

AGENDA

Board of Public Works Meeting

Tuesday, March 27, 2018

Jackson Village Hall

N168W20733 Main Street

Jackson WI 53037

1. Call to Order and Roll Call.
2. Approval of Minutes for February 27, 2018 meeting.
3. Review of Bids for Final Paving Miscellaneous Streets 2018.
4. Review of Bids for 2018 Utility Improvements Miscellaneous Street.
5. Review of 2017 Jackson Water Utility Consumer Confidence Report.
6. Pay Request #4 – SCADA System Project – LW Allen.
7. Director of Public Works Report.
8. Citizens/Village Staff to address the Board.
9. Adjourn.

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

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

DRAFT Minutes
Board of Public Works Meeting
Tuesday, February 27, 2018 –7:00 p.m.
Jackson Village Hall
N168W20733 Main Street

1. Call to Order and Roll Call.

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

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

Members absent (excused): None.

Staff present: John Walther, Jim Micech, and Brian Kober.

Others present: None.

2. Approval of Minutes for January 30, 2018, meeting.

Motion by Brian Heckendorf, second by Tr. Lippold to approve the minutes of the January 30, 2018 Board of Public Works meeting.

Vote: 5 ayes, 0 nays. Motion carried.

3. Presentation on 2017 Building Inspection Annual Report.

Chief Building Inspector Jim Micech gave a presentation on the 2017 Building Inspection Annual Report.

Motion by Tr. Kufahl, second by Linda Granec to recommend approval of the 2017 Building Inspection Annual Report to the Village Board as presented.

Vote: 7 ayes, 0 nays. Motion carried.

4. Review of Water Service Request – Western Avenue (Town of Jackson).

Brian Kober explained the Jackson Water Utility has received an application for a water service request located in the Town of Jackson Water Expansion Area. The water service request is for a new single family residence located on Western Avenue. After reviewing the design and the water demand of the request, the calculation of pressure available for uniform loss is 30.5 psi which meets the standard set by the PSC (Public Service Commission) and the DNR (Department of Natural Resources). The current water system in the area would not have to change in order to allow the connection. Discussion continued with impact on the system, and the approved agreement allowing the connection. On Page 3 of the agreement states, "Further subdivision(s) of the Eligible Property, if they occur, are not entitled to receive water without the Owner and the Village entering into a separate written agreement defining the terms and conditions for the provision of water service to the new lots created by the subdivision(s). The Village retains all legislative discretion in determining whether to approve, conditionally approve or deny water service to any new lots created by the Owner. This discretion includes, without limitation, the right to require the annexation or attachment of the future lots that are to be serviced. The Village has no obligation of good faith or fair dealing when negotiating an Owner's request to provide water service to a parcel that is not an Eligible Property. And, without limitation, the Village may terminate negotiations with the Owner for any or no reason by notice to the Owner."

Motion by Tr. Olson, second by Tr. Lippold to recommend denial of the water service request on Western Avenue in the Town of Jackson.

Vote: 4 ayes, 3 nays (Brian Heckendorf, Linda Granec, and Tr. Kufahl). Motion carried.

5. Review of Laurel Springs Phase 2 – Water, Sanitary, Storm Sewer Design.

Brian Kober reviewed with the Board the proposed subdivision of Laurel Springs Phase 2 plans. Motion by Tr. Olson, second by Tr. Lippold to recommend expansion of the water, sanitary sewer, and storm sewer systems to allow for the construction of the Laurel Springs Phase 2 Subdivision.

Vote: 7 ayes, 0 nays. Motion carried.

6. Review of TID #6 – Water, Sanitary, Storm Sewer Design..

Brian Kober reviewed with the Board the proposed TID #6 utility plans.

Motion by Tr. Olson, second by Tr. Lippold to recommend expansion of the water, sanitary sewer, and storm sewer systems to allow for the construction of the TID #6.

Vote: 7 ayes, 0 nays. Motion carried.

7. Discussion on STH 60 Path Project from Coffeerville to Eagle Drive.

Brian Kober reviewed with the Board the STH 60 Path Project from Coffeerville to Eagle Drive. Discussion continued on necessity and time frame of construction. The project has received a DNR grant in the amount of \$45,000.00 which had a construction timeline of design in 2017 and construct in 2018.

Motion by Tr. Olson, second by Linda Granec to refer the item for the May 2018 Board of Public Works meeting.

Vote: 7 ayes, 0 nays. Motion carried.

8. Announcing 2018 Spring Cleanup Day.

Brian Kober announced the 2018 Spring Cleanup Day to be Saturday, April 28, 2018 at the new Street Department site located at W194 N16660 Eagle Drive.

The item was for information only so action was necessary.

9. Director of Public Works report.

Brian Kober gave the report.

Motion by Linda Granec, second by Scott Thielmann to place the Director of Public Works report on file.

Vote: 7 ayes, 0 nays. Motion carried.

10. Citizens/Village Staff to Address the Board.

Barb Carbine from N170 W21805 Rosewood Lane was present to review the TID #6 plans and ask questions on how the project affects her property.

11. Adjourn.

Motion by Tr. Kufahl, second by Scott Thielmann to adjourn,

Vote: 7 ayes, 0 nays. Meeting was adjourned at 8:12 p.m.

Respectfully submitted by: Brian W. Kober, P.E., Director of Public Works/Village Engineer



PROJECT MANUAL FOR
FINAL PAVING
MISCELLANEOUS STREETS
2018
PROJECT NO. 180322



PREPARED BY:



93 S. PIONEER ROAD
SUITE 300
FOND DU LAC, WISCONSIN 54935
(920) 924-5720
(920) 924-5725 FAX

DOCUMENT 00010

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END OF DOCUMENT

DOCUMENT 00030

ADVERTISEMENT FOR BIDS

VILLAGE OF JACKSON
FINAL PAVING
MISCELLANEOUS STREETS
2018

OWNER

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037
(262) 677-9001
(262) 677-9710 Fax

ENGINEER

Gremmer & Associates, Inc.
93 S. Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720
(920) 924-5725 Fax

Project No. 180322

Sealed bids will be received by the Village of Jackson, Village Hall, N168 W20733 Main Street, P.O. Box 637 Jackson, Wisconsin 53037 for Final Paving – Miscellaneous Streets, 2018 until 2:00 p.m., March 22, 2018. Bids received after this time will not be accepted.

Bids will be opened and publicly read aloud at the Village Hall, immediately after specified closing time. All interested parties are invited to attend.

The work generally consists of preparation for and placement of the final lift of HMA pavement on the following streets:

1,225	SY	Living Word Lane
6,165	SY	Stonewall Drive and Georgetown Drive
2,810	SY	Highland Road
5,460	SY	English Oaks Drive

Bids will be received on a unit price basis.

Each bid must be accompanied by a bid bond, a certified check, or a bank cashier's check as bid security, in the sum of five percent (5%) of the bid, payable to the Village of Jackson as a guarantee that if the bid is accepted, a Contract will be entered into and its performance properly secured within fifteen (15) days of the award of Contract. Should any bid be rejected, such bid security will be forthwith returned to the bidder, and should any bid be accepted, such bid bond or check will be returned upon the timely and proper execution and securing of the Contract. In case the successful bidder shall fail to execute the Contract and Performance Bond, the amount of the bid bond or check shall be forfeited to the Village of Jackson as liquidated damages.

Copies of the Bidding Documents may be obtained **ONLY** from www.gremmerassociates.com or www.questcdn.com. No paper plan sets will be provided. Access the Gremmer & Associates, Inc. or QuestCDN web site to view and download bid information and documents on or after **March 8, 2018**, for a non-refundable fee of \$10.00. Input QuestCDN eBidDoc No. **5608147** on the Gremmer & Associates Contract Bids page or on the QuestCDN Project Search page. No password is required. Contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in downloading and working with the digital documents.

Copies of the Bidding Documents are available for viewing at the following offices:

1. Village of Jackson, Village Hall, N168 W20733 Main Street, Jackson, WI, 53037.
2. Gremmer & Associates, Inc., 93 S. Pioneer Road, Suite 300, Fond du Lac, WI 54935.

If the Contractor is not on the Wisconsin Department of Transportation Prequalified Contractors List, a Statement of Qualification of Bidders shall be submitted to the Engineer a minimum of 3 business days prior to the bid opening.

The Village of Jackson reserves the right to reject any or all bids, waive any informality in bidding, or accept the bid(s) which serves the best interest of the Village.

Questions regarding this project should be directed to Mr. Jeff Chvosta, P.E. of Gremmer & Associates, Inc. at (920) 924-5720, (920) 924-5725 fax.

For the Village of Jackson:

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

Published: March 8, 2018
 March 15, 2018

END OF DOCUMENT

DOCUMENT 00100

INSTRUCTION TO BIDDERS

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ARTICLE 1 – DEFINED TERMS

- 1.01 Terms used in these Instructions to Bidders will have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings below, which are applicable to both the singular and plural thereof:
- A. *Bidder* - The individual or entity who submits a Bid directly to OWNER.
 - B. *Issuing Office* - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.
 - C. *Successful Bidder* - The lowest responsible Bidder submitting a responsive Bid to whom OWNER (on the basis of OWNER's evaluation as hereinafter provided) makes an award.

ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

- 2.01 Complete sets of the Bidding Documents are available as stated in the Advertisement or Invitation to Bid.
- 2.02 Complete sets of Bidding Documents must be used in preparing Bids; neither OWNER nor ENGINEER assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.03 OWNER AND ENGINEER in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids for the Work and do not confer license or grant for any other use.

ARTICLE 3 – DISQUALIFICATION OF BIDDERS

- 3.01 Any of the following reasons may be considered as sufficient cause for the disqualification of a Bidder and the rejection of his Proposal or Proposals:
- A. More than one Proposal for the same work from an individual, partnership or corporation under the same or different names.
 - B. Evidence of collusion among Bidders.
 - C. Lack of Responsibility as shown by performance on past work.
 - D. Uncompleted work, which in the judgment of the OWNER, might hinder or prevent the prompt completion of this project.

- E. Conviction of a violation of State or Federal law or regulation relating to or reflecting on the competency of the Bidder for performing the work under this Contract.
- F. Unbalanced bids or prices given in the Proposal.
- G. Gross errors in computation, which cannot be resolved by mathematical correction without resorting to information not contained in the Proposal.

ARTICLE 4 – EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

4.01 *Subsurface and Physical Conditions*

- A. N/A.

4.02 *Underground Facilities*

- A. N/A.

4.03 On request, OWNER will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

4.04 Reference is made to Section 01011, Summary of Project for the identification of the general nature of other work that is to be performed at the Site by OWNER or others (such as utilities and other prime contractors) that relates to the Work for which a Bid is to be submitted. On request, OWNER will provide to each Bidder for examination access to or copies of Contract Documents (other than portions thereof related to price) for such other work.

4.05 It is the responsibility of each Bidder before submitting a Bid to:

- A. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
- B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
- C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;

- D. Carefully study all reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in Paragraph 4.02 of the General Conditions;
 - E. Obtain and carefully study (or assume responsibility for doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
 - F. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
 - G. Become aware of the general nature of the work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents;
 - H. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
 - I. Promptly give ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by ENGINEER is acceptable to Bidder; and
 - J. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- 4.06 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 1.10, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by ENGINEER are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 – PRE-BID CONFERENCE

Not used.

ARTICLE 6 - SITE AND OTHER AREAS

- 6.01 The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by OWNER unless otherwise provided in the Bidding Documents.

ARTICLE 7 – INTERPRETATIONS AND ADDENDA

- 7.01 All questions about the meaning or intent of the Bidding Documents are to be submitted to ENGINEER in writing. Interpretations or clarifications considered necessary by ENGINEER in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by ENGINEER as having received the Bidding Documents. Questions received less than seven days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 7.02 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by OWNER or ENGINEER.

ARTICLE 8 – BID SECURITY

- 8.01 A Bid must be accompanied by Bid security made payable to OWNER in an amount of 5% of Bidder's maximum Bid price and in the form of a certified check or bank cashier's check or a Bid Bond issued by a surety meeting the requirements of Paragraphs 5.01 and 5.02 of the General Conditions.
- 8.02 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract Documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within 15 days after the Notice of Award, OWNER may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the earlier of seven days after the Effective Date of the Agreement or 61 days after the Bid opening, whereupon Bid security furnished by such Bidders will be returned.

- 8.03 Bid security of other Bidders whom OWNER believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

ARTICLE 9 – CONTRACT TIMES

- 9.01 The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Agreement.

ARTICLE 10 – LIQUIDATED DAMAGES

- 10.01 Provisions for liquidated damages, if any, are set forth in the Agreement.

ARTICLE 11 – SUBSTITUTE AND “OR EQUAL” ITEMS

- 11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by CONTRACTOR if acceptable to ENGINEER, application for such acceptance will not be considered by ENGINEER until after the Effective Date of the Agreement. The procedure for submission of any such application by CONTRACTOR and consideration by ENGINEER is set forth in the General Conditions and may be supplemented in the Supplementary Conditions.

ARTICLE 12 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 12.01 The Supplementary Conditions require the identity of Subcontractors, Suppliers, individuals, or entities to be submitted to OWNER in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to OWNER a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification of each such Subcontractor, Supplier, individual, or entity if requested by OWNER. If OWNER or ENGINEER, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, OWNER may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute without an increase in Bid.
- 12.02 If apparent Successful Bidder declines to make any such substitution, OWNER may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors,

Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which OWNER or ENGINEER makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to OWNER and ENGINEER subject to revocation of such acceptance after the Effective Date of the Agreement as provided in Paragraph 6.06 of the General Conditions.

- 12.03 CONTRACTOR shall not be required to employ any Subcontractor or Supplier against whom CONTRACTOR has reasonable objection.

ARTICLE 13 – PREPARATION OF BID

- 13.01 The Bid form is included with the Bidding Documents.
- 13.02 All blanks on the Bid form shall be completed by printing in ink or by typewriter and the Bid signed. A Bid price shall be indicated for each Bid item listed therein, or the words "No Bid", "No Charge", or "Not Applicable" entered.
- 13.03 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.
- 13.04 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.
- 13.05 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown below the signature.
- 13.06 A Bid by an individual shall show the Bidder's name and official address.
- 13.07 A Bid by a joint venture shall be executed by each joint venturer in the manner indicated on the Bid form. The official address of the joint venture must be shown below the signature.
- 13.08 All names shall be typed or printed in ink below the signatures.
- 13.09 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid form.
- 13.10 The address and telephone number for communications regarding the Bid shall be shown.
- 13.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of

the Contract. Bidder's state contractor license number for the state of the Project, if any, shall also be shown on the Bid form.

ARTICLE 14 – BASIS OF BID; EVALUATION OF BIDS

14.02 Unit Price

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid schedule.
- B. The total of all estimated prices will be determined as the sum of the products of the estimated quantity of each item and the unit price Bid for the item. The final quantities and Contract Price will be determined in accordance with Paragraph 11.03 of the General Conditions.
- C. Discrepancies between the multiplication of units of work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

ARTICLE 15 – SUBMITTAL OF BID

15.01 Each prospective Bidder is furnished one copy of the Bidding Documents, and if required, the Bid Bond. A copy of the Bid form is to be completed and submitted with the Bid security and the following data:

- A. Bid Bond, Certified Check, or Bank Cashier's Check
- B. Document 00490; Disclosure of Ownership

15.02 A Bid shall be submitted no later than the date and time prescribed and at the place indicated in the Advertisement for Bids and shall be enclosed in an opaque sealed envelope plainly marked with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted), the name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid shall be enclosed in a separate envelope plainly marked on the outside with the notation "BID ENCLOSED." A mailed Bid shall be addressed to Village of Jackson Department of Public Works, N168 W20733 Main Street, P.O. Box 637, Jackson, Wisconsin 53037.

ARTICLE 16 – MODIFICATION AND WITHDRAWAL OF BID

- 16.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 16.02 If within 24 hours after Bids are opened, any Bidder files a duly signed written notice with OWNER and promptly thereafter demonstrates to the reasonable satisfaction of OWNER that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the work.

ARTICLE 17 – OPENING OF BIDS

- 17.01 Bids will be opened at the time and place indicated in the Advertisement or Invitation to Bid and read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

ARTICLE 18 – BIDS TO REMAIN SUBJECT TO ACCEPTANCE

- 18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid form, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to the end of this Period.

ARTICLE 19 – AWARD OF CONTRACT

- 19.01 OWNER reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. OWNER further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to be non-responsible. OWNER may also reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder. OWNER also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- 19.02 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.
- 19.03 In evaluation Bids, OWNER will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

- 19.04 In evaluation Bidders, OWNER will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.
- 19.05 OWNER may conduct such investigations as OWNER deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.
- 19.06 If the Contract is to be awarded, OWNER will award the Contract to the Bidder whose Bid is in the best interests of the Project.

ARTICLE 20 – CONTRACT SECURITY AND INSURANCE

- 20.01 Article 5 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth OWNER's requirements as to performance and payment Bonds and insurance. When the Successful Bidder delivers the executed Agreement to OWNER, it must be accompanied by such Bonds.

ARTICLE 21 –SIGNING OF AGREEMENT

- 21.01 When OWNER gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within 15 days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to OWNER. Within ten days thereafter, OWNER shall deliver one fully signed counterpart to Successful Bidder with a complete set of the Drawings with appropriate identification.

END OF DOCUMENT

DOCUMENT 00300

BID FORM

OWNERS: Village of Jackson, Wisconsin

PROJECT: Final Paving
Miscellaneous Street

NUMBER: 180322

THIS BID IS SUBMITTED TO: Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNERS in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 2.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of OWNERS.
- 3.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
- A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

Addendum No.

Addendum Date

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the work.
- C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

- D. Bidder has carefully studied all: all drawings of physical conditions in or relation to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities), if any, which have been identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions.
 - E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.
 - F. Bidder does not consider that any further examinations, investigations, exploration, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
 - G. Bidder is aware of the general nature of work to be performed by OWNERS and others at the Site that relates to the Work as indicated in the Bidding Documents.
 - H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
 - I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.
 - J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- 4.01 Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNERS.
- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following unit prices:

The Village of Jackson may choose any of the alternates or combination of alternates.

LIVING WORD LANE					
Item	Description	Units	Quantity	Unit Price	Total
200A	HMA Pavement –Surface Course Living Word Lane	SY	1,225		
200B	Pulverize & Relay w/ HMA Pavement Binder Course & Surface Course Living Word Lane	SY	1,225		

STONEWALL DRIVE & GEORGETOWN DRIVE					
Item	Description	Units	Quantity	Unit Price	Total
300A	HMA Pavement – Surface Course Stonewall Drive & Georgetown Drive	SY	6,165		
300B	Pulverize & Relay w/ HMA Pavement Binder Course & Surface Course Stonewall Drive & Georgetown Drive	SY	6,165		

HIGHLAND ROAD					
Item	Description	Units	Quantity	Unit Price	Total
400A	HMA Pavement – Surface Course Highland Road	SY	2,810		
400B	Pulverize & Relay w/ HMA Pavement Binder Course & Surface Course Highland Road	SY	2,810		

ENGLISH OAKS DRIVE					
Item	Description	Units	Quantity	Unit Price	Total
500A	HMA Pavement – Surface Course English Oaks Drive	SY	5,460		
500B	Pulverize & Relay w/ HMA Pavement Binder Course & Surface Course English Oaks Drive	SY	5,460		

The Village of Jackson is requesting unit prices for the following supplemental items and may choose to add this work to the alternates:

UNIT PRICING			
Item	Description	Units	Unit Price
600	HMA Base Patching	SY	
601	Concrete Curb & Gutter	LF	
602	Concrete Sidewalk	SF	

- 6.01 Bidder agrees that the Work will be complete as specified in Document 00500, Agreement, Article 4.02, Contract Time, and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions and Article 4.02 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.
- 7.01 The following documents are attached to and made a condition of this Bid:
- A. Required Bid bond in the form of Bid Bond, Certified Check or Bank Cashier's Check.
 - B. Document 00490, Disclosure of Ownership
- 8.01 The terms used in this Bid, which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents and have the meanings assigned to them in the General Conditions.

SUBMITTED on _____, 2018.

If BIDDER is:

An Individual

By: _____ (SEAL)
(Individual's Name Typed or Printed)

doing business as _____

Business address: _____

Phone No. _____ Fax No. _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

Phone No. _____ Fax No. _____

A Corporation

By: _____
(Corporation name)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability:

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

(Title)

(Corporate Seal)

Attest: _____
(Secretary)

Business address: _____

Phone No. _____ Fax No. _____

A Joint Venture

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature -- attach evidence of authority to sign)

Title: _____

Business Address: _____

Phone No. _____ Fax No. _____

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature -- attach evidence of authority to sign)

Title: _____

Business Address: _____

Phone No. _____ Fax No. _____

Phone and Fax Number, and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above).

END OF DOCUMENT

DOCUMENT 00420

STATEMENT OF QUALIFICATION OF BIDDERS

Note: Statement of Qualification of Bidders only required to be submitted if contractor is not on the Wisconsin Department of Transportation Prequalified Contractors List.

In accordance with the requirements of the Wisconsin Statutes and the rules adopted by the Village of Jackson, pursuant thereto, for qualification of Bidders to bid upon public work for which bids are advertised in the _____, (I) (we) hereby submit the following information:

Bidder's Name: _____

Address: _____

ZIP: _____ Phone: _____

Experience of the Bidder during the past five years in the prosecution of contracts for similar to that covered by the Bid:

Equipment which is available to be assigned to the project in the event the contract is awarded to this Bidder:

A summary balance sheet showing the assets and liabilities of the Bidder at a date not longer than ninety (90) days before the date of the bid is hereto attached and forms a part of this Certificate.

Dated at _____, Wisconsin, this _____ day of _____, 20____.

(Print/type name and title)

Countersigned by:

(Print/type name and title)

STATE OF WISCONSIN)

_____COUNTY)

_____, being first duly sworn on oath, deposes and says:

He is the individual who signed the attachment Statement of _____, and has been duly authorized by his partner(s) to verify the attached Statement of Qualifications.

_____ and _____

_____ and _____

respectively, of _____

(corporation), and have been duly authorized to execute the attached Statement of Qualifications.

That (he has) (they have) read the above and foregoing Certificate, know the contents thereof and that the same are true to (his) (their) own knowledge.

Subscribed and sworn to before me this _____ day of

_____, 20_____.

Notary Public

My Commission Expires:_____

Disclosure of Ownership

The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), 66.0904(10)(d) and 103.49(7)(d), 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].

- (1) On the date a contractor submits a bid to or completes negotiations with a state agency, local governmental unit, or developer, investor or owner on a project subject to Section 66.0903, 66.0904 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency, local governmental unit, or developer, investor or owner, the name of any "other construction business," which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.
- (2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 66.0904(2), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must **ONLY** be filed, with the state agency project owner, local governmental unit project owner, or developer, investor or owner of a publicly funded private construction project that will be awarding the contract, if **both (A) and (B) are met**.
- (A) The contractor, or a shareholder, officer or partner of the contractor:
- (1) Owns at least a 25% interest in the "other construction business," indicated below, on the date the contractor submits a bid or completes negotiations; or
 - (2) Has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.
- (B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for hours worked in excess of the prevailing hours of labor, to any employee at any time within the preceding three (3) years.

Other Construction Business

Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code
Business Name			
Street Address or P O Box	City	State	Zip Code

I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.

Print the Name of Authorized Officer			
Authorized Officer Signature		Date Signed	
Corporation, Partnership or Sole Proprietorship Name			
Street Address or P O Box	City	State	Zip Code

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

DOCUMENT 00500

AGREEMENT

- A. THIS AGREEMENT is by and between the Village of Jackson, Wisconsin hereinafter called _____, OWNERS and hereinafter called CONTRACTOR.
- B. OWNERS and CONTRACTOR, in consideration of mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 – WORK

- 1.01 CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. Work is generally described as follows:

Preparation and placement of HMA pavement on Living Word Lane, Stonewall Drive, Georgetown Drive, Highland Road, and English Oaks Drive.

ARTICLE 2 – THE PROJECT

- 2.01 Project for which Work under Contract Documents may be whole or only a part is generally described as follows:

Final Paving
Miscellaneous Streets

ARTICLE 3 - ENGINEER

- A. Project has been designed by: GREMMER & ASSOCIATES, INC.
93 S. Pioneer Road
Suite 300
Fond du Lac, WI 54935
(920) 924-5720
(920) 924-5725 FAX

who is hereinafter called ENGINEER and who is to act as the OWNER's representative, assumes duties and responsibilities and will have rights and authority assigned to ENGINEER in the Contract Documents in connection with the completion of Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 *Time of the Essence*

- A. All time limits for Milestones, Completion, and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Dates for Completion and Final Payment*

- A. All work on Living Word Lane, Stonewall Drive, Georgetown Drive, Highland Road, and English Oaks Drive under this contract shall be completed and ready for final payment in accordance with paragraph 14.07 of the General Conditions no later than August 31, 2018.
- B. The project is tentatively scheduled to be reviewed at the March 27, 2018 Board of Public Works meeting and April 3, 2018 Village Board meeting. CONTRACTOR may need to adjust start date and schedule of operations based on the status of the above-mentioned items.

4.03 *Liquidated Damages.*

- A. CONTRACTOR AND OWNERS recognize that time is of the essence of this Agreement and OWNERS will suffer financial loss if Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of General Conditions. The parties also recognize the delays, expense and difficulties involved in proving in a legal or arbitration proceedings the actual loss suffered by OWNERS if the Work is not complete on time. Accordingly, instead of requiring any such proof, OWNERS and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNERS five hundred dollars (\$500.00) for each day that expires after time specified in Paragraph 4.02 for Final Completion until the Work is complete or until the milestones specified in 4.02 are met.

ARTICLE 5 – CONTRACT PRICE

- 5.01 OWNERS shall pay CONTRACTOR for performance of Work in accordance with Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 5.01.A.

See attached copy of Bid Form.

ARTICLE 6 – PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

- A. CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by ENGINEER as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

- A. OWNERS shall make progress payments on account of the Contract Price on the basis of CONTRACTOR's Applications for Payment on or about the 15th day of each month during performance of the Work as provided in Paragraphs 6.02.A.1 and 6.02.A.2 below. All such payments will be measured by the schedule of values established in Paragraph 2.07.A of the General Conditions.
 - 1. The OWNERS will retain 5% of the amount due the CONTRACTOR until 50% of the amount due the CONTRACTOR is reached. At 50% completion, further partial payments shall be made in full to CONTRACTOR and no additional amounts may be retained unless ENGINEER certifies that job is not proceeding satisfactory, but amounts previously retained shall not be paid to CONTRACTOR. At 50% completion or any time thereafter when progress of work is not satisfactory, additional amounts may be retained but in no event shall total retainage be more than 10% of value of work completed.
 - 2. Upon Substantial Completion, OWNERS shall pay an amount sufficient to increase total payments to CONTRACTOR to 98% of the Work completed, less such amounts as ENGINEER shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions and less 100% of ENGINEER's estimate of the value of Work to be completed or corrected as shown on the tentative list of items to be completed or corrected attached to the certificate of Substantial Completion.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, OWNERS shall pay the remainder of the Contract Price as recommended by ENGINEER as provided in said Paragraph 14.07.

ARTICLE 7 – INTEREST

Not used.

ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS

8.01 In order to induce OWNERS to enter into this Agreement, CONTRACTOR makes the following representations:

- A. CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
- B. CONTRACTOR has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. CONTRACTOR has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which has been identified in the Supplementary Conditions as provided in Paragraph 4.02 of the General Conditions.
- E. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto.
- F. CONTRACTOR does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
- G. CONTRACTOR is aware of the general nature of the work to be performed by OWNERS and others at the Site that relates to the Work as indicated in the Contract Documents.
- H. CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.

- I. CONTRACTOR has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.
- J. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01 *Contents*

- A. The Contract Documents consists of the following:
 - 1. This Agreement (pages 00500-1 to 00500-8, inclusive);
 - 2. Performance Bond (pages 00610-1 to 00610-2, inclusive);
 - 3. Payment Bond (pages 00615-1 to 00615-2, inclusive);
 - 4. Other Bonds (pages _____ to _____, inclusive);
 - a. _____ (pages _____ to _____, inclusive);
 - b. _____ (pages _____ to _____, inclusive);
 - c. _____ (pages _____ to _____, inclusive);
 - 5. General Conditions
 - 6. Supplementary Conditions (pages 00810-1 to 00810-5, inclusive);
 - 7. Specifications as listed in the table of contents of the Project Manual;
 - 8. Addenda (numbers _____ to _____, inclusive);
 - 9. Exhibits to this Agreement (enumerated as follows):
 - a. Notice to Proceed (pages _____ to _____, inclusive);
 - b. CONTRACTOR's Bid (pages _____ to _____, inclusive);
 - c. Documentation submitted by CONTRACTOR prior to Notice of Award (pages _____ to _____, inclusive);

d. _____;

10. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:

- a. Written Amendments;
- b. Work Change Directives;
- c. Change Order(s).

B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).

C. There are no Contract Documents other than those listed above in this Article 9.

D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.05 of the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 *Terms*

A. Terms used in this Agreement will have the meanings indicated in the General Conditions.

10.02 *Assignment of Contract*

A. No assignment by a party hereto of any rights under or interests in Contract will be binding on another party hereto without written consent of party sought to be bound; and, specifically but without limitation, monies that may become due and monies that are due may not be assigned without such consent (except to extent that effect of this restriction may be limited by law), and unless specifically stated to contrary in any written consent to an assignment, no assignment will release or discharge assignor from any duty of responsibility under Contract Documents.

10.03 *Successors and Assigns*

A. OWNERS and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in Contract Documents.

10.04 Severability

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNERS and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS THEREOF, OWNERS and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNERS and to CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNERS and CONTRACTOR or on their behalf.

This Agreement will be effective on _____, _____
(which is the Effective Date of the Agreement).

OWNER (Village of Jackson):

CONTRACTOR:

By: _____

By: _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest _____

Attest _____

Address for giving notices:

Address for giving notices:

(If OWNER is a corporation, attach evidence of authority to sign. If OWNER is a public body, attach evidence of authority to sign and and resolution or other documents authorizing execution of OWNER-CONTRACTOR Agreement.)

License No. _____
(Where applicable)

Agent for service of process: _____

(If CONTRACTOR is a corporation or a partnership, attach evidence of authority to sign.)

Designated Representative:

Designated Representative:

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address: _____

Phone: _____

Phone: _____

Facsimile: _____

Facsimile: _____

END OF DOCUMENT

DOCUMENT 00560

CONTRACT CHANGE ORDER

Order No.: _____

Date: _____

Agreement Date: _____

NAME OF PROJECT: _____

OWNER: **Village of Jackson**

CONTRACTOR: _____

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification:

Change to CONTRACT PRICE:

Original Contract Price: \$ _____

Current Contract Price adjusted by Previous Change Order: \$ _____

The Contract Price due to this Change Order will be increased by: \$ _____

The new Contract Price including this Change Order will be: \$ _____

Change to CONTRACT TIME:

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

The date for completion of all work will be **TBD**.

Accepted By: _____ Owner

Representing: Village of Jackson

Print Name/Title: _____

Date: _____

Recommended By: _____ Engineer

Representing: _____

Print Name/Title: _____

Date: _____

Requested By: _____ Contractor

Representing: _____

Print Name/Title: _____

Date: _____

DOCUMENT 00600

CONTRACT FORMS

PART 1 - GENERAL

1.01 FORMS INCLUDED BY REFERENCE

- A. Notice of Award:
 - 1. Notice of Award for this project shall be EJCDC C-510 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- B. Notice To Proceed:
 - 1. Notice To Proceed for this project shall be EJCDC C-550 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- C. Application for Payment:
 - 1. Application for Payment form for this project shall be EJCDC C-620 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- D. Certificate of Substantial Completion:
 - 1. Certificate of Substantial Completion for this project shall be EJCDC C-625 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- E. Standard General Conditions of the Construction Contract:
 - 1. Standard General Conditions of the Construction Contract for this project shall be EJCDC C-700 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- F. Work Change Directive:
 - 1. Work Change Directive for this project shall be EJCDC C-940 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF DOCUMENT

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title:

EJCDC No. C-610 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner for the performance of the Contract, which is incorporated herein by reference.

2. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph 3.1.

3. If there is no Owner Default, Surety's obligation under this Bond shall arise after:

3.1. Owner has notified Contractor and Surety, at the addresses described in Paragraph 10 below, that Owner is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If Owner, Contractor and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive Owner's right, if any, subsequently to declare a Contractor Default; and

3.2. Owner has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph 3.1; and

3.3. Owner has agreed to pay the Balance of the Contract Price to:

1. Surety in accordance with the terms of the Contract;
2. Another contractor selected pursuant to Paragraph 4.3 to perform the Contract.

4. When Owner has satisfied the conditions of Paragraph 3, Surety shall promptly and at Surety's expense take one of the following actions:

4.1. Arrange for Contractor, with consent of Owner, to perform and complete the Contract; or

4.2. Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or

4.3. Obtain bids or negotiated proposals from qualified contractors acceptable to Owner for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by Owner and Contractor selected with Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to Owner the amount of damages as described in Paragraph 6 in excess of the Balance of the Contract Price incurred by Owner resulting from Contractor Default; or

4.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

1. After investigation, determine the amount for which it may be liable to Owner and, as soon as practicable after the amount is determined, tender payment therefor to Owner; or
2. Deny liability in whole or in part and notify Owner citing reasons therefor.

5. If Surety does not proceed as provided in Paragraph 4 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from Owner to Surety demanding that Surety perform its obligations under this Bond, and Owner shall be entitled to enforce any remedy available to Owner. If Surety proceeds as provided in Paragraph 4.4, and Owner refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice Owner shall be entitled to enforce any remedy available to Owner.

6. After Owner has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of Surety to Owner shall not be greater than those of Contractor under the Contract, and the responsibilities of Owner to Surety shall not be greater than those of Owner under the Contract. To a limit of the amount of this Bond, but subject to commitment by Owner of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

6.1. The responsibilities of Contractor for correction of defective Work and completion of the Contract;

6.2. Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions or failure to act of Surety under Paragraph 4; and

6.3. Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.

7. Surety shall not be liable to Owner or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than Owner or its heirs, executors, administrators, or successors.

8. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.

9. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

10. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the address shown on the signature page.

11. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

12. Definitions.

12.1. Balance of the Contract Price: The total amount payable by Owner to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by Owner in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.

12.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.

12.3. Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.

12.4. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

FOR INFORMATION ONLY – Name, Address and Telephone
Surety Agency or Broker
Owner's Representative (engineer or other party)

PAYMENT BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Payment Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title:

EJCDC No. C-615 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, the American Institute of Architects, the American Subcontractors Association, and the Associated Specialty Contractors.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner to pay for labor, materials, and equipment furnished by Claimants for use in the performance of the Contract, which is incorporated herein by reference.
2. With respect to Owner, this obligation shall be null and void if Contractor:
 - 2.1. Promptly makes payment, directly or indirectly, for all sums due Claimants, and
 - 2.2. Defends, indemnifies, and holds harmless Owner from all claims, demands, liens, or suits alleging non-payment by Contractor by any person or entity who furnished labor, materials, or equipment for use in the performance of the Contract, provided Owner has promptly notified Contractor and Surety (at the addresses described in Paragraph 12) of any claims, demands, liens, or suits and tendered defense of such claims, demands, liens, or suits to Contractor and Surety, and provided there is no Owner Default.
3. With respect to Claimants, this obligation shall be null and void if Contractor promptly makes payment, directly or indirectly, for all sums due.
4. Surety shall have no obligation to Claimants under this Bond until:
 - 4.1. Claimants who are employed by or have a direct contract with Contractor have given notice to Surety (at the addresses described in Paragraph 12) and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.
 - 4.2. Claimants who do not have a direct contract with Contractor:
 1. Have furnished written notice to Contractor and sent a copy, or notice thereof, to Owner, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials or equipment were furnished or supplied, or for whom the labor was done or performed; and
 2. Have either received a rejection in whole or in part from Contractor, or not received within 30 days of furnishing the above notice any communication from Contractor by which Contractor had indicated the claim will be paid directly or indirectly; and
 3. Not having been paid within the above 30 days, have sent a written notice to Surety and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to Contractor.
5. If a notice by a Claimant required by Paragraph 4 is provided by Owner to Contractor or to Surety, that is sufficient compliance.
6. When a Claimant has satisfied the conditions of Paragraph 4, the Surety shall promptly and at Surety's expense take the following actions:
 - 6.1. Send an answer to that Claimant, with a copy to Owner, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.
 - 6.2. Pay or arrange for payment of any undisputed amounts.
7. Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by Surety.
8. Amounts owed by Owner to Contractor under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any performance bond. By Contractor furnishing and Owner accepting this Bond, they agree that all funds earned by Contractor in the performance of the Contract are dedicated to satisfy obligations of Contractor and Surety under this Bond, subject to Owner's priority to use the funds for the completion of the Work.
9. Surety shall not be liable to Owner, Claimants, or others for obligations of Contractor that are unrelated to the Contract. Owner shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.
10. Surety hereby waives notice of any change, including changes of time, to the Contract or to related Subcontracts, purchase orders and other obligations.
11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by Paragraph 4.1 or Paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.
12. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the addresses shown on the signature page. Actual receipt of notice by Surety, Owner, or Contractor, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.
13. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory Bond and not as a common law bond.
14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, Contractor shall promptly furnish a copy of this Bond or shall permit a copy to be made.
15. DEFINITIONS
 - 15.1. Claimant: An individual or entity having a direct contract with Contractor, or with a first-tier subcontractor of Contractor, to furnish labor, materials, or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of Contractor and Contractor's Subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
 - 15.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
 - 15.3. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

**FOR INFORMATION ONLY – Name, Address and Telephone
Surety Agency or Broker:
Owner's Representative (engineer or other party):**

DOCUMENT 00810

SUPPLEMENTARY CONDITIONS

The Supplementary Conditions amend or supplement the "Standard General Conditions of the Construction Contract" (EJCDC No. C-700, 2007 Edition) and other provisions of the Contract Documents as indicated below. All provisions, which are not so amended or supplemented, remain in full force and effect.

ARTICLE 1 - DEFINITIONS

SC 1.01.

Amend Article 1.01 (A)(19) to read as follows:

Engineer - The Village Engineer, Village of Jackson.

ARTICLE 2 - PRELIMINARY MATTERS

SC 2.02.

Amend the first sentence of Article 2.02 of the General Conditions to indicate the number of copies of Contract Documents as follows:

Three copies of the Contract Documents shall be furnished.

SC 2.03.

Delete the last sentence of Article 2.03 of the General Conditions in its entirety.

SC 2.06.

Add new paragraph immediately after Article 2.06 of the General Conditions, which is to read as follows:

2.06(A) The conference will be held at a location selected by OWNER.

ARTICLE 5 - BONDS AND INSURANCE

SC 5.04.

Supplement Article 5.04 with the following information:

The limits of liability for the insurance required by Article 5.04 of the General Conditions shall provide the following coverage for not less than the following amounts or greater where required by Laws and Regulations:

5.04.A.1. and 5.04.A.2. Worker's Compensation, etc., under Articles 5.04.A.1 and 5.04.A.2 of the General Conditions:

(1) State:	Statutory
(2) Applicable Federal (e.g. , Longshoreman's):	Statutory
(3) Employer's Liability.*	
Bodily Injury by Accident (each accident)	\$1,000,000
Bodily Injury by Disease (each employee)	\$1,000,000
Bodily Injury by Disease (policy limit)	\$1,000,000

*Or limits required by umbrella insurer

5.04.A.3 – 5.04.A.5. Contractor's General Liability under Articles 5.04.A.3 through 5.04.A.5 of the General Conditions which shall include completed operation and product liability coverage.

