

Rock River Water Reclamation District Rockford, Illinois

Bidding Requirements and Contract Forms

for

2019-2020 Collection System Repairs

Capital Project No. 2034

IEPA Project No. L17-5658

Rock River Water Reclamation District Rockford, Illinois

Bidding Requirements and Contract Forms and *General Provisions and Technical Specifications* for *Sanitary Sewer Construction*

for

2019-2020 Collection System Repairs Capital Project No. 2034 IEPA Project No. L17-5658

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Section I

**Bidding Requirements &
Contract Documents**

Advertisement for Bids

Rock River Water Reclamation District
3501 Kishwaukee Street
PO Box 7480
Rockford, IL 61126

Separate sealed BIDS for the construction of (briefly describe nature, scope, and major elements of the work):

2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658, is comprised of all labor, materials, equipment, and supervision required to complete various repairs to existing sanitary sewer collection facilities. Work includes removal & replacement of sanitary manholes, main line piping, service piping, and all necessary traffic control, restoration and appurtenances as indicated in the specifications.

Bids will be received by Rock River Water Reclamation District at the office of 3501 Kishwaukee Street, Rockford, Illinois 61109 until 10:00 a.m., Thursday May 30, 2019, and then at said office publicly opened and read aloud.

“Any contract or contracts awarded under this invitation for bids are expected to be funded in part by a loan from the Illinois Environmental Protection Agency (Illinois EPA). Neither the State of Illinois nor any of its departments, agencies, or employees is or will be a party to this invitation for bids or any resulting contract. The procurement will be subject to regulations contained in the Procedures for Issuing Loans from the Water Pollution Control Loan Program (35 IAC Part 365), the Davis-Bacon Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor, the Employment of Illinois Workers on Public Works Act (30 IL CS 570), and the “Use of American Iron and Steel” requirements as contained in Section 436 of H.R. 3547, The Consolidated Appropriations Act, 2014. This procurement is also subject to the loan recipient’s policy regarding the increased use of disadvantaged business enterprises. The loan recipient’s policy requires all bidders to undertake specified affirmative efforts at least sixteen (16) days prior to bid opening. The policy is contained in the specifications. Bidders are also required to comply with the President’s Executive Order No. 11246, as amended. The requirements for bidders and contractors under this order are explained in 41 CFR 60-4.”

The CONTRACT DOCUMENTS may be examined at the following locations:

Bid documents may be obtained by contacting the Engineering Department at the Rock River Water Reclamation District, (815)-387-7660, 3501 Kishwaukee Street, Rockford, IL 61109, upon payment of \$100.00 for each set. The amount of the deposit for each set of specifications will not be refunded. For more information visit the District’s website at www.rwrwd.dst.il.us. Plans and specifications are available for viewing at the Rock River Water Reclamation District Engineering Department and the Northern Illinois Building Contractors Association, whose office is located at 1111 S. Alpine Road, Rockford, Illinois.

Bidder's attention is directed to Instruction to Bidders, Section 3.8, Statement of Qualifications.

Each proposal must be accompanied by the Rock River Water Reclamation District Bid Bond form with an acceptable Bid Security attached, in the amount of not less than five percent (5%) of the total bid price. This sum is a guarantee that, if the Proposal is accepted, a contract will be entered into and its performance properly secured.

The Rock River Water Reclamation District reserves the right to reject any or all bids or any part thereof, or to accept any bid or any part thereof, or to waive any formalities in any bids, deemed to be in the best interest of the Rock River Water Reclamation District.

Dated: April 11, 2019

By: Chris Black
Chris Black, Business Manager

Information for Bidders

BIDS will be received by Rock River Water Reclamation District (herein called the "OWNER"), at 3501 Kishwaukee St., Rockford IL 61109 until 10:00 a.m., Thursday, May 30, 2019, and then at said office publicly opened and read aloud.

Each BID must be submitted in a sealed envelope, addressed to RRWRD, Engineering Department, 3501 Kishwaukee Street, Rockford IL 61109. Each sealed envelope containing a BID must be plainly marked on the outside as "BID for 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658" and the envelope should bear on the outside the name of the BIDDER, his/her address, his/her license number (if applicable), and the name of the project for which the BID is submitted. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the RRWRD, Engineering Department, 3501 Kishwaukee Street, Rockford IL 61109.

All BIDS must be made on the required BID form. All blank spaces for BID prices must be filled in, in ink or typewritten, and the BID form must be fully completed and executed when submitted. Only one (1) copy of the BID form is required.

Any BID may be modified or withdrawn prior to the above scheduled time for opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within ninety (90) days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities in the BID Schedule by examination of the site and a review of the drawings and specifications including ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities of WORK or of the nature of the WORK to be done.

The OWNER shall provide the BIDDERS prior to BIDDING, all information that is pertinent to, and delineates and describes, the land owned and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the construction of the PROJECT. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the contract.

A BID bond payable to the OWNER must accompany each BID for five percent (5%) of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the BONDS of all except the three (3) lowest responsible BIDDERS. When the Agreement is executed, the bonds of the two (2) remaining unsuccessful BIDDERS will be returned. The BID BOND of the successful BIDDER will be retained until the payment of BOND and performance BOND have been executed and approved, after which it will be returned.

A performance BOND and payment BOND, each in the amount of 100 percent of the CONTRACT PRICE, with a corporate surety approved by the OWNER, will be required for the faithful performance of the contract.

Attorneys-in-fact who sign BID BONDS or payment BONDS and performance BONDS must file with each BOND a certified and effective dated copy of their power of attorney.

Any contract entered into by the loan recipient and any sub-agreement hereunder, shall provide that representatives of the Agency will have access to the work whenever it is in preparation or progress and that the contractor or subcontractor will provide proper facilities for such access and inspection. Such contract or sub-agreement must also provide that the Agency or any authorized representative shall have access to any books, documents, papers, and records of the contractor or subcontractor, which are pertinent to the project for the purpose of making audit, examination, excerpts, and transcriptions thereof.

The party to whom the contract is awarded will be required to execute the Agreement and obtain the performance BOND and payment BOND within ten (10) calendar days from the date when NOTICE OF AWARD is delivered to the BIDDER. The necessary Agreement and BOND forms shall accompany the NOTICE OF AWARD. In case of failure of the BIDDER to execute the Agreement, the OWNER may at his option consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER.

The OWNER within ten (10) days of receipt of acceptable performance BOND, payment BOND and Agreement signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed triplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw his signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

The OWNER shall issue the NOTICE TO PROCEED within ten (10) days of the execution of the Agreement. Should there be reasons why the NOTICE TO PROCEED cannot be issued within such period, the time may be extended by mutual agreement between the OWNER and CONTRACTOR. If the NOTICE TO PROCEED has not been issued within the ten (10) day period or within the period mutually agreed upon, the CONTRACTOR might terminate the Agreement without further liability on the part of either party.

The OWNER may make such investigations as he deems necessary to determine the ability of the BIDDER to perform the WORK, and the BIDDER shall furnish to the OWNER all such information and data for this purpose as the OWNER may request. The OWNER reserves the right to reject any BID if the evidence submitted by, or investigation of, such BIDDER fails to satisfy the OWNER that such BIDDER is properly qualified to carry out the obligations of the Agreement and to complete the WORK contemplated therein.

A conditional or qualified BID will not be accepted.

Award will be made to the low, responsive, responsible BIDDER.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout including the Employment of Illinois Workers on Public Works Act (30 ILCS 570) and the Davis-Bacon Wage Act (40 USC 276a through 276a-5) as defined by the United States Department of Labor.

All BIDDERS will comply with Sec. 436 of H.R. 3547, "The Consolidated Appropriations Act, 2014", which specifies that all "iron and steel products" used in the project are produced in the United States.

BIDDER shall not discriminate on the basis of race, color, national origin or sex in performance of this contract. The Contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

Each BIDDER is responsible for inspecting the site for reading and being thoroughly familiar with the CONTRACT DOCUMENTS. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his BID.

Each BIDDER shall supply a list of all subcontractors that submitted proposals and if requested by the OWNER all major material suppliers.

The PROJECT ENGINEER is Matt Campbell. His direct line is 815.387.7684 and his email address is mcampbell@rwrdrd.illinois.gov.

Instructions to Bidders

1 General

1.1 Scope and Intent

This section of the contract documents is concerned with furnishing detailed information and requirements for preparing bids to prospective bidders, bidders' responsibility, the preparation and the submission of bids, basis for awarding the contract and other general information concerned with bidding and executing the contract.

1.2 Contradictions

If in the case of apparent contradiction between or among the Contract Documents, the Contract Documents shall be consulted in the following order: Addenda, Agreement, Supplementary Drawings, Instructions to Bidders, Detailed Specifications, Plans, District General Provisions and Technical Specifications for Sanitary Sewer Construction. The language in the first such document in which language regarding the conflict, error or discrepancy occurs shall control.

2 Legal Requirements

2.1 Illinois Regulations

1. The undersigned, as Bidder, declares he will comply with prevailing wages in accordance with the Illinois Department of Labor Standards. The State of Illinois requires contractors and subcontractors on public works projects (including Rock River Water Reclamation District) to submit certified payroll records on a monthly basis, along with a statement affirming that such records are true and accurate, that the wages paid to each worker are not less than the required prevailing rate and that the contractor is aware that filing false records is a Class B Misdemeanor.

The certified payroll records must include the name, address, telephone number, social security number, job classification, hourly wages paid in each pay period, the number of hours worked each day, and the starting and ending time of work each day, for every worker employed on the project. Any contractor who fails to submit a certified payroll or knowingly files a false certified payroll is guilty of a Class B Misdemeanor. Certified payroll reports shall be submitted on standard I.D.O.T. forms.

2. Public Act 83-1030 entitled "Steel Products Procurement Act" requires that steel products used or supplied in performance of this contract or subcontract shall be manufactured or produced in the United States with three exceptions.

The provisions of this Section shall not apply:

- a. Where the contract involves an expenditure of less than \$500.
- b. Where the executive head of the public agency certifies in writing that
 - i. the specified products are not manufactured or produced in the United States in sufficient quantities to meet the agency's requirements, or
 - ii. obtaining the specified products, manufactured or produced in the United States would increase the cost of the contract by more than 10%.
- c. When its application is not in the public interest.

3. Article 2 of Public Act 83-1472 provides that Illinois residents be employed on Illinois public works projects, provided there has been a period of excessive unemployment (5%) in the State of Illinois as defined in the Act; and, further, that Illinois workers are available and capable of performing the particular type work involved.
4. Public Act 99-093 requires that any party to a contract adopt and promulgate written sexual harassment policies that include, as a minimum, the following information:
 - a. the illegality of sexual harassment
 - b. the definition of sexual harassment under Illinois State law
 - c. a description of sexual harassment, utilizing examples
 - d. my (our) organization's internal complaint process including penalties
 - e. the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission
 - f. directions on how to contact the Department and the Commission
 - g. protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act

Upon request, this information shall be provided to the Illinois Department of Human Rights and the District.

5. With regard to nondiscrimination in employment, the Contractor for this project will be required to comply with the Illinois Fair Employment Practices Commission's Rules and Regulations.
6. The Contractor for this project shall comply with the Occupational Safety and Health Act.
7. The Contractor for this project shall comply with the Federal Drug-Free Workplace Act.
8. Public Act 96-1416 requires the certification of Clean Construction and Demolition Debris (CCDD) and uncontaminated soil prior to disposal at a CCDD fill site. The Contractor for this project shall comply with Public Act 96-1416 and be responsible for the certifications and any fees associated with the disposal at a CCDD fill site.
 - a. In the event that contaminated soil is uncovered on the project, the Contractor shall notify the District immediately. Any extra costs resulting from the presence of contaminated soil shall be in accordance with District General Provisions & Technical Specs for Sanitary Sewer Construction; General Conditions: Article 5 – Time Provisions and Article 8 – Changes.

2.2 Americans with Disabilities Act

The Contractor for this project will comply with all applicable requirements of the Americans with Disabilities Act of 1990 (ADA). The Contractor will hold harmless and indemnify the District and their representatives from all:

1. suits, claims, or actions
2. costs, either for defense (including, but not limited to, reasonable attorney's fees and expert witness fees) or for settlement
3. damages of any kind (including, but not limited to, actual, punitive, and compensatory damages) relating in any way to or arising out of the ADA, to which said firm is exposed or which it incurs in the execution of the contract.

3 General Instructions

3.1 Bidder's Responsibility

Bidders are cautioned not to submit proposals until having carefully examined the entire site of the proposed work and adjacent premises and the various means of approach and access to the site, and having made all necessary investigations to inform themselves thoroughly as to the facilities for delivering, placing and handling the materials at the site, and having informed themselves thoroughly as to all difficulties involved in the completion of all the work under this Contract in accordance with its requirements.

Bidders must examine the Plans, Specifications and other Contract Documents and shall exercise their own judgment as to the nature and amount of the whole of the work to be done and for the bid prices must assume all risk of variance, by whomsoever made, in any computation or statement of amount or quantities necessary to complete fully the work in strict compliance with the Contract Documents. The Bidder must satisfy himself by making borings or test pits, or by such methods as he may prefer, as to the character and location of the materials to be encountered or work to be performed. No pleas of ignorance of conditions that exist or that may hereafter exist, or of conditions or difficulties that may be encountered in the execution of the work under this Contract, as a result of failure to make the necessary examinations and investigations, will be accepted as an excuse for any failure or omission on the part of the Contractor to fulfill, in every detail, all of the requirements of the Contract Documents, or will be accepted as a basis for any claims whatsoever for extra compensation or for an extension of time.

The Contractor is responsible for verifying the location of all existing utilities in project area.

The Bidder, therefore, shall satisfy himself by such means as he may deem proper as to the location of all structures that may be encountered in construction of the work.

3.2 Addenda and Interpretations

No interpretation of the meaning of the Plans, Specifications, or other Contract Documents will be made to any bidder orally. Every request for such interpretation must be in writing addressed to the Rock River Water Reclamation District, 3501 Kishwaukee Street, Rockford, Illinois. To be given consideration, such request must be received at least five (5) days prior to the date fixed for the opening of bids. Any and all such interpretations and any supplemental instructions will be in the form of written addenda which, if issued, will be sent by email, fax or certified mail, with acknowledgement of receipt requested, to all prospective bidders, at the respective addresses furnished for such purposes, not later than three (3) days prior to the date fixed for the opening of bids. Failure of any bidder to receive any such addenda or interpretation shall not relieve said bidder from any obligation under his bid as submitted. All addenda so issued shall become part of the Contract Documents.

3.3 Laws and Regulations

The prospective bidder is warned that he must comply with all laws of the United States Government, State of Illinois, all ordinances and regulations of the Rock River Water Reclamation District in the performance of the work under this contract. The Bidder's attention is specifically called to that provision of the General Conditions regarding the rate of wage to be paid on the work.

3.4 Quantities Estimated Only

Bidders are warned that the estimate of quantities of the various items of work and materials, as set forth in the proposal form, is approximate only and is given solely to be used as a uniform basis for the comparison of bids. The quantities actually required to complete the contract work may be less or more than so estimated, and if awarded a contract for the work specified, the Contractor further agrees that he will not make any claim for damages or for loss of profits or for an extension of time because of a difference between the quantities of the various classes of work assumed for comparison of bids and quantities of work actually performed.

3.5 Form, Preparation, and Presentation of Proposals

For particulars as to the quantity and quality of the supplies, materials and equipment to be furnished, and the nature and extent of the work or labor to be done, prospective bidders are referred to the Contract Documents, which may be examined or obtained at the office of the District.

Each bid will be submitted upon the prescribed proposal form. All blank spaces for bid prices must be filled in, in ink, with the unit or total sum or both for which the proposal is made. If the proposal contains any omissions, erasures, alterations, additions or items not called for in the itemized proposal, or contains irregularities of any kind, such may constitute sufficient cause for rejection of bid. In case of any discrepancy in the unit price or amount bid for any item in the proposal, the unit price as expressed in figures will govern. In no case is the agreement form to be filled out or signed by the bidder.

Should the Contractor desire to have an electronic proposal form e-mailed to him, the Contractor should contact the District's Engineering Department at (815) 387-7660. This form must be attached to the hard copy proposal form and appropriately signed and executed with the bid.

The bid must be verified and be presented on the prescribed form in a sealed envelope on or before the time and at the place stated in the Advertisement for Bids, endorsed with the name of the person, firm or corporation presenting it, the date of presentation, and the title of the work for which the bid is made. If forwarded by mail, the sealed envelope containing the proposal and marked as directed above, must be enclosed in another envelope addressed to Clerk of the Rock River Water Reclamation District, 3501 Kishwaukee Street, Rockford, Illinois, and be sent preferably by certified mail. The District will not accept facsimile generated bids.

3.6 Bid Security

Each proposal must be accompanied by the District Bid Bond form with an acceptable bid security attached in an amount of not less than five percent (5%) of the total bid price. This sum is a guarantee that, if the Proposal is accepted, a contract will be entered into and its performance properly secured. Failure to provide a Bid Security in the amount specified will constitute sufficient cause for rejection of the bid. **The District's Bid Bond Form included in the bid packet must be used. No other Bid Bond form may be substituted.**

Within ten (10) days after opening of bids, the deposits of all but the three lowest bidders will be returned. The deposits of the remaining two unsuccessful bidders will be returned within three (3) days after the execution of the contract, or, if no such contract has been executed, within ninety (90) days after the date of opening bids. The deposit of the successful bidder will be returned only after he has duly executed the contract and furnished the required bond and insurance.

3.7 Affidavit of Compliance

Each proposal must be accompanied by an executed Affidavit of Compliance. A separate Affidavit of Compliance form is enclosed with the Proposal packet. Failure to submit an executed Affidavit of Compliance with the proposal may constitute sufficient cause for rejection of the bid.

3.8 Statement of Qualifications

Each proposal must be accompanied by a Statement of Qualifications certifying that the bidder is registered to do business in the State of Illinois and has an operating business office as described in 3.10.2 – Evaluation of Responsibility. The proposal must provide documentation that the bidder possesses the appropriate financial, material, equipment, facility and personnel resources and expertise necessary to meet all contractual obligations as described in 3.10.2, Evaluation of Responsibility. Also, the Bidder shall document no less than three (3) contracts for similar projects within the past five (5) years having equal or greater value to the bid being submitted. The District reserves the right to request additional information as needed to evaluate bids prior to making an award.

3.9 Comparison of Proposals

Bids on item contracts will be compared on the basis of a total computed price arrived at by taking the sum of the estimated quantities of each item, multiplied by the corresponding unit prices and including any lump sum bids on individual items, in accordance with the estimate of quantities set forth in the proposal form. Bids on lump sum contracts will be considered upon the basis of the lowest sum bid.

3.10 Acceptance of Bids and Basis of Award

No bidder may withdraw his bid after the scheduled closing time for receipt of bids, for at least ninety (90) days.

The contract will be awarded, if at all, to the lowest responsive, responsible bidder. The Rock River Water Reclamation District also reserves the right to reject any or all bids.

The bidder whose proposal is accepted shall enter into a written contract for the performance of the work and furnish the required bonds and insurance certificate within ten (10) days after written notice by the Engineering Manager of the District has been served on such bidder personally or by mailing a postpaid wrapper to such bidder at the address given in his proposal. If the bidder to whom the contract is awarded refuses or neglects to execute it or fails to furnish the required bond and insurance within five (5) days after receipt by him of the notice, the amount of his deposit shall be forfeited and shall be retained by the District as liquidated damage and not as a penalty. It being now agreed that said sum is a fair estimate of the amount of damages that the District will sustain in case said bidder fails to enter into a contract and furnish the required bond and insurance. No plea of mistake in the bid shall be available to the bidder for the recovery of his deposit or as a defense to any action based upon the neglect or refusal to execute a contract.

3.10.1 Evaluation of Responsiveness

The responsiveness of bidders will be judged on the basis of the completeness of the bid submitted. To be responsive, a Bid must be submitted on the forms provided as part of the Bid Documents and comply with all the requirements of the Instruction to Bidders.

3.10.2 Evaluation of Responsibility

To be judged as responsible, the bidder shall:

- a. Have adequate financial resources for performance, the necessary experience, organization, technical qualifications, and facilities, or a firm commitment to obtain such by subcontracts;
- b. Be able to comply with the required completion schedule for the project;
- c. Have a satisfactory record of integrity, judgment, and performance, including, in particular, any prior performance on contracts from the District;
- d. Have an adequate financial management system and audit procedures, that provide efficient and effective accountability and control of all property, funds, and assets;
- e. Conform to the civil rights, equal employment opportunity and labor law requirements of the Bid Documents.
- f. Have satisfactorily completed no less than three (3) similar contracts within the last five (5) years of equal or greater value to bid being submitted.
- g. Certify that he currently participates in an apprenticeship or training program that is registered with the United States Department of Labor's Bureau of Apprenticeship and Training or other acceptable State of Illinois Department of Labor monitored program.

3.11 The Rejection of Bids

The District reserves the right to reject any bid if the evidence submitted in the statement of the bidder's qualifications, or if investigation of such bidder fails to satisfy either the District that such bidder is properly qualified to carry out the obligations and to complete the work contemplated therein. Any or all proposals will be rejected if there is reason to believe that collusion exists among the bidders. Conditional bids will not be accepted. The District reserves the right to reject any and all bids and to accept the bid which they deem most favorable to the interest of the District after all proposals have been examined and canvassed.

3.12 Insurance and Bonding

Contractor shall provide all necessary insurance and bonds required to complete the project. No more than ten (10) calendar days subsequent to the District's issuance of an award letter, the Contractor shall provide documentation to prove that he has obtained all required insurance and bonds. The District shall be the sole judge as to the acceptability of any such proof.

Contractor shall provide and maintain all insurance and bonds as required by the District.

3.12.1 General

The Contractor shall ensure that:

1. All insurance policies shall be specific to the project.
2. The insurance certificate shall state: This certifies that the insurance coverage meets or exceeds that required for the 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658.
3. The Rock River Water Reclamation District shall be named as additional insured in all policies; this shall include the Owners Contractors Protective Policy option.

4. All completed operations coverages and bonds shall remain in force for a period of two (2) years following acceptance of the project and completed operations shall stay in force for two (2) years following completion of the project.

