

## **AGENDA**

Board of Public Works Meeting

Tuesday, October 25, 2016 - 7:00 PM.

Jackson Village Hall

N168W20733 Main Street

Jackson WI 53037

1. Call to Order and Roll Call.
2. Approval of Minutes for September 29, 2016, meeting.
3. Review of WPDES Storm Water Compliance Report.
4. Final Pay Request Georgetown Dr. Reconstruction Project.
5. Update on Participating Partner of the Milwaukee River Watershed Conservation.
6. Director of Public Works Report.
7. Citizens/Village Staff to address the Board.
8. 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**  
**Thursday, September 29, 2016 – 7:10 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 7:10 p.m.  
Members present: Brian Heckendorf, Linda Granec, Tr. Kufahl, and Tr. Jack Lippold.  
Members excused: Gloria Teifke, Scott Thielmann  
Others Present: Tr. Kruepke, Tr. Kurtz, Pres. Schwab, Tr. Emmrich  
Staff present: John Walther, Brian Kober, and Jim Micech.

**2. Approval of Minutes for August 30, 2016 meeting.**

Motion by Tr. Kufahl, second by Tr. Lippold to approve the minutes of the August 30, 2016, Board of Public Works meeting.  
Vote: 5 ayes, 0 nays. Motion carried.

**3. Space Needs Analysis Presentation – Cedar Corp.**

Brian Kober introduced the item as a continuation of the presentation. The next step is to look at the sites and further analyze the sites. This is a four step process, for a fee of \$44,650 which will come out of the Police & Fire Impact Fees. Tr. Olson commented on the financial plan and if it needs to be revisited.

Motion by Tr. Kufahl, second by Tr. Olson to Recommend Approval of Space Needs Analysis in an amount not to exceed \$44,650.  
Vote: 5 ayes, 0 nays. Motion carried.

**4. Review of Stonewall Sidewalk Project Plan and Proposal.**

Brian commented that he is working with the DOT and is waiting for one more person at the DOT to review. This will be a six foot wide sidewalk with the DOT requirement to restrict bikes on the sidewalk. There will be 135 feet of railing, and there will be 90 feet of curbing. The original bid was dated July of 2015. It has been a year of working with the DOT. This is for safe passage. The grant money is still available. Discussion ensued of possible assessment to the properties.

Motion by Tr. Olson, second by Tr. Kufahl to recommend approval of the Stonewall Sidewalk Project Plan and Proposal in an amount not to exceed \$146,867.  
Vote: 5 ayes, 0 nays. Motion carried.

**5. 2017 Budget Presentation – Building Inspection Department.**

Jim Micech gave the 2017 Budget Presentation for the Building Inspection Department. He reviewed the revenues and expenses for the building inspection department. In addition he discussed a needed tablet and software for the department. He commented that the software has been developed and is waiting. The software will allow inspection reports to be paperless and to be sent wireless. Discussion of purchasing the tablet and software this year ensued.

Motion by Tr. Olson, second by Linda Granec to forward the Building Inspection Budget to the Budget & Finance Committee and Village Board; and, if numbers for the tablet and software are available to adjust those numbers from the 2017 budget and propose to go forward on the capital expenditure this year.

Vote: 5 ayes, 0 nays. Motion carried.

**6. 2017 Five year Capital Improvements Program.**

Brian Kober presented the 2017 Five Year Capital Improvements Program. He reviewed the past capital improvements and the upcoming capital improvements and items. Upcoming projects included Chateau Drive, from Wilshire to the end.

**7. 2017 – Public Works Equipment Program.**

Brian Kober presented the Public Works 2017 Equipment Plan.

**8. 2017 Budget Presentation – Water & Wastewater Utility & Public Works.**

Brian Kober presented the 2017 Water & Wastewater Utility & Public Works 2017 Budget.

**9. Director of Public Works Report.**

Brian Kober reported that Bill Waech won the State Wide Snow Plow Rodeo. Bill exceeded at the written test, the truck inspection, and the driving course. Brian displayed the plaques. Motion by Tr. Lippold, second by Linda Granec to place the report on file.

Vote: 5 ayes, 0 nays. Motion carried.

**10. Citizens/Village Staff to address the Board.**

Pres. Schwab questioned if the permit program will allow applicants to apply for a permit on-line. Jim commented not yet.

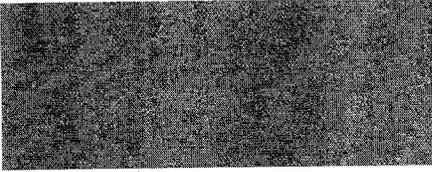
It was questioned about the second installation of asphalt in Stonewall. This item may become an assessment to the property.

**11. Adjourn.**

Motion by Tr. Kufahl, second by Linda Granec to adjourn at 9:00 p.m.

Vote: 5 ayes, 0 nays. Motion carried.

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



**WPDES Stormwater Compliance  
Report  
Village of Jackson  
Jackson, WI**

**August 29, 2016**

Prepared for  
**Village of Jackson**  
N168 W20833 Main St  
Jackson, WI 53037

Prepared by

**GRÄEF**

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## **EXECUTIVE SUMMARY**

The Village of Jackson was notified to apply for coverage under the Wisconsin Pollution Discharge Elimination System (WPDES) Municipal Separate Storm Sewer System (MS4) permit on October 27, 2014. The Village notice of intent to apply for coverage was received on January 29, 2015.

This report covers the requirements for the WPDES MS4 permit and the actions the Village of Jackson has taken to meet those requirements. Documentation forms and templates are provided within the Appendices for the Annual Report Updates. The first annual report is due March 2017. That report covers activities within the Village of Jackson from January 2015 to December 2016.

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Figure 1 Location Map

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Table 1 Compliance Schedule for the Village of Jackson

**APPENDICES**

- Appendix A: WPDES MS4 Permit
- Appendix B: Public Involvement and Participation Plan
- Appendix C: Updated Village Ordinances
- Appendix D: Storm Sewer Map
- Appendix E: Illicit Discharge Detection and Elimination
- Appendix F: Stormwater Facility Long Term Management Plan
- Appendix G: Stormwater Facility Baseline Report
- Appendix H: Stormwater Pollution Prevention Plan
- Appendix I: Green Development
- Appendix J: Annual Report Template

## I. Introduction

### A. Background

The Village of Jackson was notified to apply for coverage under the Wisconsin Pollution Discharge Elimination System (WPDES) Municipal Separate Storm Sewer System (MS4) general permit (WI-S050181-1) on October 27, 2014. The Village notice of intent to apply for coverage was received on January 29, 2015.

This report serves as the documentation of the compliance with the WPDES MS4 permit.

### B. Village Location

The Village of Jackson is located in Washington County, Wisconsin. See Figure 1 for a location map of the Village. The Village consists of approximately 1,951 acres as of 2015. The village land use consists of residential, commercial, industrial, agricultural and undeveloped land uses.

The Village of Jackson is tributary to Cedar Creek. Cedar Creek is a delisted 303(d) water as of 2010. Portions of the Village of Jackson are tributary to Jackson Creek. Jackson Creek is currently a 303(d) listed impaired water suffering a degraded habitat caused by high levels of total suspended solids. Both Cedar Creek and Jackson Creek are ultimately tributary to the Milwaukee River.

### C. Permit Requirements and Implementation Schedule

The WPDES MS4 permit condition requirements include:

- public education and outreach;
- public involvement and participation;
- illicit discharge detection and elimination;
- construction site stormwater management;
- post-construction stormwater management;
- pollution prevention;
- stormwater quality management;
- storm sewer map;
- annual report;
- and cooperation.

The WPDES MS4 permit also includes the implementation requirements and a specific implementation schedule. A copy of the WPDES MS4 permit is included in Appendix A.

A summary of the critical tasks requiring action by the Village of Jackson are summarized in Table 1.

**Table 1.**

**Compliance Schedule for the Village of Jackson**

WPDES permit section number	Report section number	WPDES Permit Requirement	Description	Initial Target Date for Compliance	Status
3.1.1	I B	MS4 Discharge to Impaired Water Body	Determine if any part of the MS4 discharges to an impaired waterbody	90 days from start date (March 2016)	Included in report
3.2	II A	Public outreach and education	Increase awareness of stormwater impacts. Involvement in Sweet Water meets this requirement.	18 months from start date (May 2017)	Included in report
3.3	II B	Public Involvement and Participation	Submit public education and outreach program to WDNR. Program should notify public of MS4 activities and encourage input	18 months from start date (May 2017)	Included in report
3.4.1	II C	Illicit Discharge and Elimination Ordinance	Submit proposed illicit discharge ordinance to WDNR, anticipated ordinance adoption 01/2017	24 months from start date (December 2017)	Included in report
3.4.2	II C	Initial IDDE field screening	Complete initial field screening of designated outfalls including visual observation and field analysis	36 months from start date (December 2018)	Included in report
3.4.3	II C	Submit on-going IDDE program	Submit program to WDNR of on-going field screen procedures. Program should be implemented within 12 months of initial screening.	36 months from start date (December 2017)	Included in report
3.4.4	II C	IDDE response procedures	Develop response procedures and submit to WDNR	24 months from start date (December 2017)	Included in report

**Table 1.**  
**Compliance Schedule for the Village of Jackson**

WPDES permit section number	Report section number	WPDES Permit Requirement	Description	Initial Target Date for Compliance	Status
3.5.1	II D	Construction site pollution control ordinance	Submit to WDNR construction site pollutant control ordinance, anticipated ordinance adoption 01/2017	18 months from start date (May 2017)	Included in report
3.5.2	II D	Construction site inspection and enforcement procedures	Submit to WDNR inspection and enforcement procedures. Procedures should include inspection frequency, documentation, and enforcement mechanisms.	18 months from start date (May 2017)	Included in report
3.6.1	II E	Proposed post construction stormwater ordinance	Submit to WDNR post construction site stormwater management ordinance, anticipated ordinance adoption 01/2017	18 months from start date (May 2017)	Included in report
3.6.2	II E	Proposed post construction long term maintenance procedures	Submit maintenance procedures to WDNR. Procedures should include procedures to ensure maintenance, process of obtaining local approval, managing complaints, and tracking post-construction sites.	18 months from start date (May 2017)	Included in report

