

AGENDA

Board of Public Works Meeting
Tuesday, June 27, 2017 - **7:00 p.m.**
Jackson Village Hall
N168W20733 Main Street
Jackson WI 53037

1. Call to Order and Roll Call.
2. Approval of Minutes for May 30, 2017, meeting.
3. Review of Storm Water Drainage Stonehedge Drive.
4. Review of Change Order #2 Chateau Dr Reconstruction Project.
5. Review of Pay Request #3 Chateau Dr Reconstruction Project.
6. Discussion on Special Assessment for final lift of asphalt.
7. Resolution 17-14 – Adopting 2016 CMAR for Jackson Sewer Utility.
8. Director of Public Works Report.
9. Citizens/Village Staff to address the Board.
10. Adjourn.

Persons with disabilities requiring special accommodations for attendance at the meeting should contact the Village Hall at least one (1) business day prior to the meeting.

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

DRAFT MINUTES
Board of Public Works Meeting
Tuesday, May 30, 2017 –7:00 p.m.
Jackson Village Hall
N168W20733 Main Street

1. Call to Order and Roll Call.

Chairman Tr. Don Olson called the meeting to order at 7:00 p.m.
Members present: Brian Heckendorf, Tr. Lippold, Linda Granec, and Tr. Kufahl.
Excused: Scott Thielmann, Gloria Teifke.
Staff present: Brian Kober, and Deanna Boldrey.

2. Approval of Minutes for April 25, 2017, meeting.

Motion by Brian Heckendorf, second by Tr. Kufahl to approve the minutes of the April 25, 2017, Board of Public Works meeting.
Vote: 5 ayes, 0 nays. Motion carried.

3. Review of Storm Water Drainage Stonehedge Drive.

Brian Kober reported that Gremmer & Associates proposed four alternatives for the storm water drainage on Stonehedge Drive. This is for the area of water that freezes on Stonehedge Drive in the winter months. The four alternatives were reviewed and discussed.

Joe Kreiter of Stonehedge Dr commented that the sump pump discharge water has been a problem since he moved to Jackson in 1989. The sump pumps are constantly running and flowing into the streets. It did help in January by adjusting the floats; however, he believes that the problem will be back and will reoccur. This has been a wet spring.

The subdivision was built in 1986 and at that time it was the practice to build without storm sewer laterals.

Brian Kober commented that this may become the project that we do next year.

Brian recommended the second option for \$28,350. This would be to remove driveway approaches and trees. This street is far out on the capital improvement plan.

Motion by Tr. Kufahl, second by Tr. Lippold to recommend the Director of Public Works to pursue bids for the second option of installing storm sewer in the terrace area and then bring back to the Board of Public Works in June.

Vote: 5 ayes, 0 nays. Motion carried.

4. Presentation of Jackson Water Utility Analysis Report – City Water LLC.

Brian Kober introduced Tom Nennhig of City Water LLC to Present the Water Utility Analysis Report. The old plan is from 2006.

The presentation included the following main points to the Master Plan of the Water System:
Update to the hydraulic water model, including changes since 2006 including the expansion to the Town of Jackson.

Identify the new service boundary as we move into the future.

The update of future water demands.

Identify short or long term water supply and storage needs.

Identify potential areas that could be served by the water utility.

Tom presented an updated water fire flow map.

Once the Water Utility Analysis Report is finalized it will be posted on the Village website.

The item was for information only, and no action was necessary at this time.

5. Review of Pay Request #2 Chateau Dr. Reconstruction Project.

Brian distributed a temporary pay request on the project. There is a sense of urgency as the contractor has been told that they will be fined \$1,000 a day if not finished by this Friday. The binder lift and pavement are scheduled for tomorrow. Then the landscaping and mailboxes will be installed. There will be a punchlist for this project.

Motion by Tr. Kufahl, second by Brian Heckendorf to recommend pay request #2 for Chateau Drive Reconstruction Project with a retainage in the range of \$17,000.

Vote: 5 ayes, 0 nays. Motion carried.

6. Discussion on Special Assessment for final lift of asphalt.

Brian reported on the item. He has not heard back from the bank that owns English Oaks. Brian reviewed the memo of assessment for the final lift of asphalt. For Stonewall Drive the approximate cost per unit is \$707.05.

Motion by Tr. Olson, second by Tr. Kufahl to refer the item back to the Board of Public Works next month and for the Director of Public Works to follow up with the bank.

Vote: 5 ayes, 0 nays. Motion carried.

7. Resolution 17-10 – Outdoor Recreation Aids for the Village of Jackson.

Brian reported on the item. This project is titled the Coffee Connection Trail and is along the South side of Hwy 60 from Jackson Drive to Eagle Drive. The grant request is \$45,000. The estimated project cost is \$263,855. Recommend the project would be special assessed as the path on the north side of STH 60 was special assessed.

Motion by Tr. Olson to recommend approval of Resolution 17-10 Outdoor Recreation Aids for the Village of Jackson to the Budget and Finance and Village Board, and that due to the fact that they are at the committee level and not the Village Board level, he may not be in favor of the project at a future date. Second by Brian Heckendorf.

Vote: 5 ayes, 0 nays. Motion carried.

8. Resolution 17-11 – Accepting Sewer & Water System Cranberry Creek Phase 4.

Brian reported on the item. This is for the Cranberry Creek Development located the Village Hall. Motion by Tr. Olson, second by Tr. Kufahl to recommend approval of Resolution 17-11 – Accepting Sewer & Water System Cranberry Creek Phase 4.

Vote: 5 ayes, 0 nays. Motion carried.

9. Director of Public Works report.

Brian Kober gave the report. Brian distributed a printed color example of new banners for the Village. Motion by Linda Granec, second by Brian Heckendorf to place the Director of Public Works report on file.

Vote: 5 ayes, 0 nays. Motion carried.

10. Citizens/Village Staff to Address the Board.

Discussion of the Ash trees in the Village ensued. The park is being prepared for Action in Jackson.

11. Adjourn.

Motion by Linda Granec, second by Brian Heckendorf to adjourn at 8:26 p.m.

Vote: 5 ayes, 0 nays. Motion carried.

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



Technical Memorandum

To: Mr. Brian Kober, Village of Jackson Director of Public Works
From: Jeff Chvosta, Gremmer & Associates
Date: May 4, 2017
Re: Stonehedge Drive – Stormwater Drainage

The Village of Jackson has retained Gremmer & Associates, Inc. to perform field survey and determine potential alternatives to alleviate drainage issues related to sump pump discharges from properties located along Stonehedge Drive in the Village of Jackson, Wisconsin. The survey was limited to the properties on the south side of Stonehedge Drive and east of Hickory Lane and specifically W194 N16013 Hickory Lane, N160 W19415 Stonehedge Drive, N160 W19391 Stonehedge Drive, and N160 W19375 Stonehedge Drive.

Based on field survey, telephone correspondence with Village officials, and a site visit it is our understanding that N160 W19391 and N160 W19375 have sump pumps that discharge frequently onto grade throughout the year. The sump pump discharges are from the northeast corner of N160 W19391 and the northwest corner of N160 W19375. These properties are located east of the high point of the roadway by approximately 50-feet. The stormwater from the sump pumps flows overland in a northern direction from the pipe discharges, before flowing over the public sidewalk, and roadway curb and gutter. Upon entering the roadway curb and gutter, the stormwater continues to flow to the north for approximately 575' before entering a storm sewer inlet. Furthermore, it is our understanding that during the winter months, the stormwater freezes within the curb and gutter and creates issues for properties located between the roadway high point and the inlet.

Given the existing conditions described above, potential alternatives were examined to alleviate the drainage issue. Numerous alternatives were considered including re-routing the sump pump discharges to backyards, grading a swale between properties to the Sherman Road ditch, burying a pipe from the sump pumps to the ditch on the north side of Sherman Road or the pond located on the south side of Sherman Road, and burying a pipe from the existing storm sewer located at the intersection of Hickory Road and Stonehedge Drive in varying locations. Upon further examination of the above mentioned alternatives, the grading of a swale between the properties to the Sherman Road ditch and the burying of a pipe to Sherman Road were eliminated from consideration due to the lack of sufficient elevation to adequately drain either alternative.

The following table summarizes the remaining potential alternatives with associated costs.

Proposed Alternatives

Alternative	Improvement	Pros	Cons	Cost
1	Re-route sump pump discharge to backyards	Lowest cost. No road work required.	Inadequate backyard drainage to Sherman Road.	\$100
2	Install storm sewer in terrace	Adequate drainage. Asphalt, curb and gutter, and sidewalk undisturbed.	Moderate cost. Street trees and driveway aprons to be removed.	\$28,350
3	Install storm sewer under sidewalk	Adequate drainage. Asphalt, curb and gutter, driveway aprons, and street trees undisturbed.	Moderate cost. Sidewalk to be removed.	\$27,775
4	Install storm sewer in roadway	Adequate drainage. Curb and gutter, driveways, street trees, and sidewalks undisturbed.	High cost. Asphalt to be removed.	\$37,500

A project location map, site pictures, alternative overview plan, and associated estimate of probable costs are attached as exhibits for reference.

Please review this information in regards to the existing drainage issue and proposed alternatives. If you have any questions or comments, you can call me at (920) 924-5720 or e-mail j.chvosta@gremmerassociates.com.

Exhibits

- 1 Location Map
- 2 Site Pictures
- 3 Alternative Overview
- 4 Estimate of Probable Costs