3.12.2 Insurance

The Contractor shall, for the duration of the contract and for two (2) years following project acceptance, maintain the following:

1. General Liability: \$1,000,000 combined single limit per occurrence for bodily injury, personal injury and property damage. If Commercial General Liability Insurance or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to this project or the general aggregate limit shall be twice the required occurrence limit. The Contractor shall provide "XCU" coverage.
2. Automobile Liability: \$1,000,000 combined single limit per accident for bodily injury and property damage including coverages for owned, hired or non—owned vehicles, as applicable.
3. Workers' Compensation and Employers Liability: Workers' Compensation limits as required by statute and Employers Liability limits of \$500,000 per accident and \$500,000 per disease.
4. Umbrella: \$2,000,000 per occurrence/aggregate for contracts valued at \$500,000 or over, or \$1,000,000 for contracts below \$500,000. \$10,000 is maximum allowable self-retained limit.
5. Errors and Omissions: If the Contractor performs professional services, he shall maintain errors and omissions insurance with a limit no lower than \$1,000,000 for the duration of the contract.

The policies shall contain, or be endorsed to contain, the following provisions in the General Liability and Automobile Liability Coverage's:

- a. Unless otherwise provided in paragraph "c" of this section, the District, its officers, officials, employees and volunteers shall be covered as additional insureds as respects liability arising out of activities performed by or on insured's general supervision of the Contractor, products and completed operations of the Contractor, premises owned, occupied or used by the Contractor, or automobiles owned, leased, hired or borrowed by the Contractor. The coverage shall contain no special limitations on the scope of protection afforded to the District, its officers, officials, employees, volunteers, or agents.
- b. Unless otherwise provided in paragraph "c" of this section, the Contractor's insurance coverage shall be primary insurance as respects the District, its officers, officials, employees, volunteers, and agents. Any insurance or self-insurance maintained by the District, its officers, officials, employees, volunteers, or agents shall be excess of the Contractor's insurance and shall not contribute with it.
- c. As an acceptable alternative to provisions "a" and "b" of this section, the Contractor may provide owner's and contractor's protective liability insurance with coverage limits, named insureds, and in conformity with all applicable specifications of this section.
- d. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to the District, its officers, officials, employees, volunteers, or agents.

- e. The Contractor's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability.
- f. All Coverages — Each insurance policy required by this clause shall not be suspended, voided, canceled by either party, reduced in coverage, or in limits except after thirty (30) days' prior written notice by certified mail, return receipt requested, has been given to the District.

3.12.3 Best's Ratings

The District shall be the sole judge of whether or not said insurer's ratios are satisfactory. The District's decision shall be final and the District's bidding procedures contain no appeal provision.

1. **Alphabetical Rating:** For purposes of this Request for Bids, "insurer" shall mean any surety, insurance carrier, or other organization which proposes to provide an insurance policy or bond for the Contractor. No insurer or surety rated lower than "A-, Excellent" in the current *Best's Key Rating Guide* shall be acceptable to the District.
2. **Financial Size Rating:** Provided an insurer's alphabetical rating is satisfactory, the District will examine said insurer's financial size rating.
 - a. If Best classifies the insurer XII or larger, said insurer shall be acceptable to the District.
 - b. If Best classifies the insurer as smaller than XII, but larger than VI, said insurer shall be submitted to the District's Business Manager and/or the District's insurance consultant for review.

Financial Size ratings less than VII are not acceptable and will disqualify the Contractor.

3.12.4 Performance Bond and Labor & Materials Bond Form

The Contractor shall provide a Performance Bond and Labor & Materials Bond form acceptable to the District. The performance bond shall be for either 100% of the contract price or for the Contractor's unit price times the estimated number of units, as applicable.

This Request for Bids contains a Performance Bond and a Labor & Materials Bond form for the Contractor's use.

If the Contractor fails to provide an acceptable bond within the specified time, he shall be in default.

3.12.5 Correction of Contractor's Insurance or Bond Deficiencies

If the District determines that the Contractor's insurance or bond documentation does not conform to these specifications, the District shall inform said Contractor of the non-conformity. If said Contractor fails to provide conforming insurance or bond documentation within five (5) calendar days of the District's deficiency notice, he shall be in default.

3.12.6 Indemnification Clause

Contractor shall protect, indemnify, hold and save harmless and defend the District, its officers, officials, employees, volunteers, and agents against any and all claims, costs, causes, actions and expenses, including but not limited to attorney's fees incurred by reason of a lawsuit or claim for compensation arising in favor of any person, including the employees, officers, independent contractors, or subcontractors of the Contractor or District, on account of personal injuries or death,

or damages to property occurring, growing out of, incident to, or resulting directly or indirectly from the performance by the Contractor or subcontractor, whether such loss, damage, injury or liability is contributed to by the negligence of the District or by premises themselves or any equipment thereon whether latent or patent, or from other causes whatsoever, except that the successful bidder shall have no liability for damages or the costs incident thereto caused by the sole negligence of the District.

The indemnification shall not be limited by a limitation on amount or type of damages payable by or for the Contractor or its subcontractor under any employee benefits act including, but not limited, to the Workers Compensation Act.

No inspection by the District, its employees, or agents shall be deemed a waiver by the District of full compliance with the requirements of the Contract. This indemnification shall not be limited by the required minimum insurance coverages in the Contract.

3.12.7. Funding Requirements

Any contract or contracts awarded under this invitation for bids are expected to be funded by a loan from the Illinois Environmental Protection Agency (IEPA). Neither the State of Illinois nor any of its departments, agencies, or employees is or will be a party to this invitation to bids or any resulting contract. The procurement will be subject to regulations contained in the procedures for issuing loans from the State Revolving Loan Fund Program. The Davis-Bacon Act (40 USC 276a through 276a-5), and the Employment of Illinois Worker's on Public Works Act (30 ILCS CS 570). This procurement is also subject to the loan recipient's policy regarding the increased use of disadvantaged business. The loan recipient's policy requires all Bidders to undertake specified affirmative efforts at least 16 days prior to the day of the bid opening. The policy is contained in the Specifications. Bidders also required to comply with the President's Executive Order No. 11246, as amended. The requirements for bidders and contractors under this order are explained in 41 CFR 60-4.

3.12.8 Subcontractor's Payments

Contractor shall pay Subcontractors for satisfactory performance no more than thirty (30) days from the Contractor's receipt of payment from the District.

3.13 Tax Exemption

The District is exempt, by law, from paying bidder Federal Excise Tax and Illinois Retailers' Occupational Tax. Therefore, the bidder shall exclude those taxes from his bid. The District's tax exemption number is E9992-3696-06. The bidder shall include only applicable taxes in his bid price.

3.14 Guarantee and Maintenance

The Contractor shall promptly repair, replace, restore or rebuild any imperfections that may arise and shall maintain, satisfactory to the District, all work for a period of one (1) year from the date of formal acceptance of the Contract, except where more extended guarantee and maintenance is provided for. The Contractor shall, for this period, indemnify and save harmless the District, its officers and agents from any injury or damage done to persons or property as a direct or alleged result of imperfections in the Contractor's work, and shall immediately assume and take charge of the defense of such action or suits in like manner and to all intents and purposes as if said actions and suits had been brought directly against the Contractor.

If the Contractor shall fail to promptly repair, replace, rebuild or restore such defective or damaged work after receiving notice given by the District, the District shall have the right to have the work done by others and to call on the Contractor and his bondsman to pay the costs thereof.

Bid Form or Proposal

Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of _____ doing business as _____ (Insert "a corporation" or "a partnership" or "an individual" as applicable) to the Rock River Water Reclamation District (hereinafter called "OWNER").

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK for the construction of 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658 in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED and to fully complete by November 1, 2019. BIDDER further agrees to pay as liquidated damages, the sum of \$300.00 for each consecutive calendar day thereafter.

BIDDER certifies that all iron and steel products used in the project for the construction, alteration, maintenance, or repair of a public water system are produced in the United States in compliance with Section 436.(a) – (f) of H.R. 3547, "The Consolidated Appropriation Act, 2014."

(I) By submission of the bid, each bidder certifies, and in the case of a joint bid, each party certifies as to his own organization, that in connection with the bid:

- (i) The prices in the bid have been arrived at independently, without consultation, communication, or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor;
- (ii) Unless otherwise required by law, the prices which have been quoted in the bid have not knowingly been disclosed by the bidder, prior to opening, directly or indirectly to any other bidder or to any competitor; and
- (iii) No attempt has been made or will be made by the bidder to induce any other person or firm to submit or not to submit a bid for the purpose of restricting competition.

(II) Each person signing the bid shall certify that:

- (i) He is the person in the bidder's organization responsible within that organization for the decision as to the prices being bid and that he has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above; or
- (ii) He is not the person in the bidder's organization responsible within that organization for the decision as to the prices being bid but that he has been authorized to act as agent for the persons responsible for such decision in certifying that such persons have not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above, and as their agent shall so certify; and shall also certify that he has not participated, and will not participate, in any action contrary to (I)(i) through (I)(iii) above.

BIDDER acknowledges receipt of the following ADDENDUM (where applicable):

BIDDER certifies that wages paid in connection with the PROJECT shall be paid at prevailing rates not less than those prevailing under the Davis-Bacon Wage Act. Bidder further certifies that the provisions contained in the following clauses will be exercised in the performance of any contract resulting from this BID and are made a part of the CONTRACT DOCUMENTS thereto by their inclusion in the BID as follows:

(1) Minimum wages

(i) All laborers and mechanics employed or working upon the site of the work will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under Section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section: also, regular contributions made or costs incurred for more than a weekly period (but not less than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in § 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: Provided, that the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers. Subrecipients may obtain wage determination from the US Department of Labor's website www.dol.gov.

(ii)(A) The subrecipient, on behalf of US EPA, shall require that any class of laborers or mechanics including helpers, which is not listed in the wage determination and which is to be employed under the contract shall be classified in conformance with the wage determination. The US EPA award official shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:

(1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

(2) The classification is utilized in the area by the construction industry; and

(3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.

(B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the subrecipient agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the subrecipient to IEPA. IEPA will forward the report to the Administrator of the Wage and Hour Division, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify or disapprove every additional classification action within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

(C) In the event the contractor, the laborer or mechanics to be employed in the classification or their representatives, and the subrecipient do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), IEPA shall refer the questions, including the views of all interested parties and the recommendation of the subrecipient, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise IEPA or will notify IEPA within the 30-day period that additional time is necessary.

(D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii)(B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in that classification.

(iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics including a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.

(iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program. Provided, that the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside, in a separate account, assets for the meeting of obligations under the plan or program.

(2) Withholding. The subrecipient shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the

work, all or part of the wages required by the contract, the subrecipient may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

(3) Payrolls and basic records

(i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter all laborers and mechanics working at the site of the work. Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that that plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.

(ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the subrecipient. Such documentation shall be available on request of IEPA or US EPA. The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division website at www.dol.gov/esa/whd/forms/wh347instr.htm or its successor site www.dol.gov/whd/forms/index.html. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the subrecipient, for transmission to the IEPA, US EPA, the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the subrecipient.

(B) Each payroll submitted shall be accompanied by a "Statement of Compliance," signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:

(1) That the payroll for the payroll period contains the information required to be provided under § 5.5(a)(3)(ii) of Regulations, 29 CFR Part 5, the appropriate information is being maintained under § 5.5(a)(3)(i) of Regulations, 29 CFR Part 5, and that such information is correct and complete.

(2) That each laborer and mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR Part 3;

(3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.

(C) The weekly submission of properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.

(D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.

(iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(1) of this section available for inspection, copying, or transcription by authorized representatives of IEPA, US EPA, or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.

(4) Apprentices and trainees

(i) Apprentices. Apprentices will be permitted to work at less than predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as state above, shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the job site in excess of the ration permitted under the registered program shall be

paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid in the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with the determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(ii) Trainee. Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by form certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at the trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will not longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

(iii) Equal employment opportunity. The utilization of apprentices, trainees, and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.

(5) Compliance with Copeland Act requirements. The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

(6) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the US EPA may be appropriate instruction require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.

(7) Contract termination: debarment. A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.

(8) Compliance with Davis-Bacon and Related Act requirements. All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.

(9) Disputes concerning labor standards. Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29 CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.

(10) Certification of eligibility.

(i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).

(iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C. 1001.

4. Contract Provision for Contracts in Excess of \$100,000 – clauses (1) through (4) shall be inserted in full in any contract in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act.

Contract Work Hours and Safety Standards Act.

(1) Overtime requirements. No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.

(2) Violation: liability for unpaid wages: liquidated damages. In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible therefore shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be liable to the

United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanics, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$25 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

(3) Withholding for unpaid wages and liquidated damages. The subrecipient, shall upon its own action or upon written request of the US EPA award official or an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.

(4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clause set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.

The following shall be inserted into any contract subject only to the Contract Work Hours and Safety Standards Act.

The contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three (3) years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the US EPA and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

BIDDER agrees to perform all the work described in the CONTRACT DOCUMENTS for the following unit prices or lump sum:

Bid Schedule

NOTE: BIDS shall include sales tax and all other applicable taxes and fees.

No.	Item	Quantity	Unit	Unit Price	Total Price
1	14th St. & 17th Ave.	1	LS	\$ -	\$ -
2	15th St & 17th Ave.	1	LS	\$ -	\$ -
3	14th St. & 16th Ave.	1	LS	\$ -	\$ -
4	15th St. & 16th Ave.	1	LS	\$ -	\$ -
5	1307 15th Ave.	1	LS	\$ -	\$ -
6	Rose Ave. & Hopkins Ct.	1	LS	\$ -	\$ -
7	13th St. & 12th Ave.	1	LS	\$ -	\$ -
8	13th St. & 9th Ave.	1	LS	\$ -	\$ -
9	1106 15th St.	1	LS	\$ -	\$ -
10	1102 15th St.	1	LS	\$ -	\$ -
11	Corbin St. & Montague St.	1	LS	\$ -	\$ -
12	846 Montague St.	1	LS	\$ -	\$ -
13	1519 Montague St.	1	LS	\$ -	\$ -
14	1605 Montague St.	1	LS	\$ -	\$ -
15	400 Block Regan St.	1	LS	\$ -	\$ -
16	S Rockford Ave & Louisa St.	1	LS	\$ -	\$ -
17	703 Winthrop Ln.	1	LS	\$ -	\$ -
18	N Independence Ave. & Andrews St.	1	LS	\$ -	\$ -
19	Miriam Ave. & School St.	1	LS	\$ -	\$ -
20	N Court St. & John St.	1	LS	\$ -	\$ -
21	924 S. 5th St.	1	LS	\$ -	\$ -
22	906 S. 5th St.	1	LS	\$ -	\$ -

TOTAL OF BID..... \$

Bidder is currently certified as an MBE or WBE under EPA'S DBE Program? Yes _____ No _____

Respectfully submitted:

Signature

Mailing Address

Printed Name

City State, Zip

Title

Email Address

Telephone Number

Fax Number

(SEAL - if BID is by a corporation)

Attest: _____

Not to be used for bidding purposes

Major Items of Equipment

It is hereby expressly agreed that the Contractor shall furnish and install in full compliance with the Plans and Contract Documents, the major items of equipment, as manufactured or supplied by the following listed manufacturers or suppliers:

No.	Description	Manufacturer or Supplier
1.		
2.		
3.		
4.		
5.		
6.		
7.		
8.		
9.		
10.		
11.		
12.		
13.		

Current Winnebago County Prevailing Wage Rates

Effective Date	County	Trade Title	Region	Type	Class	Base Wage	Foreman Wage	OT M-F	OT Sa	OT Su	OT Hol	H/W	Pension	Vacation	Training	Other Fringe Benefit
8/15/2018	Winnebago	Asbestos ABT-GEN	All	BLD		\$ 37.75		1.5	1.5	2.0	2.0	\$ 8.92	\$ 14.49	\$ 4.87	\$ 0.80	\$ -
8/15/2018	Winnebago	Asbestos ABT-MEC	All	BLD		\$ 18.95		1.5	1.5	2.0	2.0	\$ 2.70	\$ 3.35	\$ -	\$ -	\$ -
8/15/2018	Winnebago	Boilermaker	All	BLD		\$ 49.46	\$ 53.91	2.0	2.0	2.0	2.0	\$ 6.97	\$ 20.41	\$ -	\$ 0.40	\$ -
8/15/2018	Winnebago	Brick Mason	All	BLD		\$ 41.45	\$ 50.81	1.5	1.5	2.0	2.0	\$ 11.05	\$ 14.00	\$ -	\$ 1.33	\$ -
8/15/2018	Winnebago	Carpenter	All	BLD		\$ 40.00		1.5	1.5	2.0	1.5	\$ 11.10	\$ 14.61	\$ -	\$ 1.32	\$ -
8/15/2018	Winnebago	Carpenter	All	HWY		\$ 43.74		1.5	1.5	2.0	2.0	\$ 10.65	\$ 14.00	\$ -	\$ 0.49	\$ -
8/15/2018	Winnebago	Cement Mason	All	ALL		\$ 37.00		1.5	1.5	2.0	2.0	\$ 11.55	\$ 16.83	\$ -	\$ 0.59	\$ -
8/15/2018	Winnebago	Ceramic Tile Finisher	All	BLD		\$ 35.05	\$ 35.05	1.5	1.5	2.0	2.0	\$ 10.35	\$ 7.11	\$ -	\$ 0.78	\$ -
2/22/2019	Winnebago	Communication Tech	All	BLD		\$ 40.25	\$ 44.28	1.5	1.5	2.0	2.0	\$ 13.19	\$ 14.20	\$ -	\$ 0.81	\$ -
8/15/2018	Winnebago	Electric Power Equipment Operator	All	ALL		\$ 42.59	\$ 57.95	1.5	1.5	2.0	2.0	\$ 5.75	\$ 13.21	\$ -	\$ 0.75	\$ -
8/15/2018	Winnebago	Electric Power Equipment Operator	All	HWY		\$ 41.45	\$ 56.38	1.5	1.5	2.0	2.0	\$ 5.50	\$ 12.87	\$ -	\$ 0.73	\$ -
8/15/2018	Winnebago	Grndman	All	ALL		\$ 32.86	\$ 57.95	1.5	1.5	2.0	2.0	\$ 5.75	\$ 10.20	\$ -	\$ 0.58	\$ -
8/15/2018	Winnebago	Grndman	All	HWY		\$ 32.00	\$ 56.38	1.5	1.5	2.0	2.0	\$ 5.50	\$ 9.92	\$ -	\$ 0.66	\$ -
8/15/2018	Winnebago	Electric Power Lineman	All	ALL		\$ 51.06	\$ 57.95	1.5	1.5	2.0	2.0	\$ 5.75	\$ 15.85	\$ -	\$ 0.90	\$ -
8/15/2018	Winnebago	Electric Power Lineman	All	HWY		\$ 49.67	\$ 56.38	1.5	1.5	2.0	2.0	\$ 5.50	\$ 15.40	\$ -	\$ 0.88	\$ -
8/15/2018	Winnebago	Electric Power Truck Driver	All	ALL		\$ 34.03	\$ 57.95	1.5	1.5	2.0	2.0	\$ 5.75	\$ 10.55	\$ -	\$ 0.60	\$ -
8/15/2018	Winnebago	Electric Power Truck Driver	All	HWY		\$ 33.14	\$ 56.38	1.5	1.5	2.0	2.0	\$ 5.50	\$ 10.29	\$ -	\$ 0.59	\$ -
2/22/2019	Winnebago	Electrician	All	BLD		\$ 47.00	\$ 51.70	1.5	1.5	2.0	2.0	\$ 13.19	\$ 19.38	\$ -	\$ 0.94	\$ -
8/15/2018	Winnebago	Elevator Constructor	All	BLD		\$ 50.47	\$ 56.78	2.0	2.0	2.0	2.0	\$ 15.43	\$ 16.61	\$ 4.04	\$ 0.61	\$ -
3/22/2019	Winnebago	Glazier	All	BLD		\$ 40.03	\$ 42.03	1.5	1.5	1.5	1.5	\$ 11.90	\$ 8.70	\$ -	\$ 1.25	\$ -
8/15/2018	Winnebago	HT/Frost Insulator	All	BLD		\$ 33.83	\$ 36.87	1.5	1.5	2.0	2.0	\$ 9.10	\$ 20.67	\$ -	\$ 0.48	\$ -
8/15/2018	Winnebago	Iron Worker	All	ALL		\$ 39.39	\$ 43.33	1.5	1.5	2.0	2.0	\$ 12.27	\$ 25.42	\$ -	\$ -	\$ -
8/15/2018	Winnebago	Laborer	All	BLD		\$ 33.77	\$ 35.02	1.5	1.5	2.0	2.0	\$ 8.92	\$ 14.49	\$ 2.00	\$ 0.80	\$ -
8/15/2018	Winnebago	Laborer	All	HWY		\$ 35.40		1.5	1.5	2.0	2.0	\$ 8.92	\$ 22.03	\$ -	\$ 0.80	\$ -
8/15/2018	Winnebago	Laborer, Skilled	All	HWY		\$ 38.25		1.5	1.5	2.0	2.0	\$ 8.92	\$ 22.01	\$ -	\$ 0.80	\$ -
8/15/2018	Winnebago	Lather	All	BLD		\$ 40.00	\$ 44.40	1.5	1.5	2.0	2.0	\$ 11.10	\$ 14.61	\$ -	\$ 0.73	\$ -
8/15/2018	Winnebago	Machinist	All	BLD		\$ 48.38	\$ 50.88	1.5	1.5	2.0	2.0	\$ 7.23	\$ 8.95	\$ 1.85	\$ 1.47	\$ -
8/15/2018	Winnebago	Marble Finishers	All	BLD		\$ 35.05	\$ 35.05	1.5	1.5	2.0	2.0	\$ 10.35	\$ 7.11	\$ -	\$ 0.78	\$ -
8/15/2018	Winnebago	Marble Mason	All	BLD		\$ 38.00	\$ 40.50	1.5	1.5	2.0	2.0	\$ 10.35	\$ 9.14	\$ -	\$ 0.84	\$ -
8/15/2018	Winnebago	Material Tester I	All	ALL		\$ 33.56		1.5	1.5	2.0	2.0	\$ 8.24	\$ 16.39	\$ -	\$ 0.80	\$ -
8/15/2018	Winnebago	Material Tester II	All	ALL		\$ 33.56		1.5	1.5	2.0	2.0	\$ 8.24	\$ 16.39	\$ -	\$ 0.80	\$ -
8/15/2018	Winnebago	Millwright	All	BLD		\$ 40.27	\$ 44.30	1.5	1.5	2.0	2.0	\$ 10.55	\$ 15.95	\$ -	\$ 0.70	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	1	\$ 45.80		1.5	1.5	2.0	2.0	\$ 18.80	\$ 13.45	\$ 2.35	\$ 1.30	\$ -
11/30/2018	Winnebago	Operating Engineer	All	BLD	2	\$ 46.10	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	3	\$ 43.65	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	4	\$ 41.65	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	5	\$ 50.55	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	6	\$ 49.80	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	BLD	7	\$ 46.80	\$ 50.80	2.0	2.0	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
12/14/2018	Winnebago	Operating Engineer	All	HWY	1	\$ 46.65	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
11/16/2018	Winnebago	Operating Engineer	All	HWY	2	\$ 46.10	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	HWY	3	\$ 44.80	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
11/9/2018	Winnebago	Operating Engineer	All	HWY	4	\$ 43.35	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	HWY	5	\$ 41.90	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	HWY	6	\$ 49.65	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Operating Engineer	All	HWY	7	\$ 47.65	\$ 50.65	1.5	1.5	2.0	2.0	\$ 19.65	\$ 14.15	\$ 2.35	\$ 1.30	\$ -
8/15/2018	Winnebago	Painter	All	ALL		\$ 39.45		1.5	1.5	1.5	1.5	\$ 10.55	\$ 8.46	\$ -	\$ 1.35	\$ -
8/15/2018	Winnebago	Piledriver	All	BLD		\$ 41.00	\$ 45.51	1.5	1.5	2.0	2.0	\$ 11.10	\$ 14.61	\$ -	\$ 0.73	\$ -
12/21/2018	Winnebago	Piledriver	All	HWY		\$ 45.22	\$ 46.97	1.5	1.5	2.0	2.0	\$ 11.10	\$ 15.00	\$ -	\$ 0.73	\$ -
10/26/2018	Winnebago	Pipefitter	All	BLD		\$ 48.67	\$ 52.08	1.5	1.5	2.0	2.0	\$ 8.95	\$ 12.19	\$ -	\$ 1.70	\$ -
8/15/2018	Winnebago	Plasterer	All	BLD		\$ 34.78	\$ 38.26	1.5	1.5	2.0	2.0	\$ 11.55	\$ 17.19	\$ -	\$ 0.50	\$ -
10/26/2018	Winnebago	Plumber	All	BLD		\$ 48.67	\$ 52.08	1.5	1.5	2.0	2.0	\$ 8.95	\$ 12.19	\$ -	\$ 1.70	\$ -
11/5/2018	Winnebago	Roofer	All	BLD		\$ 43.65	\$ 47.65	1.5	1.5	2.0	2.0	\$ 9.73	\$ 12.44	\$ -	\$ 0.53	\$ -
8/15/2018	Winnebago	Sheetmetal Worker	All	BLD		\$ 42.06		1.5	1.5	2.0	2.0	\$ 7.46	\$ 19.64	\$ -	\$ 0.45	\$ 1.05
8/15/2018	Winnebago	Sprinkler Fitter	All	BLD		\$ 42.87	\$ 45.62	1.5	1.5	2.0	2.0	\$ 9.67	\$ 9.80	\$ -	\$ 0.77	\$ -