**Table 1.**

**Compliance Schedule for the Village of Jackson**

WPDES permit section number	Report section number	WPDES Permit Requirement	Description	Initial Target Date for Compliance	Status
3.7	II F	Proposed Pollution Prevention Program	Submit program to WDNR. Program should include inventory of facilities, inspection and maintenance procedures, street sweeping information, catch basin cleaning information, de-icer management, nutrient management, SWPPP for municipal facilities, and education of municipal employees	24 months from start date (December 2017)	Included in report
3.8.1	II G	Evaluate flood control structures	Evaluation of all stormwater BMPs for feasibility of retrofitting to increase TSS reduction	24 months of start date (December 2017)	Included in report
3.8.2	II G	Assess compliance with 20% reduction TSS	Conduct WinSLAMM analysis to determine TSS and TP loading for system with controls and with no controls	24 months of start date (December 2017)	Included in report
3.9	II H	Storm Sewer Map	Develop a map of all information pertinent to the MS4 and submit to WDNR	24 months of start date (December 2017)	Included in report
3.10	II I	Annual report	Submit annual report to WDNR summarizing activities and expenditures of the MS4	Each calendar year by March 31 of following year	Template included, requires submittal
3.11	II K	Reapplication for Permit Coverage	Apply for reissuance of permit coverage	180 days prior to permit expiration	Needs to be completed by Village of Jackson

## **II. WPDES Permit Conditions**

### **A. Public Education and Outreach**

The Village of Jackson is required to adopt and implement a public education and outreach campaign. At a minimum, the public education and outreach program is required to include:

- Promoting the detection and elimination of illicit discharges;
- Educating the public on the proper management of materials that may cause stormwater pollution;
- Promoting beneficial onsite reuse of leaves and grass clippings;
- Promoting proper use of lawn and garden fertilizers and pesticides;
- Promoting the management of streambanks and shorelines by riparian owners;
- Promoting infiltration of residential stormwater runoff from rooftop downspouts, driveways, and sidewalks;
- Informing and educating those responsible for the design, installation and maintenance of construction site stormwater erosion control practices;
- Identifying businesses and activities that may pose a stormwater contamination concern and educate specific audiences on stormwater pollution prevention; and
- Promoting environmentally sensitive land development including green infrastructure and low impact development.

The Village of Jackson has partnered Southeast Wisconsin Watersheds Trust, Inc. (Sweet Water) to meet the public education and outreach requirements. Sweet Water promotes the restoration of all watersheds in the Greater Milwaukee area through print media, commercials, and social media.

### **B. Public Involvement and Participation**

The Village of Jackson is required to develop and implement a public participation program in stormwater management. The public involvement and participation plan is intended to engage the public, to encourage public input on stormwater related issues, and to provide the residents with opportunities to make a difference in the stormwater quality of their community. The public involvement and participation plan is required to maintain compliance with and be supplemental to all applicable state and local public notice requirements. The Village of Jackson is also required to develop measurable goals for the public involvement and participation program. A list of public involvement and participation opportunities and measurable goals are included in Appendix B.

C. Illicit Discharge Detection and Elimination

The Village of Jackson is required to establish a program detect, remove, and eliminate illicit discharges from the storm sewer system. The intent of the program is to protect downstream receiving waters from contamination by preventing improper disposal of wastes. The illicit discharge detection and elimination program is required to establish Regulations, perform Initial dry weather screening, perform ongoing dry weather screening, and follow illicit discharge response proceedings:

1. Establish Regulations

The Village of Jackson is required to establish regulatory authority to prevent and eliminate illicit discharges. Recommended language to update the Village Code is located in Appendix C. The recommended language in Appendix C provides adequate authority to inspect and enforce illicit discharge regulation as required by the WPDES MS4 permit at major outfalls. The code revision is anticipated to be adopted by January 1, 2017.

2. Perform Initial Dry Weather Field Screening

A major outfall is defined by either: an equivalent pipe diameter in excess of 36 inches with a drainage area in excess of 50 acres; or storm sewer from an active industrial area with a drainage area in excess of 2 acres. Major outfalls are identified on the storm sewer system map in Appendix D. All 14 major outfalls of the storm sewer system are to be field screened for illicit discharge detection. The field screening includes a visual observation of the pipe. A field analysis should be conducted on outfalls with discharge. The field analysis includes testing pH, detergents, fluoride, ammonia and potassium if discharge is observed. A field screening form and testing procedures for illicit discharge detection and elimination are included in Appendix E.

GRAEF evaluated all of the Village of Jackson major outfalls on August 8, 2016. A copy of initial dry weather field screening is located in Appendix E. No illicit discharges were present at any of the inspected outfalls. Discharge at several outfalls was observed and tested. A few of the outfalls had minor deviations in temperature, floatables, and sheen. The deviation from expected parameters at flowing outfalls was relatively minor. Temperature deviations may be attributed to warm weather in the days prior to the inspection. The presence of minor floatables and sheen may be from permitted discharges such as residential car washing.

The illicit discharge report meets the initial screening requirements of WPDES MS4 Permit.

3. Perform Ongoing Dry Weather Field Screening

The dry weather field screenings are required to occur annually at all major outfalls identified on the storm sewer map in Appendix D. Field screening is required to include field observation and analysis of any observed discharge in accordance with procedures described in Appendix E. A geo-database has been established to document the Illicit Discharge Inspection Results.

4. Follow Illicit Discharge Response Procedures

Procedures for responding to known or suspected illicit discharges include:

- investigating portions of the Village of Jackson that may contain illicit discharges;
- responding, locating, preventing and containing spills;
- notifying the Wisconsin Department of Natural Resources (WDNR);
- detecting and eliminating cross connections and leakage from the sanitary sewers; and
- providing the WDNR with notice of time and location of dye testing.

The Village of Jackson is required to remove any illicit discharge from the system as soon as possible once located. If the removal requires more than 30 days, the Village of Jackson is required to contact the WDNR to discuss appropriate action for removal. Appendix E contains procedures for response to a known or suspected illicit discharge. A complete list of minimum requirements for illicit discharge response procedures located in section 2.3.4 of the WPDES permit.

The Village of Jackson Fire Department is responsible for response to spills. The Fire Department has procedures established that meet WPDES requirements for spill response. The Village is required to supply a copy of these procedures to WDNR.

D. Construction Site Stormwater Management

The existing Chapter 15.06 E of the Village Code requires that all land disturbing activity have approved erosion control plans in place prior to construction. Chapter 15.06 E was incorporated into the WDNR model ordinance language, while maintaining more stringent criteria already in effect. Recommended updates to the Village Code are included in Appendix C.

The recommended updates to the Village Code meet the requirement of the WPDES MS4 permit. The code revision is anticipated to be adopted by January 1, 2017.

**E. Post-Construction Stormwater Management**

Administrative procedures for the post-construction stormwater management program are required of the WPDES MS4 Permit. Administrative procedures are required to include procedures to process permits for local approval, management of and response to complaints, and tracking of regulated sites.

Recommended updates to the Village Code are included in Appendix C. The recommended language is based on WDNR model ordinances, while maintaining existing Village of Jackson criteria more stringent than WDNR requirements.

The recommended updates to the Village Code meet the requirement of the WPDES MS4 permit. The code revision is anticipated to be adopted by January 1, 2017.

**F. Pollution Prevention**

The Village of Jackson is required to develop and implement a pollution prevention plan. The pollution prevention plan is required to include an inventory of existing stormwater management facilities, management and disposal methods for common pollutants, and education of personnel implementing the program. Appendix G lists all municipally owned and privately owned stormwater ponds, and the storm sewer map in Appendix D includes the location of these facilities.

Pollution prevention activities are required to include:

- Stormwater Management Facility Inspection
- Sediment Collection and Disposal
- Winter De-Icing Evaluation
- Nutrient Management
- Stormwater Pollution Prevention Plans
- Green Development
- Educational Training
- Source Water Protection Areas
- Reporting

**1. Stormwater Management Facility Inspection**

Structural stormwater management facilities within the Village of Jackson are required to be inspected routinely.

An initial inspection of the 47 wet detention ponds within the Village of Jackson was performed in 2015. The initial inspection data and analysis was used to determine the baseline conditions. See Appendix G for the Stormwater Facility Baseline Report.

2. Sediment Collection and Disposal

Routine street sweeping is an important method of pollution prevention, preventing the removed solids from entering the stormwater system. The Village of Jackson currently sweeps streets annually at a minimum, with heavily traveled main roads swept more frequently. Yard waste is bagged, placed on grass behind curb, and collected to prevent sediment and yard debris from collecting on streets.

Another method of pollution prevention is sumped catch basins. Sumped catch basins reduce transport of sediment already in the storm sewer system. Catch basin sumps should be inspected or cleaned routinely to ensure their ongoing performance and TSS reduction capacity.

Sediment and debris collected from street sweeping and catch basin cleaning requires proper disposal.

Data on street sweeping and catch basin cleaning frequency and TSS removal is required to be included in the WPDES annual report.

3. Winter De-Icing Evaluation

The Village of Jackson de-icing program is compliant with WPDES permit requirements. The Village of Jackson uses road salt for de-icing. All salt is applied in rock form. The Village of Jackson may pre-salt the roads prior to large snow events. The quantity of salt is dependent on the storm intensity and the temperature after the storm. In the Annual Report the Village of Jackson is required to report on information on their de-icing activities including:

- contact information of responsible person;
- description of de-icing products;
- amount of de-icing product used per month; and
- description of the type of equipment.

Snow disposal locations are required to be evaluated if utilized within the Village of Jackson. Snow disposal locations are required to be

- located at least 1,000 feet from a groundwater well,
- away from high traffic areas,
- avoid steep or erodible slopes, and
- ideally upgradient from a stormwater detention basin

WDNR guidance on snow disposal is available at: <http://dnr.wi.gov/topic/stormwater/documents/snow.pdf>. Snow disposed of at a disposal location should be documented in the Annual Report.