EXHIBIT 1

PROJECT LOCATION MAP



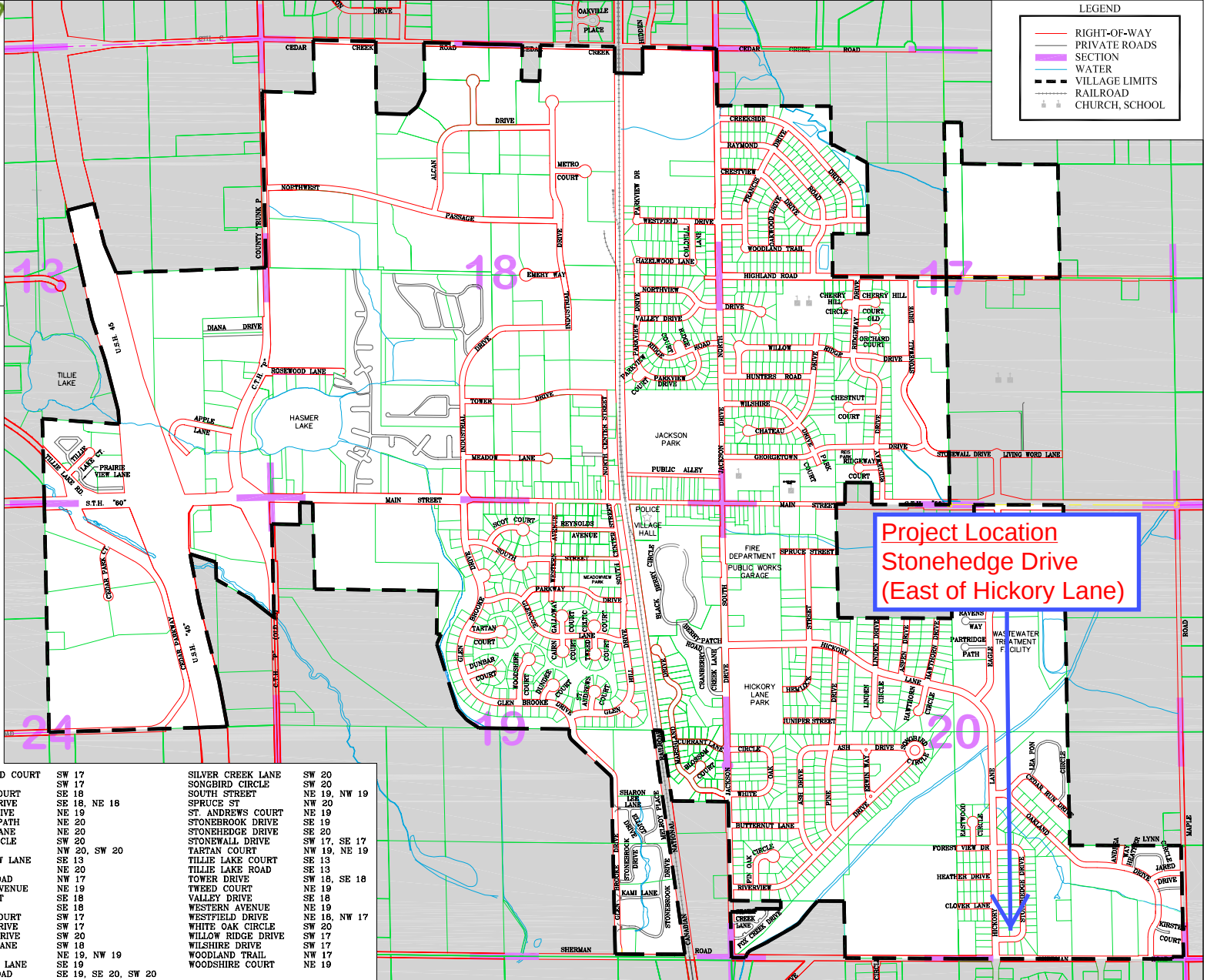
STREET INDEX

08/15/2006

ALCAN DRIVE NW 18, NE 18
ANDREA WAY SE 20
APPLE LANE SE 13
ASH DRIVE SW 20
ASPEN DRIVE NW 20
BERRY PATCH ROAD NE 19
BUTTERNUT LANE SW 20
CAIRN COURT NE 19
CEDAR CREEK ROAD NW 18, NE 18, NW 17
CEDAR PARK COURT NE 24
CEDAR PARKWAY NE 24
CEDAR RUN DRIVE SE 20
CELTIC COURT NE 19
CENTER STREET (N) SE 18
CENTER STREET (S) NE 19
CHATEAU DRIVE SW 17
CHERRY HILL CIRCLE SW 17
CHERRY HILL COURT SW 17
CHESTNUT COURT SW 17
CLOVER LANE SE 20
COLONIAL LANE NE 18
CRANBERRY CREEK LANE NE 19
CREEKVIEW DRIVE NW 17
CTY TK P SE 24/SW 19 - NE 13/NW 18
DIANA DRIVE SE 13
DUNBAR COURT NW 19
DUNDEE COURT NE 19
EAGLE DRIVE NE 20, SE 17
EASTWOOD CIRCLE SE 20
ELLIOT DRIVE SE 19
EMERY WAY NE 18, SE 18
ERWIN WAY SW 20
FOREST VIEW DRIVE SE 20
FOX CREEK DRIVE SW 20
FRANCIS DRIVE NW 17
GALLOWAY COURT NE 19
GEORGETOWN DRIVE SW 17
GLEN BROOKE DRIVE NW 19, NE 19
GLEN HILL DRIVE NE 19
GLENCOE LANE NE 19, NW 19
HAWTHORN CIRCLE NW 20
HAWTHORN DRIVE NW 20
HAZELWOOD LANE NE 18
HEATHER DRIVE SE 20
HEATHER LYNN CIRCLE SE 20
HEMLOCK STREET NW 20
HICKORY LANE NW 20, NE 20, SE 20
HIGHLAND ROAD NW 17/SW 17 - NE 17/SE 17
HUNTERS ROAD SW 17
INDUSTRIAL DRIVE SW 18, SE 18, NE 18
JARED DRIVE SE 20
JACKSON DRIVE SE 19/SW 20 - NE 18/NW 17
JUNIOR STREET SE 19
KAMI LANE SE 20
KIRSTEN COURT SE 20
LEA PON CIRCLE SE 20
LINDEN CIRCLE NW 20
LINDEN DRIVE NW 20
MAIN STREET NW 24/SW 13 - NE 20/SE 17
MELROY PLACE SE 19
MEADOW LANE SW 18, SE 18
METRO COURT NE 18
MILL ROAD NE 24, SE 24
NORTHVIEW DRIVE SE 18, SW 17
NORTHWEST PASSAGE NW 18, NE 18
OAKWOOD DRIVE NW 17

OLD ORCHARD COURT SW 17
PARK COURT SW 17
PARKVIEW COURT SE 18
PARKVIEW DRIVE SE 18, NE 18
PARKWAY DRIVE NE 19
PARTRIDGE PATH NE 20
PHEASANT LANE NE 20
PINE DRIVE NW 20, SW 20
PRAIRIE VIEW LANE SE 13
RAVENS WAY NE 20
RAYMOND DRIVE NW 17
REYNOLDS AVENUE SE 19
RIDGE COURT SE 18
RIDGE ROAD SE 18
RIDGEMOUNT COURT SW 17
RIDGEWAY DRIVE SW 20
ROSEWOOD LANE SW 18
SCOTT COURT NE 19, NW 19
SHARON LEE LANE SE 19
SHERMAN ROAD SE 19, SE 20, SW 20

SILVER CREEK LANE SW 20
SONGBIRD CIRCLE SW 20
SOUTH STREET NE 19, NW 19
SPRUCE ST NW 20
ST. ANDREWS COURT NE 19
STONEBROOK DRIVE SE 19
STONEHEDGE DRIVE SE 20
STONEWALL DRIVE SW 17, SE 17
TARTAN COURT NW 19, NE 19
TILLIE LAKE COURT SE 13
TILLIE LAKE ROAD SE 13
TOWER DRIVE SW 18, SE 18
TWEED COURT NE 19
VALLEY DRIVE SE 18
WESTERN AVENUE NE 19
WESTFIELD DRIVE NE 18, NW 17
WHITE OAK CIRCLE SW 20
WILLOW RIDGE DRIVE SW 17
WILSHIRE DRIVE SW 17
WOODLAND TRAIL NW 17
WOODSHIRE COURT NE 19



LEGEND

- RIGHT-OF-WAY
- PRIVATE ROADS
- SECTION
- WATER
- VILLAGE LIMITS
- RAILROAD
- CHURCH, SCHOOL

Project Location
Stonehedge Drive
(East of Hickory Lane)

EXHIBIT 2

SITE PICTURES



Looking East from Intersection of Hickory Lane and Stonehedge Drive



Sump pump discharge from W194 N16013



Looking East from Stonehedge Drive High Point



Looking South between N160 W19391 and N160 W19375 Stonehedge Drive



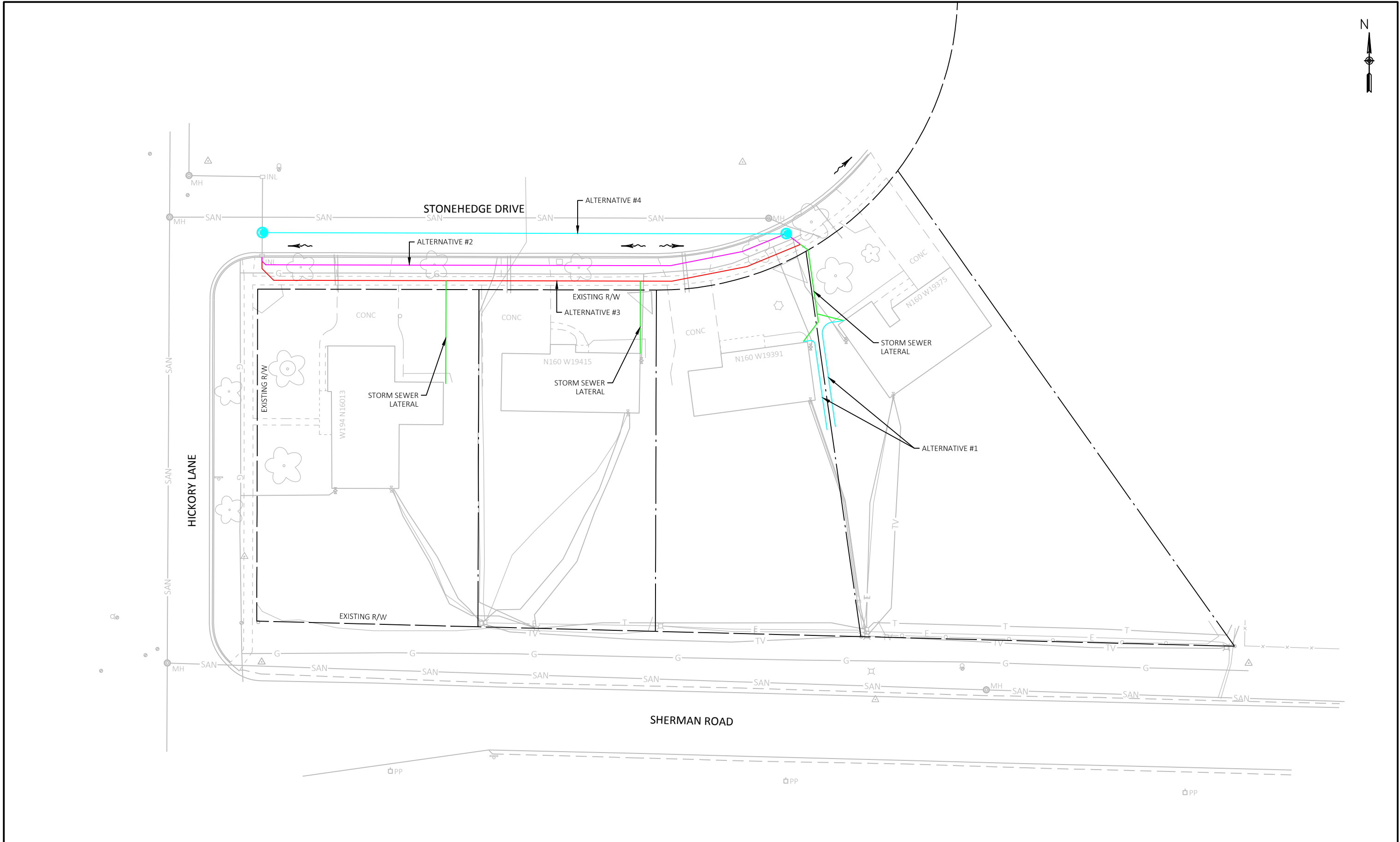
View of standing water at N160 W19391 and N160 W19375 Stonehedge Drive