Effective Date	County	Trade Title	Region	Type	Class	Base Wage	Foreman Wage	OT M-F	OT Sa	OT Su	OT Hol	H/W	Pension	Vacation	Training	Other Fringe Benefit
8/15/2018	Winnebago	Stone Mason	All	BLD		\$ 41.45	\$ 44.20	1.5	1.5	2.0	2.0	\$11.05	\$14.00	\$ -	\$ 0.93	\$ -
8/15/2018	Winnebago	Terrazzo Finisher	All	BLD		\$ 35.05	\$ 35.05	1.5	1.5	2.0	2.0	\$10.35	\$ 7.11	\$ -	\$ 0.78	\$ -
8/15/2018	Winnebago	Terrazzo Mason	All	BLD		\$ 38.00	\$ 40.50	1.5	1.5	2.0	2.0	\$10.35	\$ 9.14	\$ -	\$ 0.84	\$ -
8/15/2018	Winnebago	Tile Layer	All	BLD		\$ 39.40	\$ 43.73	1.5	1.5	2.0	2.0	\$10.39	\$13.90	\$ -	\$ 0.60	\$ -
8/15/2018	Winnebago	Tile Mason	All	BLD		\$ 38.00	\$ 40.50	1.5	1.5	2.0	2.0	\$10.35	\$ 9.14	\$ -	\$ 0.84	\$ -
8/15/2018	Winnebago	Truck Driver	All	ALL	1	\$ 35.02		1.5	1.5	1.5	1.5	\$ -	\$19.06	\$ -	\$ 0.80	\$ -
8/15/2018	Winnebago	Truck Driver	All	ALL	2	\$ 35.17		1.5	1.5	2.0	2.0	\$ 8.60	\$ 8.60	\$ -	\$ 0.20	\$ -
8/15/2018	Winnebago	Truck Driver	All	ALL	3	\$ 37.97		1.5	1.5	2.0	2.0	\$10.40	\$10.55	\$ -	\$ 0.20	\$ -
8/15/2018	Winnebago	Truck Driver	All	ALL	4	\$ 36.97		1.5	1.5	2.0	2.0	\$ 8.60	\$ 8.60	\$ -	\$ -	\$ -
8/15/2018	Winnebago	Tuckpointer	All	BLD		\$ 41.45	\$ 44.20	1.5	1.5	2.0	2.0	\$11.05	\$14.00	\$ -	\$ 0.93	\$ -

Not to be used for bidding purposes

Fair Employment Practices Affidavit of Compliance

PROJECT: 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658

NOTE: THE BIDDER MUST EXECUTE THIS AFFIDAVIT AND SUBMIT IT WITH ITS SIGNED BID. THE ROCK RIVER WATER RECLAMATION DISTRICT CANNOT ACCEPT ANY BID WHICH DOES NOT CONTAIN THIS AFFIDAVIT

_____, being first duly sworn, deposes and says that:
(Name of person making affidavit)

They are: _____ of _____
(Officer's Title) (Company Name)

that said company is and "Equal Opportunity Employer" as defined by Section 2000(e) of Chapter 21, Title 42 of the United States Code annotated and Federal Executive Orders #11375 which are incorporated herein by reference;

and that said company will comply with any and all requirements of Title 44 Admin. Code 750. APPENDIX A – Equal Opportunity Clause, Rules and Regulations, Illinois Department of Human Rights, which read as follows:

"In the event of the contractor's non-compliance with the provisions of this Equal Employment Opportunity Clause, the Illinois Human Rights Act or the Rules and Regulations of the Illinois Department of Human Rights ("Department"), the contractor may be declared ineligible for future contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be cancelled or voided in whole or in part, and such other sanctions or penalties may be imposed or remedies invoked as provided by statute or regulation. During the performance to this contract, the contractor agrees as follows:

1. That it will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizen status, age, physical or mental handicap unrelated to ability, sexual orientation, military status or an unfavorable discharge from military service; and further that it will examine all job classifications to determine if minority persons or women are underutilized and will take appropriate affirmative action to rectify any such underutilization.
2. That, if he or she hires additional employees in order to perform this contract or any portion of this contract, he or she will determine the availability (in accordance with the Department's Rules and Regulations) of minorities and women in the areas from which he or she may reasonably recruit and he or she will hire for each job classification for which employees are hired in a way that minorities and women are not underutilized.
3. That, in all solicitations or advertisements for employees placed by him or her or on his or her behalf, he or she will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, sexual orientation, marital status, national origin or ancestry, citizenship status, age, physical or mental handicap unrelated to ability, sexual orientation, military status or an unfavorable discharge from military service.
4. That he or she will send to each labor organization or representative of workers with which he or she has or is bound by a collective bargaining or other agreement or understanding, a notice advising such labor organization or representative of the contractor's obligations under the Illinois Human Rights Act and the Department's Rules and Regulations. If any labor organization or representative fails or refuses to cooperate with the contractor in his or her efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Department and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations under the contract.
5. That he or she will submit reports as required by the Department's Rules and Regulations, furnish all relevant information as may from time to time be requested by the Department or the contracting agency, and in all respects comply with the Illinois Human Rights Act and the Department's Rules and Regulations.
6. That he or she will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Department for purposes of investigation to ascertain compliance with the Illinois Human Rights Act and the Department's Rules and Regulations.
7. That he or she will include verbatim or by reference the provisions of this clause in every subcontract awarded under which any portion of the contract obligations are undertaken or assumed, so that the provisions will be binding upon the subcontractor. In the same manner as with other provisions of this contract, the contractor will be liable for compliance with applicable provisions of this clause by such subcontractors; and further it will promptly notify the contracting agency and the Department in the event any subcontractor fails or refuses to comply with the provisions. In addition, the contractor will not utilize any subcontractor declared by the Illinois Human Rights Commission to be ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

(Source: Amended at 32 Ill. Reg. 16484, effective September 23, 2008)"

IL Dept of Human Rights Registration No.: _____ Expiration Date: _____

Signature

Subscribed and sworn to before me this _____ day of _____, 20_____.

Notary Public

Bid Bond

KNOW ALL MEN BY THESE PRESENTS, that we, the undersigned, _____
_____ as Principal, and
_____ as Surety, are hereby held and
firmly bound unto Rock River Water Reclamation District as OWNER in the penal sum of five percent
(5%) of the total Bid price for the payment of which, well and truly to be made, we hereby jointly and
severally bind ourselves, successors and assigns.

Signed, this _____ day of _____, _____.

The Condition of the above obligation is such that whereas the Principal has submitted to Rock River
Water Reclamation District a certain BID, attached hereto and hereby made a part hereof to enter into a
contract in writing, for the 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project
No. L17-5658.

NOW, THEREFORE,

- (a) If said BID shall be rejected, or
- (b) If said BID shall be accepted and the Principal shall execute and deliver a contract in the Form
of Contract attached hereto (properly completed in accordance with said BID) and shall furnish
a BOND for his faithful performance of said contract, and for the payment of all persons
performing labor or furnishing materials in connection therewith, and shall in all other respects
perform the agreement created by the acceptance of said BID, then this obligation shall be void,
otherwise the same shall remain in force and effect; it being expressly understood and agreed
that the liability of the Surety for any and all claims hereunder shall, in no event, exceed the
penal amount of this obligation as herein stated.

The Surety, for value received, hereby stipulates and agrees that the obligations of said Surety and its
BOND shall be in no way impaired or affected by any extension of the time within which the OWNER
may accept such bid; and said Surety does hereby waive notice of any such extension.

IN WITNESS WHEREOF, the Principal and the Surety have hereunto set their hands and seals, and such of them as are corporations have caused their corporate seals to be hereto affixed and these presents to be signed by their proper officers, the day and year first set forth above.

_____(L.S.)
Principal

Surety

By: _____

IMPORTANT-Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the project is located.

Agreement

THIS AGREEMENT, made this _____ day of _____, 20_____, by and between Rock River Water Reclamation District, hereinafter called "OWNER" and _____ doing business as (an individual) or (a partnership) or (a corporation) hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of 2019-2020 Collection System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658.
2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.
3. The CONTRACTOR will commence the work required by the Contract Documents within one (1) calendar day after the date of the NOTICE TO PROCEED and will complete this project by November 1, 2019 unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.
4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$_____, or as shown in the BID schedule.
5. The term "CONTRACT DOCUMENTS" means and includes the following:
 - (A) Advertisement for Bids
 - (B) Information for Bidders
 - (C) Instructions for Bidders
 - (D) Bid Form or Proposal
 - (E) Bid Bond
 - (F) Agreement
 - (G) Payment Bond
 - (H) Performance Bond
 - (I) Notice of Award
 - (J) Notice to Proceed
 - (K) Change Order
 - (L) Drawings prepared by Rock River Water Reclamation District numbered _____ through _____, and dated _____, 20____
 - (M) Specifications prepared by Rock River Water Reclamation District dated _____, 20____
 - (N) Addenda:
 - No. _____, dated _____, 20_____
 - No. _____, dated _____, 20_____
 - No. _____, dated _____, 20_____
6. The OWNER will pay to the CONTRACTOR in the manner and at such times, such amounts as required by the CONTRACT DOCUMENTS.

7. The contractor shall not discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor shall carry out applicable requirements of 40 CFR Part 33 in the award and administration of contracts awarded under EPA financial assistance agreements. Failure by the contractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies.

8. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in (triplicate) each of which shall be deemed an original on the date first above written.

OWNER:

Rock River Water Reclamation District

By: _____

Name: Timothy S. Hanson

Title: Executive Director

(Please Type)

(SEAL)

ATTEST:

Rock River Water Reclamation District

By: _____

Name: _____

Title: _____

CONTRACTOR:

By: _____

Name: _____

Address: _____

(Please Type)

(SEAL)

ATTEST:

By: _____

Name: _____

Title: _____

PAYMENT BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal, and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto Rock River Water Reclamation District, 3501 Kishwaukee Street, Rockford, IL 61109 hereinafter called OWNER, in the penal sum of _____
(\$ _____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20____, a copy of which is hereto attached and made a part hereof for the construction of:

_____.

NOW, THEREFORE, if the Principal shall promptly make payment to all persons, firms, SUBCONTRACTORS, and corporations furnishing materials for or performing labor in the prosecution of the WORK provided for in such contract, and any authorized extension or modification thereof, including all amounts due for materials, lubricants, oil, gasoline, coal and coke, repairs on machinery, equipment and tools, consumed or used in connection with the construction of such WORK, and all insurance premiums on said WORK, and for all labor, performed in such WORK whether by SUBCONTRACTOR or otherwise, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said Surety for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to the WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this _____ day of _____ 20 _____.

ATTEST:

(SEAL)

By: _____

ATTEST:

By: _____

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department's most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

a _____, hereinafter called Principal and
(Corporation, Partnership, or Individual)

(Name of Surety)

(Address of Surety)

hereinafter called SURETY, are held and firmly bound unto Rock River Water Reclamation District, 3501 Kishwaukee Street, Rockford, IL 61109 hereinafter called OWNER, in the penal sum of _____ (\$ _____) in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, successors, and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the _____ day of _____, 20 _____, a copy of which is hereto attached and made a part hereof for the construction of:

NOW, THEREFORE, if the Principal shall well, truly and faithfully perform its duties, all the undertakings, covenants, terms, conditions, and agreements of said contract during the original term thereof, and any extensions thereof which may be granted by the OWNER, with or without notice to the Surety and during the one year guaranty period, and if he shall satisfy all claims and demands incurred under such contract, and shall fully indemnify and save harmless the OWNER from all costs and damages which it may suffer by reason of failure to do so, and shall reimburse and repay the OWNER all outlay and expense which the OWNER may incur in making good any default, then this obligation shall be void; otherwise to remain in full force and effect.

PROVIDED, FURTHER, that the said surety, for value received hereby stipulates and agrees that no change, extension of time, alteration or addition to the terms of the contract or to WORK to be performed hereunder or the SPECIFICATIONS accompanying the same shall in any wise affect its obligation on this BOND, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract or to the WORK or to the SPECIFICATIONS.

PROVIDED, FURTHER, that no final settlement between the OWNER and the CONTRACTOR shall abridge the right of any beneficiary hereunder, whose claim may be unsatisfied.

IN WITNESS WHEREOF, this instrument is executed in _____ counterparts, each one of which shall be deemed an original, this _____ day of _____ 20 _____.

ATTEST:

By: _____

(SEAL)

ATTEST:

(SEAL)

By: _____

NOTE: Date of BOND must not be prior to date of Contract.
If CONTRACTOR is Partnership, all partners should execute BOND.

IMPORTANT: Surety companies executing BONDS must appear on the Treasury Department’s most current list (Circular 570 as amended) and be authorized to transact business in the state where the PROJECT is located.

Notice of Intent to Award

Via Email and USPS:

To: Name of Person who signed the Proposal _____
Company Name _____
Street Address _____
City, State, Zip _____
Email: _____

Project: 2019-2020 Collection System Repairs, Capital Project No. 2034
IEPA Project No. L17-5658

The OWNER has considered the BID submitted by you for the above described WORK, in response to its Advertisement for Bids, dated _____ and Information for Bidders.

You are hereby notified that your BID will be accepted, contingent upon Illinois Environmental Protection Agency (IEPA) approval, for items in the amount of \$_____.

You will be required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, Payment BOND and certificates of insurance (including general and auto liability additional insured endorsements) listing Rock River Water Reclamation District as Additional insured parties within ten (10) calendar days from the date of the final Notice to be sent upon IEPA approval, to you.

Dated this _____ day of _____, 2019.

Rock River Water Reclamation District
(Owner)

By: _____

Name: Timothy S. Hanson
Title: Executive Director

Notice of Award

Via Email and USPS:

To: Name of Person who signed the Proposal
Company Name
Street Address
City, State, Zip
Email: _____

**Project: 2019-2020 Collection System Repairs, Capital Project No. 2034
IEPA Project No. L17-5658**

The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated _____, 2019 and Information for Bidders.

You are hereby notified that your BID has been accepted for items in the amount of \$_____.

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTORS Performance BOND, Payment BOND and certificates of insurance (including general and auto liability additional insured endorsements) listing Rock River Water Reclamation District as Additional insured parties within ten (10) calendar days from the date of this Notice to you.

If you fail to execute said Agreement and to furnish said BONDS within ten (10) days from the date of this Notice, said OWNER will be entitled to consider all your rights arising out of the OWNER'S acceptance of your BID as abandoned and as a forfeiture of your BID BOND. The OWNER will be entitled to such other rights as may be granted by law.

You are required to return an acknowledged copy of this NOTICE OF AWARD to the OWNER.

Dated this _____ day of _____, 2019.

Rock River Water Reclamation District
(Owner)

By: _____

Name: Timothy S. Hanson

Title: Executive Director

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged,

By: _____ this the _____ day of _____, 2019.
(Contractor)

By: _____

Printed Name: _____

Title: _____

Notice to Proceed

Via Email and USPS:

To: Name _____
Company _____
Street _____
City, State Zip _____
Email _____

Date: _____
Project: **2019-2020 Collection System Repairs**
Capital Project No. 2034
IEPA Project No. L17-5658

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 20_____, on or before _____, 20_____, and you are to complete the WORK within _____ consecutive calendar days thereafter.

The date of completion of all WORK is therefore November 1, 2019.

Rock River Water Reclamation District
(Owner)

By: _____
Name: Timothy S. Hanson
Title: Executive Director

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED
is hereby acknowledged by:

_____ this the _____ day of _____, 2019.
(Contractor)

By: _____
Printed Name: _____
Title: _____

Change Order

No. _____

Date of Issuance: _____ Effective Date: _____

Project	Owner:	Owner's Contract No.:
Contract		Date of Contract:
Contractor:		Engineer's Project No.:

The Contract Documents are modified as follows upon execution of this Change Order:

Description: _____

Attachments: (List documents supporting change): _____

CHANGE IN CONTRACT PRICE:	CHANGE IN CONTRACT TIMES:
Original Contract Price:	Original Contract Times: <input type="checkbox"/> Working days <input type="checkbox"/> Calendar days
\$ _____	Substantial completion (days or date): _____
	Ready for final payment (days or date): _____
[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:	[Increase] [Decrease] from previously approved Change Orders No. _____ to No. _____:
\$ _____	Substantial completion (days): _____
	Ready for final payment (days): _____
Contract Price prior to this Change Order:	Contract Times prior to this Change Order:
\$ _____	Substantial completion (days or date): _____
	Ready for final payment (days or date): _____
[Increase] [Decrease] of this Change Order:	[Increase] [Decrease] of this Change Order:
\$ _____	Substantial completion (days or date): _____
	Ready for final payment (days or date): _____
Contract Price incorporating this Change Order:	Contract Times with all approved Change Orders:
\$ _____	Substantial completion (days or date): _____
	Ready for final payment (days or date): _____

RECOMMENDED:	ACCEPTED:	ACCEPTED:
By: _____ Engineer (Authorized Signature)	By: _____ Owner (Authorized Signature)	By: _____ Contractor (Authorized Signature)
Date: _____	Date: _____	Date: _____
Approved by Funding Agency (if applicable): _____		Date: _____

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Prepared by the Engineers' Joint Contract Documents Committee and endorsed by the Associated General Contractors of America and the Construction Specifications Institute.

Change Order

Instructions

A. GENERAL INFORMATION

This document was developed to provide a uniform format for handling contract changes that affect Contract Price or Contract Times. Changes that have been initiated by a Work Change Directive must be incorporated into a subsequent Change Order if they affect Price or Times.

Changes that affect Contract Price or Contract Times should be promptly covered by a Change Order. The practice of accumulating Change Orders to reduce the administrative burden may lead to unnecessary disputes.

If Milestones have been listed in the Agreement, any effect of a Change Order thereon should be addressed.

For supplemental instructions and minor changes not involving a change in the Contract Price or Contract Times, a Field Order should be used.

B. COMPLETING THE CHANGE ORDER FORM

Engineer normally initiates the form, including a description of the changes involved and attachments based upon documents and proposals submitted by Contractor, or requests from Owner, or both.

Once Engineer has completed and signed the form, all copies should be sent to Owner or Contractor for approval, depending on whether the Change Order is a true order to the Contractor or the formalization of a negotiated agreement for a previously performed change. After approval by one contracting party, all copies should be sent to the other party for approval. Engineer should make distribution of executed copies after approval by both parties.

If a change only applies to price or to times, cross out the part of the tabulation that does not apply.

**Notice of Requirement for Affirmative Action to
Ensure Equal Employment Opportunity (Executive Order 11246)**

1. The Offeror or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Opportunity Construction Contract Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Timetables	Goals for minority participation for each trade	Goals for female participation in each trade
	6.3%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer to minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is Illinois, Winnebago County, City of Rockford.