4. Nutrient Management

Leaf and grass clippings represent a substantial nutrient load to receiving water bodies. Management and disposal of leaf and grass clippings is required in the pollution prevention plan.

Village of Jackson owned properties are fertilized in the spring with a granular weed and feed fertilizer using a drop spreader. Spot treatment of herbicide is applied throughout the growing season as needed using a backpack pump. Municipal properties are mowed on a weekly basis and the grass clippings are mulched and remain on site.

Residents of the Village of Jackson are encouraged to properly dispose of leaf and grass clippings. Bagged yard waste from residential properties is collected and transported to the Village of Jackson Streets Department. A landscape contractor hauls the yard waste away for composting and reuse.

5. Stormwater Pollution Prevention Plans

The Village of Jackson is required to develop a stormwater pollution prevention plan for all municipal garages, storage areas, and other municipal facilities that may be a source of stormwater pollution. Pollution prevention activities are required in the first annual report, and annually thereafter.

Good housekeeping activities and best management practices are important to eliminate and reduce stormwater contamination at municipal facilities. Employee training and awareness are required to be included in the facility stormwater pollution prevention plan. Spill prevention and response procedures are also required to be developed.

Stormwater Pollution Prevention Plans (SWPPP) for the Village of Jackson Streets Department and Utilities Department are included in Appendix H. The SWPPP for these municipal facilities meets the requirements of this section.

6. Green Development

Upcoming municipal projects are required to evaluate the opportunity to incorporate green development. Green development improves the environment and public health by reducing the effects of stormwater runoff and promoting groundwater infiltration.

Green development incorporates Green Infrastructure (GI) practices and Low Impact Development (LID) practices. Information on how GI/LID practices can be incorporated into land development projects is included in Appendix I.

7. Educational Training

Municipal employees working on the pollution prevention plan should receive training on their involvement in pollution prevention. Documentation of any training provided is required to be included in the annual report.

8. Source Water Protection Areas

The WPDES MS4 permit requires measures to reduce municipal sources of stormwater contamination within source water protection areas.

The Village of Jackson is already in compliance with this requirement through the approved well head protection plan and the well head protection ordinance; section 16.25 of the Village Code.

9. Reporting

Information regarding ongoing pollution prevention efforts are required to be included in the annual report. Required information includes:

- inspection forms,
- sediment collection and disposal information,
- deicer application information,
- information on management of leaves and grass clippings,
- catch basin cleaning,
- education provided to internal staff, and
- any reported spills and the responses.

An annual report template is provided in Appendix J.

G. Stormwater Quality Management

The Village operates 47 wet ponds designed to reduce TSS in stormwater runoff. These wet ponds cover a total drainage area of 830.38 acres, or approximately 42.6% of the total area of the Village of Jackson.

The Village of Jackson has implemented stormwater management practices that exceed the minimum 20% reduction in total suspended solids discharging to surface waters. Structural control practices that contribute to the 20% reduction in total suspended solids include BMPs owned by the Village and by private entities. The Village of Jackson has achieved 22.62% reduction in total suspended solids for the entire Village area including areas with a structural stormwater management practice and undetained areas.

The average annual phosphorus loading with no controls is 1,533 pounds and the loading with controls is 1,194 pounds, resulting in a 22.12% reduction in total phosphorus.

The Stormwater Facility Baseline Report in Appendix G includes the details of the WinSLAMM calculation used to determine TSS reduction and phosphorus loading. The Village of Jackson is compliant with the total suspended solids performance standards under NR 151.13(2) (b) 1. The on-going maintenance of all BMPs, including those owned by private entities, should be documented.

All municipally owned structural stormwater management systems were evaluated for their potential to be retrofitted to increase TSS removal. See the Stormwater Facility Baseline Report in Appendix G for additional information on how the Village of Jackson could provide additional TSS reduction.

An analysis of all 47 ponds was completed in 2015. The Stormwater Facility Baseline Report for these ponds is included in Appendix G.

A Geographic Information System (GIS) asset management database was created to assist in the on-going management of the stormwater BMPs.

All of the ponds evaluated in the 2015 baseline conditions are included within the georeferenced database. The original plans, Stormwater Management Plan excerpts, 2015 photos, and baseline conditions are linked to each pond.

All major outfalls requiring annual illicit discharge detection and elimination are also geo-referenced within the database. The GIS database allows annual IDDE screening forms to be uploaded so that a continuous record of screening forms is easily organized for each outfall.

#### H. Storm Sewer Map

A storm sewer map is included in Appendix D. The map shows:

- All receiving waters;
- Any wetland;
- All known MS4 outfalls;
- All MS4 major outfalls;
- Locations of any known discharge to the MS4 that has been issued a WPDES permit;
- Locations of all municipally operated structural stormwater facilities;
- The identifications of public parks, recreational areas and open lands;
- The locations of municipal garages, storage areas and public works facilities; and
- The identification of streets

The Village of Jackson has no known impact on any endangered, threatened, or archaeological resources. Endangered or threatened resources are mapped by WDNR and are required to be checked for every development project and improvement project. The WDNR procedure for endangered and threatened species is required to be followed for all Village of Jackson Projects.

A review of the register of historic places for Wisconsin was performed. No places are located within the Village of Jackson limits.

The storm sewer map meets the requirements of the WPDES MS4 permit.

**I. Annual Report**

The Village of Jackson is required to submit an annual report for each calendar year by March 31<sup>st</sup> of the following year. An annual report is not required after the initial year of permit coverage. The first annual report sent to the department is required to report on the first 2 years of coverage. The first annual report is due March 2018.

The annual report is required to include status of implementing permit requirements, fiscal analysis of annual expenditures, a summary of inspection and enforcement actions, and identification of any known water quality improvements or degradation. An Annual Report Template is included in Appendix J.

**J. Cooperation**

The Village of Jackson is cooperating with 11 other communities in the Mid-Moraine Water Quality Collective to improve water quality throughout the Milwaukee River Watershed.

**K. Reapplication for Permit Coverage**

The Village of Jackson is required to apply for reissuance of the WPDES permit at least 180 days prior to the permit expiration date in accordance with NR 216.09.

**III. Conclusions**

The Village of Jackson meets the WDNR requirements of the WPDES MS4 permit.

Prepared by:

Nicholas Tecca  
Project Engineer

**Quality Review:**

**Reviewed by:**

Bridget S. Henk, Matthew Bednarski

**Project Manager Review and Approval**

Name: Bridget S. Henk

Signature: \_\_\_\_\_

**Contract Manager Review and Approval**

Name: Matthew Bednarski

Signature: \_\_\_\_\_

Village of Jackson  
Storm Water Ponds

Total Land Area of Jackson Approximately 1951 acres

Developments	Number of Ponds	Pond Number	Year Constructed	Location	Owner	Year of Report	Name of Pond in Report	Drainage Area (ac)	SLAMM Standard Land Use or SWMP Land Use	Percent TSS Reduction	Notes	
TIF #2	3	1	2002	Industrial Drive	Green Valley Pond	2002	sediment forebay	49 - combined with 2	SLAMM	53.4%		
		2	2002	Industrial Drive	Green Valley Pond	2002	main cell	49 - combined with 1	SLAMM	53.4%		
		3		Industrial Drive		1997	n/a	55.15	SLAMM	79.8%		
TIF #3	4	4		Apple Lane	Park-n-Ride Lot Pond	2012	n/a	1.81	SLAMM	75.2%		
		5		Tillie Lake Court	Comfort Inn and Suites	1997	Area 2B	11.6	SLAMM	88.3%		
		6		Cedar Parkway	Medicinal Clinic	1995	n/a	45.47	SLAMM	74.5%		
		7		Cedar Parkway	Sysco Pond	1995	n/a	34.59	SLAMM	60.7%		
TIF #4	2	8		Northwest Passage	Regional Pond	1998	n/a	129.4 - combined with 9	SLAMM	57.8%		
		9		Northwest Passage	Regional Pond	1999	n/a	129.4 - combined with 8	SLAMM	57.8%		
<b>Total</b>	<b>9</b>	<b>Village Owned Ponds</b>										
Jackson Crossings	2	10		N168 W22010 Main St	Private Owner	2005	RG1	0.506	SWMP	56.9%		
		11		N168 W22010 Main St	Private Owner	2005	P1	0.618	SWMP	40.2%		
Kerry Ingredients	1	12	2013	N168 W21455 Main St	Private Owner	2013	Proposed Pond	28.134	SWMP	85.0%		
Glen Brooke Subdivision	4	13	1994	Glen Brooke Dr	Homeowners Association	1997	n/a	11.4	SLAMM	69.8%		
		14	1994	Glen Brooke Dr	Homeowners Association	1997	n/a	45.89	SLAMM	66.3%		
		15	1998	Glen Brooke Dr	Homeowners Association	1997	n/a	14.61	SLAMM	69.9%		
		16	1997	Glen Brooke Dr	Homeowners Association	1997	n/a	32.86	SLAMM	59.7%		
Sherman Meadows	1	17	2004	Glen Brooke Dr & Sherman Rd	Condo Association	2004	n/a	33.4	SLAMM	66.7%		
Cranberry Creek Subdivision	3	18	2006	Marshland Drive	Homeowners Association	2006	2	1.4	SLAMM	84.8%		
		19	2006	Marshland Drive	Homeowners Association	2006	1B	1	SLAMM	58.4%		
		20	2006	Marshland Drive	Homeowners Association	2006	1A	5	SLAMM	91.0%		
Cranberry Condo Development	2	21	2005	Jackson Dr	Condo Association	2005	P1	16.37	SLAMM	75.6%		
		22	2006	Black Berry Circle	Private Owner	2005	P2	14.79	SLAMM	72.4%		
Jackson Community Center	1	23	2009	N165 W20330 Hickory Lane	Village of Jackson	2008	n/a	3.3	SLAMM	88.9%		
Hickory Park	3	24	1998	Asphalt Bottom	Village of Jackson	1997	n/a	1.17	SLAMM	6.0%	dry detention pond for quantity control	
		25	1998	Hickory Lane Park	Village of Jackson	1997	n/a	8.05	SLAMM	0.0%	dry detention pond for quantity control	
		26	1998	Hickory Lane Park	Village of Jackson	1997	n/a	1.3	SLAMM	0.0%	dry detention pond for quantity control	
Rivers Bluff Subdivision	3	27	2000	White Oak Circle	Condo Association	1997	n/a	11.78	SLAMM	72.5%		
		28	1998	Riverview Dr & Jackson Dr	Condo Association	1997	Retention Pond	9.5	SLAMM	67.7%		
		29	1997	Riverview Dr & Pine Dr	Homeowners Association	1997	Southeast Pond	28.1	SLAMM	14.6%		
Fox Creek Condo Development	1	30	2001	Jackson Dr	Condo Association	2000	n/a	4.55	SLAMM	4.8%		
Dallmann Village Subdivision	1	31	1999	Songbird Circle	Homeowners Association	1999	Pond 1	18.8	SLAMM	71.8%		
Sherman Creek	2	32	2003	Oakland Drive	Condo Association	2002	Pond 1	16.51	SLAMM	82.2%		
		33	2003	Oakland Drive	Condo Association	2002	Pond 2	5.53	SLAMM	80.5%		
Legacy at Cedar Creek	1	34	2008	Eagle Drive	Private Owner	2005	1P	3.2	SWMP	27.3%		
East Side Mart	1	35	2009	N168 W19490 Main Street	Private Owner	2007	n/a	5.86	SLAMM	77.3%		
Stonewall Development	5	36	2004	Stonewall Drive	Condo Association	2004	South Pond	5.8	SLAMM	82.8%		
		37	2004	Georgetown Drive	Condo Association	2004	S Swale Pond	1.64	SLAMM	0.0%	dry detention pond for quantity control	
		38	2004	Stonewall Drive	Condo Association	2004	Southwest Pond	8.73	SLAMM	86.6%		
		39	2004	Stonewall Dr & Willow Ridge	Condo Association	2004	Middle Basin Pond	5.47	SLAMM	77.4%		
		40	2004	Stonewall Dr & Highland Rd	Condo Association	2004	North Pond	13.13	SLAMM	70.1%		
English Oaks Subdivision	2	41	2007	Highland Road	Private Owner	2007	Pond 2 (South)	2.84	SWMP	64.9%		
		42	2007	English Oaks Drive	Homeowners Association	2007	Pond 1 (West)	11.07	SWMP	77.5%		
Highland Creek Farms Subdivision	4	43	1997	Raymond Rd & Highland Rd	Homeowners Association	1996	n/a	63.95	SLAMM	47.5%		
		44	1999	Creekside Drive	Homeowners Association	1999	Pond 3	6.59	SWMP	40.4%		
		45	1999	Creekside Drive	Homeowners Association	1999	Pond 2	9.16	SWMP	60.0%		
		46	1999	Creekside Drive	Homeowners Association	1999	Pond 1	26.89	SWMP	54.2%		
Laurel Springs Subdivision	1	47	2007	Crestview Drive	Homeowners Association	2006	Pond 1	25.1	SLAMM	0.3%	dry detention pond for quantity control	
<b>Total</b>	<b>38</b>	<b>Privately Owned Ponds</b>										

POND 43

**LAND USE**

<b>Data Source</b>	<b>Aerial &amp; Contours</b>
Total Delineated Area	63.95

<b>SLAMM Standard LAND USE</b>	<b>Residential - Medium Density</b>
Area	63.95

**OUTLET INFORMATION**

<b>Data Source</b>	<b>2015 Survey</b>	<b>SWMP 1-20-1996</b>	<b>SLAMM Datum</b>
WS Elev	862.54		4.69
Outlet 1			
Diameter	36	2'x3'	
invert	862.2	864.5	4.35
Number	1	2	
broad crested weir			
weir length (ft)	20	20	
weir width (ft)	12	5	
Crest Elevation	868.88	867.5	11.03

**STAGE STORAGE INFORMATION**

Data Source survey, contours and plan

<b>Stage</b>	<b>Area (ft2)</b>	<b>SLAMM Datum (ft)</b>	<b>Area (ac)</b>
857.85	0	0.00	0.000
858	4275	0.15	0.098
863	9304	5.15	0.214
864	32368	6.15	0.743
866	36975	8.15	0.849
868	42350	10.15	0.972
870	50743	12.15	1.165

Top of Berm Elev 870.00

**NOTES & ASSUMPTIONS**

Pond appears to have been modified to accommodate future development since 1996 SWMP. Lowest elevation of pond based on average of 4 lowest shots on bottom bottom from survey completed summer, 2015. Top of berm elevation based on contours and confirmed by survey. 2015 survey identified 2 broad crested weirs. Weir included is located north of outlet on east side of pond and has lower elevation than weir located at outlet at southeast corner of pond.

POND 44

**LAND USE**

<b>Data Source</b>	<b>SWMP</b>
Total Area - SWMP	6.59

<b>SLAMM LAND USE</b>	<b>Residential</b>				
Contributing SWMP Areas	Area 3				
<b>SLAMM Source Areas</b>	<b>Residential</b>	<b>Roads</b>	<b>Sidewalk</b>	<b>Grass</b>	<b>Water</b>
Area (ac)	4.3	0.99	0.34	0.72	0.24
Notes		32' street width			

**OUTLET INFORMATION**

<b>Data Source</b>	<b>2015 Survey</b>	<b>SWMP 5-7-1999</b>	<b>SLAMM Datum</b>
WS Elev	854.91	855	1.83
Orifice 1			
Diameter	12	8	
invert	855.1	855	2.02
Number	1	1	
Orifice 2			
Diameter	-	8	
invert	-	857.5	
Number	-	1	
broad crested weir			
weir length (ft)	21	25	
weir width (ft)	15	5	
Crest Elevation	858.16	859.33	5.08

**STAGE STORAGE INFORMATION**

Data Source

survey, contours and plan

<b>Stage</b>	<b>Area (ft2)</b>	<b>SLAMM Datum (ft)</b>		<b>Area (ac)</b>
853.08	0	0.00		0.000
854	4880	0.92		0.112
855	8208	1.92		0.188
856	9520	2.92		0.219
858	12582	4.92		0.289
860	16621	6.92		0.382

Top of Berm Elev

860.33

**NOTES & ASSUMPTIONS**

Residential Source Area assumes 20% roof, 5% driveway and 75% lawn. Lowest elevation of pond based on average of 2 lowest shots on bottom bottom from survey completed summer, 2015. Top of berm elevation based on SWMP and confirmed by contours and survey. 2015 survey identified outlet is a pipe, not a compound outlet.

POND 45

**LAND USE**

<b>Data Source</b>	<b>SWMP</b>
Total Area - SWMP	9.16

<b>SLAMM LAND USE</b>	<b>Residential</b>				
Contributing SWMP Areas	Area 2				
SLAMM Source Areas	Residential	Road	Sidewalk	Grass	Water
Area (ac)	6.39	1.1	0.4	0.97	0.3
Notes		32' street width			

**OUTLET INFORMATION**

<b>Data Source</b>	<b>2015 Survey</b>	<b>SWMP 5-7-1999</b>	<b>SLAMM Datum</b>
WS Elev	847.14	847	7.88
Outlet 1			
Diameter	18	8	
invert	847	847	7.74
Number	1	1	
Outlet 2			
Diameter	-	10	
invert	-	849.5	
Number	-	1	
broad crested weir			
weir length (ft)	16	20	
weir width (ft)	13	5	
Crest Elevation	850.91	852.5	11.65

Flared end section completed detached

**STAGE STORAGE INFORMATION**

Data Source survey, contours and plan

<b>Stage</b>	<b>Area (ft2)</b>	<b>SLAMM Datum (ft)</b>	<b>Area (ac)</b>
839.26	0	0.00	0.000
840	1771	0.74	0.041
845	5422	5.74	0.124
846	8769	6.74	0.201
848	12099	8.74	0.278
850	18198	10.74	0.418
852	22396	12.74	0.514

Top of Berm Elev 852.47

**NOTES & ASSUMPTIONS**

Residential Source Area assumes 20% roof, 5% driveway and 75% lawn. Lowest elevation of pond based on average of 2 lowest shots on bottom bottom from survey completed summer, 2015. Top of berm elevation based on highest elevation on berm adjacent to broad crested weir. 2015 survey identified outlet is pipe not a compound outlet.

POND 46

**LAND USE**

Data Source	SWMP
Total Area - SWMP	26.89

SLAMM LAND USE	Residential				
Contributing SWMP Areas	Area 1				
SLAMM Source Areas	Residential	Road	Sidewalk	Grass	Water
Area (ac)	17.75	5.01	1.4	2.27	0.46
Notes		32' street width			

**OUTLET INFORMATION**

Data Source	2015 Survey	SWMP 5-7-1999	SLAMM Datum
WS Elev	847.62	847	4.98
Orifice 1			
Diameter	36	8	
invert	846.6	847	3.96
Number	1	1	
Orifice 2			
Diameter	-	10	
invert	-	847	
Number	-	1	
Orifice 3			
Diameter	-	12	
invert	-	850.75	
Number	-	2	
broad crested weir			
weir length (ft)	51	60	
weir width (ft)	8	10	
Crest Elevation	850.14	852.95	7.50

**STAGE STORAGE INFORMATION**

Data Source survey, contours and plan

Stage	Area (ft2)	SLAMM Datum (ft)	Area (ac)
842.64	0	0.00	0.000
843	8734	0.36	0.201
845	13434	2.36	0.308
846	18954	3.36	0.435
848	22658	5.36	0.520
850	29229	7.36	0.671
853	42000	10.36	0.964

Top of Berm Elev 853.25

**NOTES & ASSUMPTIONS**

Residential Source Area assumes 20% roof, 5% driveway and 75% lawn. Lowest elevation of pond based on lowest shot on bottom bottom from survey completed summer, 2015. Top of berm elevation based on average of 3 highest elevation shots on the top of berm on the east side of the pond. 2015 survey identified outlet is pipe not a compound outlet.