Looking North between N160 W19391 and N160 W19375 Stonehedge Drive

EXHIBIT 3

ALTERNATIVE OVERVIEW



Revisions:	Job No: ----	Designed: JAC	Date: 5/4/17	 GREMMER & ASSOCIATES, INC. CONSULTING ENGINEERS Stevens Point • Fond du Lac	95 South Pioneer Road, Suite 300 Fond du Lac, WI 54806 (920) 924-5720 Fax: (920) 924-5725	Village of Jackson, WI Stonehedge Drive	ALTERNATIVE OVERVIEW	SHEET 1 1
		Drawn: JAC	Date: 5/4/17					
	Date: 05/04/2017	Checked:	Date:					

EXHIBIT 4

ESTIMATE OF PROBABLE COSTS

Stonehedge Drive - Village of Jackson
Estimate of Probable Costs
5/4/2017

				Alternative #1		Alternative #2		Alternative #3		Alternative #4	
Item No.	Description	Units	Unit Price	Quantity	Total	Quantity	Total	Quantity	Total	Quantity	Total
ROADWAY ITEMS											
100.01	Removing Concrete Sidewalk & Driveways	SY	\$5.00	-	\$0.00	80	\$400.00	115	\$575.00	15	\$75.00
100.02	Removing Curb & Gutter	LF	\$5.00	-	\$0.00	-	\$0.00	-	\$0.00	30	\$150.00
100.03	Removing Trees	EACH	\$250.00	-	\$0.00	4	\$1,000.00	-	\$0.00	-	\$0.00
100.04	Base Aggregate Dense 1 1/4-Inch	TON	\$15.00	-	\$0.00	30	\$450.00	30	\$450.00	65	\$975.00
100.05	Concrete Driveway 7-Inch	SY	\$50.00	-	\$0.00	70	\$3,500.00	30	\$1,500.00	-	\$0.00
100.06	HMA Pavement	TON	\$75.00	-	\$0.00	-	\$0.00	-	\$0.00	35	\$2,625.00
100.07	Concrete Curb & Gutter 30-Inch Type D	LF	\$20.00	-	\$0.00	-	\$0.00	-	\$0.00	30	\$600.00
100.08	Concrete Sidewalk 4-Inch	SF	\$5.00	-	\$0.00	115	\$575.00	745	\$3,725.00	120	\$600.00
100.09	Lawn Restoration	SY	\$5.00	-	\$0.00	320	\$1,600.00	225	\$1,125.00	175	\$875.00
100.10	Traffic Control	LS	\$1,500.00	-	\$0.00	1	\$1,500.00	1	\$1,500.00	1	\$1,500.00
100.11	Sawing	LF	\$5.00	-	\$0.00	25	\$125.00	10	\$50.00	520	\$2,600.00
SUBTOTAL ROADWAY ITEMS					\$0.00		\$9,150.00		\$8,925.00		\$10,000.00
STORM SEWER ITEMS											
200.01	Connect to Existing Inlet	EACH	\$500.00	-	\$0.00	1	\$500.00	1	\$500.00	-	\$0.00
200.02	Connect to Existing Storm Sewer Pipe	EACH	\$250.00	-	\$0.00	-	\$0.00	-	\$0.00	2	\$500.00
200.03	Storm Sewer Pipe Corrugated Plastic 4-Inch	LF	\$1.00	100	\$100.00	-	\$0.00	-	\$0.00	-	\$0.00
200.04	Storm Sewer Pipe PVC SDR-35 4-Inch	LF	\$40.00	-	\$0.00	155	\$6,200.00	140	\$5,600.00	190	\$7,600.00
200.05	Storm Sewer Pipe PVC SDR-35 6-Inch	LF	\$50.00	-	\$0.00	250	\$12,500.00	255	\$12,750.00	-	\$0.00
200.06	Storm Sewer Pipe PVC SDR-35 12-Inch	LF	\$60.00	-	\$0.00	-	\$0.00	-	\$0.00	240	\$14,400.00
200.07	Manholes 4-FT Diameter w/ Casting	EACH	\$2,500.00	-	\$0.00	-	\$0.00	-	\$0.00	2	\$5,000.00
SUBTOTAL STORM SEWER ITEMS					\$100.00		\$19,200.00		\$18,850.00		\$27,500.00
TOTAL					\$100.00		\$28,350.00		\$27,775.00		\$37,500.00

DOCUMENT 00560

CONTRACT CHANGE ORDER

Order No.: 2

Date: 6/21/2017

Agreement Date: 6/21/2017

NAME OF PROJECT: **Chateau Drive
West of Wilshire Drive
Roadway & Utility Reconstruction 2017
Village of Jackson
Project No. 161031**

OWNER: Village of Jackson

CONTRACTOR: Buteyn-Peterson Construction Co., Inc.

The following changes are hereby made to the CONTRACT DOCUMENTS:

1. Add mobilization of mini excavator for removing additional concrete from driveways on 5/23/17. 1 EACH @ \$564.00/EACH = \$564.00
2. Add base aggregate dense including truck and laborer to fill in driveway at N169W20189 Chateau Drive on 5/23/17. 1 EACH @ \$408.00/EACH = \$408.00
3. Add minor grading and cleaning up of tree roots at N169W20189 Chateau Drive on 6/2/2017. 4 HOURS @ \$150/HOUR = \$600.00

Justification:

1. Additional concrete was removed from specific driveways to improve slope after Buteyn Peterson had mobilized from the project.
2. Driveway needed base aggregate placed in the interim due to removal of asphalt driveway bid items from contract.
3. Additional grading and clean up work required to improve final landscaping appearance.

Change to CONTRACT PRICE:

Original Contract Price: \$ 393,277.97

Current Contract Price adjusted by Previous Change Order: \$ 394,875.97

The Contract Price due to this Change Order will be increased by: \$ 1,572.00

The new Contract Price including this Change Order will be: \$ 396,447.97

Change to CONTRACT TIME:

Chateau Drive/2017

00560-1

Contract Change Order

The CONTRACT TIME will be (increased/decreased) by 0 calendar days.

The date for completion of all work will be June 2, 2017.

Accepted By: _____ Owner

Representing: Village of Jackson

Print Name/Title: Brian Kober

Date: _____

Recommended By:  _____ Engineer

Representing: Grenmer & Associates, Inc.

Print Name/Title: Jeff Chvosta

Date: 6/21/17

Requested By:  _____ Contractor

Representing: Buteyn-Peterson Construction Co., Inc.

Print Name/Title: Mark Haskins

Date: 6/21/17

BUTEYN-PETERSON Construction Co., Inc.

N7337 Dairyland Drive • Sheboygan, WI 53083 • 920-565-6200 • FAX 920-565-6203

Jeff Chvosta
Gremmer & Associates, Inc.
93 S. Pioneer Road
Fond du Lac, WI 54935

June 13, 2017

RE: Request for Change Order - CO 2 – Additional Items

Jeff,

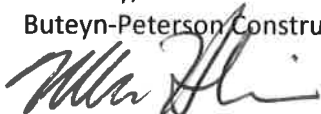
Each of the following items were specifically requested by the Village and are outside the scope of the Pay Items.

The quantities and prices for this work:

<u>DESCRIPTION</u>	<u>QTY</u>	<u>UNIT</u>	<u>PRICE</u>	<u>TOTAL</u>
Mobilization of Mini Excavator for removing additional concrete from driveways on 5/23/17 after BP had mobilized from site	1	EA	\$564.00	\$564.00
Fill in previous asphalt driveway at N169 W20189 with CAB including truck and laborer - requested 6/23/17 Pay item for restoring asphalt had been removed from contract	1	EA	\$408.00	\$408.00
Clean Up Tree Roots, Minor Grading, at N169 W20189 (Lawn Restoration Excluded) Village requested on 6/2/17 to clean up tree roots and make look nice	4	HRS	\$150.00	\$600.00
Additional Mobilization to install mailboxes that were not at curb when mailboxes were being installed. On 6/2/17, BP informed inspector and VM that BP would install mailboxes on 6/6/17. BP installed all 14 mailboxes that were visible from the street. VM called to let BP know 2 more mailboxes were available to be installed on 6/8/17. On 6/12/17 VM called BP to install one more mailbox. BP installed all 3 mailboxes the same day as requested.	2	EA	\$250.00	\$500.00
			TOTAL	\$2,072.00

Please contact me if you have any questions @ (920) 565-6200, or cell (920) 377-0428.

Sincerely,
Buteyn-Peterson Construction, Co.