(1) General Aggregate (Except Products – Completed Operations)	\$1,000,000
(2) Products – Completed Operations Aggregate	\$1,000,000
(3) Personal and Advertising Injury (Per Person/Organization)	\$1,000,000
(4) Bodily Injury and Property Damage Each Occurrence	\$1,000,000
(5) Personal Medical Expense (Per Person)	\$5,000
(6) Property Damage Liability Insurance will provide Explosion, Collapse, and Underground coverage where applicable.	
(7) Excess Liability (Umbrella)	
General Aggregate	\$2,000,000
Each Occurrence	\$2,000,000

Or limits required by umbrella insurer

5.04.A.6 Automobile Liability

Bodily Injury and Property Damage Combined Single Limit Each Accident	\$1,000,000
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Or limits required by umbrella insurer

5.04.B.4 The Contractual Liability coverage required by Article 5.04.B.4 of the General Conditions shall provide coverage for not less than the following amounts:

General Aggregate	\$1,000,000
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Each Occurrence (Bodily Injury and Property Damage)	\$1,000,000
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Or limits required by umbrella insurer

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

SC 6.08.

Owner will obtain and pay for all necessary permits for the work.

SC 6.13.C.

Add a new paragraph immediately after Article 6.13.B. of the General Conditions which is to read as follows:

6.13.C. In emergencies affecting the safety or protection of persons or property or maintenance of temporary construction at the site or adjacent thereto, and CONTRACTOR cannot be reached, OWNER may act to attempt to prevent threatened damage, injury, or loss. OWNER will give CONTRACTOR and ENGINEER prompt written notice of such action and the cost of the correction or remedy shall be charged against CONTRACTOR. A Change Order will be issued to document the change in Contract Price.

6.13.D. Contractor shall assist and cooperate fully with Village in meeting any obligations under the Wisconsin Public Records law. In the event that contractor withholds records, for any reason, and said withholding is found to be in violation of the law or a Court Order, contractor shall indemnify and hold harmless Village for any and all costs related to the withholding of those records, including, but not limited to, monetary damages of any kind, actual attorney's fees, and litigation costs of any kind.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

SC 9.11.

Add a new paragraph immediately after Article 9.10.A. of the General Conditions:

9.11. When ENGINEER is on the Project site to perform the duties and responsibilities as set forth in the Contract Documents, ENGINEER will comply with CONTRACTOR'S safety plans, programs, and procedures. In the event ENGINEER determines that CONTRACTOR'S safety plans, programs, and

procedures do not provide adequate protection for ENGINEER, ENGINEER may direct its employees to leave the Project site or implement additional safeguards for ENGINEER'S protection. If taken, these actions will be in furtherance of ENGINEER'S responsibility to its own employees only, and ENGINEER will not assume any responsibility for protection of any other persons or property affected by the Work. In the event ENGINEER observes a situation which appears to have potential for immediate and serious injury to persons or property, ENGINEER may warn the persons who appear to be affected by such situations. Such warnings, if issued, shall be given based on general humanitarian concerns, and ENGINEER will not, by the issuance of any such warning, assume any responsibility to issue future warnings or any general responsibility for protection of persons or property affected by the Work.

ARTICLE 17 - MISCELLANEOUS

SC 17.07.

Add a new paragraph immediately after Article 17.06 of the General Conditions, which is to read as follows:

17.07. Lien Waivers:

OWNER may at any time during the Work or before Substantial Completion of the Work require CONTRACTOR to furnish lien waivers for labor and materials used.

ARTICLE 6.20 – IDEMNIFICATION

Add the following to the end of Paragraph 6.20 A of the General Conditions:

- A. In addition, CONTRACTOR shall indemnify and hold harmless the OWNERS, ENGINEER, and their agents and employees, from and against any and all claims, damages, losses, and expenses, including reasonable attorney's fees in case it shall be necessary to file an action, arising out of performance of the work herein, that is:
 - a. for bodily injury, illness, or death, or for property damage, including loss of use, and
 - b. caused in whole or in part by Contractor's negligent act or omission, or that of a subcontractor, or that of anyone employed by them or for whose acts the Contractor or Subcontractor may be liable.

ARTICLE 13.01 – NOTICE OF DEFECTS

Add the following new paragraph immediately after Article 13.01A:

- B. CONTRACTOR shall be required to warranty or guarantee materials and workmanship for work done under this contract by keeping said works in good order or repair at his expense for **one year** from date of Final Completion of Work by OWNERS. Guarantee items shall include, but are not limited to, concrete, re-grading and restoration of work areas, and re-establishment of lawn areas.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF DOCUMENT

DOCUMENT 00821

WAGE REQUIREMENTS

PART 1 – GENERAL

1.01 WAGE REQUIREMENTS

- A. As per Section 2015 Act 55, the Village is not required to establish a rate of wage scale for this project.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF DOCUMENT

DOCUMENT 00900

ADDENDA

FILE ADDENDA HERE

SECTION 01011

SUMMARY OF PROJECT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Project; Work covered by Contract Documents.
- B. Contracts.
- C. Administrative and procedural Sections applicable to all Contracts.
- D. Work under prime Contracts.

1.02 RELATED SECTIONS

- A. Section 01019 - Contract Considerations.

1.03 PROJECT - WORK COVERED BY CONTRACT DOCUMENTS

- A. Work of the single prime contract comprises the Project for the construction of the
Final Paving
Miscellaneous Streets

1.04 CONTRACTS

- A. Perform Work under a unit price contract with the OWNER.
- B. Work of Contract is identified in the following Articles and on the Drawings.

1.05 CONTRACT NO. 1 - GENERAL

- A. Work of contract generally comprises the following:
 - 1. HMA pavement.
- B. Division 1 - General Requirements:
 - 1. All sections
- C. Division 2 - Site Work
 - 1. All sections.

- D. Division 3 - Concrete
 - 1. All sections.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION

SECTION 01019

CONTRACT CONSIDERATIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Application for Payment.
- B. Change procedures.
- C. Time limits for construction operation.

1.02 RELATED SECTIONS

- A. Document 00300 - Bid Form.
- B. Section 01400 - Quality Control.

1.03 APPLICATIONS FOR PAYMENT

- A. Submit three (3) copies of each application.
- B. Content and Format: Utilize Schedule of Unit Prices for listing items in Application for Payment.
- C. Payment Period: Application for payment must be to ENGINEER by the 15th day of each month for payment on the next month.
- D. Waiver of Liens to be filed for previous application for payment.

1.04 CHANGE PROCEDURES

- A. ENGINEER will advise of minor changes in Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions by letter.
- B. ENGINEER may issue Proposal Request, which includes detailed description of a proposed change with supplementary or revised Drawings and Specifications, or change in Contract Time. CONTRACTOR will prepare and submit estimate within an appropriate time to maintain project schedules.
- C. CONTRACTOR may propose change by submitting request for change to ENGINEER, describing proposed change and its full effect on Work. Include statement describing the reason for change, and effect on Contract Sum/Price and

Contract Time with full documentation and statement describing effect on Work by separate or other contractors.

- D. Stipulated Sum/Price Change Order: Based on Proposal Request and CONTRACTOR's price quotation or CONTRACTOR's request for a Change Order as approved by ENGINEER and price quotation.
- E. Construction Change Directive: ENGINEER may issue a directive, on letterhead form authorizing CONTRACTOR to proceed with change in Work, for subsequent inclusion in a Change Order. Letter will describe changes in Work, and designate method of determining change in Contract Sum/Price or Contract Time.
- G. Execution of Change Orders: ENGINEER will issue Change Orders for signatures of parties as provided in Conditions of Contract.

1.05 TIME LIMITS FOR CONSTRUCTION OPERATIONS

- A. The CONTRACTOR shall confine his construction activities to the times between 7:00 a.m. and 7:00 p.m., Monday thru Friday unless approved by the ENGINEER.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

END OF SECTION

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Pay items and units of measure.

1.02 RELATED REQUIREMENTS

- A. Document 00500 – Agreement
- B. Document 00700 – General Conditions

1.03 MEASUREMENT

- A. CONTRACTOR estimates shall be used for partial payments. CONTRACTOR shall submit to Engineer an “Application of Payment” for work completed. Request shall conform to “Schedule of Values”. ENGINEER will measure items for final payment.

1.04 PAYMENT

- A. Payment will be in accordance with Agreement and General Conditions.

1.05 UNIT PRICES

- A. Prices paid for various items shall include providing necessary material, labor, tools, equipment, insurance, transportation, disposal and incidentals.
- B. Quantity measured for payment shall be only actual amount incorporated in Work and accepted by OWNER.
- C. Cost of any work item called for in Contract Documents but not specifically provided for in a unit price shall be considered incidental to the Work and be included by CONTRACTOR in the unit prices and shall not be paid for separately.

1.06 STANDARD SPECIFICATIONS

- A. All roadway work shall conform to the Standard Specifications for Highway and Structure Construction, Wisconsin Department of Transportation, Latest Edition, hereinafter referred to as WDOT.

- B. All sanitary sewer and water main work shall conform to the Standard Specifications for Sewer and Water Construction in Wisconsin, Latest Edition, but excluding Part I, hereinafter referred to as WS&W.
- C. In the case of a discrepancy between Section 02000 Special Provisions, WDOT specifications, and WS&W specifications, the Section 02000 Special Provisions shall govern.

1.07 SCHEDULE OF UNIT PRICE ITEMS

- A. The method and measurement and basis of payment for all unit price pay items shall be in accordance with the pertinent sections of the “Standard Specifications for Highway and Structure Construction,” State of Wisconsin, Latest Edition, and all Subsequent Supplemental Specifications (hereinafter referred to as WDOT standard specifications), or the project special provisions identified in Section 02000 Special Provisions, except for the following modifications:

Roadway Items

- 100A-500A HMA Pavement – Surface Course
 - a. Unit of measure: Square yards.
 - b. Payment shall be square yards and shall include all preparing roadway for asphaltic paving; asphaltic materials; tack coat; milling as necessary to match curb and gutter, manholes and all other adjacent structures; butt joints; street sweeping; water; traffic control; water valve adjustment; storm sewer casting adjustments; sanitary sewer casting adjustments; mobilization; finishing roadway; and for all labor, tools, equipment, services and incidentals necessary to complete the work..
- 100B-500B Pulverize & Relay w/ HMA Pavement – Binder Course & Surface Course.
 - a. Unit of measure: Square yards.
 - b. Payment shall be square yards in accordance with WDOT 325.4 and shall include all removal and disposal of excess material as necessary to accept the proposed pavement, grading and shaping roadway for asphaltic paving; asphaltic materials; tack coat; butt joints; street sweeping; water; traffic control; water valve adjustment; storm sewer casting adjustments; sanitary sewer casting adjustments; mobilization; finishing roadway; sawing; and for all labor, tools, equipment, services and incidentals necessary to complete the work..

- 600 Base Patching Asphaltic
- a. Unit of measure: Square yards in accordance with WDOT 390.4.
 - b. Payment shall be in accordance with WDOT 390.5, except that it shall include sawing existing pavement; and for all labor, tools, equipment, services and incidentals necessary to complete the work.
- 601 Concrete Curb & Gutter
- a. Unit of measure: Lineal foot in accordance with WDOT 601.4.
 - b. Payment shall be in accordance with WDOT 601.5, except that it shall include removal and disposal of existing concrete curb and gutter; drilled tie bars; high early strength concrete (if required for construction staging or access); lawn restoration; sawing; and for all labor, tools, equipment, services and incidentals necessary to complete the work..
- 602 Concrete Sidewalk
- a. Unit of measure: Square foot in accordance with WDOT 602.4.
 - b. Payment shall be in accordance with WDOT 602.5, except that it shall include removal and disposal of existing sidewalk; preparation of base; high early strength concrete (if required for construction staging or access); lawn restoration; sawing; and for all labor, tools, equipment, services and incidentals necessary to complete the work..

INCIDENTAL CONSTRUCTION

- A. All work necessary to complete the project in accordance with the plans and contract, and not specifically accounted for in any other bid item, shall be considered incidental to the other bid items. The CONTRACTOR shall include the cost to provide the work in his separate unit prices and shall not be paid separately for these items.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01039

COORDINATION AND MEETINGS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Coordination.
- B. Field engineering.
- C. Preconstruction conference.

1.02 RELATED SECTIONS

- A. Section 01011 - Summary of Project.

1.03 COORDINATION

- A. Coordinate scheduling, submittals, and Work of various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Coordinate construction with the other CONTRACTORS and OWNER.
- C. All CONTRACTORS shall have e-mail.

1.04 FIELD ENGINEERING

- A. OWNER shall establish reference points and provide layout construction.
- B. OWNER shall provide the following layout:
 - 1. One layout of curb and gutter and sidewalk removal locations.

CONTRACTOR is responsible for all field engineering in addition to the field engineering provided by OWNER as necessary to complete the Work.

If stakes and boards have to be reset because of negligence of CONTRACTOR, CONTRACTOR shall bear the cost of such work.

1.05 PRECONSTRUCTION CONFERENCE

- A. ENGINEER will schedule, conduct and prepare meeting minutes for a preconstruction conference.
- B. Attendance Required: OWNER, ENGINEER and CONTRACTORS.
- C. Agenda:
 - 1. Execution of OWNER-CONTRACTOR Agreement, if not completed.
 - 2. Submission of executed bonds and insurance certificates, if not completed.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of products, Schedule of Values, and progress schedule, if not completed.
 - 5. Designation of personnel representing the parties in Contract, and the ENGINEER.
 - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders and Contract closeout procedures.
 - 7. Record Drawing responsibilities.
 - 8. Scheduling.
 - 9. Scheduling activities of OWNER.
 - 10. Contract and alternates summary of work of all contracts.
 - 11. Other business relating to work.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 01400

QUALITY CONTROL

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Quality assurance and control of installation.
- B. Reference Standards.
- C. Field samples.
- D. Inspection and testing laboratory services.
- E. Manufacturers' field services and reports.

1.02 QUALITY ASSURANCE AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from ENGINEER before proceeding.
- D. Comply with specified standards as minimum quality for Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

1.03 REFERENCE STANDARDS

- A. Conform to reference standard by date of issue current on date for receiving bids.
- B. Obtain copies of standards when required by Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from ENGINEER before proceeding.

- D. Contractual relationship of parties to Contract shall not be altered from Contract Documents by mention or inference otherwise in any reference document.

1.04 FIELD SAMPLES

- A. Install field samples at site as required by individual specifications Sections for review.
- B. Acceptable samples represent a quality level for Work.
- C. Where field sample is specified in individual Sections to be removed, clear area after field sample has been accepted by ENGINEER.

1.05 INSPECTION AND TESTING LABORATORY SERVICES

- A. OWNER will appoint and employ services of an independent firm to perform testing.
- B. The independent firm will perform tests and other services specified in individual specification Sections and as required by the ENGINEER.
- C. Testing and source quality control may occur on or off the Work Site. Perform off-site testing as required by the ENGINEER.
- D. Reports will be submitted by the independent firm to the OWNER, ENGINEER and CONTRACTOR, indicating observations and results of tests and indicating compliance or non-compliance with the Contract Documents.
- E. Cooperate with independent firm; furnish samples of materials, design mix, equipment, tools, storage, safe access, and assistance with incidental labor as requested. Notify ENGINEER and independent firm as requested 48 hours prior to expected time for operations requiring services. Make arrangements with independent firm and pay for additional samples and tests required for CONTRACTOR'S use.
- F. Re-testing required because of non-conformance to specified requirements shall be performed by the same independent firm on instructions by the ENGINEER. Payment for re-testing will be charged to the CONTRACTOR by deducting testing charges from the Contract sum.

1.06 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. Submit qualifications of observer to ENGINEER 10 days in advance of required observations. Observer subject to approval of Engineer.

- B. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment and as applicable, and to initiate instructions when necessary.
- C. Individuals to report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- D. Submit report in duplicate within 20 days of observation to ENGINEER for review.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION

SECTION 01700

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Closeout procedures.
- B. Final cleaning.
- C. Adjusting.
- D. Project record documents.
- E. Warranties.

1.02 CLOSEOUT PROCEDURES

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for ENGINEER's inspection.
- B. Provide submittals to ENGINEER and OWNER that are required by governing or other authorities.
- C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.

1.03 FINAL CLEANING

- A. Execute final cleaning prior to final inspection.
- B. Clean site; sweep paved areas, rake clean landscaped surfaces.
- C. Remove waste and surplus materials, rubbish, and construction facilities from site.

1.04 ADJUSTING

- A. Adjust operating products and equipment to ensure smooth and unhindered operation.

1.05 PROJECT RECORD DOCUMENTS

- A. Maintain on site, one set of the following record documents; record actual revision to Work:
 - 1. Contract Drawings.
 - 2. Specifications.
 - 3. Addenda.
 - 4. Change Orders and other Modifications to Contract.
 - 5. Reviewed shop drawings, product data, and samples.
- B. Store Record Documents separate from documents used for construction.
- C. Record information concurrent with construction progress.
- D. Specifications: Legibly mark and record at each Product section description of actual Products installed, including following:
 - 1. Manufacturer's name and product model and number.
 - 2. Product substitutions or alternates utilized.
 - 3. Changes made by Addenda and Modifications.
- E. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including:
 - 1. Measured depths of foundations in relation to finish first floor datum.
 - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of Work.
 - 4. All changes and revisions, including change orders, to Drawings.
 - 5. Details not on original Contract Drawings.
- F. Submit documents to ENGINEER with claim for final Application for Payment.

1.06 WARRANTIES

- A. CONTRACTOR shall provide warranties beyond project one-year warranty as required by technical sections and as follows.
- B. Submit warranty information as follows:
 - a. Provide notarized copies.
 - b. Execute and assemble transferable warranty documents from subcontractors, suppliers, and manufacturers, and provide Table of Contents and assemble in three-ring binder with durable cover.
 - c. Submit with request for certificate of Final Completion.

- d. For items of work delayed beyond date of Final Completion, provide updated submittal within 10 days after acceptance listing date of acceptance as start of warranty period.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 02000

SPECIAL PROVISIONS

**Final Paving
Miscellaneous Streets**

Table of Contents

Article	Description	Page #
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19.	Lawn Restoration	5

SPECIAL PROVISIONS

1. General

All references in these special provisions to department shall refer to Village of Jackson or their representatives.

Perform the work under this construction contract for the final paving of miscellaneous street in the Village of Jackson, Washington County, Wisconsin as the contract documents state and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, Latest Edition, as published by the department (hereinafter referred to as WDOT), these special provisions, the Village of Jackson Standard Specifications, and the Standard Specifications for Sewer and Water Construction in Wisconsin, Latest Edition.

All items not specifically shown on the plans or within the special provisions shall be considered incidental to other items in the contract.

2. Scope of Work

The work under this contract shall consist of preparation and placement of final lift of HMA pavement, spot repair of concrete curb and gutter and sidewalk, mobilization, restoration, sawing, finishing and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

3. Prime Contractor Participation

The prime contractor shall perform at least 30 percent of the original contract amount in accordance with the State of Wisconsin Standard Specifications for Highway and Structure Construction, Latest Edition, Section 108.1.2.

4. Prosecution and Progress

Begin work within 10 calendar days after issued a written notice to proceed.

Contract Time for Completion

All work on Living Word Lane, Stonewall Drive, Georgetown Drive, Highland Road, and English Oaks Drive under this contract shall be completed and ready for final payment no later than August 31, 2018.

5. Hours of Operation

CONTRACTOR shall request permission from the Village at least two days prior to performing any work prior to 7:00 A.M., or later than 7:00 P.M., or on Saturdays, Sundays, or legal holidays. In the event of no inspector being available, excessive noise, traffic, or other disruption, the ENGINEER shall have the sole right to order the discontinuance of work during the above times.

6. Information to Bidders – Sales Tax Exemption

2015 Wisconsin Act 126, which allows contractors to purchase construction materials on behalf of their tax exempt clients without paying the sales tax, took effect on January 1, 2016. Contractors are urged to utilize the provisions of Act 126 for all applicable materials for this project.

7. Traffic Control

All roadways will remain open to through traffic as part of this contract. Maintain emergency vehicle access within the project limits at all times. Maintain access to driveways at all times, with the exception of concrete curb and gutter and concrete driveway construction. Provide adjacent residents or business owners a 24 hour notice before closing driveway access for any length of time greater than 30 minutes.

All traffic control shall be in accordance with WDOT sections 643.2 and 643.3, the Manual on Uniform Traffic Control Devices, and these plans and specifications.

8. Construction Traffic/Haul Roads

No construction traffic will be allowed to utilize local roadways. The haul routes for this project shall utilize STH 60, Jackson Drive and Highland Road unless alternate routes are approved by Village of Jackson.

9. Utilities

Underground and overhead utility facilities are located within the project limits. Utility adjustments are not anticipated for this project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per Wisconsin state statutes. Use caution to insure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

10. Protection of Concrete

Subsection 415.5.14 of the WisDOT standard specifications is supplemented as follows:

The contractor shall provide for a minimum of one concrete finisher to remain on the project site after final finishing of all concrete surfaces until such time as the concrete

has hardened sufficiently to resist surface scarring caused by footprints, handprints or any other type of imprint, malicious or otherwise. The finisher shall actively and continuously patrol on foot the newly placed concrete and repair any damage to the surface that might be sustained as described above.

The cost for providing the finisher(s), the necessary equipment, and materials shall be construed to be included in the contract unit price for each concrete item.

11. Material Disposal Sites

All locations and permits for material disposal sites shall be the responsibility of the contractor. All costs associated with material disposal sites, including, but not limited to, erosion control, fertilizing, and seeding shall be considered incidental to other items.

12. Property Corner Monuments

All existing property corners shall be maintained during construction. Any property irons disturbed during construction shall be restored by the contractor at their expense.

13. Structure Castings.

All existing structure castings shall be inspected for damage prior to beginning construction. Contractor shall notify the Village of Jackson of any damaged castings and shall include the removal of the existing casting and installation of the replacement casting, adjustment rings, and chimney seal as provided by the Village of Jackson incidental to the project. Any castings damaged by the Contractor as part of their construction operations shall be replaced at the expense of the Contractor.

14. Drainage

Contractor shall provide for the flow of existing surface drainage in existing sewer, water courses, culverts, gutters, catch basins, drains, etc., which are affected by the prosecution of the work. Any diversion of existing water courses shall be done solely on the land of the Owners unless proper rights for diversion on other land have been procured.

Excessive ponding due to grading shall be avoided. Temporary facilities shall be provided by the Contractor to handle “trapped” water until such time that permanent drainage facilities are constructed.

15. Street Sweeping

Remove dirt and dust particles from the roadway and impacted adjacent roadways using a street sweeper periodically during the project as directed by the engineer. Provide a self-contained mechanical or air conveyance street sweeper and dispose of the accumulated material. Street sweeping shall be considered incidental to other bid items.

16. Water

Water will not be paid for as a separate bid item. Contractor shall provide and pay for all costs associated with water required for grading, excavating, backfilling, compacting and erosion control.

17. Mobilization

Mobilization will not be paid for as a separate bid item. All costs associated with mobilization for the project shall be considered incidental to other items.

18. HMA Pavement

HMA Pavement – Surface Course shall be 4 LT 58-28 S. Thickness is anticipated to be approximately 1-3/4” to 2”.

HMA Pavement – Binder Course shall be 3 LT 58-28 S. Thickness is anticipated to be approximately 2-1/4”.

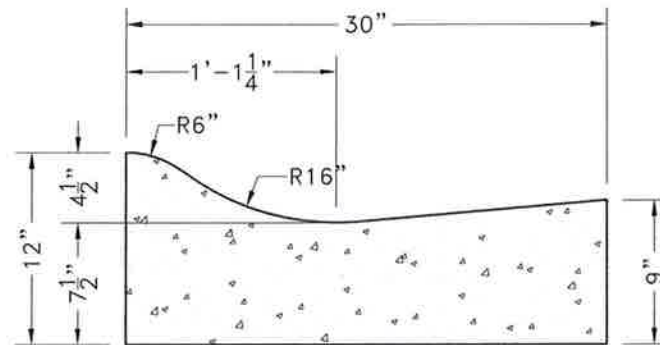
19. Lawn Restoration

Lawn restoration, if required for concrete curb and gutter or concrete sidewalk removal and replacement, shall consist of screened topsoil, WisDOT fertilizer Type B, WisDOT seed mix No. 40 and mulch consisting of straw or hay.

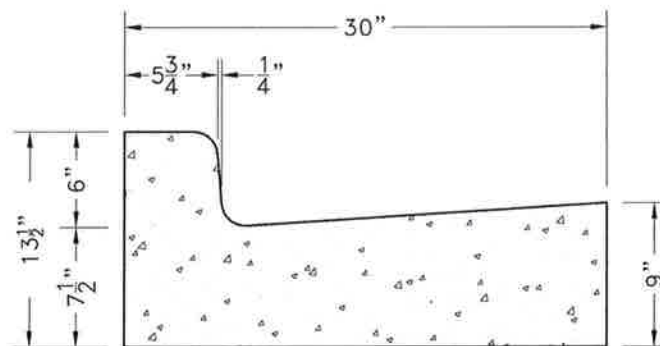
Topsoil shall be loam, sandy loam, silt loam, silty clay loam, or clay loam humus bearing soils adapted to sustain plant life with a minimum organic content of 5% and a pH between 6.0 and 7.0. Topsoil shall be pulverized and screened prior to placement and contain no clods larger than one inch in diameter and be free of lumps, stones, sticks or any other foreign material.

Village of Jackson

Standard Detail Drawings



MOUNTABLE



VERTICAL FACE



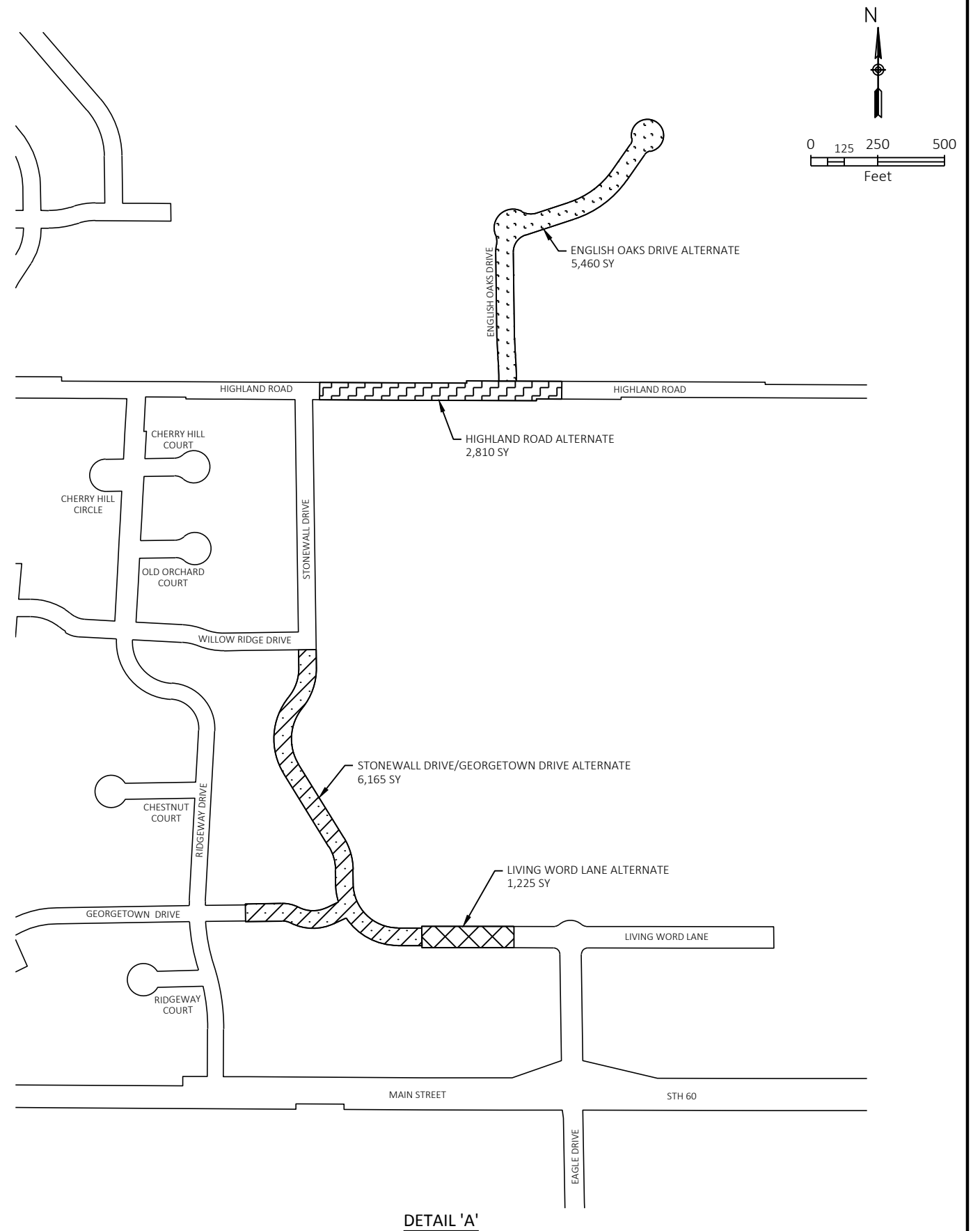
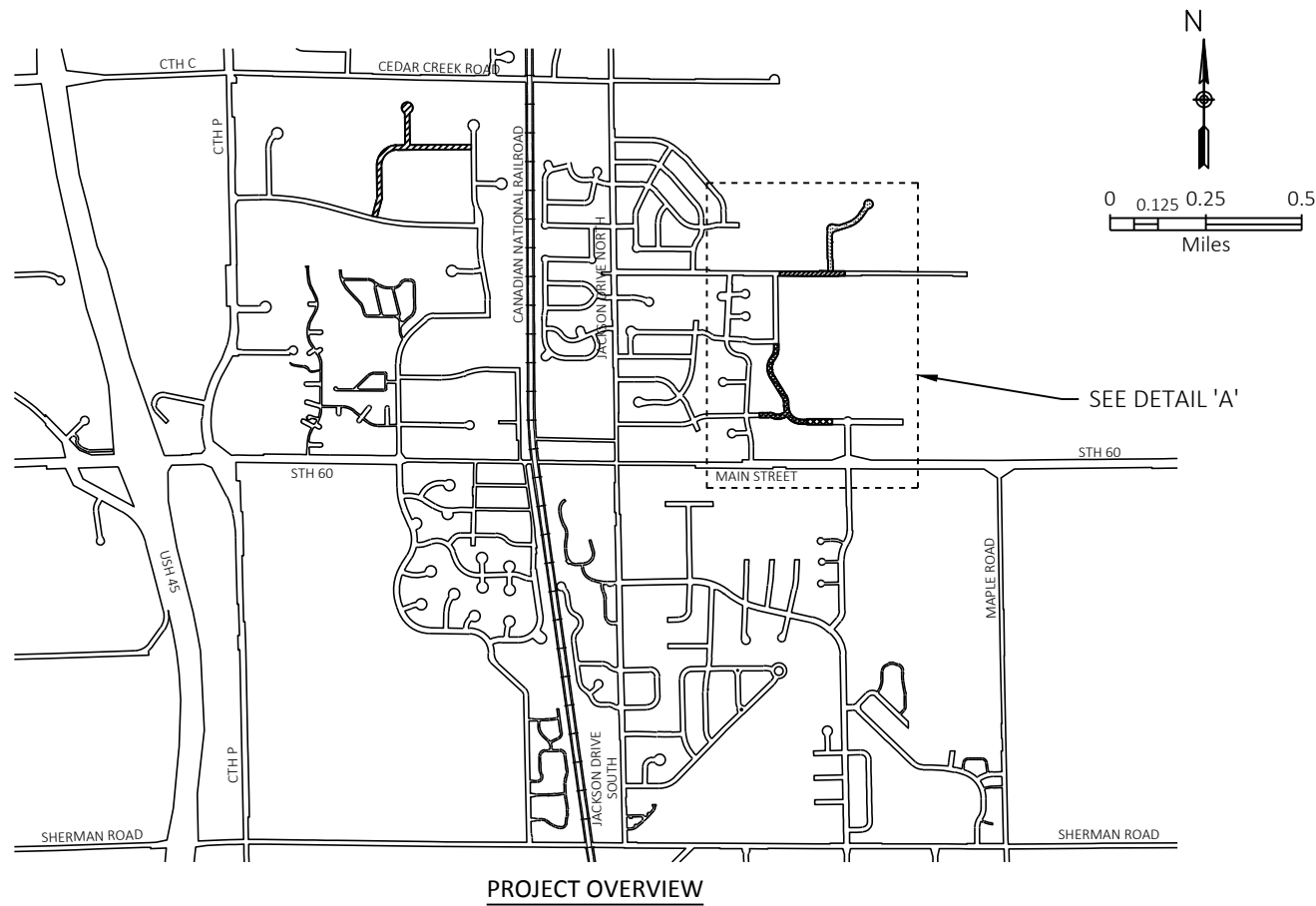
STANDARD DETAIL E-5
TYPICAL CURB SECTION

REVISED: 2-20-04

SCALE: 1" = 1'

Village of Jackson

Project Overview



Revisions:	Job No: 180322	Designed: JAC Date: 03/08/2018	 GREMMER & ASSOCIATES, INC. 95 South Pioneer Road, Suite 300 Fond du Lac, WI 54806 (920) 924-5720 Fax: (920) 924-5725	Final Paving - Miscellaneous Streets, 2018 Jackson, WI Living Word Lane, Stonewall Drive, Georgetown Drive, Highland Road, & English Oaks Drive	PROJECT OVERVIEW	SHEET 1 1
	Date: 03/08/2018	Drawn: AJS Date: 03/08/2018				
		Checked: TLL Date: 03/08/2018				

Village of Jackson
2018 Utility Improvements
CTH P, Stonehedge Drive,
Sherman Road, & Highland Road
Project: 180323

INDEX OF SHEETS

- | | |
|------|-------------------------------------|
| 1 | TITLE SHEET |
| 2 | GENERAL NOTES &
TYPICAL SECTIONS |
| 3 | CONSTRUCTION DETAILS |
| 4-12 | UTILITY PLANS |

ORIGINAL PLANS PREPARED BY

GREMMER
& ASSOCIATES, INC.
CONSULTING ENGINEERS
Stevens Point • Fond du Lac
93 South Pioneer Road, Suite 300 • Fond du Lac, WI 54935
(920) 924-5720 • fax (920) 924-5725

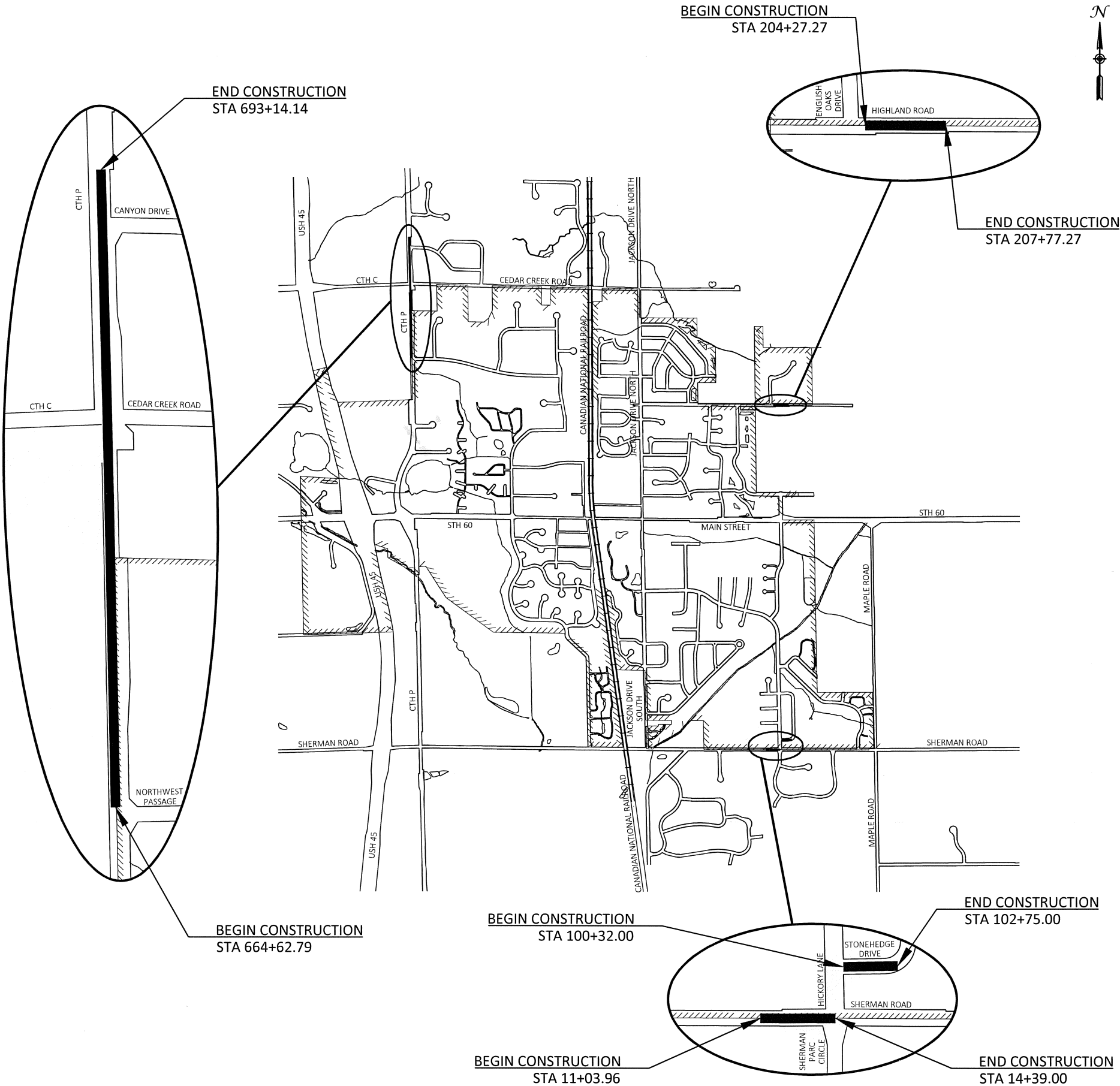


3/8/18
(Date) *Jeffrey A. Chvosta*
JEFFREY A. CHVOSTA, PE



Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037
(262) 677-9001
e-mail: dirpubwks@villageofjackson.com
Director of Public Works
Brian Kober, P.E.

DATE: 03/08/2018 SHEET 1 OF 12



GENERAL NOTES

DEGREE OF CURVE IS BASED ON ARC DEFINITION.

THE LOCATIONS OF EXISTING AND PROPOSED UTILITY INSTALLATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE. THERE MAY BE OTHER UTILITY INSTALLATIONS WITHIN THE PROJECT AREA THAT ARE NOT SHOWN.

THE CONTRACTOR SHALL NOTIFY DIGGERS HOTLINE AND AFFECTED UTILITIES PRIOR TO THE START OF WORK. ANY UTILITY WHICH IS NOT A MEMBER OF THE DIGGERS HOTLINE MUST BE CONTACTED SEPARATELY.

A VERTICAL SAWCUT SHALL BE MADE THROUGH EXISTING SIDEWALKS AND PAVEMENTS AT THE REMOVAL LIMITS.

SAWCUT LOCATIONS SHOWN ON THE PLANS ARE SUBJECT TO ADJUSTMENT BY THE ENGINEER IN THE FIELD.

WHEN THE QUANTITY OF THE ITEMS OF BASE AGGREGATE DENSE OR ASPHALTIC SURFACE IS MEASURED FOR PAYMENT BY THE TON, THE DEPTH OR THICKNESS OF THE MATERIAL SHOWN ON THE PLAN IS APPROXIMATE, AND THE ACTUAL THICKNESS WILL DEPEND ON THE DISTRIBUTION OF THE MATERIAL AS DIRECTED BY THE ENGINEER.

EXISTING TREES NOT MARKED FOR REMOVAL SHALL BE PRESERVED AND PROTECTED FROM CONSTRUCTION DAMAGE. AVOID DAMAGE TO ROOTS AND OVERHEAD BRANCHES.

TOPSOIL, FERTILIZER, SEED AND MULCH AS SHOWN IN PLANS OR AS DIRECTED BY THE ENGINEER SHALL BE PLACED ON ALL DISTURBED AREAS, EXCLUSIVE OF THE AREA OCCUPIED BY THE NEW PAVEMENTS, SIDEWALKS, AND RELATED STRUCTURES.

