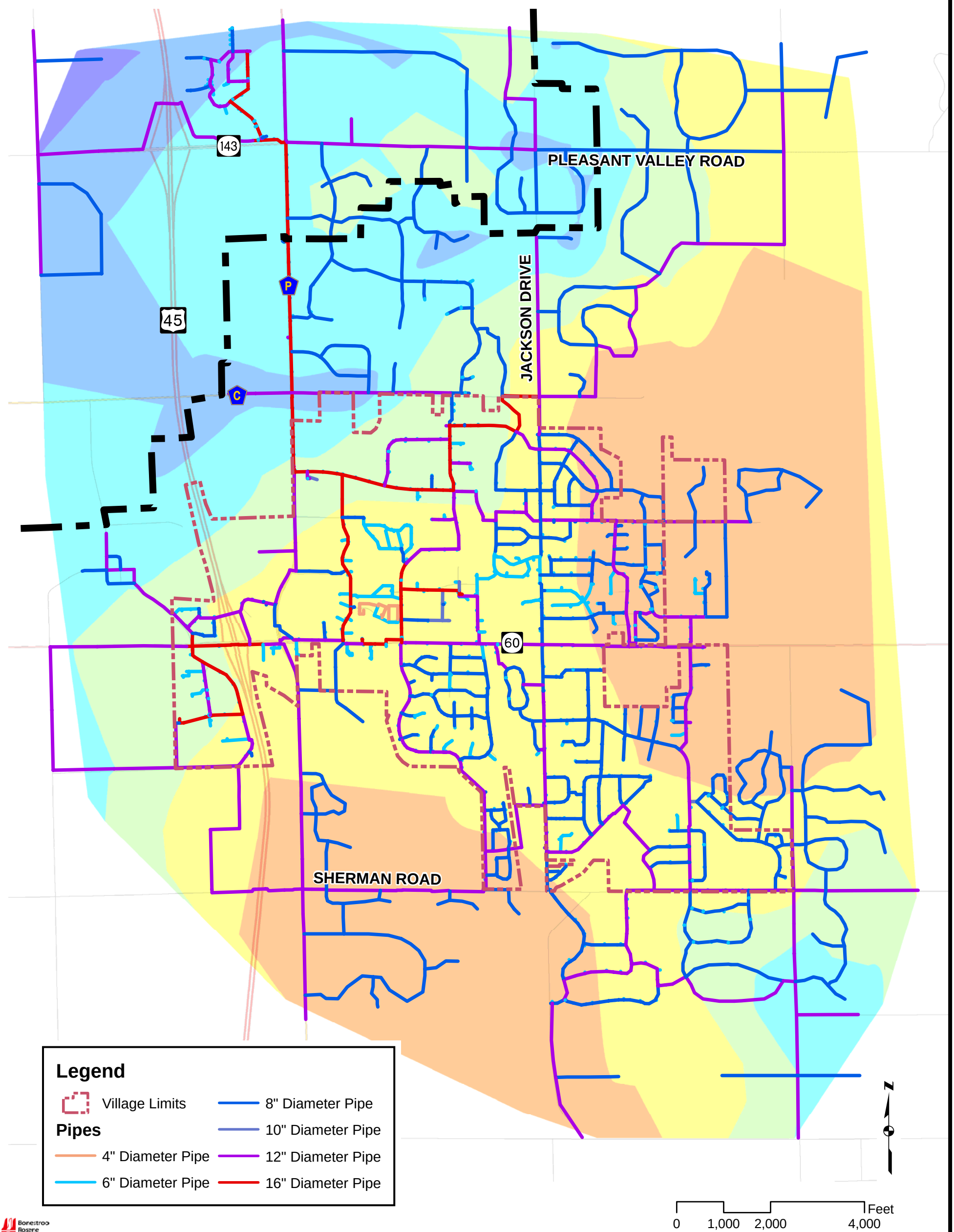
The computer analysis described previously was used to design and analyze the ultimate water system during the maximum day. The future system shown on Figure 4-4 was evaluated on the following parameters.

- **Tank Operation:** The water level in a tank should 'bounce' during the day to maintain a fresh source of water in the tank, but the tank should not empty during the maximum day to provide a safety factor in an emergency. The analysis verifies minimum level, ending level, and total operation time for each tank.

- **Pump Operation:** The water supply well pumps should operate as close to optimum as possible through the maximum day.

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Static Pressure 11 x 17.mxd)
4/26/2006 -- eoj

Figure 4-5
Future Static Pressure



- **High Pressure Areas:** Areas at low ground elevations are susceptible to high pressure problems. As the Static Water Pressure Map at the back of the report shows, there are several areas with high static pressures. In-home pressure reducing valves are desirable anytime the static pressure is above 80 psi. High pressures can also occur during low demand periods due to excessive headloss in pipes used to fill tanks. None of Jackson's high pressures are due to tank filling conditions.

- **Fire Flows:** The Insurance Services Office (ISO) recommended fire flows are shown in Table 5. All areas outside the urban service area are designed for 3,500 gpm (gallons per minute) since it is not possible to determine the exact location of single family residential at this time. Figure 4-6 shows the fire flow for the future service area. All areas will meet or exceed the recommended fire flows while maintaining 20 psi residual pressure.

- **Railroad Crossings:** The existing 6-inch railroad crossing into the Parkside subdivision was abandoned as part of the future service area hydraulic analysis. The existing 16-inch crossing into the planned Laurel Springs subdivision should be extended to Jackson Drive to serve as transmission main to any new development in the Northeastern zone of the service area. The existing 12-inch crossing south of Highway 60 should also be extended to the 12-inch main in Jackson Drive.

4.6 Water System Phasing

The projected served population of Jackson in the year 2025 is approximately 10,400. Based on the projected population growth, additions to the supply, and storage facilities were estimated until the year 2025 and are presented in Table 4-2. These additions will keep pace with the increasing needs of the community and at the same time maintain a desirable balance between storage and supply for economy and reliability. If growth rates deviate from the Village's forecasts, if a major water consumer is added to the system, or conservation measures produce a result different than anticipated, the phasing schedule of Table 4-2 should be revised in accordance with the latest available data. The data presented in Table 4-2 is based on the assumption the new well#6 will provide an 800 gpm supply and the required storage is will provide enough emergency water storage for a 3 hour fire duration at 3,500 gpm.

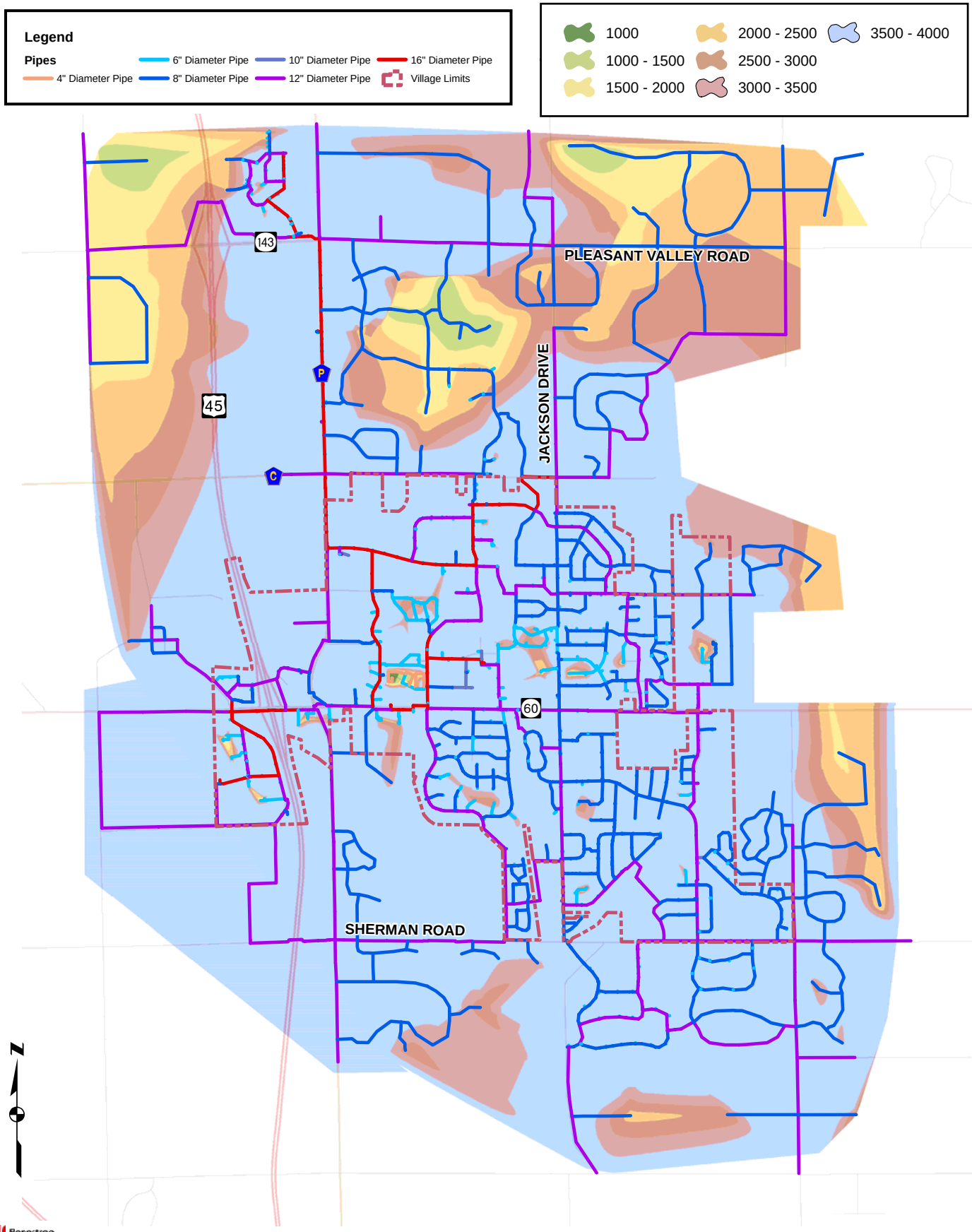
Table 4-2 Water Supply / Storage Phasing

Year	Served Population	Max. Day Demand		Supply		Storage		Comments
		(gpm)	(MGD)	Required (gpm)	Available (1) (gpm)	Required (MG)	Available (MG)	
2005	5,884	838	1.21	838	844	0.5	0.7	
2006	6,491	933	1.34	933	1844	0.55	0.7	
2007	7,098	1,030	1.48	1,030	1844	0.6	0.7	
2008	7,706	1,129	1.63	1,129	2544	0.65	0.7	cranberry well conversion
2009	8,313	1,230	1.77	1,230	2544	0.7	1	add 3rd tower to low zone
2010	8,920	1,332	1.92	1,332	2544	0.8	1.3	add tower to north zone
2015	9,872	1,508	2.17	1,508	2544	0.95	1.3	
2020	10,000	1,528	2.20	1,528	2544	1	1.3	
2025	10,400	1,589	2.29	1,589	2544	1.1	1.3	

(1) well pump capacities have a duty rating of 80%

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Static Pressure 8-5 x 11.mxd)
4/24/2006 -- EOJ

Figure 4-6
Future Available Fire Flow



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CHAPTER 5- CAPITAL IMPROVEMENT PLANNING

Based on the planned developments within the Village limits and the projected growth of the service area, the water system will require improvements to accommodate the future water needs. The recommended improvements are presented in this chapter in a Capital Improvement Plan (CIP) for the Village. The CIP prioritizes system improvements and provides a schedule for the timing of project construction. Each proposed improvement also contains a budget cost estimate for the improvement.

5.1 Supply Improvements

The current reliable pumping capacity of the Village's supply system in 1844gpm, well above the system's current maximum day demand need of 840 gpm. However Well #2 in the Village only produces 70 gpm of water and has an average operating cost of approximately double that of the other Village wells. We recommend abandoning Well #2 and converting the old Cranberry Creek well to a municipal well capable of producing 700 gpm of water. The converted well will provide the Village with an increased supply of water capable of meeting the long term needs of the Village.

5.2 Storage Improvements

Recommended storage volumes in the system over the planning period are dependent of the future status of the high pressure zone, conversion of the Cranberry Creek well, and the peak hour demand in the distribution system. Currently there is no water storage in the high pressure zone for the Hospital and the County Fair grounds. As the distribution system expands in the high pressure zone, and the water demand increase to over 200 gpm, a water storage facility will be required. The 200 gpm threshold was set in the conditional approval letter from the DNR in 2000, when the high pressure booster station was constructed. A copy of the approval letter is in Appendix A. The Village has identified an area just north of Pleasant Valley Road as the site of the new storage facility. The timing of the new storage facility will greatly depend on the development along HWY 45, however, we recommend the Village secure the land for a new facility in 2007 in anticipation of constructing a new facility in 2010.

5.3 Distribution Improvements

Figure 5-1 is the proposed Village of Jackson Water Utility master plan for the Year 2025. The figure illustrates the recommend improvements to the existing distribution system, and the transmission main improvements to serve the planned developments within the service area. The improvements have been recommended to strengthen the transmission main system, develop a second feed to the high pressure zone, and to allow expansion of the distribution system into future service areas.

5.4 Capital Improvement Plan

The proposed CIP is presented in Table 5-1. The plan presents budget costs estimates and a proposed timeframe of the recommended improvements over the planning period.

TABLE - 5-1

RECOMMENDED CAPITAL IMPROVEMENTS PLAN

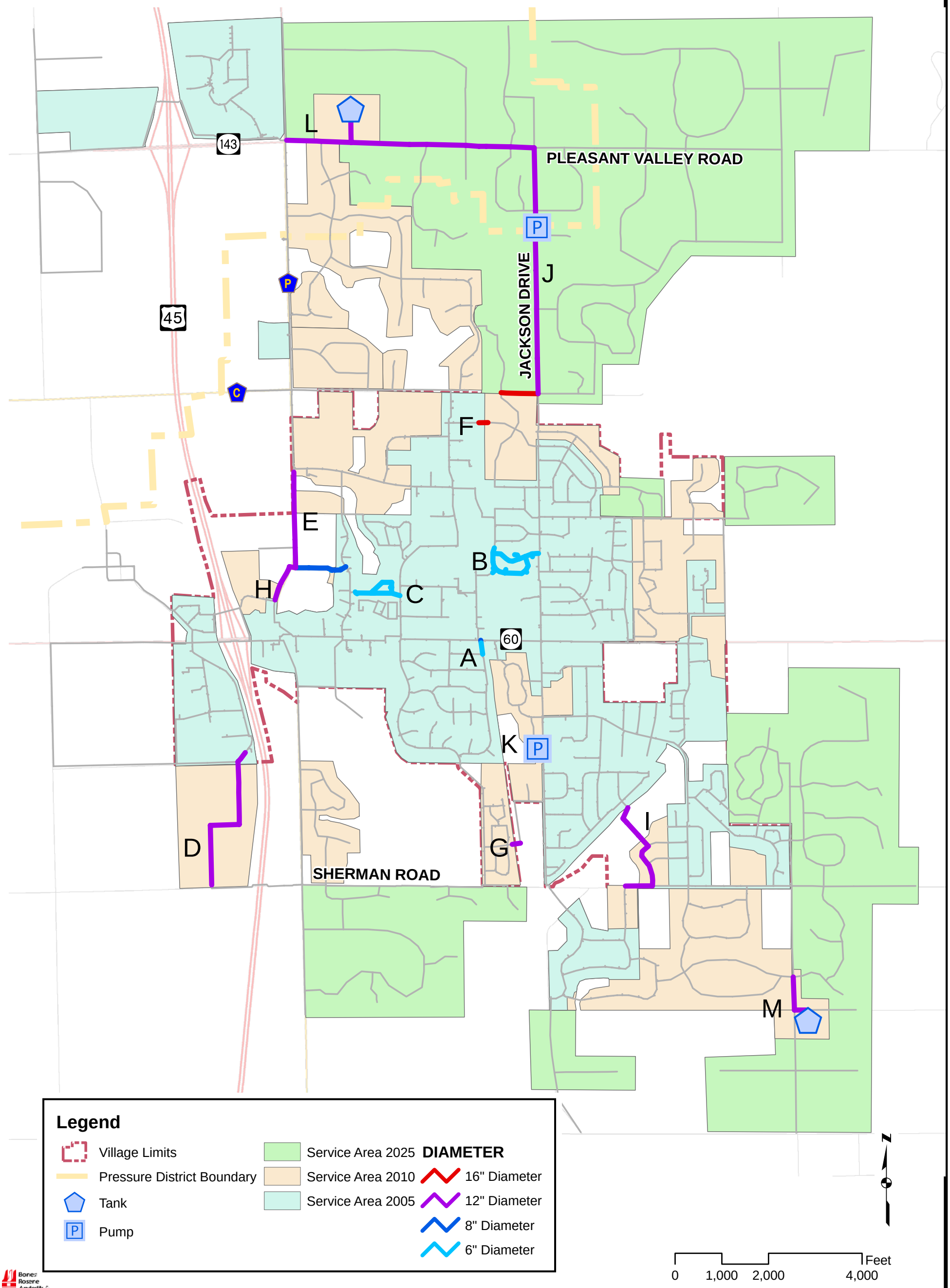
Village of Jackson

Project	Cost Estimate
Existing Distribution System - relay projects	
S. Center Street (Main St to Reynolds)	$480,000
Parkside Subdivision/ Jackson Drive	$1,900,000
Green Valley I (last phase)	$520,000
Proposed Development Projects - system expansion	
Water/Sewer Main - Sherman Rd (Glen Brooke Dr to Well 4)	$500,000
TIF Projects	$1,600,000
Water main under tracks Cedar Creek Road (Laurel Springs)	$200,000
Water main under tracks at Prange's Property	$130,000
Aurora Water Main Loop across CTH "P"	$450,000
Water main on Sherman (Dallmann Village Phase 2)	Developer's expense

Project	Cost Estimate
Supply Improvements	
Well #6	$450,000
Storage Improvements	
High Pressure Storage Tower	$400,000
Low Pressure Storage Tower	$400,000

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Future Fire Flow 11 x 17.mxd)
4/26/2006 -- EOJ

Figure 5-1
Proposed Improvement Projects



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APPENDIX A

Bonestroo Rosene Anderlik & Associates
Engineers & Architects

Mequon Office
12075 N. Corporate Parkway
Suite 200
Mequon, Wisconsin 53092
Phone: (262) 241-4466
FAX: (262) 241-4901

MEMO

TO: TSN

DATE: March 15, 2006

FROM: MWP

RE: RR crossings

Summary and Conclusion:
The 6" water main connecting Parkview Court and North Center Street adds little value to the water system under either normal or emergency conditions. Investment in a replacement is not advisable. This main can be abandoned in the future without significant negative effects. The pipes loss only appeared significant when combined with the additional loss of the railroad crossings located to its north and south. This combined loss would produce significant effects, but the resulting conditions would remain far in excess of the critical needs.

Background:
The existing water main in the subdivision containing Parkview Court is all 6" iron main. Near-term plans call for the replacement of the main in this subdivision. The existing water main linking Parkview Court with North Center Street is also 6" diameter iron pipe and crosses a railroad right-of-way that runs north-south. The value of this pipe link to North Center Street was studied to determine the value and importance of including it as part of the area main replacement plan. Water main connections across the railroad right-of-way are sparse, making each crossing more critical than a similar pipe would be otherwise. For this reason, the simultaneous loss of the water main crossing to the north and south of this location was also considered.

Analysis:
The Village of Jackson computer model was configured to simulate performance of the water system under different scenarios in order to determine value of the pipe link with North Center Street. All simulations assumed the other main in the subdivision in question had been replaced with new 8" PVC pipe. Operation under non-emergency demands produced no noticeable effects and therefore only the effects on emergency fire flow capacity is reported.

All hydrants in the subdivision were examined to determine how high a flow rate would be available under demanding water use conditions. The hydrants on adjacent portions of Jackson Drive were also evaluated, but were dropped from the reported results, as these results were substantially less significant.