Construction Contractors Affirmative Action Requirements
Goals for Minority Participation
(As published in the Friday, October 3, 1980 Federal Register)
Female participation = 6.9% Statewide

<u>County</u>	<u>Percentage</u>	<u>County</u>	<u>Percentage</u>	<u>County</u>	<u>Percentage</u>
Adams	3.1%	Henry	4.6%	Perry	11.4%
Alexander	11.4%	Iroquois	18.4%	Piatt	4.8%
Bond	11.4%	Jackson	11.4%	Pike	3.1%
Boone	6.3%	Jasper	11.4%	Pope	5.2%
Brown	3.1%	Jefferson	11.4%	Pulaski	11.4%
Bureau	18.4%	Jersey	11.4%	Putnam	18.4%
Calhoun	11.4%	Jo Davis	0.5%	Randolph	11.4%
Carroll	3.4%	Johnson	11.4%	Richland	11.4%
Cass	4.0%	Kane	19.6%	Rock Island	4.6%
Champaign	7.8%	Kankakee	9.1%	Saline	3.5%
Christian	4.0%	Kendall	18.4%	Sangamon	4.5%
Clark	2.5%	Knox	3.3%	Schuyler	3.3%
Clay	11.4%	Lake	19.6%	Scott	4.0%
Clinton	14.7%	La Salle	18.4%	Shelby	4.0%
Coles	4.8%	Lawrence	3.5%	Stark	3.3%
Cook	19.6%	Lee	4.6%	St. Clair	14.7%
Crawford	2.5%	Livingston	18.4%	Stephenson	4.6%
Cumberland	4.8%	Logan	4.0%	Tazwell	4.4%
De Kalb	18.4%	Macon	7.6%	Union	11.4%
De Witt	4.0%	Macoupin	11.4%	Vermilion	4.8%
Douglas	4.8%	Madison	14.7%	Wabash	3.5%
Du Page	19.6%	Marion	11.4%	Warren	3.3%
Edgar	4.8%	Marshall	3.3%	Washington	11.4%
Edwards	3.5%	Mason	3.3%	Wayne	11.4%
Effingham	11.4%	Massac	5.2%	White	3.5%
Fayette	11.4%	McDonough	3.3%	Whiteside	3.4%
Ford	4.8%	McHenry	19.6%	Will	20.9%
Franklin	11.4%	McLean	2.5%	Williamson	11.4%
Fulton	3.3%	Menard	4.5%	Winnebago	6.3%
Gallatin	3.5%	Mercer	3.4%	Woodford	4.4%
Greene	11.4%	Monroe	14.7%		
Grundy	18.4%	Montgomery	11.4%		
Hamilton	3.5%	Morgan	4.0%		
Hancock	3.4%	Moultrie	4.0%		
Hardin	5.2%	Ogle	4.6%		
Henderson	3.4%	Peoria	4.4%		

41 CFR 60

60-4.1 Scope and Application.

This part applies to all contractors and subcontractors that hold any Federal and federally assisted construction contract in excess of \$10,000. The regulations in this part are applicable to all of a construction contractor's or subcontractor's construction employees who are engaged in on site construction including those construction employees who work on a non-Federal or non-federally assisted construction site. This part also establishes procedures, which all Federal contracting officers and all applicants, as applicable, shall follow in soliciting for and awarding Federal or federally assisted construction contracts. Procedures also are established which administering agencies shall follow in making any grant, contract, loan, insurance, or guarantee involving federally assisted construction which is not exempt from the requirements of Executive Order 11246, as amended. In addition, this part applies to construction work performed by construction contractors and subcontractors for Federal non-construction contractors and subcontractors if the construction work is necessary in whole or in part to the performance of a non-construction contract or subcontract.

[43 FR 49254, Oct. 20, 1978; 43 FR 51404, Nov. 3, 1978]

60-4.2 Solicitations

- (a) All Federal contracting officers and all applicants shall include the notice set forth in paragraph (d) of this section and the Standard Federal Equal Employment Opportunity Construction Contract Specifications set forth in § 60-4.3 of this part in all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of the part. Administering agencies shall require the inclusion of the notice set forth in paragraph (d) of this section and the specifications set forth in § 60-4.3 of this part as a condition of any grant, contract, subcontract, loan, insurance or guarantee involving federally assisted construction covered by this Part 60-4.
- (b) All non-construction contractors covered by Executive Order 11246 and the implementing regulations shall include the notice in paragraph (d) of this section in all construction agreements, which are necessary in whole or in part to the performance of the covered non-construction contract.
- (c) Contracting officers, applications and non-construction contractors shall give written notice to the Director within 10 working days of award of a contract subject to these provisions. The notification shall include the name, address and telephone number of the contractor; employer identification number; dollar amount of the contract; estimated starting and completion dates of the contract; the contract number; and geographical area in which the contract is to be performed.
- (d) The following notice shall be included in, and shall be a part of, all solicitations for offers and bids on all Federal and federally assisted construction contracts or subcontracts in excess of \$10,000 to be performed in geographical areas designated by the Director pursuant to § 60-4.6 of this part (see 41 CFR 60-4.2(a)).

**Notice of Requirement for Affirmative Action to
Ensure Equal Employment Opportunity (Executive Order 11246)**

1. The Offeror or Bidder's attention is called to the "Equal Opportunity Clause" and the "Standard Federal Equal Employment Specifications" set forth herein.
2. The goals and timetables for minority and female participation, expressed in percentage terms for the Contractor's aggregate workforce in each trade on all construction work in the covered area, are as follows:

Time-tables	Goals for minority participation for each trade	Goals for female participation in each trade
	6.3%	6.9%

These goals are applicable to all the Contractor's construction work (whether or not it is Federal or federally assisted) performed in the covered area. If the contractor performs construction in a geographical area located outside of the covered area, it shall apply the goals established for such geographical area where the work is actually performed. With regard to this second area, the contractor also is subject to the goals for both its federally involved and nonfederally involved construction.

The Contractor's compliance with the Executive Order and the regulations in 41 CFR Part 60-4 shall be based on its implementation of the Equal Opportunity Clause, specific affirmative action obligations required by the specifications set forth in 41 CFR 60-4.3(a), and its efforts to meet the goals established for the geographical area where the contract resulting from this solicitation is to be performed. The hours of minority and female employment and training must be substantially uniform throughout the length of the contract, and in each trade, and the contractor shall make a good faith effort to employ minorities and women evenly on each of its projects. The transfer of minority or female employees or trainees from Contractor to Contractor or from project to project for the sole purpose of meeting the Contractor's goals shall be a violation of the contract, the Executive Order and the regulations in 41 CFR 60-4. Compliance with the goals will be measured against the total work hours performed.

3. The Contractor shall provide written notification to the Director of the Office of Federal Contract Compliance Programs within 10 working days of award of any construction subcontract in excess of \$10,000 at any tier for construction work under the contract resulting from this solicitation. The notification shall list the name, address and telephone number of the subcontractor; employer identification number of the subcontractor; estimated dollar amount of the subcontract; estimated starting and completion dates of the subcontract; and the geographical area in which the contract is to be performed.
4. As used in this Notice, and in the contract resulting from this solicitation, the "covered area" is Illinois, Winnebago County, City of Rockford, City of Loves Park, and the Village of Machesney Park.

[43 FR 49254, Oct. 20, 1978; 43 FR 51401, Nov. 3, 1978, as amended at 45 FR 65977, Oct. 3, 1980]

60-4.3 Equal Opportunity Clauses.

- (a) The equal opportunity clause published at 41 CFR 60-1.4(a) of this chapter is required to be included in, and is part of, all nonexempt Federal contracts and subcontracts, including construction contracts and subcontracts. The equal opportunity clause published at 41 CFR 60-1.4(b) is required to be included in, and is a part of, all nonexempt federally assisted construction contracts and subcontracts. In addition to the clauses described above, all Federal contracting officers, all applicants, and all non-construction contractors, as applicable, shall include the specifications set forth in this section in all Federal and federally assisted construction contracts in excess of \$10,000 to be performed in geographical areas designated by the Director pursuant to 60-4.6 of this part and in construction subcontracts in excess of \$10,000 necessary in whole or in part to the performance of non-construction Federal contracts and subcontracts covered under the Executive order.

Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246)

1. As used in these specifications:
 - a. "Covered area" means the geographical area described in the solicitation from which this contract resulted.
 - b. "Director" means Director, Office of Federal Contract Compliance Programs, United States Department of Labor, or any person to whom the Director delegates authority.
 - c. "Employer identification number" means the Federal Social Security number used on the Employer's Quarterly Federal Tax Return, U.S. Treasury Department Form 941.
 - d. "Minority" includes:
 - (i) Black (all persons having origins in any of the Black African racial groups not of Hispanic origin)
 - (ii) Hispanic (all persons of Mexican, Puerto Rican, Cuban, Central or South American or other Spanish Culture or origin, regardless of race);
 - (iii) Asian and Pacific Islander (all persons having origins in any of the original peoples of the Far East, Southeast Asia, the Indian Subcontinent, or the Pacific Islands); and
 - (iv) American Indian or Alaskan Native (all persons having origins in any of the original peoples of North America and maintaining identifiable tribal affiliations through membership and participation or community identification).
2. Whenever the Contractor, or any Subcontractor at any tier, subcontracts a portion of the work involving any construction trade, it shall physically include in each subcontract in excess of \$10,000 the provisions of these specifications and the Notice which contains the applicable goals for minority and female participation and which is set forth in the solicitations from which this contract resulted.
3. If the Contractor is participating (pursuant to 41 CFR 60-4.5) in a Hometown Plan approved by the U.S. Department of Labor in the covered area either individually or through an association, its affirmative action obligations on all work in the Plan area (including goals and timetables) shall be in accordance with the Plan for those trades which have unions participating in the Plan. Contractors must be able to demonstrate their participation in and

compliance with the provisions of any such Hometown Plan. Each Contractor or Subcontractor participating in an approved Plan is individually required to comply with its obligations under the EEO clause, and to make a good faith effort to achieve each goal under the Plan in each trade in which it has employees. The overall good faith performance by other Contractors or Subcontractors toward a goal in an approved Plan does not excuse any covered Contractor or Subcontractor's failure to take good faith efforts to achieve the Plan goals and timetables.

4. The Contractor shall implement the specific affirmative action standards provided in paragraphs 7 a through p of these specifications. The goals set forth in the solicitation from which this contract resulted are expressed as percentages of the total hours of employment and training of minority and female utilization the Contractor should reasonably be able to achieve in each construction trade in which it has employees in the covered area. Covered Construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed. Goals are published periodically in the Federal Register in notice form, and such notices may be obtained from any Office of Federal Contract Compliance Programs office or from Federal procurement contracting officers. The Contractor is expected to make substantially uniform progress in meeting its goals in each craft during the period specified.
5. Neither the provisions of any collective bargaining agreement, nor the failure by a union with whom the Contractor has a collective bargaining agreement, to refer either minorities or women shall excuse the Contractor's obligations under these specifications, Executive Order 11246, nor the regulations promulgated pursuant thereto.
6. In order for the nonworking training hours of apprentices and trainees to be counted in meeting the goals, the Contractor must employ such apprentices and trainees during the training period, and the Contractor must have made a commitment to employ the apprentices and trainees at the completion of their training, subject to the availability of employment opportunities. Trainees must be trained pursuant to training programs approved by the U.S. Department of Labor.
7. The Contractor shall take specific affirmative action to ensure equal employment opportunity. The evaluation of the Contractor's compliance with these specifications shall be based upon its effort to achieve maximum results from its actions. The Contractor shall document these efforts fully, and shall implement affirmative action steps at least as extensive as the following:
 - a. Ensure and maintain a working environment free of harassment, intimidation, and coercion at all sites, and in all facilities at which the Contractor's employees are assigned to work. The Contractor, where possible, will assign two or more women to each construction project. The Contractor shall specifically ensure that all foremen, superintendents, and other on-site supervisory personnel are aware of and carry out the Contractor's obligation to maintain such a working environment, with specific attention to minority or female individuals working at such sites or in such facilities.
 - b. Establish and maintain a current list of minority and female recruitment sources, provide written notification to minority and female recruitment sources and to community

organizations when the Contractor or its unions have employment opportunities available, and maintain a record of the organizations' responses.

- c. Maintain a current file of the names, addresses and telephone numbers of each minority and female off-the-street applicant and minority or female referral from a union, a recruitment source or community organization and of what action was taken with respect to each such individual. If such individual was sent to the union hiring hall for referral and was not referred back to the Contractor by the union or, if referred, not employed by the Contractor, this shall be documented in the file with the reason therefore; along with whatever additional actions the Contractor may have taken.
- d. Provide immediate written notification to the Director when the union or unions with which the Contractor has a collective bargaining agreement has not referred to the Contractor a minority person or woman sent by the Contractor, or when the Contractor has other information that the union referral process has impeded the Contractor's efforts to meet its obligations.
- e. Develop on-the-job training opportunities and/or participate in training programs for the area which expressly include minorities and women, including upgrading programs and apprenticeship and trainee programs relevant to the Contractor's employment needs, especially those programs funded or approved by the Department of Labor. The Contractor shall provide notice of these programs to the sources compiled under 7b above.
- f. Disseminate the Contractor's EEO policy by providing notice of the policy to unions and training programs and requesting their cooperation in assisting the Contractor in meeting its EEO obligations; by including it in any policy manual and collective bargaining agreement; by publicizing it in the company newspaper, annual report, etc.; by specific review of the policy with all management personnel and with all minority and female employees at least once a year; and by posting the company EEO policy on bulletin boards accessible to all employees at each location where construction work is performed.
- g. Review, at least annually, the company's EEO policy and affirmative action obligations under these specifications with all employees having any responsibility for hiring, assignment, layoff, termination or other employment decisions including specific review of these items with onsite supervisory personnel such as Superintendents, General Foremen, etc., prior to the initiation of construction work at any job site. A written record shall be made and maintained identifying the time and place of these meetings, persons attending, subject matter discussed, and disposition of the subject matter.
- h. Disseminate the Contractor's EEO policy externally by including it in any advertising in the news media, specifically including minority and female news media, and providing written notification to and discussing the Contractor's EEO policy with other Contractors and Subcontractors with whom the Contractor does or anticipates doing business.
- i. Direct its recruitment efforts, both oral and written, to minority, female and community organizations, to schools with minority and female students and to minority and female recruitment and training organizations serving the Contractor's recruitment area and employment needs. Not later than one month prior to the date for the acceptance of applications for apprenticeship or other training by any recruitment source, the Contractor shall send written notification to organizations such as the above, describing the openings, screening procedures, and tests to be used in the selection process.

- j. Encourage present minority and female employees to recruit other minority persons and women, and where reasonable, provide after school, summer and vacation employment to minority and female youth both on the site and in other areas of the Contractor's work force.
 - k. Validate all tests and other selection requirements where there is an obligation to do so under 41 CFR Part 60-3.
 - l. Conduct, at least annually, an inventory and evaluation at least of all minority and female personnel for promotional opportunities and encourage these employees to seek or to prepare for, through appropriate training, etc., such opportunities.
 - m. Ensure that seniority practice, job classifications, work assignments and other personnel practices, do not have a discriminatory effect by continually monitoring all personnel and employment related activities to ensure that the EEO policy and the Contractor's obligations under these specifications are being carried out.
 - n. Ensure that all facilities and company activities are non-segregated except that separate or single-user toilet and necessary changing facilities shall be provided to assure privacy between the sexes.
 - o. Document and maintain a record of all solicitations of offers for subcontracts from minority and female construction contractors and suppliers, including circulation of solicitations to minority and female contractor associations and other business associations.
 - p. Conduct a review, at least annually, of all supervisors' adherence to and performance under the Contractor's EEO policies and affirmative action obligations.
8. Contractors are encouraged to participate in voluntary associations, which assist in fulfilling one or more of their affirmative action obligations (7a through p). The efforts of a contractor association, joint contractor-union, contractor-community, or other similar group of which the contractor is a member and participant, may be asserted as fulfilling any one or more of its obligations under 7a through p of these Specifications provided that the contractor actively participates in the group, makes every effort to assure that the group has a positive impact on the employment of minorities and women in the industry, ensures that the concrete benefits of the program are reflected in the Contractor's minority and female workforce participation, makes a good faith effort to meet its individual goals and timetables, and can provide access to documentation which demonstrates the effectiveness of actions taken on behalf of the Contractor. The obligation to comply, however, is the Contractor's and failure of such a group to fulfill an obligation shall not be a defense for the Contractor's noncompliance.
9. A single goal for minorities and a separate single goal for women have been established. The Contractor, however, is required to provide equal employment opportunity and to take affirmative action for all minority groups, both male and female, and all women, both minority and non-minority. Consequently, the Contractor may be in violation of the Executive Order if a particular group is employed in a substantially disparate manner (for example, even though the Contractor has achieved its goals for women generally, the Contractor may be in violation of the Executive Order if a specific minority group of women is underutilized).

10. The Contractor shall not use the goals and timetables or affirmative action standards to discriminate against any person because of race, color, religion, sex, or national origin.
11. The Contractor shall not enter into any Subcontract with any person or firm debarred from Government contracts pursuant to Executive Order 11246.
12. The Contractor shall carry out such sanctions and penalties for violation of these specifications and of the Equal Opportunity Clause, including suspension, termination and cancellation of existing subcontracts as may be imposed or ordered pursuant to Executive Order 11246, as amended, and its implementing regulations, by the Office of Federal Contract Compliance Programs. Any Contractor who fails to carry out such sanctions and penalties shall be in violation of these specifications and Executive Order 11246, as amended.
13. The Contractor, in fulfilling its obligations under these specifications, shall implement specific affirmative action steps, at least as extensive as those standards prescribed in paragraph 7 of these specifications, so as to achieve maximum results from its efforts to ensure equal employment opportunity. If the Contractor fails to comply with the requirements of the Executive Order, the implementing regulations, or these specifications, the Director shall proceed in accordance with 41 CFR 60-4.8.
14. The Contractor shall designate a responsible official to monitor all employment related activity to ensure that the company EEO policy is being carried out, to submit reports relating to the provisions hereof as may be required by the Government and to keep records. Records shall at least include for each employee the name, address, telephone numbers, construction trade, union affiliation if any, employee identification number when assigned, social security number, race, sex, status (e.g. mechanic, apprentice trainee, helper or laborer), dates of changes in status, hours worked per week in the indicated trade, rate of pay, and locations at which the work was performed. Records shall be maintained in an easily understandable and retrievable form; however, to the degree that existing records satisfy this requirement, contractors shall not be required to maintain separate records.
15. Nothing herein provided shall be construed as a limitation upon the application of other laws, which establish different standards of compliance or upon the application of requirements for the hiring of local or other residents (e.g. those under the Public Works Employment Act of 1977 and the Community Development Block Grant Program).
- (b) The notice set forth in 41 CFR 60-4.2 and the specifications set forth in 41 CFR 60-4.3 replace the New Form for Federal Equal Employment Opportunity Bid Conditions for Federal and Federally Assisted Construction published at 41 FR 32482 and commonly known as the Model Federal EEO Bid Conditions, and the New Form shall not be used after the regulations in 41 CFR Part 60-4 become effective.

[43 FR 49254, Oct. 20, 1978; 43 FR 51401, Nov. 3, 1978, as amended at 45 FR 65978, Oct. 3, 1980]

60-4.4 Affirmative Action Requirements

- (a) To implement the affirmative action requirements of Executive Order 11246 in the construction industry, the Office of Federal Contract Compliance Programs previously has approved affirmative action programs commonly referred to as "Hometown Plans," has promulgated affirmative action plans referred to as "Imposed Plans" and has approved "Special Bid Conditions" for high impact projects constructed in areas not covered by a Hometown or an Imposed Plan. All solicitations for construction contracts made after the effective date of the regulations in this part shall include the notice specified in § 60-4.2 of this part and the specifications in § 60-4.3 of this part in lieu of the Hometown and Imposed Plans including the Philadelphia Plan and Special Bid Conditions. Until the Director has issued an order pursuant to § 60-4.6 of this part establishing goals and timetables for minorities in the appropriate geographical areas or for a project covered by Special Bid Conditions, the goals and timetables for minorities to be inserted in the Notice required by 41 CFR 60-4.2 shall be the goals and timetables contained in the Hometown Plan, Imposed Plan or Special Bid Conditions presently covering the respective geographical area or project involved.
- (b) Signatories to a Hometown Plan (including heavy highway affirmative action plans) shall have 45 days from the effective date of the regulations in this part to submit under such a Plan (for the director's approval) goals and timetables for women and to include female representation on the Hometown Plan Administrative Committee. Such goals for female representation shall be at least as high as the goals established for female representation in the notice issued pursuant to 41 CFR 60-4.6. Failure of the signatories, within the 45-day period, to include female representation and to submit goals for women or a new plan, as appropriate, shall result in an automatic termination of the Office of Federal Contract Compliance Program's approval of the Hometown Plan. At any time, the Office of Federal Contract Compliance Programs terminates or withdraws its approval of a Hometown Plan, or when the plan expires and another plan is not approved, the contractors signatory to the plan shall be covered automatically by the specifications set forth in § 60-4.3 of this part and by the goals and timetables established for that geographical area pursuant to § 60-4.6 of this part.

60-4.5 Hometown Plans

- (a) A contractor participating, either individually or through an association, in an approved Hometown Plan (including heavy highway affirmative action plans) shall comply with its affirmative action obligations under Executive Order 11246 by complying with its obligations under the plan: *Provided*, that each contractor or subcontractor participating in an approved plan is individually required to comply with the equal opportunity clause set forth in 41 CFR 60-1.4; to make a good faith effort to achieve the goals for each trade participating in the plan in which it has employees; and that the overall good performance by other contractors or subcontractors toward a goal in an approved plan does not excuse any covered contractor's or subcontractor's failure to take good faith efforts to achieve the plan's goals and timetables. If a contractor is not participating in an approved Hometown Plan it shall comply with the specifications set forth in § 60-4.3 of this part and with the goals and timetables for the appropriate area as listed in the notice required by 41 CFR 60-4.2 with regard to that trade.