Mark Haskins
Estimator/Project Manager

Buteyn-Peterson Construction Co., Inc is an Equal Opportunity Employer

Project 161031
Chateau Drive
Utility Roadway Reconstruction
2017

Pay Request
Buteyn Peterson - Prime Contractor

				Buteyn Peterson		Pay Request #1		Pay Request #2		Pay Request #3		Cumulative Totals		% Complete
Item No.	Description	Units	Total	Unit Price	Bid Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	Actual Quantity	Total	
ROADWAY ITEMS														
100.01	Removing Concrete	SY	880	\$2.50	\$2,200.00		\$0.00	1036	\$2,589.75			1036	\$2,589.75	118%
100.02	Removing Curb & Gutter	LF	1300	\$2.75	\$3,575.00		\$0.00	1308	\$3,597.00			1308	\$3,597.00	101%
100.03	Excavation Common	CY	1394	\$14.37	\$20,031.78		\$0.00	1394	\$20,031.78			1394	\$20,031.78	100%
100.04	Base Aggregate Dense 3/4-Inch	TON	470	\$13.14	\$6,175.80		\$0.00	470	\$6,175.80			470	\$6,175.80	100%
100.05	Base Aggregate Dense 1 1/4-Inch	TON	1850	\$10.64	\$19,684.00		\$0.00	1626	\$17,296.49			1626	\$17,296.49	88%
100.06	Breaker Run	TON	100	\$14.39	\$1,439.00		\$0.00	0	\$0.00			0	\$0.00	0%
100.07	Concrete Driveway 7-Inch	SY	865	\$40.60	\$35,119.00		\$0.00	1030	\$41,809.88			1030	\$41,809.88	119%
100.08	HMA Pavement LT 58-28 S	TON	750	\$58.61	\$43,957.50		\$0.00	715	\$41,902.63			715	\$41,902.63	95%
100.09	Asphaltic Surface Driveway	TON	9	\$179.11	\$1,611.99		\$0.00	0	\$0.00			0	\$0.00	0%
100.10	Concrete Curb & Gutter 30-Inch Type D	LF	1320	\$11.45	\$15,114.00		\$0.00	1306	\$14,953.70			1306	\$14,953.70	99%
100.11	Concrete Sidewalk 4-Inch	SF	4550	\$3.90	\$17,745.00		\$0.00	4704	\$18,346.38			4704	\$18,346.38	103%
100.12	Lawn Restoration	SY	1950	\$6.25	\$12,187.50		\$0.00	1837	\$11,481.25			1837	\$11,481.25	94%
100.13	Inlet Protection Type C	LS	10	\$50.00	\$500.00	6	\$300.00	4	\$200.00			10	\$500.00	100%
100.14	Traffic Control	LS	1	\$3,000.00	\$3,000.00		\$0.00	1	\$3,000.00			1	\$3,000.00	100%
100.15	Sawing Asphalt	LF	140	\$2.50	\$350.00		\$0.00	171	\$427.50			171	\$427.50	122%
100.16	Sawing Concrete	LF	310	\$3.30	\$1,023.00		\$0.00	274	\$904.20			274	\$904.20	88%
SUBTOTAL ROADWAY ITEMS					\$183,713.57		\$300.00		\$182,716.36				\$183,016.36	100%
STORM SEWER ITEMS														
200.01	Removing Manholes	EACH	2	\$350.00	\$700.00	2	\$700.00		\$0.00			2	\$700.00	100%
200.02	Removing Inlets	EACH	2	\$300.00	\$600.00	2	\$600.00		\$0.00			2	\$600.00	100%
200.03	Removing Storm Sewer	LF	330	\$8.25	\$2,722.50	330	\$2,722.50		\$0.00			330	\$2,722.50	100%
200.04	Storm Sewer Pipe PVC SDR-35 4-Inch	LF	1462	\$25.00	\$36,550.00		\$0.00	1341	\$33,525.00			1341	\$33,525.00	92%
200.05	Storm Sewer Pipe Reinforced Concrete 12-Inch	LF	95	\$53.00	\$5,035.00	95	\$5,035.00	-12	-\$636.00			83	\$4,399.00	87%
200.06	Storm Sewer Pipe Reinforced Concrete 15-Inch	LF	355	\$52.00	\$18,460.00	355	\$18,460.00	20	\$1,040.00			375	\$19,500.00	106%
200.07	Storm Sewer Pipe Reinforced Concrete 18-Inch	LF	215	\$55.00	\$11,825.00	215	\$11,825.00	-1	-\$55.00			214	\$11,770.00	100%
200.08	Catch Basins 2.5x3-FT w/ Casting	EACH	4	\$1,532.00	\$6,128.00	4	\$6,128.00		\$0.00			4	\$6,128.00	100%
200.09	Manholes 4-FT Diameter w/ Casting	EACH	3	\$2,079.00	\$6,237.00	3	\$6,237.00		\$0.00			3	\$6,237.00	100%
200.10	Manholes 5-FT Diameter w/ Casting	EACH	1	\$2,702.00	\$2,702.00	1	\$2,702.00		\$0.00			1	\$2,702.00	100%
200.11	Concrete Collar	EACH	2	\$375.00	\$750.00	0	\$0.00		\$0.00			0	\$0.00	0%
SUBTOTAL STORM SEWER ITEMS					\$91,709.50		\$54,409.50		\$33,874.00				\$88,283.50	96%
SANITARY SEWER ITEMS														
300.01	Adjusting Sanitary Manhole	EACH	3	\$420.00	\$1,260.00		\$0.00	3	\$1,260.00			3	\$1,260.00	100%
300.02	Remove & Replace Sanitary Manhole Bench	EACH	3	\$650.00	\$1,950.00	3	\$1,950.00		\$0.00			3	\$1,950.00	100%
SUBTOTAL SANITARY SEWER ITEMS					\$3,210.00		\$1,950.00		\$1,260.00				\$3,210.00	100%
WATER MAIN ITEMS														
400.01	Removing Hydrant	EACH	2	\$350.00	\$700.00	1	\$350.00	1	\$350.00			2	\$700.00	100%
400.02	Abandoning Water Main	LS	1	\$450.00	\$450.00		\$0.00	1	\$450.00			1	\$450.00	100%
400.03	Water Main Pipe HDPE 1 1/4-Inch	LF	750	\$66.00	\$49,500.00	745	\$49,170.00		\$0.00			745	\$49,170.00	99%
400.04	Water Main Pipe PVC C-900 6-Inch	LF	36	\$48.00	\$1,728.00	31	\$1,488.00		\$0.00			31	\$1,488.00	86%
400.05	Water Main Pipe PVC C-900 8-Inch	LF	625	\$73.50	\$45,937.50	616	\$45,276.00		\$0.00			616	\$45,276.00	99%
400.06	Gate Valve 6-Inch	EACH	2	\$1,300.00	\$2,600.00	2	\$2,600.00		\$0.00			2	\$2,600.00	100%
400.07	Gate Valve 8-Inch	EACH	1	\$1,740.00	\$1,740.00	1	\$1,740.00		\$0.00			1	\$1,740.00	100%
400.08	Reducer 8-Inch x 6-Inch	EACH	1	\$350.00	\$350.00	1	\$350.00		\$0.00			1	\$350.00	100%
400.09	Anchor Tee 8-Inch x 6-Inch	EACH	1	\$422.00	\$422.00	1	\$422.00		\$0.00			1	\$422.00	100%
400.10	Tee 8-Inch x 6-Inch	EACH	1	\$436.00	\$436.00	1	\$436.00		\$0.00			1	\$436.00	100%
400.11	Bend 11.25 Degree 8-Inch	EACH	2	\$324.00	\$648.00	1	\$324.00		\$0.00			1	\$324.00	50%
400.12	Bend 22.5 Degree 8-Inch	EACH	1	\$334.00	\$334.00	1	\$334.00		\$0.00			1	\$334.00	100%
400.13	Bend 45 Degree 8-Inch	EACH	1	\$338.00	\$338.00	1	\$338.00		\$0.00			1	\$338.00	100%
400.14	Bend 90 Degree 6-Inch	EACH	1	\$286.00	\$286.00	1	\$286.00		\$0.00			1	\$286.00	100%
400.15	Plug 6-Inch	EACH	1	\$129.00	\$129.00		\$0.00	1	\$129.00			1	\$129.00	100%
400.16	Connect to Existing Water Main	EACH	2	\$824.00	\$1,648.00	2	\$1,648.00		\$0.00			2	\$1,648.00	100%
400.17	Hydrant	EACH	2	\$3,632.00	\$7,264.00	2	\$7,264.00		\$0.00			2	\$7,264.00	100%
400.18	Polystyrene Insulation 4-Inch	SF	32	\$4.20	\$134.40	32	\$134.40		\$0.00			32	\$134.40	100%
	Change Order #1	LS	1	\$1,598.00				1	\$1,598.00			1	\$1,598.00	
	Change Order #2	LS	1	\$1,572.00						1	\$1,572.00	1	\$1,572.00	
	Liquidated Damages	Days	2	-\$1,000.00				2	-\$2,000.00			2	-\$2,000.00	
SUBTOTAL					\$114,644.90		\$112,160.40		\$527.00		\$1,572.00		\$114,259.40	
TOTAL					\$393,777.97		\$168,819.90		\$218,377.36		\$1,572.00		\$388,769.26	

Work completed, previous estimate	\$0.00	\$168,819.90	\$387,197.26
Work completed, this estimate	\$168,819.90	\$218,377.36	\$1,572.00
Total work completed	\$168,819.90	\$387,197.26	\$388,769.26
Retainage, this estimate	\$8,441.00	\$10,918.87	\$19,359.87
Total retainage, previous estimates	\$0.00	\$8,441.00	
Total retainage	\$8,441.00	\$19,359.87	\$19,359.87
Amount due to contractor, this estimate	\$160,378.90	\$207,458.49	\$1,572.00

VILLAGE OF JACKSON

CHATEAU DRIVE

PUNCHLIST

JUNE 23, 2017

Present during onsite walkthrough: Mark Haskins, Buteyn-Peterson (Project Manager); Ted Helleckson, Zenith Tech (concrete); Jeff McBain, Gremmer & Associates (Inspector); and Brian W. Kober, Village of Jackson.

Following are the items to be repaired or addressed during the time of the inspection. The list does not limit future items that possibly will need to be repaired or addressed:

1. Submit 2 year extended warranty on concrete.
2. Remove and take measures necessary to stabilize mailbox at W20262 Chateau.
3. Connect wire to curb box at W20295 Chateau. Village will complete.
4. Rub out excess concrete from all concrete surfaces.
5. Check inlets to see if tuck pointing is needed.
6. Monitor restoration and repair as needed.
7. Pull silt screen after proper grass growth is established.
8. Open manholes and inlets and clean if needed.
9. The Village will contact the Post Office to confirm mail delivery to the individual mail boxes at each property. After confirmation, the temporary bank of mailboxes at the corner of Chateau Drive and Wilshire Drive can be removed by Buteyn-Peterson.

Drafted by: Jeff McBain, Gremmer & Associates, and Brian W. Kober, Village of Jackson.

Memo

To: Board of Public Works
From: Brian W. Kober, P. E., Director of Public Works
Subject: Assessment Final Lift of Asphalt
Date: May 26, 2017
CC:

A quote was received from Payne & Dolan, Inc for the installation of the final lift of asphalt for Stonewall Drive, and Georgetown Drive known as Stonewall Development Phase 2. Payne & Dolan, Inc. gave two options for the final lift of asphalt.

The first option is an overlay of the existing pavement, although, the quote does not include base patching which has a cost of \$3.50 per sq. ft. So, option one would be close to the total cost of option two.

The second option is a total pavement removal and replacement, which will allow for a better product outcome.

Using option two which has a total cost of \$127,269.00, and having a total number of proposed and built condo units is 180, the estimate per cost of each unit is \$707.05.

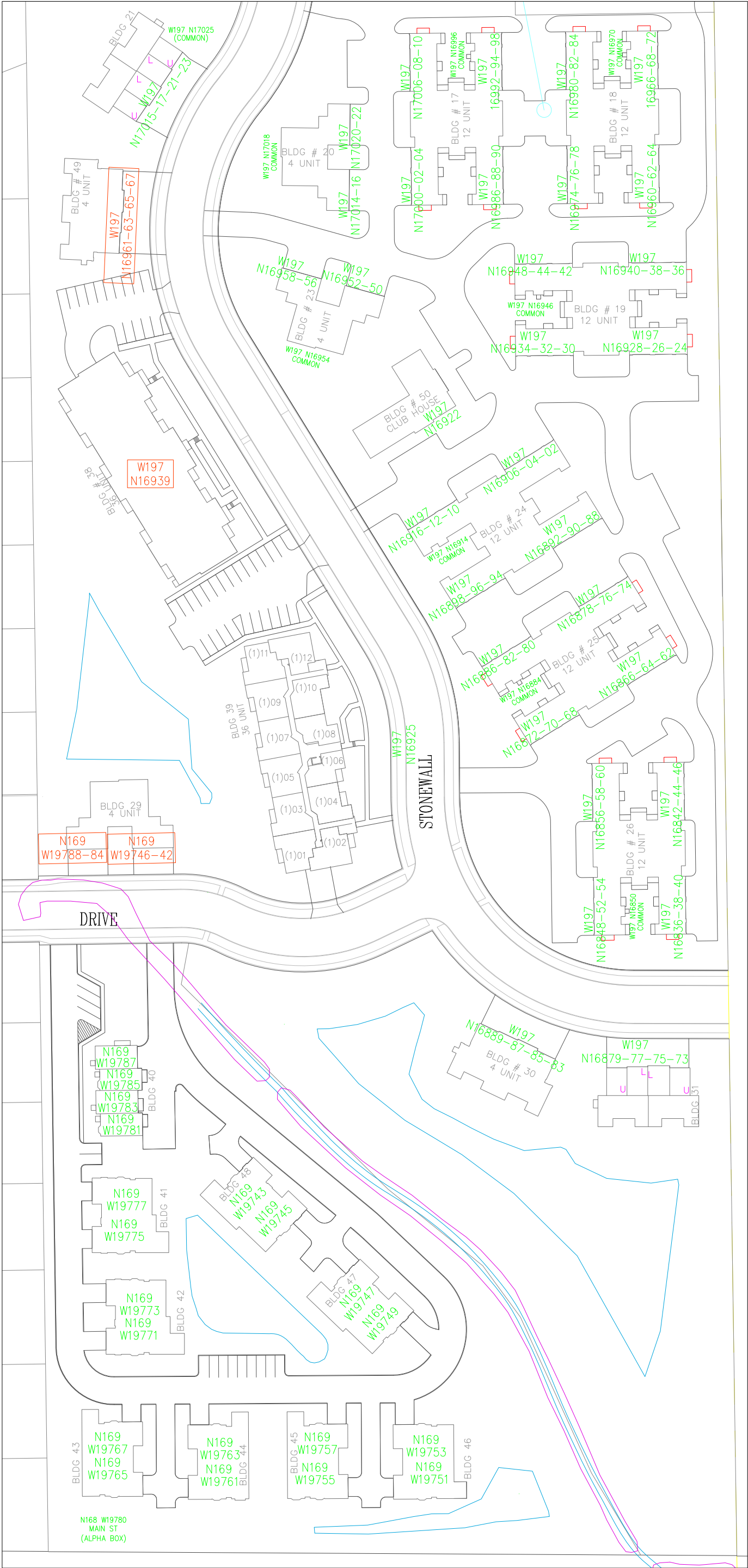
When using the same numbers for English Oaks: \$53.00 per foot and 1,274 ft of roadway, the estimated total is \$67,522.00, and 32 lots. The cost per lot is \$2,110.06.