Results:
Demand Conditions: Maximum Annual Day demand – Maximum Demand Hour Average

SIMULATION CONDITIONS	**Range of Critical Fire Flows within subdivision**
Existing 6" main in service	2400-3900 gpm
Existing 6" main out of service	2300-3400 gpm
Combination- 6" main & RR crossing South out of service	1800-2400 gpm
Combination- 6" main & RR crossing North out of service	1800-2400 gpm

FIRE FLOW TEST

Test Date: 5-2-06 2:15pm Test I.D. #: 1 Project # 841-05119

Municipality: Village of Jackson

Pressure District:

LOCATION

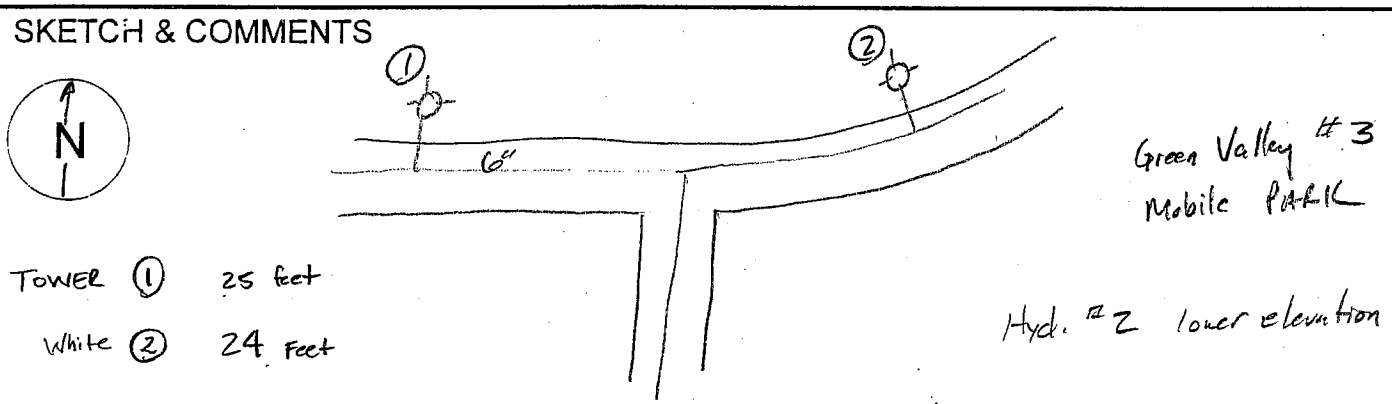
Flowing Hydrant(s): Elevation: 885.94

(2) J-788 Elevation:

Pressure Hydrant(s): Elevation: 895.15

(1) J-790 Elevation: 71.85

SKETCH & COMMENTS



Tower (1) 25 feet

White (2) 24 feet

FLOW HYDRANT (separate or change in flow)

Hyd #	Time	Static	Outlet	Dia.	Coeff.	Pitot Pressure (psi)	Flow (gpm)
(2)	2:15 - 2:19		1	2½"	0.90	50	1234
	: - :						
	: - :						
	: - :						

RESIDUAL HYDRANT (separate or change in pressure)

		Pressure (MAX-AVG-MIN)				Pressure Drop		Test Flow	Flow @ 20psi
Hyd #	Time	Before	Residual	After	El. Corr.	Test	@ 20psi		
1	2:15 - 2:19	73	68-67	73-74		5	48	1234	4185
	: - :								
	: - :								
	: - :	72	68.3			3.5			
	: - :								
	: - :								

Pump Activity Triggered Y N

Damage Y N

By:

Assisted:

$$Q_{20} = Q_T \left(\frac{\Delta P_{20}}{\Delta P_T}\right)^{0.54} \qquad Q = 29.83cd^2\sqrt{P}$$

Nozzle Coefficients

well rounded, smooth - 0.90

squared off at barrel, sharp edged - 0.80

projects into barrel, sharp edged - 0.70

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FIRE FLOW TEST

Test Date: 5-2-06 Test I.D. #: 2 Project # 841-05119

Municipality: Village of Jackson

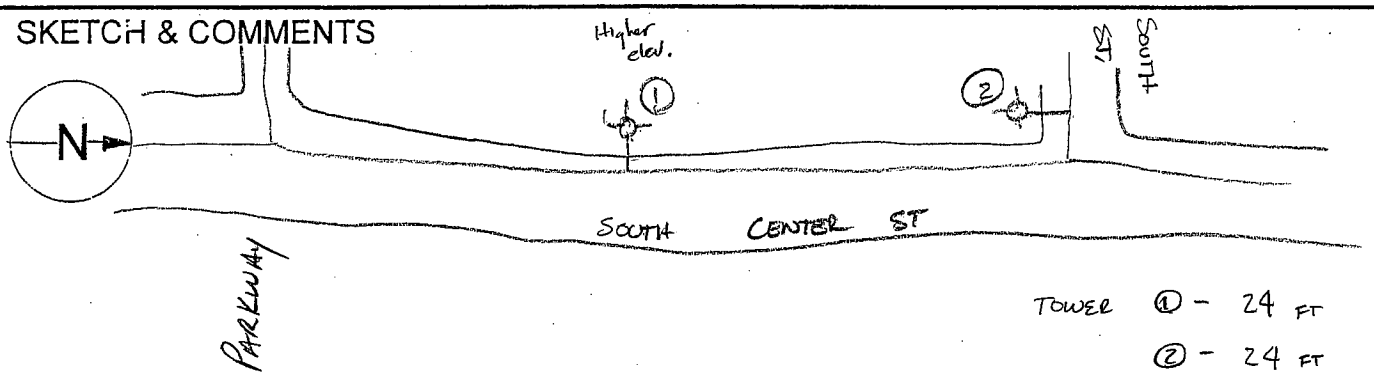
Pressure District:

LOCATION

Flowing Hydrant(s): ON SOUTH CENTER BETWEEN SOUTH ST. & PARKWAY J-318 Elevation: Elevation: 899.74

Pressure Hydrant(s): SW CORNER OF SOUTH ST. & SOUTH CENTER ST. J-404 Elevation: Elevation: 897.25

SKETCH & COMMENTS



TOWER ① - 24 FT
② - 24 FT

FLOW HYDRANT (separate or change in flow)

Hyd #	Time	Static	Outlet	Dia.	Coeff.	Pitot Pressure (psi)	Flow (gpm)
1	2:35 - 2:37		1	2½	0.9	48	1220
	: - :						
	: - :						
	: - :						

RESIDUAL HYDRANT (separate or change in pressure)

		Pressure (MAX-AVG-MIN)				Pressure Drop		Test Flow	Flow @ 20psi
Hyd #	Time	Before	Residual	After	El. Corr.	Test	@ 20psi		
2	2:35 - 2:37	69	62-65	68		7	42	1220	3,210
	: - :								
	: - :								
	: - :	70.5	69.1						
	: - :								
	: - :								

Pump Activity Triggered Y N

Damage Y N

By: TSN

Assisted: DAN RADKE

$$Q_{20} = Q_T \left(\frac{\Delta P_{20}}{\Delta P_T}\right)^{0.54} \qquad Q = 29.83cd^2\sqrt{P}$$

Nozzle Coefficients

well rounded, smooth - 0.90
squared off at barrel, sharp edged - 0.80
projects into barrel, sharp edged - 0.70

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FIRE FLOW TEST

Test Date: 5-2-06 Test I.D. #: 3 Project # 841-05119

Municipality: Village of Jackson

Pressure District: Low

LOCATION

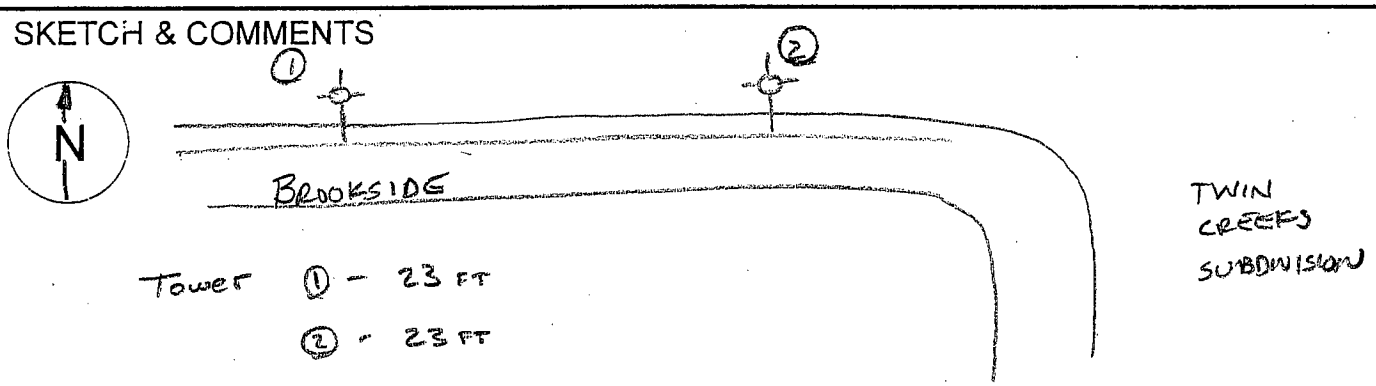
Flowing Hydrant(s): FIRST HYD. EAST OF PRESSURE HYD. Elevation: 869.57

J-136 Elevation:

Pressure Hydrant(s): 2400 BROOKSIDE Elevation: 861.95

J-134 TWIN CREEKS SUBDIVISION Elevation:

SKETCH & COMMENTS



Tower 1 - 23 FT

2 - 23 FT

FLOW HYDRANT (separate or change in flow)

Hyd #	Time	Static	Outlet	Dia.	Coeff.	Pitot Pressure (psi)	Flow (gpm)
2	2:53 - 2:55		1	2 1/2"	0.9	20 - 34	835 - 1062
	: - :						
	: - :						
	: - :						

RESIDUAL HYDRANT (separate or change in pressure)

		Pressure (MAX-AVG-MIN)				Pressure Drop		Test Flow	Flow @ 20psi
Hyd #	Time	Before	Residual	After	El. Corr.	Test	@ 20psi		
1	2:53 - 2:55	79	38-52-58-65	79		24			
	: - :	85.3							
	: - :		70.9	63					
	: - :								
	: - :								
	: - :								

Pump Activity Triggered Y N

Damage Y N

By: TSN

Assisted: DAN Radtke

$Q_{20} = Q_T \left(\frac{\Delta P_{20}}{\Delta P_T}\right)^{0.54}$ $Q = 29.83cd^2\sqrt{P}$

Nozzle Coefficients

well-rounded, smooth - 0.90

squared off at barrel, sharp edged - 0.80

projects into barrel, sharp edged - 0.70

Bonestroo Rosene Anderlik & Associates

Engineers & Architects

FIRE FLOW TEST

Test Date: 5-2-06 Test I.D. #: 4 Project # 841-05119

Municipality: Village of Jackson

Pressure District: Low

LOCATION

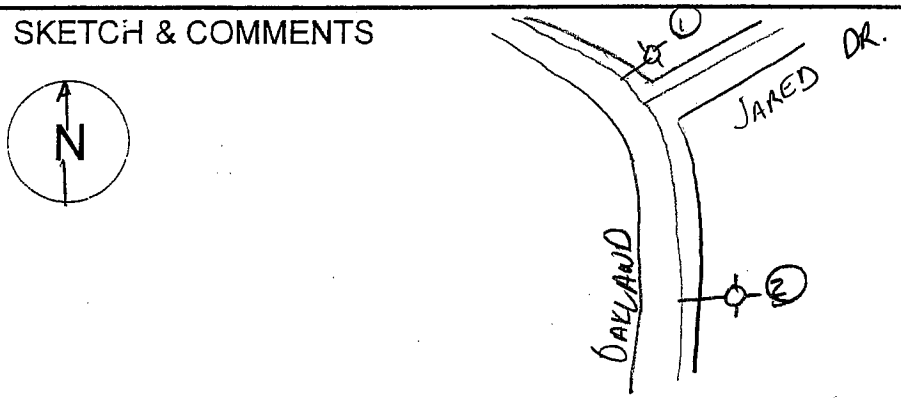
Flowing Hydrant(s): Jared Dr. Elevation: 882.73

J-90 Elevation:

Pressure Hydrant(s): Oakland Ave Elevation: 882.17

J-88 Elevation:

SKETCH & COMMENTS



Tower

1 - 23

2 - 23

FLOW HYDRANT (separate or change in flow)

Hyd #	Time	Static	Outlet	Dia.	Coeff.	Pitot Pressure (psi)	Flow (gpm)
1	3:05 - 3:07		1	2½	0.9	40	1152
	: - :						
	: - :						
	: - :						

RESIDUAL HYDRANT (separate or change in pressure)

		Pressure (MAX-AVG-MIN)				Pressure Drop		Test Flow	Flow @ 20psi
Hyd #	Time	Before	Residual	After	El. Corr.	Test	@ 20psi		
2	3:05 - 3:07	72-76	42-60-62	64 70-72		10	42	1152	2,500
	: - :								
	: - :	76.2		68.3					
	: - :								
	: - :								
	: - :								

Pump Activity Triggered Y N

Damage Y N

By: TSN

Assisted: DAN RADTKE

$$Q_{20} = Q_T \left(\frac{\Delta P_{20}}{\Delta P_T}\right)^{0.54} \qquad Q = 29.83cd^2\sqrt{P}$$

Nozzle Coefficients

well rounded, smooth - 0.90

squared off at barrel, sharp edged - 0.80

projects into barrel, sharp edged - 0.70

Bonestroo Rosene Anderlik & Associates

Engineers & Architects

FIRE FLOW TEST

Test Date: 5-2-06 Test I.D. #: 5 Project # 841-05119

Municipality: Village of Jackson

Pressure District:

LOCATION

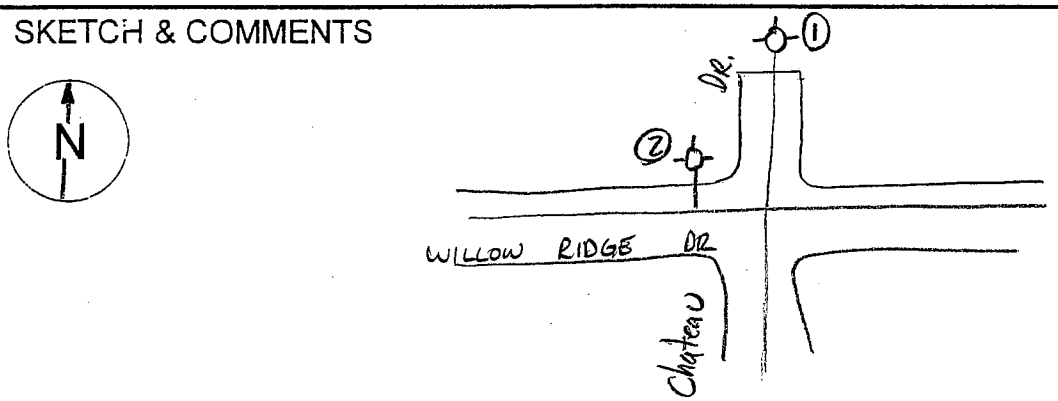
Flowing Hydrant(s): CHATEAU DR. DEAD-END Elevation: 877.57

J-590 Elevation:

Pressure Hydrant(s): NW CORNER OF CHATEAU & Elevation: 879.42

WILLOW RIDGE DRIVE J-592 Elevation:

SKETCH & COMMENTS



TOWER
1 23
2 22

FLOW HYDRANT (separate or change in flow)

Hyd #	Time	Static	Outlet	Dia.	Coeff.	Pitot Pressure (psi)	Flow (gpm)
1	3:19 - 3:21		1	2 1/2	0.9	50	1234
	: - :						
	: - :						
	: - :						

RESIDUAL HYDRANT (separate or change in pressure)

		Pressure (MAX-AVG-MIN)				Pressure Drop		Test Flow	Flow @ 20psi
Hyd #	Time	Before	Residual	After	El. Corr.	Test	@ 20psi		
2	3:19 - 3:21	77	64-10 72	79		7	50	1234	
	: - :								
	: - :	77.76	75.7						
	: - :								
	: - :								
	: - :								

Pump Activity Triggered Y N

Damage Y N

By: TSN

Assisted: DAN ROOKE

$$Q_{20} = Q_T \left(\frac{\Delta P_{20}}{\Delta P_T}\right)^{0.54} \qquad Q = 29.83cd^2\sqrt{P}$$

Nozzle Coefficients

well rounded, smooth - 0.90
squared off at barrel, sharp edged - 0.80
projects into barrel, sharp edged - 0.70

Bonestroo Rosene Anderlik & Associates
Engineers & Architects

State of Wisconsin \ DEPARTMENT OF NATURAL RESOURCES

WISCONSIN
DEPT. OF NATURAL RESOURCES

Tommy G. Thompson, Governor
George E. Meyer, Secretary

101 S. Webster St.
Box 7921
Madison, Wisconsin 53707-7921
Telephone 608-266-2621
FAX 608-267-3579
TDD 608-267-6897

May 24, 1999

P&S No. 98-1980

MR DELMORE BEAVER CLERK
VILLAGE OF JACKSON
N168 W20733 MAIN ST
PO BOX 147
JACKSON, WI 53089

Dear Mr. Beaver:

The Division of Water is conditionally approving an underground booster station as submitted by Paul Eiring, professional engineer, Graef, Anhalt & Schloemer and Associates, Inc. The request for approval was received on December 30, 1998. Two thirty day time extensions were granted for review of the project. Revised plan sheets were received on April 9, 1999. Additional information about the project was submitted on April 28, 1999 and on May 11, 1999.

The underground booster station will be located approximately 5000 feet north of the Village of Jackson, on the west side of County Trunk Highway 'P'. The proposed construction will include an above-grade surge tank building and an emergency generator installed on a reinforced concrete foundation and slab. Initially, the booster station will provide water to the county fair grounds. Ultimately, the booster station will provide water to a service area shown in Appendix C in the engineering report, WATER BOOSTER STATION FOR WASHINGTON COUNTY FAIR PARK (dated December 1998).

The maximum elevation of the proposed (boosted) service area is 1002 feet. The pump-on elevation for the 500,000 gallon Village of Jackson elevated tank was reported to be 1058 feet. Thus, the minimum static pressure zone in the service area (without the booster station) would be 24 psi. The design (maximum) flow rate during the operation of the county fair park is 400 gpm. The average flow rate for the developed service area with the fair in operation is 700 gpm. The service area will eventually provide water service to 200 acres of commercial development and 300 acres of residential development. The design residential population is estimated to be 800. With this development, the Village of Jackson would need additional source capacity to meet the increase in demand (letter from Paul Eiring, Graef, Anhalt & Schloemer and Associates, Inc., dated April 26, 1999).

Four variable speed booster pumps will be installed in a below-grade, elliptical-shaped chamber. The elevation of the finished grade above the booster station will be 934.23 feet. Access to the chamber for personnel will be through a 30 inch by 96 inch (locking) hatch and a metal stairway. A 48 inch diameter equipment access tube will allow for the removal of the pumps and motors. The manway hatch and the equipment access cover will be 24 inches above finished grade. A ceiling-mounted monorail and hoist system will be provided for interior handling of heavy equipment. The chamber will be provided with heating, lighting, mechanical ventilation, and dehumidification equipment. A tap for emergency chlorination will be installed in the discharge piping within the booster station.

The four variable speed pumps will have the following design and operation parameters:

Pump No.	Flow Rate (gpm)	TDH (feet)	HP	Pump Operation Notes
1	600 max.	100	30	Alternating start-up with Pump No. 2
2	600 max.	100	30	Second pump starts at 35 psi

Pump No.	Flow Rate (gpm)	TDH (feet)	HP	Pump Operation Notes
1 and 2	1000	109	n/a	operating simultaneously
3	2100 average	74	50	alternating start-up with Pump No 4
4	2100 average	74	50	Pump Nos. 3 or 4 starts at 30 psi

A meter pit and a surge tank pit have been constructed at a site located on the County Fair property. The installation of equipment in the meter pit will include a 100 gallon surge tank. The flow meter will send flow rate data to a SCADA system. The installation of equipment in the surge tank pit will include two 500 gallon surge tanks. A pressure sensor will be located in the surge tank vault to provide control of the booster pumps. The engineering report indicated that the two surge tanks should be replaced with an elevated tank when the average (daily) flow rate approaches 200 gpm.

Conditions of Approval

The plans and specifications and other reports on file with the Department were used as the basis for conditional approval. The plans and specifications are hereby approved in accordance with s. 281.41, Statutes as attested by affixing on the plans and specifications, the stamp of approval Number 98-1980, subject to the following conditions:

1. The water supply facilities shall be thoroughly disinfected and not be placed in service until bacteriologically safe samples have been obtained in accordance with s. NR 811.07(3), Wis. Adm. Code.

2. Nuetralization and disposal of any chlorinated water after disinfection of the booster station piping and the associated water mains shall be according to a written plan submitted to and approved by staff from the Department's Southeast Region (Contact Elizabeth Spaeth-Werner at 414-229-0824 or Francis Fuja at 414-263-8749).

3. Prior to placing the booster station into service Elizabeth Spaeth-Werner (PH 414- 229-0824), of the Department's Southeast Region office, shall be contacted for approval to start-up.

4. A smooth-ended sample faucet shall be installed on the booster station discharge line.

5. Any surge tank installed below the ground surface shall have a pressure relief valve that releases air when the tank is over-pressurized. Submit manufacturer's drawings of each surge tank that will be installed below-grade. The drawings shall clearly show the location of the air relief valve relative to the position of the tank diaphragm. Also, the submittal shall indicate the pressure at which the air relief valve will be activated.

6. When the average demand (on a daily basis) in the service area approaches 200 gpm, the Utility shall submit an engineering report (along with plans and specifications) for an elevated tank. The Department will monitor flow rate data (as available from the SCADA system) during annual and sanitary survey inspections of the Village of Jackson Water Utility.

7. That the improvements be installed in accordance with the plans and specifications, and the above conditions, or subsequent essential and approved modifications. Note: Any changes to the booster station design to eliminate confined space entry requirements shall be submitted for Department review and approval.

The Department has the authority under ss. 281.19(1), 281.17(8) and 280.11, Statutes to adopt rules for the construction, installation, use, and operation of practicable and available systems and for obtaining drinking water for human consumption. Chapters NR 108, 110, and 811, Wis. Adm. Code, have been adopted by the Department pursuant to this statutory authority. The Department has the authority to approve, conditionally approve, or deny plans under s. 281.41, Statutes.