For the purposes of this part 60-4, a contractor is not participating in a Hometown Plan for a particular trade if it:

- (1) Ceases to be signatory to a Hometown Plan covering that trade;
- (2) Is signatory to a Hometown Plan for that trade but is not party to a collective bargaining agreement for that trade;
- (3) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with labor organizations, which are not or cease to be signatories to the same Hometown Plan for that trade;
- (4) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade but the two have not jointly executed a specific commitment to minority and female goals and timetables and incorporated the commitment in the Hometown Plan for that trade;
- (5) Is participating in a Hometown Plan for that trade which is no longer acceptable to the Office of Federal Contract Compliance Programs;
- (6) Is signatory to a Hometown Plan for that trade but is party to a collective bargaining agreement with a labor organization for that trade and the labor organization and the contractor have failed to make a good faith effort to comply with their obligations under the Hometown Plan for that trade.

- (b) Contractor participating in Hometown Plans must be able to demonstrate their participation and document their compliance with the provision of the Hometown Plan.

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.6 Goals and Timetables

The Director, from time to time, shall issue goals and timetables for minority and female utilization, which shall be based on appropriate workforce, demographics, and other relevant data and which shall cover construction projects or construction contracts performed in specific geographical areas. The goals, which shall be applicable to each construction trade in a covered contractor's or subcontractor's entire workforce which is working in the area covered by the goals and timetables, shall be published as notices in the Federal Register, and shall be inserted by the contracting officers and applicants, as applicable, in the Notice required in 41 CFR 60-4.2. Covered construction contractors performing construction work in geographical areas where they do not have a Federal or federally assisted construction contract shall apply the minority and female goals established for the geographical area where the work is being performed.

[45 FR 65978, OCT. 3, 1980]

60-4.7 Effect on Other Regulations

The regulations in this part are in addition to the regulations contained in this chapter, which apply to construction contractors and subcontractors generally. See particularly, 41 CFR 60-1.4 (a), (b), (c), (d), and (e); 60-1.5; 60-1.7; 60-1.8; 60-1.26; 60-1.29; 60-1.30; 60-1.32; 60-1.41; 60-1.42; 60-1.43; and 41 CFR Part 60-3; Part 60-20; Part 60-30; Part 60-40; and Part 60-50.

60-4.8 Show Cause Notice

If an investigation or compliance review reveals that a construction contractor or subcontractor has violated the Executive order, any contract clause, specifications or the regulations in this chapter and if administrative enforcement is contemplated, the Director shall issue to the contractor or subcontractor a notice to show cause which shall contain the items specified in paragraphs (i) through (iv) of 41 CFR 60-2.2(c)(1). In the contractor does not show good cause within 30 days, or in the alternative, fails to enter an acceptable conciliation agreement which includes where appropriate, make up goals and timetables, back pay, and seniority relief for affected class members, the OFCCP shall follow the procedure in 41 CFR 60-1.26(b): *Provided*, that where a conciliation agreement has been violated, no show cause notice is required prior to the initiation of enforcement proceedings.

[43 FR 49254, OCT. 20, 1978; 43 FR 51401, NOV. 3, 1978]

60-4.9 Incorporation by Operation of the Order

By operation of the order, the equal opportunity clause contained in § 60-1.4, the Notice of Requirements for Affirmative Action to Ensure Equal Employment Opportunity (Executive Order 11246) contained in § 60-4.2, and the Standard Federal Equal Employment Opportunity Construction Contract Specifications (Executive Order 11246) contained in § 60-4.3 shall be deemed to be a part of every solicitation or of every contract and subcontract, as appropriate, required by the order and the regulations in this chapter to include such clauses whether or not they are physically incorporated in such solicitation or contract and whether or not the contract is written.

**U.S. Environmental Protection Agency
Certification of Nonsegregated Facilities**

(Applicable to federally assisted construction contracts and related subcontracts exceeding \$10,000 that are not exempt from the Equal Opportunity clause.)

The federally assisted construction contractor certifies that he does not maintain or provide for his employees any segregated facilities at any of his establishments, and that he does not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor certifies further that he will not maintain or provide for his employees any segregated facilities at any of his establishments, and that he will not permit his employees to perform their services at any location, under his control, where segregated facilities are maintained. The federally assisted construction contractor agrees that a breach of this certification is a violation of the Equal Opportunity clause in this contract. As used in this certification, the term "segregated facilities" means any waiting rooms, work areas, rest rooms and other storage or dressing areas, parking lots, drinking fountains, recreation or entertainment areas, transportation, and housing facilities provided for employees which are segregated by explicit directive or are in fact segregated on the basis of race, creed, color, or national origin, because of habit, local custom or otherwise. The federally assisted construction contractor agrees that (except where he has obtained identical certifications from proposed subcontractors for specific time periods) he will obtain identical certifications from proposed subcontractors prior to the award of subcontracts exceeding \$10,000 which are not exempt from the provisions of the Equal Opportunity clause, and that he will retain such certification in his files.

Signature

Date

Name and Title of Signer (Please type)

Firm Name

NOTE: The penalty for making false statements in offers is prescribed in 18 U.S.C. 1001.

Notice to Labor Unions or Other Organizations of Workers
Nondiscrimination in Employment

To: _____
(Name of union or organization of workers)

The undersigned currently holds contract(s) with _____
(name of applicant)

involving funds or credit of the U.S. Government or (a) subcontract(s) with a prime contractor holding such contract(s).

You are advised that under the provisions of the above contract(s) or subcontract(s) and in accordance with Executive Order 11246, as amended, dated September 24, 1965, as amended, the undersigned is obliged not to discriminate against any employee or applicant for employment because of race, color, creed or national origin. This obligation not to discriminate in employment includes, but is not limited to, the following:

HIRING, PLACEMENT, UPGRADING, TRANSFER OR DEMOTION, RECRUITMENT,
ADVERTISING, OR SOLICITATION FOR EMPLOYMENT, TRAINING DURING
EMPLOYMENT, RATES OF PAY OR OTHER FORMS OF COMPENSATION,
SELECTION FOR TRAINING INCLUDING APPRENTICESHIP, LAYOFF OR
TERMINATION.

This notice is furnished you pursuant to the provisions of the above contract(s) or subcontract(s) and Executive Order 11246, as amended.

Copies of this notice will be posted by the undersigned in conspicuous places available to employees or applicants for employment.

Dated this _____ day of _____, 2019.

(Contractor or Subcontractor)

By: _____

Name: _____

Title: _____

**United States Environmental Protection Agency
Washington, DC 20460**

Certification Regarding Debarment, Suspension and Other Responsibility Matters

The prospective participant to the best of its knowledge and belief that it and its principles:

- (a) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from covered transactions by any Federal department or agency;
- (b) Have not within a three year period preceding this proposal been convicted of or had a civil judgment rendered against them for commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public (Federal, State or local) transaction or contract under a public transaction; violation of Federal or State antitrust statutes or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property.
- (c) Are not presently indicted for or otherwise criminally or civilly charged by a government entity (Federal, State or local) with commission of any of the offenses enumerated in paragraph (1) (b) of this certification; and
- (d) Have not within a three-year period preceding this application/proposal had one or more public transactions (Federal, State or local) terminated for cause or default.

I understand that a false statement on this certification may be grounds for rejection of this proposal or termination of the award. In addition, under 18 USC Sec. 1001, a false statement may result in fine of up to \$10,000 or imprisonment for up to 5 years, or both.

(Typed Name & Title of Authorized Representative)

(Signature of Authorized Representative)

(Date)

☐ I am unable to certify the above statements. My explanation is attached.

EPA FORM 5700-49 (11-88)

Instructions

Under Executive Order 12549 an individual or organization debarred or excluded from participation in Federal assistance or benefit programs may not receive any assistance award under a Federal program, or a sub-agreement thereunder for \$25,000 or more.

Accordingly, each prospective recipient of an EPA grant, loan, or cooperative agreement and any contract or sub-agreement participant thereunder must complete the attached certification or provide an explanation why they cannot. For further details, see 40 CFR 32.510, Participants' responsibilities, in the attached regulation.

Where to Submit

The prospective EPA grant, loan, or cooperative agreement recipient must return the signed certification or explanation with its application to the appropriate EPA Headquarters or Regional office, as required in the application instructions.

A prospective prime contractor must submit a completed certification or explanation to the individual or organization awarding the contract.

Each prospective subcontractor must submit a completed certification or explanation to the prime contractor for the project.

How to Obtain Forms:

EPA includes the certification form, instructions, and a copy of its implementing regulation (40 CFR Part 32) in each application kit. Applicants may reproduce these materials as needed and provide them to their prospective prime contractor, who, in turn, may reproduce and provide them to prospective subcontractors.

Additional copies/assistance may be requested from:

Compliance Branch
Grants Administration Division (PM-216F)
U.S. Environmental Protection Agency
401 M Street, SW
Washington DC 20460
Telephone: 202.475.8025

EPA Form 5700-19 (11-88)

**Construction Contracts of Loan Recipient and Other Sections from
“Procedures for Issuing Loans from the Water Pollution Control Loan Program”**

Section 365.420(b)(2) Change Orders

- A) When the loan recipient authorizes the contractor to add, delete, or revise the work within the general scope of the contract documents, or authorizes an adjustment in the contract price or contract time, the loan recipient shall submit a change order to the Agency.
- B) For each change order, the loan recipient shall submit to the Agency for approval, the following documentation:
 - i) One (1) copy of the fully executed change order signed by the loan recipient, construction engineer, and the contractor; and
 - ii) A description of any changes, with justification for the changes.
- C) Prior approval by the Agency of a change order is required when a change order results in:
 - i) Alterations in design scope that require a modification to a construction permit; or
 - ii) An increase in the amount of loan funds needed to complete the project.
- D) Failure to give timely notice of proposed project changes or action by the loan recipient that is not consistent with the Agency’s determination on those changes may result in disallowance of loan participation for costs incurred that are attributable to the change.

Section 365.620(a) Required Construction Contract Provisions

- 1) Each construction contract shall include the following provisions:
 - A) Audit; access to records:

The contractor shall maintain books, records, documents and other evidence directly pertinent to performance on loan work in accordance with Generally Accepted Accounting Principles (GAAP). The contractor shall also maintain the financial information and data used by the contractor in the preparation or support of any cost submissions required under subsection (c) above, (Negotiation of Contract Amendments, Change Orders) and a copy of the cost summary submitted to the owner. The Auditor General, the owner, the Agency, or any other duly authorized representatives shall have access to the books, records, documents, and other evidence for purposes of inspection, audit, and copying. The contractor will provide facilities for such access and inspection.
 - B) If this contractor is a formally advertised, competitively awarded, fixed price contract, the contractor agrees to include access to records as specified in subsection (d)(1)(A) above. This requirement is applicable to all negotiated change orders and contract amendments in excess of \$25,000 that affect the contract price. In the case of all other prime contracts, the contractor also agrees to include access to records as specified above in all his or her contracts and all tier subcontracts or change orders in excess of \$25,000 that are directly related to project performance.

- C) Audits shall be consistent in accordance with auditing standards generally accepted in the United States of America.
- D) The contractor agrees to the disclosure of all information and reports resulting from access to records pursuant to subsection (d)(1)(A) above. Where the audit concerns the contractor, the auditing agency will afford the contractor an opportunity for an audit exit conference and an opportunity to comment on the pertinent portions of the draft audit report. The final audit report shall include the written comments, if any, of the audited parties.
- E) The records required by subsection (d)(1)(A) above shall be maintained and made available during performance of the work under the loan agreement and for three (3) years after the date of the final loan audit. In addition, records that relate to any dispute or litigation or the settlement claims arising out of any performance, costs or items to which an audit exception has been taken, shall be maintained and made available for three (3) years after resolution of the dispute, appeal, litigation, claim or exception.
- F) The right of access will generally be exercised with respect to financial records under:
- i) Negotiated prime contracts
 - ii) Negotiated change orders or contract amendments in excess of \$25,000 affecting the price of any formally advertised, competitively awarded, fixed price contract; and
 - iii) Subcontracts or purchase orders under any contract other than a formally advertised, competitively awarded, fixed price contract.
- G) The right of access will generally not be exercised with respect to a prime contract, subcontract, or purchase order awarded after effective price competition. In any event, the right of access shall be exercised under any type of contract or subcontract:
- i) With respect to records pertaining directly to contract performance, excluding any financial records of the contractor; and
 - ii) If there is any indication that fraud, gross abuse, or corrupt practices may be involved in the award or performance of the contract or subcontract.
- 2) Covenant against contingent fees.

The contractor shall warrant that no person or selling agency has been employed or retained to solicit or secure the contract upon an agreement or understanding for a commission, percentage, brokerage, or contingent fee. For breach or violation of this warranty, an owner shall have the right to annul the contract without liability or in its discretion to deduct from the contract price or consideration, or otherwise recover, the full amount of such commission, percentage, brokerage, or contingent fee.

3) Wage provision.

The Contractor shall pay prevailing wages in accordance with the Davis-Bacon Act (40 USC 276a through 276a-5 as defined by the US Department of Labor). More information and guidance on the Davis-Bacon Wage Requirements is available on the IEPA website.

4) Disadvantaged Business Enterprise Requirements.

The contractor shall provide evidence, including, but not limited to, a copy of the advertisement or advertisements and the record of negotiation, that the contractor has taken affirmative steps in accordance with 40 CFR, Part 33 to assure that disadvantaged business enterprises are used when possible as sources of supplies, equipment, construction and services consistent with the provisions of the Agency's Operating Agreement with USEPA.

5) Debarment and Suspension Provisions

The contract shall require the successful bidder or bidders to submit a "Certificate Regarding Debarment, Suspension and Other Responsibility Matters" (EPA Form 5700-49) showing compliance with federal Executive Order No. 12549.

6) Non-segregated Facilities Provision

The successful bidder shall be required to submit a certification of non-segregated facilities as prescribed by 18 USC 1001.

7) American Iron and Steel

The successful bidder shall be required to use American Iron and Steel, if required by USEPA for that fiscal year.

8) A Clause that Provides:

"No contractor or subcontractor shall discriminate on the basis of race, color, national origin or sex in the performance of this contract. The contractor or subcontractor shall carry out applicable requirements of 40 CFR 33 in the award and administration of contracts awarded under the WPCLP. Failure by the contractor or subcontractor to carry out these requirements is a material breach of this contract which may result in the termination of this contract or other legally available remedies."

Section 365.620(b) Subcontracts Under Construction Contracts

The award or execution of all subcontracts by a prime contractor and the procurement and negotiation procedures used by the prime contractor shall comply with:

- 1) All applicable provisions of federal, State, and local law;
- 2) All provisions of this Part 365 with respect to fraud and other unlawful or corrupt practices;
- 3) All provisions of this Part 365 with respect to access to facilities, records, and audit of records; and
- 4) All provisions of subsection (a)(5) that require a "Certification Regarding Debarment, Suspension, and Other Responsibility Matters" (EPA Form 5700-49) showing compliance with federal Executive Order No. 12549.

Section 365.620(c) Contractor Bankruptcy

In the event of a contractor bankruptcy, the loan recipient shall notify the Agency and shall keep the Agency advised of any negotiations with the bonding company, including any proposed settlement. The Agency may participate in those negotiations and will advise the loan recipient of the impact of any proposed settlement to the loan agreement. The loan recipient shall be responsible for assuring that every appropriate procedure and incidental legal requirement are observed in advertising for bids and re-awarding a construction contract.

Section 365.620(d) Access

Every contract entered by the loan recipient for construction work, and every sub-agreement, shall provide the Agency representatives with access to the work. The contractor or subcontractor shall provide facilities for such access and inspection.

Section 365.640(c) Remedies

All claims, counter-claims, disputes and other matters in question between the loan applicant and the contractor arising out of, or relating to a sub-agreement or its breach shall be decided by arbitration if the parties agree, or in a court of competent jurisdiction within the State.

Bidder Certification
In Compliance with Article 33E-11 to the
"Criminal Code of 2012"

I, _____, do hereby certify that:

1. I am _____ of the _____ and
(Position) (Firm)

have authority to execute this certification on behalf of the firm.

2. This firm is not barred from bidding on this contract due to either a Bid-rigging or Bid Rotating violation as set forth in Article 33E-11 to the "Illinois Criminal Code of 2012 [720 ILCS 5/33E-11]."

Name of Firm: _____

Signature: _____

Title: _____

Date: _____

Corporate Seal (where appropriate)

On this _____ day of _____, 20____, before me appeared (Name) _____
_____ to me personally known, who, being duly sworn, did execute the
foregoing affidavit, and did state that he or she was properly authorized by (Name of Firm) _____
_____ to execute the affidavit and did so as his or her free act and deed.

Notary Public _____ Commission Expires _____

Notary Seal

Specification for Disadvantaged Business Enterprise Participation

Name of Loan Recipient: Rock River Water Reclamation District (RRWRD)

I. Disadvantaged Business Enterprise Policy

- A. It is the policy of the State of Illinois to award a fair share of sub-agreements to disadvantaged businesses (DBEs). In complying with this requirement, contractors are required to take affirmative steps to assure that disadvantaged businesses are used when possible as sources of supplies, equipment, construction, and services as explained herein.
- B. These specifications define the terms, conditions, and requirements of the State Revolving Fund Loan Program, and RRWRD's policy and procedures for complying with these requirements.
- C. As required by the award conditions of USEPA's Assistance Agreement with IEPA, the fair share percentages are 5% for MBEs and 12% for WBEs.

II. Pre-Contract Award Obligations

- A. Bidders are required to advertise subcontracting opportunities and to negotiate with disadvantaged businesses prior to bid opening. Failure to document such affirmative efforts shall be deemed, relative to disadvantaged business compliance, non-responsive.
- B. To establish a bid as responsible, the bidder will be required to document the proposed utilization of disadvantaged businesses with letters of intent signed by the bidder and by the disadvantaged listed in the bid. The documentation requirements are outlined in Section III of this document.
- C. RRWRD's disadvantaged business policy clearly intends for bidders to contact and encourage the participation of disadvantaged businesses prior to bid opening. Affirmative efforts (the written record of conscientious and honest communications between the bidder and disadvantaged business) must be initiated and completed by the bidder prior to bid opening. All bidders must document compliance with the requirements of the disadvantaged business policy.

III. Evaluation of Disadvantaged Business Utilization and Affirmative Efforts

- A. As a prerequisite to demonstrate compliance with the RRWRD's disadvantaged business policy, all bidders shall provide the following with its bid:
 - 1. Completed and signed certification from the bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services, in the performance of this contract.

OR

2. "Certification of publication" or adequate evidence of proof of publication, including an actual copy of the newspaper advertisement from a daily, regional newspaper.

Bidders may publish the advertisement in an established, online bidder's clearinghouse such as the "Dodge Report (<http://construction.com/dodge/>).” If an online advertisement is placed with the "Dodge Report" or an equivalent website, a screenshot of the advertisement along with the webpage address and a payment receipt are required as documentation. **The advertisement must run one day at least sixteen (16) days prior to bid opening.**

3. List of all disadvantaged business enterprise (DBE) and non-DBE's that submitted proposals to the bidder along with the date of the proposal. Names, addresses, phone number and/or email are required.
4. List of disadvantaged businesses not being utilized and justification for non-utilization.
5. If DBE subcontractors will be utilized for the project, a completed and signed copy of IEPA DBE Form No. 3 (DBE Subcontractor Utilization Form) or equivalent Notice of Intent" is needed from each subcontractor.
6. If DBE subcontractors will be utilized for the project, a completed and signed certification from the bidder(s), attesting that the bidder has no controlling or dominating interest or conflict of interest with the disadvantaged business that will be utilized.
7. In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide a written certification attesting that no proposals were received.

Failure to submit the documentation pursuant to the requirements of A (1-7) above may cause rejection of the bid as non-responsive.

IV. Sanctions

- A. RRWRD may reject one (1) or all bids where the information submitted by the bidder(s) fails to objectively demonstrate compliance with the disadvantaged business requirements (i.e. failure to place the pre-bid advertisement by the bidder(s) at least 16 days prior to bid opening shall not be considered as objectively demonstrating compliance with the disadvantaged business requirements).

B. Upon finding that any Party has not complied with the requirements of these specifications, including misrepresenting a firm as a disadvantaged business, any one or a combination of the following actions may be take:

1. Declare the bidder and/or subcontractor non-responsible and therefore ineligible for contract award.
2. Disallow the contract costs associated with non-compliance.
3. Refer matters which may be fraudulent to the Illinois Attorney General

V. Post-Contract Award Compliance

- A. As required by the award conditions of USEPA's Assistance Agreement with IEPA, all sub-agreements of the prime contractor must identify that the fair share percentages are 5% of MBE's and 12% for WBE's.
- B. After award of the prime contract copies of all disadvantaged business related sub-agreements between the prime contractor and subcontractors shall be submitted to the owner.
- C. Subsequent to Bid Submission, any changes in previously reported disadvantaged businesses utilization shall be handled in accordance with Part 33.302(b-h). If the contractor fails to initiate such actions, the owner may withhold payments and/or institute other appropriate sanctions.

**Suggested Disadvantaged Business Enterprise (DBE)
Advertisement for Construction Contractors**

Notice to Disadvantaged Businesses

_____, _____, _____
(Name of Company), (Address of Company), (Telephone),

is seeking disadvantaged businesses for the Rock River Water Reclamation District project 2019-2020 Collection System Repairs, Capital Project No. 2034 for subcontracting opportunities in the following areas: _____, _____, _____.

All disadvantaged businesses should contact, IN WRITING, (certified letter, return receipt requested), _____ to discuss the subcontracting opportunities.

(Company Contact Person)

All negotiations must be completed prior to bid opening _____ (date of bid opening).

* The advertisement must clearly state the method of evaluating the proposals or quotations, and the relative importance attached to each criterion. Bidders must uniformly and objectively evaluate the proposals submitted by disadvantaged business in response to the advertisement based upon the evaluation criteria stated in the advertisement. The evaluation criteria must not be restrictive or exclusionary.

Summary Report of Disadvantaged Business Enterprise Requirements for Contractors

- 1) Completed and signed certification from bidder(s), attesting that the bidder will award no sub-agreements, including the procurement of equipment, materials, supplies and services in the performance of this contract (may use IEPA DBE Form #1).

OR

Certificate of Publication or adequate evidence of proof of publication, including an actual copy of the newspaper advertisement from a daily, regional publication. For advertisements placed in a construction project clearinghouse such as www.construction.com, a screenshot of the advertisement, link to website, and receipt is required for proof of advertising.