ANY EXISTING SIGN IMPACTED DUE TO CONSTRUCTION ACTIVITIES SHALL BE REMOVED AND STOCKPILED BY THE CONTRACTOR INCIDENTAL TO OTHER ITEMS.

INLET PROTECTION SHALL BE USED ON THE FIRST SET OF EXISTING INLETS DOWNSTREAM OF THE PROJECT.

ALL "+" STATIONS REFERENCED ON PLANS ARE REFERENCE LINE STATION VALUES.

STORM SEWER LATERALS SHALL BE 4" PVC SDR-35 AND SHALL BE CONSTRUCTED TO THE SUMP PUMP DISCHARGE LOCATION AT THE HOUSE. CONTRACTOR TO VERIFY LATERAL LOCATION WITH THE PROPERTY OWNER AND VILLAGE PRIOR TO CONSTRUCTION.

ABBREVIATIONS

AEW	APRON ENDWALL	PC	POINT OF CURVE
AGG	AGGREGATE	PCC	POINT OF COMPOUND CURVE
AH	AHEAD	PE	PRIVATE ENTRANCE
ASP	ASPHALT	PI	POINT OF INTERSECTION
BK	BACK	PLE	PERMANENT LIMITED EASEMENT
BAD	BASE AGGREGATE DENSE	PT	POINT OF TANGENT
BM	BENCH MARK	R	RADIUS OF CURVE
CC	CENTER OF CURVATURE	R/L	REFERENCE LINE
CE	COMMERCIAL ENTRANCE	R/W	RIGHT OF WAY
C&G	CURB AND GUTTER	RC	REVERSE CROWN
C/L	CENTER OR CONSTRUCTION LINE	RCAEW	APRON ENDWALL FOR CULVERT PIPE REINFORCED CONCRETE
CONC	CONCRETE	RCP	REINFORCED CONCRETE PIPE
CP	CULVERT PIPE	REQ'D	REQUIRED
CPCM	CULVERT PIPE CORRUGATED METAL	RHF	RIGHT HAND FORWARD
CPCS	CULVERT PIPE CORRUGATED STEEL	RO	RUN OFF LENGTH
CPRC	CULVERT PIPE REINFORCED CONCRETE	RT	RIGHT
CS	CURVE SPIRAL, THE POINT OF CHANGE IN ALIGNMENT FROM CURVE TO SPIRAL	SALV	SALVAGED
	CONCRETE SURFACE DRAIN	SB	SOUTHBOUND
CSD	CUBIC YARD	SC	SPIRAL CURVE, THE POINT OF CHANGE IN ALIGNMENT FROM SPIRAL TO CURVE
CY	DEGREE OF CURVE	SDD	STANDARD DETAIL DRAWING
D	DELTA	SE	SUPER ELEVATION
Δ	DISCHARGE	SEG	SEGMENT
DISCH	EXTERNAL DISTANCE FROM MIDPOINT OF CIRCULAR CURVE FROM ANGLE INTERSECTION	SF	SQUARE FOOT
E	EASTBOUND	SS	STORM SEWER
EB	ELEVATION	ST	SPIRAL TANGENT, THE POINT OF CHANGE IN ALIGNMENT FROM SPIRAL TO TANGENT
ELEV	FIELD ENTRANCE		STATION
FE	HOT MIX ASPHALT	STA	SQUARE YARD
HMA	HIGH POINT	SY	TANGENT LENGTH
HP	HEIGHT	T	TEMPORARY LIMITED EASEMENT
HT	INVERT	TLE	TANGENT SPIRAL, THE POINT OF CHANGE IN ALIGNMENT FROM TANGENT TO SPIRAL
INV	LENGTH OF CURVE	TS	TYPICAL
L	LEFT HAND FORWARD	TYP	VELOCITY OR DESIGN SPEED
LHF	LOW POINT	V	VERTICAL CURVE
LP	LENGTH OF SPIRAL	VC	VERTICAL CURVE LENGTH
LS	LEFT	VCL	POINT OF VERTICAL CURVE
LT	MAXIMUM	VPC	POINT OF VERTICAL INTERSECTION
MAX	MINIMUM	VPI	POINT OF VERTICAL REVERSE CURVE
MIN	MATCHLINE	VPRC	POINT OF VERTICAL TANGENT
M/L	NORTHBOUND	VPT	WESTBOUND
NB	NORMAL CROWN	WB	WISCONSIN CENTRAL LTD.
NC	NORMAL	WCL	
NOM	PAVEMENT		
NORM			
PAVT			

UTILITIES

COMMUNICATIONS

* CHARTER COMMUNICATIONS
1515 WEST WASHINGTON STREET
WEST BEND, WI 53095
ATTN: TOM HARYCKI
PHONE: (262) 306-8756 EXT. 20702
MOBILE: (920) 375-6194
EMAIL: Tom.Harycki@chartercom.com

ELECTRIC

* WE ENERGIES - ELECTRIC
500 SOUTH 116th STREET
WEST ALLIS, WI 53214
ATTN: CODY SCHUSTER
PHONE: (414) 944-5663
MOBILE: (414) 550-7182
EMAIL: Cody.Schuster@we-energies.com

COMMUNICATIONS

* AT&T - WISCONSIN
2005 PEWAUKEE ROAD
WAUKESHA, WI 53188
ATTN: JEFF OLDENBURG
PHONE: (262) 896-7522
MOBILE: (414) 412-7047
EMAIL: j02376@att.com

GAS

* WE ENERGIES - GAS
500 SOUTH 116th STREET
WEST ALLIS, WI 53214
ATTN: PATRICK FRITZ
PHONE: (414) 944-5558
MOBILE: (414) 810-9715
EMAIL: Patrick.Fritz@we-energies.com

SANITARY SEWER & WATER MAIN

* VILLAGE OF JACKSON
N168 W20733 MAIN STREET
JACKSON, WI 53037
ATTN: BRIAN KOBER
PHONE: (262) 677-9001
EMAIL: dirpubwks@villageofjackson.com

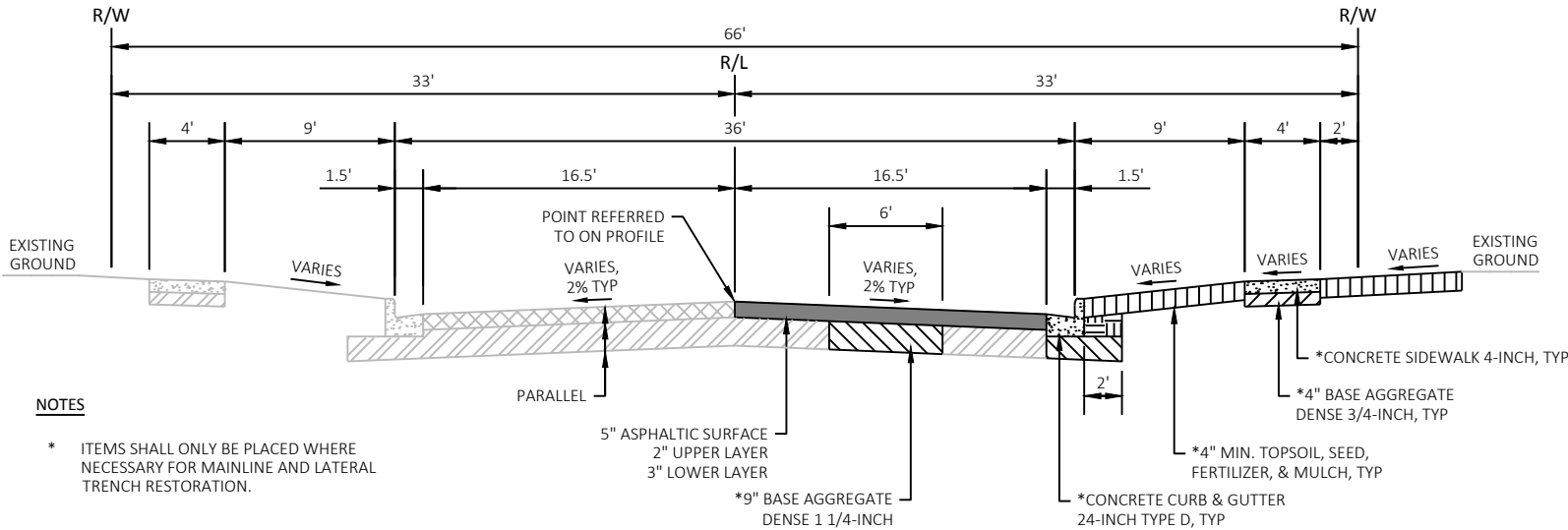
* DENOTES MEMBER OF DIGGERS HOTLINE

DESIGN CONTACT

GREMMER & ASSOCIATES, INC.
93 S. PIONEER ROAD, SUITE 300
FOND DU LAC, WI 54935
ATTN: JEFFREY CHVOSTA, PE
PHONE: (920) 924-5720
EMAIL: j.chvosta@gremmerassociates.com

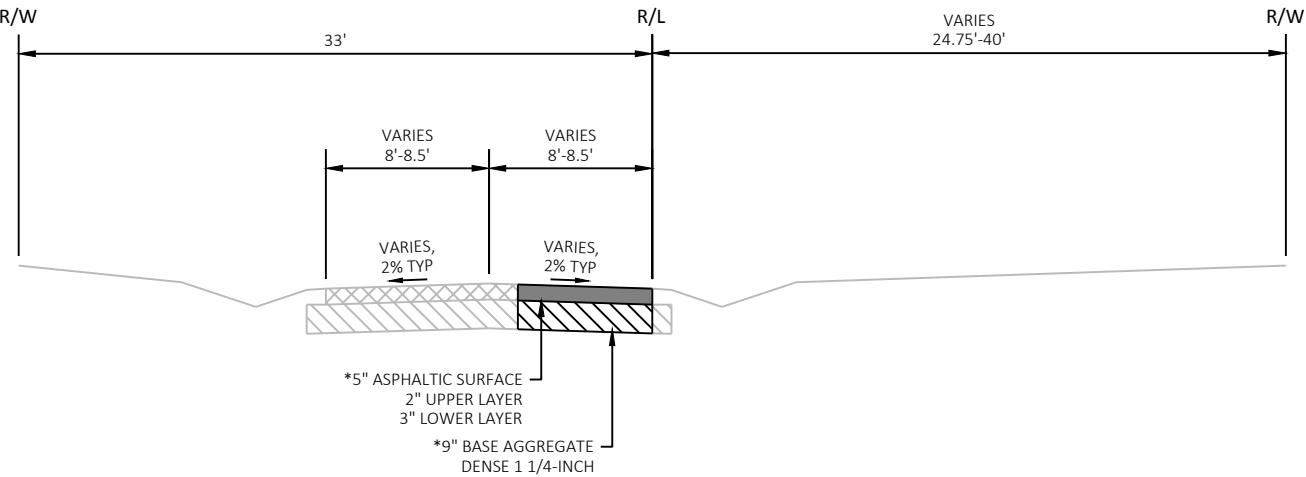
VILLAGE OF JACKSON CONTACT

N168 W20733 MAIN STREET
JACKSON, WI 53037
ATTN: BRIAN KOBER
PHONE: (262) 677-9001
EMAIL: dirpubwks@villageofjackson.com



NOTES

- * ITEMS SHALL ONLY BE PLACED WHERE NECESSARY FOR MAINLINE AND LATERAL TRENCH RESTORATION.



TYPICAL FINISHED SECTION

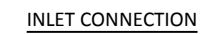
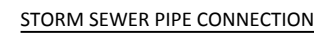
STONEHEDGE DRIVE
STA 100+32 - STA 102+75

TYPICAL FINISHED SECTION

HIGHLAND ROAD
STA 204+27.27 - STA 207+77.27

Revisions:	Job No: 180323	Designed: JAC Date: 03/08/2018	 GREMMER & ASSOCIATES, INC. 93 South Pioneer Road, Suite 300 Fond du Lac, WI 54935 (920) 924-5720 Fax: (920) 924-5725	Village of Jackson 2018 Utility Improvements CTH P, Stonehedge Drive, Sherman Road, & Highland Road	GENERAL NOTES & TYPICAL SECTIONS	SHEET 2 12
	Drawn: AJ5 Date: 03/08/2018	Checked: TLL Date: 03/08/2018				
	Date: 03/08/2018					

MINIMUM 3 FEET OF COVER OVER STORM
SEWER LATERAL.



CORRECT WAY TO SAW CUT



SAWCUT DETAIL



1. REMOVAL OF EXISTING PAVEMENT STRUCTURE IS INCIDENTAL TO GRADING OPERATIONS.
2. CONTRACTOR SHALL BACKFILL UTILITY TRENCH TO TOP OF EXISTING PAVEMENT. INCIDENTAL TO UNDERGROUND UTILITY ITEMS.
3. REMOVAL OF UTILITY TRENCH BACKFILL TO ROADWAY SUBGRADE IS INCIDENTAL.

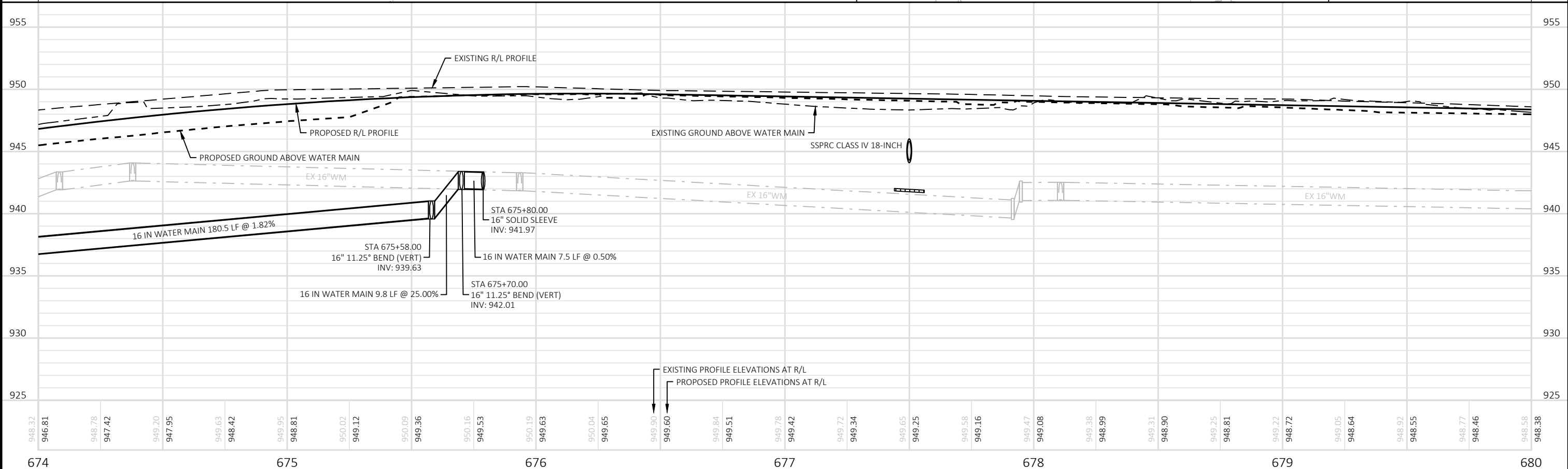
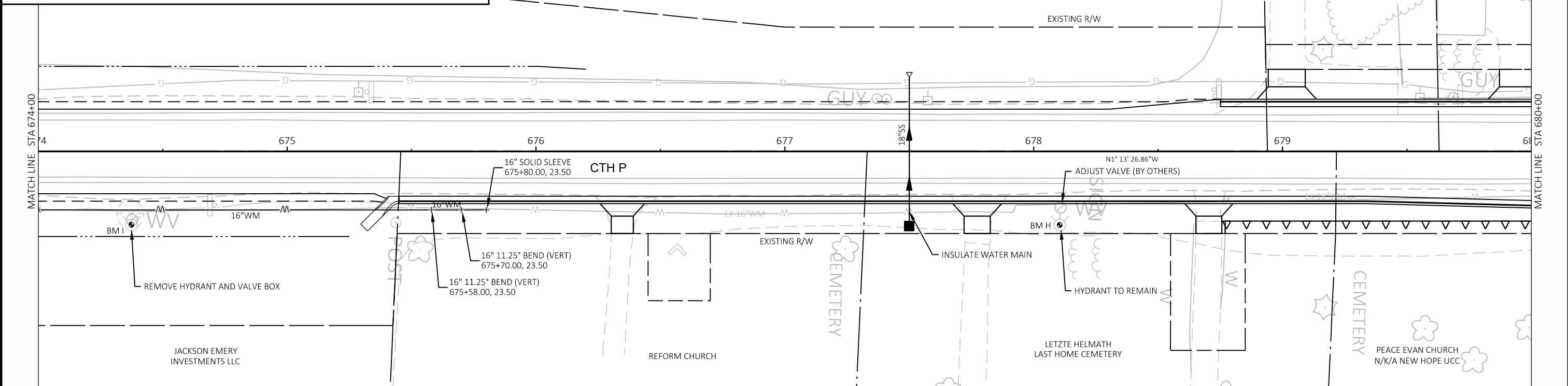
PAVEMENT REPAIR TRENCH

IN AREAS WHERE THE ROADWAY IS NOT RECONSTRUCTED

Revisions:	Job No: 180323	Designed: JAC Date: 03/08/2018	 GREMMER & ASSOCIATES, INC. CONSULTING ENGINEERS Stone Point • Fond du Lac	95 South Pioneer Road, Suite 300 Fond du Lac, WI 54605 (920) 924-5720 Fax (920) 924-5725	Village of Jackson 2018 Utility Improvements CTH P, Stonehedge Drive, Sherman Road, & Highland Road	CONSTRUCTION DETAILS	SHEET
		Drawn: AJS Date: 03/08/2018					3
	Date: 03/08/2018	Checked: TLL Date: 03/08/2018					12

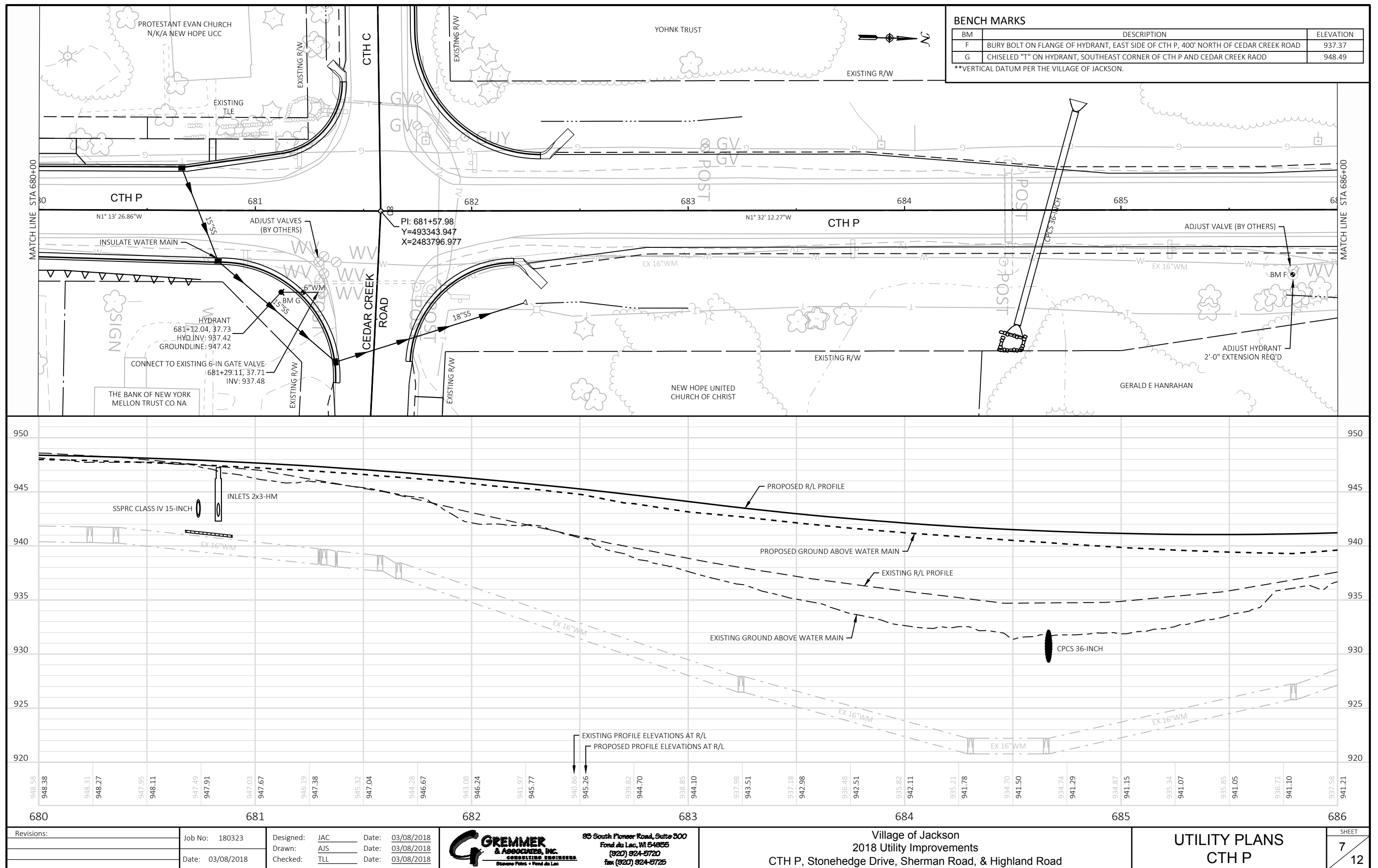
BM	DESCRIPTION	ELEVATION
H	BURY BOLT ON FLANGE OF HYDRANT, EAST SIDE OF CTH P, 300' SOUTH OF CEDAR CREEK ROAD	951.01
I	BURY BOLT ON FLANGE OF HYDRANT, EAST SIDE OF CTH P, 100' SOUTH OF CEMETERY	951.10

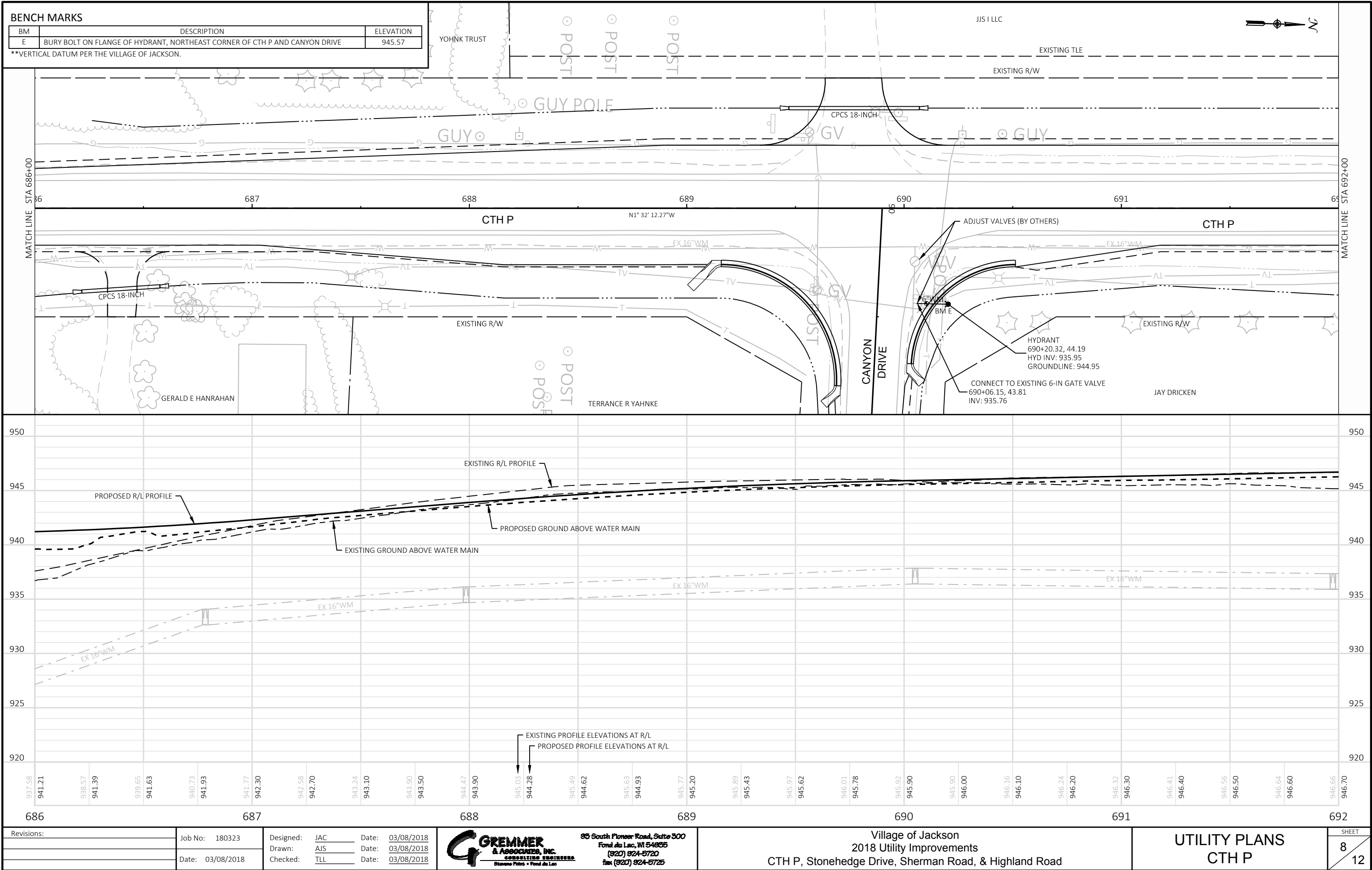
**VERTICAL DATUM PER THE VILLAGE OF JACKSON.

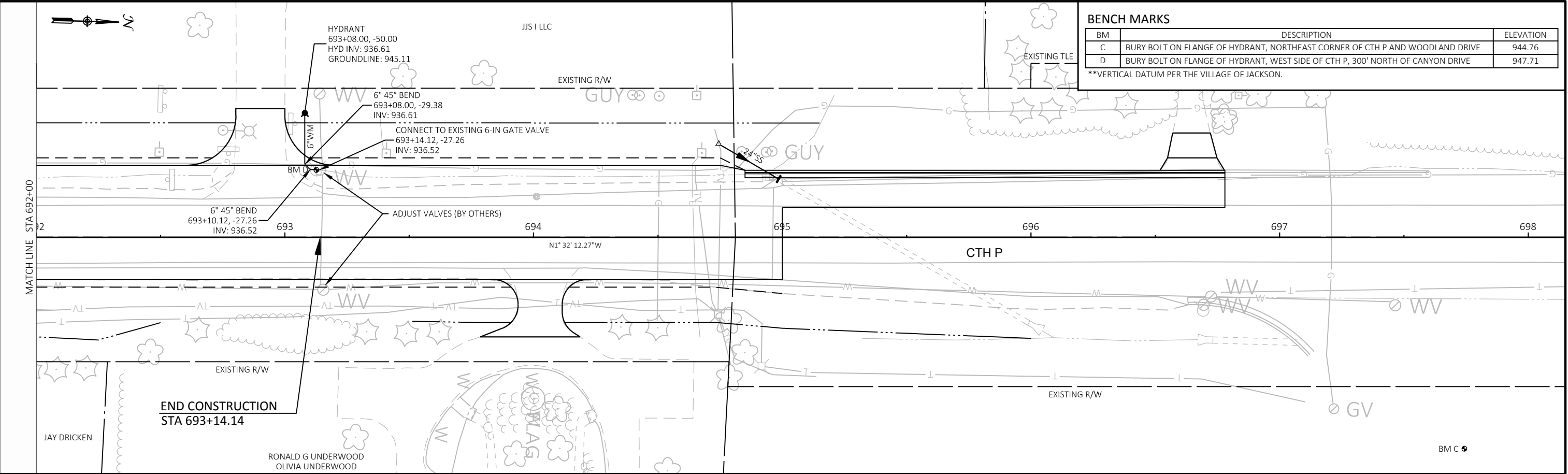


Revisions:	Job No: 180323	Designed: JAC	Date: 03/08/2018	 95 South Pioneer Road, Suite 300 Fond du Lac, WI 54605 (920) 924-5720 Fax (920) 924-5725	Village of Jackson 2018 Utility Improvements CTH P, Stonehedge Drive, Sherman Road, & Highland Road	UTILITY PLANS CTH P	SHEET
		Drawn: AJS	Date: 03/08/2018				6
	Date: 03/08/2018	Checked: TLL	Date: 03/08/2018				12

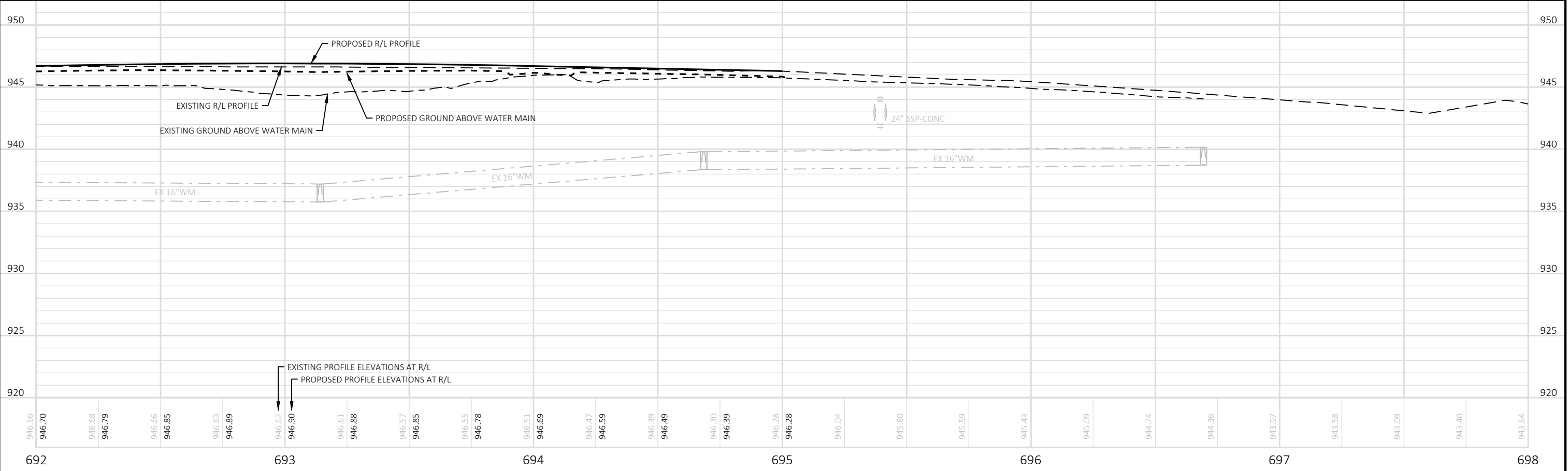
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LAYOUT NAME - Sheet-03







BENCH MARKS		
BM	DESCRIPTION	ELEVATION
C	BURY BOLT ON FLANGE OF HYDRANT, NORTHEAST CORNER OF CTH P AND WOODLAND DRIVE	944.76
D	BURY BOLT ON FLANGE OF HYDRANT, WEST SIDE OF CTH P, 300' NORTH OF CANYON DRIVE	947.71
**VERTICAL DATUM PER THE VILLAGE OF JACKSON.		



Revisions:

Job No: 180323

Date: 03/08/2018

Designed: JAC

Drawn: AJS

Checked: TLL

Date: 03/08/2018

Date: 03/08/2018

Date: 03/08/2018

95 South Pioneer Road, Suite 300
Fond du Lac, WI 54806
(920) 924-5720
Fax: (920) 924-5725

Village of Jackson
2018 Utility Improvements
CTH P, Stonehedge Drive, Sherman Road, & Highland Road

UTILITY PLANS
CTH P

SHEET
9
12

BENCH MARKS

BM	DESCRIPTION	ELEVATION
O	BURY BOLT ON FLANGE OF HYDRANT, NORTHEAST CORNER OF HICKORY LANE AND STONEHEDGE DRIVE	886.89

**VERTICAL DATUM PER THE VILLAGE OF JACKSON.

LEGEND

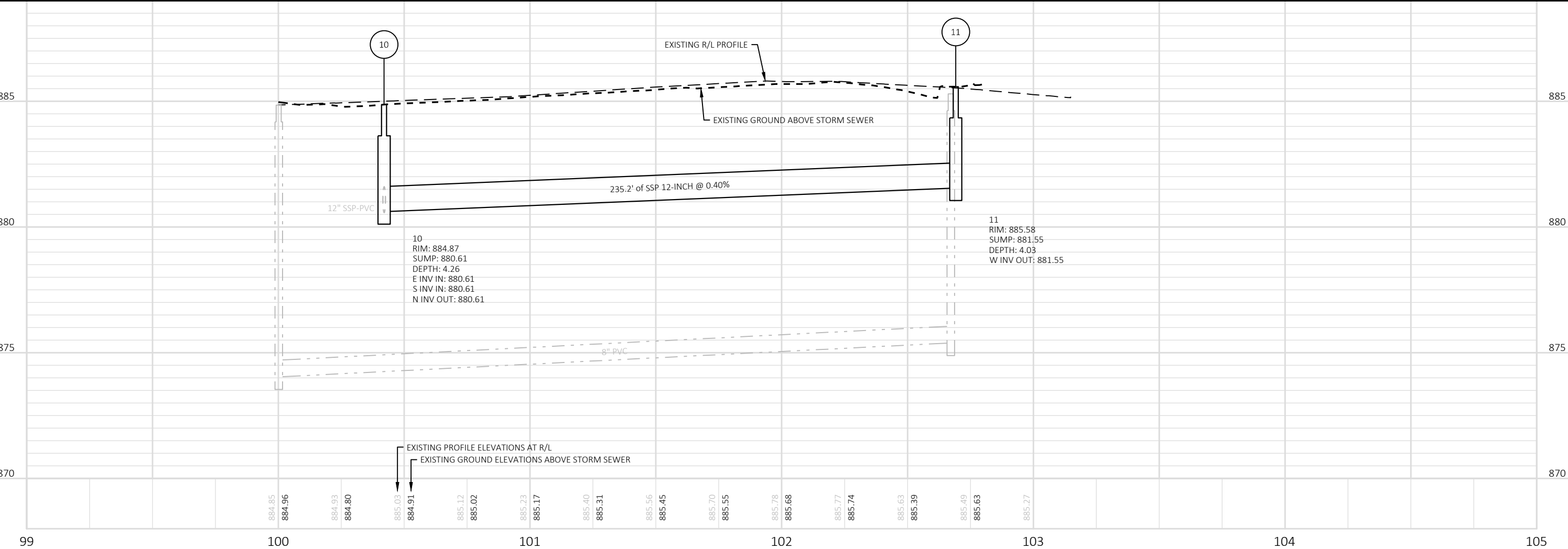
4 STORM SEWER LATERAL 4-INCH AND CONNECTION TO EXISTING



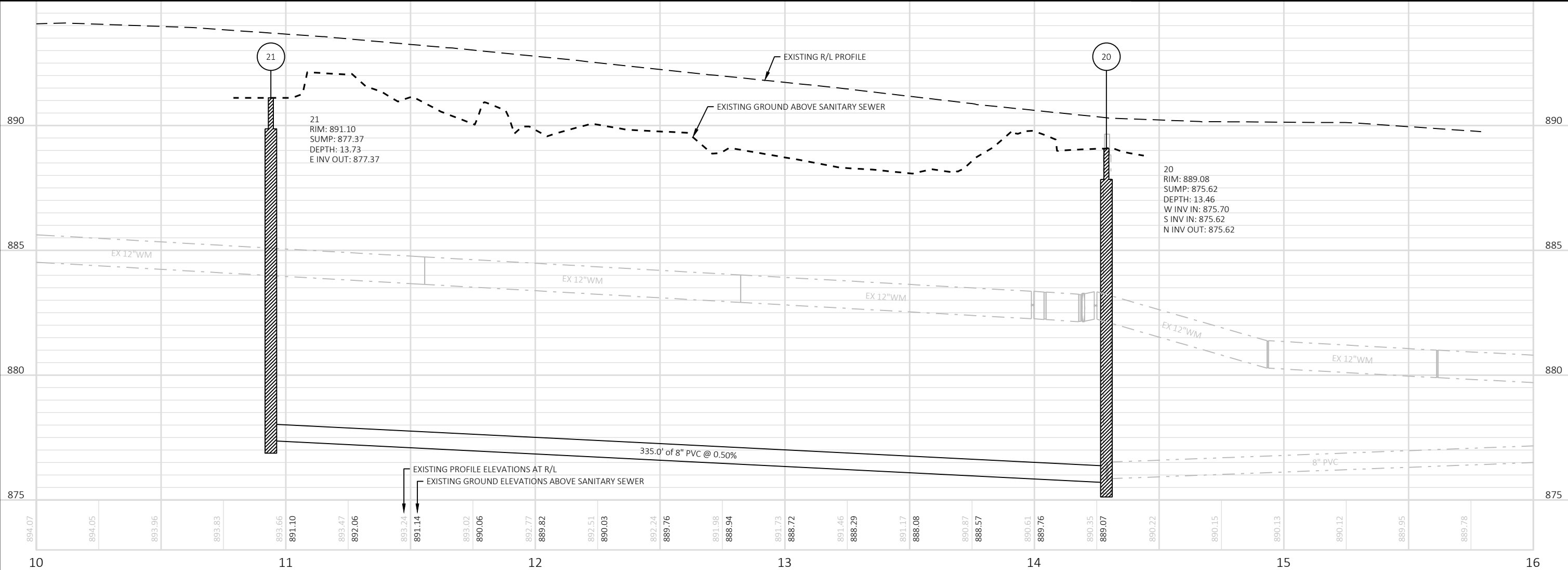
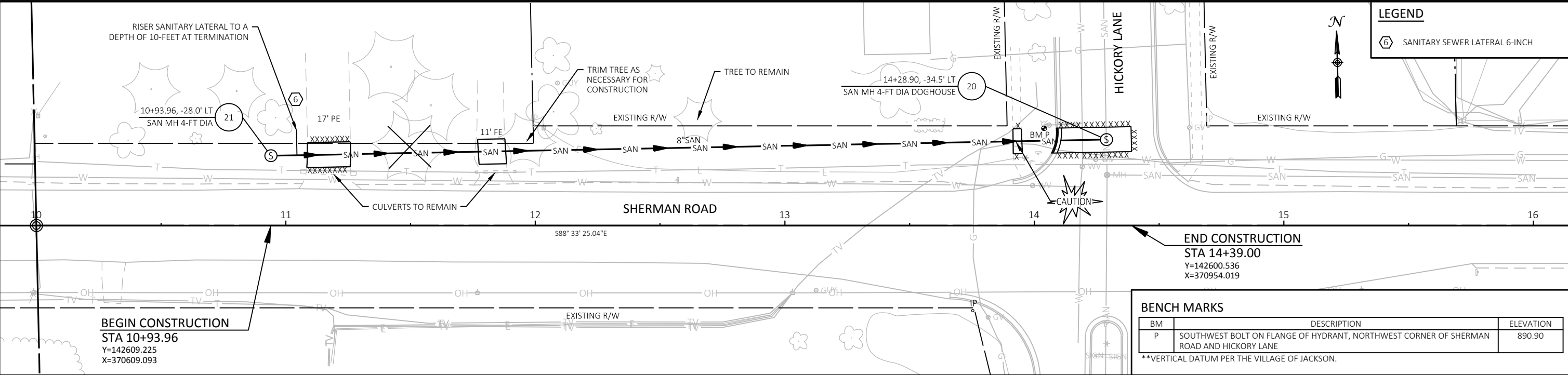
PI STA = 103+23.01
Y = 142822.343
X = 371268.652
DELTA = 89°59'10"
D = 56°10'20"
T = 101.98'
L = 160.20'
R = 102.00'
PC STA = 102+21.03
PT STA = 103+81.23

BEGIN CONSTRUCTION
STA 100+32.00
Y=142823.060
X=370977.645

END CONSTRUCTION
STA 102+75.00
Y=142836.414
X=371218.195



Revisions:	Job No: 180323	Designed: JAC Date: 03/08/2018	 95 South Pioneer Road, Suite 300 Fond du Lac, WI 54806 (920) 924-5720 Fax: (920) 924-5725	Village of Jackson 2018 Utility Improvements CTH P, Stonehedge Drive, Sherman Road, & Highland Road	UTILITY PLANS STONEHEDGE DRIVE	SHEET
	Drawn: AJS Date: 03/08/2018	10				
	Checked: TLL Date: 03/08/2018	12				



Revisions:	Job No: 180323	Designed: JAC Date: 03/08/2018	GREMMER & ASSOCIATES, INC. 95 South Pioneer Road, Suite 300 Fond du Lac, WI 54806 (920) 924-5720 Fax: (920) 924-5725	Village of Jackson 2018 Utility Improvements CTH P, Stonehedge Drive, Sherman Road, & Highland Road	UTILITY PLANS SHERMAN ROAD	SHEET 11 / 12
	Drawn: AJS Date: 03/08/2018					
	Checked: TLL Date: 03/08/2018					
Date: 03/08/2018						



PROJECT MANUAL FOR
**2018 UTILITY IMPROVEMENTS
MISCELLANEOUS STREET**

PROJECT NO. 180323



PREPARED BY:



93 S. PIONEER ROAD
SUITE 300
FOND DU LAC, WISCONSIN 54935
(920) 924-5720
(920) 924-5725 FAX

DOCUMENT 00010

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END OF DOCUMENT

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ADVERTISEMENT FOR BIDS

VILLAGE OF JACKSON
2018 UTILITY IMPROVEMENTS
MISCELLANEOUS STREETS

OWNER

Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037
(262) 677-9001
(262) 677-9710 Fax

ENGINEER

Gremmer & Associates, Inc.
93 S. Pioneer Road, Suite 300
Fond du Lac, WI 54935
(920) 924-5720
(920) 924-5725 Fax

Project No. 180323

Sealed bids will be received by the Village of Jackson, Village Hall, N168 W20733 Main Street, P.O. Box 637 Jackson, Wisconsin 53037 for 2018 Utility Improvements, Miscellaneous Street until 2:30 p.m., March 22, 2018. Bids received after this time will not be accepted.