The plans and specifications have been reviewed in accordance with s. 281.41, Statutes for compliance with Chapters NR 108, 110 and 811, Wis. Adm. Code (or any other applicable section of the Wisconsin Administrative code or Statutes which may be specifically referenced in the conditions above). This letter should not be construed as an approval for activities requiring approval under other Statutes or by other federal, state or local agencies.

The Division reserves the right to order changes or additions should conditions arise making this necessary.

If you believe that you have a right to challenge this decision, you should know that Wisconsin statutes and administrative rules establish time periods within which requests to review Department decisions must be filed.

For judicial review of a decision pursuant to s. 227.52 and 227.53, Statutes, you have 30 days after the decision is mailed, or otherwise served by the Department, to file your petition with the appropriate circuit court and serve the petition on the Department. Such a petition for judicial review shall name the Department of Natural Resources as the respondent.

To request a contested case hearing pursuant to s. 227.42, Stats., you have 30 days after the decision is mailed, or otherwise served by the Department, to serve a petition for hearing on the Secretary of the Department of Natural Resources. The filing of a request for a contested case hearing is not a prerequisite for judicial review and does not extend the 30-day period for filing a petition for judicial review.

This notice is provided pursuant to s. 227.48(2), Stats.

In case construction of this improvement has not commenced or contracts awarded to complete this improvement within two years from this date, this approval shall become void. After two years a new application and plan submittal must be made and approval obtained of this or other plans before any construction work is undertaken.

STATE OF WISCONSIN
DEPARTMENT OF NATURAL RESOURCES
For the Secretary

Robert A. Baumeister

Robert A. Baumeister, P.E., Chief
Public Water Systems Section
Bureau of Drinking Water & Groundwater

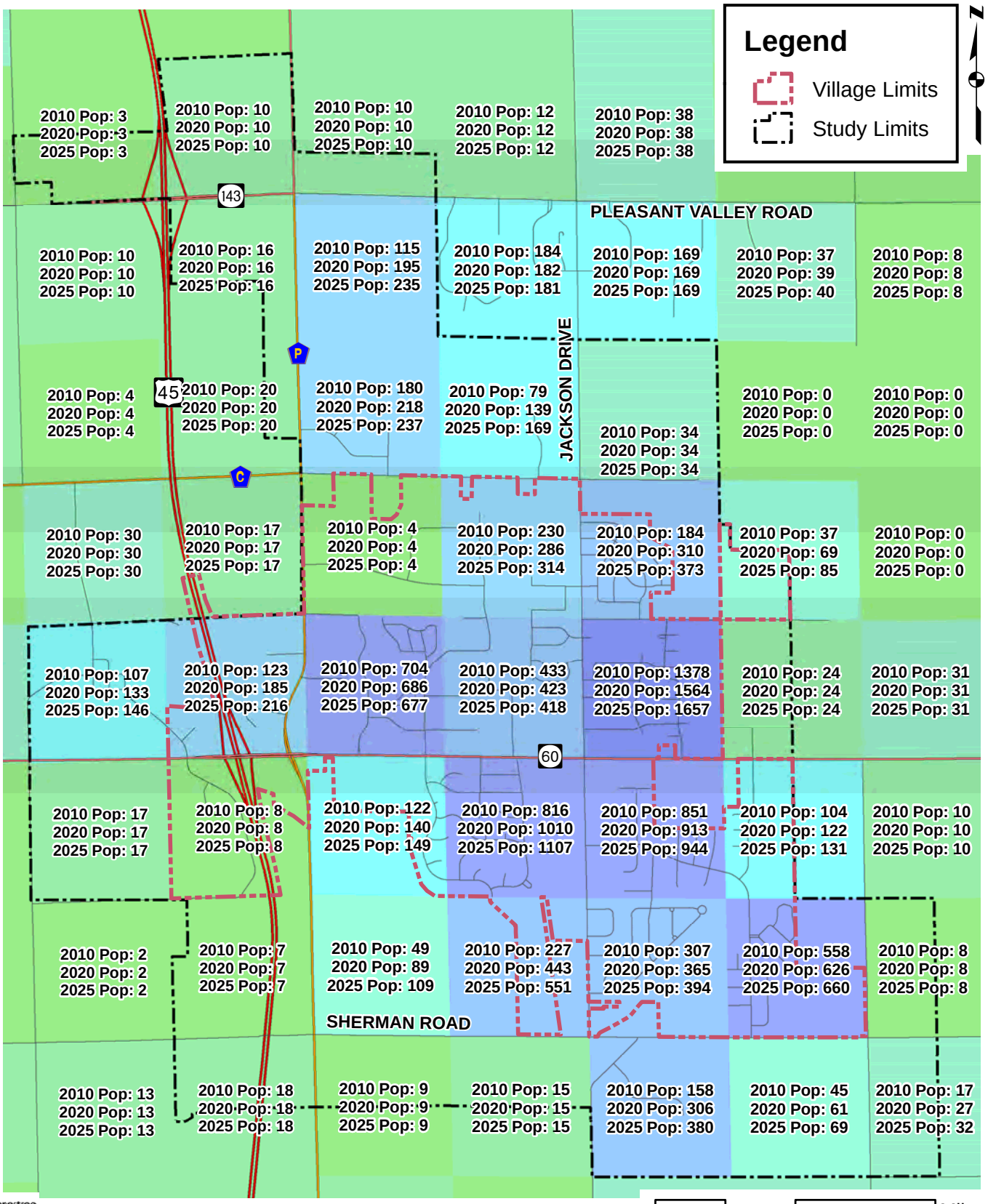
RAB:fgf

C: Paul Eiring, Graef, Anhalt & Schloemer and Associates, Inc
Marilyn Merten – Washington County Clerk
Public Service Commission
Elizabeth Spaeth-Werner – SER Richards St. Annex
Casefile

APPENDIX B

Map Document: (N:\841\84105119\Cad\GIS\mxd_projects\Population Projections 8-5 x 11.mxd)
4/24/2006 -- 4:54:49 PM

Figure B-1
2010, 2020 & 2025 Population Projections



Bonestroo Rosene Anderlik & Associates
Engineers & Architects

Source: Southeastern Wisconsin Regional Planning Commission

APPENDIX C

Table C-1
WATER CONSUMPTION 1998-2004
VILLAGE OF JACKSON

Year	Annual Water Sales						Total Sales	Total Pumped	%Pumpage Metered
	Commercial	Govern-mental	Industrial	Residential	Accounted for losses	Un-accounted for			
1998	25.7	2.2	51.4	91	16.66	4.5	170.19	180.06	94.52%
1999	25.9	6.4	50.5	92	13.49	2.8	174.80	182.99	95.52%
2000	31.3	2.3	40.7	96	15.37	3.6	170.38	180.49	94.40%
2001	30.1	2.2	39.7	100	13.07	8.5	171.52	184.61	92.91%
2002	33.7	1.8	33.5	111	15.39	15.2	180.09	200.63	89.76%
2003	37.2	2.8	30.2	115	12.77	27.1	184.81	278.25	66.42%
2004	35.0	1.9	26.3	110	10.99	27.8	173.53	216.06	80.32%
Total	218.8	19.6	272.4	715	97.74	89.51	1,412.56	1,423.07	99.26%

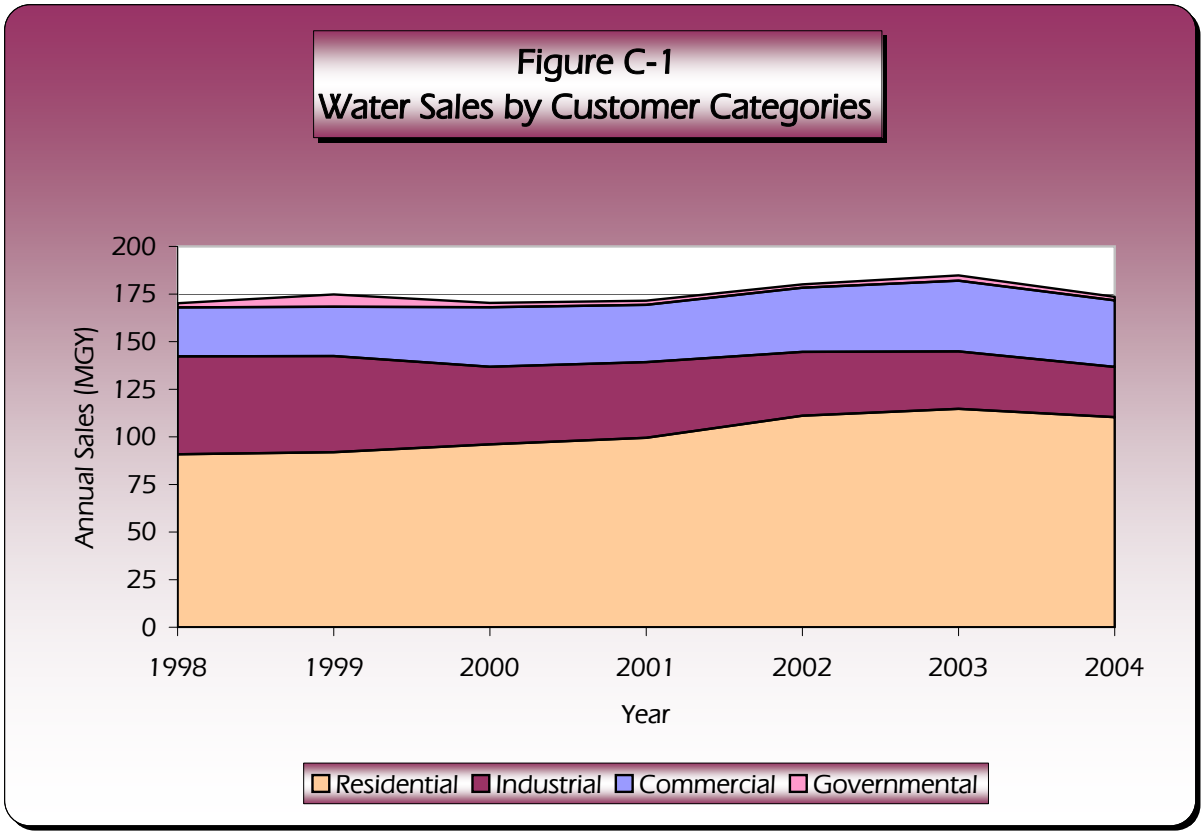


Figure C-2
Water Pumped
1995-2004

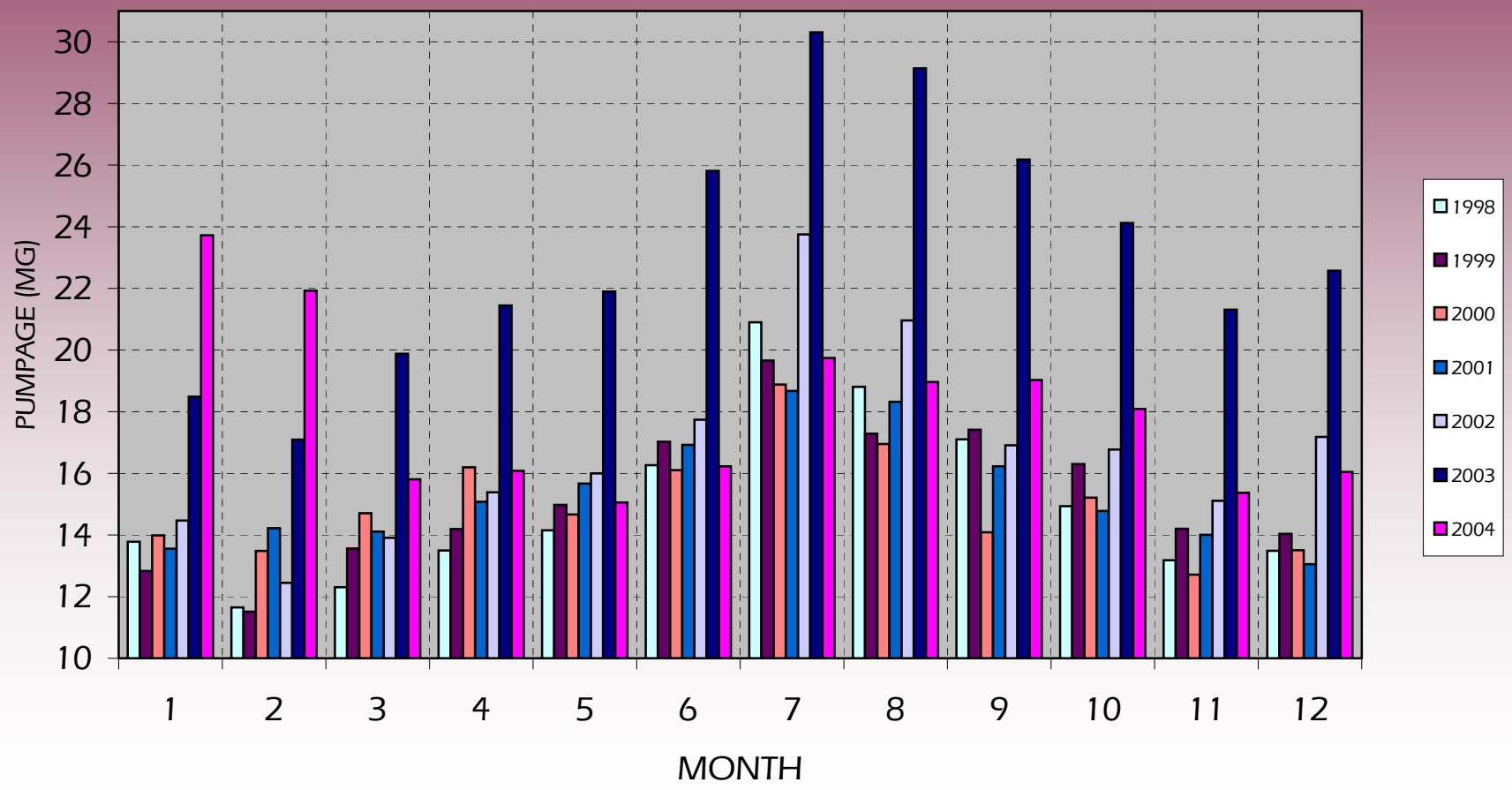


Table C-2
Pumping and Demand Variations
Village of Jackson

Month	Million Gallons Pumped						
	1998	1999	2000	2001	2002	2003	2004
Jan	13.78	12.83	13.986	13.556	14.468	18.485	23.724
Feb	11.651	11.512	13.481	14.221	12.446	17.092	21.928
Mar	12.306	13.559	14.705	14.111	13.908	19.881	15.806
Apr	13.494	14.193	16.196	15.078	15.384	21.444	16.079
May	14.151	14.977	14.665	15.668	15.998	21.898	15.054
Jun	16.262	17.023	16.104	16.924	17.741	25.815	16.227
Jul	20.899	19.66	18.882	18.672	23.753	30.307	19.741
Aug	18.807	17.284	16.95	18.32	20.962	29.138	18.962
Sep	17.101	17.412	14.089	16.227	16.91	26.179	19.029
Oct	14.936	16.3	15.209	14.778	16.772	24.124	18.089
Nov	13.182	14.2	12.711	14.006	15.108	21.308	15.371
Dec	13.487	14.037	13.507	13.052	17.18	22.575	16.045
Total	180.056	182.987	180.485	184.613	200.63	278.246	216.055
Max. Month (MGD)	0.674	0.634	0.609	0.602	0.766	0.978	0.765
Min. Month (MGD)	0.397	0.411	0.424	0.421	0.445	0.610	0.486
Max day (MGD)	0.946	0.880	0.986	0.927	1.158	1.353	0.951
Max day (date)	27-Jul	8-Jul	20-Jul	7-Aug	1-Jul	14-Jul	7-Feb
Avg. day (MGD)	0.493	0.501	0.493	0.506	0.550	0.762	0.590
Max day/ avg day	1.918	0.501	0.493	0.506	0.550	0.762	0.590
Max month/ avg day	0.805	0.820	0.859	0.832	0.809	0.801	0.823

Watermain break that started in December of 2002 and wasn't found and repaired until February of 2004.

Table C-3

Per Capita Water Demand

Village of Jackson

Year	Estimated Population	gpd/cap		
		Residential	Total	Max. Day
1998	4,496	55.37	109.72	210.41
1999	4,747	53.05	105.61	185.38
2000	4,998	52.67	98.94	197.28
2001	5,175	52.69	97.73	179.12
2002	5,352	56.71	102.70	216.35
2003	5,530	56.83	137.86	244.68
2004	5,707	52.99	103.72	166.64
	AVG.	54.33	108.04	199.98

APPENDIX D

Table D-1 Pumpage records 1998 to 2005 per well per month

	Well #1	Well #2	Well #3	Well #4	1998	Total Gal			Well #1	Well #2	Well #3	Well #4	1999	Total Gal
	3182	691	9906		Jan	13779			3315	810	4708	5152	Jan	13985
	4712	1931	5007		Feb	11650			3192	534	5639	4115	Feb	13480
	2805	3841	5659		Mar	12305			3687	670	7242	3105	Mar	14704
	3701	3741	6051		Apr	13493			3767	889	8024	3514	Apr	16194
	4096	3701	6871		May	14668			4329	625	7151	2558	May	14663
	4905	3697	7659		Jun	16261			3551	705	8352	3494	Jun	16102
	4035	3808	10313	2741	Jul	20897			4302	852	9849	3878	Jul	18881
	2877	3796	5949	6182	Aug	18804			3703	707	8795	3744	Aug	16949
	2381	3575	7599	3545	Sep	17100			4225	501	6534	2827	Sep	14087
	2487	3587	5715	3146	Oct	14935			4600	492	5881	4235	Oct	15208
	2132	3480	5013	2556	Nov	13181			3196	252	6656	2605	Nov	12709
	3025	2566	5646	2248	Dec	13485			3399	485	7125	2497	Dec	13506
Total	40338	38414	81388	20418		180558		Total	45266	7522	85956	41724		180468

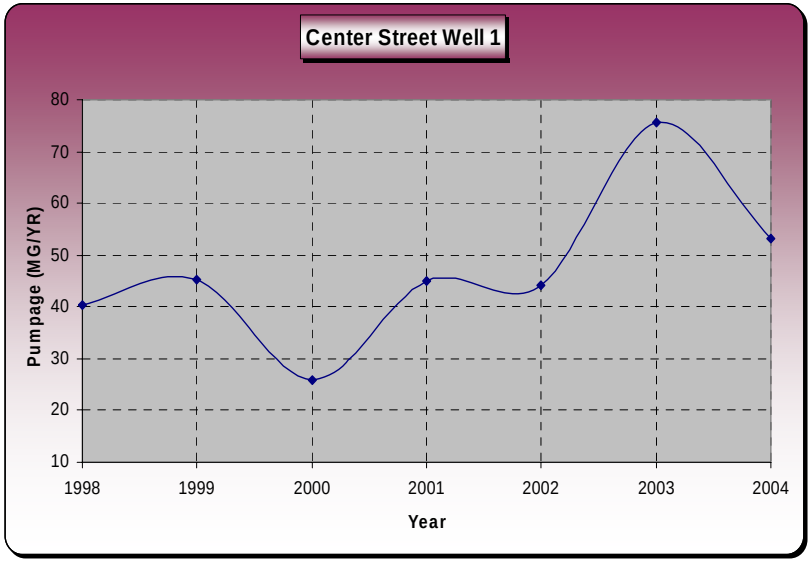
	Well #1	Well #2	Well #3	Well #4	2000	Total Gal			Well #1	Well #2	Well #3	Well #4	2001	Total Gal
	3031	665	6442	2690	Jan	12828			4087	530	6007	2643	Jan	13267
	3620	934	2055	4904	Feb	11513			3109	403	5473	2531	Feb	11516
	3936	996	3665	4961	Mar	13558			3740	572	6546	2371	Mar	13229
	2742	2605	6231	2613	Apr	14191			2966	549	7115	3273	Apr	13903
	2542	3631	6461	2341	May	14975			1802	617	8799	3511	May	14729
	3321	3365	7914	2422	Jun	17022			1018	3985	7883	3985	Jun	16871
	3151	3439	9341	3728	Jul	19659			4651	1028	10777	4177	Jul	20633
	549	116	10674	5944	Aug	17283			5988	992	9983	3546	Aug	20509
			10600	6811	Sep	17411			5206	679	7422	2904	Sep	16211
			9281	7019	Oct	16300			3642	487	7162	5206	Oct	16497
	919	413	7523	5344	Nov	14199			5022	537	5475	2980	Nov	14014
	2176	1018	7952	2889	Dec	14035			3840	508	6445	3271	Dec	14064
Total	25987	17182	88139	51666		182974		Total	45071	10887	89087	40398		185443