- 2) List of all disadvantaged business enterprises (DBE) and non DBE's that submitted proposals to the bidder/prime contractor. Specify as DBE or non-DBE, type of DBE, and the other information listed below (DBE Form #4 may be used for this purpose).

Name of Company

Name of Owners

Address of Company

Email Address of Company

Telephone Number

Date of Proposal

_____ Business _____ Type of DBE

Description of work to be performed

- 3) List of disadvantaged businesses that submitted proposals to the bidder but will not be utilized. Justification for non-utilization must be provided (may use IEPA DBE Form #1).
- 4) Completed and signed copies IEPA DBE Form #3 (Subcontractor Utilization Form) or equivalent "Notice of Intent." Only applies if using DBE subcontractors.
- 5) Completed and signed certification from bidder(s) attesting that the bidder has no dominating or conflict of interest with the disadvantaged business to be utilized (IEPA DBE Form #1). Only applies if using DBE subcontractors.
- 6) In instances where the bidder(s) does not receive any proposals from disadvantaged businesses prior to bid opening, the bidder(s) must provide written certification attesting that no proposals were received (IEPA DBE Form #1).
- 8) **Note:** DBE Form #2 is **not** included in this packet. It is for consultant/engineers to report DBE activity. It is for consultants/engineers to report DBE activity. This form may be found in IEPA's DBE Guidance Manual which is available on the Agency's website or mailed upon request by calling 217.782.2027.

**IEPA Disadvantaged Business Enterprise (DBE) Program Form #1
Contractor Certification Form**

(To be completed by all Prime Contractors)

Please check the appropriate boxes that apply and complete the information on the bottom of the form.

☐ This firm will award no subcontracts (including in the procurement of equipment, supplies, or services) in the performance of this contract.

☐ This firm advertised for DBE subcontractors according to the good faith efforts outlined in the IEPA DBE Guidance Document.

☐ This firm received proposals from DBE(s) that will not be utilized. A list of the DBEs not hired along with their address, phone number, and reason(s) for non-utilization is below.

☐ This firm did not receive any inquiries from DBEs.

I certify that the above is true. I further certify that this firm and its partners, directors, and officers do not possess a controlling interest in ownership or conflict of interest or any other authority to control the DBE to be used during the performance of the contracts.

Dated this ____ day of _____, 2019.

Contractor:

By: _____

Name: _____

Title: _____

Address: _____

**EPA Disadvantaged Business Enterprise (DBE) Program Form #3
Subcontractor Utilization Form**

(Only complete this form if DBE subcontractors or sub-consultants will be working this project.)

This form is intended to capture the DBE subcontractor's description of work to be performed and the price of the work submitted to the prime contractor. All subcontractors must complete this form and it must be included in the prime contractor's bid package.

Subcontractor Name:	Project Name 2019-2020 Collection System Repairs, RRWRD Capital Project No. 2034
Contact Person's Name and Title:	
Address:	
Telephone:	Email:
DBE Certified By:	Select One: MBE WBE SBE DBE
Prime Contractor Name:	
Type of Work to be Performed	Cost Estimate of Work

I certify under penalty of perjury that the forgoing statements are true and correct. Signing this form does not signify a commitment to using the subcontractors above. I am aware that in the event of a replacement of a subcontractor, I will adhere to the replacement requirements set forth in 40 C.F.R. Part 33 Section 33.302(c).

Prime Contractor Signature:	Print Name:
Date:	Title:
Subcontractor's Signature:	Print Name:
Date:	Title:

IEPA Disadvantaged Business Enterprise (DBE) Program Form #4 – Bidders List

(Only complete this form if subcontractors or sub-consultants will be working on this project.)

Using this form / format is optional. Other formats are acceptable.

Company Name & Contact Person	Address	Phone No. w/Area Code	Email	Proposed Work (supplies, paint, etc.)	DBE Status (MBE, WBE, DBE, SBE)
					<input type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired
					<input checked="" type="checkbox"/> Check if hired
					<input type="checkbox"/> Check if hired

**Bidder Certification Regarding the Use of
American Iron and Steel Products**

_____, do hereby certify that:
Name

1. I am _____ (title) of the _____
(company, partnership, etc.) and have authority to execute this certification on behalf of the firm.
2. This firm is aware that all iron and steel products used for this project must be produced in the United States per Section 436 (a) – (f) of the Consolidated Appropriation Act, 2014.
3. This firm is aware that the use of American iron and steel products applies to all projects for the construction, alteration, maintenance, or repair of publicly owned treatment works (POTW) or public water systems.
4. This firm understands the term “iron and steel products” refers to the following products made primarily of iron or steel: lined or unlined pipes and fittings, manhole covers and other municipal castings, hydrants, tanks, flanges, pipe clamps and restraints, valves, structural steel, reinforced precast concrete, and construction materials.
5. I am aware that this requirement applies to all portions of the project that are subcontracted.

Name of Firm: _____

Signature: _____

Title: _____

Date: _____

Corporate Seal (where appropriate)

Requirements Specific to American Iron and Steel

The Consolidated Appropriations Act of 2014 (Public Law 113-76) first included an “American Iron and Steel (AIS)” requirement that requires Clean Water State Revolving Fund (CWSRF) and Drinking Water State Revolving Fund (DWSRF) loan recipients to use iron and steel products that are produced in the United States for projects involving the construction, alteration, maintenance, or repair of a public water system or treatment works if the project is funded through a CWSRF or a DWSRF loan. Guidance is available on USEPA’s website: http://water.epa.gov/grants_funding/aisrequirements.cfm. Waivers from the requirements are available under certain circumstances.

For CWSRF or DWSRF purposes, an iron or steel product is one (1) of the following made primarily of iron or steel that is permanently incorporated into the public water system or treatment works:

- Pipes (lined or unlined) and fittings;
- Manhole Covers;
- Municipal Castings (defined in more detail below);
- Hydrants;
- Tanks;
- Flanges;
- Pipe Clamps and Restraints;
- Valves;
- Structural Steel (defined in more detail below);
- Reinforced Precast Concrete; and
- Construction Materials (defined in more detail below).

For one of the listed products to be considered subject to the AIS requirements, it must be made of greater than fifty percent (50%) iron or steel, measured by costs. The cost should be based on the material costs.

For purposes of the AIS, steel means an alloy that includes at least fifty percent (50%) iron, between 0.2 and 2 percent carbon, and may include other elements. Metallic elements such as chromium, nickel, molybdenum, manganese, and silicon may be added during the melting of steel for the purpose of enhancing properties such as corrosion resistance, hardness, or strength. The definition of steel covers carbon steel, alloy steel, stainless steel, tool steel, and other specialty steels.

For the purposes of AIS, production in the United States of the iron or steel products used in the project requires that all manufacturing processes, including application of coatings, must take place in the United States, except for metallurgical processes involving refinement of steel additives. All manufacturing processes including processes involving refinement of steel additives. All manufacturing processes includes processes such as melting, reeling, forming, rolling, drawing, finishing, fabricating and coating. Further, if a domestic iron and steel product is taken out of the US for any part of the manufacturing process, it becomes foreign material. However, raw materials such as iron ore, limestone, and iron and steel scrap are not covered by the AIS requirement, and the material(s), if any, being applied as a coating are similarly not covered. Non-iron or steel components of an iron and steel product may come from non-US sources. For example, for products such as valves and hydrants, the individual non-iron and steel components do not have to be of domestic origin. Raw materials, such as iron ore, limestone, scrap iron, and scrap steel, can come from non-US sources.

For AIS, municipal castings are cast iron or steel infrastructure products that are melted and cast. They typically provide access, protection, or housing for components incorporated into utility owned drinking water, storm water, wastewater, and surface infrastructure. They are typically made of grey or ductile iron, or steel. Example of municipal castings are:

Access Hatches;	Drainage Grates, Frames, and Curb Inlets;
Ballast Screens;	Inlets;
Benches (Iron or Steel);	Junction Boxes;
Bollards;	Lampposts;
Cast Bases;	Manhole Covers, Rings and Frames, Risers;
Cast Iron Hinged Hatches, Square & Rectangular;	Meter Boxes;
Cast Iron Riser Rings;	Service Boxes;
Catch Basin Inlet;	Steel Hinged Hatches, Square & Rectangular;
Cleanout/Monument Boxes;	Steel Riser Rings;
Construction Covers and Frames;	Trash Receptacles;
Curb and Corner Guards;	Tree Grates;
Curb Openings;	Tree Guards;
Detectable Warning Plates;	Trench Grates; and
Downspout Shoes (Boot, Inlet);	Valve Boxes, Covers and Risers.

For AIS, structural steel is rolled flanged shapes, having at least one (1) dimension of their cross-section three inches (3") or greater, which are used in the construction of bridges, buildings, ships, railroad rolling stock, and for numerous other constructional purposes. Such shapes are designated as wide-flange shapes, standard I-beams, channels, angles, tees, and zeeks. Other shapes include H-piles, sheet piling, tie plates, cross ties, and those for other special purposes.

For AIS, construction material are those articles, materials, or supplies made primarily of iron and steel, that are permanently incorporated into the project, not including mechanical and/or electrical components, equipment and systems. Some of these products may overlap with what is also considered "structural steel." This includes, but is not limited to, the following products: wire rod, bar, angles, concrete reinforcing bar, wire, wire cloth, wire rope and cables, tubing, framing, joists, trusses, fasteners (i.e. nuts and bolts), welding rods, decking, grating, railings, stairs, access ramps, fire escapes, ladders, wall panels, dome structures, roofing, ductwork, surface drawings, cable handling systems, manhole steps, fencing and fence tubing, guardrails, doors, and stationary screens.

For the purposes of AIS, mechanical and electrical components, equipment and systems are not considered constructional materials. Mechanical equipment is typically that which has motorized parts and/or is powered by a motor. Electrical equipment is typically any machine powered by electricity and includes components that are part of the electrical distribution system.

There are specific requirements for precast concrete to comply with AIS. While reinforced precast concrete may not be at least fifty percent (50%) iron or steel, in this case, the reinforcing bar and wire must be produced in the US and meet the same standards as for any other iron or steel product. Additionally, the casting of the concrete product must take place in the US. The cement and other raw materials used in concrete production are not required to be of domestic origin. If the reinforced concrete is cast at the construction site, the reinforcing bar and wire are considered a construction material and must be produced in the US.

**Recordkeeping for Iron and Steel Products:
Documenting the Country of Origin for Iron and Steel Products for Loan Programs**

Loan recipients with assistance from their general contractor must be able to verify that products used in their projects comply with AIS requirements. USEPA recommends loan recipients use a “Step Certification” process to ensure that producers adhere to the AIS requirements. Step certification is a process under which each handler (supplier, fabricator, manufacturer, etc.) of the iron and steel products certifies that their step in the process was domestically performed. Each time a step in the manufacturing process takes place, the manufacturer delivers its work along with a certification of its origin. A certification can be quite simple as long as it includes the name of the manufacturer, the location of the manufacturing facility (not company headquarters), a description of the product or item being delivered, and a signature by a manufacturer’s responsible party. An example of this type of certification is attached.

Certification could be achieved by other methods such as reporting the final manufacturer, who delivers the iron/steel products to the worksite, to provide certification that all manufacturing processes occurred in the US. While this type of certification is easier and acceptable, it may not provide the same degree of assurance and additional documentation may be needed. USEPA auditors recommend keeping records of when and where the products were delivered. Examples include: Perry Water Plant on August 3, 2017, or Jankousky Construction Offices on October 5, 2017. Records from the manufacturer should refer to specific items such as pipes, valves, meters, etc. Try to avoid records containing broad statements such as, “All products delivered were made in the USA.”

Regardless of the method, documents regarding the country of origin for iron and steel products should be collected and maintained by all loan recipients. Having a good paper trail is invaluable during an inspection or audit.

Information is available at <http://www.epa.illinois.gov/topics/grants-loans/water-financial-assistance/state-revolving-fund/guidance/index>

Sample Certification Letter

The following information is provided as a sample letter of step certification for AIS compliance. The completed letter is provided to the construction contractor or loan applicant from the supplier, fabricator, manufacturer, etc. of iron and steel products. Documentation must be provided on company letterhead. If email is used, documents should be scanned so the company letterhead is visible.

Company Letterhead

Date

Company Name

Company Address

City, State Zip

**Subject: American Iron and Steel Step Certification for 2019-2020 Collection
System Repairs, Capital Project No. 2034, IEPA Project No. L17-5658**

I, (insert name of Company Representative), certify that the (melting, bending, coating, galvanizing, cutting, etc.) process for (manufacturing or fabricating) the following products and/or materials shipped or provided for the subject project is in full compliance with the American Iron and Steel requirements as mandated in EPA's State Revolving Fund Program.

Item, Products and/or Materials: (list below)

1. _____
2. _____
3. _____

Such process took place at the following location (City and State must be included):

If any of the above compliance statements change while providing material to the project, we will immediately notify the prime contractor and the engineer.

Signed by Company Representative

Section II
Detailed Specifications

Section II – Detailed Specifications

1 General

This section contains detailed specifications relating to proposal items. The work to be done under each item is discussed along with units for measurement and payment. Descriptions given do not necessarily outline all the work to be done under any item. In addition, all work shall conform to the following Technical Specifications: *Standard Specifications for Water and Sewer Main Construction in Illinois*, current edition, Rock River Water Reclamation District *General Provisions and Technical Specifications for Sanitary Sewer Construction*, and the Illinois Department of Transportation (I.D.O.T.) *Standard Specifications for Road and Bridge Construction*, current edition.

Throughout these specifications, the terms “Owner”, “Engineer”, and “District” shall be synonymous.

In case of apparent contradictions between these *Detailed Specifications* and the *General Provisions and Technical Specifications*, these Detailed Specifications shall govern.

The Contractor shall notify the Rock River Water Reclamation District (District), private property owners, and public roadway authority (City of Rockford) forty-eight (48) hours minimum prior to beginning any work to have an inspector present during all construction.

Unless noted otherwise, the Contractor shall be responsible for securing any necessary permits, and for securing all bonds, insurance, etc. and paying all fees required by any and all permits. Copies of all secured permits shall be provided to the District prior to the start of construction. The Contractor shall comply with all provisions of permits required for this project.

The Contractor shall notify all utility companies prior to beginning any work. All underground utilities shall be located by the utility involved and special care shall be taken when excavating near underground utilities to avoid damage. Forty-eight (48) hours minimum prior to starting construction, the Contractor shall call JULIE at 800.892.0123 for utility location at site.

No utility locations, whether above or below ground, have been shown on the location maps. The location and/or elevation of existing underground utilities, such as gas mains, water mains, electric lines, field tiles, irrigation pipes, etc., shall be determined by the Contractor. The Contractor shall assume full responsibility for all utility locations.

General location of sewer is governed by existing obstructions in the field. Minor variations in location may be made after approval by District to facilitate construction operations.

Contractor shall employ a competent person to comply with OSHA trenching and excavation requirements on site at all times during construction. The person shall be capable of identifying existing and probable hazards in the surroundings, or working conditions which are unsanitary, hazardous or dangerous to employees, and shall be authorized to take prompt corrective measures to eliminate them. The means and methods to comply with construction site safety are the sole responsibility of the Contractor. District staff is not responsible for Contractor's compliance procedures.

The District will not supervise, direct, control or have authority over or be responsible for Contractor's means, methods, techniques, sequences or procedures of construction, or the safety precautions and programs incident thereto, or for any failure of Contractor to comply with Laws and Regulations applicable to the furnishing or performance of the Work. District will not be

responsible for Contractor's failure to perform or furnish the Work in accordance with the Contract Documents.

Construction performed without a District inspector present shall not be accepted.

The Contractor shall be responsible for all tests of materials and final installation required by the District. Final inspection, testing and acceptance tests shall be in accordance with *General Provisions and Technical Specifications* and requirements of the District except as modified by these *Detailed Specifications*.

All deficiencies noted by the inspectors shall be corrected by the Contractor without cost to the District and prior to final payment.

The Contractor shall restore all disturbed areas to near original contour and state, graded and raked to a neat and well-drained condition. All disturbed turf areas shall be seeded or sodded as noted in specifications after approval of seed or sod bed by the District.

Any damage to pavement, driveways, bituminous surfacing, turf, trees, bushes, structures, etc., shall be repaired or replaced to equal or better condition or as required by easement agreements. Restoration in right-of-way areas shall be in accordance with applicable roadway authority requirements.

It shall be the Contractor's responsibility to secure any temporary or permanent access, storage or construction easements which he deems necessary from property(ies) to perform the work as shown on the plans or defined in the specifications.

All work in streets, highways, railroad right-of-way or flood plains shall be subject to the regulations and requirements of the appropriate agencies. Should conflicts or contradictions arise between the plans, specifications and the roadway, railroad or waterway permits, the permits shall govern.

The Contractor shall be responsible for the temporary maintenance of all roadways and drives over the course of this project and shall maintain access at all times. The Contractor shall clean up areas from which spoil has been removed at the end of each day by sweeping, washing or other approved methods. When the work is halted by rain, the Contractor shall clean up the working areas before leaving the site.

The Contractor shall provide traffic control manpower and/or equipment as required by the jurisdictional roadway authority.

No work shall be permitted on Sundays without prior approval by District Engineering Manager.

Pavement Restoration shall be completed on each Collection System Repair within fourteen (14) days of completion of the pipe and/or manhole repair.

Suppliers shall be deemed to impliedly warrant that their products and all component materials incorporated into them are suitable and fit for the intended use of such products and shall be free from defect in material, workmanship or design, such warranty to run to the benefit of the District. The foregoing applies whether the products or their component materials are specified in the Contract Documents or are of supplier's design.

2 Notification, Access and Special Considerations

2.1 General

Contractor shall notify all affected residents or businesses of the impending construction project a minimum of forty-eight (48) hours minimum prior to the start of construction.

The Contractor shall provide access to the residences and/or businesses, schools, etc. at all times (i.e. drives, roadways, ramps, etc., must remain open or acceptable alternate access must be provided) over the course of this Contract.

2.2 Specific Site Considerations

Item No. 6 – Rose Ave.: Proposed repair is adjacent to Barbour Elementary School. Contact Wilson Bailey at Wilson.bailey@rps205.com to coordinate work with School.

Item No. 16 – S. Rockford Ave.: Contact the Salvation Army, Rockford Temple to coordinate access to parking lot; phone 815.226.4400.

2.3 Submittals – Not Used

2.4 Payment

No separate payment for notification efforts or special access provisions will be made. This work shall be included in the Contract lump sum (LS) price per each applicable Collection System Repair.

3 Permit Requirements

3.1 General

The Contractor shall comply with the requirements of any and all permits obtained and required for the construction of this project; this includes but is not limited to: Army Corps of Engineers, IDNR, City of Rockford, or others. The Contractor shall provide all insurance, bonds, etc. as required by the necessary permits. The Contractor shall also obtain and comply with any additional permits that may be required for the completion of this project.

The City of Rockford will require a right-of-way permit for all Collection System Repairs located in City of Rockford right-of-way. Traffic control plans as required by the City shall be reviewed and approved prior to the start of construction. Contact Jordan Masemore at (779)-348-7174, Jordan.masemore@rockfordil.gov.

3.2 Submittals

1. Copies of signed permits as applicable.

3.3 Payment

Payment for procurement of and compliance with any permits required shall be included in the Contract lump sum (LS) price per each applicable Collection System Repair.

4 Sanitary Sewer Collection System Repair

4.1 General

Work under this item includes permits, mobilization/transportation, site access, site preparation, supervision, and all labor, equipment and materials needed to complete main line repairs on existing sanitary sewers of various diameters and materials with new sanitary sewer pipe on grade and in line. Work shall also include manhole removal and replacement, existing manhole invert reconstruction, inside and outside drop connection removal and replacement, disposal of removed materials, traffic control, temporary by-pass pumping, pipe bedding and backfill, compaction, pavement restoration, construction easement acquisition, trench dewatering, utility relocation and/or removal and replacement, all site and property restoration, grading, erosion control, dust control, tree trimming and removal, and any ancillary items necessary for the completion of this project not specifically provided for herein.

The lengths of the collection system repairs indicated in *Section III* are estimated only. The Contractor's lump sum price per Collection System Repair shall be based on the length shown with an allowance of up to 10.0' of pipe per connection. This allowance for additional pipe is also applicable to pipe used to connect new manholes. Connection shall be made to structurally sound pipe with positive slope as verified by the District Inspector. If additional pipe replacement is required, over and above the 10.0' of additional pipe, the District will reimburse the Contractor on a time and material basis.

The District has completed internal televising of all existing sewers on this project. Video Reports are available for viewing at the District's office during normal working hours (8:00 a.m. – 4:30 p.m.). Location maps for repairs are attached in *Section IV*. Where work includes removal and replacement of an existing manhole, a manhole inspection report is attached.

The Contractor shall be responsible for locating the main line repair limits in the field; both for the JULIE locate and repair. Sewer service locations on the location maps are not exact.

Contractor shall field verify the depth of all Collection System Repairs on this project. The depths indicated are based on TV inspections from manholes on standard televising setups and at the downstream manhole on reverse televising setups. Depth and inverts on supplied maps are based upon most recent District inspection.

The Contractor shall be responsible for any costs associated with corrective measures required to repair or replace items not meeting the requirements of these specifications as determined by the District.

4.2 Pipe Materials

All materials, pipes and fittings shall be transported, handled, delivered and stored as recommended by the manufacturer. Any new pipe or fittings damaged before or during construction shall be replaced as recommended by the manufacturer or as required by the District, at the Contractor's sole expense.

Any 9" diameter clay pipe encountered shall be replaced with 10" diameter PVC pipe.

4.2.1 Sanitary Sewer Main

8" through 15" Diameter PVC pipe shall be SDR 35 PVC pipe meeting the requirements of ASTM D3034. Joints shall conform to ASTM D3212.

18" through 36" Diameter PVC pipe shall meet the requirements of ASTM F679. Joints shall conform to ASTM D3212.