Bids will be opened and publicly read aloud at the Village Hall, immediately after specified closing time. All interested parties are invited to attend.

The Work generally consists of the following approximate quantities:

330	TON	Base Aggregate Dense
240	TON	Asphaltic Surface
1,350	SY	Lawn Restoration
440	LF	Storm Sewer (4" to 12")
335	LF	Sanitary Sewer (6" to 8")
800	LF	Water Main (6" to 16)

Bids will be received on a unit price basis.

Each bid must be accompanied by a bid bond, a certified check, or a bank cashier's check as bid security, in the sum of five percent (5%) of the bid, payable to the Village of Jackson as a guarantee that if the bid is accepted, a Contract will be entered into and its performance properly secured within fifteen (15) days of the award of Contract. Should any bid be rejected, such bid security will be forthwith returned to the bidder, and should any bid be accepted, such bid bond or check will be returned upon the timely and proper execution and securing of the Contract. In case the successful bidder shall fail to execute the Contract and Performance Bond, the amount of the bid bond or check shall be forfeited to the Village of Jackson as liquidated damages.

Copies of the Bidding Documents may be obtained **ONLY** from www.gremmerassociates.com or www.questcdn.com. No paper plan sets will be provided. Access the Gremmer & Associates, Inc. or QuestCDN web site to view and download bid information and documents on or after **March 8, 2018**, for a non-refundable fee of \$10.00. Input QuestCDN eBidDoc No. **5609954** on the Gremmer & Associates Contract Bids page or on the QuestCDN Project Search page. No password is required. Contact QuestCDN.com at 952-233-1632 or info@questcdn.com for assistance in downloading and working with the digital documents.

Copies of the Bidding Documents are available for viewing at the following offices:

1. Village of Jackson, Village Hall, N168 W20733 Main Street, Jackson, WI, 53037.
2. Gremmer & Associates, Inc., 93 S. Pioneer Road, Suite 300, Fond du Lac, WI 54935.

If the Contractor is not on the Wisconsin Department of Transportation Prequalified Contractors List, a Statement of Qualification of Bidders shall be submitted to the Engineer a minimum of 3 business days prior to the bid opening.

The Village of Jackson reserves the right to reject any or all bids, waive any informality in bidding, or accept the bid(s) which serves the best interest of the Village.

Questions regarding this project should be directed to Mr. Jeff Chvosta, P.E. of Gremmer & Associates, Inc. at (920) 924-5720, (920) 924-5725 fax.

For the Village of Jackson:

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

Published: March 8, 2018
 March 15, 2018

END OF DOCUMENT

DOCUMENT 00100

INSTRUCTION TO BIDDERS

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ARTICLE 1 – DEFINED TERMS

- 1.01 Terms used in these Instructions to Bidders will have the meanings indicated in the General Conditions and Supplementary Conditions. Additional terms used in these Instructions to Bidders have the meanings below, which are applicable to both the singular and plural thereof:
- A. *Bidder* - The individual or entity who submits a Bid directly to OWNER.
 - B. *Issuing Office* - The office from which the Bidding Documents are to be issued and where the bidding procedures are to be administered.
 - C. *Successful Bidder* - The lowest responsible Bidder submitting a responsive Bid to whom OWNER (on the basis of OWNER's evaluation as hereinafter provided) makes an award.

ARTICLE 2 – COPIES OF BIDDING DOCUMENTS

- 2.01 Complete sets of the Bidding Documents are available as stated in the Advertisement or Invitation to Bid.
- 2.02 Complete sets of Bidding Documents must be used in preparing Bids; neither OWNER nor ENGINEER assumes any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.03 OWNER AND ENGINEER in making copies of Bidding Documents available on the above terms do so only for the purpose of obtaining Bids for the Work and do not confer license or grant for any other use.

ARTICLE 3 – DISQUALIFICATION OF BIDDERS

- 3.01 Any of the following reasons may be considered as sufficient cause for the disqualification of a Bidder and the rejection of his Proposal or Proposals:
- A. More than one Proposal for the same work from an individual, partnership or corporation under the same or different names.
 - B. Evidence of collusion among Bidders.
 - C. Lack of Responsibility as shown by performance on past work.
 - D. Uncompleted work, which in the judgment of the OWNER, might hinder or prevent the prompt completion of this project.

- E. Conviction of a violation of State or Federal law or regulation relating to or reflecting on the competency of the Bidder for performing the work under this Contract.
- F. Unbalanced bids or prices given in the Proposal.
- G. Gross errors in computation, which cannot be resolved by mathematical correction without resorting to information not contained in the Proposal.

ARTICLE 4 – EXAMINATION OF BIDDING DOCUMENTS, OTHER RELATED DATA, AND SITE

4.01 *Subsurface and Physical Conditions*

- A. N/A.

4.02 *Underground Facilities*

- A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to OWNER and ENGINEER by owners of such Underground Facilities, including OWNER, or others.

4.03 On request, OWNER will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies.

4.04 Reference is made to Section 01011, Summary of Project for the identification of the general nature of other work that is to be performed at the Site by OWNER or others (such as utilities and other prime contractors) that relates to the Work for which a Bid is to be submitted. On request, OWNER will provide to each Bidder for examination access to or copies of Contract Documents (other than portions thereof related to price) for such other work.

4.05 It is the responsibility of each Bidder before submitting a Bid to:

- A. Examine and carefully study the Bidding Documents, including any Addenda and the other related data identified in the Bidding Documents;
- B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;

- C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, or performance of the Work;
 - D. Carefully study all reports of explorations and test of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which have been identified in the Supplementary Conditions as provided in Paragraph 4.02 of the General Conditions;
 - E. Obtain and carefully study (or assume responsibility for doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
 - F. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
 - G. Become aware of the general nature of the work to be performed by OWNER and others at the Site that relates to the Work as indicated in the Bidding Documents;
 - H. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
 - I. Promptly give ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder discovers in the Bidding Documents and confirm that the written resolution thereof by ENGINEER is acceptable to Bidder; and
 - J. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- 4.06 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 1.10, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by ENGINEER are acceptable to Bidder, and that the

Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.

ARTICLE 5 – PRE-BID CONFERENCE

Not used.

ARTICLE 6 - SITE AND OTHER AREAS

- 6.01 The Site is identified in the Bidding Documents. All additional lands and access thereto required for temporary construction facilities, construction equipment, or storage of materials and equipment to be incorporated in the Work are to be obtained and paid for by CONTRACTOR. Easements for permanent structures or permanent changes in existing facilities are to be obtained and paid for by OWNER unless otherwise provided in the Bidding Documents.

ARTICLE 7 – INTERPRETATIONS AND ADDENDA

- 7.01 All questions about the meaning or intent of the Bidding Documents are to be submitted to ENGINEER in writing. Interpretations or clarifications considered necessary by ENGINEER in response to such questions will be issued by Addenda mailed or delivered to all parties recorded by ENGINEER as having received the Bidding Documents. Questions received less than seven days prior to the date for opening of Bids may not be answered. Only questions answered by Addenda will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 7.02 Addenda may be issued to clarify, correct, or change the Bidding Documents as deemed advisable by OWNER or ENGINEER.

ARTICLE 8 – BID SECURITY

- 8.01 A Bid must be accompanied by Bid security made payable to OWNER in an amount of 5% of Bidder's maximum Bid price and in the form of a certified check or bank cashier's check or a Bid Bond issued by a surety meeting the requirements of Paragraphs 5.01 and 5.02 of the General Conditions.
- 8.02 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract Documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within 15 days after the Notice of Award, OWNER may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom OWNER believes to have a reasonable chance of receiving the award may be retained by OWNER until the earlier of seven days after the Effective Date

of the Agreement or 61 days after the Bid opening, whereupon Bid security furnished by such Bidders will be returned.

- 8.03 Bid security of other Bidders whom OWNER believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

ARTICLE 9 – CONTRACT TIMES

- 9.01 The number of days within which, or the dates by which, the Work is to be (a) Substantially Completed and (b) also completed and ready for final payment are set forth in the Agreement.

ARTICLE 10 – LIQUIDATED DAMAGES

- 10.01 Provisions for liquidated damages, if any, are set forth in the Agreement.

ARTICLE 11 – SUBSTITUTE AND “OR EQUAL” ITEMS

- 11.01 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or "or-equal" items. Whenever it is specified or described in the Bidding Documents that a substitute or "or-equal" item of material or equipment may be furnished or used by CONTRACTOR if acceptable to ENGINEER, application for such acceptance will not be considered by ENGINEER until after the Effective Date of the Agreement. The procedure for submission of any such application by CONTRACTOR and consideration by ENGINEER is set forth in the General Conditions and may be supplemented in the Supplementary Conditions.

ARTICLE 12 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS

- 12.01 The Supplementary Conditions require the identity of Subcontractors, Suppliers, individuals, or entities to be submitted to OWNER in advance of a specified date prior to the Effective Date of the Agreement, the apparent Successful Bidder, and any other Bidder so requested, shall within five days after Bid opening, submit to OWNER a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification of each such Subcontractor, Supplier, individual, or entity if requested by OWNER. If OWNER or ENGINEER, after due investigation, has reasonable objection to any proposed Subcontractor, Supplier, individual, or entity, OWNER may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute without an increase in Bid.

- 12.02 If apparent Successful Bidder declines to make any such substitution, OWNER may award the Contract to the next lowest Bidder that proposes to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which OWNER or ENGINEER makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to OWNER and ENGINEER subject to revocation of such acceptance after the Effective Date of the Agreement as provided in Paragraph 6.06 of the General Conditions.
- 12.03 CONTRACTOR shall not be required to employ any Subcontractor or Supplier against whom CONTRACTOR has reasonable objection.

ARTICLE 13 – PREPARATION OF BID

- 13.01 The Bid form is included with the Bidding Documents.
- 13.02 All blanks on the Bid form shall be completed by printing in ink or by typewriter and the Bid signed. A Bid price shall be indicated for each Bid item listed therein, or the words "No Bid", "No Charge", or "Not Applicable" entered.
- 13.03 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporation shall be shown below the signature.
- 13.04 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.
- 13.05 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm must be shown below the signature.
- 13.06 A Bid by an individual shall show the Bidder's name and official address.
- 13.07 A Bid by a joint venture shall be executed by each joint venturer in the manner indicated on the Bid form. The official address of the joint venture must be shown below the signature.
- 13.08 All names shall be typed or printed in ink below the signatures.
- 13.09 The Bid shall contain an acknowledgment of receipt of all Addenda, the numbers of which shall be filled in on the Bid form.
- 13.10 The address and telephone number for communications regarding the Bid shall be shown.

- 13.11 The Bid shall contain evidence of Bidder's authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder's state contractor license number for the state of the Project, if any, shall also be shown on the Bid form.

ARTICLE 14 – BASIS OF BID; EVALUATION OF BIDS

14.02 Unit Price

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid schedule.
- B. The total of all estimated prices will be determined as the sum of the products of the estimated quantity of each item and the unit price Bid for the item. The final quantities and Contract Price will be determined in accordance with Paragraph 11.03 of the General Conditions.
- C. Discrepancies between the multiplication of units of work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

ARTICLE 15 – SUBMITTAL OF BID

- 15.01 Each prospective Bidder is furnished one copy of the Bidding Documents, and if required, the Bid Bond. A copy of the Bid form is to be completed and submitted with the Bid security and the following data:
- A. Bid Bond, Certified Check, or Bank Cashier's Check
 - B. Document 00490; Disclosure of Ownership
- 15.02 A Bid shall be submitted no later than the date and time prescribed and at the place indicated in the Advertisement for Bids and shall be enclosed in an opaque sealed envelope plainly marked with the Project title (and, if applicable, the designated portion of the Project for which the Bid is submitted), the name and address of Bidder, and shall be accompanied by the Bid security and other required documents. If a Bid is sent by mail or other delivery system, the sealed envelope containing the Bid shall be enclosed in a separate envelope plainly marked on the outside with the notation "BID ENCLOSED." A mailed Bid shall be addressed to Village of Jackson Department of Public Works, N168 W20733 Main Street, P.O. Box 637, Jackson, Wisconsin 53037.

ARTICLE 16 – MODIFICATION AND WITHDRAWAL OF BID

- 16.01 A Bid may be modified or withdrawn by an appropriate document duly executed in the manner that a Bid must be executed and delivered to the place where Bids are to be submitted prior to the date and time for the opening of Bids.
- 16.02 If within 24 hours after Bids are opened, any Bidder files a duly signed written notice with OWNER and promptly thereafter demonstrates to the reasonable satisfaction of OWNER that there was a material and substantial mistake in the preparation of its Bid, that Bidder may withdraw its Bid, and the Bid security will be returned. Thereafter, if the Work is rebid, that Bidder will be disqualified from further bidding on the work.

ARTICLE 17 – OPENING OF BIDS

- 17.01 Bids will be opened at the time and place indicated in the Advertisement or Invitation to Bid and read aloud publicly. An abstract of the amounts of the base Bids and major alternates, if any, will be made available to Bidders after the opening of Bids.

ARTICLE 18 – BIDS TO REMAIN SUBJECT TO ACCEPTANCE

- 18.01 All Bids will remain subject to acceptance for the period of time stated in the Bid form, but OWNER may, in its sole discretion, release any Bid and return the Bid security prior to the end of this Period.

ARTICLE 19 – AWARD OF CONTRACT

- 19.01 OWNER reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. OWNER further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to be non-responsible. OWNER may also reject the Bid of any Bidder if OWNER believes that it would not be in the best interest of the Project to make an award to that Bidder. OWNER also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- 19.02 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.
- 19.03 In evaluation Bids, OWNER will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.

- 19.04 In evaluation Bidders, OWNER will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Suppliers, and other individuals or entities proposed for those portions of the Work for which the identity of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.
- 19.05 OWNER may conduct such investigations as OWNER deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.
- 19.06 If the Contract is to be awarded, OWNER will award the Contract to the Bidder whose Bid is in the best interests of the Project.

ARTICLE 20 – CONTRACT SECURITY AND INSURANCE

- 20.01 Article 5 of the General Conditions, as may be modified by the Supplementary Conditions, sets forth OWNER's requirements as to performance and payment Bonds and insurance. When the Successful Bidder delivers the executed Agreement to OWNER, it must be accompanied by such Bonds.

ARTICLE 21 –SIGNING OF AGREEMENT

- 21.01 When OWNER gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within 15 days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to OWNER. Within ten days thereafter, OWNER shall deliver one fully signed counterpart to Successful Bidder with a complete set of the Drawings with appropriate identification.

END OF DOCUMENT

DOCUMENT 00300

BID FORM

OWNERS: Village of Jackson, Wisconsin

PROJECT: 2018 Utility Improvements
Miscellaneous Streets

NUMBER: 180323

THIS BID IS SUBMITTED TO: Village of Jackson
N168 W20733 Main Street
Jackson, WI 53037

- 1.01 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNERS in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.
- 2.01 Bidder accepts all of the terms and conditions of the Advertisement or Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of OWNERS.
- 3.01 In submitting this Bid, Bidder represents, as set forth in the Agreement, that:
- A. Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and the following Addenda, receipt of all which is hereby acknowledged:

Addendum No.

Addendum Date

- B. Bidder has visited the Site and become familiar with and is satisfied as to the general, local and Site conditions that may affect cost, progress, and performance of the work.
- C. Bidder is familiar with and is satisfied as to all federal, state and local Laws and Regulations that may affect cost, progress and performance of the Work.

- D. Bidder has carefully studied all: all drawings of physical conditions in or relation to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities), if any, which have been identified in the Supplementary Conditions as provided in paragraph 4.02 of the General Conditions.
 - E. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by Bidder, and safety precautions and programs incident thereto.
 - F. Bidder does not consider that any further examinations, investigations, exploration, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
 - G. Bidder is aware of the general nature of work to be performed by OWNERS and others at the Site that relates to the Work as indicated in the Bidding Documents.
 - H. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
 - I. Bidder has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the written resolution thereof by ENGINEER is acceptable to Bidder.
 - J. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.
- 4.01 Bidder further represents that this Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any agreement or rules of any group, association, organization or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNERS.
- 5.01 Bidder will complete the Work in accordance with the Contract Documents for the following unit prices:

The Village of Jackson may choose any of the alternates or combination of alternates.

CTH P Water Main					
Item	Description	Units	Quantity	Unit Price	Total
100.05	Lawn Restoration	SY	650		
100.06	Inlet Protection Type C	EACH	2		
100.07	Traffic Control	LS	1		
400.01	Removing Hydrants	EACH	4		
400.02	Removing Valves	EACH	1		
400.03	Hydrant Extension 0'-6"	EACH	1		
400.04	Hydrant Extension 1'-6"	EACH	1		
400.05	Hydrant Extension 2'-0"	EACH	1		
400.06	Connect to Existing Water Main	EACH	3		
400.07	Water Main PVC 6-Inch	LF	60		
400.09	Water Main Ductile Iron 16-Inch	LF	380		
400.13	Water Gate Valve 16-Inch	EACH	1		
400.15	Water 45-Degree Bend 6-Inch	EACH	2		
400.16	Water 11.25-Degree Bend 16-Inch	EACH	2		
400.18	Water Sleeve 16-Inch	EACH	2		
400.20	Water Hydrant	EACH	3		
400.21	Insulation Board 2-Inch	SF	64		
400.22	Water Main Temporary 6-Inch	LS	1		
CTH P Water Main Total					

Highland Road Water Main					
Item	Description	Units	Quantity	Unit Price	Total
100.03	Base Aggregate Dense	TON	195		
100.04	Asphaltic Surface	TON	100		
100.05	Lawn Restoration	SY	235		
100.06	Inlet Protection Type C	EACH	1		
100.07	Traffic Control	LS	1		
100.08	Sawing Asphalt & Concrete	LF	515		
300.01	Sanitary Sewer PVC 6-Inch	LF	30		
400.07	Water Main PVC 6-Inch	LF	20		
400.08	Water Main PVC 8-Inch	LF	320		
400.10	Water Service Pipe 1 ¼-Inch	LF	130		
400.11	Water Gate Valve 6-Inch	EACH	1		
400.12	Water Gate Valve 8-Inch	EACH	1		
400.14	Water Tee 8x6-Inch	EACH	1		
400.17	Water Reducer 12x8-Inch	EACH	1		
400.19	Water Plug 8-Inch	EACH	1		
400.20	Water Hydrant	EACH	1		
Highland Road Water Main Total					

Stonehedge Drive Storm Sewer					
Item	Description	Units	Quantity	Unit Price	Total
100.01	Remove & Replace Concrete Sidewalk	SF	130		
100.02	Remove & Replace Curb & Gutter	LF	50		
100.03	Base Aggregate Dense	TON	105		
100.04	Asphaltic Surface	TON	125		
100.05	Lawn Restoration	SY	205		
100.06	Inlet Protection Type C	EACH	2		
100.07	Traffic Control	LS	1		
100.08	Sawing Asphalt & Concrete	LF	315		
200.01	Storm Sewer Pipe PVC SDR-35 4-Inch	LF	200		
200.03	Manholes 4-FT Diameter w/ Casting	EACH	1		
200.04	Doghouse Manholes 4-FT Diameter w/ Casting	EACH	1		
Stonehedge Drive Storm Sewer Total					
Stonehedge Drive Storm Sewer Alternate #1					
Item	Description	Units	Quantity	Unit Price	Total
200.02A	Storm Sewer Pipe RCP Class III 12-Inch	LF	240		
Stonehedge Drive Storm Sewer Alternate #1 Total					
Stonehedge Drive Storm Sewer Alternate #2					
Item	Description	Units	Quantity	Unit Price	Total
200.02B	Storm Sewer Pipe Corrugated Polypropylene 12-Inch	LF	240		
Stonehedge Drive Storm Sewer Alternate #2 Total					

Sherman Road Sanitary Sewer					
Item	Description	Units	Quantity	Unit Price	Total
100.01	Remove & Replace Concrete Sidewalk	SF	35		
100.02	Remove & Replace Curb & Gutter	LF	10		
100.03	Base Aggregate Dense	TON	35		
100.04	Asphaltic Surface	TON	15		
100.05	Lawn Restoration	SY	370		
100.07	Traffic Control	LS	1		
100.08	Sawing Asphalt & Concrete	LF	115		
100.09	Clearing & Grubbing	LS	1		
300.01	Sanitary Sewer PVC 6-Inch	LF	10		
300.02	Sanitary Sewer PVC 8-Inch	LF	335		
300.04	Sanitary Manholes 4-FT Diameter w/ Casting	EACH	1		
300.05	Sanitary Doghouse Manholes 4-FT Diameter w/ Casting	EACH	1		
Sherman Road Sanitary Sewer Total					

- 6.01 Bidder agrees that the Work will be complete as specified in Document 00500, Agreement, Article 4.02, Contract Time, and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions and Article 4.02 of the Agreement.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages in the event of failure to complete the Work within the times specified above, which shall be stated in the Agreement.
- 7.01 The following documents are attached to and made a condition of this Bid:
- A. Required Bid bond in the form of Bid Bond, Certified Check or Bank Cashier's Check.
 - B. Document 00490, Disclosure of Ownership
- 8.01 The terms used in this Bid, which are defined in the General Conditions of the Construction Contract included as part of the Contract Documents and have the meanings assigned to them in the General Conditions.

SUBMITTED on _____, 2018.

If BIDDER is:

An Individual

By: _____ (SEAL)
(Individual's Name Typed or Printed)

doing business as _____

Business address: _____

Phone No. _____ Fax No. _____

A Partnership

Partnership Name: _____ (SEAL)

By: _____
(Signature of general partner -- attach evidence of authority to sign)

Name (typed or printed): _____

Business address: _____

Phone No. _____ Fax No. _____

A Corporation

By: _____
(Corporation name)

State of Incorporation: _____

Type (General Business, Professional, Service, Limited Liability:

By: _____
(Signature -- attach evidence of authority to sign)

Name (typed or printed): _____

(Title)

(Corporate Seal)

Attest: _____
(Secretary)

Business address: _____

Phone No. _____ Fax No. _____

A Joint Venture

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature -- attach evidence of authority to sign)

Title: _____

Business Address: _____

Phone No. _____ Fax No. _____

Joint Venturer Name: _____ (SEAL)

By: _____
(Signature -- attach evidence of authority to sign)

Title: _____

Business Address: _____

Phone No. _____ Fax No. _____

Phone and Fax Number, and Address for receipt of official communications:

(Each joint venturer must sign. The manner of signing for each individual, partnership and corporation that is a party to the joint venture should be in the manner indicated above).

END OF DOCUMENT

DOCUMENT 00420

STATEMENT OF QUALIFICATION OF BIDDERS

In accordance with the requirements of the Wisconsin Statutes and the rules adopted by the Village of Jackson, pursuant thereto, for qualification of Bidders to bid upon public work for which bids are advertised in the _____, (I) (we) hereby submit the following information:

Bidder's Name: _____

Address: _____

ZIP: _____ Phone: _____

Experience of the Bidder during the past five years in the prosecution of contracts for similar to that covered by the Bid:

Equipment which is available to be assigned to the project in the event the contract is awarded to this Bidder:

A summary balance sheet showing the assets and liabilities of the Bidder at a date not longer than ninety (90) days before the date of the bid is hereto attached and forms a part of this Certificate.

Dated at _____, Wisconsin, this _____ day of _____, 20____.

(Print/type name and title)

Countersigned by:

(Print/type name and title)

STATE OF WISCONSIN)

_____COUNTY)

_____, being first duly sworn on oath, deposes and says:

He is the individual who signed the attachment Statement of _____, and has been duly authorized by his partner(s) to verify the attached Statement of Qualifications.

_____and_____

_____and_____

respectively, of _____

(corporation), and have been duly authorized to execute the attached Statement of Qualifications.

That (he has) (they have) read the above and foregoing Certificate, know the contents thereof and that the same are true to (his) (their) own knowledge.

Subscribed and sworn to before me this _____ day of

_____, 20_____.

Notary Public

My Commission Expires:_____

State of Wisconsin
Department of Workforce Development
Equal Rights Division

Disclosure of Ownership

The statutory authority for the use of this form is prescribed in Sections 66.0903(12)(d), 66.0904(10)(d) and 103.49(7)(d), 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]

- (1) On the date a contractor submits a bid to or completes negotiations with a state agency, local governmental unit, or developer, investor or owner on a project subject to Section 66.0903, 66.0904 or 103.49, Wisconsin Statutes, the contractor shall disclose to such state agency, local governmental unit, or developer, investor or owner, the name of any "other construction business", which the contractor, or a shareholder, officer or partner of the contractor, owns or has owned within the preceding three (3) years.
- (2) The term "other construction business" means any business engaged in the erection, construction, remodeling, repairing, demolition, altering or painting and decorating of buildings, structures or facilities. It also means any business engaged in supplying mineral aggregate, or hauling excavated material or spoil as provided by Sections 66.0903(3), 66.0904(2), 103.49(2) and 103.50(2), Wisconsin Statutes.
- (3) This form must **ONLY** be filed, with the state agency project owner, local governmental unit project owner, or developer, investor or owner of a publicly funded private construction project that will be awarding the contract, if **both (A) and (B) are met.**
 - (A) The contractor, or a shareholder, officer or partner of the contractor:
 - (1) Owns at least a 25% interest in the "other construction business", indicated below, on the date the contractor submits a bid or completes negotiations.
 - (2) Or has owned at least a 25% interest in the "other construction business" at any time within the preceding three (3) years.
 - (B) The Wisconsin Department of Workforce Development (DWD) has determined that the "other construction business" has failed to pay the prevailing wage rate or time and one-half the required hourly basic rate of pay, for

Other Construction Business

Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code
Name of Business			
Street Address or P O Box	City	State	Zip Code

I hereby state under penalty of perjury that the information, contained in this document, is true and accurate according to my knowledge and belief.

Print the Name of Authorized Officer			
Signature of Authorized Officer		Date Signed	
Name of Corporation, Partnership or Sole Proprietorship			
Street Address or P O Box	City	State	Zip Code

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

00490-1

DOCUMENT 00500

AGREEMENT

- A. THIS AGREEMENT is by and between the Village of Jackson, Wisconsin hereinafter called _____, OWNERS and hereinafter called CONTRACTOR.
- B. OWNERS and CONTRACTOR, in consideration of mutual covenants hereinafter set forth, agree as follows:

ARTICLE 1 – WORK

- 1.01 CONTRACTOR shall complete all Work as specified or indicated in the Contract Documents. Work is generally described as follows:

Relocation of water main along CTH P from Northwest Passage to Canyon Drive.
Construction of storm sewer along Stonehedge Drive east of Hickory Lane.
Construction of sanitary sewer along Sherman Road west of Hickory Lane.
Construction of water main along Highland Road east of English Oaks Drive.

ARTICLE 2 – THE PROJECT

- 2.01 Project for which Work under Contract Documents may be whole or only a part is generally described as follows:

2018 Utility Improvements
Miscellaneous Streets

ARTICLE 3 - ENGINEER

- A. Project has been designed by: GREMMER & ASSOCIATES, INC.
93 S. Pioneer Road
Suite 300
Fond du Lac, WI 54935
(920) 924-5720
(920) 924-5725 FAX

who is hereinafter called ENGINEER and who is to act as the OWNER's representative, assumes duties and responsibilities and will have rights and authority assigned to ENGINEER in the Contract Documents in connection with the completion of Work in accordance with the Contract Documents.

ARTICLE 4 – CONTRACT TIMES

4.01 *Time of the Essence*

- A. All time limits for Milestones, Completion, and readiness for final payment as stated in the Contract Documents are of the essence of the Contract.

4.02 *Dates for Completion and Final Payment*

- A. All work along CTH P shall be completed and ready for final completion no later than May 11, 2018.
- B. All work along Stonehedge Drive, Sherman Road and Highland Road shall be completed and ready for final completion no later than August 31, 2018.
- C. The project is tentatively scheduled to be reviewed at the March 27, 2018 Board of Public Works meeting and April 10, 2018 Village Board meeting. The earliest probable date of beginning for the project is April 16, 2018. CONTRACTOR may need to adjust start date and schedule of operations based on the status of the above-mentioned items.

4.03 *Liquidated Damages.*

- A. CONTRACTOR AND OWNERS recognize that time is of the essence of this Agreement and OWNERS will suffer financial loss if Work is not completed within the times specified in Paragraph 4.02 above, plus any extensions thereof allowed in accordance with Article 12 of General Conditions. The parties also recognize the delays, expense and difficulties involved in proving in a legal or arbitration proceedings the actual loss suffered by OWNERS if the Work is not complete on time. Accordingly, instead of requiring any such proof, OWNERS and CONTRACTOR agree that as liquidated damages for delay (but not as a penalty) CONTRACTOR shall pay OWNERS five hundred dollars (\$500.00) for each day that expires after time specified in Paragraph 4.02 for Final Completion until the Work is complete or until the milestones specified in 4.02 are met.

ARTICLE 5 – CONTRACT PRICE

- 5.01 OWNERS shall pay CONTRACTOR for performance of Work in accordance with Contract Documents an amount in current funds equal to the sum of the amounts determined pursuant to Paragraphs 5.01.A.

See attached copy of Bid Form.

ARTICLE 6 – PAYMENT PROCEDURES

6.01 *Submittal and Processing of Payments*

- A. CONTRACTOR shall submit Applications for Payment in accordance with Article 14 of the General Conditions. Applications for Payment will be processed by ENGINEER as provided in the General Conditions.

6.02 *Progress Payments; Retainage*

- A. OWNERS shall make progress payments on account of the Contract Price on the basis of CONTRACTOR's Applications for Payment on or about the 15th day of each month during performance of the Work as provided in Paragraphs 6.02.A.1 and 6.02.A.2 below. All such payments will be measured by the schedule of values established in Paragraph 2.07.A of the General Conditions.
 - 1. The OWNERS will retain 5% of the amount due the CONTRACTOR until 50% of the amount due the CONTRACTOR is reached. At 50% completion, further partial payments shall be made in full to CONTRACTOR and no additional amounts may be retained unless ENGINEER certifies that job is not proceeding satisfactory, but amounts previously retained shall not be paid to CONTRACTOR. At 50% completion or any time thereafter when progress of work is not satisfactory, additional amounts may be retained but in no event shall total retainage be more than 10% of value of work completed.
 - 2. Upon Substantial Completion, OWNERS shall pay an amount sufficient to increase total payments to CONTRACTOR to 98% of the Work completed, less such amounts as ENGINEER shall determine in accordance with Paragraph 14.02.B.5 of the General Conditions and less 100% of ENGINEER's estimate of the value of Work to be completed or corrected as shown on the tentative list of items to be completed or corrected attached to the certificate of Substantial Completion.

6.03 *Final Payment*

- A. Upon final completion and acceptance of the Work in accordance with Paragraph 14.07 of the General Conditions, OWNERS shall pay the remainder of the Contract Price as recommended by ENGINEER as provided in said Paragraph 14.07.

ARTICLE 7 – INTEREST

Not used.

ARTICLE 8 – CONTRACTOR’S REPRESENTATIONS

8.01 In order to induce OWNERS to enter into this Agreement, CONTRACTOR makes the following representations:

- A. CONTRACTOR has examined and carefully studied the Contract Documents and the other related data identified in the Bidding Documents.
- B. CONTRACTOR has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
- C. CONTRACTOR is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- D. CONTRACTOR has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which has been identified in the Supplementary Conditions as provided in Paragraph 4.02 of the General Conditions.
- E. CONTRACTOR has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by CONTRACTOR, including applying the specific means, methods, techniques, sequences, and procedures of construction, if any, expressly required by the Contract Documents to be employed by CONTRACTOR, and safety precautions and programs incident thereto.
- F. CONTRACTOR does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract Documents.
- G. CONTRACTOR is aware of the general nature of the work to be performed by OWNERS and others at the Site that relates to the Work as indicated in the Contract Documents.

- H. CONTRACTOR has correlated the information known to CONTRACTOR, information and observations obtained from visits to the Site, reports and drawings identified in the Contract Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Contract Documents.
- I. CONTRACTOR has given ENGINEER written notice of all conflicts, errors, ambiguities, or discrepancies that CONTRACTOR has discovered in the Contract Documents, and the written resolution thereof by ENGINEER is acceptable to CONTRACTOR.
- J. The Contract Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.

ARTICLE 9 – CONTRACT DOCUMENTS

9.01 *Contents*

- A. The Contract Documents consists of the following:
 - 1. This Agreement (pages 00500-1 to 00500-9, inclusive);
 - 2. Performance Bond (pages 00610-1 to 00610-2, inclusive);
 - 3. Payment Bond (pages 00615-1 to 00615-2, inclusive);
 - 4. Other Bonds (pages _____ to _____, inclusive);
 - a. _____ (pages _____ to _____, inclusive);
 - b. _____ (pages _____ to _____, inclusive);
 - c. _____ (pages _____ to _____, inclusive);
 - 5. General Conditions
 - 6. Supplementary Conditions (pages 00810-1 to 00810-5, inclusive);
 - 7. Specifications as listed in the table of contents of the Project Manual;
 - 8. Drawings with each sheet bearing the following general title: Stonehedge Drive.
 - 9. Addenda (numbers _____ to _____, inclusive);

10. Exhibits to this Agreement (enumerated as follows):
 - a. Notice to Proceed (pages _____ to _____, inclusive);
 - b. CONTRACTOR's Bid (pages _____ to _____, inclusive);
 - c. Documentation submitted by CONTRACTOR prior to Notice of Award (pages _____ to _____, inclusive);
 - d. _____;
11. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
 - a. Written Amendments;
 - b. Work Change Directives;
 - c. Change Order(s).
- B. The documents listed in Paragraph 9.01.A are attached to this Agreement (except as expressly noted otherwise above).
- C. There are no Contract Documents other than those listed above in this Article 9.
- D. The Contract Documents may only be amended, modified, or supplemented as provided in Paragraph 3.05 of the General Conditions.

ARTICLE 10 – MISCELLANEOUS

10.01 *Terms*

- A. Terms used in this Agreement will have the meanings indicated in the General Conditions.

10.02 *Assignment of Contract*

- A. No assignment by a party hereto of any rights under or interests in Contract will be binding on another party hereto without written consent of party sought to be bound; and, specifically but without limitation, monies that may become due and monies that are due may not be assigned without such consent (except to extent that effect of this restriction may be limited by law), and unless specifically stated to contrary in any written consent to an assignment, no assignment will release or discharge assignor from any duty of responsibility under Contract Documents.

10.03 *Successors and Assigns*

- A. OWNERS and CONTRACTOR each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns and legal representatives in respect to all covenants, agreements and obligations contained in Contract Documents.

10.04 *Severability*

- A. Any provision or part of the Contract Documents held to be void or unenforceable under any Law or Regulation shall be deemed stricken, and all remaining provisions shall continue to be valid and binding upon OWNERS and CONTRACTOR, who agree that the Contract Documents shall be reformed to replace such stricken provision or part thereof with a valid and enforceable provision that comes as close as possible to expressing the intention of the stricken provision.

IN WITNESS THEREOF, OWNERS and CONTRACTOR have signed this Agreement in duplicate. One counterpart each has been delivered to OWNERS and to CONTRACTOR. All portions of the Contract Documents have been signed or identified by OWNERS and CONTRACTOR or on their behalf.

This Agreement will be effective on _____, _____
(which is the Effective Date of the Agreement).

OWNER (Village of Jackson):

CONTRACTOR:

By: _____

By: _____

[CORPORATE SEAL]

[CORPORATE SEAL]

Attest _____

Attest _____

Address for giving notices:

Address for giving notices:

(If OWNER is a corporation, attach evidence of authority to sign. If OWNER is a public body, attach evidence of authority to sign and and resolution or other documents authorizing execution of OWNER-CONTRACTOR Agreement.)

License No. _____
(Where applicable)

Agent for service of process: _____

(If CONTRACTOR is a corporation or a partnership, attach evidence of authority to sign.)

Designated Representative:

Designated Representative:

Name: _____

Name: _____

Title: _____

Title: _____

Address: _____

Address: _____

Phone: _____

Phone: _____

Facsimile: _____

Facsimile: _____

END OF DOCUMENT

DOCUMENT 00560

CONTRACT CHANGE ORDER

Order No.: _____

Date: _____

Agreement Date: _____

NAME OF PROJECT: _____

OWNER: **Village of Jackson**

CONTRACTOR: _____

The following changes are hereby made to the CONTRACT DOCUMENTS:

Justification:

Change to CONTRACT PRICE:

Original Contract Price: \$ _____

Current Contract Price adjusted by Previous Change Order: \$ _____

The Contract Price due to this Change Order will be increased by: \$ _____

The new Contract Price including this Change Order will be: \$ _____

Change to CONTRACT TIME:

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

The date for completion of all work will be **TBD**.

Accepted By: _____ Owner

Representing: Village of Jackson

Print Name/Title: _____

Date: _____

Recommended By: _____ Engineer

Representing: _____

Print Name/Title: _____

Date: _____

Requested By: _____ Contractor

Representing: _____

Print Name/Title: _____

Date: _____

DOCUMENT 00600

CONTRACT FORMS

PART 1 - GENERAL

1.01 FORMS INCLUDED BY REFERENCE

- A. Notice of Award:
 - 1. Notice of Award for this project shall be EJCDC C-510 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- B. Notice To Proceed:
 - 1. Notice To Proceed for this project shall be EJCDC C-550 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- C. Application for Payment:
 - 1. Application for Payment form for this project shall be EJCDC C-620 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- D. Certificate of Substantial Completion:
 - 1. Certificate of Substantial Completion for this project shall be EJCDC C-625 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- E. Standard General Conditions of the Construction Contract:
 - 1. Standard General Conditions of the Construction Contract for this project shall be EJCDC C-700 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.
- F. Work Change Directive:
 - 1. Work Change Directive for this project shall be EJCDC C-940 (2002 Edition), a copy of which can be purchased from the National Society of Professional Engineers or seen in the office of the ENGINEER.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF DOCUMENT

PERFORMANCE BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Performance Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title:

EJCDC No. C-610 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, and the American Institute of Architects.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner for the performance of the Contract, which is incorporated herein by reference.