November 17, 2015

W141579.00

Mr. Brian Kober, Director of Public Works  
Village of Jackson  
N168 W20733 Main Street  
P.O. Box 637  
Jackson, Wisconsin 53037

**Application for Payment No. 3  
Georgetown Drive Improvements  
Village of Jackson, Wisconsin**

Dear Brian:

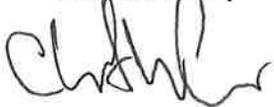
Enclosed for your use in payment to Advance Construction Co., in the amount of \$147,684.66 is Application for Payment No. 3.

Following your review and approval, please complete the application for payment form within the areas reserved for the Owner and process payment to the Contractor accordingly.

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

Sincerely,

**GAI Consultants, Inc.**



Chris J. Walter, P.E.  
Assistant Design Manager

Enc.: Application for Payment No. 2

cc: Paul Kultger, Advance Construction Co.

**Contractor's Application For Payment No.**

**3(three)**

Application Period: <b>9/23</b> thru <b>11/17/2015</b>		Application Date: <b>11/17/2015</b>	
To (Owner): <b>Village of Jackson</b>	From (Contractor): <b>Advance Construction, Inc.</b>	Via (Engineer): <b>GAI</b>	
Project: <b>Georgetown Drive</b>	Contract: <b>Georgetown Drive Reconstruction</b>		
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.:	<b>W141579.00</b>

**Application for Payment  
Change Order Summary**

Approved Change Orders		
Numbers	Additions	Deductions
<b>TOTALS</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>NET CHANGE BY CHANGE ORDERS</b>		

1. ORIGINAL CONTRACT PRICE	\$	619,153.10
2. Net change by Change Orders	\$	
3. CURRENT CONTRACT PRICE (Line 1± 2)	\$	619,153.10
4. TOTAL COMPLETED AND STORED TO DATE (Column G on Progress Estimate)	\$	599,828.29
5. RETAINAGE:		
a. <u>5</u> % x <u>309,576.55</u> Work Completed	\$	15,478.83
b. <u>  </u> % x <u>  </u> Stored Material	\$	0.00
c. Total Retainage (Line 5a + 5b)	\$	15,478.83
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line5c)	\$	584,349.46
7. LESS PREVIOUS PAYMENTS (line 6 from prior Application)	\$	436,664.80
8. AMOUNT DUE THIS APPLICATION	\$	147,684.66
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)	\$	34,803.64

**Contractor's Certification**

The undersigned Contractors certifies that: (1) all previous progress payments received from Owner on account of Work done under the contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear off all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By: *[Signature]* Date: 11-18-2015

Payment of: \$ 147,684.66  
(Line 8 or other - attach explanation of the other amount)

is recommended by: *[Signature]* 11/17/15  
(Engineer) (Date)

Payment of: \$ \_\_\_\_\_  
(Line 8 or other - attach explanation of other amount)

is approved by: \_\_\_\_\_  
(Owner) (Date)

Approved by: \_\_\_\_\_  
Funding Agency (if applicable) (Date)

**Progress Estimate**

**Contractor's Application**

For (contract):							Application Number:				
Village of Jackson - Georgetown Drive Reconstruction							3(three)				
Application Period							Application Date:				
September 23, 2015 - November 17, 2015							11/17/2015				
A				B	C	D	E	F			
Bid Item No.	Item Description	Bid Quantity		Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Presently Stored (not in C)	Total Completed and Stored to date (D + E)	% (F + B)	Balance to Finish (B - F)
Section A - Sanitary Sewer											
1	8" sanitary sewer relay	725.00	lf	114.00	82,650.00	762.30	86,902.20		86,902.20	105%	-4,252.20
2	48" diameter sanitary manhole	38.00	vf	250.00	9,500.00	37.62	9,405.00		9,405.00	99%	95.00
3	6" sanitary sewer lateral	143.00	lf	85.00	12,155.00	42.00	3,570.00		3,570.00	29%	8,585.00
Section B - Water main											
4	8" water main relay	748.00	lf	89.25	66,759.00	755.50	67,428.38		67,428.38	101%	-669.38
5	8" gate valve	3.00	ea	1,591.00	4,773.00	3.00	4,773.00		4,773.00	100%	0.00
6	6" water main relay	14.00	lf	89.25	1,249.50	19.50	1,740.38		1,740.38	139%	-490.88
7	6" gate valve	1.00	ea	1,016.00	1,016.00	1.00	1,016.00		1,016.00	100%	0.00
8	Hydrant assembly	3.00	ea	6,290.00	18,870.00	3.00	18,870.00		18,870.00	100%	0.00
9	1 1/4" water ervice	136.00	lf	36.00	4,896.00	81.50	2,934.00		2,934.00	60%	1,962.00
10	1 1/4" water service fittings	4.00	ea	522.50	2,090.00	2.00	1,045.00		1,045.00	50%	1,045.00
Section C - Storm Sewer											
11	36" HDPE Storm Sewer	117.00	lf	117.00	13,689.00	95.00	11,115.00		11,115.00	81%	2,574.00
12	30" HDPE Storm Sewer	300.00	lf	104.00	31,200.00	294.50	30,628.00		30,628.00	98%	572.00
13	15" HDPE Storm Sewer	10.00	lf	64.50	645.00	10.00	645.00		645.00	100%	0.00
14	12" HDPE Storm Sewer	224.00	lf	52.50	11,760.00	230.50	12,101.25		12,101.25	103%	-341.25
15	19x30 CL HE-V RCP storm sewer	646.00	lf	120.00	77,520.00	680.00	81,600.00		81,600.00	105%	-4,080.00
16	19x30 CL HE-V RCP - 15 degree mitered pipe	2.00	ea	2,300.00	4,600.00	2.00	4,600.00		4,600.00	100%	0.00
17	6" pvc storm sewer lateral	314.00	lf	34.00	10,676.00	273.00	9,282.00		9,282.00	87%	1,394.00
18	60" storm manhole(2units)	14.20	vf	540.00	7,668.00	9.93	5,362.20		5,362.20	70%	2,305.80
19	72" storm manhole(1unit)	4.50	vf	707.40	3,183.30	8.62	6,097.79		6,097.79	192%	-2,914.49



**Contractor's Application For Payment No.**

3(three)

Application Period: 9/23 thru 11/17/2015		Application Date: 11/17/2015	
To (Owner): Village of Jackson	From (Contractor): Advance Construction, Inc.	Via (Engineer): GAI	
Project: Georgetown Drive	Contract: Georgetown Drive Reconstruction		
Owner's Contract No.:	Contractor's Project No.:	Engineer's Project No.:	W141579.00

**Application for Payment  
Change Order Summary**

Approved Change Orders		
Numbers	Additions	Deductions
<b>TOTALS</b>	<b>\$0.00</b>	<b>\$0.00</b>
<b>NET CHANGE BY CHANGE ORDERS</b>		

1. ORIGINAL CONTRACT PRICE	\$ 619,153.10
2. Net change by Change Orders	\$
3. CURRENT CONTRACT PRICE (Line 1± 2)	\$ 619,153.10
4. TOTAL COMPLETED AND STORED TO DATE (Column G on Progress Estimate)	\$ 599,828.29
5. RETAINAGE:	
a. % x 0.00 Work Completed	\$ 0.00
b. % x Stored Material	\$ 0.00
c. Total Retainage (Line 5a + 5b)	\$ 0.00
6. AMOUNT ELIGIBLE TO DATE (Line 4 - Line5c)	\$ 599,828.29
7. LESS PREVIOUS PAYMENTS (line 6 from prior Application)	\$ 584,199.46
8. AMOUNT DUE THIS APPLICATION	\$ 15,628.83
9. BALANCE TO FINISH, PLUS RETAINAGE (Column G on Progress Estimate + Line 5 above)	\$ 0.00

**Contractor's Certification**

The undersigned Contractors certifies that: (1) all previous progress payments received from Owner on account of Work done under the contract have been applied on account to discharge Contractor's legitimate obligations incurred in connection with work covered by prior Applications for Payment; (2) title of all Work, materials and equipment incorporated in said Work or otherwise listed in or covered by this Application for Payment will pass to Owner at time of payment free and clear off all Liens, security interests and encumbrances (except such as are covered by a Bond acceptable to Owner indemnifying Owner against any such Liens, security interest or encumbrances); and (3) all Work covered by this Application for Payment is in accordance with the Contract Documents and is not defective.