4.2.2 Sanitary Sewer Services

PVC Pipe shall be watermain quality SDR 26 pipe meeting the requirements of ASTM D2241 with O-ring joints per ASTM D3139. Where required or specified, PVC Pipe shall be Schedule 40 PVC meeting the requirements of ASTM D1785 and D2665. Solvent weld joint shall meet the requirements of ASTM D2855

4.2.3 Transition Couplings

Clay to PVC and cast iron or ductile iron to PVC pipe transition couplings shall be Fernco 5000 or LDC series (as required by pipe diameter) or Mission Flex-Seal ARC shear resistant or District-approved repair couplings, made of flexible PVC compound with 316 stainless steel clamps and stainless steel rings. Transition couplings shall conform to the applicable parts of ASTM D5926 and C1173.

4.2.4 Material Tests

All material tests shall be made in accordance with manufacturer and District requirements and shall comply with all applicable ASTM specifications. Manufacturer material specifications and certifications for all castings, pipes, fittings, connectors, adapters, etc., must be furnished, upon request, for all materials to be used under this contract.

4.3 Submittals

The Contractor shall submit the following items for review and approval:

1. Pipe, fitting, and repair coupling material specifications.
2. Detailed Project Schedule, including specific collection system repair numbers from list provided in *Section III*.

4.4 Measurement and Payment

Payment for Collection System Repairs shall be made at the Contract lump sum (LS) price for each Collection System Repair.

5 Manholes

5.1 General

Work under this item shall include all labor, equipment, and materials, required to construct pre-cast concrete sanitary manholes including connecting to existing sanitary sewers in accordance with the District Standard Detail Sheet and District Specifications. Work includes furnishing and installing a District-approved manhole frame and lid (Neenah R-1670, R1915J, or EJ E-1117) adjusted to grade as indicated on the project location maps provided in *Section IV* or as specified in this section; Contractor shall field-verify all proposed rim elevations. District-approved manhole steps shall be provided with a maximum spacing of 16". The top of the pre-cast cone section shall be at an elevation to allow for adjustment of frame (12" maximum) without disturbing the cone section. Should it be required to stub a section of pipe out of a manhole or install a drop connection, this section of pipe and plug shall be considered incidental to the cost of the size and type of manhole installed.

Unless otherwise specified or shown, manhole frames shall be set at one inch (1") above finish grade in turf areas and at finished grade in paved areas. Concrete adjusting rings shall be standard reinforced concrete pipe pattern. Minimum ring thickness shall be two inches (2"). Maximum ring thickness shall be twelve inches (12"). Adjustment rings shall conform to ASTM C478 and ASTM C139, latest revision. Concrete for adjusting rings: Class "A" as specified in T.S. 5:3(a) in the District's *General Provisions and Technical Specifications for Sanitary Sewer Construction*.

All adjusting ring joints shall be sealed watertight by means of EZ Stik, Kent-Seal, or equal (including cast iron frame to concrete adjusting ring). Minimum adjusting ring placement height is four inches (4"). Maximum adjusting ring placement height is twelve inches (12"). No more than thirty inches (30") from the top of casting to the first step will be allowed. A maximum of one (1) 2" adjusting ring will be allowed. Joint between adjusting rings and casting shall be watertight by means of a butyl material seal (E-Z Stik, Kent-Seal, or equal).

No adjusting rings are required for manholes in turf areas or with roadway having curb and gutter.

In roadways only: metal or plastic shims will be required if the casting in the roadway must be pitched to accommodate roadway pavement. Shims must be equally spaced with no more than one-inch (1") of total adjustment. No butyl materials seal (E-Z Stik, Kent-Seal, or equal) will be used under the casting. The void area between the casting, and masonry shall be grouted from the outside to the inside face of the adjusting ring, filling the entire void. No trench compaction shall take place until the concrete has cured and hardened to the District's satisfaction. Final manhole adjustment shall meet additional requirements of the applicable roadway authority.

Unless noted otherwise, manhole bases shall be constructed in the factory with only the opening for the pipe coming out of the manhole (with District-approved gasket) cast in place. The openings for the pipes coming into the manhole shall be core drilled in the field. A flexible pipe to manhole connector (PSX Positive Seal Gasket System with Power Sleeve Expansion or other District-approved connector) shall be installed in the field.

All connections to the new manholes shall be made with PVC SDR 35 Pipe (ASTM 3034) diameters of 8" through 15", and ASTM F679 for diameters of 18" through 36". A minimum of 3.0' of new PVC pipe shall be installed at each connection to existing sanitary sewer.

The Contractor shall install a District-approved external casting seal on all proposed manholes as indicated on the Detail Sheet. The Contractor shall install District-approved external seals on all manhole barrel section joints (Cretex Mac Wrap or CANUSA Wrapid Seal).

All new manholes shall be vacuum tested per ASTM C1244 *Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test* prior to placing into service.

For all new manholes, and where manhole invert reconstructions are required, the Contractor shall construct a paved manhole bench in each manhole per the District's Standard Detail Sheet or per the District's direction. Manhole benches shall have a minimum slope of two inches (2") per foot.

Pipe connections to new manholes shall be made by means of a watertight flexible pipe to manhole connector meeting the requirements of ASTM C923 titled "Resilient Connectors between Reinforced Concrete Manhole Structures and Pipes." Integrally cast and expandable gaskets are acceptable. The design shall be in accordance with the manhole and pipe manufacturer requirements and shall receive prior District approval. All sanitary manholes equal to or greater than twenty-two feet (22') deep shall use pipe to manhole gaskets rated to a minimum of 15 psi hydrostatic pressure (A LOK model X-CEL or District-approved equivalent).

Flat tops will not be permitted on four foot (4') diameter manholes; eccentric cone sections must be a component of these manholes unless otherwise noted.

Manholes identified with inside drop connections shall utilize a Reliner inside drop bowl assembly as manufactured by Reliner/Duran, Inc. Drop connections shall be sized as per the

manufacturer's recommendations. Contractor shall submit shop drawings for all manhole drop connections.

The Contractor shall be responsible for verifying all manhole depths, pipe slopes and angles.

5.2 Submittals

1. Manhole shop drawings including a specific detail for each manhole showing the number and height of barrel sections, height of cone section, number and size of adjusting rings, location and spacing of steps and invert elevations of all pipes. A plan view shall be provided showing the orientation of pipe openings.
2. Manhole frames and lid material specifications.
3. Chimney seal material specifications.
4. Barrel joint seal material specifications.
5. Manhole to pipe connection seal material specifications.
6. Manhole step material specifications.
7. Sealant material specifications, including water stop for doghouse manholes.
8. Drop assembly material specifications (as applicable).

5.3 Payment

Payment for sanitary manholes installed shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

6 Bedding, Backfill and Compaction

6.1 General

Pipe Bedding

Pipe bedding for PVC pipe shall be Class IA per ASTM Standard D2321. The trench bottom shall be bedded with a minimum of six inches (6") of crushed stone foundation. Crushed stone shall be placed to a minimum of twelve inches (12") above the top of the pipe, per the District's bedding detail.

Bedding shall be graded such that it precludes the migration of trench wall material into the bedding; the District shall approve this bedding material after the characteristics of the trench are determined. In the event that the trench bottom is unstable, as determined by the District, the Contractor shall undercut the trench as required and furnish foundation material at no additional cost to the District. The foundation material shall be a coarse aggregate material of a gradation distribution that will inhibit the migration of the bedding material, trench bottoms and walls.

In the event the water table is above the bottom of the pipe bedding, or the trench bottom is unstable or unsuitable, a porous granular foundation meeting I.D.O.T. *Standard Specifications* of CA-5 or CA-3 stone shall be installed as necessary below the granular bedding material, extending to the limits of the bedding diagram at no extra cost to the District.

Should boulders, frozen material, etc., which could damage the pipe be present in the native backfill material, the Contractor shall bring the bedding material to a point twenty-four inches (24") above the crown of the pipe (cost incidental).

Backfill and Compaction

The Contractor shall use approved select trench backfill to the level of the base under all roads, shoulders, sidewalks, driveways, parking lots or pavements of any kind and beyond such pavements as set forth in *General Provisions and Technical Specifications* T.S. 2:4-c. Select trench backfill under said structures shall be of FA 6 gradation (I.D.O.T.), mechanically-compacted in six-inch (6") to eighteen-inch (18") loose lifts to the sub-grade elevation of the road shoulder, sidewalk, driveway, parking lot or pavement. The materials and compaction shall be in accordance with the I.D.O.T. *Standard Specifications for Road and Bridge Construction*, (Current Edition), including Section 208 and 550.07, Method 1.

All select trench backfill shall be compacted to ninety-five percent (95%) of Proctor density; all other backfill shall be compacted to ninety percent (90%) minimum of Proctor density.

Contractor shall properly dispose of all spoil at no additional cost to the District. The Contractor shall exercise care not to disturb any existing utilities during backfilling and compaction operations.

The Contractor shall furnish a backhoe and operator during the testing of the backfill placed during construction. All compaction tests will be performed at the Contractor's expense by an approved, independent geotechnical-testing firm. If the tests do not meet the compaction requirement specified above, the area shall be both re-compacted and re-tested at the Contractor's expense until the test requirements are met.

Use of vibratory rollers will not be permitted on this project.

For granular backfill (FA6), a vibratory plate, or other approved equipment-mounted compaction equipment must be used by the Contractor to compact the backfill in lifts not to exceed eighteen inches (18"). Water-jetting, ponding or flooding will not be permitted as a means of trench compaction.

If initial tests indicate compaction requirements are being met, no further lift testing will be required unless method, equipment or material changes. The final lift forming the sub-grade must be tested.

In trenches not requiring select trench backfill, no excavated material larger than eight inches (8") in any dimension shall be used in the backfill.

The Contractor shall provide a one (1) year guarantee against trench settlement throughout this project upon completion of construction.

6.2 Submittals

1. Pipe bedding and select trench backfill material gradation certifications.

6.3 Payment

Payment for bedding, backfill and compaction shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

7 Remove Sanitary Manhole

7.1 General

This work shall consist of removal and disposal of existing sanitary sewer manholes as required to construct this project. All work shall conform to Section 605.03 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction*. The existing manhole castings shall be delivered to the R.R.W.R.D. North Facility at 4850 Torque Road, Loves Park, Illinois between 7:00 a.m. and 3:30 p.m. Coordinate with District Inspector or Brian Markgraf at (815)-543-3470 a minimum of one (1) hour prior to delivery.

7.2 Submittals – Not used.

7.3 Payment

Payment for removal and disposal of existing sanitary sewer manholes shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

8 Bypass Pumping

8.1 General

The Contractor shall provide bypass pumping as required and shall be responsible for providing all pumps, conduits, plugs and other equipment to divert the flow of sewage as required to complete the proposed Collection System Repairs.

The Contractor shall furnish the necessary labor, equipment, materials and supervision to set up and operate the pumping system. The Contractor shall only pump flow into other sanitary sewer manholes as approved by the District. The pumping system shall have sufficient capacity to handle the existing flow plus any additional flow that may occur during or after a storm event or peak flow periods. The Contractor shall provide sufficient inspection personnel to ensure that surcharging and backups do not occur on public or private property. If pumping is required on a 24-hour basis, the equipment supplied shall be equipped to minimize noise to a level of ninety decibels (90 dB) or less.

All plugs or blocking shall be restrained to ensure that they cannot be washed downstream.

The Contractor shall be responsible for maintaining continual sanitary sewer service to each resident for the duration of construction. The Contractor shall be responsible for the clean up, repair, restoration of damaged property and any costs and claims resulting from sewage backups.

8.2 Submittals

1. Specifications for all pumping equipment, including backup pumping equipment.

8.3 Payment

Payment for bypass pumping shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

9 Sewer Service Replacement

9.1 General

This work shall consist of replacing existing sanitary sewer services from the private VCP, PVC or cast iron pipe at or near the property or easement line (or point of connection as shown on the project location maps) to the new sanitary sewer with 4" or 6" PVC pipe as indicated on project location maps. This item shall include all necessary materials, risers, fittings, couplings, adaptors, labor, bypass pumping, sidewalk replacement, curb and gutter replacement, pavement restoration, storm

sewer removal/replacement, equipment, supervision and work necessary to complete this work with all necessary appurtenances. All existing VCP sanitary sewer services in the right-of-way or easement limits are believed to be 6" diameter.

When replacing 4" diameter sewer services to single family residential homes, the Contractor will be allowed to telescope the new 4" Schedule 40 PVC pipe through existing 6" VCP service pipe provided there is adequate line and grade. If sleeving of the 4" service into the existing 6" service cannot be accomplished, open cut replacement will be required at no additional cost. All 6" diameter sewer services to be replaced with 6" PVC services will require open cutting.

Sleeved / Telescoped Sanitary Sewer Service Replacement pipe shall be Schedule 40 PVC meeting the requirements of ASTM D-1785 and D-2665. Solvent weld joints shall meet the requirements of ASTM D-2855.

Open cut sanitary sewer service replacement pipe shall be watermain quality PVC SDR 26 meeting the requirements of ASTM D-2241 with O-ring joints per ASTM D-3139.

The Contractor shall be responsible for maintaining the current level of service to all users connected to the existing sanitary sewer. Bypass pumping shall be provided as necessary at no additional cost.

Clay or Cast Iron Pipe to PVC pipe transitions shall be made by use of shear-resistant flexible Clay or C.I.P.-to-PVC adapters (Fernco Model 5000, Mission Flex Seal ARC, or District-approved equal adaptor). Connection shall be made to existing pipe that is structurally sound.

Connection of a new service lateral to new sewer main shall be made with a factory wye fitting.

Connection of a new service lateral to an existing sewer main shall be made with a saddle-wye fitting.

This bid item shall include excavation, dewatering, pipe, fittings, risers, adapters, cleanouts, jacking, and connection to the existing house/building discharge lateral for occupied parcels as shown on the plans.

RRWRD Connection permits for existing sewer service replacement and reconnections will not be required.

The location of existing sewer service wyes is based upon TV logs and record information, and the proposed service connection at the Right-of-Way or easement line is based upon that location. Should the service alignment, diameter or point of connection vary from that shown in the plans, no claims for additional compensation will be entertained.

Cleanouts will be required at the property or easement line, as shown on the Standard Detail Sheet and where required by the Illinois State Plumbing Code. A cleanout casting shall be provided on all cleanouts in paved areas (Neenah R-1974-A or District-approved equal).

9.2 Submittals

1. Pipe, fittings, and repair coupling material specifications.
2. Cleanout casting shop drawings; Neenah R-1974-A or equal.

9.3 Payment

Payment for replacement of sewer services shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

10 Sewer Service Reconnection

10.1 General

Work shall include excavation, dewatering, pipe, fittings, risers, adapters, and connection to the existing building discharge lateral for occupied parcels as shown on the project location maps. Sidewalk removal and replacement, curb and gutter removal and replacement, bedding, initial backfill, select backfill, pavement and surface restoration shall be included and shall comply with specifications for provided elsewhere in these Detailed Specifications. All work shall be performed in accordance with State and local plumbing codes.

Sanitary sewer service pipe shall be watermain quality PVC SDR 26 meeting the requirements of ASTM D-2241 with O-ring joints per ASTM D-3139.

The Contractor shall be responsible for maintaining the current level of service to all users connected to the existing sanitary sewer. Bypass pumping shall be provided as required.

Connection to new sewer main shall be made with a factory wye fitting.

Connection to an existing sewer main shall be made with a saddle-wye fitting.

Connection shall be made to a structurally sound pipe. Connection to the existing sewer service shall not be made until the District Inspector has verified the structural condition.

RRWRD Connection permits for existing sewer service reconnections will not be required.

The locations of existing sewer service wyes are based upon TV logs and record information, and the proposed service connection at the Right-of-Way or easement line is based upon that location. Should the service alignment, diameter or point of connection vary from that shown in the plans, no claims for additional compensation will be entertained.

10.2 Submittals

1. Pipe, fitting, and repair coupling material specifications.

10.3 Payment

Payment for reconnection of sewer services shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

11 PCC Curb and Gutter Removal / Replacement

11.1 General

This work shall conform to Section 606 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction* and I.D.O.T. Standard 606001. One-inch (1") Ceramar expansion joint materials with caulking shall be installed at 100' intervals. The Contractor shall remove and replace the entire length of curb and gutter as required or shown on the project location maps; tunneling under the existing curb and gutter will not be permitted. Curb and gutter replacement shall match existing type, line and grade. All curb and gutter replacement shall be inspected and approved by the

applicable roadway authority. Connection to the existing curb and gutter shall be made by drilling and epoxy grouting two (2) one-inch (1") diameter smooth dowels 18" long into the existing curb and gutter at mid-depth. This shall be similar to Detail A of I.D.O.T. Standard 606001. Curb and gutter shall be saw-cut at the tie-in points.

11.2 Submittals

1. Approved concrete mix design as required by roadway authority.
2. Approved curb and gutter detail drawing as required by roadway authority.

11.3 Payment

Payment for curb and gutter replacement shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

12 Sidewalk Removal / Replacement

12.1 General

This work shall consist of removing and replacing existing PCC sidewalk as required to construct this project. This work shall conform to Sections 424 and 440 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction*, Current Edition.

Sidewalk replacement shall match existing width, thickness, line and grade. Sidewalk shall be removed in full panels, tunneling under existing sidewalks will not be permitted. Sub-grade preparation shall be included in the bid price. Sidewalk replacement width shall match existing sidewalk.

12.2 Submittals

1. Approved concrete mix design as required by roadway authority.

12.3 Payment

Payment for removal and replacement of PCC sidewalk shall be included in the Contract lump sum price (LS) for each applicable Collection System Repair.

13 Pavement Removal

13.1 General

This work shall consist of removing existing bituminous and/or PCC roadway pavement and/or driveway pavement as required to construct this project. This work shall conform to Section 440 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction* (Current Edition). Pavement shall be saw-cut full depth prior to removal. Areas of removed pavement shall be rectangular in shape.

13.2 Submittals – Not used.

13.3 Payment

Payment for pavement removal shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

14 Dewatering

14.1 General

Contractor shall use all means at his disposal to maintain a dry trench to the satisfaction of the District.

Groundwater will not be allowed to be pumped on existing ground surfaces or pavements where it may cause a traffic nuisance, or into existing sanitary sewers; it shall be discharged to a point acceptable to the District, with all erosion control requirements and specifications taken into account.

Dewatering well points shall require permits issued by the Winnebago County Department of Public Health (Health Department). The installation, operation and removal of well points shall conform to the Health Department requirements. The Health Department shall be notified prior to installing dewatering wells and prior to abandonment of well points so that they may be present if they desire.

Any permits required to perform dewatering work on this project shall be secured by the Contractor; it shall be his responsibility to provide any bonds, insurance's, guarantees, etc. as required by said permit. Abandonment of dewatering facilities shall be performed in accordance with pertinent State and County requirements.

If generators are required to run on a twenty-four (24) hour basis, equipment supplied shall be equipped to minimize noise to a level of ninety decibels (90 dB) or less.

14.2 Submittals

1. Copy of permits, as applicable.

14.3 Payment

Payment for dewatering shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

15 Erosion Control

15.1 Erosion Control

The total disturbed area for this project is estimated to be less than 1.0 acre. A Notice of Intent (NOI) and a Storm Water Pollution Prevention Plan (SWPPP) will not be submitted to the IEPA.

The Contractor shall comply with all the requirements of the IEPA Illinois Urban Manual, Current Edition and standard specifications for soil erosion and sediment control contained within. All disturbed areas shall be restored to near original contours and seeded in accordance with District requirements.

The Contractor shall take whatever measures the District deems necessary to eliminate excessive erosion or siltation. This includes but is not limited to: stabilizing slopes with fabric and/or mulch, seeding, sodding, erosion control mat, silt fence installation, inlet protection, rip-rap, etc. Sediment control shall be provided around the perimeter of all stockpile areas.

The Contractor shall keep the road rights-of-way free from all dirt and construction debris at all times during construction. Mud and debris shall be removed daily from roadway surfaces at the end of each workday or as necessary.

The Contractor shall remove and dispose of all temporary erosion control devices within 30 days of final site stabilization and approval by the District.

Erosion control includes all labor, equipment, materials, maintenance and supervision required to provide erosion control as required by the City of Rockford, Rockford Township, City of Loves Park or District.

Silt fence shall be Amoco 2127 or District-approved material. Silt fencing shall be installed prior to excavation or stockpiling of materials.

Inlet Protection shall be installed in conformance with I.D.O.T. Highway Manual standard 28001-02 for temporary erosion control systems.

15.2 Submittals

1. Material specifications for erosion control products, as applicable.

15.3 Payment

Payment for installed erosion control measures shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

16 Tree Removal and Trimming

16.1 General

The Contractor shall trim and remove only those trees required to complete Collection System Repairs. Tree trimming and removal shall be kept to a minimum. All trees designated by the District to be saved, shall be saved and protected by all means necessary and guaranteed for a period of one (1) year from final acceptance of the project.

Tree removal shall consist of cutting, grubbing, removing and disposing of any trees, stumps and brush, as needed, to properly facilitate construction. Only trees approved by the District for removal shall be removed. This work shall conform to Section 201 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction*, Current Edition.

All tree trimming shall be done with a chain-saw or loppers. The District Inspector shall approve all tree removal and trimming.

For tree removal and trimming within the City of Rockford, the Contractor must obtain a Maintenance Permit from the Forestry Department. Contact Taylor Hennelly, taylor.hennelly@rockfordil.gov.

16.2 Submittals

1. Tree Maintenance Permits as applicable.

16.3 Payment

Payment for tree trimming and removal shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

17 Restoration and Seeding

17.1 General

All restoration of public or private property including, but not limited to, fences, sidewalks, driveways, all other slab work, (concrete and asphalt), drainage channels, riprap, fences, turf areas, dry wells, etc. disturbed or damaged as a result of this construction project shall be promptly completed in accordance with public agency requirements or equal or better than the pre-construction conditions, as directed by the District, and guaranteed by the Contractor for a period of one (1) year following satisfactory completion and final acceptance of the work. Topsoil shall be as specified in T.S. 4:2c (6" minimum thickness).

All drainage devices shall be cleaned of debris and replaced at original elevations. Pipes, which have been, in the estimation of the District, significantly damaged by the Contractor, shall be replaced with new pipe or structures of the same diameter, length and/or type at no added expense to the District. All work shall be to the satisfaction of the District. When necessary, temporary restoration of roads, drives, fences, etc. will be required, all costs incidental.