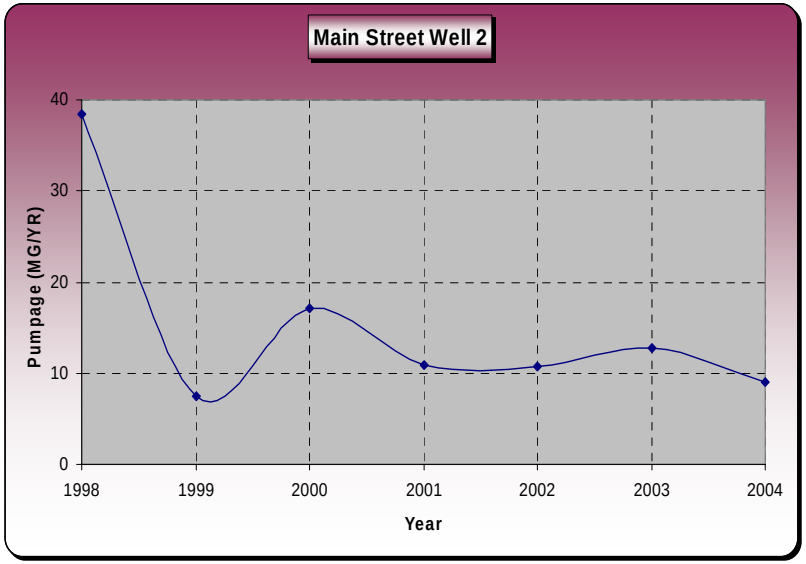
	Well #1	Well #2	Well #3	Well #4	2002	Total Gal			Well #1	Well #2	Well #3	Well #4	2003	Total Gal
	2065	326	6647	5430	Jan	14468			5302	896	5832	6455	Jan	18485
	2659	612	4854	4321	Feb	12446			4931	836	5077	6248	Feb	17092
	3834	842	5370	3862	Mar	13908			5713	955	5965	7248	Mar	19881
	4170	943	5042	5229	Apr	15384			5803	1032	5915	8694	Apr	21444
	4230	1095	5925	4748	May	15998			6350	1043	6879	7626	May	21898
	4567	1253	7043	4878	Jun	17741			7488	1254	8115	8958	Jun	25815
	5758	1429	9741	6825	Jul	23753			7552	1437	9300	12018	Jul	30307
	3788	837	7532	8805	Aug	20962			8427	1425	9056	10230	Aug	29138
	4161	717	4950	7082	Sep	16910			7329	1235	8366	9249	Sep	26179
	4859	840	4165	6908	Oct	16772			5689	956	6852	10627	Oct	24124
	1149	892	4802	8265	Nov	15108			5384	813	7114	7997	Nov	21308
	3021	1011	7297	5851	Dec	17180			5631	931	6981	9032	Dec	22575
Total	44261	10797	73368	72204		200630		Total	75599	12813	85452	104382		278246

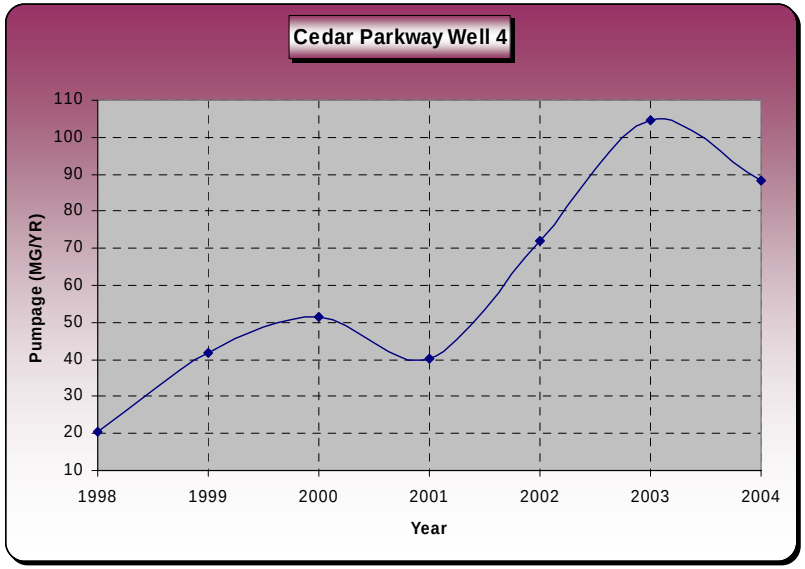
	Well #1	Well #2	Well #3	Well #4	2004	Total Gal			Well #1	Well #2	Well #3	Well #4	2005	Total Gal
	5906	992	7673	9153	Jan	23724			4055	652	4749	6629	Jan	16085
	4175	842	6629	10282	Feb	21928			3529	499	4257	5239	Feb	13524
	4154	670	4984	5998	Mar	15806			4085	659	5065	5210	Mar	15019
	4008	649	4225	7151	Apr	16033			4770	531	6280	5259	Apr	16840
	3801	658	4594	6001	May	15054			5372	804	8855	2243	May	17274
	4023	697	5010	6497	Jun	16227			6529	1018	9112	8001	Jun	24660
	5015	843	6259	7624	Jul	19741			5437	824	6822	10017	Jul	23100
	4797	788	5757	7620	Aug	18962			6012	1121	8161	8696	Aug	23990
	4814	798	5958	7459	Sep	19029			11013	1482	9418	0	Sep	21913
	4538	775	4872	7904	Oct	18089			7823	662	4851	6319	Oct	19655
	3574	680	4139	6978	Nov	15371			7413	698	3364	4564	Nov	16039
	4293	702	5353	5697	Dec	16045			3233	785	4546	6552	Dec	15116
Total	53098	9094	65453	88364		216009		Total	69271	9735	75480	68729		223215

* all totals are x 1000 Gallons

Table D-1
Annual Well Production







Village of Jackson Wells - 2006 Energy Usage Breakdown and Analysis

2006.08.01

Bonestroo, Rosene, Anderlik & Assoc.

Facility	Use Type	Electricity or Gas	Start - Act. Or Est.	Start Date	Start Reading	End - Act. Or Est.	End Date	End Reading	kWh Cons. or kW Demand	Therms (adj.)	Base Charges	Usage Charges	**Total Charges** -(and % of Elec.)	**1000 gals. Pumped**	**Electric Usage $ cost / 1000 gals.**	**Total $/1000**
Well 1	Total	E	a	12/17/2004	58,085	e	1/20/2005	66,161	8,076		$ 26.42	$ 675.56	$ 701.98			
Well 1	Total	G	a	12/1672004	1,315	a	1/19/2005	1,381		76	$ 15.00	$ 66.84	$ 81.84			
Well 1	Total	E	e	1/20/2005	66,161	a	2/18/2005	69,158	2,997		$ 26.42	$ 200.70	$ 227.12			
Well 1	Total	G	a	1/19/2005	1,381	a	2/17/2005	1,424	.	50	$ 15.00	$ 42.65	$ 57.65			
														3,915.0	$0.05	**$0.07**
Well 1	Total	E	a	2/18/2005	69,158	e	3/21/2005	75,719	6,561		$ 26.42	$ 551.65	$ 578.07			
Well 1	Total	G	a	2/17/2005	1,424	a	3/18/2005	1,469		51	$ 15.00	$ 42.60	$ 57.60			
														7,738.0	$0.11	**$0.13**
Well 1	Total	E	e	3/21/2005	75,719	a	4/18/2005	79,535	3,816		$ 26.42	$ 336.19	$ 362.61			
Well 1	Total	G	a	3/18/2005	1,469	a	4/19/2005	1,489	.	22	$ 15.00	$ 19.33	$ 34.33			
Well 1	Total	E	a	4/18/2005	79,535	e	5/19/2005	85,354	5,819		$ 26.42	$ 512.65	$ 539.07			
Well 1	Total	G	a	4/19/2005	1,489	a	5/20/2005	1,504		17	$ 15.00	$ 14.48	$ 29.48			
														11,392.0	$0.11	**$0.12**
Well 1	Total	E	e	5/19/2005	85,354	a	6/16/2005	93,878	8,524		$ 26.42	$ 772.35	$ 798.77			
Well 1	Total	G	a	5/20/2005	1,504	a	6/19/2005	1,504	.	-	$ 15.00	$ -	$ 15.00			
Well 1	Total	E	a	6/16/2005	93,878	e	7/20/2005	106,511	12,633		$ 27.35	$ 1,144.68	$ 1,172.03			
Well 1	Total	G	a	6/19/2005	1,504	e	7/19/2005	1,510		7	$ 15.00	$ 5.46	$ 20.46			
														11,679.0	$0.12	**$0.13**
Well 1	Total	E	e	7/20/2005	6,511	a	8/18/2005	9,467	2,956		$ 27.35	$ 267.85	$ 295.20			
Well 1	Total	G	a	7/19/2005	1,510	a	8/17/2005	1,512	.	2	$ 15.00	$ 1.65	$ 16.65			
Well 1	Total	E	a	8/18/2005	9,467	e	9/19/2005	16,303	6,836		$ 27.35	$ 619.41	$ 646.76			
Well 1	Total	G	a	8/17/2005	1,512	a	9/16/2005	1,516		4	$ 15.00	$ 3.78	$ 18.78			
														17,524.0	$0.11	**$0.11**
Well 1	Total	E	e	9/19/2005	16,303	a	10/14/2005	30,563	14,260		$ 27.35	$ 1,292.10	$ 1,319.45			
Well 1	Total	G	a	9/16/2005	1,516	a	10/17/2005	1,513	.	-	$ 15.00	$ (2.73)	$ 12.27			
Well 1	Total	E	a	10/14/2005	30,563	e	11/16/2005	37,765	7,202		$ 27.35	$ 652.57	$ 679.92			
Well 1	Total	G	a	10/17/2005	1,513	a	11/15/2005	1,513		-	$ 15.00	$ -	$ 15.00			
														14,353.0	$0.12	**$0.13**
Well 1	Total	E	e	11/16/2005	37,765	a	12/19/2005	49,722	11,957		$ 27.35	$ 1,088.04	$ 1,115.39			
Well 1	Total	G	a	11/15/2005	1,513	a	12/16/2005	1,539	.	30	$ 15.00	$ 35.15	$ 50.15			
Well 1	Total	E	a	12/19/2005	49,722	e	1/19/2006	55,943	6,221		$ 27.35	$ 566.85	$ 594.20			
Well 1	Total	G	a	12/16/2005	1,539	a	1/18/2006	1,581		48	$ 15.00	$ 55.05	$ 70.05			
														296.5	$0.41	**$1.03**
Well 1	Total	E	e	1/19/2006	55,943	a	2/15/2006	51,059	(4,884)		$ 19.78	$ (444.28)	$ (424.50)	*(2 months comb. due to est. meter read)*		
Well 1	Total	G	a	1/18/2006	1,581	a	2/16/2006	1,623		48	$ 9.39	$ 56.16	$ 65.55			
Well 1	Total	E	a	2/15/2006	51,059	e	3/20/2006	57,565	6,506		$ 22.93	$ 649.82	$ 672.75			
Well 1	Total	G	a	2/16/2006	1,623	a	3/17/2006	1,662		45	$ 7.25	$ 50.38	$ 57.63			
														6,191.8	$0.12	**$0.14**
Well 1	Total	E	e	3/20/2006	57,565	a	4/18/2006	58,507	942		$ 18.46	$ 94.09	$ 112.55	*(2 months comb. due to est. meter read)*		
Well 1	Total	G	a	3/17/2006	1,662	a	4/18/2006	1,681		21	$ 8.00	$ 22.65	$ 30.65			

Facility	Use Type	Electricity or Gas	Start - Act. Or Est.	Start Date	Start Reading	End - Act. Or Est.	End Date	End Reading	kWh Cons. or kW Demand	Therms (adj.)	Base Charges	Usage Charges	Total Charges -(and % of Elec.)		1000 gals. Pumped	Electric Usage $ cost / 1000 gals.	Total $/1000
Well 2	Total	E	e	1/20/2005	62,217	a	2/18/2005	62,639	422		$ 23.41	$ 35.30	$ 58.71				
Well 2	Total	G	a	1/19/2005	9,346	a	2/17/2005	9,418	.	74	$ 15.00	$ 63.12	$ 78.12				
															571.0	$0.06	**$0.24**
Well 2	Total	E	a	2/18/2005	62,639	e	3/21/2005	64,120	1,481		$ 26.09	$ 124.53	$ 150.62				
Well 2	Total	G	a	2/17/2005	9,418	a	3/18/2005	9,486		70	$ 15.00	$ 58.46	$ 73.46				
															1,265.0	$0.16	**$0.29**
Well 2	Total	E	e	3/21/2005	64,120	a	4/18/2005	64,959	839		$ 24.57	$ 73.92	$ 98.49				
Well 2	Total	G	a	3/18/2005	9,486	a	4/19/2005	9,525	.	39	$ 15.00	$ 34.26	$ 49.26				
Well 2	Total	E	a	4/18/2005	64,959	e	5/19/2005	66,284	1,325		$ 25.85	$ 116.73	$ 142.58				
Well 2	Total	G	a	4/19/2005	9,525	a	5/20/2005	9,549		24	$ 15.00	$ 20.43	$ 35.43				
															1,498.0	$0.17	**$0.24**
Well 2	Total	E	e	5/19/2005	66,284	a	6/16/2005	67,801	1,517		$ 26.42	$ 137.45	$ 163.87				
Well 2	Total	G	a	5/20/2005	9,549	a	6/19/2005	9,557	.	8	$ 15.00	$ 6.25	$ 21.25				
Well 2	Total	E	a	6/16/2005	67,801	e	7/20/2005	70,788	2,987		$ 27.35	$ 270.65	$ 298.00				
Well 2	Total	G	a	6/19/2005	9,557	e	7/19/2005	9,565		8	$ 15.00	$ 6.21	$ 21.21				
															1,777.0	$0.17	**$0.22**
Well 2	Total	E	e	7/20/2005	70,788	a	8/18/2005	71,177	389		$ 23.41	$ 35.25	$ 58.66				
Well 2	Total	G	a	7/19/2005	9,565	a	8/17/2005	9,571	.	6	$ 15.00	$ 4.98	$ 19.98				
Well 2	Total	E	a	8/18/2005	71,177	e	9/19/2005	72,994	1,817		$ 27.29	$ 164.64	$ 191.93				
Well 2	Total	G	a	8/17/2005	9,571	a	9/16/2005	9,579		8	$ 15.00	$ 7.56	$ 22.56				
															2,708.0	$0.17	**$0.21**
Well 2	Total	E	e	9/19/2005	72,994	a	10/14/2005	76,205	3,211		$ 27.35	$ 290.95	$ 318.30				
Well 2	Total	G	a	9/16/2005	9,579	a	10/17/2005	9,588	.	9	$ 15.00	$ 10.27	$ 25.27				
Well 2	Total	E	a	10/14/2005	76,205	e	11/16/2005	77,613	1,408		$ 26.18	$ 127.58	$ 153.76				
Well 2	Total	G	a	10/17/2005	9,588	a	11/15/2005	9,616		28	$ 15.00	$ 34.25	$ 49.25				
															1,267.0	$0.19	**$0.34**
Well 2	Total	E	e	11/16/2005	77,613	a	12/19/2005	78,787	1,174		$ 25.56	$ 106.84	$ 132.40				
Well 2	Total	G	a	11/15/2005	9,616	a	12/16/2005	9,687	.	72	$ 15.00	$ 84.35	$ 99.35				
Well 2	Total	E	a	12/19/2005	78,787	e	1/19/2006	80,173	1,386		$ 26.14	$ 126.29	$ 152.43				
Well 2	Total	G	a	12/16/2005	9,687	a	1/18/2006	9,764		78	$ 15.00	$ 89.45	$ 104.45				
															1,014.5	$0.18	**$0.42**
Well 2	Total	E	e	1/19/2006	80,173	a	2/16/2006	80,799	626		$ 18.42	$ 61.09	$ 79.51		*(2 months comb. due to est. meter read)*		
Well 2	Total	G	a	1/18/2006	9,764	a	2/16/2006	9,830		67	$ 9.39	$ 78.41	$ 87.80				
Well 2	Total	E	a	2/16/2006	80,799	e	3/20/2006	82,292	1,493		$ 22.27	$ 149.12	$ 171.39				
Well 2	Total	G	a	2/16/2006	9,830	a	3/17/2006	9,890		62	$ 7.25	$ 69.40	$ 76.65				
															1,257.9	$0.20	**$0.34**
Well 2	Total	E	e	3/20/2006	82,292	a	4/18/2006	83,357	1,065		$ 18.83	$ 106.37	$ 125.20		*(2 months comb. due to est. meter read)*		
Well 2	Total	G	a	3/17/2006	9,890	a	4/18/2006	9,929		39	$ 8.00	$ 42.06	$ 50.06				

Facility	Use Type	Electricity or Gas	Start - Act. Or Est.	Start Date	Start Reading	End - Act. Or Est.	End Date	End Reading	kWh Cons. or kW Demand	Therms (adj.)	Base Charges	Usage Charges	Total Charges -(and % of Elec.)		1000 gals. Pumped	Electric Usage $ cost / 1000 gals.	Total $/1000
Well 3					*(no gas at wellhouse)*												
Well 3	On-Peak Cons.	E	a	1/6/2005	71,577	a	2/7/2005	75,812	4,235			$ 269.73	24%				
Well 3	Peak Demand	E				a			79.60			$ 342.44	31%				
Well 3	Off-Peak Cons.	E	a			a			6,847			$ 436.09	39%				
Well 3	Total	E	a		80,018	a		91,100	11,082		$ 59.30	$ 1,048.26	$ 1,107.56		5,111.0	$0.21	**$0.22**
Well 3	On-Peak Cons.	E	a	2/7/2005	75,812	a	3/9/2005	79,706	3,894			$ 248.01	25%				
Well 3	Peak Demand	E				a			75.10			$ 321.28	32%				
Well 3	Off-Peak Cons.	E	a			a			5,880			$ 374.49	37%				
Well 3	Total	E	a		91,100	a		874	9,774		$ 59.30	$ 943.78	$ 1,003.08		4,745.0	$0.20	**$0.21**
Well 3	On-Peak Cons.	E	a	3/9/2005	79,706	a	4/6/2005	82,731	3,025			$ 201.79	23%				
Well 3	Peak Demand	E				a			75.00			$ 299.25	34%				
Well 3	Off-Peak Cons.	E	a			a			4,898			$ 326.74	37%				
Well 3	Total	E	a		874	a		8,797	7,932		$ 59.30	$ 827.78	$ 887.08		4,355.0	$0.19	**$0.20**
Well 3	On-Peak Cons.	E	a	4/6/2005	82,731	a	5/6/2005	87,166	4,435			$ 302.19	27%				
Well 3	Peak Demand	E				a			73.80			$ 329.89	30%				
Well 3	Off-Peak Cons.	E	a			a			6,195			$ 422.13	38%				
Well 3	Total	E	a		8,797	a		19,427	10,630		$ 59.30	$ 1,054.21	$ 1,113.51		7,369.0	$0.14	**$0.15**
Well 3	On-Peak Cons.	E	a	5/6/2005	87,166	a	6/6/2005	91,616	4,450			$ 306.09	25%				
Well 3	Peak Demand	E				a			69.50			$ 332.27	27%				
Well 3	Off-Peak Cons.	E	a			a			7,847			$ 539.75	44%				
Well 3	Total	E	a		19,427	a		31,724	12,297		$ 59.30	$ 1,178.11	$ 1,237.41		8,888.0	$0.13	**$0.14**
Well 3	On-Peak Cons.	E	a	6/6/2005	91,616	a	7/8/2005	97,232	5,616			$ 388.90	29%				
Well 3	Peak Demand	E				a			70.10			$ 372.94	28%				
Well 3	Off-Peak Cons.	E	a			a			7,298			$ 505.39	38%				
Well 3	Total	E	a		31,724	a		44,638	12,914		$ 62.25	$ 1,267.23	$ 1,329.48		8,652.0	$0.15	**$0.15**
Well 3	On-Peak Cons.	E	a	7/8/2005	97,232	a	8/4/2005	1,344	4,112			$ 284.76	27%				
Well 3	Peak Demand	E				a			69.90			$ 336.64	32%				
Well 3	Off-Peak Cons.	E	a			a			5,548			$ 384.20	36%				
Well 3	Total	E	a		44,638	a		54,298	9,660		$ 62.25	$ 1,005.60	$ 1,067.85		5,819.0	$0.17	**$0.18**
Well 3	On-Peak Cons.	E	a	8/4/2005	1,344	a	9/2/2005	5,994	4,650			$ 322.01	27%				
Well 3	Peak Demand	E				a			69.50			$ 348.07	29%				
Well 3	Off-Peak Cons.	E	a			a			6,551			$ 453.65	38%				
Well 3	Total	E	a		54,298	a		65,499	11,201		$ 62.25	$ 1,123.73	$ 1,185.98		8,529.0	$0.13	**$0.14**
Well 3	On-Peak Cons.	E	a	9/2/2005	5,994	a	10/4/2005	8,029	2,035			$ 140.92	10%				
Well 3	Peak Demand	E				a			69.60			$ 285.08	21%				
Well 3	Off-Peak Cons.	E	a			a			12,385			$ 857.66	64%				
Well 3	Total	E	a		65,499	a		79,919	14,420		$ 62.25	$ 1,283.66	$ 1,345.91		9,658.0	$0.13	**$0.14**
Well 3	On-Peak Cons.	E	a	10/4/2005	8,029	a	11/2/2005	8,714	685			$ 47.44	6%				
Well 3	Peak Demand	E				a			69.40			$ 252.62	34%				
Well 3	Off-Peak Cons.	E	a			a			5,397			$ 373.74	51%				
Well 3	Total	E	a		79,919	a		86,001	6,082		$ 62.25	$ 673.80	$ 736.05		3,927.0	$0.17	**$0.19**
Well 3	On-Peak Cons.	E	a	11/2/2005	8,714	a	12/6/2005	10,156	1,442			$ 99.90	10%				
Well 3	Peak Demand	E				a			68.50			$ 270.33	28%				
Well 3	Off-Peak Cons.	E	a			a			7,641			$ 529.38	55%				
Well 3	Total	E	a		86,001	a		95,084	9,083		$ 62.25	$ 899.61	$ 961.86		3,664.0	$0.25	**$0.26**
Well 3	On-Peak Cons.	E	a	12/6/2005	10,156	a	1/6/2006	12,833	2,677			$ 185.63	16%				
Well 3	Peak Demand	E				a	12/22/2005		74.70			$ 327.49	28%				
Well 3	Off-Peak Cons.	E	a	12/6/2005		a	1/6/2006		8,459			$ 586.54	50%				
Well 3	Total	E	a	12/6/2005	95,084	a	1/6/2006	6,220	11,136		$ 62.25	$ 1,099.66	$ 1,161.91		5,067.5	$0.22	**$0.23**
Well 3	On-Peak Cons.	E	a	1/6/2006	12,833	a	2/6/2006	16,622	3,789			$ 275.27	22%				
Well 3	Peak Demand	E				a	1/24/2006		74.60			$ 329.38	26%				
Well 3	Off-Peak Cons.	E	a	1/6/2006		a	2/6/2006		8,124			$ 590.21	47%				
Well 3	Total	E	a	1/6/2006	6,220	a	2/6/2006	18,133	11,913		$ 62.57	$ 1,194.86	$ 1,257.43		6,311.5	$0.19	**$0.20**
Well 3	On-Peak Cons.	E	a	2/6/2006	16,622	a	3/6/2006	20,298	3,676			$ 289.19	24%				
Well 3	Peak Demand	E				a	2/6/2006		79.40			$ 290.27	24%				
Well 3	Off-Peak Cons.	E	a	2/6/2006		a	3/6/2006		7,062			$ 555.57	47%		5,609.0	$0.10	**$0.21**
Well 3	Total	E	a	2/6/2006	18,133	a	3/6/2006	28,871	10,738		$ 58.56	$ 1,135.03	$ 1,193.59				
Well 3	On-Peak Cons.	E	a	3/6/2006	20,298	a	4/4/2006	24,742	4,444			$ 349.61	32%				
Well 3	Peak Demand	E				a	4/3/2006		75.70			$ 308.67	28%				
Well 3	Off-Peak Cons.	E	a	3/6/2006		a	4/4/2006		4,888			$ 384.54	35%		5,231.2	$0.07	**$0.21**
Well 3	Total	E	a	3/6/2006	28,871	a	4/4/2006	38,203	9,332		$ 60.08	$ 1,042.82	$ 1,102.90				