All final lift costs do not include any curb and gutter repair or replacement.

If you have any questions please let me know.

Brian W. Kober, P.E.

Please note:
Boxed addresses in red have been changed from the previously assigned addresses.



Area Office
N173 W21120 Northwest Passage Way
Jackson, WI 53037

Payne & Dolan, Inc.



Michael R. Strobel
Direct: 262-677-5523
Cell: 262-366-5047
Fax: 262-677-5530
mstrobel@payneanddolan.com

PROPOSAL

SUBMITTED TO:

Village of Jackson
N168 W20733 Main St
Jackson WI 53037
Attn: Brian Kober

DATE: May 25, 2017**PHONE:** 262-677-9001**FAX:** 262-677-1710**JOB NAME:** Stonewall Dr & Georgetown Dr**JOB LOCATION:** Jackson**PLAN DATE:**

For furnishing the necessary labor, material and equipment to complete the following:

1- Stonewall Dr**Option 1-**

- Mill and remove from site all ramped asphalt curb and man holes
- Sweep, clean, and apply tack coat
- Furnish and install a 2" asphalt surface using a 12.5mm E-1 surface mix in the indicated area of 6,135 SY

PRICE: \$44,437.00**Option 2-**

- Pulverize all existing asphalt and remove any excess from site
- Fine grade pulverized material
- Furnish and install 4" asphalt pavement consisting of 2 1/4" binder course and 1 3/4" surface course

PRICE: \$96,044.00**2- Georgetown Dr****Option 1-**

- Mill and remove from site all ramped asphalt curb and man holes
- Sweep, clean and apply tack coat
- Furnish and install a 2" asphalt surface using a 12.5mm E-1 surface mix in the indicated area of 2,000 SY

PRICE: \$ 14,398.00**Option 2-**

- Pulverize all existing asphalt and remove any excess from site
- Fine grade pulverized material
- Furnish and install 4" asphalt pavement consisting of 2 1/4" binder course and 1 3/4" surface course

PRICE: \$31,225.00

NOTE: Price does not include and curb repairs, utility adjustments, base patching if needed

If you have any questions on this proposal, please call me at the contact information listed above.

Thank you,
Mike Strobel

FOR OFFICE USE ONLY
Financial Terms Approved Date

IF THIS PROPOSAL IS NOT ACCEPTED AND RETURNED WITHIN 10 DAYS FROM THE DATE OF THIS PROPOSAL OR IF THE WORK IS NOT COMPLETED BY September 1, 2017, PAYNE & DOLAN, INC. RESERVES THE RIGHT TO WITHDRAW THE PROPOSAL OR MODIFY THE TERMS OF THE PROPOSAL/CONTRACT.

PRIOR TO PAYNE & DOLAN, INC. BEGINNING WORK UNDER THIS CONTRACT, OWNER/CONTRACTOR SHALL PROVIDE EVIDENCE THAT THE FOLLOWING PAYMENT TERM IS MET OR PAID AND IS ACCEPTABLE TO PAYNE & DOLAN, INC. TO FULFILL THEIR OBLIGATIONS UNDER THIS CONTRACT: CONTRACT PAYMENT SCHEDULE

PLEASE CALL ASHLEY AT 262-677-5520 TO GET APPROVAL ON YOUR PROPOSED PAYMENT SCHEDULE OR TO MAKE PAYMENT ARRANGEMENTS.

FOR OFFICE USE ONLY

Financial Terms Approved

Date

PROPOSAL TERMS AND CONDITIONS

Prior to the commencement of the Work, the work of others shall be completed to such an extent that it will not in any way conflict or interfere with the Work. If Payne & Dolan, Inc. is directed to commence Work prior to the time such other work is completed, Owner/Contractor agrees to pay the costs of any extra mobilizations or reduced productivity attributable to Payne & Dolan, Inc. commencing any of the Work before any others have completed their work.

The total allowable number of working days under normal conditions required to complete the Work is 5 days. In order to meet any agreed upon completion date, Payne & Dolan, Inc. must receive a 10 day advance notice to proceed plus the total allowable number of working days required to complete the Work under normal conditions. Performance of the Work is contingent upon strikes, accidents or delays beyond Payne & Dolan, Inc.'s control.

Any changed condition of the job specifications involving extra costs will be performed only upon submission of a written change order, and Owner/Contractor will be required to pay to Payne & Dolan, Inc. an extra charge over and above the original contract price for performance of the requested change order.

Payne & Dolan, Inc. will not be responsible for damage to any underground utilities or other hidden conditions if the Owner/Contractor fails to give Payne & Dolan, Inc. advance notice of their existence and location. Owner/Contractor agrees to indemnify and hold Payne & Dolan, Inc. harmless for any loss, expense or damage resulting from, arising out of, or in any way related to such condition.

Physical access by heavy equipment and material delivery vehicles to the site that is the subject of this contract may result in physical damage to property including but not limited to existing pavement, landscape or structures. Payne & Dolan, Inc. will cooperate with the Owner/Contractor in finding alternative access solutions, but the Owner/Contractor does hereby release and hold harmless Payne & Dolan, Inc. from any claims for physical damage caused from access to the site. Owner/Contractor agrees that any physical damage to property caused by Payne & Dolan, Inc.'s heavy equipment and material delivery vehicles in the process of gaining access to the site, where no other access options have been made available, shall be the responsibility of the Owner/Contractor.

Payne & Dolan, Inc. will not be responsible for any restoration of adjacent areas disturbed as a result of construction, including, but not limited to, stone shoulder, adjustment of drainage structures or landscaping that may need to be performed to allow for proper drainage of water from the surface of the new pavement unless otherwise agreed to in the scope of work.

Any claim for property damage is conclusively waived unless presented to Payne & Dolan, Inc. in writing within seven (7) calendar days of the occurrence.

All materials and labor are conclusively accepted as satisfactory unless objected to in writing within seven (7) calendar days of performance.

"AS REQUIRED BY THE WISCONSIN CONSTRUCTION LIEN LAW, BUILDER (PAYNE & DOLAN, INC.) HEREBY NOTIFIES OWNER THAT PERSONS OR COMPANIES FURNISHING LABOR OR MATERIALS FOR THE CONSTRUCTION ON OWNER'S LAND MAY HAVE LIEN RIGHTS ON OWNER'S LAND AND BUILDINGS IF NOT PAID. THOSE ENTITLED TO LIEN RIGHTS, IN ADDITION TO THE UNDERSIGNED BUILDER, ARE THOSE WHO CONTRACT DIRECTLY WITH THE OWNER OR THOSE WHO GIVE THE OWNER NOTICE WITHIN 60 DAYS AFTER THEY FIRST FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION. ACCORDINGLY, OWNER PROBABLY WILL RECEIVE NOTICES FROM THOSE WHO FURNISH LABOR OR MATERIALS FOR THE CONSTRUCTION, AND SHOULD GIVE A COPY OF EACH NOTICE RECEIVED TO HIS MORTGAGE LENDER, IF ANY, TO SEE THAT ALL POTENTIAL LIEN CLAIMANTS ARE DULY PAID."

Owner/Contractor, at its sole expense, shall comply with and obtain all necessary licenses and permits under present and future laws, statutes, ordinances, rules, orders or regulations of any governmental body having jurisdiction over the site, the Work, or the Owner/Contractor shall bear the sole cost of any fines or penalties for failure to comply with or obtain the same and shall indemnify and hold Payne & Dolan, Inc. harmless for any fine, penalty or expense resulting from, arising out of, or in any way related to Owner/Contractor's violations under this paragraph.

Payne & Dolan, Inc. proposes to furnish material and labor - complete in accordance with above specifications and prices. Payne & Dolan, Inc. is entitled to final payment upon substantial completion of the "Work" required herein. Terms of payment shall be net on receipt of invoice. A 1.5% per month service charge shall be charged on all outstanding balances. Upon receipt of payment in full, Payne & Dolan, Inc. will provide a lien waiver required by Owner/Contractor.

If any amount due under this contract is not paid when due, is referred to any attorney for collection (whether or not litigation is commenced), or if any legal advice, services or action shall be necessary, Owner/Contractor agrees to pay all attorney's fees, costs and expenses incurred by Payne & Dolan, Inc. in connection with collecting that amount.

This proposal is contingent upon the express agreement that indemnification, defense, waiver of subrogation and additional insured status, if required by the Owner/Contractor, shall be provided by Payne & Dolan, Inc. but only to the extent of Payne & Dolan, Inc.'s negligence. Owner/Contractor to carry fire, tornado and other necessary insurance. Payne & Dolan, Inc.'s workers are fully covered by Workers' Compensation insurance.

All material is guaranteed to be as specified. All Work to be completed in a workmanlike manner according to standard practices. Payne & Dolan, Inc.'s warranty excludes remedy for damage or defect caused by abuse, modifications not executed by Payne & Dolan, Inc., its subcontractors or suppliers, improper or insufficient maintenance, improper operation, normal wear and tear under normal usage or excessive manipulation over the original design criteria. Payne & Dolan, Inc.'s warranty for material and workmanship is for the term of one year from Payne & Dolan, Inc.'s last substantial labor date and is in lieu of any other warranty or remedy required by law.