By:  Date: 8-30-2016

Payment of: \$ \_\_\_\_\_  
(Line 8 or other - attach explanation of the other amount)

is recommended by: \_\_\_\_\_ (Engineer) \_\_\_\_\_ (Date)

Payment of: \$ \_\_\_\_\_  
(Line 8 or other - attach explanation of other amount)

is approved by: \_\_\_\_\_ (Owner) \_\_\_\_\_ (Date)

Approved by: \_\_\_\_\_ Funding Agency (if applicable) \_\_\_\_\_ (Date)

**Progress Estimate**

**Contractor's Application**

For (contract):							Application Number:				
Village of Jackson - Georgetown Drive Reconstruction							4(final)				
Application Period							Application Date:				
November 18, 2015 - August 26, 2016							8/26/2016				
A				B	C	D	E	F			
Item		Bid Quantity		Unit Price	Bid Value	Estimated Quantity Installed	Value	Materials Presently Stored (not in C)	Total Completed and Stored to date (D + E)	% (F + B)	Balance to Finish (B - F)
Bid Item No.	Description										
Section A - Sanitary Sewer											
1	8" sanitary sewer relay	725.00	lf	114.00	82,650.00	762.30	86,902.20		86,902.20	105%	-4,252.20
2	48" diameter sanitary manhole	38.00	vf	250.00	9,500.00	37.62	9,405.00		9,405.00	99%	95.00
3	6" sanitary sewer lateral	143.00	lf	85.00	12,155.00	42.00	3,570.00		3,570.00	29%	8,585.00
Section B - Water main											
4	8" water main relay	748.00	lf	89.25	66,759.00	755.50	67,428.38		67,428.38	101%	-669.38
5	8" gate valve	3.00	ea	1,591.00	4,773.00	3.00	4,773.00		4,773.00	100%	0.00
6	6" water main relay	14.00	lf	89.25	1,249.50	19.50	1,740.38		1,740.38	139%	-490.88
7	6" gate valve	1.00	ea	1,016.00	1,016.00	1.00	1,016.00		1,016.00	100%	0.00
8	Hydrant assembly	3.00	ea	6,290.00	18,870.00	3.00	18,870.00		18,870.00	100%	0.00
9	1 1/4" water service	136.00	lf	36.00	4,896.00	81.50	2,934.00		2,934.00	60%	1,962.00
10	1 1/4" water service fittings	4.00	ea	522.50	2,090.00	2.00	1,045.00		1,045.00	50%	1,045.00
Section C - Storm Sewer											
11	36" HDPE Storm Sewer	117.00	lf	117.00	13,689.00	95.00	11,115.00		11,115.00	81%	2,574.00
12	30" HDPE Storm Sewer	300.00	lf	104.00	31,200.00	294.50	30,628.00		30,628.00	98%	572.00
13	15" HDPE Storm Sewer	10.00	lf	64.50	645.00	10.00	645.00		645.00	100%	0.00
14	12" HDPE Storm Sewer	224.00	lf	52.50	11,760.00	230.50	12,101.25		12,101.25	103%	-341.25
15	19x30 CL HE-V RCP storm sewer	646.00	lf	120.00	77,520.00	680.00	81,600.00		81,600.00	105%	-4,080.00
16	19x30 CL HE-V RCP - 15 degree mitered pipe	2.00	ea	2,300.00	4,600.00	2.00	4,600.00		4,600.00	100%	0.00
17	6" pvc storm sewer lateral	314.00	lf	34.00	10,676.00	273.00	9,282.00		9,282.00	87%	1,394.00
18	60" storm manhole(2units)	14.20	vf	540.00	7,668.00	9.93	5,362.20		5,362.20	70%	2,305.80
19	72" storm manhole(1unit)	4.50	vf	707.40	3,183.30	8.62	6,097.79		6,097.79	192%	-2,914.49



## Prime Contractor Affidavit of Compliance With Prevailing Wage Rate Determination

Authorization for this form is provided under Sections 66.0903(9)(c), 66.0904(7)(c) and 103.49(4r)(c) Wisconsin Statutes.  
 The use of this form is mandatory. The penalty for failing to complete this form is prescribed in Section 103.005(12), Wisconsin Statutes.  
 Personal information you provide may be used for secondary purposes [Privacy Law, s. 15.04(1)(m), Wisconsin Statutes].

This form must **ONLY** be filed with the Awarding Agency indicated below.

State Of <u>Wisconsin</u> )  )SS  County Of <u>Washington</u> )	Project Name <u>Georgetown Drive</u>	
	DWD Determination Number <u>201501557</u>	Project Number (if applicable) <u>W141577</u>
	Date Determination Issued <u>5/5/15</u>	Date of Contract
	Awarding Agency <u>Village of Jackson</u>	
	Date Work Completed	

After being duly sworn, the person whose name and signature appears below hereby states under penalty of perjury that

- I am the duly authorized officer of the corporation, partnership, sole proprietorship or business indicated below and have recently completed all of the work required under the terms and conditions of a contract with the above-named awarding agency and make this affidavit in accordance with the requirements set forth in Section 66.0903(9)(c), 66.0904(7)(c) or 103.49(4r)(c), Wisconsin Statutes and Chapter DWD 290 of the Wisconsin Administrative Code in order to obtain FINAL PAYMENT from such awarding agency.
- I have fully complied with all the wage and hour requirements applicable to this project, including all of the requirements set forth in the prevailing wage rate determination indicated above which was issued for such project by the Department of Workforce Development on the date indicated above.
- I have received the required affidavit of compliance from each of my agents and subcontractors that performed work on this project and have listed each of their names and addresses on page 2 of this affidavit.
- I have full and accurate records that clearly indicate the name and trade or occupation of every worker(s) that I employed on this project, including an accurate record of the hours worked and actual wages paid to such worker(s).
- I will retain the records and affidavit(s) described above and make them available for inspection for a period of at least three (3) years from the completion date indicated above at the address indicated below and shall not remove such records or affidavit(s) without prior notification to the awarding agency indicated above.

Name of Corporation, Partnership, Sole Proprietorship, Business, State Agency or Local Governmental Unit <u>Advance Construction Inc.</u>				
Street Address <u>2841 Woodlark Ave</u>	City <u>Green Bay</u>	State <u>WI</u>	Zip Code <u>54303</u>	Telephone Number <u>(920) 434-3978</u>
Print Name of Authorized Officer <u>Glen Joshi</u>			Date Signed <u>8/31/16</u>	
Signature of Authorized Officer 				

### List of Agents and Subcontractors

Name <i>Payne &amp; Dolan, Inc.</i>			Name		
Street Address <i>1173 W 2120 Northwest Pass</i>			Street Address		
City <i>Jackson</i>	State <i>MS</i>	Zip Code <i>39337</i>	City	State	Zip Code
Telephone Number <i>(202) 677-5920</i>			Telephone Number		
Name <i>JP Concrete Inc.</i>			Name		
Street Address <i>8407 County Road M</i>			Street Address		
City <i>Fredonia</i>	State <i>MS</i>	Zip Code <i>39201</i>	City	State	Zip Code
Telephone Number <i>(202) 692-9273</i>			Telephone Number		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number			Telephone Number		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number			Telephone Number		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number			Telephone Number		
Name			Name		
Street Address			Street Address		
City	State	Zip Code	City	State	Zip Code
Telephone Number			Telephone Number		

If you have any questions call (608) 266-6861

Page 2 - ERD 5724

FINAL WAIVER OF LIEN

November 16, 2015

For Value received, we hereby waive all rights and claims for lien on building about to be erected, being erected, erected, altered or repaired and to the appurtenances there unto belonging for Village of Jackson, owner, by Advance Construction, Inc. contractor, being situate in Washington County, State of Wisconsin, described Georgetown Drive Reconstruction all labor performed and for all material furnished

  
Cedar Lake Sand & Gravel Inc.

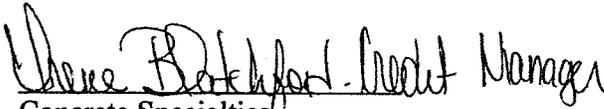
11-18-15  
Date

RECEIVED NOV 23 2015

FINAL WAIVER OF LIEN

November 16, 2015

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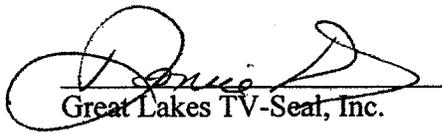
  
Concrete Specialties

11-19-15  
Date

FINAL WAIVER OF LIEN

November 16, 2015

For Value received, we hereby waive all rights and claims for lien on building about to be erected, being erected, erected, altered or repaired and to the appurtenances there unto belonging for Village of Jackson, owner, by Advance Construction, Inc. contractor, being situate in Washington County, State of Wisconsin, described Georgetown Drive Reconstruction all labor performed and for all material furnished

  
Great Lakes TV-Seal, Inc.

11/18/15  
Date

RECEIVED NOV 28 2015

FINAL WAIVER OF LIEN

November 16, 2015

For Value received, we hereby waive all rights and claims for lien on building about to be erected, being erected, erected, altered or repaired and to the appurtenances there unto belonging for Village of Jackson, owner, by Advance Construction, Inc. contractor, being situate in Washington County, State of Wisconsin, described Georgetown Drive Reconstruction all labor performed and for all material furnished

  
HD Supply Waterworks, LTD

11-20-15  
Date



RECEIVED NOV 23 2015

FINAL WAIVER OF LIEN

November 16, 2015

For Value received, we hereby waive all rights and claims for lien on building about to be erected, being erected, erected, altered or repaired and to the appurtenances there unto belonging for Village of Jackson, owner, by Advance Construction, Inc. contractor, being situate in Washington County, State of Wisconsin, described Georgetown Drive Reconstruction all labor performed and for all material furnished

  
West Bend Sand & Stone, Inc.