Facility	Use Type	Electricity or Gas	Start - Act. Or Est.	Start Date	Start Reading	End - Act. Or Est.	End Date	End Reading	kWh Cons. or kW Demand	Therms (adj.)	Base Charges	Usage Charges	Total Charges -(and % of Elec.)	1000 gals. Pumped	Electric Usage $ cost / 1000 gals.	Total $/1000
Well 4	On-Peak Cons.	E	a	12/15/2004	3,815	a	1/17/2005	3,899	6,720			$ 428.00	26%			
Well 4	Peak Demand	E				a			148.00			$ 608.28	36%			
Well 4	Off-Peak Cons.	E	a			a			9,040			$ 575.76	34%			
Well 4	Total	E	a		9,459	a		9,656	15,760		$ 59.30	$ 1,612.04	$ 1,671.34			
Well 4	Total	G	a		8,580	a		8,871		336	$ 15.00	$ 296.77	$ 311.77			
Well 4	On-Peak Cons.	E	a	1/17/2005	3,899	a	2/16/2005	3,971	5,760			$ 366.85	24%			
Well 4	Peak Demand	E				a			148.00			$ 586.97	38%			
Well 4	Off-Peak Cons.	E	a			a			8,480			$ 540.09	35%			
Well 4	Total	E	a		9,656	a		9,834	14,240		$ 59.30	$ 1,493.91	$ 1,553.21			
Well 4	Total	G	a		8,871	a		9,133		302	$ 15.00	$ 257.53	$ 272.53	6,340.0		**$0.29**
Well 4	On-Peak Cons.	E	a	2/16/2005	3,971	a	3/16/2005	4,020	3,920			$ 249.66	19%			
Well 4	Peak Demand	E				a			148.00			$ 540.79	40%			
Well 4	Off-Peak Cons.	E	a			a			7,760			$ 494.23	37%			
Well 4	Total	E	a		9,834	a		9,980	11,680		$ 59.30	$ 1,284.68	$ 1,343.98			
Well 4	Total	G	a		9,133	a		9,344		243	$ 15.00	$ 203.34	$ 218.34	4,924.0		**$0.32**
Well 4	On-Peak Cons.	E	a	3/16/2005	4,020	a	4/14/2005	4,069	3,920			$ 265.90	20%			
Well 4	Peak Demand	E				a			148.00			$ 540.79	40%			
Well 4	Off-Peak Cons.	E	a			a			6,960			$ 472.12	35%			
Well 4	Total	E	a		9,980	a		10,116	10,880		$ 59.30	$ 1,278.81	$ 1,338.11			
Well 4	Total	G	a		9,344	a		9,461		132	$ 15.00	$ 114.42	$ 129.42	4,301.0		**$0.34**
Well 4	On-Peak Cons.	E	a	4/14/2005	4,069	a	5/16/2005	4,128	4,720			$ 321.62	25%			
Well 4	Peak Demand	E				a			148.00			$ 562.10	44%			
Well 4	Off-Peak Cons.	E	a			a			4,800			$ 327.06	26%			
Well 4	Total	E	a		10,116	a		10,235	9,520		$ 59.30	$ 1,210.78	$ 1,270.08			
Well 4	Total	G	a		9,461	a		9,539		87	$ 15.00	$ 75.31	$ 90.31	3,464.0		**$0.39**
Well 4	On-Peak Cons.	E	a	5/16/2005	4,128	a	6/14/2005	4,189	4,880			$ 337.38	23%			
Well 4	Peak Demand	E				a			145.60			$ 608.28	42%			
Well 4	Off-Peak Cons.	E	a			a			6,480			$ 447.99	31%			
Well 4	Total	E	a		10,235	a		10,377	11,360		$ 59.30	$ 1,393.65	$ 1,452.95			
Well 4	Total	G	a		9,539	a		9,544		6	$ 15.00	$ 4.71	$ 19.71	5,088.0		**$0.29**
Well 4	On-Peak Cons.	E	a	6/14/2005	4,189	a	7/15/2005	4,301	8,960			$ 620.47	28%			
Well 4	Peak Demand	E				a			144.00			$ 703.87	31%			
Well 4	Off-Peak Cons.	E	a			a			12,400			$ 858.70	38%			
Well 4	Total	E	a		10,377	a		10,644	21,360		$ 62.25	$ 2,183.04	$ 2,245.29			
Well 4	Total	G	a		9,544	a		9,547		3	$ 15.00	$ 2.33	$ 17.33	9,807.0		**$0.23**
Well 4	On-Peak Cons.	E	a	7/15/2005	4,301	a	8/15/2005	4,401	8,000			$ 554.00	24%			
Well 4	Peak Demand	E				a			144.00			$ 683.14	30%			
Well 4	Off-Peak Cons.	E	a			a			13,920			$ 963.96	43%			
Well 4	Total	E	a		10,644	a		10,918	21,920		$ 62.25	$ 2,201.10	$ 2,263.35			
Well 4	Total	G	a		9,547	a		9,575		31	$ 15.00	$ 25.50	$ 40.50	10,056.0		**$0.23**
Well 4	On-Peak Cons.	E	a	8/15/2005	4,401	a	9/14/2005	4,464	5,040			$ 349.03	25%			
Well 4	Peak Demand	E				a			143.20			$ 607.17	43%			
Well 4	Off-Peak Cons.	E	a			a			5,760			$ 398.88	28%			
Well 4	Total	E	a		10,918	a		11,053	10,800		$ 62.25	$ 1,355.08	$ 1,417.33			
Well 4	Total	G	a		9,575	a		9,578		3	$ 15.00	$ 2.80	$ 17.80	4,006.0		**$0.36**
Well 4	On-Peak Cons.	E	a	9/14/2005	4,464	a	10/13/2005	4,474	800			$ 55.39	10%			
Well 4	Peak Demand	E				a			40.80			$ 158.30	29%			
Well 4	Off-Peak Cons.	E	a			a			4,000			$ 277.00	50%			
Well 4	Total	E	a		11,053	a		11,113	4,800		$ 62.25	$ 490.69	$ 552.94			
Well 4	Total	G	a		9,578	a		9,584		7	$ 15.00	$ 7.83	$ 22.83	1,542.0		**$0.37**
Well 4	On-Peak Cons.	E	a	10/13/2005	4,474	a	11/11/2005	4,505	2,480			$ 171.74	11%			
Well 4	Peak Demand	E				a			139.20			$ 533.41	35%			
Well 4	Off-Peak Cons.	E	a			a			10,960			$ 758.97	50%			
Well 4	Total	E	a		11,113	a		11,281	13,440		$ 62.25	$ 1,464.12	$ 1,526.37			
Well 4	Total	G	a		9,584	a		9,756		193	$ 15.00	$ 237.16	$ 252.16	6,371.0		**$0.28**
Well 4	On-Peak Cons.	E	a	11/11/2005	4,505	a	12/14/2006	4,521	1,280			$ 88.71	6%			
Well 4	Peak Demand	E				a			140.00			$ 516.42	36%			
Well 4	Off-Peak Cons.	E	a			a			11,120			$ 770.66	54%			
Well 4	Total	E	a		11,281	a		11,436	12,400		$ 62.25	$ 1,375.79	$ 1,438.04			
Well 4	Total	G	a		9,756	a		9,974		249	$ 15.00	$ 293.08	$ 308.08	5,290.0		**$0.33**
Well 4	On-Peak Cons.	E	a	12/14/2005	4,521	a	1/16/2006	4,572	4,080			$ 282.91	15%			
Well 4	Peak Demand	E				a	1/10/2006		140.80			$ 593.61	31%			
Well 4	Off-Peak Cons.	E	a	12/14/2005		a	1/16/2006		14,320			$ 992.95	51%	8,386.0	$0.12	**$0.26**
Well 4	Total	E	a	12/14/2005	11,436	a	1/16/2006	11,666	18,400		$ 62.25	$ 1,869.47	$ 1,931.72			
Well 4	Total	G	a	12/14/2005	9,974	a	1/16/2006	10,180		235	$ 15.00	$ 269.32	$ 284.32			
Well 4	On-Peak Cons.	E	a	1/16/2006	4,572	a	2/14/2006	4,630	4,640			$ 350.10	19%			
Well 4	Peak Demand	E				a	1/16/2006		140.00			$ 504.79	28%			
Well 4	Off-Peak Cons.	E	a	1/16/2006		a	2/14/2006		11,680			$ 881.28	49%	7,358.5	$0.12	**$0.28**
Well 4	Total	E	a	1/16/2006	11,666	a	2/14/2006	11,870	16,320		$ 60.83	$ 1,736.17	$ 1,797.00			
Well 4	Total	G	a	1/16/2006	10,180	a	2/14/2006	10,364		210	$ 9.92	$ 245.88	$ 255.80			
Well 4	On-Peak Cons.	E	a	2/14/2006	4,630	a	3/16/2006	4,692	4,960			$ 390.20	26%			
Well 4	Peak Demand	E				a	2/14/2006		140.80			$ 464.47	30%			
Well 4	Off-Peak Cons.	E	a	2/14/2006		a	3/16/2006		7,760			$ 610.48	40%	5,473.0	$0.11	**$0.33**
Well 4	Total	E	a	2/14/2006	11,870	a	3/16/2006	12,029	12,720		$ 61.61	$ 1,465.15	$ 1,526.76			
Well 4	Total	G	a	2/14/2006	10,364	a	3/16/2006	10,585		254	$ 7.50	$ 284.89	292.39			
Well 4	On-Peak Cons.	E	a	3/16/2006	4,692	a	4/13/2006	4,701	720			$ 56.64	4%			
Well 4	Peak Demand	E				a	4/7/2006		14.40			$ 54.52	4%			
Well 4	Off-Peak Cons.	E	a	3/16/2006		a	4/13/2006		15,040			$ 1,183.20	87%	5,657.8	$0.21	**$0.24**
Well 4	Total	E	a	3/16/2006	12,029	a	4/13/2006	12,226	15,760		$ 58.56	$ 1,294.36	$ 1,352.92			
Well 4	Total	G			*(no gas bill provided)*											

Appleton

CORPORATE
2400 Holly Road Neenah, WI 54956
Tel: 920.734.1601 Fax: 920.734.1622

BRANCH
6510 Aurora Road West Bend, WI 53090
Tel: 262.299.1601 Fax: 262.299.1622

PROPOSAL

PROPOSAL #:
PROPOSAL DATE: 11/07/13
CUSTOMER #:

CLIENT	JOB LOCATION
Brian W. Kober **Village of Jackson** PO Box 637 Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com	Brian W. Kober **Village of Jackson** Main St/Cedar Pkwy Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com

QTY	DESCRIPTION	TAX	UNIT PRICE	TOTAL
	Permit fee: Billed at cost per municipality — List municipality here (if known) or delete	N		$ -
	Permit fee: Billed at cost per municipality — List municipality here (if known) or delete	N		$ -
	Permit obtainment and processing	Y		$ -
1	Produce new bolt for existing monument sign.		$ 7,550.00	$ 7,550.00
	First trip:			$ -
	Excavate 6' x 6' x 6' footing, haul away spoils.			$ -
	Set bolt cage, pour concrete.			$ -
	Second trip:			$ -
	Load existing monument sign, haul to site.			$ -
	Install monument sign on new bolt cage.			$ -
				$ -
	***DIGGERS & PRIVATE UTILTIES LOCATE BY VILLAGE of JACKSON			$ -
	***ELECTRICAL HOOKUP BY VILLAGE of JACKSON			$ -
				$ -
	OPTION: APPROXIMATE MONTHLY PYMT — RATE CHART 0.0435 — # OF PYMTS 36 — PER MONTH $ 328.43			

TERMS
- ☐ Prepay
- ☐ 50% down; Balance prior to shipment/installation
- ☐ Monthly payment* (subject to credit approval)
- ☐ Other - Requires approval; Describe or delete

Estimated lead time to ship/install your order is 6 weeks.

SUBTOTAL NON-TAXABLE	$ -
SUBTOTAL TAXABLE	$ 7,550.00
TAX RATE	
SALES TAX	$ -
FREIGHT	$ -
TOTAL	$ 7,550.00

The prices, specifications, terms and conditions contained herein are satisfactory and hereby accepted.
Appleton Sign Company is authorized to do the work as described. Payment will be made in accordance with the terms herein.

Accepted for Appleton Sign _____

Sales Consultant (Print) _____

Date _____

Client Signature _____

Client Name (Print) VILLAGE OF JACKSON BRIAN W. KOBER

Date 11/8/2013

Appleton

CORPORATE
2400 Holly Road Neenah, WI 54956
Tel: 920.734.1601 Fax: 920.734.1622

BRANCH
6510 Aurora Road West Bend, WI 53090
Tel: 262.299.1601 Fax: 262.299.1622

Scope of Work

PROPOSAL #:
PROPOSAL DATE: 11/07/13
CUSTOMER #:

CLIENT	JOB LOCATION
Brian W. Kober **Village of Jackson** PO Box 637 Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com	Brian W. Kober **Village of Jackson** Main St/Cedar Pkwy Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com

THIS SCOPE OF WORK INCLUDES:

Produce new bolt for existing monument sign.

First trip:
Excavate 6' x 6' x 6' footing, haul away spoils.
Set bolt cage, pour concrete.

Second trip:
Load existing monument sign, haul to site.
Install monument sign on new bolt cage.

***DIGGERS & PRIVATE UTILTIES LOCATE BY VILLAGE of JACKSON

***ELECTRICAL HOOKUP BY VILLAGE of JACKSON

Sign project will be placed into production after receipt of all of the following: 1) signed proposal acceptance, 2) signed drawing approval, 3) down payment, and 4) permit approval. Approximately one week after receipt of these requirements, an estimated completion date will be communicated to the Client.

Any alteration or deviation from the above specifications will be executed only upon written change order(s), and may become an extra charge, to be paid by the Client, over and above the proposal amount.

Proposal amount based on planned-for materials and equipment. Final price may vary based on soil conditions, readiness of the site for all signs at once, clear unhindered access to site, no union-related costs, freight, rush projects, additional repairs, etc. No primary wiring, electrical hookup, engineering or inspections of any kind are included or implied except as described herein. All signs are wired at 120 volts unless otherwise specified in writing.

This proposal does not become effective until signed and dated by Appleton Sign Company and may be withdrawn if not accepted within sixty (60) days. Appleton Sign Company shall also be entitled to withdraw any proposal presented in error if evidence of a typographical, pricing and/or similar error is discovered that would significantly change the scope of work, price or other material portion of the proposal. In such instance as a proposal is withdrawn, Appleton Sign Company shall present a revised proposal. Client has no obligation to accept any revised proposal.

Appropriate sales tax will be applied to all orders. If your business or organization is tax exempt, please provide a current Sales and Use Tax Exemption Certificate.

ASC REP INITIALS _____

CLIENT INITIALS BWK

Appleton

CORPORATE
2400 Holly Road Neenah, WI 54956
Tel: 920.734.1601 Fax: 920.734.1622

BRANCH
6510 Aurora Road West Bend, WI 53090
Tel: 262.299.1601 Fax: 262.299.1622

Terms & Conditions

PROPOSAL #:
PROPOSAL DATE: 11/07/13
CUSTOMER #:

TERMS AND CONDITIONS

1. Both parties hereto agree and understand that the title to said sign, together with all property furnished pursuant to this Agreement, shall remain in Appleton Sign Company's possession until paid for in full. It is further agreed and understood that until this Agreement is paid in full, that said sign, together with any additions thereto, shall at all times be deemed personal property and shall not by reason of attachment or connection to any realty be deemed or become a fixture of appurtenance to such realty. Said sign shall be servable and removable from any realty in accordance with the provisions of this Agreement.

2. The Client shall have full responsibility for any parts and materials on its premises, or premises that Client will be occupying, and for the value of all services provided by Appleton Sign Company in respect thereto. At all times subsequent to delivery of any parts and materials to premises, the Client shall be fully liable for any damage or loss, whether or not said parts and materials are covered by insurance, and will not affect the rights of Appleton Sign Company to enforce the purchase price then unpaid.

3. The Client shall secure all necessary permits from the building owner, and/or others whose permission is required for the installation of the sign and said Client shall be liable for any obstruction of delivery due to delay in obtaining such permission, and if Client executes this contract of sale without ever obtaining permission from party or parties necessary for the installation of said sign, then Client purchases same and is bound to the terms and conditions of this contract as though Client had obtained said permission and Client agrees to relieve Appleton Sign Company from any liability for its failure within ten (10) days of delivery to erect or install said sign.

4. All sizes, dimensions, and elevations as shown on drawing(s) are an approximation only and are subject to variation based upon field measurements and standard component dimensions. Client agrees to provide service feed wire of suitable capacity and approved to location of display in advance of installation, and make connection thereof to display.

5. During the period in which construction and erection of said sign is in progress, Appleton Sign Company agrees to have its workers covered by worker's compensation insurance and further agrees to carry liability and property damage insurance covering injuries to or death of persons and damage to property as a result of accidents for which Appleton Sign Company is responsible. Insurance certificates will be furnished upon request.

6. Appleton Sign Company shall not be held responsible for delays due to accidents, strikes, war, natural disasters, inclement weather, or any other delays beyond our control.

7. When pier drilling is necessary, Appleton Sign Company will contact Digger's Hotline to locate public utilities. Location of private utilities is the sole responsibility of the Client. In the event poor ground conditions are encountered in the drilling process, to the point where special equipment is required, the Client may incur additional charges.

8. In the event building, soil, underground or overhead conditions or obstructions are encountered which impair installation of said sign, Client agrees to pay for all additional costs of installation attributed to such conditions or obstructions.

9. Appleton Sign Company will make repairs to walls, roof and roof coverings opened by Appleton Sign Company during installation of said sign. In making such repairs, Appleton Sign Company does not assume responsibility for re-bonding roof coverings installed by others.