Payne & Dolan, Inc. reserves the right to refuse to construct a pavement unless minimum grades of 1% are attainable for surface drainage. If the Owner/Contractor directs construction with less than a minimum grade of 1% or if the plans do not provide 1% drainage in all

directions, it is understood and agreed that waterponding may occur and that no warranty will attach to the Work. Payne & Dolan, Inc. is not responsible for the redesigning of plan grades in order to establish a minimum of 1% drainage.

Subgrade/Aggregate Base: The Owner/Contractor is responsible to furnish Payne & Dolan, Inc. a suitable subgrade/aggregate base having the ability to support the maximum axle loads transmitted from the heaviest construction and/or vehicle traffic anticipated as not to cause any deformation to the subgrade/aggregate base. All subgrade must be rough graded by Owner/Contractor to within $\pm 0.1'$ of the proposed plan subgrade elevations.

Heaving and Cracking: Heaving of asphalt pavements caused by, but not limited to, wet conditions, expansive soils and freeze-thaw cycles, is not the responsibility of Payne & Dolan, Inc. Cracking of asphalt pavements caused by, but not limited to, freeze-thaw cycles, excessive drying of expansive soils, clay soils and reflective cracking, is not the responsibility of Payne & Dolan, Inc.

Fine Grading of Aggregate Base by Payne & Dolan, Inc.: If Payne & Dolan, Inc. fine grades the surface to be paved, the Owner/Contractor shall furnish a surface rough graded to within $\pm 0.1'$ of the proposed plan aggregate base course elevations.

Fine Grading of Aggregate Base by Others: If Owner/Contractor fine grades the surface to be paved, Payne & Dolan, Inc. may choose to request additional work to correct the surface to be paved for (but not limited to) stability, surface drainage, slope and elevation. Additional corrective work will be done at no cost to Payne & Dolan, Inc.

If Wisconsin DOT Standard Specifications are being used, this proposal excludes the following:

450.3.2.1.1 and 450.3.2.1.2 Preparation and Paving Operations and Cold Weather Paving: Payne & Dolan, Inc. will provide the best quality pavement achievable based on all other required standard specifications.

450.3.2.9 Testing (Ride Quality): Payne & Dolan, Inc. will provide the best quality ride achievable based on all other required standard specifications.

455.2.2 and 455.2.3 Sampling and Testing (Asphaltic Materials): Payne & Dolan, Inc. will provide Owner/Contractor a Wisconsin approved mix design and all other material requirements per section 460. Payne & Dolan, Inc. will perform daily quality control mixture testing at Owner/Contractor's request.

460.2.8.2 Contractor Testing: Payne & Dolan, Inc. will provide Owner/Contractor a Wisconsin approved mix design and all other material requirements per section 460. Payne & Dolan, Inc. will perform daily quality control mixture testing at Owner/Contractor's request.

When resurfacing concrete, brick or asphalt pavements, Payne & Dolan, Inc. is not responsible for the reproduction of cracks or expansion joints which may occur.

If any other agreement is entered into between the parties, the terms of this agreement shall be incorporated into any such agreement and shall supersede any conflicting terms contained therein.

Authorized Signature: _____

Mike Strobel, Project Manager

Acceptance of Proposal - The above prices, specifications and terms and conditions are satisfactory and are hereby accepted. Payne & Dolan, Inc. is authorized by Owner/Contractor to do the Work as specified. Payment will be made to Payne & Dolan, Inc. by Owner/Contractor as outlined above. If separate bids or alternate bids are indicated, acknowledge acceptance by initialing those prices which you hereby accept.

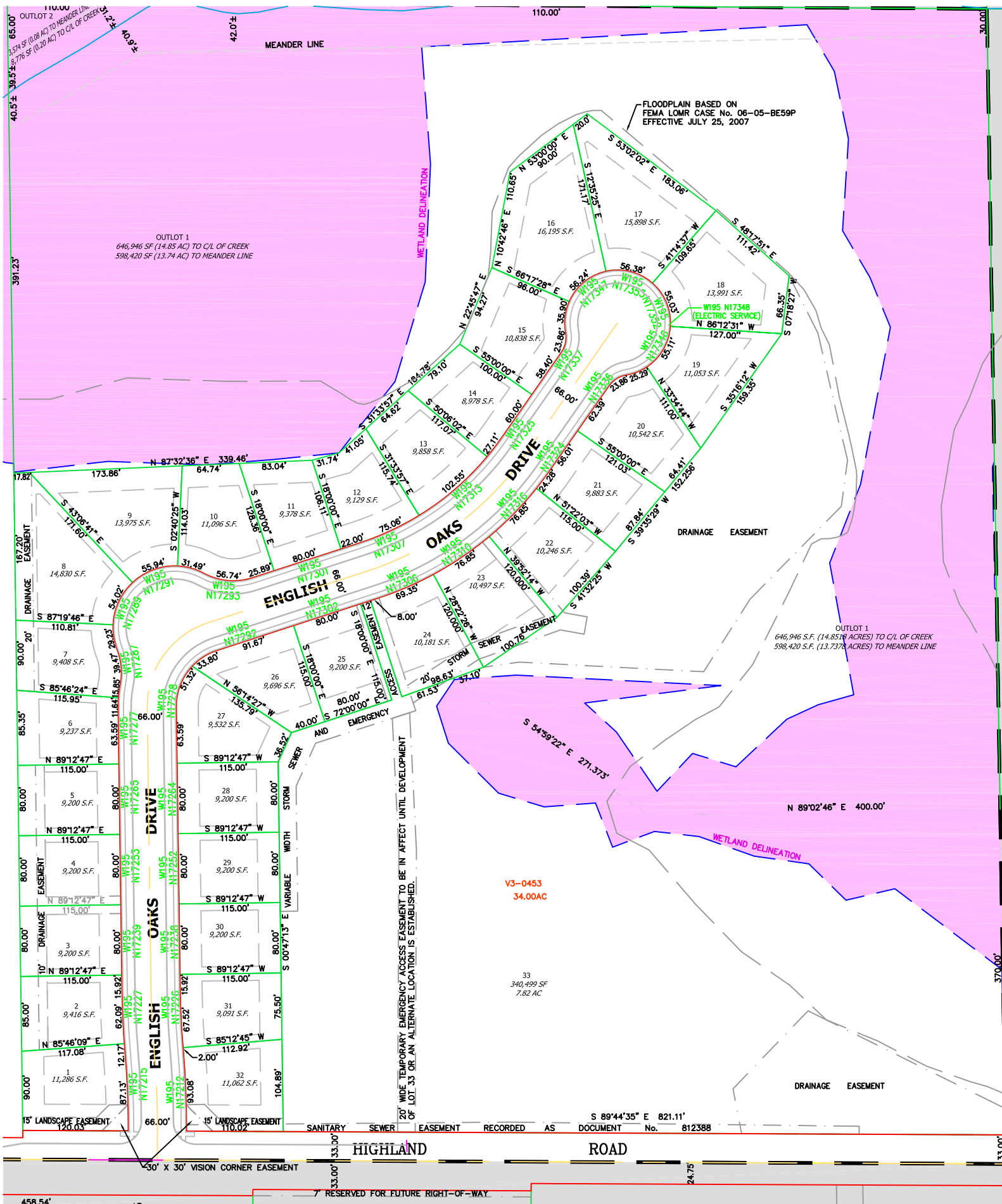
Owner/Contractor: _____

Date: _____

Signature: _____

Job Name: Stonewall Dr & Georgetown Dr

Date of Proposal: May 25, 2017



RESOLUTION #17-14

A RESOLUTION ADOPTING THE 2016 COMPLIANCE MAINTENANCE ANNUAL REPORT FOR THE JACKSON WASTEWATER TREATMENT FACILITY

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

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

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

Introduced by: _____

Seconded by: _____

Vote: _____ Aye _____ Nay

Passed and Approved: _____

Michael E. Schwab – Village President

Attest: _____
Deanna L. Boldrey – Village Clerk-Treasurer

Proof of Posting:

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

Village Official

Date

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:

6/19/2017

2016

Influent Flow and Loading

1. Monthly Average Flows and (C)BOD Loadings

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

Outfall No. 701	Influent Monthly Average Flow, MGD	x	Influent Monthly Average (C)BOD Concentration mg/L	x	8.34	=	Influent Monthly Average (C)BOD Loading, lbs/day
January	0.6113	x	208	x	8.34	=	1,060
February	0.6408	x	222	x	8.34	=	1,186
March	0.8218	x	162	x	8.34	=	1,109
April	0.7188	x	218	x	8.34	=	1,305
May	0.6156	x	271	x	8.34	=	1,392
June	0.6227	x	327	x	8.34	=	1,697
July	0.6909	x	288	x	8.34	=	1,657
August	1.0395	x	306	x	8.34	=	2,657
September	1.3329	x	191	x	8.34	=	2,124
October	1.3198	x	210	x	8.34	=	2,308
November	1.1113	x	251	x	8.34	=	2,323
December	1.2107	x	239	x	8.34	=	2,417

2. Maximum Monthly Design Flow and Design (C)BOD Loading

2.1 Verify the design flow and loading for your facility.

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

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

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

0

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/19/2017 2016

3. Flow Meter

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

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

07/19/2016

☐ No

If No, please explain:

4. Sewer Use Ordinance

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

☒ Yes

☐ No

If No, please explain:

4.2 Was it necessary to enforce the ordinance?

☐ Yes

☒ No

If Yes, please explain:

5. Septage Receiving

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

Septic Tanks

Holding Tanks

Grease Traps

☒ Yes

☒ Yes

☒ Yes

☐ No

☐ No

☐ No

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

Septic Tanks

☒ Yes 3243094 gallons

☐ No

Holding Tanks

☒ Yes 17811600 gallons

☐ No

Grease Traps

☐ Yes 0 gallons

☒ No

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

Holding, Septage and Septage decant is offloaded into two holding tanks (aprox 126,000 gals) then metered into the Influent stream eliminating slug loading to the process. No grease traps this year.