11/18/15  
Date

RECEIVED NOV 23 2015

FINAL WAIVER OF LIEN

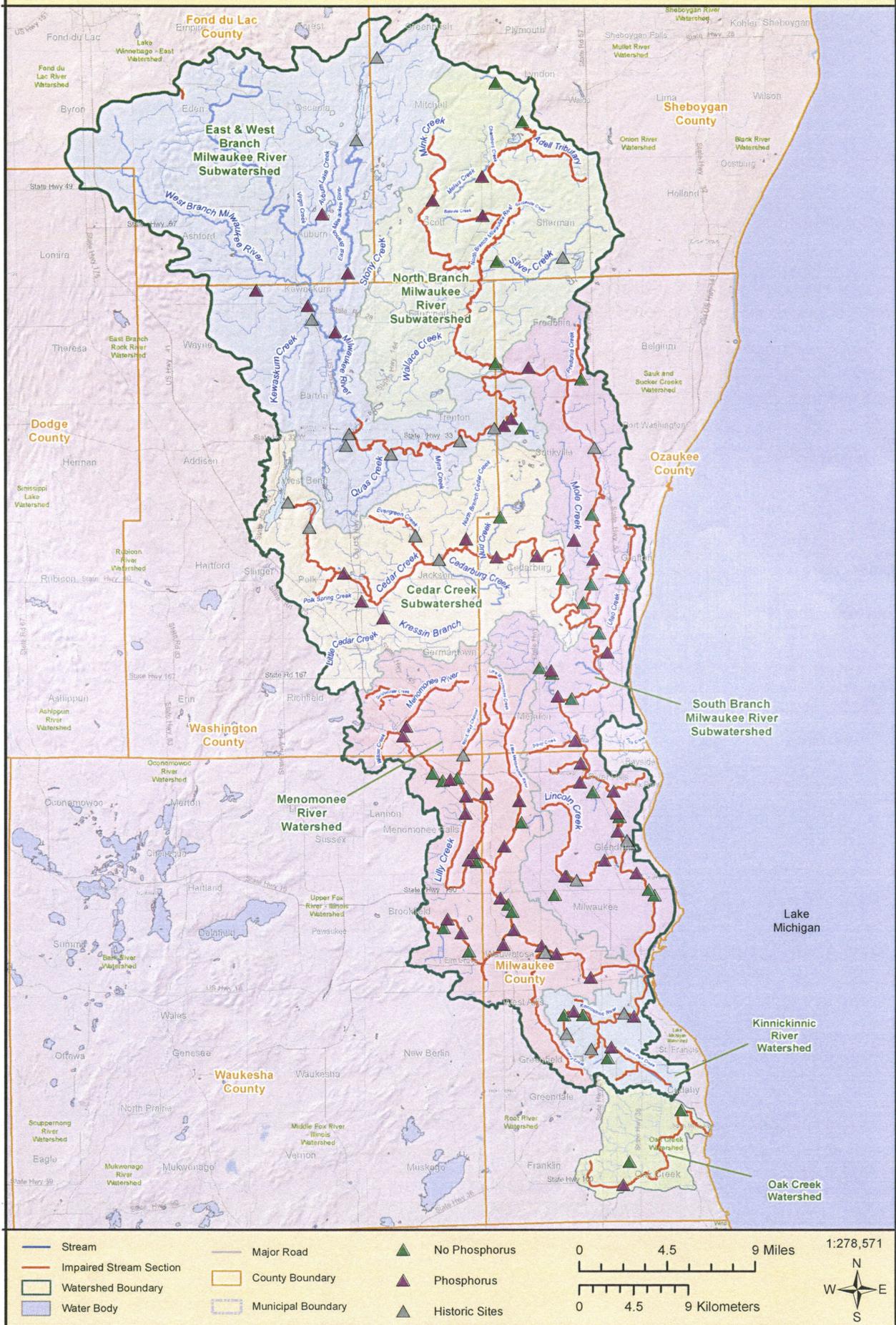
November 16, 2015

For Value received, we hereby waive all rights and claims for lien on building about to be erected, being erected, erected, altered or repaired and to the appurtenances there unto belonging for Village of Jackson, owner, by Advance Construction, Inc. contractor, being situate in Washington County, State of Wisconsin, described Georgetown Drive Reconstruction all labor performed and for all material furnished

  
\_\_\_\_\_  
West Bend Builders Supply, Inc.

11/18/15  
Date

# Milwaukee Riverkeeper Monitoring Sites





# Milwaukee River Watershed Conservation Partnership

## Healthy Soils, Clean Waters, Smart Business

The Milwaukee River, a major tributary to Lake Michigan, faces degraded water quality, due in part to high levels of phosphorous, sediment and bacteria from stormwater runoff. You can make a difference to improve water quality in the area.

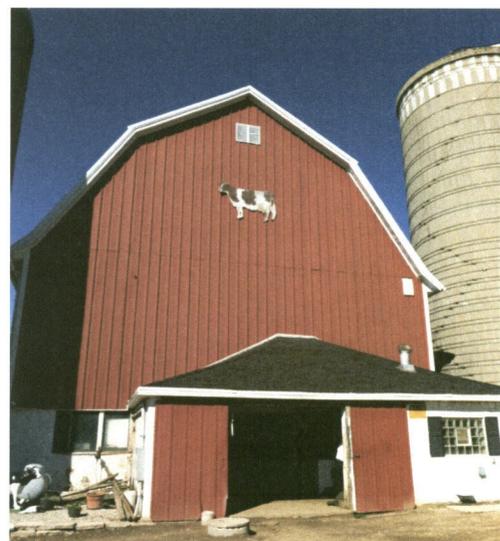


The Milwaukee River Watershed Conservation Partnership (MRWCP) has received \$1.5 million in conservation incentives available to area landowners to support agricultural conservation throughout river corridors. The incentive funding was made available through the USDA Natural Resources Conservation Service (NRCS) Regional Conservation Partnership. By investing in no-till farming, grassed waterways, cover crops, vegetated buffers and nutrient management plans, participants can build soils that hold nutrients for their crops, retain rainwater during dry weather, prevent silts from leaving fields and keep nutrients from entering waterways. Partners seek to demonstrate that healthy soils can be cost effective for production and beneficial to area waterways.



United States Department of Agriculture

Natural Resources Conservation Service





## About Us

The MRWCP is a coalition of agricultural producers, agribusinesses, state and local government, and land trusts coordinated by the Milwaukee Metropolitan Sewerage District (MMSD) and NRCS. The initiative is aimed at encouraging information sharing and collaboratively investing in agricultural conservation. MRWCP participants agree that healthy soils can help mitigate future flooding, improve water quality, and is good for business. MRWCP partners will:

- **Work with landowners to evaluate benefits of agricultural conservation practices**

With support from the NRCS Environmental Quality Incentive Program (EQIP) and Conservation Stewardship Program (CSP), MRWCP will engage agri-business and landowners in demonstration workshops, agricultural innovation field days and practice installation.

- **Preserve farmland through conservation easements**

The MRWCP will help landowners acquire easements on priority agricultural lands through the NRCS Agricultural Conservation Easements Program (ACEP), and develop conservation plans that prioritize nutrient management and EQIP practices.

- **Facilitate producer-led watershed protection groups to promote conservation**

The MRWCP encourages producer-led groups in Ozaukee, Sheboygan and Washington counties to promote information sharing on conservation practices and their impacts on soil and water conditions in the Milwaukee River Watershed.

## Project Goals

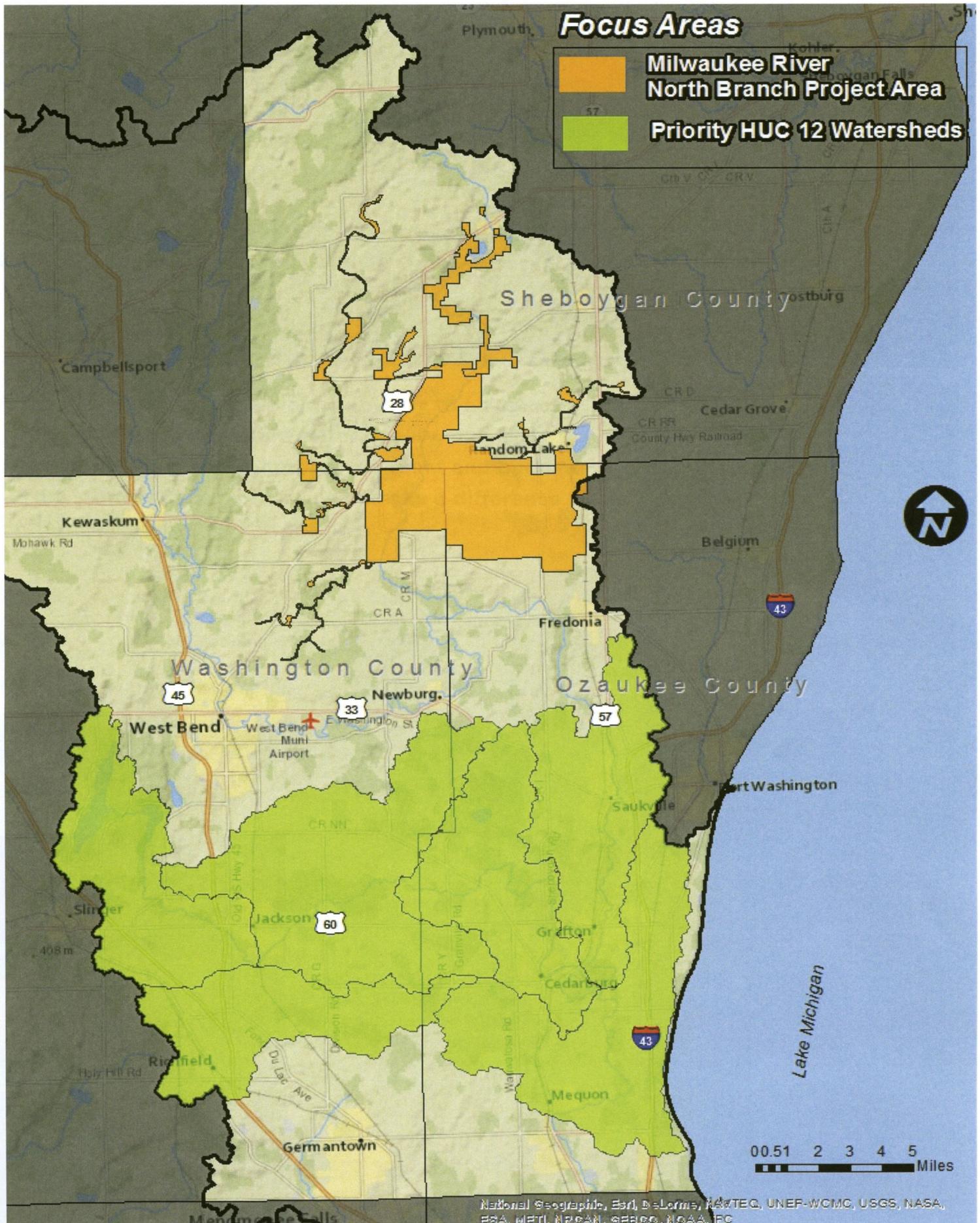
- **Evaluate performance** of conservation practices on soil health; measure the impact practices have on agricultural production through facilitated outreach and practice demonstrations led by area producers.

- **Assist the agricultural community** to improve soil health for increased production. The MRWCP aims to promote agricultural conservation practices along priority streams and rivers using NRCS' EQIP and CSP programs.