2. If Contractor performs the Contract, Surety and Contractor have no obligation under this Bond, except to participate in conferences as provided in Paragraph 3.1.

3. If there is no Owner Default, Surety's obligation under this Bond shall arise after:

3.1. Owner has notified Contractor and Surety, at the addresses described in Paragraph 10 below, that Owner is considering declaring a Contractor Default and has requested and attempted to arrange a conference with Contractor and Surety to be held not later than 15 days after receipt of such notice to discuss methods of performing the Contract. If Owner, Contractor and Surety agree, Contractor shall be allowed a reasonable time to perform the Contract, but such an agreement shall not waive Owner's right, if any, subsequently to declare a Contractor Default; and

3.2. Owner has declared a Contractor Default and formally terminated Contractor's right to complete the Contract. Such Contractor Default shall not be declared earlier than 20 days after Contractor and Surety have received notice as provided in Paragraph 3.1; and

3.3. Owner has agreed to pay the Balance of the Contract Price to:

1. Surety in accordance with the terms of the Contract;
2. Another contractor selected pursuant to Paragraph 4.3 to perform the Contract.

4. When Owner has satisfied the conditions of Paragraph 3, Surety shall promptly and at Surety's expense take one of the following actions:

4.1. Arrange for Contractor, with consent of Owner, to perform and complete the Contract; or

4.2. Undertake to perform and complete the Contract itself, through its agents or through independent contractors; or

4.3. Obtain bids or negotiated proposals from qualified contractors acceptable to Owner for a contract for performance and completion of the Contract, arrange for a contract to be prepared for execution by Owner and Contractor selected with Owner's concurrence, to be secured with performance and payment bonds executed by a qualified surety equivalent to the bonds issued on the Contract, and pay to Owner the amount of damages as described in Paragraph 6 in excess of the Balance of the Contract Price incurred by Owner resulting from Contractor Default; or

4.4. Waive its right to perform and complete, arrange for completion, or obtain a new contractor and with reasonable promptness under the circumstances:

1. After investigation, determine the amount for which it may be liable to Owner and, as soon as practicable after the amount is determined, tender payment therefor to Owner; or
2. Deny liability in whole or in part and notify Owner citing reasons therefor.

5. If Surety does not proceed as provided in Paragraph 4 with reasonable promptness, Surety shall be deemed to be in default on this Bond 15 days after receipt of an additional written notice from Owner to Surety demanding that Surety perform its obligations under this Bond, and Owner shall be entitled to enforce any remedy available to Owner. If Surety proceeds as provided in Paragraph 4.4, and Owner refuses the payment tendered or Surety has denied liability, in whole or in part, without further notice Owner shall be entitled to enforce any remedy available to Owner.

6. After Owner has terminated Contractor's right to complete the Contract, and if Surety elects to act under Paragraph 4.1, 4.2, or 4.3 above, then the responsibilities of Surety to Owner shall not be greater than those of Contractor under the Contract, and the responsibilities of Owner to Surety shall not be greater than those of Owner under the Contract. To a limit of the amount of this Bond, but subject to commitment by Owner of the Balance of the Contract Price to mitigation of costs and damages on the Contract, Surety is obligated without duplication for:

6.1. The responsibilities of Contractor for correction of defective Work and completion of the Contract;

6.2. Additional legal, design professional, and delay costs resulting from Contractor's Default, and resulting from the actions or failure to act of Surety under Paragraph 4; and

6.3. Liquidated damages, or if no liquidated damages are specified in the Contract, actual damages caused by delayed performance or non-performance of Contractor.

7. Surety shall not be liable to Owner or others for obligations of Contractor that are unrelated to the Contract, and the Balance of the Contract Price shall not be reduced or set off on account of any such unrelated obligations. No right of action shall accrue on this Bond to any person or entity other than Owner or its heirs, executors, administrators, or successors.

8. Surety hereby waives notice of any change, including changes of time, to Contract or to related subcontracts, purchase orders, and other obligations.

9. Any proceeding, legal or equitable, under this Bond may be instituted in any court of competent jurisdiction in the location in which the Work or part of the Work is located and shall be instituted within two years after Contractor Default or within two years after Contractor ceased working or within two years after Surety refuses or fails to perform its obligations under this Bond, whichever occurs first. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.

10. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the address shown on the signature page.

11. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory bond and not as a common law bond.

12. Definitions.

12.1. Balance of the Contract Price: The total amount payable by Owner to Contractor under the Contract after all proper adjustments have been made, including allowance to Contractor of any amounts received or to be received by Owner in settlement of insurance or other Claims for damages to which Contractor is entitled, reduced by all valid and proper payments made to or on behalf of Contractor under the Contract.

12.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.

12.3. Contractor Default: Failure of Contractor, which has neither been remedied nor waived, to perform or otherwise to comply with the terms of the Contract.

12.4. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

FOR INFORMATION ONLY – Name, Address and Telephone
Surety Agency or Broker
Owner's Representative (engineer or other party)

PAYMENT BOND

Any singular reference to Contractor, Surety, Owner, or other party shall be considered plural where applicable.

CONTRACTOR (Name and Address):

SURETY (Name and Address of Principal Place of Business):

OWNER (Name and Address):

CONTRACT

Date:

Amount:

Description (Name and Location):

BOND

Bond Number:

Date (Not earlier than Contract Date):

Amount:

Modifications to this Bond Form:

Surety and Contractor, intending to be legally bound hereby, subject to the terms printed on the reverse side hereof, do each cause this Payment Bond to be duly executed on its behalf by its authorized officer, agent, or representative.

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

(Space is provided below for signatures of additional parties, if required.)

CONTRACTOR AS PRINCIPAL

Company:

Signature: _____ (Seal)

Name and Title:

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title

SURETY

(Seal)

Surety's Name and Corporate Seal

By:

Signature and Title

(Attach Power of Attorney)

Attest:

Signature and Title:

EJCDC No. C-615 (2002 Edition)

Originally prepared through the joint efforts of the Surety Association of America, Engineers Joint Contract Documents Committee, the Associated General Contractors of America, the American Institute of Architects, the American Subcontractors Association, and the Associated Specialty Contractors.

1. Contractor and Surety, jointly and severally, bind themselves, their heirs, executors, administrators, successors, and assigns to Owner to pay for labor, materials, and equipment furnished by Claimants for use in the performance of the Contract, which is incorporated herein by reference.
2. With respect to Owner, this obligation shall be null and void if Contractor:
 - 2.1. Promptly makes payment, directly or indirectly, for all sums due Claimants, and
 - 2.2. Defends, indemnifies, and holds harmless Owner from all claims, demands, liens, or suits alleging non-payment by Contractor by any person or entity who furnished labor, materials, or equipment for use in the performance of the Contract, provided Owner has promptly notified Contractor and Surety (at the addresses described in Paragraph 12) of any claims, demands, liens, or suits and tendered defense of such claims, demands, liens, or suits to Contractor and Surety, and provided there is no Owner Default.
3. With respect to Claimants, this obligation shall be null and void if Contractor promptly makes payment, directly or indirectly, for all sums due.
4. Surety shall have no obligation to Claimants under this Bond until:
 - 4.1. Claimants who are employed by or have a direct contract with Contractor have given notice to Surety (at the addresses described in Paragraph 12) and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and, with substantial accuracy, the amount of the claim.
 - 4.2. Claimants who do not have a direct contract with Contractor:
 1. Have furnished written notice to Contractor and sent a copy, or notice thereof, to Owner, within 90 days after having last performed labor or last furnished materials or equipment included in the claim stating, with substantial accuracy, the amount of the claim and the name of the party to whom the materials or equipment were furnished or supplied, or for whom the labor was done or performed; and
 2. Have either received a rejection in whole or in part from Contractor, or not received within 30 days of furnishing the above notice any communication from Contractor by which Contractor had indicated the claim will be paid directly or indirectly; and
 3. Not having been paid within the above 30 days, have sent a written notice to Surety and sent a copy, or notice thereof, to Owner, stating that a claim is being made under this Bond and enclosing a copy of the previous written notice furnished to Contractor.
5. If a notice by a Claimant required by Paragraph 4 is provided by Owner to Contractor or to Surety, that is sufficient compliance.
6. When a Claimant has satisfied the conditions of Paragraph 4, the Surety shall promptly and at Surety's expense take the following actions:
 - 6.1. Send an answer to that Claimant, with a copy to Owner, within 45 days after receipt of the claim, stating the amounts that are undisputed and the basis for challenging any amounts that are disputed.
 - 6.2. Pay or arrange for payment of any undisputed amounts.
7. Surety's total obligation shall not exceed the amount of this Bond, and the amount of this Bond shall be credited for any payments made in good faith by Surety.
8. Amounts owed by Owner to Contractor under the Contract shall be used for the performance of the Contract and to satisfy claims, if any, under any performance bond. By Contractor furnishing and Owner accepting this Bond, they agree that all funds earned by Contractor in the performance of the Contract are dedicated to satisfy obligations of Contractor and Surety under this Bond, subject to Owner's priority to use the funds for the completion of the Work.
9. Surety shall not be liable to Owner, Claimants, or others for obligations of Contractor that are unrelated to the Contract. Owner shall not be liable for payment of any costs or expenses of any Claimant under this Bond, and shall have under this Bond no obligations to make payments to, give notices on behalf of, or otherwise have obligations to Claimants under this Bond.
10. Surety hereby waives notice of any change, including changes of time, to the Contract or to related Subcontracts, purchase orders and other obligations.
11. No suit or action shall be commenced by a Claimant under this Bond other than in a court of competent jurisdiction in the location in which the Work or part of the Work is located or after the expiration of one year from the date (1) on which the Claimant gave the notice required by Paragraph 4.1 or Paragraph 4.2.3, or (2) on which the last labor or service was performed by anyone or the last materials or equipment were furnished by anyone under the Construction Contract, whichever of (1) or (2) first occurs. If the provisions of this paragraph are void or prohibited by law, the minimum period of limitation available to sureties as a defense in the jurisdiction of the suit shall be applicable.
12. Notice to Surety, Owner, or Contractor shall be mailed or delivered to the addresses shown on the signature page. Actual receipt of notice by Surety, Owner, or Contractor, however accomplished, shall be sufficient compliance as of the date received at the address shown on the signature page.
13. When this Bond has been furnished to comply with a statutory requirement in the location where the Contract was to be performed, any provision in this Bond conflicting with said statutory requirement shall be deemed deleted herefrom and provisions conforming to such statutory requirement shall be deemed incorporated herein. The intent is that this Bond shall be construed as a statutory Bond and not as a common law bond.
14. Upon request of any person or entity appearing to be a potential beneficiary of this Bond, Contractor shall promptly furnish a copy of this Bond or shall permit a copy to be made.
15. DEFINITIONS
 - 15.1. Claimant: An individual or entity having a direct contract with Contractor, or with a first-tier subcontractor of Contractor, to furnish labor, materials, or equipment for use in the performance of the Contract. The intent of this Bond shall be to include without limitation in the terms "labor, materials or equipment" that part of water, gas, power, light, heat, oil, gasoline, telephone service, or rental equipment used in the Contract, architectural and engineering services required for performance of the Work of Contractor and Contractor's Subcontractors, and all other items for which a mechanic's lien may be asserted in the jurisdiction where the labor, materials, or equipment were furnished.
 - 15.2. Contract: The agreement between Owner and Contractor identified on the signature page, including all Contract Documents and changes thereto.
 - 15.3. Owner Default: Failure of Owner, which has neither been remedied nor waived, to pay Contractor as required by the Contract or to perform and complete or comply with the other terms thereof.

**FOR INFORMATION ONLY – Name, Address and Telephone
Surety Agency or Broker:
Owner's Representative (engineer or other party):**

DOCUMENT 00810

SUPPLEMENTARY CONDITIONS

The Supplementary Conditions amend or supplement the "Standard General Conditions of the Construction Contract" (EJCDC No. C-700, 2007 Edition) and other provisions of the Contract Documents as indicated below. All provisions, which are not so amended or supplemented, remain in full force and effect.

ARTICLE 1 - DEFINITIONS

SC 1.01.

Amend Article 1.01 (A)(19) to read as follows:

Engineer - The Village Engineer, Village of Jackson.

ARTICLE 2 - PRELIMINARY MATTERS

SC 2.02.

Amend the first sentence of Article 2.02 of the General Conditions to indicate the number of copies of Contract Documents as follows:

Three copies of the Contract Documents shall be furnished.

SC 2.03.

Delete the last sentence of Article 2.03 of the General Conditions in its entirety.

SC 2.06.

Add new paragraph immediately after Article 2.06 of the General Conditions, which is to read as follows:

2.06(A) The conference will be held at a location selected by OWNER.

ARTICLE 5 - BONDS AND INSURANCE

SC 5.04.

Supplement Article 5.04 with the following information:

The limits of liability for the insurance required by Article 5.04 of the General Conditions shall provide the following coverage for not less than the following amounts or greater where required by Laws and Regulations:

5.04.A.1. and 5.04.A.2. Worker's Compensation, etc., under Articles 5.04.A.1 and 5.04.A.2 of the General Conditions:

(1) State:	Statutory
(2) Applicable Federal (e.g. , Longshoreman's):	Statutory
(3) Employer's Liability.*	
Bodily Injury by Accident (each accident)	\$1,000,000
Bodily Injury by Disease (each employee)	\$1,000,000
Bodily Injury by Disease (policy limit)	\$1,000,000

*Or limits required by umbrella insurer

5.04.A.3 – 5.04.A.5. Contractor's General Liability under Articles 5.04.A.3 through 5.04.A.5 of the General Conditions which shall include completed operation and product liability coverage.

(1) General Aggregate (Except Products – Completed Operations)	\$1,000,000
(2) Products – Completed Operations Aggregate	\$1,000,000
(3) Personal and Advertising Injury (Per Person/Organization)	\$1,000,000
(4) Bodily Injury and Property Damage Each Occurrence	\$1,000,000
(5) Personal Medical Expense (Per Person)	\$5,000
(6) Property Damage Liability Insurance will provide Explosion, Collapse, and Underground coverage where applicable.	
(7) Excess Liability (Umbrella)	
General Aggregate	\$2,000,000
Each Occurrence	\$2,000,000

Or limits required by umbrella insurer

5.04.A.6 Automobile Liability

Bodily Injury and Property Damage Combined Single Limit Each Accident	\$1,000,000
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Or limits required by umbrella insurer

5.04.B.4 The Contractual Liability coverage required by Article 5.04.B.4 of the General Conditions shall provide coverage for not less than the following amounts:

General Aggregate	\$1,000,000
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Each Occurrence (Bodily Injury and Property Damage)	\$1,000,000
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Or limits required by umbrella insurer

ARTICLE 6 - CONTRACTOR'S RESPONSIBILITIES

SC 6.08.

Owner will obtain and pay for all necessary permits for the work.

SC 6.13.C.

Add a new paragraph immediately after Article 6.13.B. of the General Conditions which is to read as follows:

6.13.C. In emergencies affecting the safety or protection of persons or property or maintenance of temporary construction at the site or adjacent thereto, and CONTRACTOR cannot be reached, OWNER may act to attempt to prevent threatened damage, injury, or loss. OWNER will give CONTRACTOR and ENGINEER prompt written notice of such action and the cost of the correction or remedy shall be charged against CONTRACTOR. A Change Order will be issued to document the change in Contract Price.

6.13.D. Contractor shall assist and cooperate fully with Village in meeting any obligations under the Wisconsin Public Records law. In the event that contractor withholds records, for any reason, and said withholding is found to be in violation of the law or a Court Order, contractor shall indemnify and hold harmless Village for any and all costs related to the withholding of those records, including, but not limited to, monetary damages of any kind, actual attorney's fees, and litigation costs of any kind.

ARTICLE 9 - ENGINEER'S STATUS DURING CONSTRUCTION

SC 9.11.

Add a new paragraph immediately after Article 9.10.A. of the General Conditions:

9.11. When ENGINEER is on the Project site to perform the duties and responsibilities as set forth in the Contract Documents, ENGINEER will comply with CONTRACTOR'S safety plans, programs, and procedures. In the event ENGINEER determines that CONTRACTOR'S safety plans, programs, and

procedures do not provide adequate protection for ENGINEER, ENGINEER may direct its employees to leave the Project site or implement additional safeguards for ENGINEER'S protection. If taken, these actions will be in furtherance of ENGINEER'S responsibility to its own employees only, and ENGINEER will not assume any responsibility for protection of any other persons or property affected by the Work. In the event ENGINEER observes a situation which appears to have potential for immediate and serious injury to persons or property, ENGINEER may warn the persons who appear to be affected by such situations. Such warnings, if issued, shall be given based on general humanitarian concerns, and ENGINEER will not, by the issuance of any such warning, assume any responsibility to issue future warnings or any general responsibility for protection of persons or property affected by the Work.

ARTICLE 17 - MISCELLANEOUS

SC 17.07.

Add a new paragraph immediately after Article 17.06 of the General Conditions, which is to read as follows:

17.07. Lien Waivers:

OWNER may at any time during the Work or before Substantial Completion of the Work require CONTRACTOR to furnish lien waivers for labor and materials used.

ARTICLE 6.20 – IDEMNIFICATION

Add the following to the end of Paragraph 6.20 A of the General Conditions:

- A. In addition, CONTRACTOR shall indemnify and hold harmless the OWNERS, ENGINEER, and their agents and employees, from and against any and all claims, damages, losses, and expenses, including reasonable attorney's fees in case it shall be necessary to file an action, arising out of performance of the work herein, that is:
 - a. for bodily injury, illness, or death, or for property damage, including loss of use, and
 - b. caused in whole or in part by Contractor's negligent act or omission, or that of a subcontractor, or that of anyone employed by them or for whose acts the Contractor or Subcontractor may be liable.

ARTICLE 13.01 – NOTICE OF DEFECTS

Add the following new paragraph immediately after Article 13.01A:

- B. CONTRACTOR shall be required to warranty or guarantee materials and workmanship for work done under this contract by keeping said works in good order or repair at his expense for **one year** from date of Final Completion of Work by OWNERS. Guarantee items shall include, but are not limited to, concrete, re-grading and restoration of work areas, and re-establishment of lawn areas.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF DOCUMENT

DOCUMENT 00821

WAGE REQUIREMENTS

PART 1 – GENERAL

1.01 WAGE REQUIREMENTS

- A. As per Section 2015 Act 55, the Village is not required to establish a rate of wage scale for this project.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF DOCUMENT

DOCUMENT 00900

ADDENDA

FILE ADDENDA HERE

SECTION 01011

SUMMARY OF PROJECT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Project; Work covered by Contract Documents.
- B. Contracts.
- C. Administrative and procedural Sections applicable to all Contracts.
- D. Work under prime Contracts.

1.02 RELATED SECTIONS

- A. Section 01019 - Contract Considerations.

1.03 PROJECT - WORK COVERED BY CONTRACT DOCUMENTS

- A. Work of the single prime contract comprises the Project for the construction of the
2018 Utility Improvements
Miscellaneous Streets

1.04 CONTRACTS

- A. Perform Work under a unit price contract with the OWNER.
- B. Work of Contract is identified in the following Articles and on the Drawings.

1.05 CONTRACT NO. 1 - GENERAL

- A. Work of contract generally comprises the following:
 - 1. Base aggregate dense.
 - 2. Asphaltic Surface.
 - 3. Lawn restoration.
 - 4. Storm sewer.
 - 5. Sanitary Sewer
 - 6. Water Main

- B. Division 1 - General Requirements:
 - 1. All Sections

- C. Division 2 - Site Work
 - 1. All sections.

- D. Division 3 - Concrete
 - 1. All sections.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION

SECTION 01019

CONTRACT CONSIDERATIONS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Application for Payment.
- B. Change procedures.
- C. Time limits for construction operation.

1.02 RELATED SECTIONS

- A. Document 00300 - Bid Form.
- B. Section 01400 - Quality Control.

1.03 APPLICATIONS FOR PAYMENT

- A. Submit three (3) copies of each application.
- B. Content and Format: Utilize Schedule of Unit Prices for listing items in Application for Payment.
- C. Payment Period: Application for payment must be to ENGINEER by the 15th day of each month for payment on the next month.
- D. Waiver of Liens to be filed for previous application for payment.

1.04 CHANGE PROCEDURES

- A. ENGINEER will advise of minor changes in Work not involving adjustment to Contract Sum/Price or Contract Time by issuing supplemental instructions by letter.
- B. ENGINEER may issue Proposal Request, which includes detailed description of a proposed change with supplementary or revised Drawings and Specifications, or change in Contract Time. CONTRACTOR will prepare and submit estimate within an appropriate time to maintain project schedules.

- C. CONTRACTOR may propose change by submitting request for change to ENGINEER, describing proposed change and its full effect on Work. Include statement describing the reason for change, and effect on Contract Sum/Price and Contract Time with full documentation and statement describing effect on Work by separate or other contractors.
- D. Stipulated Sum/Price Change Order: Based on Proposal Request and CONTRACTOR's price quotation or CONTRACTOR's request for a Change Order as approved by ENGINEER and price quotation.
- E. Construction Change Directive: ENGINEER may issue a directive, on letterhead form authorizing CONTRACTOR to proceed with change in Work, for subsequent inclusion in a Change Order. Letter will describe changes in Work, and designate method of determining change in Contract Sum/Price or Contract Time.
- G. Execution of Change Orders: ENGINEER will issue Change Orders for signatures of parties as provided in Conditions of Contract.

1.05 TIME LIMITS FOR CONSTRUCTION OPERATIONS

- A. The CONTRACTOR shall confine his construction activities to the times between 7:00 a.m. and 7:00 p.m., Monday thru Friday unless approved by the ENGINEER.

PART 2 - PRODUCTS

Not Used.

PART 3 - EXECUTION

Not Used.

END OF SECTION

SECTION 01025

MEASUREMENT AND PAYMENT

PART 1 – GENERAL

1.01 SECTION INCLUDES

- A. Pay items and units of measure.

1.02 RELATED REQUIREMENTS

- A. Document 00500 – Agreement
- B. Document 00700 – General Conditions

1.03 MEASUREMENT

- A. CONTRACTOR estimates shall be used for partial payments. CONTRACTOR shall submit to Engineer an “Application of Payment” for work completed. Request shall conform to “Schedule of Values”. ENGINEER will measure items for final payment.

1.04 PAYMENT

- A. Payment will be in accordance with Agreement and General Conditions.

1.05 UNIT PRICES

- A. Prices paid for various items shall include providing necessary material, labor, tools, equipment, insurance, transportation, disposal and incidentals.
- B. Quantity measured for payment shall be only actual amount incorporated in Work and accepted by OWNER.
- C. Cost of any work item called for in Contract Documents but not specifically provided for in a unit price shall be considered incidental to the Work and be included by CONTRACTOR in the unit prices and shall not be paid for separately.

1.06 STANDARD SPECIFICATIONS

- A. All roadway work shall conform to the Standard Specifications for Highway and Structure Construction, Wisconsin Department of Transportation, Latest Edition, hereinafter referred to as WDOT.

- B. In the case of a discrepancy between Section 02000 Special Provisions, WDOT specifications, and WS&W specifications, the Section 02000 Special Provisions shall govern.

1.07 SCHEDULE OF UNIT PRICE ITEMS

- A. The method and measurement and basis of payment for all unit price pay items shall be in accordance with the pertinent sections of the “Standard Specifications for Highway and Structure Construction,” State of Wisconsin, Latest Edition, and all Subsequent Supplemental Specifications (hereinafter referred to as WDOT standard specifications), or the project special provisions identified in Section 02000 Special Provisions, except for the following modifications:

Roadway Items

- 100.01 Remove & Replace Concrete Sidewalk
- a. Unit of measure: Square foot in accordance with WDOT 204.4 and WDOT 602.4.
 - b. Payment shall be in accordance with WDOT 204.5 and WDOT 602.5, except that it shall be modified as follows:
 - i. Bid item includes removal of concrete sidewalk.
 - ii. High early strength concrete, if required for construction staging or access, is considered incidental.
 - iii. Drilled tie bars, if required, shall be considered incidental.
- 100.02 Remove & Replace Curb & Gutter
- a. Unit of measure: Lineal foot in accordance with WDOT 204.4 and WDOT 601.4.
 - b. Payment shall be in accordance with WDOT 204.5 and WDOT 601.5, except that it shall be modified as follows:
 - i. High early strength concrete, if required for construction staging or access, is considered incidental.
 - ii. Drilled tie bars, if required, shall be considered incidental.
- 100.03 Base Aggregate Dense
- a. Unit of measure: Tons in accordance with WDOT 305.4.
 - b. Payment shall be in accordance with WDOT 305.5.
- 100.04 Asphaltic Surface
- a. Unit of measure: Tons in accordance with WDOT 465.4.
 - b. Payment shall be in accordance with WDOT 465.5, except that payment shall include all asphaltic materials and tack coat and shall include removal of the existing pavement and any necessary finish grading and work in preparation for placement of asphaltic surface.

- 100.05 Lawn Restoration
- a. Unit of measure: Square Yard. The measured quantity shall equal the actual number of square yards of topsoil area to the depth specified within the limits of construction designated on the plans, or in the contract, or as the engineer directs.
 - b. Payment shall be a square yard price, for which price shall be full compensation for providing, excavating, loading, hauling and placing the materials; for undercutting excavations, or underfilling embankments necessary to receive the topsoil material; for handling and storing all seed; for providing the required culture and inoculating seed as specified; for preparing the seed bed, sowing, covering and firming the seed; for providing and applying fertilizer; for protecting, and storing mulch on the project; for placing and anchoring the mulch; for preparing the seeded areas; for installing end and junction slots; for repairing and reseeding damaged areas; for providing and applying water; and for disposing of all surplus and waste materials.
- 100.06 Inlet Protection Type C
- a. Unit of measure: Each in accordance with 628.4.
 - b. Payment shall be in accordance with 628.5.
- 100.07 Traffic Control
- a. Unit of measure: Lump Sum
 - b. Payment shall be a lump sum price, for which price shall be full compensation for providing, installing, constructing, assembling, painting, hauling, erecting, maintaining, restoring, moving and removing traffic signs, drums, barricades, and similar traffic control devices; for providing, placing and maintaining all posts, signs, lights, mounting hardware, orange flags, hold down devices, batteries; for providing, applying, and removing pavement markings, unless provided otherwise; and for all labor, tools, equipment, services and incidentals necessary to complete the work.
 - c. Traffic control is anticipated to consist of barrels, barricades, and signs as necessary to close the shoulder or roadway during working hours and to protect the construction zone and restore travel lanes during non-working hours.
- 100.08 Sawing Asphalt and Concrete
- a. Unit of measure: Lineal foot in accordance with 690.4.
 - b. Payment shall be in accordance with 690.5.
- 100.09 Clearing & Grubbing
- a. Unit of measure: Lump Sum
 - b. Payment shall be in accordance with 201.5.

Storm Sewer Items

- 200.01 Storm Sewer Pipe PVC SDR-35 4-Inch
- a. Unit of measure: Lineal foot.
 - b. Payment shall be in accordance with WDOT 608.4 and 608.5 except that payment shall be full compensation for all materials, backfill, equipment, tools, labor, and incidentals necessary to complete the connection to existing pipe including Fernco or equal couplings, PVC fittings, and/or coring of mainline storm sewer pipe, installation of InsertaTee or Kor-N-Tee, caps and posts at termination points, and for riser to existing ground at property. The use of native backfill is allowable outside of the road right-of-way.
 - c. Installation methods including the use of a mini-excavator, trenching machine, boring machine or other alternative method, if required to minimize disturbance during lateral installation, is considered incidental.
- 200.02A Storm Sewer Pipe RCP Class III-12-Inch
- a. Unit of measure: Lineal foot in accordance with WDOT 608.4.
 - b. Payment shall be in accordance with WDOT 608.5.
- 200.02B Storm Sewer Pipe Corrugated Polypropylene-12-Inch
- a. Unit of measure: Lineal foot in accordance with WDOT 608.4.
 - b. Payment shall be in accordance with WDOT 608.5.
- 200.03 Manholes 4-FT Diameter w/ Casting
- a. Unit of measure: Each in accordance with WDOT 611.4.
 - b. Payment shall be in accordance with WDOT 611.5, except that it shall include supplying and installing the casting and necessary adjustment rings.
- 200.04 Doghouse Manholes 4-FT Diameter w/ Casting
- a. Unit of measure: Each in accordance with WDOT 611.4.
 - b. Payment shall be in accordance with WDOT 611.5, except that it shall include supplying and installing the casting and necessary adjustment rings; for providing and installing concrete base, manhole sections, and cone or flat top slab; for providing materials and constructing concrete bench; for sawing and removing of existing pipe within manhole; and for all labor, tools, equipment, services and incidentals necessary to complete the work.

Sanitary Sewer Items

- 300.01-.02 Sanitary Sewer Pipe PVC SDR-35 (Size)
- a. Unit of measure: Lineal Foot
 - b. Pay measurement shall be in accordance with Section 2.9.3 of WS&W, and shall include excavation, bedding, backfill materials, caps and posts at termination points, and all equipment, tools, labor, and incidentals necessary to complete the work.
 - c. Installation methods including the use of a mini-excavator, trenching machine, boring machine or other alternative method, if required to minimize disturbance during lateral installation, is considered incidental.
- 300.03 Sanitary Sewer Manhole w/ Casting
- a. Unit of measure: Each
 - b. Pay measurement shall be made at the contract unit price each structure, including frame and cover, chimney seal, HDPE adjusting rings, steps, and all equipment, tools, labor, and incidentals necessary to complete the work.
- 300.04 Sanitary Doghouse Manholes 4-FT Diameter w/ Casting
- a. Unit of measure: Each
 - b. Payment shall be made at the contract unit price each structure, including frame and cover, chimney seal, HDPE adjusting rings, steps; for providing and installing concrete base, manhole sections, and cone or flat top slab; for providing materials and constructing concrete bench; for sawing and removing of existing pipe within manhole; and for all labor, tools, equipment, services and incidentals necessary to complete the work.

Water Main Items

- 400.01 Removing Hydrant
- a. Unit of measure: Each
 - b. Payment shall be full compensation for removing existing hydrant and for all equipment, tools, labor and incidentals necessary to complete the work under this item.
 - c. Hydrants designated on the plans to be salvaged are the property of the Village of Jackson.
- 400.02 Removing Valve
- a. Unit of measure: Each
 - b. Payment shall be full compensation for removing existing valve and for all equipment, tools, labor and incidentals necessary to complete the work under this item.
 - c. Valves designated on the plans to be salvaged are the property of the Village of Jackson.

- 400.03-05 Hydrant Extension (Size)
- a. Unit of measure: Each
 - b. Payment shall be full compensation for supply and installing the hydrant extension listed on the plans and for all equipment, tools, labor and incidentals necessary to complete the work under this item.
- 400.06 Connect to Existing Water Valve
- a. Unit of measure: Each
 - b. Payment shall be full compensation for furnishing and installing necessary fittings and materials to connect to existing water main at location designated on the plans or in the field as directed by the ENGINEER. Such payment shall include full compensation for all equipment, tools, labor and incidentals necessary to complete the work under this item.
- 400.07-.09 Water Main Pipe (Type) (Size)
- a. Unit of measure: Lineal Foot
 - b. Payment shall extend from the spigot or cut end to the base of hub or bell end of the installed main, and shall include excavation, all necessary bedding and backfill materials, connection to existing water main; and all equipment, tools, labor, and incidentals necessary to complete the work.
- 400.10 Water Main Pipe HDPE 1 ¼-Inch
- a. Unit of measure: Lineal Foot
 - b. Payment shall be in accordance with Section 2.9.9 of WS&W, and shall include all components of the water service for the respective size designated on the plans, including all excavation, bedding, backfill, taps, connections, tracer wire, fittings, valve stops and boxes, caps and posts at termination points, and for furnishing all labor, tools, equipment, and incidentals necessary to complete the work in accordance to the contract.
 - c. Installation methods including the use of a mini-excavator, trenching machine, boring machine or other alternative method, if required to minimize disturbance during lateral installation, is considered incidental.
- 400.11-.13 Water Gate Valve (Size)
- a. Unit of measure: Each
 - b. Payment shall include furnishing and setting of the valve and valve box utilizing a Valve Box Adaptor II as manufactured by Adaptor, Inc., all necessary bedding and backfill materials, and all equipment, tools, labor, and incidentals necessary to complete the work.

- 400.14-.19 Water Main Fittings (Type & Size)
- a. Unit of measure: Each
 - b. Payment shall be full compensation for furnishing and installing fitting at location designated on the plans or in the field as directed by the ENGINEER. Such payment shall include full compensation for all equipment, tools, labor and incidentals necessary to complete the work under this item.
- 400.20 Water Hydrant
- a. Unit of measure: Each
 - b. Payment shall be in accordance with Section 2.9.7 of WS&W, except that payment shall include the cost for providing and installing a Valco tracer wire access box, and all equipment, tools, labor, and incidentals necessary to complete the work under this item.
- 400.21 Polystyrene Insulation 4-Inch
- a. Unit of measure: Square foot
 - b. Payment shall be a square foot price and shall be in accordance with WS&W 8.50.2, except that payment shall include the cost of all equipment, tools, labor and incidentals necessary to complete the work under this item.
- 400.22 Water Main Temporary 6-Inch
- a. Unit of measure: Lump Sum
 - b. Payment shall be a lump sum price and shall include the cost of all equipment, tools, labor and incidentals necessary to complete the work under this item.

INCIDENTAL CONSTRUCTION

- A. All work necessary to complete the project in accordance with the plans and contract, and not specifically accounted for in any other bid item, shall be considered incidental to the other bid items. The CONTRACTOR shall include the cost to provide the work in his separate unit prices and shall not be paid separately for these items.

PART 2 – PRODUCTS

Not used.

PART 3 – EXECUTION

Not used.

END OF SECTION

SECTION 01039

COORDINATION AND MEETINGS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Coordination.
- B. Field engineering.
- C. Preconstruction conference.
- D. Progress meetings.

1.02 RELATED SECTIONS

- A. Section 01011 - Summary of Project.

1.03 COORDINATION

- A. Coordinate scheduling, submittals, and Work of various Sections of specifications to assure efficient and orderly sequence of installation of interdependent construction elements, with provisions for accommodating items installed later.
- B. Coordinate construction with the other CONTRACTORS and OWNER.
- C. All CONTRACTORS shall have e-mail.

1.04 FIELD ENGINEERING

- A. OWNER shall establish reference points and provide layout construction.
- B. OWNER shall provide the following layout:
 - 1. One stakeout of storm sewer.
 - 2. One stakeout of sanitary sewer.
 - 3. One stakeout of water main.

CONTRACTOR is responsible for all field engineering in addition to the field engineering provided by OWNER as necessary to complete the Work.

If stakes and boards have to be reset because of negligence of CONTRACTOR, CONTRACTOR shall bear the cost of such work.

1.05 PRECONSTRUCTION CONFERENCE

- A. ENGINEER will schedule, conduct and prepare meeting minutes for a preconstruction conference.
- B. Attendance Required: OWNER, ENGINEER and CONTRACTORS.
- C. Agenda:
 - 1. Execution of OWNER-CONTRACTOR Agreement, if not completed.
 - 2. Submission of executed bonds and insurance certificates, if not completed.
 - 3. Distribution of Contract Documents.
 - 4. Submission of list of Subcontractors, list of products, Schedule of Values, and progress schedule, if not completed.
 - 5. Designation of personnel representing the parties in Contract, and the ENGINEER.
 - 6. Procedures and processing of field decisions, submittals, substitutions, applications for payments, proposal request, Change Orders and Contract closeout procedures.
 - 7. Record Drawing responsibilities.
 - 8. Scheduling.
 - 9. Scheduling activities of OWNER.
 - 10. Contract and alternates summary of work of all contracts.
 - 11. Other business relating to work.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 01400

QUALITY CONTROL

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Quality assurance and control of installation.
- B. Reference Standards.
- C. Field samples.
- D. Inspection and testing laboratory services.
- E. Manufacturers' field services and reports.

1.02 QUALITY ASSURANCE AND CONTROL OF INSTALLATION

- A. Monitor quality control over suppliers, manufacturers, Products, services, site conditions, and workmanship, to produce Work of specified quality.
- B. Comply fully with manufacturers' instructions, including each step in sequence.
- C. Should manufacturers' instructions conflict with Contract Documents, request clarification from ENGINEER before proceeding.
- D. Comply with specified standards as minimum quality for Work except when more stringent tolerances, codes, or specified requirements indicate higher standards or more precise workmanship.
- E. Perform work by persons qualified to produce workmanship of specified quality.
- F. Secure Products in place with positive anchorage devices designed and sized to withstand stresses, vibration, physical distortion or disfigurement.

1.03 REFERENCE STANDARDS

- A. Conform to reference standard by date of issue current on date for receiving bids.
- B. Obtain copies of standards when required by Contract Documents.
- C. Should specified reference standards conflict with Contract Documents, request clarification from ENGINEER before proceeding.

- D. Contractual relationship of parties to Contract shall not be altered from Contract Documents by mention or inference otherwise in any reference document.

1.04 FIELD SAMPLES

- A. Install field samples at site as required by individual specifications Sections for review.
- B. Acceptable samples represent a quality level for Work.
- C. Where field sample is specified in individual Sections to be removed, clear area after field sample has been accepted by ENGINEER.

1.05 INSPECTION AND TESTING LABORATORY SERVICES

- A. OWNER will appoint and employ services of an independent firm to perform testing.
- B. The independent firm will perform tests and other services specified in individual specification Sections and as required by the ENGINEER.
- C. Testing and source quality control may occur on or off the Work Site. Perform off-site testing as required by the ENGINEER.
- D. Reports will be submitted by the independent firm to the OWNER, ENGINEER and CONTRACTOR, indicating observations and results of tests and indicating compliance or non-compliance with the Contract Documents.
- E. Cooperate with independent firm; furnish samples of materials, design mix, equipment, tools, storage, safe access, and assistance with incidental labor as requested. Notify ENGINEER and independent firm as requested 48 hours prior to expected time for operations requiring services. Make arrangements with independent firm and pay for additional samples and tests required for CONTRACTOR'S use.
- F. Re-testing required because of non-conformance to specified requirements shall be performed by the same independent firm on instructions by the ENGINEER. Payment for re-testing will be charged to the CONTRACTOR by deducting testing charges from the Contract sum.

1.06 MANUFACTURERS' FIELD SERVICES AND REPORTS

- A. Submit qualifications of observer to ENGINEER 10 days in advance of required observations. Observer subject to approval of Engineer.

- B. When specified in individual specification Sections, require material or Product suppliers or manufacturers to provide qualified staff personnel to observe site conditions, conditions of surfaces and installation, quality of workmanship, start-up of equipment, test, adjust, and balance of equipment and as applicable, and to initiate instructions when necessary.
- C. Individuals to report observations and site decisions or instructions given to applicators or installers that are supplemental or contrary to manufacturers' written instructions.
- D. Submit report in duplicate within 20 days of observation to ENGINEER for review.

PART 2 - PRODUCTS

Not used.

PART 3 - EXECUTION

Not used.

END OF SECTION

SECTION 01700

CONTRACT CLOSEOUT

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Closeout procedures.
- B. Final cleaning.
- C. Adjusting.
- D. Project record documents.
- E. Warranties.

1.02 CLOSEOUT PROCEDURES

- A. Submit written certification that Contract Documents have been reviewed, Work has been inspected, and that Work is complete in accordance with Contract Documents and ready for ENGINEER's inspection.
- B. Provide submittals to ENGINEER and OWNER that are required by governing or other authorities.
- C. Submit final Application for Payment identifying total adjusted Contract Sum, previous payments, and sum remaining due.

1.03 FINAL CLEANING

- A. Execute final cleaning prior to final inspection.
- B. Clean site; sweep paved areas, rake clean landscaped surfaces.
- C. Remove waste and surplus materials, rubbish, and construction facilities from site.

1.04 ADJUSTING

- A. Adjust operating products and equipment to ensure smooth and unhindered operation.