10. All materials are to be as specified or of similar quality. All work will be completed in a workmanlike manner according to standard practices. Appleton Sign Company provides a limited warranty on sign products. This warranty covers ballasts, transformers and original workmanship for one (1) year from the original invoice date. Labor to replace ballasts and transformers will be warranted for ninety (90) days from the original invoice date. Lamps of any type and the labor to replace those lamps will be warranted for ninety (90) days from the original invoice date. This warranty excludes all damages caused by natural acts or vandalism. Unless otherwise agreed in writing, all warranties are null and void if final invoice is not paid within forty five (45) days from invoice date and/or if any service/maintenance work is performed and/or modifications are made to sign(s) or component(s) by any company or agent other than Appleton Sign Company.

11. Upon default for the payment of any sums herein agreed, Appleton Sign Company may, at its option, declare the balance fully due and payable without further notice to Client; and Client agrees to pay interest on said balance, when declared due at the rate of 1.5% per month on the unpaid balance, 18% annual rate. Client further agrees to pay all reasonable costs of collection of said balance incurred by Appleton Sign Company, including reasonable attorney's fees and court costs.

12. This document constitutes the entire Agreement and understanding between both parties and shall not be considered modified, altered, changed, or amended in any respect except as provided herein, unless in writing and signed by the duly authorized officers, employees, or owners of each party.

13. The invalidity or unenforceability of any particular provision of this Agreement shall not affect any other remaining provision(s) hereof and this Agreement shall be construed in all respects as if such invalid ur unenforceable provision(s) were omitted.

14. Both parties agree that any suits brought pursuant to this Agreement shall be brought in the courts of Winnebago County, Wisconsin.

15. To preserve our rights in the event of non-payment or delinquency as required under the Wisconsin Construction Lien Law, Appleton Sign Company (claimant) hereby notifies Client (owner) that persons or companies performing, furnishing, or procuring labor, services, materials, plans, or specifications for the construction on owner's land may have lien rights on owner's land and buildings if not paid.

16. Any payment/financing option is via a third party and Client will be subject to application, approval and additional terms and conditions with said third party. Any project contingent on third party financing shall not commence on approval or anticipated approval. Appleton Sign Company must be in receipt of all monies due prior to commencing work.

ASC REP INITIALS _____

CLIENT INITIALS BOK

Appleton

CORPORATE
2400 Holly Road Neenah, WI 54956
Tel: 920.734.1601 Fax: 920.734.1622

BRANCH
6510 Aurora Road West Bend, WI 53090
Tel: 262.299.1601 Fax: 262.299.1622

DEPOSIT INVOICE

INVOICE #: DP
INVOICE DATE: 11/07/13
CUSTOMER #:

CLIENT	JOB LOCATION
Brian W. Kober **Village of Jackson** PO Box 637 Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com	Brian W. Kober **Village of Jackson** Main St/Cedar Pkwy Jackson WI 53037 Ph: (262) 677-9001 Fx: (262) 677-9710 E: dirpubwks @ villageofjackson.com

ORDERED BY	PO NUMBER	SALES REP	ORDER DATE	TERMS	DUE DATE
Brian W. Kober		Dave Fischer	11/07/13	Per Proposal	11/07/13

QTY	DESCRIPTION	TAX	UNIT PRICE	TOTAL
	Permit fee: Billed at cost per municipality List municipality here (if known) or delete	N	$ -	$ -
	Permit fee: Billed at cost per municipality List municipality here (if known) or delete	N	$ -	$ -
	Permit obtainment and processing	Y	$ -	$ -
1	Produce new bolt for existing monument sign.		$ 7,550.00	$ 7,550.00
	First trip:		$ -	$ -
	Excavate 6' x 6' x 6' footing, haul away spoils.		$ -	$ -
	Set bolt cage, pour concrete.		$ -	$ -
	Second trip:		$ -	$ -
	Load existing monument sign, haul to site.		$ -	$ -
	Install monument sign on new bolt cage.		$ -	$ -
			$ -	$ -
	***DIGGERS & PRIVATE UTILTIES LOCATE BY VILLAGE of JACKSON		$ -	$ -
	***ELECTRICAL HOOKUP BY VILLAGE of JACKSON		$ -	$ -

Proposal amount based on planned-for materials and equipment. Final price may vary based on soil conditions, readiness of the site for all signs at once, clear unhindered access to the site, no union-related costs, freight, rush projects, additional repairs, etc. No electrical work, hookup, engineering or inspections of any kind are included or implied.

SUBTOTAL NON-TAXABLE	$ -
SUBTOTAL TAXABLE	$ 7,550.00
TAX RATE	0.0%
SALES TAX	$ -
FREIGHT	$ -
Final invoice amount may vary upon completion TOTAL	$ 7,550.00
PLEASE PAY THIS DEPOSIT AMOUNT	$ 3,775.00

100-00-51810

Brock

we energies

245 Sand Dr.
West Bend, WI 53095-5448
phone 262-338-7600 800-268-2060
fax 262-338-7646
www.we-energies.com

May 19, 2015

Village of Jackson -BRIAN KOBER
Po Box 637
Jackson, WI 53037-0000

THIS LETTER IS YOUR INVOICE FOR ELECTRIC SERVICE
W226N16780 Cedar Pkwy , V/Jackson, WI 53037-0000

Dear Village of Jackson -BRIAN KOBER,

With your returned service application, you are on your way to having electric service installed at your location.

Please confirm that the following electric service details are correct. If not, please call me right away.

Type:	New Service	Subdivision:	n/a
Class:	Underground	Lot #:	
Size:	100 amps	Work Request #: 3766907	(for internal use only)
Voltage:			

Your next steps are to:

1. *Send in payment for electric service installation.*
   - **The cost for electric service installation is: $2,434.19**
   - Additional charges will apply if installation is needed from December 1 through March 31.
   - We must receive your payment and electrical inspection before we can schedule your installation. Please include the service address with your payment, and send it to us in the enclosed envelope.
   - In the event we encounter unusual conditions during the installation of your service, there may be additional charges.
   - This amount is valid for 90 days from the date of this letter.
   - If an additional cost estimate is needed within 12 months, there will be a charge for preparing the new estimate.
2. *Sign and return one of the enclosed sketches:*
   - Review, sign and return an enclosed sketch in the envelope provided.
   - Draw and label any private underground facilities on the sketch.
   - We must receive your approved and signed sketch before step #3 below.
3. *Send or fax the* Ready for Service *card when the site is ready for electric service installation:*
   - Your construction site is ready for service when requirements 1-4 on the *Ready for Service* card are met.
   - When we receive your card, we will call you to discuss the installation.

4. Mark private underground facilities.
   - Locate and mark (with stakes, spray paint or flags) or expose any customer-owned underground obstructions or facilities.
   - If you are not sure what this includes, please call for more information.
   - We Energies and/or its agents will not be held responsible for damage to unmarked, private facilities.

Contact me for all of your electric installation needs.

I'm here to make sure your questions are answered and any concerns you have are addressed. On behalf of We Energies, I appreciate the opportunity to serve you and look forward to providing you with safe, reliable and reasonably-priced electricity.

Sincerely,

Lori Hoft
Sales Representative
Phone 262-338-7674; Fax 262-338-7646

we energies

ELEC WR **WB 3766907**

GAS WR

CITY / TOWN / VILLAGE: V/JACKSON

CUST/PROJ NAME: VILLAGE OF JACKSON

PROJECT LOCATION: W226N16780 CEDAR PARKWAY

WORK DESCRIPTION: NEW DB 100A 1PH 120/240V SERVICE

PREPARED BY: ARIELA DURAN

E-MAIL: ARIELA.DURAN@WE-ENERGIES.COM

OFFICE #: 262-338-4752 CELL #: 414-254-0158

PAGER #: IO #: 5475

PROJECT ID: CGS #:

DATE PREPARED: 5/4/2015 DATE REVISED:

COMMON INFORMATION

STAKING REQUIREMENTS:

- [X] SURVEYOR
- [ ] STAKED
- [ ] DESIGNER
- [ ] NOT NEEDED

MAIN / SERVICE IN EASEMENT:

- [ ] YES
- [ ] NO

RESTORE PRIVATE PROPERTY: [ ] WE ENERGIES [ ] CUSTOMER

WORK IS APPROX 100 FT, DIRECTION SOUTH OF CL OF STH 60 NEAREST CROSS STREET (ALSO FOR GAS SERVICE TEE)

ELECTRIC INFORMATION

OPER MAP #: 4032-7952-04 FEEDER/LINE #: Z33882

CATV JOINT USE #: TEL JOINT USE #:

PROPOSED GAS SERVICE INFORMATION

MTR SIZE: MTR TYPE:

SERV PIPE SIZE: MATERIAL:

MTR LOC: FT. OF CORNER

CONSTRUCTION TYPE:

- [ ] EFV
- [ ] RELIGHT
- [ ] CURB VLV
- [ ] TIE IN PIPING

NORTH NOT TO SCALE

NOT FIELD VERIFIED
Z33882

JOB INFO:

SECTION / TOWN / RANGE: NE1/4 SEC24, T10N, R19E

SITE VISIT COMPLETED BY: ARIELA DURAN

JOB OWNER: LOFI HOFT 262-338-7674

MAIN CONTACTS

- [ ] CONTRACTOR/BUILDER:
- [ ] PLUMBER/ HVAC:
- [ ] ELECTRICIAN:
- [X] CUSTOMER: BRIAN KOBER 262-677-9001

CONTINGENCIES & COMMENTS:

DIGGERS HOTLINE DIG REQUIRED.

WE ENERGIES WILL NOT RESTORE .

WE ENERGIES WILL NOT HAUL SPOIL.

CUSTOMER IS REQUIRED TO LOCATE ALL PRIVATE UNDERGROUND FACILITIES PRIOR TO INSTALLATION.

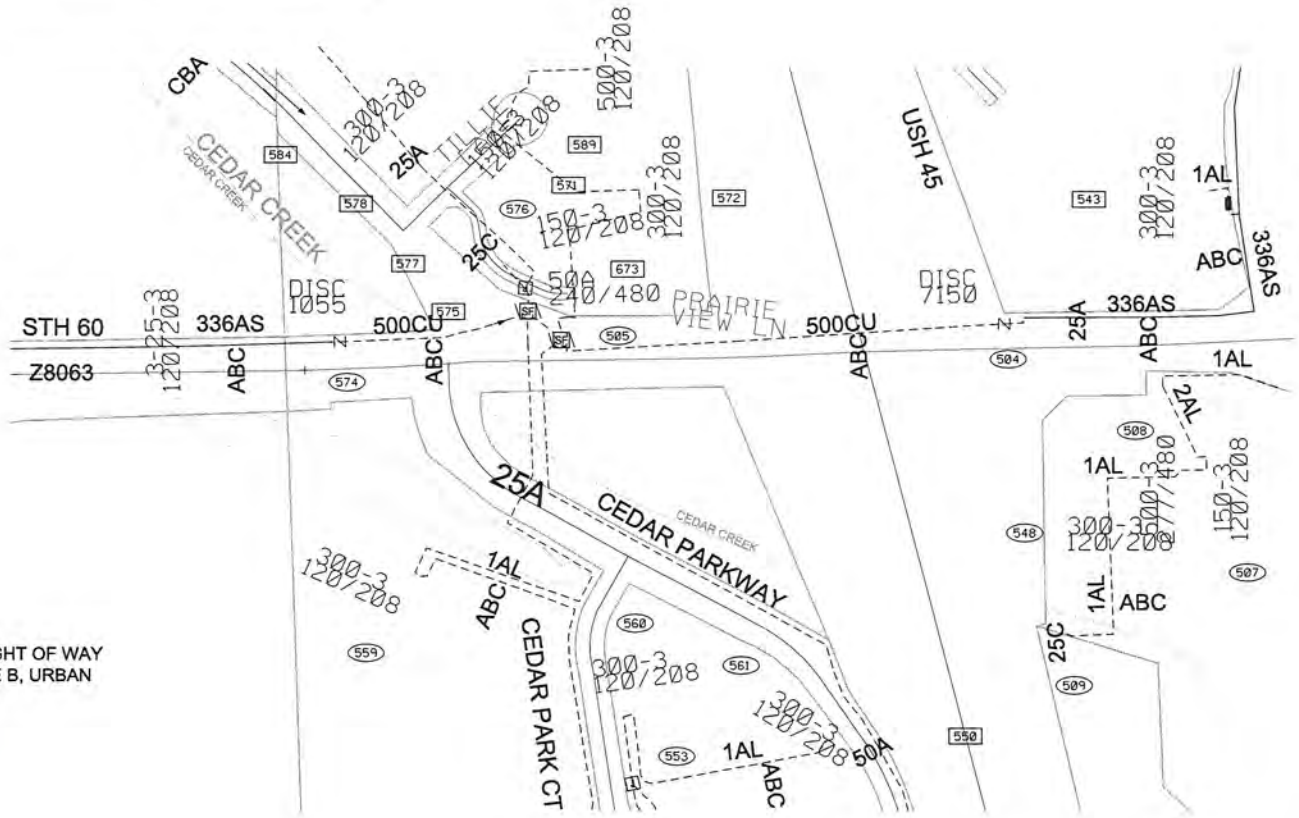
WE ENERGIES IS NOT RESPONSIBLE FOR ROOT DAMAGE

CONSTRUCTION REMARKS:

*KEEP A MINIMUM OF 5' AWAY BETWEEN PRIMARY

*RESTORE ALL DISTURBED AREAS WITHING THE ROAD RIGHT OF WAY WITH PERMANENT SEED AND EROSION MAT CLASS I, TYPE B, URBAN

CUSTOMER'S SIGNATURE OF APPROVAL *DATE*



SHEET NO. 1 OF 3

5/15/2015 2:46:29 PM U:\Data\@Work Management\Northern\Wbsc\@WBSC 3760000 - 3779999\3766907\3766907.dgn

we energies

ELEC WR **WB 3766907**

GAS WR

EROSION CONTROL LEGEND

ENV 6, 27 BORE PIT / ENV 6, 27 BORE PIT	APPROXIMATE BORE PIT LOCATION (WITH & WITHOUT PERIMETER CONTROL)
A/B/C/D	INLET PROTECTION, TYPE
	12" WATTLE or 12"/20" SEDIMENT LOG or 9.5"/20" EROSION EEL
	STONE DITCH CHECK
	SAND or ROCK BAG
	MULCH
	SOIL STABILIZER, TYPE B
	EROSION MAT CLASS I, TYPE A
	EROSION MAT CLASS I, TYPE B
	EROSION MAT CLASS I, TYPE A URBAN
	EROSION MAT CLASS I, TYPE B URBAN
	EROSION MAT CLASS II
	EROSION MAT CLASS III
	VEGETATIVE BUFFER
	TRACKING PAD
	TIMBER MAT
	SILT FENCE
TSB	TEMPORARY SEDIMENT BASIN
	SURFACE WATER FLOW

TOTAL SECONDARY 305'

MANUFACTURER: _____

KVA: _____

VOLTAGE: _____

LOCATION ID: _____

PHASE: _____

FLUID TYPE: _____

DESIGN IZ: _____

SERIAL: _____

MATERIAL #: _____

OVERHEAD PRIMARY E,X,W, or Z

Z 1-#2 ACSR
Z1 1-#1/0 ACSR
Z2 1-#3/0 ACSR
Z3 3-#2 ACSR
Z4 3-#1/0 ACSR
Z5 3-#3/0 ACSR
Z7 3-#336 ACSR
Z9 SPECIAL LIST ON SKETCH
Z10 1 WIRE REMOVAL
Z11 2 WIRE REMOVAL
Z12 3WIRE REMOVAL

DIRECT BURY PRIMARY E,X,W, or Z

Z13 1-#1 AL 25KV
Z14 3-#1 AL 25KV
Z15 3-#500 AL 28KV
X16 1-#2 AL 15KV
X17 3-#2 AL 15KV
X18 3-#500 AL 15KV
Z21 3-#750 AL 28KV

NEUTRAL

N 1-#2 ACSR
N1 1-#1/0 ACSR
N2 1-#3/0 ACSR
N3 1-#4/0 AL
N4 1-#336 ACSR
N5 REMOVAL

SECONDARY - 1PHASE

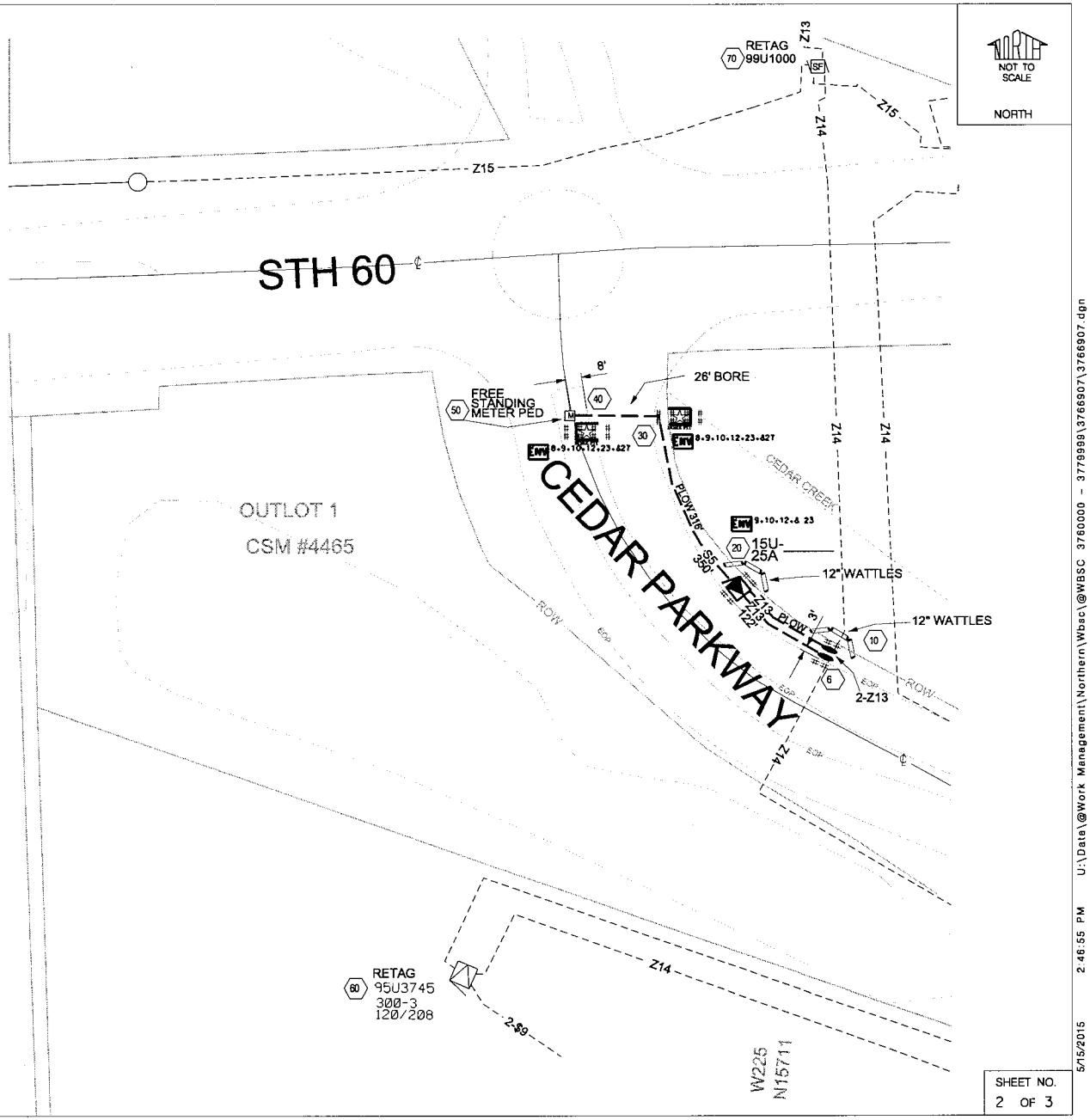
S 6DX
S1 4 TX
S2 2 TX
S3 1/0 TXR
S4 3/0 TXR
S5 350 TXR
S6 750 TXR
S7 1/0 TXF
S8 4/0 TXF
S9 336 TXR
S10 3 WIRE MAIN
S11 REMOVAL

GUYING

G 1/4" ARM GUY
G1 5/16" ARM GUY
G2 3/8" ARM GUY
G3 5/16" POLE GUY
G4 3/8" POLE GUY
G5 7/16" POLE GUY

SECONDARY - 3PHASE

$ 1/0 TXF
$1 4/0 TXF
$2 336 TXF
$3 3/0 TX
$4 350 TX
$5 750 TX
$6 1/0 QXF
$7 3/0 QXF
$8 350 QXR
$9 750 QXR
$10 3 WIRE REMOVAL
$11 3/0 QXR
$12 4 WIRE REMOVAL



SHEET NO. 2 OF 3

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we energies

ELEC WR WB 3766907

GAS WR

NOT TO SCALE

NORTH

WE ENERGIES WORK REQUEST ENVIRONMENTAL NOTES

Notes #1 - #7 apply to ALL work requests:

General

1. If WDNR and/or USACE permits were obtained for the project, all permit conditions shall be met during construction of the project.