- **Support a vibrant farm economy** by permanently protecting local farmland to ensure it remains available for production in the future. The MRWCP aims to protect 818 acres of farmland through the NRCS Agricultural Conservation Easement Program (ACEP).



# MRWCP Project Boundary and Focus Areas



National Geographic, Esri, DeLorme, NAVTEQ, UNEP-WCMC, USGS, NASA, ESA, METI, NRCAN, SEBCO, NOAA, etc.

# Participating Organizations of the Milwaukee River Watershed Conservation Partnership

*USDA Natural Resources Conservation Service (NRCS)*  
*Milwaukee Metropolitan Sewerage District (MMSD)*  
*Ozaukee County Land and Water Management Department (LWCD)*  
*Washington County Land and Water Conservation Division (LWCD)*  
*The Conservation Fund*  
*Ozaukee Washington Land Trust*  
*Glacial Lakes Conservancy (GLC)*  
*Wisconsin Department of Natural Resources*  
*Wisconsin Department of Agriculture, Trade, and Consumer Protection (DATCP)*  
*Fund for Lake Michigan*  
*Glacierland Resource Conservation and Development (RC&D)*  
*Holsum Dairies, LLC*  
*Land Trust Alliance*

*Mid-State Equipment*  
*Milwaukee Riverkeeper*  
*Milwaukee River Watershed Clean Farm Families*  
*Professional Dairy Producers of Wisconsin*  
*Sand County Foundation*  
*Southeastern Wisconsin Watersheds Trust*  
*University of Wisconsin Extension - Discovery Farms*  
*University of Wisconsin Extension - Washington, Ozaukee and Sheboygan Counties*  
*USDA Wisconsin Farm Service Agency*  
*Department of Natural Resources Citizens Advisory Committee*  
*Wisconsin Land and Water Conservation Association*  
*Village of Grafton*  
*Village of Jackson*

## Contact Us

### **Environmental Quality Incentive Program (EQIP) and Conservation Stewardship Program (CSP):**

#### **Natural Resources Conservation Service**

Michael Patin  
920-467-9917 Ext. 101  
650 Forest Avenue  
Sheboygan Falls, WI 53085

#### **Washington County Land and Water Conservation Division**

Paul Sebo  
262-335-4800  
333 East Washington Street, Suite 2300  
West Bend, WI 53095

#### **Ozaukee County Land and Water Management Department**

Andy Holschbach/Jeff Bell  
262-284-8313  
121 W. Main Street, P.O. Box 994  
Port Washington, WI 53074

### **Farmland Preservation Easements:**

#### **The Conservation Fund**

David Grusznski  
414-225-2124  
260 West Seeboth Street  
Milwaukee, WI 53024

#### **Glacial Lakes Conservancy**

Mary Piehl  
920-273-1143  
529 Ontario Avenue  
Sheboygan, WI 53081

#### **Ozaukee Washington Land Trust**

Steve Henkel  
262-338-1794  
200 Wisconsin Street  
West Bend, WI 53095

### **Milwaukee River Watershed Conservation Partnership Information**

#### **Milwaukee Metropolitan Sewerage District**

Karen Nenahlo  
414-225-2276  
260 West Seeboth Street  
Milwaukee, WI 53024



All photos by Ivan LaBianca

# Public Works Report

October 25, 2016

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

## Year 2014

January	Avg. Flow 695,355 g.p.d.	Min. Flow 626,000 g.p.d.	Max. 822,000 g.p.d.
February	Avg. Flow 659,286 g.p.d.	Min. Flow 581,000 g.p.d.	Max. 874,000 g.p.d.
March	Avg. Flow 941,613 g.p.d.	Min. Flow 611,000 g.p.d.	Max. 1.285 MGD
April	Avg. Flow 1.172 MGD	Min. Flow 814,000 g.p.d.	Max. 3.188 MGD
May	Avg. Flow 947,322 g.p.d.	Min. Flow 688,000 g.p.d.	Max. 1.474 MGD
June	Avg. Flow 1.199 MGD	Min. Flow 732,000 g.p.d.	Max. 2.223 MGD
July	Avg. Flow 846,226 g.p.d.	Min. Flow 670,000 g.p.d.	Max. 1.646 MGD
August	Avg. Flow 743,322 g.p.d.	Min. Flow 603,000 g.p.d.	Max. 1.039 MGD
September	Avg. Flow 646,567 g.p.d.	Min. Flow 532,000 g.p.d.	Max. 759,000 g.p.d.
October	Avg. Flow 707,484 g.p.d.	Min. Flow 584,000 g.p.d.	Max. 898,000 g.p.d.
November	Avg. Flow 698,267 g.p.d.	Min. Flow 581,000 g.p.d.	Max. 1.086 MGD
December	Avg. Flow 788,065 g.p.d.	Min. Flow 658,000 g.p.d.	Max. 1.228 MGD

## 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

## 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

### Year 2014

Jan.	Avg.	620,550 g.p.d.	Highest Day 789,000 gals.	Total	19,237,000 gallons
Feb.	Avg.	612,390 g.p.d.	Highest Day 717,000 gals.	Total	17,147,000 gallons
March	Avg.	603,710 g.p.d.	Highest Day 678,000 gals.	Total	18,715,000 gallons
April	Avg.	602,600 g.p.d.	Highest Day 1.037 MGD	Total	18,078,000 gallons
May	Avg.	599,290 g.p.d.	Highest Day 729,000 gals.	Total	18,578,000 gallons
June	Avg.	658,000 g.p.d.	Highest Day 815,000 gals.	Total	19,740,000 gallons
July	Avg.	684,320 g.p.d.	Highest Day 881,000 gals.	Total	21,214,000 gallons
August	Avg.	703,320 g.p.d.	Highest Day 1.019 MGD	Total	21,803,000 gallons
Sept	Avg.	639,170 g.p.d.	Highest Day 747,000 gals.	Total	19,275,000 gallons
October	Avg.	658,940 g.p.d.	Highest Day 1.042 MGD	Total	20,427,000 gallons
Nov	Avg.	595,800 g.p.d.	Highest Day 733,000 gals.	Total	17,874,000 gallons
Dec	Avg.	610,970 g.p.d.	Highest Day 742,000 gals.	Total	18,940,000 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

**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**

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

<b>2014</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
Jan	1,298,100	26,700	8,000	2,000	40,000	\$12,377.30
Feb	1,214,100	42,400	8,000	9,450	16,250	\$12,181.61
March	1,411,000	43,200	5,000	10,300	57,200	\$14,633.31
April	1,634,000	21,800		39,350	191,100	\$19,620.21
May	1,451,750			63,500	199,450	\$18,414.39
June	1,553,200			30,900	253,600	\$19,225.00
July	1,474,650			40,400	205,450	\$17,812.13
August	1,344,650			35,250	187,250	\$16,176.13
September	1,308,700		3,500	54,650	246,050	\$18,292.51
October	1,431,150			89,350	351,950	\$23,106.38
November	1,078,600			66,100	251,214	\$17,013.86
December	1,400,900			12,650	162,910	\$15,085.50

<b>2015</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
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

<b>2016</b>	<b>Holdings (gals)</b>	<b>Grease (gals)</b>	<b>G Decant (gals)</b>	<b>Septage (gals)</b>	<b>S Decant (gals)</b>	<b>Total Billings</b>
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

#### **Cranberry Creek Phase 4**

Final grading of the site is being completed to allow the access road to drain properly. The project is now completed and will be removed from the report.

#### **Final Lift for Developed Subdivisions**

Still working on the final lift of asphalt in Stonewall Ridge Development phase 2, English Oaks, and Laurel Springs this year. Bielinski Homes have not schedule the final lift in Laurel Springs Subdivision Phase 1. There is an interest in purchasing lot 33 (7.9 acres parcel) in English Oaks, which would give the bank the necessary funds for the final lift of asphalt. Discussion has occurred with one of the lot owners in the Stonewall Development on how the final lift of asphalt should be charged back to each property owner.

#### **Rosewood Drive/TIF #4 Expansion Project**

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

#### **Laurel Springs Subdivision**

The Developer (Bielinski Homes) is working on quotes to pave the final lift asphalt this year. No change.

#### **GIS Program**

Town and Country Engineering have started the process for the GIS system upgrade. The necessary license has been purchased to continue with the new mapping. We are finalizing user names to access to the maps.

#### **Storm Water Management Plan**

The ordinance is being finalized to be incorporated into the new Village Code. We will have a presentation at the October PW meeting.

#### **SCADA Upgrade Project**

Staff is meeting with Town & Country Engineering to finalize the bid documents. We are getting closer on finalizing the bid document. The proposed schedule is to advertise for quotes on SCADA services on November 8<sup>th</sup> and 15<sup>th</sup>; plant walkthrough on December 6<sup>th</sup>; open bids on December 15<sup>th</sup>; review bids until the recommendation to the Board of Public Works on January 31<sup>st</sup>.

#### **Wilshire Drive Project LRIP**

Wilshire Drive Streetlight Pole parts have arrived, assembled, and were installed on Friday, October 21<sup>st</sup>. Next, is completing the conduit to the poles, and pulling the wire. Sommers arrived on Friday, October 21<sup>st</sup> to complete the two areas of concrete removed during storm lateral installation; repair a cracked driveway; and pour two corner walkways that were converted from grass to concrete.

#### **Industrial Drive Sidewalk Project**

The Industrial Drive Sidewalk project has all the sidewalk concrete poured and the driveways will be completed next week along with landscaping. The contractor (TP Concrete) will now focus on the Marshland Drive sidewalk. We are waiting for the area to dry out so grading can be done to install the sidewalk.

#### **Stonewall Sidewalk Project**

The Village received approval from WisDOT on Friday, October 14<sup>th</sup>. A Pre-construction meeting was held on Tuesday, October 18<sup>th</sup>, and the project is scheduled to start on Monday, October 24<sup>th</sup>. The sidewalk has been staked and diggers hot lined for construction.

#### **Space Needs Analysis Study**

Cedar Corp team has scheduled a meeting with staff to continue the study of finding the property for the new Safety Building.

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