1.05 PROJECT RECORD DOCUMENTS

- A. Maintain on site, one set of the following record documents; record actual revision to Work:
 - 1. Contract Drawings.
 - 2. Specifications.
 - 3. Addenda.
 - 4. Change Orders and other Modifications to Contract.
 - 5. Reviewed shop drawings, product data, and samples.
- B. Store Record Documents separate from documents used for construction.
- C. Record information concurrent with construction progress.
- D. Specifications: Legibly mark and record at each Product section description of actual Products installed, including following:
 - 1. Manufacturer's name and product model and number.
 - 2. Product substitutions or alternates utilized.
 - 3. Changes made by Addenda and Modifications.
- E. Record Documents and Shop Drawings: Legibly mark each item to record actual construction including:
 - 1. Measured depths of foundations in relation to finish first floor datum.
 - 2. Measured horizontal and vertical locations of underground utilities and appurtenances, referenced to permanent surface improvements.
 - 3. Measured locations of internal utilities and appurtenances concealed in construction, referenced to visible and accessible features of Work.
 - 4. All changes and revisions, including change orders, to Drawings.
 - 5. Details not on original Contract Drawings.
- F. Submit documents to ENGINEER with claim for final Application for Payment.

1.06 WARRANTIES

- A. CONTRACTOR shall provide warranties beyond project one-year warranty as required by technical sections and as follows.
- B. Submit warranty information as follows:
 - a. Provide notarized copies.
 - b. Execute and assemble transferable warranty documents from subcontractors, suppliers, and manufacturers, and provide Table of Contents and assemble in three-ring binder with durable cover.
 - c. Submit with request for certificate of Substantial Completion.

- d. For items of work delayed beyond date of Substantial Completion, provide updated submittal within 10 days after acceptance listing date of acceptance as start of warranty period.

PART 2 - PRODUCTS

Not Used

PART 3 - EXECUTION

Not Used

END OF SECTION

SECTION 02000

SPECIAL PROVISIONS

2018 Utility Improvements – Miscellaneous Streets

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SPECIAL PROVISIONS

1. General

All references in these special provisions to department shall refer to Village of Jackson or their representatives.

Perform the work under this contract for the construction of utility improvements in the Village of Jackson, Washington County, Wisconsin as the plans show and execute the work as specified in the State of Wisconsin, Department of Transportation, Standard Specifications for Highway and Structure Construction, Latest Edition, as published by the department (hereinafter referred to as WDOT), these special provisions, the Village of Jackson Standard Specifications, and the Standard Specifications for Sewer and Water Construction in Wisconsin, Latest Edition.

All items not specifically shown on the plans or within the special provisions shall be considered incidental to other items in the contract.

2. Scope of Work

The work under this contract shall consist of base aggregate dense, asphaltic surface, storm sewer, sanitary sewer, water main, mobilization, restoration, sawing, finishing and all incidental items necessary to complete the work as shown on the plans and included in the proposal and contract.

3. Prosecution and Progress

Begin work within 10 calendar days after issued a written notice to proceed.

Contract Time for Completion

Work along CTH P must be completed no later than May 11, 2018.

Work along Stonehedge Drive, Sherman Road and Highland Drive must be completed no later than August 31, 2018.

4. Hours of Operation

CONTRACTOR shall request permission from the Village at least two days prior to performing any work prior to 7:00 A.M., or later than 7:00 P.M., or on Saturdays, Sundays, or legal holidays. In the event of no inspector being available, excessive noise, traffic, or other disruption, the ENGINEER shall have the sole right to order the discontinuance of work during the above times.

5. Information to Bidders – Sales Tax Exemption

2015 Wisconsin Act 126, which allows contractors to purchase construction materials on behalf of their tax exempt clients without paying the sales tax, took effect on January 1, 2016. Contractors are urged to utilize the provisions of Act 126 for all applicable materials for this project.

6. Information to Bidders –Permits

The Village of Jackson has applied for a Water Main Extension Permit and Sanitary Sewer Extension Permit through the Wisconsin Department of Natural Resources (WDNR). Approval by WDNR is pending.

The Village of Jackson has applied for a Washington County Permit for work along CTH P. Approval by Washington County is pending.

The contractor shall keep a copy of the permits on site, and shall comply with the conditions of the permit in addition to the requirements of the special provisions throughout construction.

7. Traffic Control

CTH P and Sherman Road shall remain open to through traffic at all times. Stonehedge Drive, Hickory Lane and Highland Road may be closed to through traffic during working hours. After completion of daily work, roadway will be open to through traffic. Maintain emergency vehicle access within the project limits at all times. Maintain access to driveways at all times, with the exception of when installing mainline pipe. Provide adjacent residents or business owners a 24 hour notice before closing driveway access for any length of time greater than 30 minutes.

All traffic control shall be in accordance with WDOT sections 643.2 and 643.3, the Manual on Uniform Traffic Control Devices, and these plans and specifications.

8. Construction Traffic/Haul Roads

No construction traffic will be allowed to utilize local roadways. The haul routes for the projects shall utilize CTH P, STH 60, Sherman Road, Hickory Lane, Eagle Drive, Highland Road and Jackson Drive unless alternate routes are approved by the Village of Jackson.

9. Utilities

Underground and overhead utility facilities are located within the project limits. Utility adjustments are not anticipated for this project. Coordinate construction activities with a call to Diggers Hotline or a direct call to the utilities that have facilities in the area as required per Wisconsin state statutes. Use caution to insure the integrity of underground facilities and maintain code clearances from overhead facilities at all times.

Contact each utility company listed in the plans, prior to preparing bids, to obtain current information on the status of existing and any new utility relocation work.

10. Tree Root Cutting

All existing trees adjacent to curb and gutter, sidewalk, and driveways will remain. The contractor shall use caution during construction to prevent unnecessary damage to the tree or its root system.

All root cutting shall be done in a manner which provides a smooth, clean cut. Root removal/cutting with excavation equipment is prohibited. It is preferred that all root cutting be done prior to excavation. When root cutting prior to excavation is not possible, roots shall be carefully exposed and cut smooth. Crushing of the root system with excavation equipment is prohibited.

The contractor will be responsible for cutting and removing all tree roots to a point three (3) inches below subgrade.

The root systems along the sidewalks and driveways shall be cut no more than 5" from the edge of the new walk or driveway.

The root system on the curbside shall be cut no more than 12" behind the back edge of the new curb.

The cost of cutting and removing the tree roots shall be incidental to other bid items, where tree root cutting and removal is required for that particular bid item.

11. Protection of Concrete

Subsection 415.5.14 of the WisDOT standard specifications is supplemented as follows:

The contractor shall provide for a minimum of one concrete finisher to remain on the project site after final finishing of all concrete surfaces until such time as the concrete has hardened sufficiently to resist surface scarring caused by footprints, handprints or any other type of imprint, malicious or otherwise. The finisher shall actively and continuously patrol on foot the newly placed concrete and repair any damage to the surface that might be sustained as described above.

The cost for providing the finisher(s), the necessary equipment, and materials shall be construed to be included in the contract unit price for each concrete item.

12. Material Disposal Sites

All locations and permits for material disposal sites shall be the responsibility of the contractor. All costs associated with material disposal sites, including, but not limited to, erosion control, fertilizing, and seeding shall be considered incidental to other items.

13. Construction Staking

All construction staking required for the project shall be completed by Gremmer & Associates, Inc. Contractor shall notify Jay Panetti at 920-924-5720 (office) or 920-539-3316 (cell) a minimum of 3 working days prior to required staking to be completed.

14. Property Corner Monuments

All existing property corners shall be maintained during construction. Any property irons disturbed during construction shall be restored by the contractor at their expense.

15. Temporary Utilities

Contractor shall pay all costs of electricity, telephone services, and sanitary facilities which they require.

16. Drainage

Contractor shall provide for the flow of existing surface drainage in existing sewer, water courses, culverts, gutters, catch basins, drains, etc., which are affected by the prosecution of the work. Any diversion of existing water courses shall be done solely on the land of the Owners unless proper rights for diversion on other land have been procured.

Excessive ponding due to grading shall be avoided. Temporary facilities shall be provided by the Contractor to handle "trapped" water until such time that permanent drainage facilities are constructed.

17. Street Sweeping

Remove dirt and dust particles from the roadway and impacted adjacent roadways using a street sweeper periodically during the project as directed by the engineer. Provide a self-contained mechanical or air conveyance street sweeper and dispose of the accumulated material. Street sweeping shall be considered incidental to other bid items.

18. Water

Water will not be paid for as a separate bid item. Contractor shall provide and pay for all costs associated with water required for grading, excavating, backfilling, compacting and erosion control.

19. Mobilization

Mobilization will not be paid for as a separate bid item. All costs associated with mobilization for the project shall be considered incidental to other items.

20. Mailboxes

Contractor shall be responsible for the removal and re-installation of mailboxes along the project in accordance with the United States Postal Service regulations. Contractor shall replace any mailboxes damaged during the removal and re-installation process. Temporary mailboxes shall be installed as required to allow for uninterrupted mail delivery to residents along the project. All work associated with the removal and installation of temporary and permanent mailboxes shall be considered incidental to the project.

21. Street Signs

All signs impacted by construction shall be temporarily relocated or removed and stockpiled for pick-up by the Village of Jackson. Any signs or posts damaged by construction activities will be replaced by the contractor at no cost to the Village. Reinstallation, if required, will be completed by the Village of Jackson prior to streets being opened to traffic.

22. Base Aggregate Dense

Base aggregate dense shall be virgin crushed stone in accordance with WDOT 305.2.1 and shall be approved by the on-site engineer prior to placement. Recovered asphalt and/or concrete will not be allowed for the project.

Base aggregate dense shall be ¾-Inch under sidewalks and for gravel driveways and shall be 1 ¼-Inch under asphaltic surface pavement and driveways.

23. Lawn Restoration

A Description

In accordance with WDOT 625.1, 627.1, 629.1, and 630.1 and as hereinafter described at the locations shown in the plan.

B Materials

Provide materials in accordance WDOT 628.2, 629.2, and 630.2 except as follows: Mulch shall be straw or hay conforming to 627.2. Fertilizer shall be WDOT Type B conforming to 629.2. Seed shall be WDOT seed mix No. 40 conforming to 630.2.

Topsoil shall be loam, sandy loam, silt loam, silty clay loam, or clay loam humus bearing soils adapted to sustain plant life with a minimum organic content of 5% and a pH between 6.0 and 7.0. Topsoil shall be pulverized and screened prior to placement

and contain no clods larger than one inch in diameter and be free of lumps, stones, sticks or any other foreign material.

C Construction

In accordance with WDOT 625.3, 627.3, 629.3, and 630.3 except as follows:

Spread topsoil to a minimum depth of 4-inches. Top dressing of the existing terrace may be allowed at the discretion of the Village of Jackson and on-site engineer based on the condition of the terrace after construction of the roadway, utilities, and sidewalk.

24. Storm Sewer

A Description

Furnish and install new storm sewer in accordance with the plans, WDOT, the Village of Jackson Standard Specifications (attached), and the following specifications.

B Materials

In accordance with WDOT and the Village of Jackson Standard Specifications, except as follows:

Trench backfill within the right-of-way of Stonehedge Drive shall be granular backfill in conformance with Section 8.43.4 of WS&W. Trench backfill outside of the right-of-way of Stonehedge Drive may be native backfill.

Storm Sewer Pipe PVC SDR-35 4-Inch shall be PVC, conforming to ASTM D3034, SDR-35, with rubber gasketed joints.

Storm Sewer Pipe Corrugated Polypropylene 12-Inch shall be HP Storm Dual Wall as manufactured by Advanced Drainage Systems, Inc. (ADS) or approved equal.

Storm sewer lateral connections to mainline pipe shall be made utilizing a watertight flexible tee such as Inserta Tee, Kor-N-Tee, or approved equal.

C Construction

In accordance with WDOT and the Village of Jackson Standard Specifications.

25. Sanitary Sewer

A Description

Furnish and install new sanitary sewer in accordance with the plans, WDOT, the Village of Jackson Standard Specifications (attached), and the following specifications.

B Materials

In accordance with WDOT and the Village of Jackson Standard Specifications, except as follows:

Trench backfill for all work along Highland Road and from the Hickory Lane right-of-way line to the east and under all driveways shall be granular backfill in conformance

with Section 8.43.4 of WS&W. Trench backfill from the Hickory Lane right-of-way line to the west, excluding under all driveways, may be native backfill.

Sanitary sewer lateral connections to new mainline pipe shall be made utilizing a fabricated wye.

Sanitary sewer lateral connections to existing concrete mainline pipe shall be made utilizing a watertight flexible tee such as Inserta Tee, Kor-N-Tee, or approved equal.

C Construction

In accordance with Village of Jackson Standard Specifications, except as follows:

All granular backfill material shall conform to Section 8.43.2 thru 8.43.7 of the WS&W. All trench granular backfill shall be $\frac{3}{4}$ Inch Graded Crushed Stone as specified in table 39, Section 8.43.7 of the WS&W.

All backfill shall be consolidated by mechanical compaction in accordance with Section 2.6.14 of WS&W. All trenches in roadways shall be compacted to 95% of Standard Proctor dry density.

26. Water Main

A Description

Furnish and install new sanitary sewer in accordance with the plans, WDOT, the Village of Jackson Standard Specifications (attached), and the following specifications.

Furnish and install a temporary water main to maintain service to users. Users consist of St. Joseph Hospital, Washington County Fair Park and residential customers which require 24-hour service.

B Materials

In accordance with WDOT and the Village of Jackson Standard Specifications, and as follows:

Trench backfill for all work along CTH P and Highland Road shall be granular backfill in conformance with Section 8.43.4 of WS&W.

For PVC water mains, a shell-type cutter with multiple cutting teeth shall be used for tapping service connections, as follows:

- A. Corporation stops shall not be located closer than one (1) foot from pipe joints. Insertions on opposite sides of the main, shall be separated by a minimum of one (1) foot. Insertions on one side of the main shall be staggered and separated by a minimum of one (1) foot.
- B. Teflon tape shall be placed on the corporation stop threads prior to installation.

Water services shall be high density polyethylene tubing.

Hydrants shall be Waterous Pacer Model WB-67.

All materials furnished for use as part of the temporary water main shall be in conformance with the American National Standards Institute/National Sanitation Foundation Standard 61 (ANSI/NSF Standard 61).

Temporary water main shall be PVC, HDPE, or steel and shall be specifically designed and utilized for the delivery of potable water.

C Construction

In accordance with WDOT and the Village of Jackson Standard Specifications, and as follows:

Pressure testing and leakage testing in accordance with Section 4.15.2 and 4.15.3 of the State Specification shall be conducted by the Contractor under the observation of the Inspector. Test results shall be supplied directly to the Village.

An air release assembly, in accordance with Section 4.12.1 of the State Specification, or hydrant, shall be installed at all high points in water mains and at testing points.

All granular backfill material shall conform to Section 8.43.2 thru 8.43.7 of the WS&W. All trench granular backfill shall be $\frac{3}{4}$ Inch Graded Crushed Stone as specified in table 39, Section 8.43.7 of the WS&W.

All backfill shall be consolidated by mechanical compaction in accordance with Section 2.6.14 of WS&W. All trenches in roadways shall be compacted to 95% of Standard Proctor dry density.

All valves, hydrants, and special fittings shall be supported in a vertical position on a solid concrete block or concrete support.

Adjusting water valves and curb stops will not be paid for as a separate bid item. All costs associated with adjusting water valves and curb stops for the project shall be considered incidental to other items. Contractor shall verify valve and curb stop boxes are centered over valve/curb stop and in good condition free of any cracks or defects prior to restoration operations. Additional and replacement valve and curb stop box sections, if required, shall be furnished and installed at no additional cost to the Village of Jackson.

The Contractor shall provide a temporary water main plan to the Owner and Engineer for review and approval a minimum of 7 days prior to water shutdown of utilization of temporary water service.

It is anticipated that the temporary water main will extend from the existing hydrant located at the intersection of CTH P and Northwest Passage to the new hydrant to be installed at the intersection of CTH P and Cedar Creek Road.

The temporary water main shall meet a pressure test and safe water sample before being utilized.

Crossings of driveways shall be installed in a trench or ramped and shall not block or otherwise impede access.

The Contractor shall submit the name and phone number of a contact person and at least one alternate who shall be available on a twenty-four (24) hour basis for repair and/or maintenance of the temporary water system.

Contractor is responsible to contact the Jackson Water Utility, and give 24 hour notice of any water system or service outage. The water utility staff will operate all valves.

Village of Jackson

Storm Sewer Specifications

Village of Jackson Storm Sewer Specification

Updated: 3/28/08

1. AMENDMENTS TO STANDARD SPECIFICATIONS

- A. Standard Specifications - The applicable sections of Chapters 2 through 6 inclusive of the "Standard Specifications for Sewer and Water construction in Wisconsin:" Latest Published Edition, and State of Wisconsin Dept. of Transportation Standard Specifications for Road and Bridge Construction, 1996 Edition shall apply to all Work and Material under this project with the exception that such specifications are modified and/or supplemented as set forth in these Special Provisions.
- B. Permit Conditions
 - 1. In the event blasting is required, contractor shall obtain all necessary permits including, but not limited to, State of Wisconsin, Department of Commerce.

2. STORM SEWER

A. Pipe Materials

- 1. The pipe material used on the project shall be as shown on the plans. All storm sewer pipes, including catch basin leads, shall be at a minimum Class III ASTM C-76 reinforced concrete pipe (or Class HE-II minimum ASTM C-507 for elliptical Reinforced Concrete Pipe as specified in Chapter 8.6.0, Reinforced Concrete Pipe, of the Standard Specifications. Storm sewer pipe shall have rubber gaskets at all joints. Other pipe material may be allowed by written approval of the Village Engineer.

B. Bedding, Cover and Backfill Materials

- 1. Bedding materials - Class "C" (Standard Section) bedding as specified in Section 3.2.6, Pipe Sewer Bedding Sections, and File No. 3, Part VII, of the Standard Specifications shall be used. Bedding materials shall be crushed stone chips as specified in Section 8.43.2, Bedding Materials, of the Standard Specifications. Upon approval by the Village Engineer, ¾-inch clean, washed, sound and durable crushed stone or ¾-inch crushed stone chips as specified in Chapter 8.43.6 of the Standard Specifications can be used for water main pipe 18 inch or less in diameter.

2. Cover Materials - Cover materials used shall be Crushed Stone Chips as specified in Section 8.43.3, Bedding Materials, and file No. 4, Part VII, of the Standard Specifications.
3. Backfill Materials
 - a. Backfill Materials - Unless otherwise noted on the plans, all trenches shall be backfilled with Granular Backfill as specified in Chapter 8.43.4 of the Standard Specifications.
 - b. Where spoil backfill is allowed, material used shall be select excavated materials subject to the requirements of Chapter 8.43.5, Excavated Materials Used as Backfill, of the Standard Specifications. In area(s) where excavated material(s) are determined to be not acceptable, in the judgment of the Village Engineer, then previously specified imported backfill material will be required.

C. Consolidation of Backfill

1. All backfill shall be consolidated by Mechanical compaction as specified in Chapter 2.6.14(b), Consolidation of Backfill, of the Standard Specifications.
2. The 12-inch crushed stone base course shall be placed within one (1) week following trench consolidation.
3. At the end of the working day, open excavations shall not exceed twenty-five feet (25') in length. All open trenches shall be barricaded off or steel plated.

D. Testing of Storm Sewer

1. All mainline storm sewers shall be required to conform to Chapter 3.2.4, of the Standard Specifications. Visible beam lamping will be used to identify the uniformity of bore.

E. Payment

1. The payment measure shall be at the unit bid price per linear foot measured horizontally, as provided for in the Proposal and in accordance with Chapter 2.8.1, Pay Measurement for Sewers and Drains, of the Standard Specifications.

3. **STORM CATCH BASINS AND MANHOLES**

A. **Catch Basins**

1. Catch basins shall be constructed in accordance with the standard detail of the Village of Jackson and Chapter 3.6.0. Catch basins in pavement areas shall have a 12-inch sump.
2. The excavation at the catch basin shall be backfilled with 1 inch crushed stone chips to the base course of the pavement.

B. **Concrete Structures**

1. Structures shall generally be constructed in accordance with the File Drawings presented in the Standard Specifications. Due to the low vertical height in some structures it may be necessary to use solid manhole block to build the structures. Only chloride resistant block will be allowed.

C. **Frames and Grates**

1. Castings
 - a. Inlet castings shall be Neenah R-3246-A, Neenah R-1550A, and MS Type Grate as shown on the plans. Field grates shall be R-4342, placed on a 24-inch diameter Reinforced Concrete Pipe, with a 12-inch concrete base.

D. **Catch Basin Chimney**

1. Grade Rings
 - a. Concrete grade rings for building catch basins and storm inlets shall be either 2 or 4 inches high containing a minimum of one NO. 2 reinforcing rod centered within the ring. Rings shall be grooved to receive manhole steps, when applicable. Maximum total chimney height, excluding manhole frame, shall not exceed 12 inches, with a minimum of 4 inches.

E. **Type 9 Inlets**

1. Shall conform to WISDOT specifications for Roads, Bridge Construction and shall include two MS grates.

F. **Payment**

1. Payment shall be by the unit bid price per each structure, which shall include all components specified above.

Village of Jackson

Sanitary Sewer Specifications

Village of Jackson Sanitary Sewer Specification

Updated: 3/27/08

1. AMENDMENTS TO STANDARD SPECIFICATIONS

- A. Standard Specifications - The applicable sections of Chapters 2 through 6 inclusive of the "Standard Specifications for Sewer and Water construction in Wisconsin:" Latest Published Edition, and State of Wisconsin Dept. of Transportation Standard Specifications for Road and Bridge Construction, 1996 Edition shall apply to all Work and Material under this project with the exception that such specifications are modified and/or supplemented as set forth in these Special Provisions.
- B. Permit Conditions
 - 1. In the event blasting is required, contractor shall obtain all necessary permits including, but not limited to, State of Wisconsin, Department of Commerce.

2. SANITARY SEWERS

A. Pipe Materials

- 1. The pipe material used on the project shall be as shown on the plans as specified herein. However, the contractor shall utilize only one type of material for the entire project.
- 2. Polyvinyl Chloride (PVC) Sewer Pipe - All polyvinyl chloride sewer pipe shall be as specified in Chapter 8.10.0, Polyvinyl Chloride Sewer Pipe and Fittings, of the Standard Specifications. All PVC pipe 15 inches in diameter and less shall be SDR-35 conforming to ASTM D-3034 and all PVC pipe 18 inches in diameter and greater shall have a pipe stiffness of 46 PSI conforming to ASTM F-679. Rubber gaskets shall be used as specified in Chapter 8.10.6 Pipe Joints, Rubber Gasket, and in Chapter 8.10.4, Marking, of the Standard Specifications.

All lateral connections shall be fabricated wye connections and all riser connections shall be fabricated tee connections.

B. Bedding, Cover and Backfill Materials

- 1. Bedding materials - Class "B" (compacted section) bedding as specified in Chapter 3.2.6, Pipe Sewer Bedding Sections, and File No. 4, Part VII, of

the Standard Specifications shall be used. Bedding materials shall be Crushed Stone Chip as specified in Chapter 8.43.2, Bedding Materials, of the Standard Specifications.

2. Cover Materials - Cover materials used shall be Crushed Stone Chips as specified in Chapter 8.43.2, Bedding Materials, and file No. 4, Part VII, of the Standard Specifications.
3. Backfill Materials
 - a. Backfill Materials - Unless otherwise noted on the plans, all trenches shall be backfilled with Granular Backfill as specified in Chapter 8.43.4 of the Standard Specifications. Upon approval by the Village Engineer, ¾-inch clean, washed, sound and durable crushed stone or ¾-inch crushed stone chips as specified in Chapter 8.43.4 of the Standard Specifications can be used for sanitary sewer pipe 18 inch or less in diameter.
 - b. Where spoil backfill is allowed, material used shall be select excavated materials subject to the requirements of Chapter 8.43.5, Excavated Materials Used as Backfill, of the Standard Specifications. In area(s) where excavated material(s) are determined to be not acceptable, in the judgment of the Village Engineer, then previously specified imported backfill material will be required.

C. Consolidation of Backfill

1. All backfill shall be consolidated by Mechanical Compaction as specified in Chapter 2.6.14(b), Consolidation of Backfill, of the Standard Specifications.
2. The roadway gravel base course shall be placed within one (1) week following trench consolidation.
3. At the end of the working day, open excavations shall not exceed twenty-five feet (25') in length.

D. Installed Pipe Testing

1. **Polyvinyl Chloride Sewer Pipe** - The entire length of the installed PVC main line pipe shall be tested for acceptance with an approved go-no-go acceptance testing device as specified in Chapter 3.2.6(I)(4) for the 5% deflection limit, Deflection Test, and File No. 30, Part VII, of the Standard Specifications.

All PVC sanitary sewers shall be required to pass the low-pressure air test as specified in Chapter 3.7.0, Leakage Test of Sanitary Sewers, and file No. 31, part VII, of the Standard Specifications.

2. **Concrete Sewer Pipe** - All concrete sewer pipe shall be required to pass the low pressure air test as specified in Chapter 3.7.0, Leakage Test of Sanitary Sewers, and File No. 31, Part VII of the Standard Specifications.
3. All main line sanitary sewers shall be required to conform to Chapter 3.2.4, of the Standard Specifications. Visible beam lamping and televising of main will be used to identify uniformity of bore. Line sections not passing this test requirement shall be rejected. The Village Engineer will determine acceptability.

E. Construction Bulkhead

1. Before extending a sanitary sewer, the Contractor shall provide a bulkhead in the existing sewer immediately downstream of the point of connection. This bulkhead shall be left in place until the new sewer has been cleaned of accumulated water and debris and has been accepted. If a rubber plug is used as a bulkhead, then the Contractor's name shall be securely fastened to the plug.

F. Payment

1. The payment measure shall be at the unit bid price per lineal foot measured horizontally, as provided for in the Proposal and in accordance with Chapter 2.8.1, Pay Measurement for Sewers and Drains, of the Standard Specifications.

3. **SANITARY SEWER LATERALS**

A. **Compliance with Codes**

1. All building sewers and water services shall be installed in accordance with the Wisconsin Administrative Code, Section IHLR 82 and all local plumbing codes and regulations, as well as the Standard Specifications.

B. **Notice of Work on Laterals**

1. It shall be the responsibility of the Contractor to notify the property owner and the Engineer at least forty-eight (48) hours in advance of any work performed on service connections.

C. **Pipe Materials**

1. All sanitary laterals shall be constructed of 6-inch diameter polyvinyl chloride (PVC) sewer pipe conforming to the requirements of Chapter 5.3.10, Type of Pipe to be used, of the Standard Specifications. The type of joint to be used shall be rubber gasket conforming to the requirements of Chapter 8.41.4, Gaskets for Polyvinyl Chloride Sewer Pipe, of the Standard Specifications.

D. Laying of Laterals

1. All building sewer laterals shall meet the requirements of Chapter 5.3.0, Laying of Building Sewers and File No. 50, of the Standard Specifications.
2. All lateral trenches shall be backfilled by the end of the working day. Lawn restoration for each lateral shall be completed within seven (7) calendar days after completion of Backfilling Operations. A reasonable adjustment to this restoration requirement may be approved by Engineer with appropriate justification.
3. Each lateral shall be installed to the lot line or as shown on the plans. A marker shall be placed at the end of the lateral as specified in Chapter 5.3.5 of the Standard Specifications. Each lateral shall be provided with a waterproof and leak proof stopper or cap subject to the approval of the Engineer. No solvent weld caps will be allowed.
4. No sewer laterals shall be installed directly into a manhole, unless approved by the Village Engineer.

E. Bedding, Cover and Backfill Materials

1. All bedding and cover materials used shall be as specified for Sanitary Sewers, above.
2. All backfill materials used shall be as specified for Sanitary Sewers, above.

F. Consolidation of Backfill

1. Backfill shall be consolidated as specified for Sanitary Sewers, above.

G. Installed Pipe Testing

1. All sewer laterals shall be tested simultaneously with the main line sewer and shall be required to pass the low pressure air test as specified in Chapter 5.4.3, Low pressure Air Exfiltration Test, and in Chapter 3.7.0, Leakage Test of Sanitary Sewers, of the Standard Specifications.

2. All sewer laterals connecting to manholes and all lateral extensions shall be subject to requirements of visible beam lamping to identify uniformity of bore.

H. Payment

1. Pay measurement shall be at the Unit Price bid per lineal foot measured horizontally and shall include the cost of all necessary permits, all in accordance with Chapter 2.9.2, Pay Measurement for New Building Sewers, of the Standard Specifications.

4. **SANITARY MANHOLES / SAMPLING MANHOLES**

A. **General**

All manholes shall be as specified in Chapter 3.5.0, Manholes, of the Standard Specifications and as hereinafter provided for. Pre-cast manhole sections shall have interior diameters for respective pipe sizes and conform to the following table and Chapter 8.39.0, Pre-cast Reinforced Concrete Manholes, and File No. 12 Part VII, of the Standard Specifications. "Ramnek", Kent Seal or approved equal shall be used for jointing pre-cast manhole sections.

<u>Pipe Diameter</u>	<u>Manhole Diameter</u>
8"-30"	48"
36"	60"
42"	72"

Note: Sampling Manhole shall be 48" diameter.

B. **Pipe to Manhole Connection**

1. All sanitary sewer pipes to manhole connections for PVC or ABS Pipe shall be with an approved flexible, watertight pipe to manhole seal as specified in Chapter 3.57(1)(c), Flexible Connection of Pipe, of the Standard Specifications. "A-Lock" and "Core Seal" boots or approved equal shall be used.
2. All connections for Concrete Pipe to manhole connections shall be with an approved flexible, watertight pipe to manhole seal as specified in Chapter 3.5.7(a), non-flexible connection of Rigid Pipe, of the Standard Specifications.
3. The annular space between non-rigid pipe and the manhole wall shall be plugged with flexible butyl rubber gasket material prior to pouring the

manhole invert and bench to maintain the seal flexibility. The gasket material shall be E-Z Stick or Kent Seal and to be trowel-able grade butyl rubber conforming to AASHTO M-198.

4. Bulkhead(s) for future pipe connections into the manhole shall be accomplished in the manner described by File 13A, Bulkhead for Manhole Wall Opening for Future Connection, Part VII, of the Standard Specifications.

C. Frame/Chimney Seals

All manholes shall be equipped with an internal rubber frame/chimney seal, as specified in Chapter 3.5.4, Watertight Frame/Chimney Seals, of the Standard Specifications.

1. Internal Rubber Frame Seal

- a. Frame seals shall consist of a flexible internal rubber sleeve; interlocking extensions and stainless expansion bands as manufactured by Cretex Specialty Products or a pre-approved equal conforming to the following requirements.
 - b. The seal shall remain flexible throughout a 25-year design life, allowing repeated vertical movement of the frame of not less than 2 inches and/or repeated horizontal movement of not less than ½ inch. The sleeve portion of the seal shall be either double or triple pleated with a minimum unexpanded vertical height of either 8 inches or 10 inches respectively. The sleeve and extension shall have a minimum thickness of 3/16 inches and shall be made from a high quality rubber compound conforming to the applicable requirements of ASTM C-923, with a minimum 1500 psi tensile strength, a maximum 18 % compression set and a hardness (udometer) of 48+/-5. The bands shall be integrally formed from 16 gauge stainless steel conforming to ASTM A-240, Type 304, with no welded attachments, shall have a minimum adjustment range of 2 diameters inches and a positive locking mechanism. Any screws, bolts or nuts used for this mechanism shall be stainless steel conforming to ASTM F-593 and 594, Type 304.
2. In addition to the frame seal, each manhole shall have a triple layer of eight- (8) mil. polyethylene wrap applied around the manhole from the top of the frame to a minimum depth of 84 inches. The wrap shall extend at least 18 inches below the bottom of the corbel section. The wrap may be applied as a bag or wrapped around the manhole in a continuous manner with seams appropriately bonded with waterproof tape.

3. Payment for furnishing and installing the internal rubber sleeves shall be included with the manhole unit price bid.

D. Manhole Chimneys

1. Grade Rings

- a. **No concrete adjusting rings will be allowed, unless otherwise approved by the Village Engineer.** *Concrete grade rings for building manhole chimneys shall be either 2 or 4 inches high and shall contain a minimum of one No. 2 reinforcing rod centered within the ring. Rings shall be grooved to receive manhole steps, when applicable. Maximum total chimney height, excluding manhole frame, shall not exceed 12 inches, with a minimum of 4 inches.*
- b. The Jackson Sewer Utility is requiring in lieu of concrete adjusting rings, all manholes shall utilize the round high-density polyethylene (HDPE) recycled adjusting rings. The manhole adjusting rings shall be molded from high-density polyethylene as defined in ASTM D-1248.
- c. The complete adjustment system utilizing the HDPE rings shall consist of the rings, sealed to the manhole structure, casting frame, and one another by means of an approved butyl sealant. Rings shall be grooved to receive manhole steps, when applicable. Maximum total chimney height, excluding manhole frame, shall not exceed 18 inches, with a minimum of 4 inches.
- d. The contractor shall utilize flat and sloping adjusting ring units to match the required slope an/or elevation of the finish grade.

E. Manhole Frames and Covers

1. Manhole frames and covers shall be as specified in Chapter 3.5.0, Manholes, of the Standard Specifications and conform to Chapter 8.48.0, Manhole and Catch Basin Castings, of the Standard Specifications with locking, non-rocking, solid gasket self-sealing lid, and two (2) concealed pick holes, Neenah R-1550A.

The seating surface shall have a machined dovetail groove into which a one-piece continuous self-seal polyisoprene gasket of 40 durometer rating shall be inserted. The gasket shall be of a composition to provide good sealing qualities, to have a low compression set and be highly abrasion resistant. All new manhole frames and covers shall be made of gray cast iron.

2. Manhole castings designated on the Plans as "bolted covers" shall be Neenah R-1550A Locking Cover Watertight (gasket) Manhole Frames with Bolted Lids or approved equal, having stainless steel bolts.

F. Manhole Steps

1. Manhole steps shall be as specified in Chapter 3.5.0, Manholes, of the Standard Specifications and conform to Chapter 8.40.0, Manhole Steps, and File No. 15, Part VII, of the Standard Specifications. Manhole Steps shall be made of 3/8" diameter steel reinforcing rod with molded plastic covering. Steps shall be placed in the manhole in accordance with File No. 12, Pre-cast Manhole, of the Standard Specifications.

G. Installation

1. Location and grade of manholes shall be as indicated on the Plans in accordance with Chapter 3.5.10, Grades for Setting Manhole Frames, of the Standard specifications. In pavement and gravel shoulder and in finished lawn areas, finished frame grades shall be flush with surface grades. In ditch line and areas subject to regular flooding or ponding, manholes shall be set a minimum of 1.0 foot above existing surface grade or at elevations designated on Plans.
2. All installation of manholes shall be in accordance with applicable portions of Chapter 3.5.0, Manholes, and File No. 12, Part VII, of the Standard Specifications and shall be vacuum tested as per ASTM C-1244.

H. Vaccum Testing of Sanitary Manholes

1. When specified all sanitary manholes, on sewers 15 inches in diameter or smaller, shall be tested for leakage by the vaccum testing equipment, per the Standard Specifications and conform to Chapter 3.7.6.
2. Isolate the manhole to be tested by plugging the inlet and outlet pipes with an inflatable stopper or other suitable test plugs. The plugs shall be securely braced to avoid the plugs from being drawn into the manhole. Plug lift holes with a non-shrink grout.
3. Vaccum test equipment shall be placed at the inside of the top one section, in accordance with the manufacturer's recommendations. Inflate the seal to 40 psi to effect a seal between the base and the manhole. Run vaccum pump until a vaccum of 10 inches of mercury is obtained.
4. With vaccum pump shut off and the valve on the vaccum line of the test head closed, measure the time for the vaccum to drop 9 inches of mercury. The manhole test is acceptable if the time exceeds the values listed in Table 6a.

5. If test fails, repair or seal the manhole using non-shrink grout or other materials that are approved. Retest until an acceptable test is obtained.
6. Test may be conducted before or after backfilling.
7. The cost of the equipment, materials, and labor necessary to perform the testing shall be included in the unit prices bid for vacuum testing.

Table 6a

**Minimum Test Times in Seconds for
48 inch Diameter Manhole**

<u>Depth (ft.)</u>	<u>Time (sec.)</u>
8	20
10	25
12	30
14	35
16	40
18	45
20	50
22	55
24	59
26	64
28	69
30	74

I. Sanitary Sewer Video Taping

1. All newly installed sanitary sewers shall be submitted on Digital Data prior to acceptance, as specified in Chapter 7.1.2, TV Inspection of the Standard Specifications. The contractor shall ensure that all lines are flushed and cleaned prior to DVD recording. DVD recording, which show debris in lines, will not be accepted. The cost of cleaning and videotaping shall be paid for by the Developer or their Contractor. The sewer plug and / or bulkhead shall remain in place throughout the cleaning and video recording process and until final acceptance of the project.

J. Payment

1. Payment for manholes shall be made at the contract unit price per each structure, which shall include all components specified above, for the respective size of manhole designated on the plans or in Section SP 4-A, above.

INTERNAL MANHOLE CHIMNEY SEAL

TECH-DATA

RUBBER SLEEVE

Both the STANDARD 8 $\frac{1}{2}$ inch and WIDE 10 inch sleeves are made of rubber which conforms to the physical requirements of ASTM C-923, as modified, with a minimum $\frac{3}{16}$ inch thickness for durability and resistance to puncturing or tearing. The STANDARD sleeve is double pleated and the WIDE sleeve is triple pleated to provide for a minimum 2 inch vertical or horizontal movement before stretching the material. Flexibility of this material allows one size to fit a frame/chimney diameter range of more than 2 inches.



Cretex
Specialty Products

Physical Properties

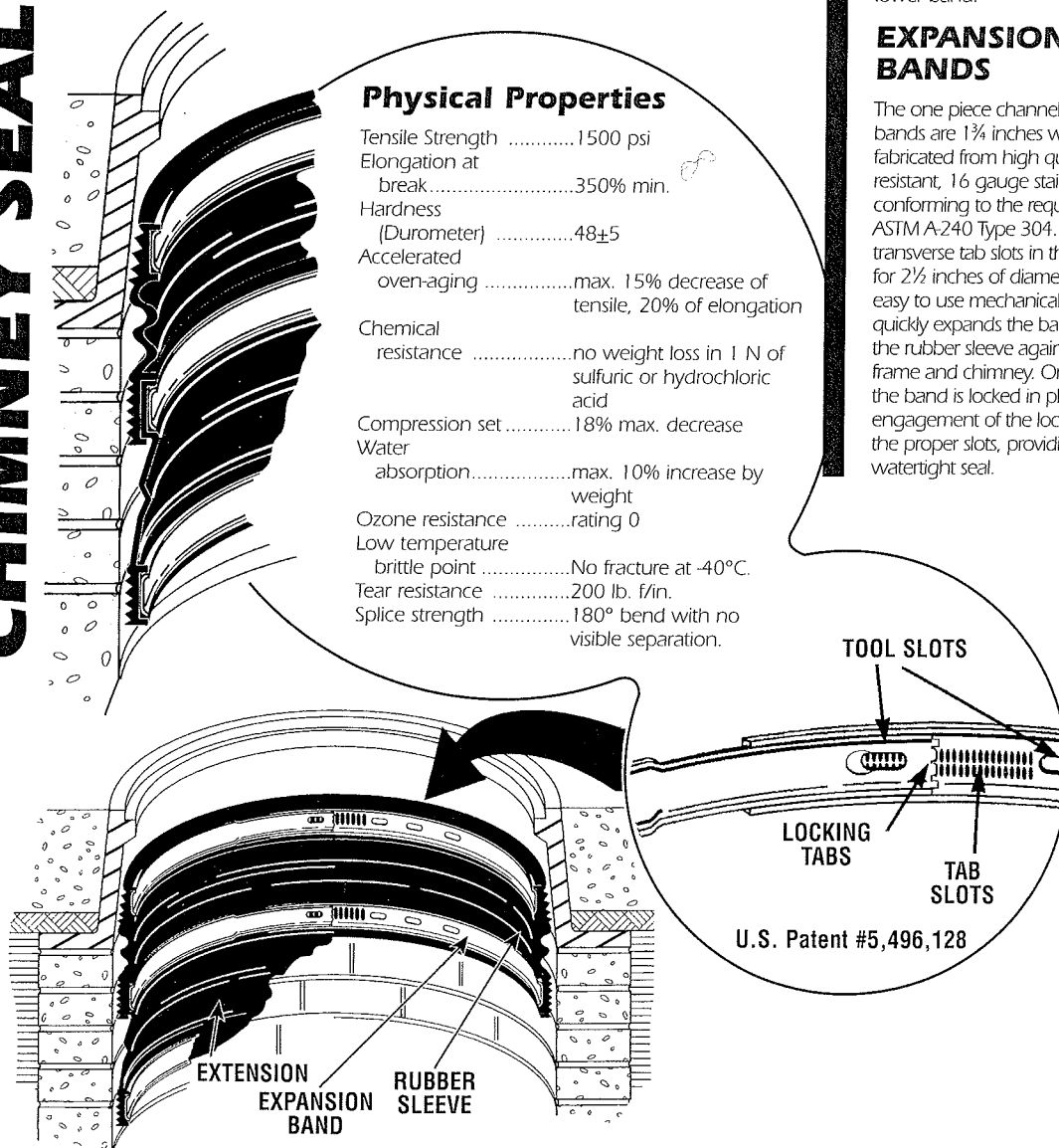
Tensile Strength	1500 psi
Elongation at break	350% min.
Hardness (Durometer)	48 $\pm$ 5
Accelerated oven-aging	max. 15% decrease of tensile, 20% of elongation
Chemical resistance	no weight loss in 1 N of sulfuric or hydrochloric acid
Compression set	18% max. decrease
Water absorption	max. 10% increase by weight
Ozone resistance	rating 0
Low temperature brittle point	No fracture at -40°C.
Tear resistance	200 lb. f/in.
Splice strength	180° bend with no visible separation.