6. Pretreatment

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

☐ Yes

☒ No

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

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/19/2017 2016

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

☐ Yes

☒ No

If yes, describe the types of wastes received and any procedures or other restrictions that were in place to protect the facility from the discharge of hauled industrial wastes.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

Compliance Maintenance Annual Report

Jackson (Village) Wastewater Treatment Plant

Last Updated: Reporting For:
6/19/2017 2016

Effluent Quality and Plant Performance (BOD/CBOD)

1. Effluent (C)BOD Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit > 10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	17	15.3	4	1	0	0
February	17	15.3	5	1	0	0
March	17	15.3	9	1	0	0
April	17	15.3	8	1	0	0
May	12	10.8	9	1	0	0
June	12	10.8	7	1	0	0
July	12	10.8	5	1	0	0
August	12	10.8	4	1	0	0
September	12	10.8	3	1	0	0
October	12	10.8	3	1	0	0
November	17	15.3	4	1	0	0
December	17	15.3	5	1	0	0

* Equals limit if limit is <= 10

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

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

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

2. Flow Meter Calibration

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

• Yes

Enter last calibration date (MM/DD/YYYY)

07/19/2016

o No

If No, please explain:

3. Treatment Problems

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

no issues

4. Other Monitoring and Limits

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

o Yes

• No

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If Yes, please explain:

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

☐ Yes

☒ No

If Yes, please explain:

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

☐ Yes

☐ No

☒ N/A

Please explain unless not applicable:

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Effluent Quality and Plant Performance (Total Suspended Solids)

1. Effluent Total Suspended Solids Results

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

Outfall No. 001	Monthly Average Limit (mg/L)	90% of Permit Limit >10 (mg/L)	Effluent Monthly Average (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance	90% Permit Limit Exceedance
January	12	10.8	3	1	0	0
February	12	10.8	3	1	0	0
March	12	10.8	5	1	0	0
April	12	10.8	3	1	0	0
May	12	10.8	7	1	0	0
June	12	10.8	6	1	0	0
July	12	10.8	3	1	0	0
August	12	10.8	2	1	0	0
September	12	10.8	2	1	0	0
October	12	10.8	1	1	0	0
November	12	10.8	2	1	0	0
December	12	10.8	2	1	0	0

* Equals limit if limit is <= 10

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

0

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

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

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

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Effluent Quality and Plant Performance (Ammonia - NH3)

1. Effluent Ammonia Results

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

Outfall No. 001	Monthly Average NH3 Limit (mg/L)	Weekly Average NH3 Limit (mg/L)	Effluent Monthly Average NH3 (mg/L)	Monthly Permit Limit Exceed ance	Effluent Weekly Average for Week 1	Effluent Weekly Average for Week 2	Effluent Weekly Average for Week 3	Effluent Weekly Average for Week 4	Weekly Permit Limit Exceed ance
January	7		.22235294	1 0					
February	7		.85705882	4 0					
March	7		3.365	0					
April	4.3		2.28625	0					
May	5.7		.28611111	1 0					
June	3.9		.57444444	4 0					
July	3.9		.44529411	8 0					
August	3.9		.78111111	1 0					
September	3.9		.20705882	4 0					
October	4.3		.30166666	7 0					
November	7		.55529411	8 0					
December	7		.43	0					
Points per each exceedance of Monthly average:									10
Exceedances, Monthly:									0
Points:									0
Points per each exceedance of weekly average (when there is no monthly average):									2.5
Exceedances, Weekly:									0
Points:									0
Total Number of Points									0

0

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

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

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Effluent Quality and Plant Performance (Phosphorus)

1. Effluent Phosphorus Results

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

Outfall No. 001	Monthly Average phosphorus Limit (mg/L)	Effluent Monthly Average phosphorus (mg/L)	Months of Discharge with a Limit	Permit Limit Exceedance
January	1	0.7	1	0
February	1	0.5	1	0
March	1	0.7	1	0
April	1	0.5	1	0
May	1	0.6	1	0
June	1	0.7	1	0
July	1	0.8	1	0
August	1	0.9	1	0
September	1	0.8	1	0
October	1	0.7	1	0
November	1	0.7	1	0
December	1	0.7	1	0
Months of Discharge/yr			12	
Points per each exceedance with 12 months of discharge:				10
Exceedances				0
Total Number of Points				0

0

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

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

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

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Biosolids Quality and Management

1. Biosolids Use/Disposal

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

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

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

1.1.1 If you checked Other, please describe:

2. Land Application Site

2.1 Last Year's Approved and Active Land Application Sites

2.1.1 How many acres did you have?

1246.50 acres

2.1.2 How many acres did you use?

130 acres

2.2 If you did not have enough acres for your land application needs, what action was taken?

2.3 Did you overapply nitrogen on any of your approved land application sites you used last year?

☐ Yes (30 points)

☒ No

2.4 Have all the sites you used last year for land application been soil tested in the previous 4 years?

☒ Yes

☐ No (10 points)

☐ N/A

3. Biosolids Metals

Number of biosolids outfalls in your WPDES permit:

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

Outfall No. 002 - ANAEROBIC LIQUID

Parameter	80% of Limit	H.Q. Limit	Ceiling Limit	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	80% Value	High Quality	Ceiling
Arsenic		41	75				6.13										0	0
Cadmium		39	85				.8										0	0
Copper		1500	4300		935		954			1020			1010				0	0
Lead		300	840				49.3										0	0
Mercury		17	57		1.31		.836			1.79			1.29				0	0
Molybdenum	60		75				6.89									0		0
Nickel	336		420				26.2									0		0
Selenium	80		100				<12.4									0		0
Zinc		2800	7500				1060										0	0

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

Exceedence Points

☒ 0 (0 Points)

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o 1-2 (10 Points)

o > 2 (15 Points)

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

o Yes

o No (10 points)

● N/A - Did not exceed limits or no HQ limit applies (0 points)

o N/A - Did not land apply biosolids until limit was met (0 points)

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

Exceedence Points

● 0 (0 Points)

o 1 (10 Points)

o > 1 (15 Points)

3.1.4 Were biosolids land applied which exceeded the ceiling limit?

o Yes (20 Points)

● No (0 Points)

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

0

4. Pathogen Control (per outfall):

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

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	01/01/2016 - 12/31/2016
Density:	89,244
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	04/01/2016 - 06/30/2016
Density:	89,244
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

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Outfall Number:	002
Biosolids Class:	B
Bacteria Type and Limit:	Fecal Coliform
Sample Dates:	07/01/2016 - 09/30/2016
Density:	89,244
Sample Concentration Amount:	CFU/G TS
Requirement Met:	Yes
Land Applied:	Yes
Process:	Anaerobic Digestion
Process Description:	Anaerobic Digestion

0

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

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

☐ Yes (40 Points)

☒ No

If yes, what action was taken?

5. Vector Attraction Reduction (per outfall):

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

Outfall Number:	002
Method Date:	12/31/2016
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	06/30/2016
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

Outfall Number:	002
Method Date:	09/30/2016
Option Used To Satisfy Requirement:	Injection when land apply
Requirement Met:	Yes
Land Applied:	Yes
Limit (if applicable):	
Results (if applicable):	

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

☐ Yes (40 Points)

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• No If yes, what action was taken?	0
6. Biosolids Storage 6.1 How many days of actual, current biosolids storage capacity did your wastewater treatment facility have either on-site or off-site? • >= 180 days (0 Points) ○ 150 - 179 days (10 Points) ○ 120 - 149 days (20 Points) ○ 90 - 119 days (30 Points) ○ < 90 days (40 Points) ○ N/A (0 Points) 6.2 If you checked N/A above, explain why.	0
7. Issues 7.1 Describe any outstanding biosolids issues with treatment, use or overall management: Badger State goes a great jog managing the field sites	

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Jackson (Village) Wastewater Treatment Plant

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Staffing and Preventative Maintenance (All Treatment Plants)

1. Plant Staffing

1.1 Was your wastewater treatment plant adequately staffed last year?

☒ Yes

☐ No

If No, please explain:

Could use more help/staff for:

1.2 Did your wastewater staff have adequate time to properly operate and maintain the plant and fulfill all wastewater management tasks including recordkeeping?

☒ Yes

☐ No

If No, please explain:

2. Preventative Maintenance

2.1 Did your plant have a documented AND implemented plan for preventative maintenance on major equipment items?

☒ Yes (Continue with question 2)

☐ No (40 points)

If No, please explain, then go to question 3:

2.2 Did this preventative maintenance program depict frequency of intervals, types of lubrication, and other tasks necessary for each piece of equipment?

☒ Yes

☐ No (10 points)

2.3 Were these preventative maintenance tasks, as well as major equipment repairs, recorded and filed so future maintenance problems can be assessed properly?

☒ Yes

☐ Paper file system

☐ Computer system

☒ Both paper and computer system

☐ No (10 points)

0

3. O&M Manual

3.1 Does your plant have a detailed O&M and Manufacturer Equipment Manuals that can be used as a reference when needed?

☒ Yes

☐ No

4. Overall Maintenance /Repairs

4.1 Rate the overall maintenance of your wastewater plant.

☐ Excellent

☒ Very good

☐ Good

☐ Fair

☐ Poor

Describe your rating:

The Village has given the resources to maintain the plant O & M program in a efficient manner.

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Operator Certification and Education

1. Operator-In-Charge

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

- Yes (0 points)
- No (20 points)

Name:

DANIEL J WAALA

Certification No:

19632

0

2. Certification Requirements

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

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

0

2.2 Was the operator-in-charge certified at the appropriate level and subclass(es) to operate this plant? (Note: Certification in subclass SS, N and A5 not required in 2016; subclass SS is basic level only.)

- Yes (0 points)
- No (20 points)

3. Succession Planning

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

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

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

0

4. Continuing Education Credits

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

OIT and Basic Certification:

- ☐ Averaging 6 or more CECs per year.
- ☐ Averaging less than 6 CECs per year.

Advanced Certification:

- ☒ Averaging 8 or more CECs per year.
- ☐ Averaging less than 8 CECs per year.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Financial Management

1. Provider of Financial Information

Name:

Brian W Kober

Telephone:

(262)-677-9001

(XXX) XXX-XXXX

E-Mail Address
(optional):

dirpubwks@villageofjackson.com

2. Treatment Works Operating Revenues

2.1 Are User Charges or other revenues sufficient to cover O&M expenses for your wastewater treatment plant AND/OR collection system ?

● Yes (0 points)

○ No (40 points)

If No, please explain:

2.2 When was the User Charge System or other revenue source(s) last reviewed and/or revised?
Year:

2016

● 0-2 years ago (0 points)

○ 3 or more years ago (20 points)

○ N/A (private facility)

2.3 Did you have a special account (e.g., CWFP required segregated Replacement Fund, etc.) or financial resources available for repairing or replacing equipment for your wastewater treatment plant and/or collection system?

● Yes (0 points)

○ No (40 points)

REPLACEMENT FUNDS [PUBLIC MUNICIPAL FACILITIES SHALL COMPLETE QUESTION 3]

3. Equipment Replacement Funds

3.1 When was the Equipment Replacement Fund last reviewed and/or revised?

Year:

2016

● 1-2 years ago (0 points)

○ 3 or more years ago (20 points)

○ N/A

If N/A, please explain:

3.2 Equipment Replacement Fund Activity

3.2.1 Ending Balance Reported on Last Year's CMAR

\$ 909,201.26

3.2.2 Adjustments - if necessary (e.g. earned interest, audit correction, withdrawal of excess funds, increase making up previous shortfall, etc.)

+

\$ 257.43

3.2.3 Adjusted January 1st Beginning Balance

\$ 909,458.69

3.2.4 Additions to Fund (e.g. portion of User Fee, earned interest, etc.)

+

\$ 225,604.00

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

\$ 192,931.20

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

\$ 942,131.49

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

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

Digester Mixing Project, New Vac Truck

3.3 What amount should be in your Replacement Fund? \$ 225,604.00

0

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

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

• Yes

o No

If No, please explain.