Erosion Control

2. If soil disturbance occurs on slopes or channels/ditches leading to wetlands or waterways, or within wetlands, the disturbed areas shall be stabilized and appropriate erosion control Best Management Practices (BMPs) shall be implemented.
3. Erosion control BMPs shall meet or exceed the approved WDNR Storm Water Management Technical Standards (http://dnr.wi.gov/topic/stormwater/standards/const_standards.html). Refer to We Energies' Construction Site Sediment and Erosion Control Standards.
4. Inspect installed erosion control BMPs at least one time per week and after ½-inch rain events; repair as necessary.
5. When temporary stabilization is required (e.g. for winter or short-term construction) prior to final restoration, soil stabilizer shall be installed wherever possible. Erosion mat shall be used temoranly only where appropriate, in accordance with state standards, and when approved by the Operations Supervisor.

Contaminated Soils

6. Whenever soil exhibiting obvious signs of contamination (e.g., discoloration, petroleum or solvent odor, free liquids other than water, buried containers or tanks, or other obvious signs of environmental impacts) is encountered during excavation or installation, cease work immediately, take appropriate immediate precautions to ensure worker health and safety, and contact the Operations Supervisor or Inspector.

Spills

7. If an oil spill occurs on during construction, call the Environmental Incident Response Team (EIRT) at (414) 430-3478:
   a. Any quantity of oil is spilled into surface water;
   b. Any oil spill greater than 50 ppm PCB into a sewer, vegetable garden, or grazing land;
   c. Any oil spill containing greater than 500 ppm PCB;
   d. Five gallons or more of oil spilled to the ground;
   e. Any oil spill involving a police department, fire department, DNR, or concerned property owner.

Notes #8 - #27 apply as noted at specific points within each work request:

Dewatering

8. Dewatering of pits or trenches shall be done in accordance with state standards. Use an approved sediment bag, a straw bale dewatering basin, a combination of both, or equivalent.

Wetlands

9. As much as practicable, the majority of the work shall be staged from the public roadways and road shoulders, keeping equipment out of adjacent wetlands.
10. All work shall be conducted to minimize soil disturbance. No rutting will be allowed within the wetlands.
11. If soils are not frozen or stable to a point that avoids rutting, timber mats, mud tracks, or equivalent shall be utilized to access pole locations.
12. Excavated soils cannot be stockpiled in wetlands.
13. All excess spoils shall be removed from wetlands and placed in a suitable upland location.
14. Trenching and pit excavations within wetlands shall include soil segregation to facilitate restoration of pre-construction soil stratification, and restoration to pre-construction elevations.
15. Poles scheduled to be removed, and that occur within wetland, shall be cut at the ground surface.

Waterways

16. No work can be performed within the banks or below the ordinary high watermark of any navigable waterways/streams.
17. No crossing of navigable waterways with equipment can occur. Foot traffic is allowed.
18. Any disturbed soil within 75-feet of the ordinary high water mark of any navigable waterways/streams shall be stabilized within 24 hours of construction completion.

Threatened and Endangered Species

19. Threatened or endangered species are known to occur in the work area. It is illegal to harass, harm, or kill a protected species under state and federal regulations. Proper precautions shall be taken to ensure harm to individuals is avoided.
20. In order to protect the threatened or endangered species, work must be conducted between November 5 and March 15.
21. Exclusion fencing must be installed at the work area prior to March 15.
22. A qualified biologist must be present when conducting work at this location.

Invasive Species

23. State regulated invasive species are known to occur in the work area. Reasonable precautions are legally required to prevent the spread of these species. The Wisconsin Council on Forestry Transportation and Utility Rights-of Way Best Management Practices should be followed: (http://council.wisconsinforestry.org/invasives/transportation/).

Cultural and Historical Resources, cont.

24. The project is within or adjacent to an area that is identified by the State of Wisconsin as potentially having Native American artifacts, burial mounds or burial sites, which could be encountered during construction.
25. If human bone or any artifacts are discovered during construction, work must cease immediately. Contact the Environmental Department who will contact the State Burial Sites Preservation Office and determine the next steps that must be taken in order to comply with state law. Work at that site MAY NOT PROCEED until the Environmental Department authorizes it.
26. A "qualified archaeologist," as specified under Wis. Stats 157.70 (1) (i) and Wis. Admin. Code HS 2.04 (6), must be present to monitor all ground disturbing activities.

Frac-out Contingency Plan

27. A frac-out contingency plan shall be on-site and implemented accordingly. The contingency plan shall incorporate the following components.
    a. Continuously inspect the bore paths for frac-outs in order to respond quickly and appropriately.
    b. Containment materials (e.g. silt fence, straw bales, sand bags, etc.) shall be on site and available should a frac-out occur.
    c. A vac truck shall be accessible on short notice in order to respond quickly to a frac-out.

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We Energies Sketch Key

This sketch key will help you understand the proposed design for your property as described in the accompanying letter.

Symbols for Equipment On Poles

	New	Existing	To Be Removed
Poles			
Wires on Poles			
Anchor Guys			
Transformer On A Pole			

Symbols for Forestry and Brush Work

	Existing	Center Trim	Top Trim	Side Trim	Remove
Trees Clearance of at least 2 feet – and often as much as 10 feet or more – is required around wires.		C	T	S	
Brush Complete removal of brush may be required to create a 10-foot-wide path for trucks, poles, pad-mounted equipment and underground trenches.					BR

2K9307-PW-IN

We Energies Sketch Key

This sketch key will help you understand the proposed design for your property as described in the accompanying letter.

Symbols for Equipment On or Buried Under the Ground

	New	Existing	To Be Removed
Underground Wires			
Wire Pedestal Approximately 1 foot x 1 foot x 3 feet	P	P	
Transformer Box Approximately 5 feet x 5 feet x 5 feet	*Door		
Switch Box Approximately 7 feet x 7 feet x 6 feet tall	*Door SF or VFI *Door	SF or VFI	SF or VFI
Concrete Ducts and Wires In Road Sizes and shapes vary: Approximately 8 feet x 20 feet x 10 feet deep	1 1		1 1
Manhole Sizes and shapes vary: Approximately 8 feet x 20 feet x 10 feet deep			
Transformer Room / Vault Sizes vary			

* IMPORTANT NOTE: The area in front of the door must be clear of trees, bushes, fences, sheds, etc. for a minimum distance of 10 feet. This space is needed to operate the equipment safely. In addition, the area around the sides and back must have a clearance of 3 feet.

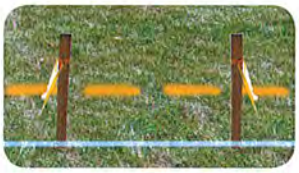
Form 4167 1-11 Lot# 705-8376

Are you ready for electric service?

Important! **The electric ready for service card must be completed when you are ready for electric service and returned to us before we can begin your new service installation.**

I understand that the following items need to be completed before installation begins.

☐ Located, marked or exposed any private buried obstructions or underground facilities – such as a well, drain tiles, septic/mound system and/or underground yard lighting – with stakes, spray paint or flags (applies to underground service only).*



Note to customer: *We Energies and/or its agents will not be held responsible for damage that occurs to customer-owned underground facilities that are not properly located and marked before electric service installation.*

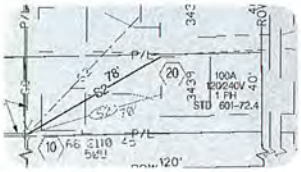
☐ Cleared a minimum 10-foot-wide path along the service route from the property line to the meter location. I've made sure things like dirt piles and construction materials aren't in the way (applies to underground service only).

☐ Submitted payment, if applicable.

☐ Prepared the ground around my building and along the service route to within 4 inches of final grade (applies to underground service only).

☐ Installed meter socket at agreed-upon meter location (applies to both underground and overhead service).

☐ Sent my signed sketch (if applicable) and informed We Energies of any planned decks, patios or pools before my service is installed. Once my service is installed, it would be my responsibility to pay any costs to move my electric facilities to accommodate future structures. **Note:** Building over the top of electric facilities may cause serious safety or code violations.



* *If you are unable to properly locate and mark your privately owned buried facilities, you can hire a contractor to do it for you.*

I understand that my service will not be energized until We Energies receives my municipal inspection or affidavit.

Electric ready for service card

Please complete, sign and return this card when all of the items above have been completed.

Name: _____

Installation address: W226 N16780 Cedar Pkwy *(please print)*

City: V/Jackson *(please print)* State: _____ ZIP code: _____

Daytime phone: _____

☐ I certify that I am the owner or authorized representative of the owner.

Signature: _____ Date: _____

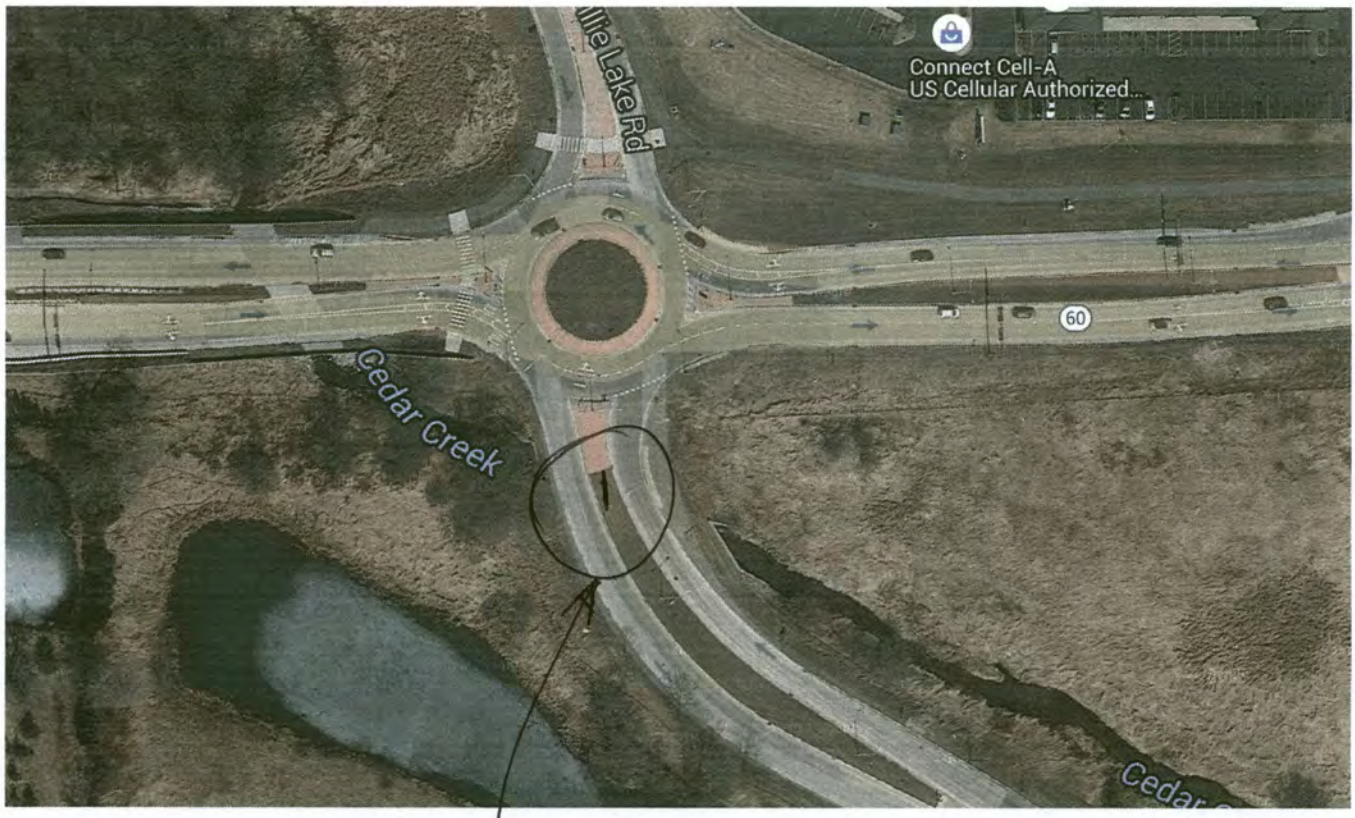
☐ Please hold my ready for service card and schedule installation after March 31.

(For We Energies office use only) Order number: 3766907

Additional charges for electric service installation apply from Dec. 1 through March 31.

For new service questions, visit www.we-energies.com/newservice or call 262-574-6400 or 866-423-0364 (toll free).

150 12-12



PROPOSED LOCATION

13
SE
Tillie Lake Rd
Cedar Pkwy
24
NE
40.45'
140.29
225.2
Cedar Creek
N
0
20
40
60ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

N
SIGN LOCATION
Mayfield Rd
NW
NE
Mayfield Ct
13
Polk St
Water St
SW
Tilly Lake
SE
Tillie Lake Rd
Cedar Creek
Tillie Lake Ct
45
60
Apple La
Diana Dr
Sylvester Cir
Green Valley Dr
Rosewood La
SW
Hasmer Lake
Hasmer Lake Access
Northwest Passage St
NW
NE
Emery Way
Green Valley Dr
18
SE
Tower Dr
Industrial Dr
Meadow La
N Center St
Scot Ct
Western Av
Reynolds Av
South St
Glen Brooke Dr
Parkway Dr
NE
Glencoe La
Tartan Ct
Dunbar Ct
19
NW
NE
Sysco Dr
Cedar Pkwy
P
0
1000
1500ft
DISCLAIMER: This map is not guaranteed to be accurate, correct, current, or complete and conclusions drawn are the responsibility of the user.

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, June 30, 2015 – 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: Tr. Jack Lippold, Tr. Scott Mittelsteadt, Brian Heckendorf, Linda Granec, Scott Thielmann, and Corinne Benson.
Members excused: All Present.
Staff present: Brian Kober and John Walther.

2. Approval of Minutes for May 26, 2015, meeting.

Motion by Corinne Benson, second by Brian Heckendorf to approve the minutes of the May 26, 2015, Board of Public Works meeting.
Vote: 7 ayes, 0 nays. Motion carried.

3. Pay Request #5 – Digester Improvement Project.

Brian Kober reviewed the 5th pay request which was developed without the change order.
Motion by Tr. Mittelsteadt, second by Corinne Benson to recommend the Village Board approve Pay Request #5 for the Digester Improvement Project in an amount not to exceed $48,704.89 to Sabel Mechanical.
Vote: 7 ayes, 0 nays. Motion carried.

4. Change Order #1 – Digester Improvement Project.

Brian Kober reviewed the change order. The change order is for $106,783.60. There were two proposals from Sable Mechanical. Brian reviewed the report from Clark Dietz. This is the same cover from 1980. They have started sandblasting and have found more structure that needs replaced. To replace the cover would not be feasible as it would be sixteen weeks before we would see a new cover. A new cover would be $300,000 or more. The Village is running with one digester. Brian reviewed the pay schedule. An additional pay request will go straight to the Budget & Finance and Village Board because of timing.
Motion by Scott Thielmann, second by Tr. Lippold to recommend the Village Board approve the change order #1 for the digester improvement project in an amount not to exceed $106,783.60.
Vote: 7 ayes, 0 nays. Motion carried.

5. Jackson Water Utility Master Plan Update.

Brian Kober reviewed the proposal. The Water Utility Master Plan is from 2006 and we do have the model to use. Could be a twenty or fifteen year plan? The system has expanded. Motion by Scott Thielmann, second by Linda Granec, to recommend the Village Board approve the Master Plan Proposal in an amount not to exceed $9,850.
Vote: 7 ayes, 0 nays. Motion carried.

6. Reinstalling Cedar Creek Business Sign.

Brian Kober reviewed location of the Cedar Creek Business Sign. It will be south of where the existing sign sat. He will get a street opening permit from the DOT. The total bill is $6,209.19.
Motion by Tr. Olson, second by Tr. Mittelsteadt to recommend the Village Board approve the

DRAFT

Cedar Creek Business Sign in an amount not to exceed $6,209.19, which includes $2,434.19 to We Energies and $3775.00 to Appleton Sign.
Vote: 7 ayes, 0 nays. Motion carried.

7. Review of quotes for painting of Blue Water Tower – Tower Drive.

Brian reviewed the quotes to repaint the blue water tower, light blue with lettering. Motion by Tr. Mittelsteadt, second by Linda Granec to recommend the Village Board approve the quote for Superior Tank Company in an amount not to exceed $43,400.
Vote: 7 ayes, 0 nays. Motion carried.

8. Discussion on submittal of CMAQ for STH 60 and CTH P Intersection.

Brian commented that this is to mitigate air quality. The real key is to get the DOT to communicate what the intersection will be and to obtain the Park and Ride parking lot. This is an important intersection for pedestrian safe travel. The intersection is earmarked at 2019.

9. Review of Jackson Telecomm Utility and Ethoplex Contract.

Brian reported that he and John Walther did meet with Keefe John. The Village continues to be patient and work with him. Keefe was supposed to give a memo on the status of Ethoplex. A memo has not been received.

10. Director of Public Works Report.

Brian Kober reviewed the Public Works Report. Brian reported that the DNR has been secured for the shared use path. Also, there was a preconstruction meeting for Georgetown Drive.
Motion by Linda Granec, second by Corinne Benson to place the report on file.
Vote: 7 ayes, 0 nays. Motion carried.

11. Citizens/Village Staff to address the Board.

Brian commented that prior to the July meeting there will be a tour of the Fire Department and Street Department. Other Departments will be toured at the next meeting.

Brian thanked Tr. Mittelsteadt for all of his work at Action in Jackson.

Brian reported that Coffeeville has gotten the approval from the DOT for the second access.

Scott Thielmann commented that there are several homes with brush out on Ash Drive. Brian commented that the next brush pick up is on July 20th.

Scott Thielmann commented on frustration with round-a-bouts and those that do not know how to properly yield at the round-a-bouts.

John Walther gave an update on Operation Home. The next fundraiser will be on Sunday, September 20th from 3 – 6 p.m. at the Jackson Community Center. This is a tailgating fundraiser that will be sponsored by several area organizations.

12. Adjourn.

Motion by Scott Thielmann, second by Tr. Lippold to adjourn at 8:07 p.m.
Vote: 7 ayes, 0 nays. Motion carried.

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

DRAFT

VILLAGE OF JACKSON DEVELOPMENT APPLICATION FORM
(Due 1st Friday of the month for that month's Planning Commission Meeting)

Name of Applicant The Laser Shop
Contact Debbie Szeklinski Address/ZIP W209N17150 Industrial Dr 53037 Phone # 262-502-1111
E-mail Address debbies@thelasershop.com Fax # where Agenda/Staff comments are to be faxed 262-502-9930
Name of Owner Sandra Rauch Address/ZIP W209N17150 Industrial Dr 53037 Phone# 262-502-1111
Owner Representative/~~Developer~~ Debbie Szeklinski
Proposed Use of Site _____ Present Zoning M1

ACTION REQUESTED	FEE	SUBMITTAL REQUIREMENTS	TYPE OF INFORMATION DESCRIBED (See page 5)	PAPER COPIES	CD
CONCEPT PLAN	$50	1,2,6,13	(1) Complete Application (all pages)		XXX
			(2) Describe what you intend to do (paragraph)		XXX
CONDITIONAL USE	$150	1,2,3,4,5,6,7,14,15,16,18,19,20	3) Address Labels of adjacent owners to be notified (500'/ 200')	labels	
			4) Owner acknowledgement of the request	1	
PLANNED UNIT DEVELOPMENT	$150	1,2,3,4,5,6,7,8,9,10,14,15,16,17,18,20	5) Impact Statement		XXX
			(6) Location Map		XXX
REZONING	$200	1,2,(3),4,6,9 or 10 (500'for rezoning	7) Development Plan / Site Plan		XXX
		200' for Cond. Use or PUD Site Plan)	8) Preliminary Plat		XXX
CERTIFIED SURVEY MAP (CSM)	$150	1,2,6,10,20	9) Final Plat		XXX
			10) Certified survey Map		XXX
MINOR SUBDIVISION	$150	1,2,3,5,6,10,15,16,17,18,20	11) Annexation Petition		XXX
			12) Annexation Map	1	XXX
Extra-territorial Plat or CSM	$150	1,2,6,9 / 10	(13) Sketch Plan		XXX
			14) Landscape Plan	4 (24x36)	XXX
Extra-territorial Plat outside Sanitary Service Area	$50	1,2,6,9 / 10	**Engineering Review - Infrastructure**		XXX
			15) Grading/Drainage Plan	4 (24x36)	XXX
PRELIMINARY PLAT	$300	1,2,3,5,6,9,15,16,17,18	**16) Water / Sewer / Storm Sewer Plans**	4 (24x36)	XXX
			17) Street / Right of Way cross sections	4 (24x36)	XXX
FINAL PLAT / Final Plat Reappl..	$100	1,2,3,5,6,9,15,16,17,18,20	**18) Erosion Control Plan**	4 (24x36)	XXX
			19) Proposed colors / materials		XXX
ANNEXATION / ATTACHMENT	$200	1,2,3,4,5,6,11,12,21	20) Developers Agreement		XXX
			21) Annexation Agreement (includes pre-annex agreements)		XXX
STREET EASEMENT/ VACATION	$150	1,2,3,4,6,9	22) other -		XXX
VARIANCE	$150	1,2,3,4,6,7			

I certify the information and exhibits submitted are true and correct to the best of my knowledge, and that in filing this application I am acting with knowledge and consent of those persons listed above and owner(s) without whose consent the requested action cannot be lawfully acted upon.