EXTENSION

The 7" and 10" wide rubber extensions are made from the same material and have the same minimum thickness as the sleeve. The top portion fits into the sleeve's lower band recess, under the lower band.

EXPANSION BANDS

The one piece channelled expansion bands are 1 $\frac{3}{4}$ inches wide and are fabricated from high quality, corrosion resistant, 16 gauge stainless steel conforming to the requirements of ASTM A-240 Type 304. The multiple transverse tab slots in the band provides for 2 $\frac{1}{2}$ inches of diameter range. An easy to use mechanical expansion tool quickly expands the band to compress the rubber sleeve against the manhole frame and chimney. Once expanded, the band is locked in place by the engagement of the locking tabs in the proper slots, providing a flexible watertight seal.



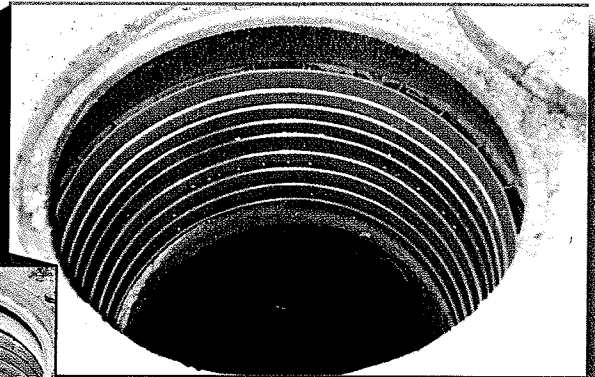
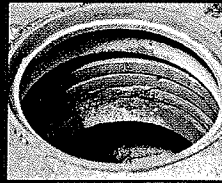
AN INTERNAL RUBBER SLEEVE DEVELOPED TO STOP INFLOW UNDER THE MANHOLE FRAME BY PROVIDING A FLEXIBLE, WATERTIGHT SEAL BETWEEN THE MANHOLE FRAME AND THE MASONRY CHIMNEY IN EXISTING AS WELL AS NEW MANHOLES THAT:

- Provides watertightness, while having the flexibility to allow the manhole frame to move with the surrounding pavement as it reacts to the forces of frost heave, thermal expansion/contraction and traffic loadings.
- Reduces excess clearwater in sanitary sewer system by stopping manhole frame/chimney inflow, thereby providing more system capacity and reducing treatment and pumping costs.
- Installed in the inside of existing manholes, no expensive time-consuming excavating and pavement replacement is needed.
- Installed in new manholes after paving is complete without interfering with or delaying paving operations.
- Reusable — can be moved or removed and reused elsewhere if needed.
- Constructed of high quality, long-lasting materials.

U.S. PATENT # 4,305,679
AND # 4,469,467

HDPE Recycled Plastic Manhole Adjusting Rings

Engineered
Tested
Proven
Quality



Lightweight

When working with sewer systems, "lightweight" is rarely a word that comes to mind. But with the **Ladtech® Adjusting Rings** and their polyethylene structure it becomes an enormous advantage over concrete.

Ladtech's lightweight adjusting rings are manufactured from 100% polyethylene recycled plastic. This makes them easy to lift, transport and place. In return, they also reduce on-the-job injury, lower installation costs and promote high production rates. Improve your infrastructure by using the rings that are made from everyday post-consumer plastic waste products.

- ⊗ Available in several diameter & heights
- ⊗ Heavy handling equipment not required
- ⊗ Faster job completion
- ⊗ Saves city/county and state life cycle costs

Ladtech® Inc. Guarantee

Using the **Ladtech® Adjusting Rings** adds to the durability of any manhole system – A system that's designed to last beyond the *NEXT* millennium!

Ladtech® guarantees a full ten year replacement warranty, that any damage to the **Ladtech® Rings** will be replaced at no charge. If a manufacturing defect occurs within the first five years, **Ladtech®** will dig up and replace the faulty product.

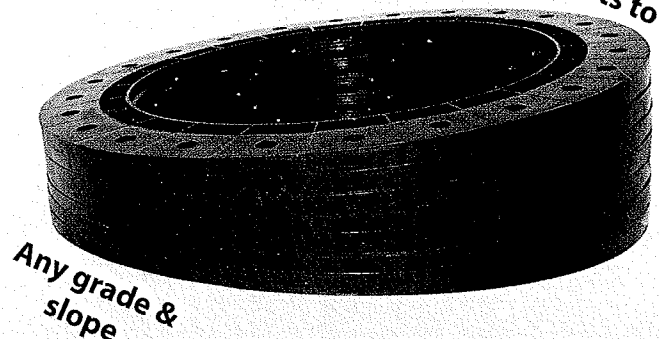


LADTECH INC.

Ladtech® Inc. has revolutionized the manhole industry by reinventing the manhole adjusting ring. We have simply replaced the old concrete & mortar and brick & mortar system with the high strength HDPE adjusting ring that resists breakage, is compressive and impact resistant, and non-corrosive.

The **Ladtech® Adjusting Rings** provide a sealed system that will stand the test of time. Check and see for yourself! Our product is already being used in numerous national and international infrastructures with very positive results!

Easily
adjusts to



Any grade &
slope

**The biggest risk is to do
nothing at all!**

Village of Jackson

Water Main Specifications

Village of Jackson Water Specification

Updated: 3/28/08

1. AMENDMENTS TO STANDARD SPECIFICATIONS

- A. Standard Specifications - The applicable sections of Chapters 2 through 6 inclusive of the "Standard Specifications for Sewer and Water construction in Wisconsin:" Latest Published Edition, and State of Wisconsin Dept. of Transportation Standard Specifications for Road and Bridge Construction, Latest Edition shall apply to all Work and Material under this project with the exception that such specifications are modified and/or supplemented as set forth in these Special Provisions.
- B. Permit Conditions
 - 1. In the event blasting is required, contractor shall obtain all necessary permits including, but not limited to, State of Wisconsin, Department of Commerce.

2. WATERMAIN

A. Pipe Materials & Fittings

- 1. The pipe material used on the project shall be as shown on the plans and as specified herein.
- 2. Polyvinyl Chloride Water Pipe (Sizes 4" thru 16") - All polyvinyl chloride water pipe shall be as specified in Chapter 4.6.0, Polyvinyl Chloride Water Pipe, and Chapter 8.20.0, Polyvinyl Chloride Water Pipe Materials, of the Standard Specifications. PVC pipe shall be SDR-18, Class 150, conforming to AWWA C-900, with "push-on" type rubber gasket joints.

All service lateral connections for sizes 1" and larger in diameter shall be made with double band, epoxy coated tapping saddles. Acceptable product Smith - Blair 317 or equal. Service lateral sizes larger than 2" shall be made via standard Mechanical Joint (MJ) fittings. Refer to Water Service Specifications.

- 3. Ductile Iron Water Pipe (Sizes 4" thru 16") shall be as specified in Chapter 4.4.0, and Chapter 8.18.0, Ductile Iron Water Main, and include Polyethylene Film Envelope Wrap (8 mil) for Water Mains, of the Standard Specifications. All ductile iron pipes shall be Class 52 (minimum) conforming to AWWA C-151 or ANSI A21.51, with "push-on" type, rubber gasket joints.

Service lateral 1" may be direct tapped to the Mainline in accordance with AWWA recommendations. For other sizes, standard fittings shall be required; however, for sizes 1 1/4" to 2" in diameter Smith - Blair 313 Ductile Iron double band service lateral or equivalent.

4. **Fittings** - all valves, tees, crosses, bends, offsets and other fittings shall be ductile iron, and be as specified in Chapter 8.22.0. Fittings for Water Main, of the Standard Specifications. Manufacturer shall be Tyler, Union, or American made. All fittings for sizes 3" thru 24" in diameter shall be Class 350. All mechanical joints shall be made with "Cor-Blue" nuts and bolts and Megalug glands, or approved corrosion resistant equivalents that conform to C-111, AWWA. Specifications. All fittings shall be cement lined and coated in accordance with AWWA C-110 and AWWA C-153. Corrosion protection shall be provided in accordance with Chapter 4.4.4, Polyethylene Wrap, (8 mil and taped securely to pipe) of the Standard Specifications. All hydrant tees shall be anchor type.
5. **Grade Changes for PVC Main.** Where grade changes (greater than 1%) are to be made in a main of PVC material the entire grade change shall be made by mechanical fittings of ductile iron, and be restrained with Megalug glands, as specified in Chapter 4.10.1 of the Standard Specifications. The use of PVC pipe will not be allowed. The ductile iron pipe and fittings in the grade change shall be wrapped with polyethylene as called for in Chapter 4.4.4 of the Standard Specifications.

B. Bedding, Cover and Backfill Materials

1. Bedding materials - Class "B" (Compacted Section) bedding as specified in Chapter 4.3.0, Laying of Water Main, and File No. 36, Part VII, of the Standard Specifications shall be used. Bedding materials shall be Crushed Stone Chip as specified in Chapter 8.43.2, Bedding Materials, of the Standard Specifications.
2. Cover Materials - Cover materials used shall be crushed stone chips as specified in Chapter 8.43.2, and extend 12-inches above pipe barrel.

3. Backfill Materials

- a. Backfill Materials - Unless otherwise noted on the plans, all trenches shall be backfilled with Granular Backfill as specified in Chapter 8.43.4 of the Standard Specifications. Upon approval by the Village Engineer, ¾-inch clean, washed, sound and durable crushed stone or ¾-inch crushed stone chips as specified in Chapter 8.43.4 of the Standard Specifications can be used for water main pipe 18 inch or less in diameter.
- b. Where spoil backfill is allowed, material used shall be select excavated materials subject to the requirements of Chapter 6.45.5, Excavated Materials Used as Backfill, of the Standard Specifications. In area(s) where excavated material(s) are determined to be not acceptable, in the judgment of the Village Engineer, then previously specified imported backfill material will be required.

C. Consolidation of Backfill

1. All backfill shall be consolidated by Mechanical compaction as specified in Chapter 2.6.14(b), Consolidation of Backfill, of the Standard Specifications.
2. The 12-inch crushed stone base course shall be placed within one (1) week following trench consolidation.
3. At the end of the working day, open excavations shall not exceed twenty-five feet (25') in length. All open trenches shall be barricaded off or steel plated.

D. Installation

1. Construction and installation of all water main and appurtenances shall be as specified in Chapter 4.1.0 General, 4.2.0 Excavation, and 4.3.0 Laying of Water Main, of the Standard Specifications.

E. Locating Wire

1. A locating wire shall be 10 gauge, type UF, solid core wire, and shall be taped every 4 ft to the water main. A loop of locating wire shall be run to the surface at all hydrants, with a VALCO tracer wire terminal box. The box shall be located behind the hydrant with at least 2 ft of wire inside the box. The wire shall be installed with as few splices as possible. Splices shall utilized end to end split bolt connectors, sealed with silicone sealant, aqua seal or

equal, and covered with Scotch #33 electrical tape. No bare wire shall be exposed. The two ends of the wire shall be knotted to prevent strain on the splice.

2. All locating wire will be tested by the Jackson Water Utility, prior to installation of base course for the road. All costs associated with the testing process will be subject to the owner or developer for reimbursement.

F. Installed Pipe Testing & Disinfection

1. All new mains, fittings, valves and hydrants shall be subject to hydrostatic tests as specified in Chapter 4.15.0, Hydrostatic Pressure Test, of the Standard Specifications.
2. All new mains, fittings, valves, hydrants, and services shall be subject to hydrostatic tests as specified in Chapter 4.15.0, Hydrostatic Tests - Leakage Test, of the Standard Specifications.
3. Water from all new mains shall pass a bacteriological test as specified in Chapter 4.16.0, Disinfection of Water Mains, of the Standard Specifications. The Jackson Water Utility will proceed with the disinfection of water main and taking the safe sample, upon the request by the contractor.
 - a. During the installation of water main, only one connection will be allowed to the existing water system. The Jackson Water Utility will operate all valves and hydrants in order to fill the water main. The chemicals to disinfect the water main will be supplied by the Jackson Water Utility.
 - b. The Jackson Water Utility will conduct the filling, flushing, disinfecting, and water sample within 48 hours after the request by the contractor is made. All costs occurred by filling, flushing, disinfecting, and water sample will be the expense of the developer or owner of the project.
 - c. The Contractor shall provide a sampling point at all ends of the installed water main. If no other means of flushing is available (hydrant), a temporary 2 inch galvanized pipe with a valve extending a minimum of 3 ft above grade for sampling. The trench must be backfilled for easy access.

G. Payment

1. Payment measurement for water main shall be as specified in Chapter 2.9.5, of the Standard Specifications and shall include pipe, and fittings, complete.

3. WATER MAIN VALVES

A. Gate Valves (Sizes 3" - 12")

1. Resilient-seated gate valves shall be open left, epoxy coated, and have stainless steel bonnet bolts and be furnished and installed where required and as shown on the plans for main sizes 3" thru 12" in diameter, with a valve pressure rating of 250 psi. Connections shall be MJ and have non-rising stems.
2. All gate valves shall conform to requirements as specified in AWWA - C509, Resilient Seated Gate Valves, and Chapter 8.27.0, Gate and Resilient Wedge Valves, of the Standard Specifications, and be ductile iron body construction. Acceptable suppliers shall include Kennedy, Watereous, or equal. Corrosion protection shall be provided to the valve in accordance with Chapter 4.4.4, Polyethylene Wrap (8 mil).
3. 3-piece Screw Type, valve boxes shall be furnished and installed as specified in Chapter 8.29.0, Cast Iron Valve Boxes, of the Standard Specifications. Acceptable suppliers shall be Tyler, East Jorden, or equal. A number 4 base shall be furnished with 2" to 4" sizes. A number 6 base shall be furnished with 6" and 8" sizes. A number 160 oval base shall be furnished for 10" and 12" size valves.
4. All valve boxes shall be installed upon the valve with the use of a valve box ADAPTOR II as manufactured by ADAPTOR INC., or an approved equal. The adaptor shall be installed in lieu of hardwood blocking and shall be incidental to the valve and box installation.
5. An extension stem may be required for all valves with the operating nut greater than 6 ft of final grade, per the approval of the Jackson Water Utility.

B. Butterfly Valves (Sizes 16" and Larger)

1. Class 150-B, long body Butterfly valves shall be furnished and installed where required and shown on the plans for main sizes 16" and larger in diameter, with a valve pressure rating of 150 psi DWWP. Connections shall be MJ and have side operators of the non-rising stem variety.

2. All Butterfly valves shall conform to AWWA-C504 and as specified in Chapter 8.28.0 Butterfly Valves, of the Standard Specifications. Acceptable suppliers shall include Pratt "Ground Hog" and M & H Model 450. Corrosion Protection shall be provided to the valve in accordance with Chapter 4.4.4, Polyethylene Wrap.
3. A valve box adaptor (as manufactured by Adaptor, Inc., Milwaukee, WI) shall be furnished and installed with a 3-piece screw type valve box as specified in Chapter 8.29.0, Cast Iron Valve Boxes, of the Standard Specifications. Acceptable manufactures is Tyler or equal. Covers shall have word "Water" cast on them. Valve setting shall be as specified in Chapter 4.8.0 and 4.9.0, Valves and Hydrants, and File No. 39, Butterfly Valve and Box, of the Standard Specifications.
4. An extension stem may be required for all valves with the operating nut greater than 6 ft of final grade, per the approval of the Jackson Water Utility.

C. Payment

1. Payment for valves and valve boxes, complete, shall be as specified in Chapter 2.9.0, of the Standard Specifications and include the finishing and setting of the valve box.

4. HYDRANTS

A. Materials and Type

1. All hydrants shall be traffic models with break-away flange, 16" break off, have two 2-1/2" hose nozzles (2-1/2 NST) and one 4-1/2" pumper or steamer nozzle (4 NST), 1-1/2" pentagon operating nut and CCU opening, 6" MJ inlet connection, with bury depth as required (**no extensions will be allowed**), break off flange shall be 4" above grade and shall otherwise be as specified in Chapter 8.28.0, Fire Hydrants, of the Standard Specifications. Hydrants shall be painted red and open left.
2. A 6" resilient wedge gate valve shall be provided on each hydrant branch or lead and connected to the main by an anchoring tee and Megalug gland to the lead from both the gate valve and hydrant.
3. Acceptable suppliers shall include Waterous Pacer and Mueller Centurion and supplied with Hydrafinder hydrant flag or equal.

B. Installation of Hydrants

1. Hydrants shall be located 3 feet behind existing or future curb face. The pumper nozzle shall be oriented to the street. The height of the hydrant shall be determine by setting the break off flange 4-inch above final grade.
2. Hydrant installation shall be as specified in Chapter 4.8.0, Valves and Hydrants, and in Village of Jackson design parameters C-1.
3. All hydrants shall be backfilled with 1" clean washed stone, 3' in diameter around the hydrant and 1' above the drain hole. Filter fabric shall be placed above the washed stone.

C. Payment

1. Payment for hydrants will be made at the unit contract price per each.

5. **AIR VENT/AIR RELEASE ASSEMBLIES**

A. **Materials and Installation**

1. Air vent/release assemblies shall be furnished and installed at locations designated on the plans and as specified in Chapter 4.12.0, Air Release Assembly in Valve Box, of the Standard Specifications.
2. Dead end air vents shall be installed in accordance with File No. 43, Concrete Buttress for Plug with Air Vent for 20" and smaller, of the Standard Specifications.
3. Main line air vents shall be installed in accordance with File No. 42, Air Release Assembly, of the Standard Specifications.
4. Main line air release vaults shall be installed in accordance with Standard Detail, Air Release Vault, of the Jackson Engineering Department.

B. Payment

1. Payment for air vent/release assemblies shall be included in the contract unit price for water main installed and shall include installation of the service box.
2. Payment for air release vault and all items necessary shall be made at the unit contract price bid for each vault.

6. WATER SERVICE

- A. All corporation stops, and brass fittings shall be installed by using smooth jaw wrenches.

B. 1" Copper Water Services (Single Family-Up to 100 ft. length)

1. Tap Corporation Stops shall be installed using saddles as above specified in Chapter "Water Main - Pipe Materials and Fittings" and shall be as specified in Chapter 8.30.0, Corporation Stops, and File No. 51, Tap Service Piping (copper) of the Standard Specifications and **only compression fittings**. Acceptable suppliers shall include Mueller, Ford and A.Y. McDonald.
2. Copper water tubing shall be 1" and be as specified in Chapter 8.24.0, Copper Water tubing, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. All copper tubing shall be properly size with a sizing tool prior to installation.
3. Minneapolis Pattern Curb Valve Stops shall be installed on the property line at the terminus of each water service and be as specified in Chapter 6.31.0, Curb Stops, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald.
4. Minneapolis pattern Service Boxes with 1 1/4" uppers shall be installed over each curb valve and be as specified in Chapter 8.2.0, Cast Iron Service Boxes, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald and be of the Minneapolis Pattern, extension type. **Curb stop rods may be required for all curb stops with the operating nut greater than 6 ft from final grade.**

C. 1-1/4" Copper Water Services (Single Family - 100 ft. to 150 ft. length)

1. Tap Corporation Stops shall be installed using saddles as above specified in Chapter "Water Main - Pipe Materials and Fittings" and shall be as specified in Chapter 6.30.0, Corporation Stops, and File No. 51, Tap Service Piping (copper) of the Standard Specifications and **only compression fittings**. Acceptable suppliers shall include Mueller, Ford and A.Y. McDonald.
2. Copper water tubing shall be 1 1/4" and be as specified in Chapter 6.24.0, Copper Water tubing, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. All copper tubing shall be properly size with a

sizing tool prior to installation.

3. Minneapolis Pattern Curb Valve Stops shall be installed on the property line at the terminus of each water service and be as specified in Chapter 6.31.0, Curb Stops, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald.
4. Minneapolis pattern Service Boxes with 1 1/4" uppers shall be installed over each curb valve and be as specified in Chapter 6.25.0, Cast Iron Service Boxes, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald and be of the Minneapolis Pattern, extension type.
Curb stop rods may be required for all curb stops with the operating nut greater than 6 ft from final grade.

D. **1-1/2" Copper Water Services (2 & 3 Family Residential and 150 ft. to 200 ft. length)**

1. Tap Corporation Stops shall be installed using saddles as above specified in Chapter "Water Main - Pipe Materials and Fittings" and shall be as specified in Chapter 8.30.0, Corporation Stops, and File No. 51, Tap Service Piping (copper) of the Standard Specifications and **only compression fittings**. Acceptable suppliers shall include Mueller, Ford and A.Y. McDonald.
2. Copper water tubing shall be 1 1/2" and be as specified in Chapter 8.24.0, Copper Water tubing, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. All copper tubing shall be properly size with a sizing tool prior to installation.
3. Minneapolis Pattern Curb Valve Stops shall be installed on the property line at the terminus of each water service and be as specified in Chapter 8.31.0, Curb Stops, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald.
4. Minneapolis pattern Service Boxes with 1 1/4" uppers shall be installed over each curb valve and be as specified in Chapter 8.25.0, Cast Iron Service Boxes, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald and be of the Minneapolis Pattern, extension type.
Curb stop rods may be required for all curb stops with the operating nut greater than 6 ft from final grade.

E. **2" Copper Water Service (Minimum for Multi-Family & Commercial)**

1. Tap Corporation Stops shall be installed using saddles as above specified in Chapter "Water Main - Pipe Materials and Fittings" and shall be as specified in Chapter 8.30.0, Corporation Stops, and File No. 51, Tap Service Piping (copper) of the Standard Specifications and **only compression fittings**. Acceptable suppliers shall include Mueller, Ford and A.Y. McDonald.
2. Copper water tubing shall be 2" and be as specified in Chapter 8.24.0, Copper Water tubing, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. All copper tubing shall be properly size with a sizing tool prior to installation.
3. Minneapolis Pattern Curb Valve Stops shall be installed on the property line at the terminus of each water service and be as specified in Chapter 8.31.0, Curb Stops, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald.
4. Minneapolis pattern Service Boxes with 1 1/4" uppers shall be installed over each curb valve and be as specified in Chapter 8.25.0, Cast Iron Service Boxes, and File No. 51, Tap Service Piping (copper), of the Standard Specifications. Acceptable suppliers shall include Mueller, Ford, and A.Y. McDonald and be of the Minneapolis Pattern, extension type. **Curb stop rods may be required for all curb stops with the operating nut greater than 6 ft from final grade.**

E. **High-Density Polyethylene Tubing**

1. High-Density Polyethylene Tubing shall be installed in accordance with the relative sizes as copper in the Village of Jackson Water Specifications with the exception as follows:
2. Water services shall be high-density polyethylene tubing manufactured from PE-3408 conforming to AWWA C901 and ASTM D2737. The pipe shall be pressure class 200 (DR-9) unless otherwise noted. A stainless steel pipe insert stiffeners shall be installed with all fittings. A locating wire (10 gauge solid core) shall be supplied with the service and be included in the cost of the polyethylene pipe.
3. Fittings for polyethylene service piping shall be cast brass. Fittings shall have a uniform wall thickness and strength, and shall be free of defects, which may affect their serviceability. Fittings shall be compression type only. Unions shall be extra heavy 3-part type.

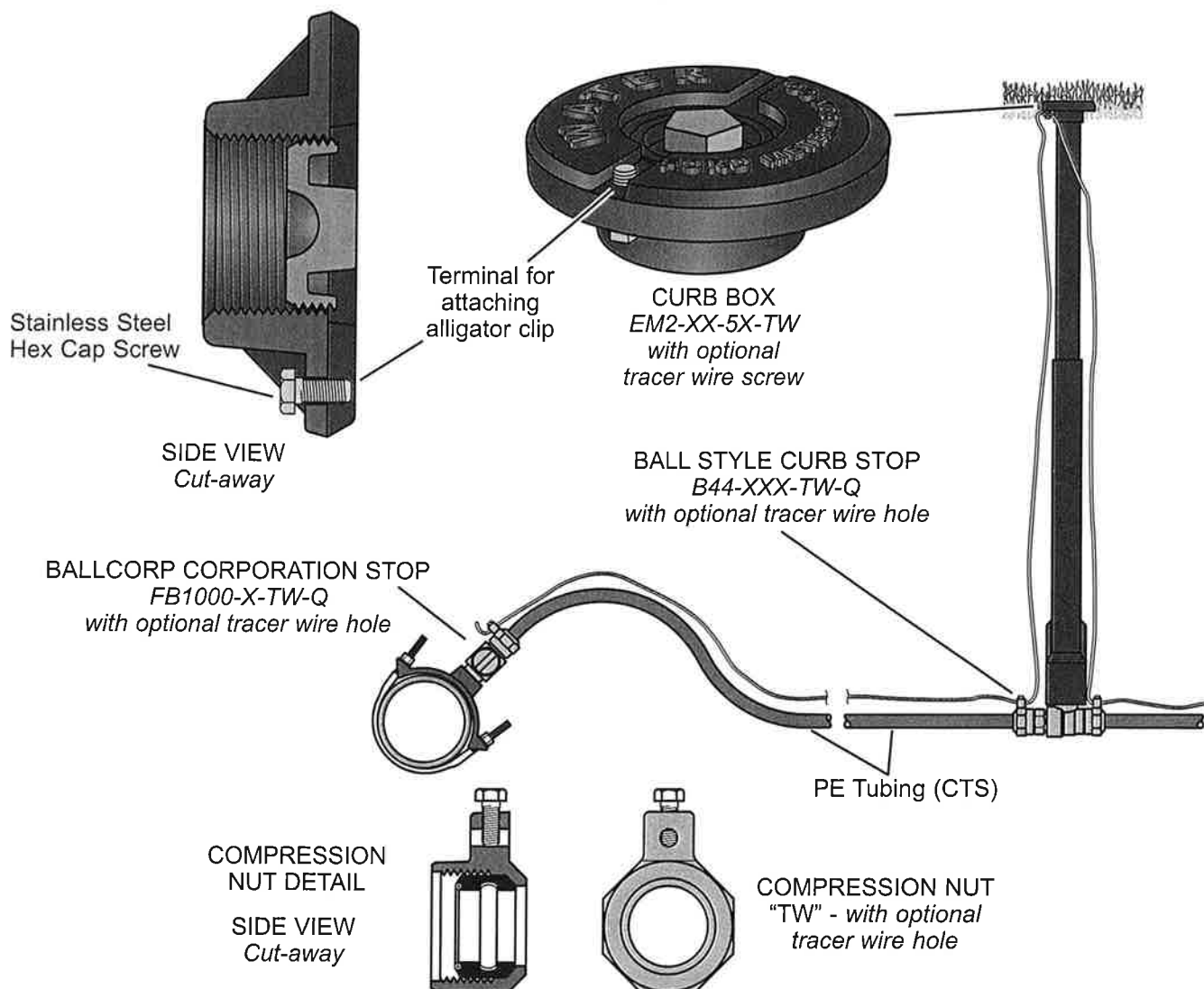
F. Tapping Sleeves

1. All live taps shall be done with stainless steel tapping sleeves and mechanical joint flanged tapping valves.

G. Payment

1. Payment for water services shall be made at the contract unit price per foot measured horizontally, which shall include all components of the water service specified above, for the respective size of water service designated on the plans.

Tracer Wire Services



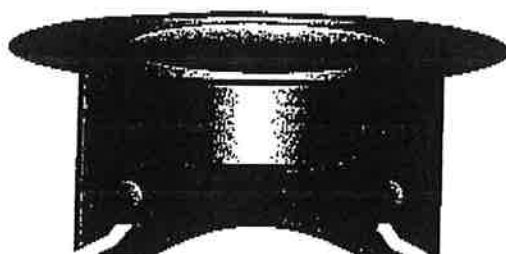
The use of a tracer wire for locating plastic water lines is very popular among water distribution operators. Ford Meter Box makes it easy to install a tracer wire by offering compression nuts and curb box lids for securing the wire. Ford's Quick Joint products for CTS plastic tubing are available with an optional tracer wire hole that has a set screw for a positive connection. Curb box lids are also available with a tracer wire screw that is tapped into the bottom of the lid for securing a quick connect eyelet terminal. Once tightened, the threaded end of the screw becomes accessible at the top of the lid for attaching an alligator clip. For more information contact your local Ford distributor or The Ford Meter Box Company, Inc.



The Ford Meter Box Company, Inc., P.O. Box 443, Wabash, Indiana, USA 46992-0443
Telephone: 260-563-3171 FAX: 800-826-3487 Overseas FAX: 260-563-0167 <http://www.fordmeterbox.com>

TRACER WIRE ACCESS BOX

AVAILABLE FOR
SEWER AND WATER
APPLICATIONS



OPENS WITH
STANDARD
PENTAGONAL KEY



Adjustable
Height
Version
Available



**SIMPLE
DURABLE
ECONOMICAL
EASILY ACCESSIBLE
VANDAL-RESISTANT**

Easy access to tracer wire is gained utilizing an economical, protective access box complete with a tamper-proof lid design. The box is opened with a standard pentagonal head key. Tracer wire is attached to the lid with stainless steel terminal bolts. The cast iron collar and cover prevent damage from lawn maintenance equipment.



Made in the U.S.A.



C.P. Test Services - VALVCO, Inc.

Sales Office

P.O. Box 366, New Berlinville, PA 19545

toll free: 888 482 5826 fax: 610 367 5082

C-6

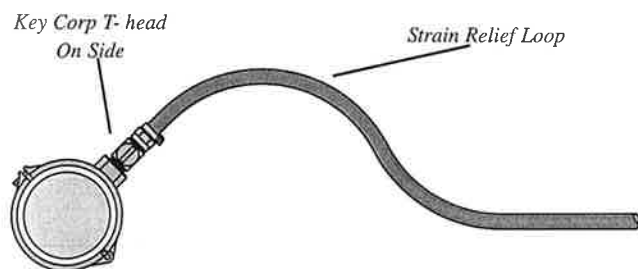
CAREFUL INSTALLATION SAVES TIME AND MONEY

Ford Meter Box has shipped thousands of corporation stops throughout the years.

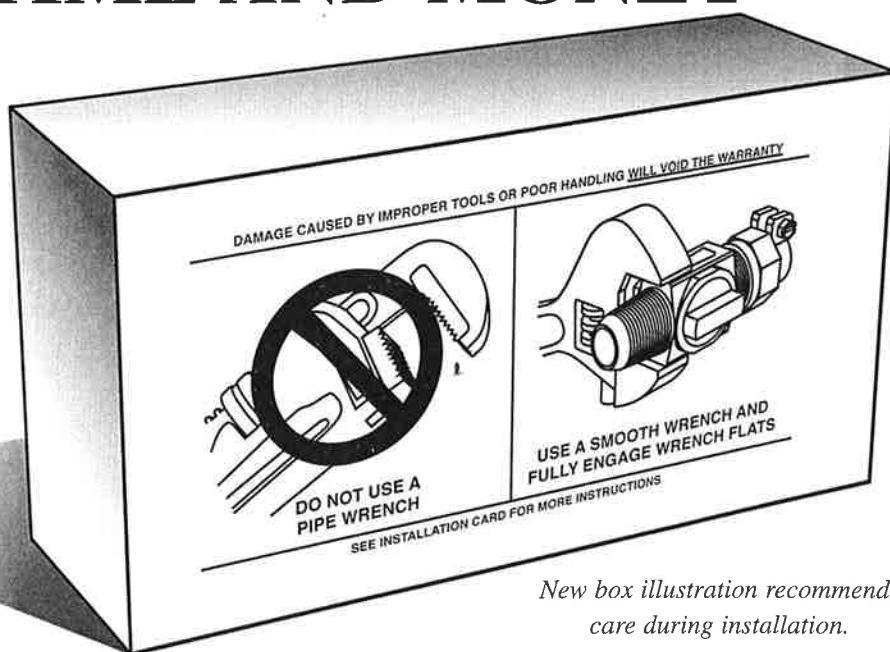
Occasionally, one of these valves has been returned to the factory because it leaked. Almost without exception the reason for the valve's failure has been improper handling during installation.

Proper installation practices will save time and money, so remember these key points when installing brass fittings and valves.

Waterworks brass is 85% copper and thus is relatively soft. It has proven to be extremely durable once installed; however, it must be handled with care during installation. The improper use of a wrench will distort a valve or fitting. Ford Meter Box



Corp Stop properly installed on side with a relief bend.



New box illustration recommends care during installation.

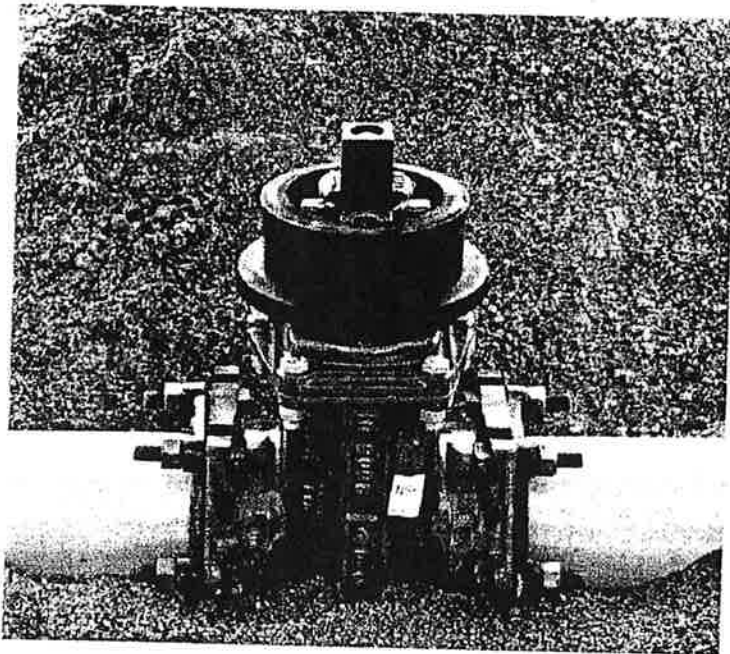
recommends the use of a smooth wrench that fits snug across the wrench flats on the valve body.

The positioning of a corp stop for back filling is also very important. Ford Meter Box recommends the valve be placed on its side. This places the valve body in a position which will offer the most resistance to the heavy loads generated during backfilling.

Ford Meter Box offers the largest variety of valves and couplings in the water works industry. For information about how Ford can help with your next installation, call your local Ford distributor or The Ford Meter Box Company.



Valve Box Adaptor II



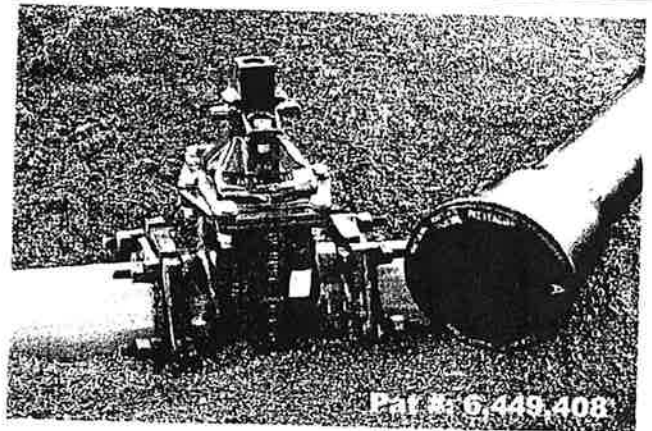
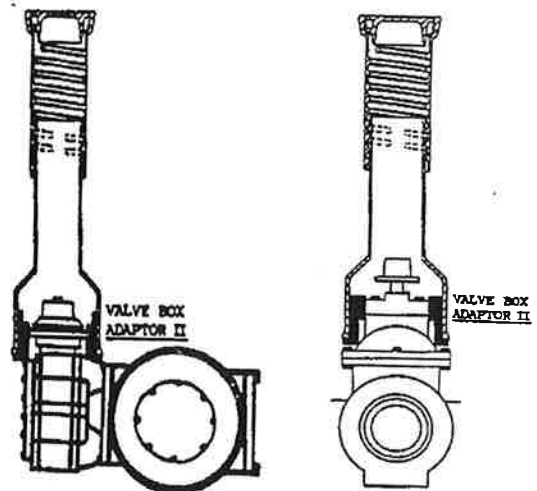
Municipal water utilities and contractors have benefited over the years from the use of the Valve Box Adaptor II.

The Valve Box Adaptor II has eliminated improper keying of the valves due to settling and shifting of the valve box.

Using the Valve Box Adaptor II has proven to be a cost effective product for the water utilities. It has reduced future budget costs by eliminating the excavation and resetting of the valve box.

Advantages

- * Eliminates settling and shifting of the gate and butterfly valve boxes.
- * Protects epoxy coating on valves.
- * Centers valve box over operating nut.
- * Seals valve box with a resilient material
- * Cost Effective.