4. Future Planning

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

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

o No

Project #	Project Description	Estimated Cost	Approximate Construction Year
1	The plants SCADA System is being upgraded in a Two year program to allow for more effective Data collection and communication.	500000	2017

5. Financial Management General Comments

ENERGY EFFICIENCY AND USE

6. Collection System

6.1 Energy Usage

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

COLLECTION SYSTEM PUMPAGE: Total Power Consumed

Number of Municipally Owned Pump/Lift Stations: 1

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	Electricity Consumed (kWh)	Natural Gas Consumed (therms)
January	431	
February	383	
March	327	
April	338	
May	263	
June	260	
July	197	
August	169	
September	251	
October	248	
November	275	
December	360	
Total	3,502	0
Average	292	0

6.1.2 Comments:

Very small lift station

6.2 Energy Related Processes and Equipment

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

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

Wet well level, Pump timers

6.2.2 Comments:

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

- ☒ No
- ☐ Yes

Year:

By Whom:

Describe and Comment:

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6.4 Future Energy Related Equipment

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

none

7. Treatment Facility

7.1 Energy Usage

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

TREATMENT PLANT: Total Power Consumed/Month

	Electricity Consumed (kWh)	Total Influent Flow (MG)	Electricity Consumed/ Flow (kWh/MG)	Total Influent BOD (1000 lbs)	Electricity Consumed/ Total Influent BOD (kWh/1000lbs)	Natural Gas Consumed (therms)
January	106,800	18.95	5,636	32.86	3,250	5,669
February	86,400	18.58	4,650	34.39	2,512	3,315
March	80,560	25.48	3,162	34.38	2,343	1,811
April	91,040	21.56	4,223	39.15	2,325	2,104
May	90,880	19.08	4,763	43.15	2,106	728
June	53,360	18.68	2,857	50.91	1,048	107
July	33,600	21.42	1,569	51.37	654	29
August	61,600	32.22	1,912	82.37	748	158
September	68,880	39.99	1,722	63.72	1,081	507
October	83,120	40.91	2,032	71.55	1,162	503
November	84,640	33.34	2,539	69.69	1,215	930
December	104,240	37.53	2,778	74.93	1,391	2,726
Total	945,120	327.74		648.47		18,587
Average	78,760	27.31	3,154	54.04	1,653	1,549

7.1.2 Comments:

7.2 Energy Related Processes and Equipment

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

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

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7.2.2 Comments:

7.3 Future Energy Related Equipment

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

Replacing 5 VFD and a new SCADA System

8. Biogas Generation

8.1 Do you generate/produce biogas at your facility?

☐ No

☒ Yes

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

☒ Flared Off

☒ Building Heat

☒ Process Heat

☐ Generate Electricity

☐ Other:

9. Energy Efficiency Study

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

☒ No

☐ Yes

☐ Entire facility

Year:

By Whom:

Describe and Comment:

☐ Part of the facility

Year:

By Whom:

Describe and Comment:

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Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Sanitary Sewer Collection Systems

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

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

- ☒ Yes
- ☐ No

If No, explain:

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

- ☒ Yes
- ☐ No (30 points)
- ☐ N/A

If No or N/A, explain:

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

☒ Goals [NR 210.23 (4)(a)]

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

Prevent Overflows, Promote safety by use of proper equipment and training, Rehabilitation and replacement of collection system, preventative maintenance.

Did you accomplish them?

- ☒ Yes
- ☐ No

If No, explain:

☒ Organization [NR 210.23 (4) (b)]

Does this chapter of your CMOM include:

- ☒ Organizational structure and positions (eg. organizational chart and position descriptions)
- ☒ Internal and external lines of communication responsibilities
- ☒ Person(s) responsible for reporting overflow events to the department and the public

☒ Legal Authority [NR 210.23 (4) (c)]

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

Sewer Use Ordinance

If you have a Sewer Use Ordinance or other similar document, when was it last reviewed and revised? (MM/DD/YYYY) 05/14/2009

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

- ☒ Private property inflow and infiltration
- ☒ New sewer and building sewer design, construction, installation, testing and inspection
- ☒ Rehabilitated sewer and lift station installation, testing and inspection
- ☒ Sewage flows satellite system and large private users are monitored and controlled, as necessary
- ☒ Fat, oil and grease control
- ☒ Enforcement procedures for sewer use non-compliance

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

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

- ☒ Equipment and replacement part inventories
- ☒ Up-to-date sewer system map

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- ☒ A management system (computer database and/or file system) for collection system information for O&M activities, investigation and rehabilitation
- ☒ A description of routine operation and maintenance activities (see question 2 below)
- ☒ Capacity assessment program
- ☒ Basement back assessment and correction
- ☒ Regular O&M training

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

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

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

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

Does your emergency response capability include:

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

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

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

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

2. Operation and Maintenance

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

Cleaning	13.2	% of system/year
Root removal	0	% of system/year
Flow monitoring	0	% of system/year
Smoke testing	0	% of system/year
Sewer line televising	9.49	% of system/year
Manhole inspections	13.9	% of system/year
Lift station O&M	2	# per L.S./year
Manhole rehabilitation	.28	% of manholes rehabbed
Mainline rehabilitation	.18	% of sewer lines rehabbed
Private sewer inspections	4.95	% of system/year

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Private sewer I/I
removal

% of private services

River or water
crossings

% of pipe crossings evaluated or maintained

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

3. Performance Indicators

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

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

3.2 Performance ratios for the past year:

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

4. Overflows

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

Date	Location	Cause	Estimated Volume (MG)
None reported			

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

5. Infiltration / Inflow (I/I)

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

- ☐ Yes
☒ No

If Yes, please describe:

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

- ☐ Yes

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- No

If Yes, please describe:

5.3 Explain any infiltration/inflow (I/I) changes this year from previous years:

Replaced 396 feet of Main line sewer line on Wilshire along with 2 complete manholes and rehab of 4 others. Televised 149 private laterals with 13 issues that need addressed.

5.4 What is being done to address infiltration/inflow in your collection system?

The Village will continue to address I/I by replacing old main line that is failing, manhole repair or replacement as needed. Replacing private laterals that are found to be failing through lateral inspection.

Total Points Generated	0
Score (100 - Total Points Generated)	100
Section Grade	A

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Grading Summary

WPDES No: 0021806

SECTIONS	LETTER GRADE	GRADE POINTS	WEIGHTING FACTORS	SECTION POINTS
Influent	A	4	3	12
BOD/CBOD	A	4	10	40
TSS	A	4	5	20
Ammonia	A	4	5	20
Phosphorus	A	4	3	12
Biosolids	A	4	5	20
Staffing/PM	A	4	1	4
OpCert	A	4	1	4
Financial	A	4	1	4
Collection	A	4	3	12
TOTALS			37	148
GRADE POINT AVERAGE (GPA) = 4.00				

Notes:

A = Voluntary Range (Response Optional)

B = Voluntary Range (Response Optional)

C = Recommendation Range (Response Required)

D = Action Range (Response Required)

F = Action Range (Response Required)

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Resolution or Owner's Statement

Name of Governing
Body or Owner:

Village of Jackson

Date of Resolution or
Action Taken:

07/11/2017

Resolution Number:

17-14

Date of Submittal:

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

Influent Flow and Loadings: Grade = A

Effluent Quality: BOD: Grade = A

Effluent Quality: TSS: Grade = A

Effluent Quality: Ammonia: Grade = A

Effluent Quality: Phosphorus: Grade = A

Biosolids Quality and Management: Grade = A

Staffing: Grade = A

Operator Certification: Grade = A

Financial Management: Grade = A

Collection Systems: Grade = A

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

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

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

G.P.A. = 4.00

Public Works Report

June 27, 2017

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

Year 2015

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

Year 2016

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

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD
April	Avg. Flow 1.552 MGD	Min. Flow 1.049 MGD	Max. 2.446 MGD
May	Avg. Flow 1.392 MGD	Min. Flow 666,000 g.p.d.	Max. 2.588 MGD

Years Summary of Water Consumption

2004 Total Pumpage 216,055,000 gallons	2005 Total Pumpage 223,215,000 gallons
2006 Total Pumpage 207,719,000 gallons	2007 Total Pumpage 217,224,000 gallons
2008 Total Pumpage 229,613,000 gallons	2009 Total Pumpage 231,160,000 gallons
2010 Total Pumpage 239,326,000 gallons	2011 Total Pumpage 240,268,000 gallons
2012 Total Pumpage 253,492,000 gallons	2013 Total Pumpage 228,371,000 gallons
2014 Total Pumpage 230,973,000 gallons	2015 Total Pumpage 222,621,000 gallons
2016 Total Pumpage 254,531,000 gallons	

Year 2015

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

Year 2016

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

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals.	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals.	Total	18,957,000 gallons
April	Avg.	703,070 g.p.d.	Highest Day 1.173 MGD	Total	21,092,000 gallons
May	Avg.	683,420 g.p.d.	Highest Day 988,000 gals.	Total	21,186,000 gallons

Pump Capacity - Well #1- 400 g.p.m. Well #3 -900 g.p.m. Well #4 - 1200 g.p.m. Well #5 – 1,100 g.p.m. Well #6 – 800 g.p.m.

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17

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

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

2017	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,287,450			10,500	57,100	\$11,503.39
Feb	1,358,400		28,500	1,750	78,550	\$13,361.76
March	1,678,850		22,000	28,100	174,900	\$18,967.89

Final Lift for Developed Subdivisions

The final lift in Laurel Springs Subdivision Phase 1 has been completed. Working on a solution for the final lift of asphalt for English Oaks and Stonewall Development.

Rosewood Drive/TIF #4 Expansion Project

The property still has the potential of being developed. Lawsuit is pending.

GIS Program

Town and Country Engineering continues to work on the maps, and getting the tablets ready for accessing the maps. An instructional meeting for staff is being scheduled to increase map usage. Database and map connection is holding up the project.

Storm Water Management Plan

The ordinance is being finalized to be incorporated into the new Village Code. We will continue to monitor the system per the Storm Water Management Plan. The submittal deadline is June 30, 2017. The plan will be submitted prior to the deadline.

SCADA Upgrade Project

A loop meeting for the SCADA System Upgrade project was held on Tuesday, June 13th. Met for 8 hours to review and determine each waste water process at the plant for operation and data collection for reports. We are three quarters through the process and will meet again on Monday, June 26th to complete the task.

Wilshire Drive Project LRIP

All items have been completed with only the landscaping to be addressed. The Village and the contractor (Buteyn-Peterson) walked the entire project on Friday, June 23rd reviewing the necessary landscape repairs. The contractor will respond next week on a schedule for the repairs.

Industrial Drive Sidewalk Project

The Industrial Drive Sidewalk project has been completed and a walkthrough completed. The only item is the landscaping to be addressed in the year of 2017.

Stonewall Sidewalk Project

The asphalt sidewalk has been installed. The only item is repairing the retaining wall.

Space Needs Analysis Study

Cedar Corp team continues to meet with staff in developing plans for a new Safety Building.

Chateau Drive Reconstruction Project

The Village, Main contractor (Buteyn-Peterson), sub-contractor (Zenith Tech), and Gremmer & Associates walked the entire project on Friday, June 23rd reviewing the necessary punch list items.. The contractor will respond next week on a schedule for the repairs.

CTH P and STH 60 Intersection Project

Washington County Highway Department has contracted with Gremmer & Associates to start the design of the reconstruction of CTH P from STH 60 to a point north of Cedar Creek Road. A design kickoff meeting was held on Friday, June 9th. Discussion lead to the old park and riding and Washington County will be part of the conversion with WisDOT for the ownership of the land.

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