Name Debbie Szeklinski Signature Debbie Szeklinski Date 8-3-15

Office Use: Date Received _____ Date Paid _____ Receipt # _____ Amount Paid $_____

VILLAGE OF JACKSON

☐ Special Use ☒ Conditional Use ☐ Planned Unit Development Permit #_____

The Village of Jackson, hereby grants a ☐ **Special Use** ☐ **Conditional Use** ☐ **Planned Unit Development**

Permit to:

Name of Business/Applicant: The Laser Shop

For a property located at (address): W209 N17150 Industrial Drive

Phone number of Business/Applicant: 262-502-1111

For (land use, activity, sign, site plan, other): Use vacant land South of our building to rent spaces to individuals for parking boats, campers, etc.

Impact Mitigation (noise, smoke, dust, odors, etc. affecting adjacent properties): N/A

Hours of Operation: 24 hrs/day, 7 days/week

Comprehensive/Master Plan Compatibility: N/A

Building Materials (type, color): N/A

Setbacks from rights-of-way and property lines: N/A

Screening/Buffering: N/A

Landscape Plan (sizes, species, location): N/A

Signing (dimensions, colors, lighting, location): Sign on gate only

Lighting (wattage, style, pole location and height, coverage): We will have 2 lights on the south side of the open storage bldg - one by the gate & one further east.

Traffic flow, pedestrian circulation (curb to street width), (parking one/both/neither side(s), (sidewalk/pedestrian way width and material): N/A

Storm-water Management: N/A

Erosion Control: N/A

Fire Hydrant Location(s): Existing

Knox Box, Posting Site (No Trespass signing), Emergency Telephone #'s:

Hazardous Material Storage: N/A

Alarm Systems: N/A

Site Features/Constraints: N/A

Parking (no. of spaces, handicapped parking, and dimensions): We will have approximately (120) 10'x20' spaces and (70) 10' x 30' spaces within the fenced storage area.

Tree and shrub preservation: N/A

Setbacks/height limitations: N/A

Wastewater Usage Projected: N/A gal/year Water Usage Projected: N/A gal/year

Duration and Review of Conditional Use (expiration, when reviewed: upon complaint, specified period): Continuous- Reviewed on Complaint

TERMS OF THIS PERMIT

1. This permit shall become effective upon the execution and recording by the owners of the premises of an acceptance hereof in such form as to constitute an effective covenant running with the land.

2. The permit shall be void unless: (a) pursuant to the Building and Zoning Codes of the Village, the approved use is commenced or (b) the building permit is obtained within 12 months of the date of Village Board approval.

3. The permit is subject to amendment and termination in accordance with the provisions of the Zoning Code of the Village of Jackson.

4. Construction and operation of the use permit shall be in strict conformity to the approval site, building, and operation plans which were filed in connection with the application for this permit (as attached and /or referenced).

5. Any of the conditions of this permit which would normally be the responsibility of the tenants of the premises, shall be made a part of their lease by the owner.

Granted by: Village Board _____Date _____Over the Counter _____Date _____

Debbie Szeklinski

Debbie Szeklinski, ~~Owner~~ Agent
Please print name

_____
John M. Walther, Administrator

THE LASER SHOP

W209 N17150 INDUSTRIAL DRIVE
JACKSON, WI 53037
PHONE: (262) 502-1111
FAX: (262) 502-9930
CELL: (262) 617-5131
debbies@thelasershop.com
http://www.thelasershop.com

YOUR FIRST CHOICE IN LASER PROCESSING & METAL FABRICATION

March 3, 2015

Village of Jackson
Planning Commission and Village Board

RE: Letter of Intent

To Whom It May Concern:

The Laser Shop is submitting documentation for approval of a concept plan for using the vacant land owned by The Laser Shop south of our existing building at W209 N17150 Industrial Drive, Jackson, WI for the purpose of renting spaces to individuals for parking/storage of boats, campers, etc. The area will be fenced in completely and have an electronic access on the gate, which will be kept closed and locked at all times. The rental will be for parking/storage only – at no time will servicing of vehicles or anything parked be allowed.

The use of our vacant land for this purpose is temporary until our next building expansion which would include expanding into this area. At that time, we would stop renting spaces for parking/storage.

Regards,

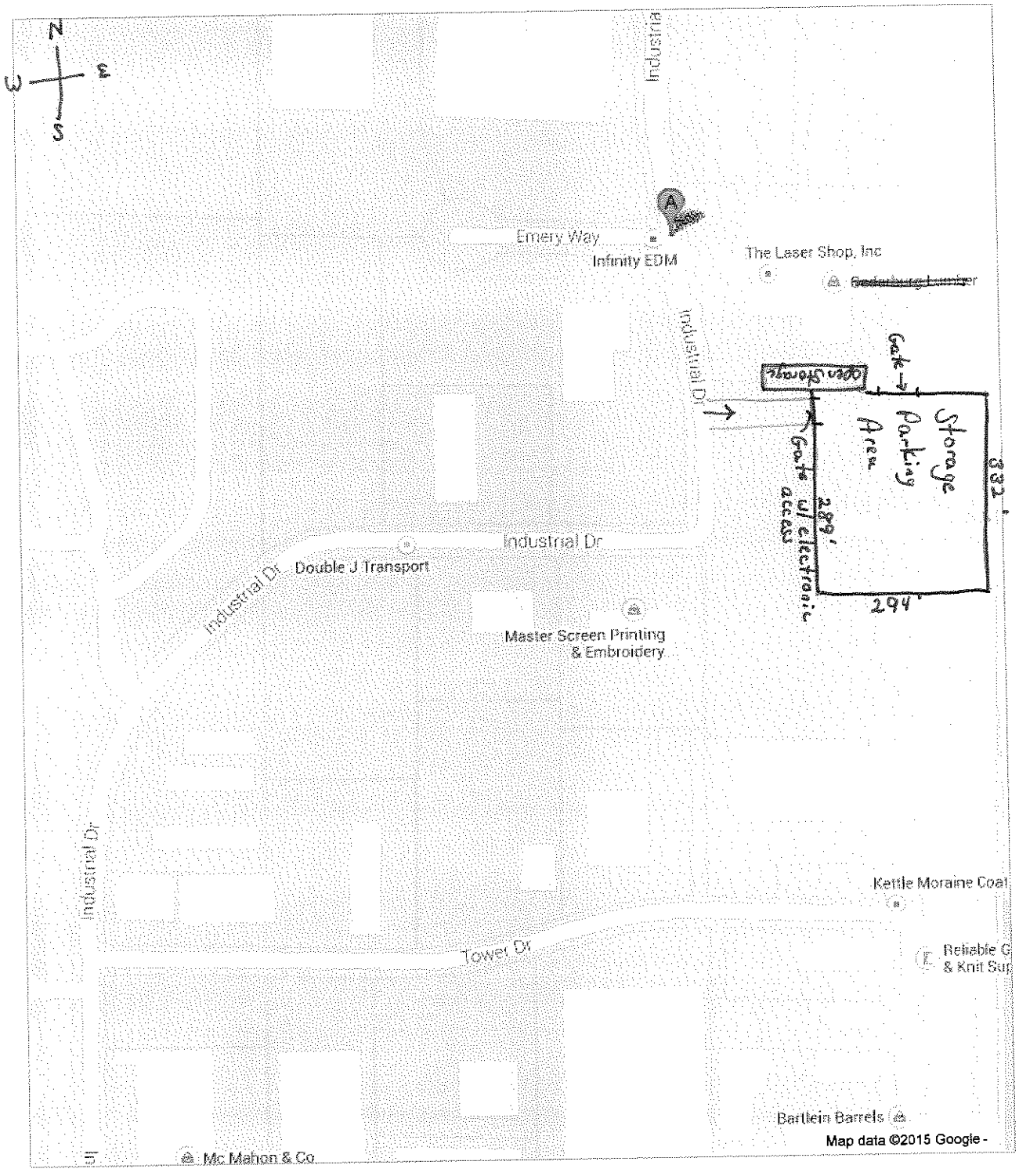
Debbie Szeklinski

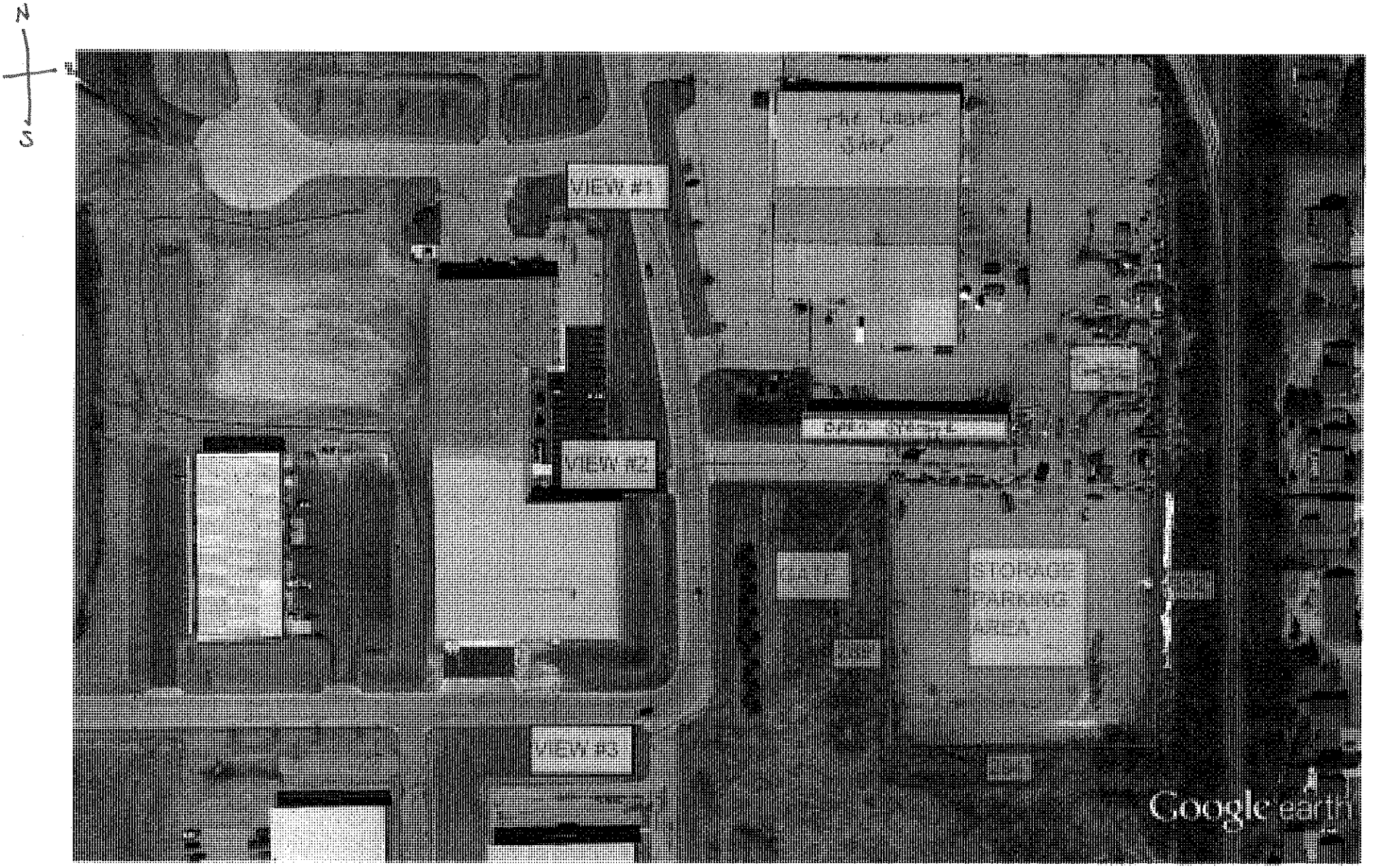
Debbie Szeklinski
Business Manager

6

To see all the details that are visible on the screen, use the "Print" link next to the map.

Google





Google earth

feet 700

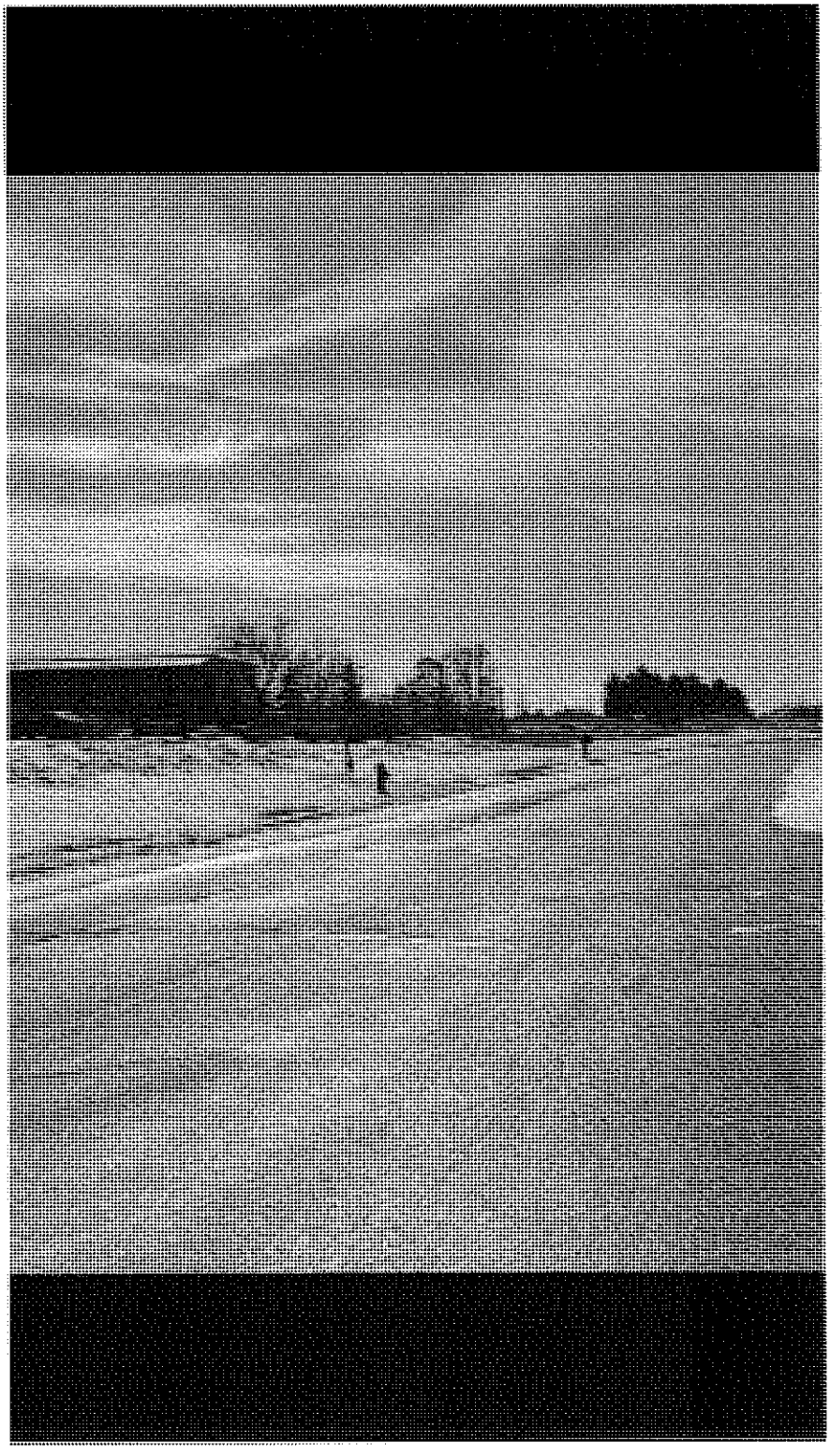
meters 200

Proposed Jackson Storage Parking

Prepared 2/26/15

VIEW#1

(FACING SOUTHEAST ON INDUSTRIAL)



VIEW #3 (FACING NORTHEAST ON INDUSTRIAL)

VIEW#2 (FACING EAST ON INDUSTRIAL)

STAFF REVIEW COMMENTS
Plan Commission Meeting – June 25, 2015

1. Planned Unit Development Amendment - Poblocki Sign Company LLC, Rytec Corporation – Sign at Cedar Parkway.

Building Inspection

- Existing wall sign on building will remain on the building with this approval.
- A separate Sign Permit shall be applied for the installation of the new sign.

Public Works/Engineering

- No additional comments.

Police Department

- No comments.

Fire Department

- No comments.

Administrative/Planning

- Recommend approval.

2. Conditional Use – Dasko - Fence Height – Hunters Road.

Building Inspection

- Owner seeks a 12" higher fence height in the front yard set-back than what the Village Code permits (36" max.).
- A separate Fence Permit shall be required for the installation of the fence along with signed approval letters from the adjoining property owners to allow the fence to be installed within the three (3) foot area from the property lines.
- Since a portion of the proposed fence will be installed within the utility easement, a signed copy of the agreement between WE Energies and the Homeowners shall be submitted with the Fence Permit Application. Owner shall comply with all the conditions set by WE Energies.
- Recommend the fence be installed a min. of three (3) feet beyond the front yard set-back along Chateau Drive.

Public Works/Engineering

- The installation of the fence shall not prohibit the proper drainage of the lot and the adjacent lots in the area. The fence is being placed through a 20 ft drainage easement.

Police Department

- No comments.

Fire Department

- No Comments.

Administrative/Planning

- No additional comments.

3. Conditional Use – DeRite Shine Commercial Services – Trucking Company, Meadow Lane.

Building Inspection

- Owner currently is operating business at their personal residence in the Town of Jackson and has run out of room and is looking to store up to 5 trucks at this site. Plans for a future building and office area are currently being discussed.
- Existing building currently does not have sewer and water to the building. In order for any minor repairs to be completed on the trucks, a uni-sex bathroom shall be installed, a make-up air intake and exhaust system shall be installed in the current building and the building shall have a heating system installed.

Public Works/Engineering

- Per the Village Code, a landscape barrier or berm is necessary to separate a commercial use from a residential use. The barrier shall be installed on the south side of the property.

Police Department

- No comments.

Fire Department

- Fire Extinguishers shall be installed per the applicable national, state and local codes.
- Exit lighting shall be installed per the applicable national, state and local codes.
- Knox Box Entry System shall be installed per village code.

Administrative/Planning

- No additional comments.

STAFF REVIEW COMMENTS
Plan Commission Meeting – June 25, 2015

4. Concept Plan – The Laser Shop – Industrial Drive.

Building Inspection

- Current zoning for this property is M-1 (Limited Manufacturing District). Proposed use of this vacant area does not comply with the current zoning. If the Board does allow storage to occur, recommend a sunset date to be set (example: review it in 3 years and see where the business is in relation to their building expansion).

Public Works/Engineering

- The zoning for the property is M – 1 Limited Manufacturing District is intended to provide for manufacturing, industrial, and related uses. Site plan approvals for the zoning usually restricted property owners from outside storage of equipment or material. Recommend denial of the concept plan request.

Police Department

- No additional comments.

Fire Department

- A Knox Box Entry system shall be installed for the gate in a location to be determined by the fire department.

Administrative/Planning

- This area is in TID #2 and is zoned M1-Limited Manufacturing, and therefore non-compliant with the district.
- Recommend denial of the concept.

DRAFT MINUTES
PLAN COMMISSION MEETING
Thursday – June 25, 2015 – 7:00 pm
Jackson Village Hall
N168W20733 Main St
Jackson, WI 53037

1. Call to Order & Roll Call.

Chairperson Mike Schwab called the meeting to order at 7:00 p.m.
Members present: Tr. Kruepke, Tr. Emmrich, Steve Schoen, and Peter Habel.
Members excused: Doug Alfke and Jeff Dalton.
Staff present: John Walther.

2. Minutes – April 30, 2015, Plan Commission Meeting.

Motion by Peter Habel, second by Steve Schoen to approve the minutes of the April 30, 2015 Plan Commission meeting. Vote: 5 ayes, 0 nays. Motion carried.

3. Planned Unit Development Amendment - Poblocki Sign Company LLC, Rytec Corporation – Sign at Cedar Parkway.

Poblocki Sign Company, LLC requested this item to be removed from the agenda.

4. Conditional Use – Dasko - Fence Height – Hunters Road.

Motion by Peter Habel, second by Tr. Emmrich to recommend to the Village Board the approval of the fence per staff comments. Vote: 5 ayes, 0 nays. Motion carried.

5. Conditional Use – DeRite Shine Commercial Services – Trucking Company, Meadow Lane.

Motion by Peter Habel, second by Steve Schoen to refer this item to the next Plan Commission meeting. Vote: 5 ayes, 0 nays. Motion carried.

6. Concept Plan – The Laser Shop – Industrial Drive.

After discussion, a motion was made by Peter Habel, second by Tr. Kruepke to recommend to the Village Board denial of the concept plan per staff comments.
Vote: 5 ayes, 0 nays. Motion carried.

7. Citizens to address the Plan Commission.

There were no citizens to address the Plan Commission.

8. Adjourn.

Motion by Tr. Kruepke, second by Peter Habel to adjourn.
Vote: 5 ayes, 0 nays. Meeting was adjourned at 7:21 p.m.

Respectfully submitted by John M. Walther – Administrator

DRAFT