**ADAPTOR
INC.**

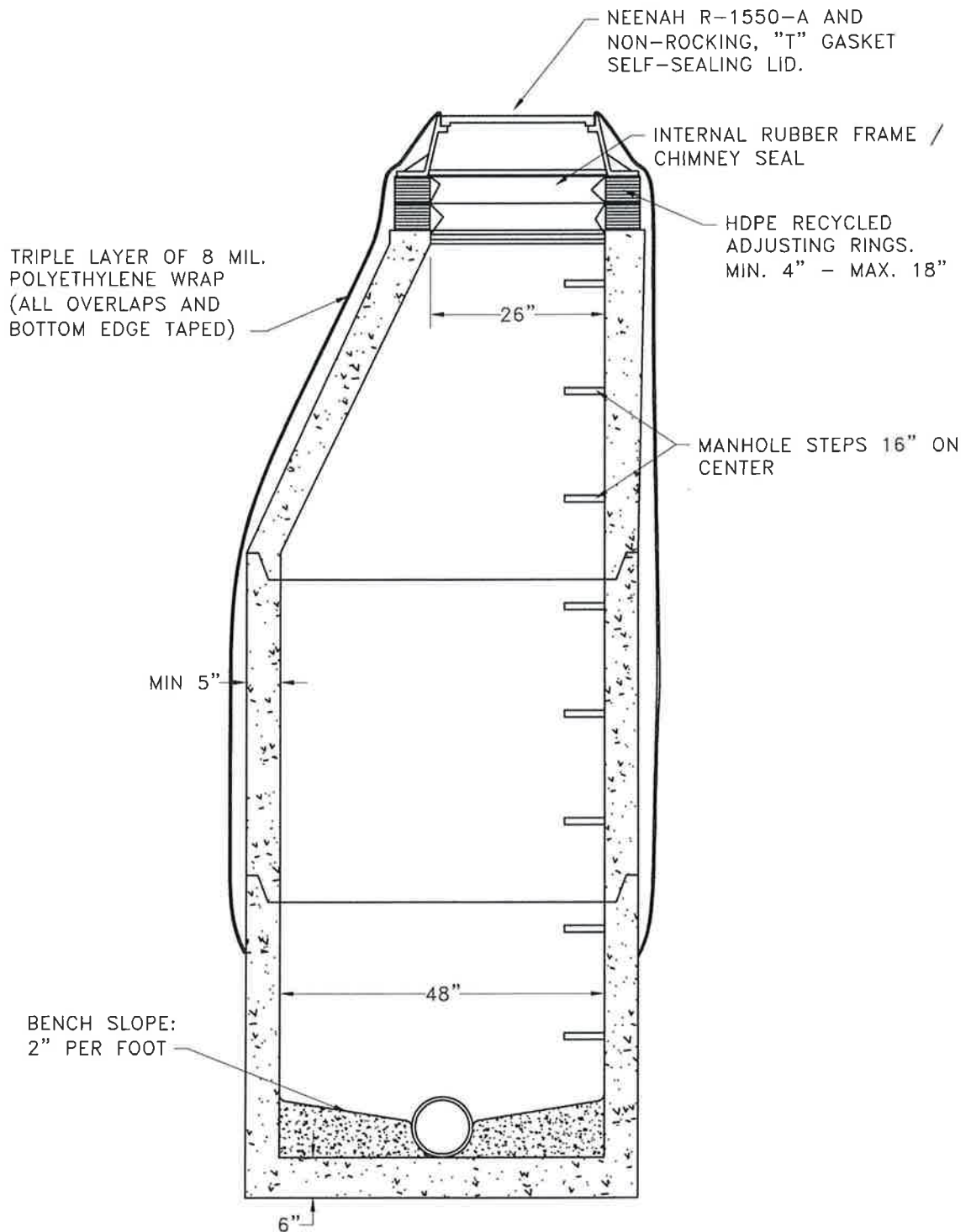
2151 South 54th Street West Allis, Wi. 53219
Phone:(414) 764-6733 Fax: (414) 764-1494

Web Page: www.adaptorinc.com

E-Mail: mail@adaptorinc.com

Village of Jackson

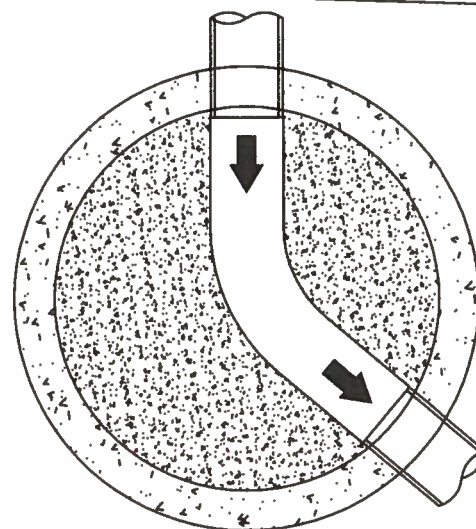
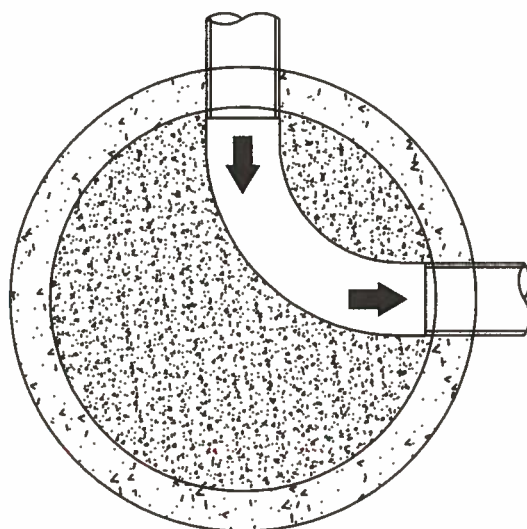
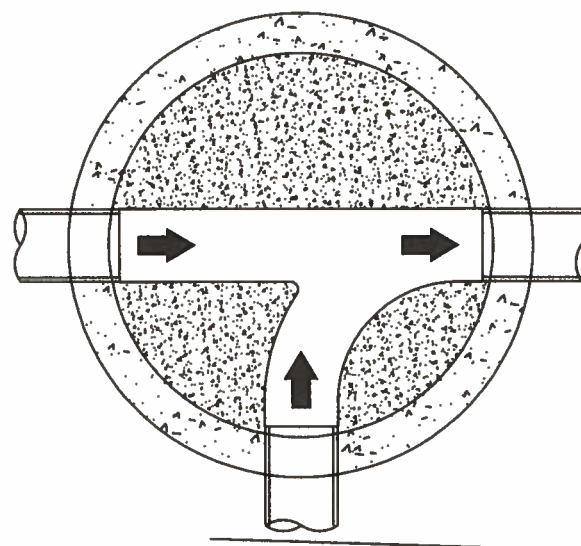
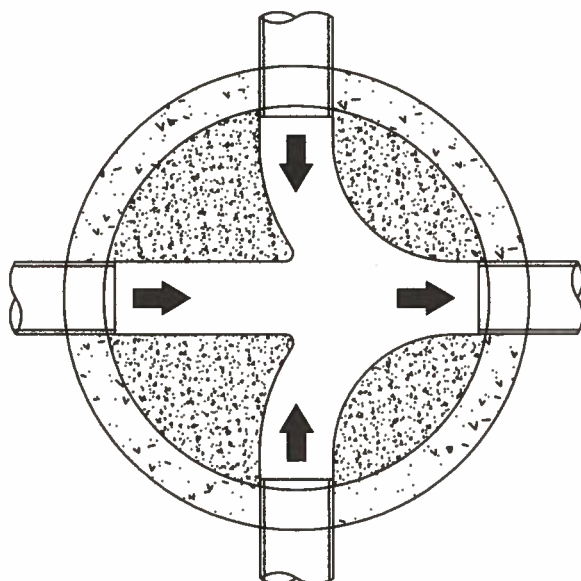
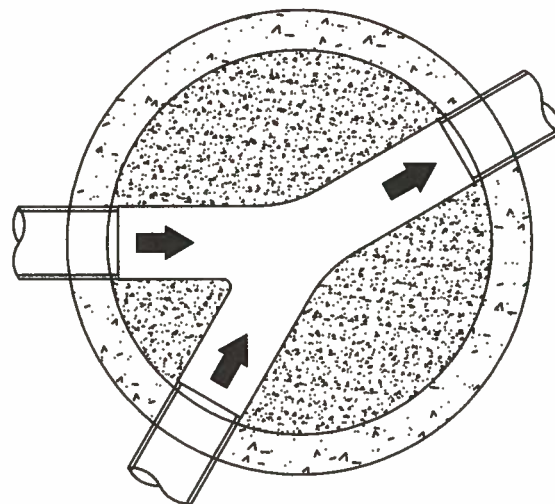
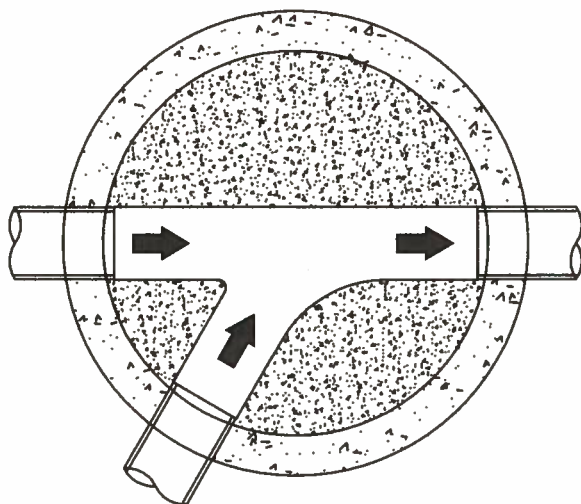
Standard Detail Drawings



STANDARD DETAIL B-3
SANITARY SEWER MANHOLE

REVISED: 1-16-07

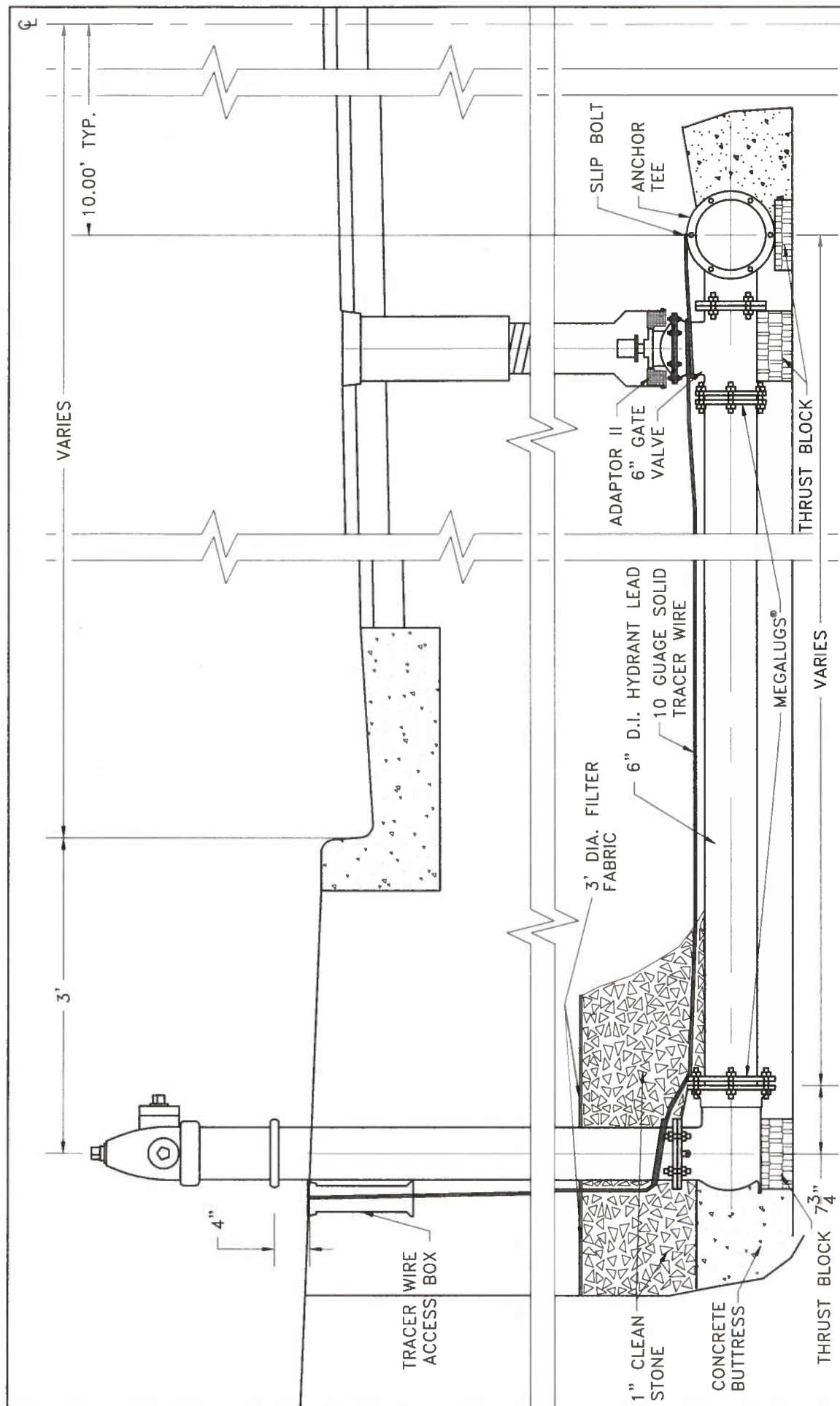
SCALE: 1/2" = 1'



STANDARD DETAIL B-4
TYPICAL BENCH CURVATURE FOR
SANITARY SEWER MANHOLE

REVISED: 1-17-07

SCALE: $1/2" = 1'$

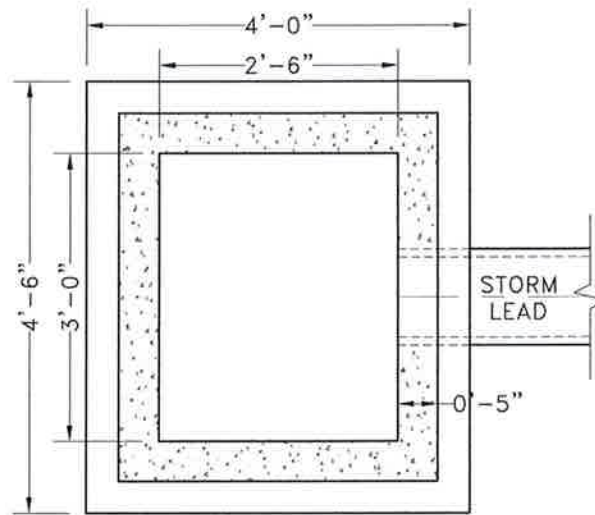


STANDARD DETAIL C-1

REVISED: 1-15-07

TYPICAL HYDRANT SETTING

SCALE: 3/4" = 1'



4" MIN - 1' MAX OF
PRECAST CONCRETE
ADJUSTMENT RINGS:

USE MIN 4" RINGS
FOR MORE THAN 5"
OF ADJUSTMENT

TOP OF CURB

FLOW LINE
OF GUTTER

FACE OF
CURB

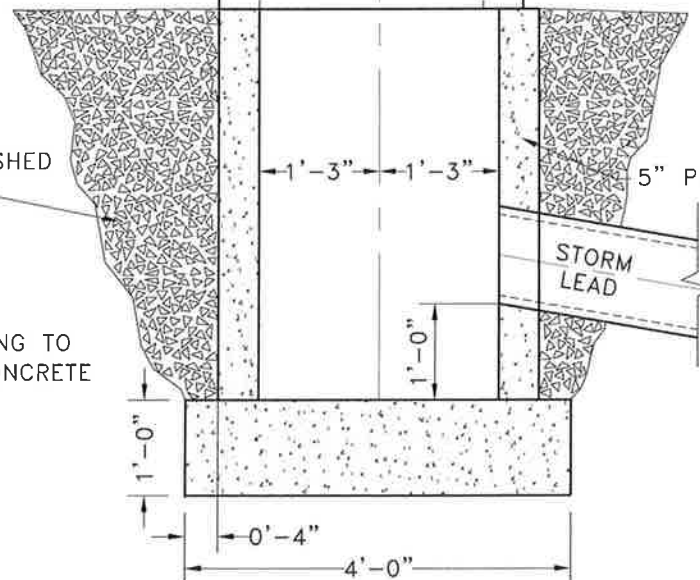
0'-10"

CURB CATCH BASIN FRAME
& GRATE NEENAH #
R-3246-AL (VERTICAL FACE)

WITHIN DRIVEWAY USE #
R-3246-AP WITH CURB
PLATE

BACKFILL:
3/4" - 1" CRUSHED
STONE CHIPS

STRUCTURE FOOTING TO
BE CLASS "D" CONCRETE

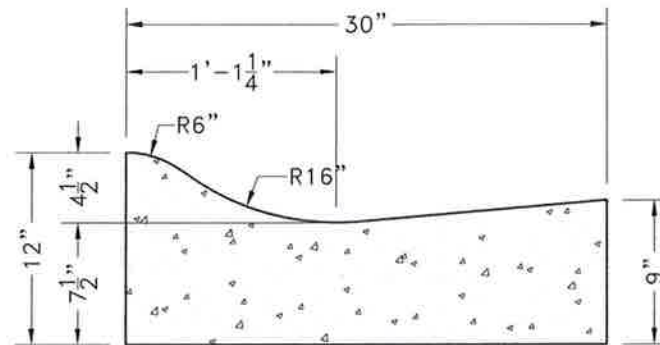


STANDARD DETAIL D-6
VERTICAL FACE CURB

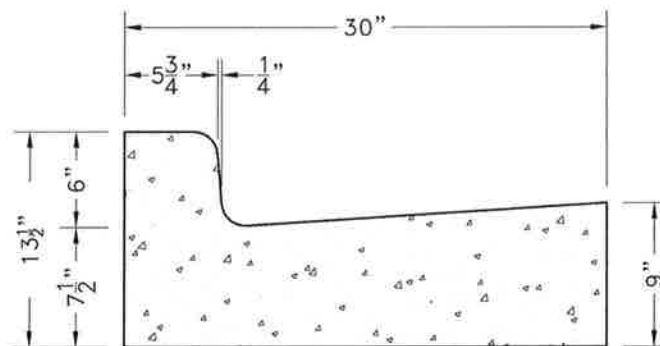
STORM CATCH BASIN (PRECAST)

REVISED: 1-16-07

SCALE: 1/2" = 1'



MOUNTABLE



VERTICAL FACE



STANDARD DETAIL E-5
TYPICAL CURB SECTION

REVISED: 2-20-04

SCALE: 1" = 1'



Drinking Water Report

2017 Consumer Confidence Report

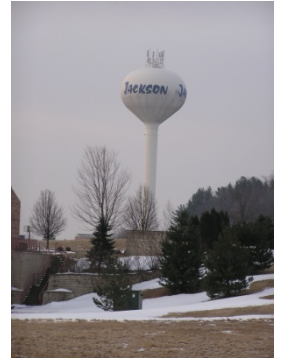
Jackson Water Utility

N168 W20733 Main St

P.O. Box 637

Jackson, WI. 53037

watersuper@villageofjackson.com



The Jackson Water Utility is pleased to provide you with the 2017 Drinking Water Report. We want to keep you informed about the quality of water and services that are delivered to you every day. We are committed to serving our users by meeting the daily challenges of providing a safe and adequate supply of water in all circumstances.

WATER SOURCE - 100% ground water, obtained from five (5) active producing wells, which two (2) of the wells are artesian flowing. Other facilities include two (2) water towers for a combined storage capacity of 700,000 gallons and one (1) booster station. The utility uses chlorine as a disinfecting agent and adds a blended phosphate to the drinking water. This blend of phosphates is a sequestering agent used to control red water, discoloration, scale deposits, and corrosion of watermain, service lines and plumbing. Phosphorus is a major component in a person's diet and is found in almost all foods. The National Sanitation Foundation and the Underwriters Laboratories approve this food grade formula for use in public drinking water. The utility also maintains a total of approximately 50 miles of water main and 3284 customers connected to those mains. In 2017, the water utility pumped a total of 251 million gallons of water.

HEALTH and EDUCATION – The sources of drinking water, both tap water and bottle water, include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water travels through the ground, it dissolves naturally occurring minerals, and in some cases, radioactive material, and can pick up substances resulting from the presence of animals or from human activity. All sources of drinking water are subject to potential contamination by constituents that are naturally occurring or are man made. Those constituents can be microbes, organic or inorganic chemicals, or radioactive materials. Please remember that the presence of these constituents does not necessarily pose a health risk. The *Jackson Water Utility* routinely monitors for constituents in your drinking water according to Federal and State laws. The following table shows the results of our monitoring as of December 31st, 2017. All drinking water may be reasonably expected to contain at least small amounts of some constituents. Some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections. These people should seek advice about drinking water from their health care providers. EPA/CDC guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbiological contaminants are available from the Safe Drinking Water Hotline 1-800-426-4791.

WATER SYSTEM INFORMATION AND OPPORTUNITIES FOR INPUT - The Jackson Water Utility is pleased to report that our system had no violations and that the drinking water is safe and meets federal and state requirements. If you have any questions about this report or your water utility, please contact *Brian Kober, P.E., Director of Public Works* or *Dan Rathke, Water Supervisor* at 262-677-9001. The Jackson Water Utility wants the valued customers to be informed about their water utility. In the continuing efforts to maintain a safe and dependable water supply, there may be times necessary to make improvements to the water system. The costs of these improvements may be reflected in the rate structure. Rate adjustments may be necessary in order to address these improvements. Also, you are invited to attend any of our regularly scheduled Village Board meetings. Village board meets the second Tuesday of each month at 7:30 PM, and the Board of Public Works meets the last Tuesday of each month at 7:30 PM.

Thank you for allowing the Jackson Water Utility to continue providing you with clean, quality water. The Jackson Water Utility works around the clock to provide top quality water to every tap. We ask that all our customers help us protect our water sources, which is the heart of our community, our way of life and our children's future.

DEFINITIONS - In this table you will find many terms and abbreviations you might not be familiar with. To help you better understand these terms we've provided the following definitions:

Non-Detects (ND) - laboratory analysis indicates that the constituent is not present.

Parts per million (ppm) or Milligrams per liter (mg/l) - one part per million corresponds to one minute in two years or a single penny in \$10,000.

Parts per billion (ppb) or Micrograms per liter (ug/l) - one part per billion corresponds to one minute in 2,000 years, or a single penny in \$10,000,000.

Parts per trillion (ppt) or Nanograms per liter (nanograms/l) - one part per trillion corresponds to one minute in 2,000,000 years, or a single penny in \$10,000,000,000.

Parts per quadrillion (ppq) or Picograms per liter (picograms/l) - one part per quadrillion corresponds to one minute in 2,000,000,000 years or one penny in \$10,000,000,000,000.

Picocuries per liter (pCi/L) - picocuries per liter is a measure of the radioactivity in water.

Millirems per year (mrem/yr) - measure of radiation absorbed by the body.

Million Fibers per Liter (MFL) - million fibers per liter is a measure of the presence of asbestos fibers that are longer than 10 micrometers.

Nephelometric Turbidity Unit (NTU) - nephelometric turbidity unit is a measure of the clarity of water. Turbidity in excess of 5 NTU is just noticeable to the average person.

Action Level (AL) the concentration of a contaminant, which, if exceeded, triggers treatment or other requirements that a water system must follow.

Treatment Technique (TT) - (mandatory language) A treatment technique is a required process intended to reduce the level of a contaminant in drinking water.

Maximum Contaminant Level - (mandatory language) The "Maximum Allowed" (MCL) is the highest level of a contaminant that is allowed in drinking water. MCLs are set as close to the MCLGs as feasible using the best available treatment technology.

Maximum Contaminant Level Goal - (mandatory language) The "Goal"(MCLG) is the level of a contaminant in drinking water below that there is no known or expected risk to health. MCLG's allow for a margin of safety.

Maximum residual disinfectant level – (MRDL) The highest level of disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfection is necessary for control of microbial contaminants.

Maximum residual disinfectant level goal – (MRDLG) The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLG's do not reflect the benefits of the use of disinfectants to control microbial contaminants.

MCL's are set at very stringent levels. To understand the possible health effects described for many regulated constituents, a person would have to drink 2 liters of water every day at the MCL level for a lifetime to have a one-in-a-million chance of having the described health effect.

Total Coliform: The Total Coliform Rule (TCR) requires water systems to meet a stricter limit for coliform bacteria. Coliform bacteria are usually harmless, but their presence in water can be an indication of disease-causing bacteria. When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If this limit is exceeded, the water supplier must notify the public by newspaper, television or radio. To comply with the stricter regulation, we have increased the average amount of chlorine in the distribution system.

Nitrates: As a precaution we always notify physicians and health care providers in this area if there is ever a higher than normal level of nitrates in the water supply.

Lead: Lead in drinking water is rarely the sole cause of lead poisoning, but it can add to a person's total lead exposure. All potential sources of lead in the household should be identified and removed, replaced or reduced.

Hardness: Water described as "hard" is high in dissolved minerals, specifically calcium and magnesium. Hard water is not a health risk, but a nuisance because of mineral buildup on plumbing fixtures and poor soap and/or detergent performance.

What is the hardness level of Jackson's Municipal Water System? Jackson's water hardness is 22 grains/gallon or 380 parts/million; the iron content is 0.4 milligrams per liter or 1/2 part/million.

TEST RESULTS							
Microbiological Contaminants							
Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Year Sampled	Likely Source of Contamination
Total Coliform Bacteria	N	0		0	presence of coliform bacteria in 5% of monthly samples	2017	Naturally present in the environment
Fecal coliform and <i>E.coli</i>	N	0		0	a routine sample and repeat sample are total coliform positive, and one is also fecal coliform or <i>E. coli</i> positive	2017	Human and animal fecal waste
Inorganic Contaminants							
Antimony	N	ND	ppb	6	6	2014	Discharge from petroleum refineries; fire retardants; ceramics; electronics; solder
Arsenic	N	7	ppb	N/A	10	2017	Erosion of natural deposits; runoff from orchards; runoff from glass and electronics production wastes
Barium	N	0.097	ppm	2	2	2017	Discharge of drilling wastes; discharge from metal refineries; erosion of natural deposits
Beryllium	N	ND	ppb	4	4	2014	Discharge from metal refineries and coal-burning factories; discharge from electrical, aerospace, and defense industries
Cadmium	N	0.3	ppb	5	5	2014	Corrosion of galvanized pipes; erosion of natural deposits; discharge from metal refineries; runoff from waste batteries and paints
Chromium	N	4	ppb	100	100	2014	Discharge from steel and pulp mills; erosion of natural deposits
Copper	N*	0.57	ppm	1.3	AL=1.3	2017	Corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Fluoride	N	0.2	ppm	4	4	2017	Erosion of natural deposits; Water additive which promotes strong teeth; discharge from fertilizer and aluminum factories
Lead	N*	2.7	ppb	0	AL=15	2017	Corrosion of household plumbing systems, erosion of natural deposits
Mercury (inorganic)	N	ND	ppb	2	2	2014	Erosion of natural deposits; discharge from refineries and factories; runoff from landfills; runoff from cropland
Nickel	N	2.7	ppb		100	2017	Nickel occurs naturally in soils, ground water and surface waters and is often used in electroplating stainless steel and alloy products
Nitrate (NO3-N)	N	2.8	ppm	10	10	2017	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Nitrate (NO2-N)	N	0.014	ppm	1	1	2015	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion of natural deposits
Selenium	N	ND	ppb	50	50	2014	Discharge from petroleum and metal refineries; erosion of natural deposits; discharge from mines
Sodium	N	21	ppm	N/A	N/A	2017	N/A
Thallium	N	0.2	ppb	0.5	2	2014	Leaching from ore-processing sites; discharge from electronics, glass, and drug factories
* systems exceeding a lead and/or copper action level must take action to reduce lead and/or copper in the drinking water. The lead and copper values represent the 90 th percentile of all compliance samples collected. If you want information on the number of sites, please contact the Jackson Water Utility.							

Synthetic Organic Contaminants including Pesticides and Herbicides

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Year Sampled	Likely Source of Contamination
2,4-D	N	ND	ppb	70	70	2014	Runoff from herbicide used on row crops
2,4,5-TP (Silvex)	N	ND	ppb	50	50	2014	Residue of banned herbicide
Acrylamide	N	ND		0	TT	2014	Added to water during sewage/wastewater treatment
Alachlor	N	ND	ppb	0	2	2014	Runoff from herbicide used on row crops
Atrazine	N	ND	ppb	3	3	2014	Runoff from herbicide used on row crops
Carbofuran	N	ND	ppb	40	40	2014	Leaching of soil fumigant used on rice and alfalfa
Chlordane	N	ND	ppb	0	2	2014	Residue of banned termiticide
Dalapon	N	ND	ppb	200	200	2014	Runoff from herbicide used on rights of way
Di(2-ethylhexyl)adipate	N	ND	ppb	400	400	2014	Discharge from chemical factories
Di(2-ethylhexyl)phthalate	N	1.5	ppb	0	6	2014	Discharge from rubber and chemical factories
Dibromochloropropane	N	ND	nanograms/l	0	200	2014	Runoff/leaching from soil fumigant used on soybeans, cotton, pineapples, and orchards
Dinoseb	N	ND	ppb	7	7	2014	Runoff from herbicide used on soybeans and vegetables
Diquat	N	ND	ppb	20	20	2014	Runoff from herbicide use
Endothall	N	ND	ppb	100	100	2014	Runoff from herbicide use
Endrin	N	ND	ppb	2	2	2014	Residue of banned insecticide
Epichlorohydrin	–	–		0	TT	2014	Discharge from industrial chemical factories; an impurity of some water treatment chemicals
Ethylene dibromide	N	ND	nanograms/l	0	50	2014	Discharge from petroleum refineries
Glyphosate	N	ND	ppb	700	700	2014	Runoff from herbicide use
Heptachlor	N	ND	nanograms/l	0	400	2014	Residue of banned termiticide
Heptachlor epoxide	N	ND	nanograms/l	0	200	2014	Breakdown of heptachlor
Hexachlorobenzene	N	ND	ppb	0	1	2014	agricultural chemical factories
Hexachlorocyclo-pentadiene	N	ND	ppb	50	50	2014	Discharge from chemical factories
Lindane	N	ND	nanograms/l	200	200	2014	Runoff/leaching from insecticide used on cattle, lumber, gardens
Methoxychlor	N	ND	ppb	40	40	2014	Runoff/leaching from insecticide used on fruits, vegetables, alfalfa, livestock
Oxamyl [Vydate]	N	ND	ppb	200	200	2014	Runoff/leaching from insecticide used on apples, potatoes and tomatoes
PCBs [Polychlorinated biphenyls]	N	ND	nanograms/l	0	500	2014	Runoff from landfills; discharge of waste chemicals
Pentachlorophenol	N	ND	ppb	0	1	2014	Discharge from wood preserving factories
Picloram	N	ND	ppb	500	500	2014	Herbicide runoff
Simazine	N	ND	ppb	4	4	2014	Herbicide runoff
Toxaphene	N	ND	ppb	0	3	2014	Runoff/leaching from insecticide used on cotton and cattle

Volatile Organic Contaminants

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL	Year Sampled	Likely Source of Contamination
Benzene	N	ND	ppb	0	5	2015	Discharge from factories; leaching from gas storage tanks and landfills
Carbon tetrachloride	N	ND	ppb	0	5	2015	industrial activities
Chlorobenzene	N	ND	ppb	100	100	2015	chemical factories
o-Dichlorobenzene	N	ND	ppb	600	600	2015	Discharge from industrial chemical factories
p-Dichlorobenzene	N	ND	ppb	75	75	2015	Discharge from industrial chemical factories
1,2-Dichloroethane	N	ND	ppb	0	5	2015	Discharge from industrial chemical factories
1,1 - Dichloroethylene	N	ND	ppb	7	7	2015	Discharge from industrial chemical factories
cis-1,2Dichloroethylene	N	ND	ppb	70	70	2015	Discharge from industrial chemical factories
trans-1,2Dichloroethylene	N	ND	ppb	100	100	2015	Discharge from industrial chemical factories
Dichloromethane	N	Average .3	ppb	0	5	2015	Discharge from pharmaceutical and chemical factories
1,2-Dichloropropane	N	ND	ppb	0	5	2015	Discharge from industrial chemical factories
Ethylbenzene	N	ND	ppb	700	700	2015	Discharge from petroleum refineries
Styrene	N	ND	ppb	100	100	2015	Discharge from rubber and plastic factories; leaching from landfills
Tetrachloroethylene	N	ND	ppb	0	5	2015	factories and dry cleaners
1,2,4-Trichlorobenzene	N	ND	ppb	70	70	2015	Discharge from textile-finishing factories
1,1,1 - Trichloroethane	N	ND	ppb	200	200	2015	other factories
1,1,2 - Trichloroethane	N	ND	ppb	3	5	2015	Discharge from industrial chemical factories
Trichloroethylene	N	ND	ppb	0	5	2015	Discharge from metal degreasing sites and other factories
Toluene	N	ND	ppm	1	1	2015	Discharge from petroleum factories
Vinyl Chloride	N	ND	ppb	0	2	2015	Leaching from PVC piping; discharge from plastics factories
Xylenes	N	ND	ppm	10	10	2015	Discharge from petroleum factories; discharge from chemical factories

Disinfection Byproducts Contaminants

TTHM	N	6.8	ppb	0	80	2016	By-products of drinking water chlorination
HAA5	N	3	ppb	60	60	2016	By-products of drinking water chlorination

Unregulated Contaminants

Bromodichloromethane	N	4.3	ppb	N/A	N/A		N/A
Bromoform	N	0.18	ppb	N/A	N/A		N/A
Chloroform	N	12	ppb	N/A	N/A		N/A
Chloromethane	N	0.14	ppb	N/A	N/A		N/A
Dibromochloromethane	N	1.7	ppb	N/A	N/A		N/A

Radioactivity

Contaminant	Violation Y/N	Level Detected	Unit Measurement	MCLG	MCL		Likely Source of Contamination
Beta/photon emitters	N	ND	mrem/yr	0	4	2014	Decay of natural and man-made deposits
Alpha emitters	N	2.1	pCi/1	0	15	2014	Erosion of natural deposits
Combined radium	N	1.4	pCi/1	0	5	2014	Erosion of natural deposits

Agenda item documents were not received in time to be part of the packet.

The information will be distributed at the meeting.

Public Works Report

March 27, 2018

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

Year 2016

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

Year 2017

January	Avg. Flow 1.230 MGD	Min. Flow 979,000 g.p.d.	Max. 1.606 MGD
February	Avg. Flow 1.204 MGD	Min. Flow 926,000 g.p.d.	Max. 2.141 MGD
March	Avg. Flow 1.559 MGD	Min. Flow 1.09 MGD	Max. 2.398 MGD
April	Avg. Flow 1.552 MGD	Min. Flow 1.049 MGD	Max. 2.446 MGD
May	Avg. Flow 1.392 MGD	Min. Flow 666,000 g.p.d.	Max. 2.588 MGD
June	Avg. Flow 1.283 MGD	Min. Flow 763,000 g.p.d.	Max. 2.429 MGD
July	Avg. Flow 1.225 MGD	Min. Flow 879,000 g.p.d.	Max. 1.711 MGD
August	Avg. Flow 1.049 MGD	Min. Flow 750,000 g.p.d.	Max. 1.414 MGD
September	Avg. Flow 870,300 g.p.d.	Min Flow 714,000 g.p.d.	Max. 1.132 MGD
October	Avg. Flow 953,871 g.p.d.	Min. Flow 563,000 g.p.d.	Max. 1.257 MGD
November	Avg. Flow 886,967 g.p.d.	Min. Flow 729,000 g.p.d.	Max. 1,154 MGD
December	Avg. Flow 835,484 g.p.d.	Min. Flow 651,000 g.p.d.	Max. 1.074 MGD

Year 2018

January	Avg. Flow 893,258 g.p.d.	Min. Flow 693,000 g.p.d.	Max. 1.541 MGD
February	Avg. Flow 1.072 MGD	Min. Flow 651,000 g.p.d.	Max. 2.476 MGD

Years Summary of Water Consumption

2006 Total Pumpage 207,719,000 gallons
 2008 Total Pumpage 229,613,000 gallons
 2010 Total Pumpage 239,326,000 gallons
 2012 Total Pumpage 253,492,000 gallons
 2014 Total Pumpage 230,973,000 gallons
 2016 Total Pumpage 254,531,000 gallons

2007 Total Pumpage 217,224,000 gallons
 2009 Total Pumpage 231,160,000 gallons
 2011 Total Pumpage 240,268,000 gallons
 2013 Total Pumpage 228,371,000 gallons
 2015 Total Pumpage 222,621,000 gallons
 2017 Total Pumpage 251,387,000 gallons

Year 2016

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

Year 2017

Jan.	Avg.	630,710 g.p.d.	Highest Day 771,000 gals.	Total	19,552,000 gallons
Feb.	Avg.	640,790 g.p.d.	Highest Day 885,000 gals	Total	17,942,000 gallons
March	Avg.	611,520 g.p.d.	Highest Day 691,000 gals	Total	18,957,000 gallons
April	Avg.	703,070 g.p.d.	Highest Day 1.173 MGD	Total	21,092,000 gallons
May	Avg.	683,420 g.p.d.	Highest Day 988,000 gals	Total	21,186,000 gallons
June	Avg.	762,230 g.p.d.	Highest Day 1.044 MGD	Total	22,867,000 gallons
July	Avg.	730,580 g.p.d.	Highest Day 953,000 gals	Total	22,648,000 gallons
August	Avg.	745,900 g.p.d.	Highest Day 903,000 gals	Total	23,123,000 gallons
Sept	Avg.	738,170 g.p.d.	Highest Day 996,000 gals	Total	22,145,000 gallons
Oct	Avg.	716,100 g.p.d.	Highest Day 1.055 MGD	Total	22,199,000 gallons
Nov	Avg.	646,500 g.p.d.	Highest Day 783,000 gals	Total	19,395,000 gallons
Dec	Avg.	654,230 g.p.d.	Highest Day 754,000 gals.	Total	20,281,000 gallons

Year 2018

Jan.	Avg.	674,710 g.p.d.	Highest Day 831,000 gals.	Total	20,916,000 gallons
Feb.	Avg.	660,820 g.p.d.	Highest Day 762,000 gals.	Total	18,503,000 gallons

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

WWTP – Holding & Septage Receiving

2005	\$ 87,562.01	2006	\$101,115.11	2007	\$152,201.07	2008	\$210,441.47
2009	\$183,815.34	2010	\$197,653.66	2011	\$220,576.28	2012	\$236,224.70
2013	\$235,336.46	2014	\$203,938.32	2015	\$210,644.47	2016	\$220,473.17
2017	\$232,358.23						

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

2017	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,287,450			10,500	57,100	\$11,503.39
Feb	1,358,400		28,500	1,750	78,550	\$13,361.76
March	1,678,850		22,000	28,100	174,900	\$18,967.89
April	1,581,350			35,600	320,900	\$21,306.63
May	1,745,550			51,150	394,600	\$25,002.63
June	1,664,600			38,700	321,950	\$22,081.26
July	1,599,070			33,100	230,150	\$19,070.78
August	1,669,850			35,100	273,850	\$20,774.14
September	1,430,000			37,350	248,125	\$18,422.13
October	1,710,550			64,200	454,850	\$26,768.38
November	1,541,700			50,150	353,050	\$22,395.00
December	1,174,400			13,700	127,250	\$12,539.26

2018	Holdings (gals)	Grease (gals)	G Decant (gals)	Septage (gals)	S Decant (gals)	Total Billings
Jan	1,627,400			2,250	70,400	\$14,055.51
Feb	1,632,750			1,750	69,850	\$14,061.88

Final Lift for Developed Subdivisions, and other Utility Projects for Bid

The final lift for English Oaks and Stonewall Developments project bids will be reviewed at this meeting. Also, other small projects (Highland Road water main extension, Sherman Road sanitary sewer extension, Stonehedge Storm Sewer, and relocating hydrants with the CTH P Reconstruction Project) bids are being reviewed at this meeting. Special Assessment discussion will follow the bid review.

Rosewood Drive/TIF Expansion Project

TIF #6 has been created for the development of the property. Washington County is reconstructing CTH P in the same area with a start date of May 14, 2018. The proposed construction start date is in May of 2018 for Rosewood Lane project. We are looking is the fiber optic line needs to be lowered along CTH P.

GIS Program

Town and Country Engineering have completed the map changes, and the maps are being shared with the different Departments. Future training is being scheduled.

Storm Water Management Plan

We will continue to monitor the system per the Storm Water Management Plan. The Village is working with the DNR for the reimbursement from the approved grant. The Mid-Moraine Collective Group is working a possible group storm water permit. We have not received the grant money from the DNR.

SCADA Upgrade Project

Town & Country Engineering is working with staff to complete the SCADA System project. Staff is receiving training on the new work order program.

Chateau Drive Reconstruction Project

A meeting will be scheduled early this Spring to create a new punch list to complete the project.

CTH P and STH 60 Intersection Project and old Park-n-Lot Property

Discussion continues with Washington County and WisDOT on ownership. No change.

Ridgeway Drive Reconstruction Project

Cedar Corp is working on the design and plan. The schedule is advertising for bid April 5th and April 12th. Bid opening on April 19th. Board of Public Works bid review on April 24th. The Village Board bid review on May 8th. The informal information meeting is tentatively scheduled for April 24th prior to the Board of Public Works meeting.

WWTP Lab Cabinet Replacement

Colors are being selected for the new cabinets. Production of the cabinets will begin soon.

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