Suppliers shall be prepared to certify that laboratory and field testing of their product has been accomplished, and that it meets all of the foregoing requirements based upon such testing.

Guarantee: All seeded areas shall be maintained for at least thirty (30) days after application. Scattered bare spots no larger than two square feet will be allowed up to a maximum of five percent (5%) of any seeded area.

Seeding and Fertilizing

Ground surfaces including rights-of-way and easements that were covered with grass previous to construction shall be seeded according to all applicable specifications and as directed by the District. The Contractor shall make certain that all disturbed areas have the same depth (6" minimum) and quality of approved topsoil at the surface as existed prior to construction.

The seeding mixture used shall be compatible with the existing ground cover or as indicated under easement requirements and shall be acceptable to the District. Maintainable lawn areas shall be seeded with I.D.O.T. Class I seeding mixture. Existing non-maintained turf areas shall be seeded with I.D.O.T. Class 3-slope mixture or as indicated under specific easement requirements.

Reference is made to the *General Provisions and Technical Specifications for Sanitary Sewer Construction*, T.S. 4:2, for specifications on seeding and sodding and fertilizer, and to Sections 250 and 251 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction* (Current Edition).

Seeding shall be placed on six-inch (6") (minimum) topsoil bed. The District shall approve the locations from which the topsoil is to be obtained. When requested by the District, a sample of the proposed topsoil shall be submitted to the District in a one-quart glass container, completely filled, with a chemical and mechanical analysis of the topsoil by an approved testing laboratory.

Seeding Specification

Seedbed preparation shall be done according to Article 250.05 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction*, current edition.

Seeding methods shall follow those mentioned in Article 250.06. Mowing to discourage weed growth will be completed by the Contractor until the project is accepted by the District.

Fertilizer work shall be done in accordance with Article 250.04. Fertilizer shall have an analysis of 10-10-10 and be applied at the rate of 400 lbs./acre. No additional compensation will be allowed.

Straw mulch shall be per Method 2 and done in accordance with the applicable portions of Section 251 of the *Standard Specifications* with the following exceptions:

The rate of application for mulch will be 4,000 lbs./acre using Hydro Tack at a rate of 400 lbs./acre for stabilization. This specification describes a mulch for use with the hydraulic application of grass seed which shall consist of specially prepared wood cellulose fiber. It shall be processed in such a manner that it will not contain any growth or germination-inhibiting factors, and shall be dyed in an appropriate color to facilitate metering of the material. It shall be manufactured in such a manner that after additions and agitations in slurry tanks with fertilizers, grass seeds, water and any other approved additives, the fibers in the material will be come uniformly suspended to form a homogenous slurry, and that when hydraulically sprayed on the ground, the material will form a blotter-like cover impregnated uniformly with grass seed, and which after application will allow the absorption of moisture and percolation of rainfall or mechanical watering of the underlying soil.

The mulch material described above shall be supplied in packages having a gross weight not in excess of 55 pounds. The packages shall be adequately wrapped in paper, polyethylene or other suitable material to prevent loss or spillage during handling. Weight specifications of this material from suppliers, and for all applications, shall refer only to air dry weight of the fiber material. Absolute air dry weight is based on the normal weight standard of the Institute of the Pulp and Paper Industry for wood cellulose and is considered equivalent to ten percent (10%) moisture. Each package of the cellulose fiber shall be marked by the manufacturer to show the air-dry weight content.

At the direction of the District or other governing agency, the Contractor shall provide steep slope protection over turf areas disturbed by construction in accordance with Sections 251.03 and 251.04 of the *Standard Specifications*.

17.2 Submittals

1. Seed mixtures and fertilizer specifications.

17.3 Payment

Payment for restoration and seeding shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

18 Pavement Restoration

18.1 General

This work shall be in accordance with T.S. 4:3/Pavement Restoration of the *General Provisions and Technical Specifications for Sanitary Sewer Construction in the Sanitary District of Rockford*, and with the I.D.O.T. *Standard Specifications for Road and Bridge Construction* (including Sections 301, 406, and 420) as appropriate to provide new pavement as indicated for each individual repair.

The work shall be performed to the satisfaction of the District and applicable roadway authority. All roadway authorities shall be notified a minimum of forty-eight (48) hours prior to pavement replacement. At the discretion of the District, maintenance and temporary restoration of roads, drives, fences, etc., will be required; this work shall be done by the Contractor without delay.

If 80% or more of the pavement lane width is damaged, the Contractor shall replace the entire lane width.

All pavement edges shall be saw cut full depth. All pavement patches shall be square or rectangular in shape. Contractor shall provide all materials, labor and equipment required to remove and dispose of the existing pavement.

Pavement restoration shall be completed on each Collection System Repair within fourteen (14) days of completion of the repair.

All pavement restoration shall match existing conditions. The Contractor shall be responsible for performing all surveying work necessary to reconstruct the roadway and base course to the lines and grades that existed prior to the project, or as specified herein.

HMA Roadway restoration shall match existing thickness or at a minimum consist of 1.5" of HMA surface course, 2.5" HMA binder course, and 12" of Aggregate Base Course Type B or as required by the roadway authority. Minimum pavement cross sections are indicated on the location maps provided in *Section III*.

PCC Roadway restoration shall 12" minimum or match existing thickness and requirements of the applicable roadway authority. All joints shall include dowels or reinforcement as indicated on the detail provided in *Section V*.

HMA Drives or Private Roadways shall match existing thickness or at a minimum consist of 2" of HMA surface course and 10" of Aggregate Base Course Type B.

PCC Driveways damaged as a result of construction shall be removed and replaced to match existing thickness or at a minimum consist of 6" of PCC pavement.

HMA Pedestrian/Bike Paths shall match existing thickness or at a minimum consist of 2" of HMA surface course and 10" of Aggregate Base Course, Type B. Full width replacement of damaged bike/walking paths is required.

Vibrating rollers will not be allowed on residential streets. Densities for HMA materials shall be 93% minimum unless otherwise specified by roadway authority or the District.

HMA Materials

All Bituminous pavement replacement shall be constructed in accordance with Section 406 of the I.D.O.T. *Standard Specifications for Road and Bridge Construction* (Current Edition).

Section 406.16 of the I.D.O.T. *Standard Specifications* shall be modified to read:

Joints between old and new pavements or between successive day's work or when the temperatures of the previously laid materials drops below 150°, to ensure thorough and continuous bond, the contact surface shall be sprayed or painted with a thin, uniform coating of asphalt: SS1.

Mix designs and materials inspection reports must be submitted and approved by the applicable roadway authority prior to installation.

HMA surface course shall be mixture composition IL 9.5 or IL 12.5, Mix D, N50.

HMA binder course shall be mixture composition IL 19.0, N70.

PCC Roadway Restoration

The Contractor shall replace existing PCC roadway surface including medians as required matching existing Portland Cement Concrete Pavement thickness in accordance with Section 420 of the I.D.O.T. *Standard Specifications*. The Contractor shall replace the paved surface as necessary, or as otherwise directed by the District or Roadway Authority. PCC Pavement patching shall be either Class B or Class C Patch per Section 442 of the I.D.O.T. *Standard Specifications*. Reference Standard 442101-07 for Class B patches and Standard 442201-03 for Class C patches. Mixture PP-4 or PP-5 as per Article 1020.04 shall be used.

Aggregate Base Course, Type B

Aggregate Base course replacement shall consist of matching existing thickness or placing 12 inches (12") minimum thickness, whichever is greater, compacted Aggregate Base Course, Type B, beneath pavement surfaces to be replaced throughout the project area. This item shall include all sub-grade preparation throughout the project, as well as the removal and disposal of all excess material.

Contractor shall compact the base course and pay for a sufficient number of compaction tests as determined by the District and Roadway Authority. Compaction tests must be performed as work progresses. All compaction tests must meet 100% of Standard Proctor density, and be performed by an approved independent geotechnical company.

Contractor shall remove and dispose of all excess materials to a location acceptable to the District.

18.2 Submittals

1. HMA and PCC pavement mix designs, as approved by the applicable roadway authority.

18.3 Payment

Payment for pavement restoration shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

19 Utility Relocation

19.1 General

The Contractor shall be responsible for relocation and reconstruction of all utilities, storm sewers, power poles, signs, lights, signals, underground utilities, etc., conflicting with the proposed construction whether temporary or permanent in accordance with *General Provisions and Technical Specifications*, G.R. 9.1. The Contractor shall be responsible for support and protection of any utilities in the construction area. All storm sewer removal and replacement shall be approved by the appropriate local authority.

Throughout the course of this project the Contractor shall be responsible for maintaining the current level of service provided by the respective utilities to all properties affected by construction.

Water Main Removal / Replacement and Line Stops

When proposed work requires the removal and replacement of the existing water main, including the installation of line stops, the Contractor shall obtain the permission of the applicable water department, prior to any water main shut off. The Contractor shall notify all water customers affected by a water main shut off at least twenty-four (24) hours in advance, using forms supplied by the water utility.

The Contractor shall meet with water utility personnel at least two (2) days prior to the start of construction to coordinate potential valve shut off patterns and exercise valves or determine that line stops are required to isolate and minimize the water main shut off requirements. Line stops, if required, shall be furnished and installed in accordance with the Water Department requirements and specifications as applicable, including select trench backfill and pavement restoration as required.

If the water main is removed and replaced it shall be replaced with the same size pipe. The replacement pipe shall be ductile iron manufactured in accordance AWWA C151/A21.51 meeting the wall thickness requirements of AWWA C151/A21.50. The pipe shall be centrifugally cast in metal molds and lined in accordance with AWWA C104/A21.4. The replacement water main shall be installed to the same line and grade as the existing water main. The Contractor shall notify the applicable water utility once water service has been restored. Bacteriological sampling shall be done in accordance with the AWWA C651-99 regulations and I.E.P.A. regulation Section 652.203. The appropriate Water Department shall receive a copy of all bacteriological laboratory reports as applicable.

Polyethylene encasement (poly-wrap) shall be furnished and installed on all ductile iron water main, valves, fittings and appurtenances. The work shall be done according to the requirements of AWWA C105 and the requirements of the City of Rockford Water Division or Love Park Water Department. Tube form poly-wrap is required having 8 mil thickness. Where poly-wrapped water mains join existing unwrapped main the poly-wrap shall be extended at least three (3') feet onto the unwrapped pipe with the ends sealed with adhesive tape. All cuts, tears and damage to the poly-wrap shall be repaired with adhesive tape or with a short section of additional poly-wrap over the damaged area and secured in place.

19.2 Submittals

1. Copies of approved material submittals as required by the applicable utility.

19.3 Payment

Payment for utility relocation shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

20 Safety and Traffic Control

20.1 General

The Contractor shall be solely responsible for the safety of the operations, and shall comply with all state, local and OSHA regulations. The Contractor shall obtain all permits required by the governing roadway agencies and shall provide detailed traffic control plans as required and implement and maintain approved traffic control measures, including detour routes, as required. Traffic control and protection shall be in accordance with the current I.D.O.T. *Standard Specifications*.

Traffic control plans as required by the applicable local authority shall be submitted prior to the start of construction.

Five-day advance notice of pending roadway closures shall be posted at the job site on signs approved by the Roadway Authority. Detour routes may not utilize local residential streets. The

local roadway authority shall approve traffic control plans any and all detours/road closures prior to the start of construction.

20.2 Submittals

1. Copies of approved traffic control plans as required by the appropriate roadway authority.

20.3 Payment

Payment for traffic control and safety measures shall be included in the Contract lump sum (LS) price for each applicable Collection System Repair.

21 Quality Control, Tests and Certification

21.1 General

Low pressure air testing of sanitary sewer will not be required on this project.

All Sanitary Sewer Main Line Repairs on this project shall be inspected by the Rock River Water Reclamation District via internal television inspection for final acceptance. Contractor shall coordinate televising with the District's Inspector.

Televising shall be completed prior removal of bypass pumping and installation of new pavement, but after final installation, backfilling and compaction have been completed.

Any defects identified by the District which may affect the maintenance, integrity or strength of the pipe, including offsets at the pipe transition or sags in the pipe, in the opinion of the District, shall be repaired or replaced by the Contractor at the Contractor's sole expense.

The Contractor shall provide the District a minimum of forty-eight (48) hours advance notice when requesting that a sewer segment be televised.

All new sanitary manholes, except for new doghouse manholes, shall be vacuum tested per ASTM C124493 *Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test* prior to placing into service.

21.2 Submittals – Not used.

21.3 Payment

Payment for quality control, tests and certifications shall be included in the Contract lump sum (LS) price for each Collection System Repair.

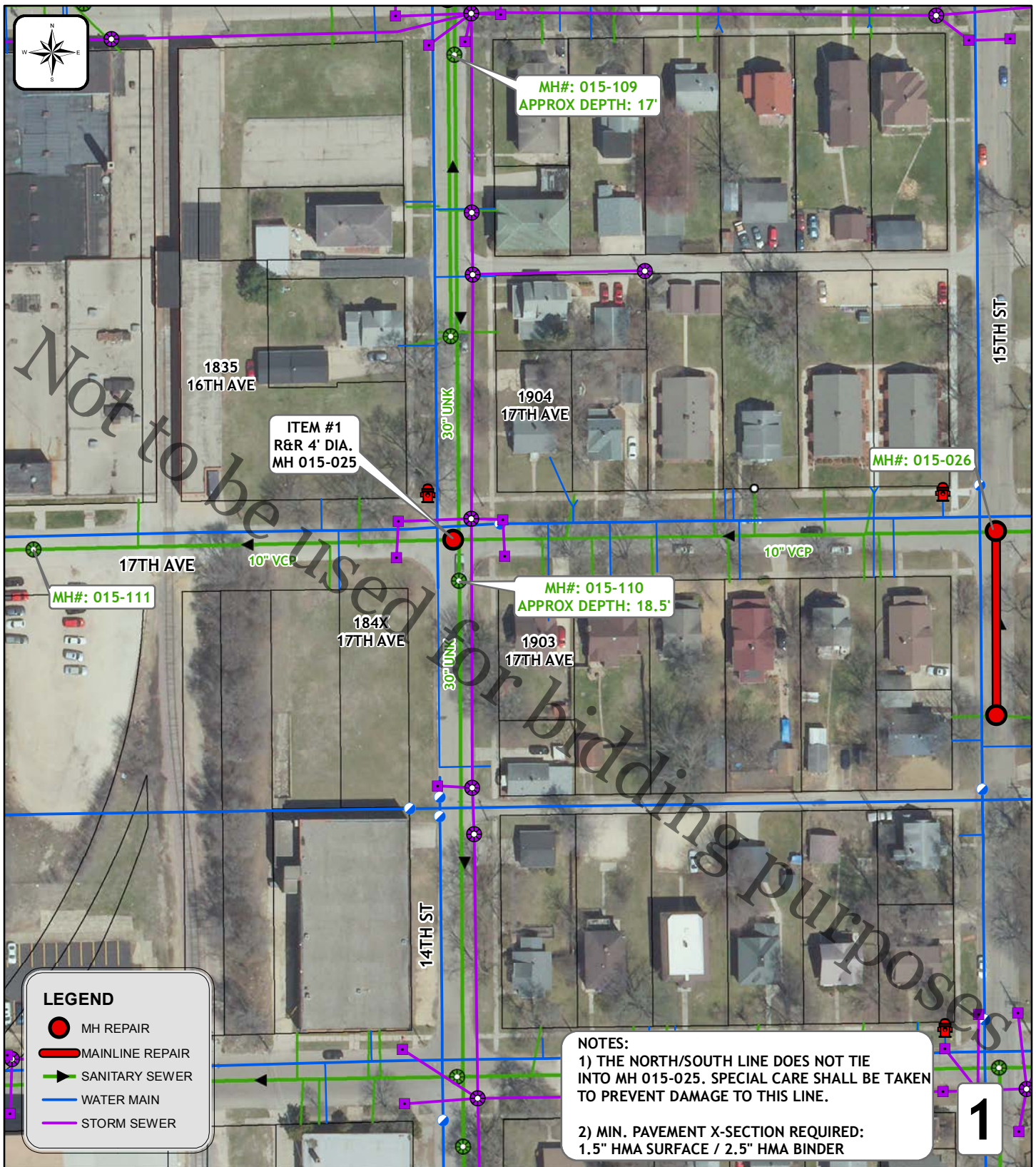
Section III
Repairs List

Item #	Map #	Location	MH# / Main Segment	Work Type & Dist. (All measurements given from upstream MH)	Approx .Depth	Approx. Repair Length	Existing Pipe Material	Existing Pipe Diameter(s)	Service Replacement	Service Reconnection	Pavement	Comments
1	1	14th St & 17th Ave	015-025	R&R MH	8.8'	-	VCP	10	N	N	HMA	4' dia. MH.
2	2	15th St & 17th Ave	015-026	R&R MH	10'	-	VCP	6, 9, 10	N	N	HMA	4' dia. MH.
	2	1811 15th St	015-027	R&R MH	6.4'	-	VCP	6	N	N	HMA	4' dia. MH. Conc. steps, landscape blocks in terrace.
	2	15th St & 17th Ave	015-027 - 015-026	R&R MH to MH	6.4-10'	139'	VCP	6	2	2	HMA	
3	3	14th st & 16th Ave	015-038	R&R MH	7.4'	-	VCP	8, 12, 15	N	N	HMA	4' dia. MH.
4	4	15th St & 16th Ave	015-040	R&R MH	7.9'	-	VCP	9,12	N	N	HMA	4' dia. MH.
	4	15th St & 16th Ave	015-134 - 015-040	R&R 358' to MH	7.9'	20'	VCP	12	N	N	HMA	
5	5	1307 15th Ave	015-098	R&R MH	8.8'	10'	VCP	9	1	1	HMA	4' dia. MH.
6	6	Rose Ave & Hopkins Ct	021-056	R&R MH	9.2'	-	VCP, DI	8	N	1 (8" @ MH)	HMA	5' dia. MH.Coordinate work with School District.
7	7	13th St & 12th Ave	026-012	R&R MH	10.2'	-	VCP	8	N	N	HMA	4' dia. MH.
8	8	13th St & 9th Ave	026-023	R&R MH	4.5'	-	VCP	9, 12, 15	N	N	HMA	4' dia. MH. Protect new pavement west of MH.
9	9	1106 15th St	027-011 - 027-010	R&R 357' to 363'	----	6'	VCP	8	1	1	PCC	
10	9	1102 15th St	027-011 - 027-010	R&R 421' to 451'	----	30'	VCP	8	N	N	PCC	
11	10	Corbin St & Montague St	030-029	R&R MH	11.4'	-	VCP	8, 9, 10	N	N	HMA	6' dia. MH.
12	10	846 Montague St	030-029A	R&R MH	13'	-	VCP	10,8	N	N	HMA	5' dia. MH.
13	11	1519 Montague St	030-052	R&R MH	7.3'	12'	VCP	8	1	1	HMA	
14	11	1605 Montague St	030-052 - 030-051	R&R 37' TO 47'	8'	10'	VCP	8	1	1	HMA	
15	12	400 Block Regan St	038-012 - 038-011	R&R 59' to 72'	8.9'	13'	VCP	12	N	N	HMA	
16	13	S Rockford Ave & Louisa St	039-096	R&R MH	6'	-	VCP	8	N	N	PCC	4' dia. MH. Plug & abandon existing service in place.
17	14	703 Winthrop Ln	051-008	R&R MH	15.4'	-	VCP	8	N	N	HMA	5' dia. inside drop MH.
18	15	N Independence Ave & Andrews St	054-044	R&R MH	8.5'	-	VCP	9	N	N	HMA	4' dia. MH. Protect new pavement north & south of MH.
19	16	Miriam Ave & School St	054-065	R&R MH	5.5'	-	VCP	9	N	N	HMA	4' dia. MH.
	16	Miriam Ave & School St	054-065 - 054-064	R&R MH to 14'	----	14'	VCP	9	N	N	HMA	
20	17	N Court St & John St	061-026	R&R MH	9.8'	-	VCP	12, 15	N	N	HMA	5' Dia. MH. Protect new pavement to SE. Plug/abandon ex. services
21	18	924 S. 5th St.	023-029 - 023-027	R&R 36' to 81'	10'	45'	VCP	9	2	2	HMA	Push 4" PVC through ex. 6" VCP service pipe; install CO at property
22	18	906 S. 5th St	023-029 - 023-027	R&R 275' to 286'	10'	11'	VCP	9	N	1	HMA	

All repairs located in City of Rockford Right of Way.

Section IV

**Location Maps &
Supporting Information**



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ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-025 Inspector: W. STAHL Date: 01/09/2019

Address/Location: 14TH ST & 17TH AVE

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>			1st < 30" from Rim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>			Last < 24" from Bench	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 734.03 MH Diameter: 4' Surchage: Yes ☐ No ☒

In MH 1 (Upstrm) 015-026 Depth High: 8.75 Elev: 725.23 Depth Low: _____ Elev: _____
 In MH 2 (Upstrm) _____ Depth High: _____ Elev: _____ Depth Low: _____ Elev: _____
 In MH 3 (Upstrm) _____ Depth High: _____ Elev: _____ Depth Low: _____ Elev: _____

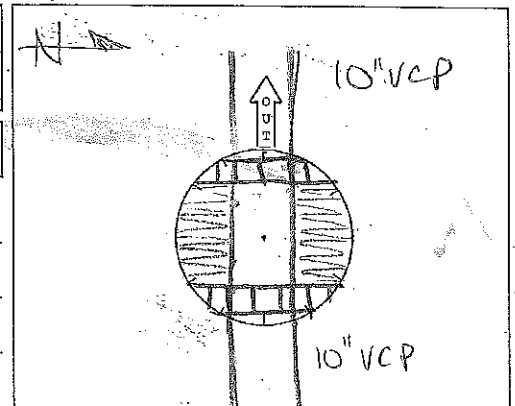
Serv 1 Clock Pos: _____ Address: _____
 Depth High: _____ Elev: _____ Depth Low: _____ Elev: _____
 Serv 2 Clock Pos: _____ Address: _____
 Depth High: _____ Elev: _____ Depth Low: _____ Elev: _____
 Serv 3 Clock Pos: _____ Address: _____
 Depth High: _____ Elev: _____ Depth Low: _____ Elev: _____

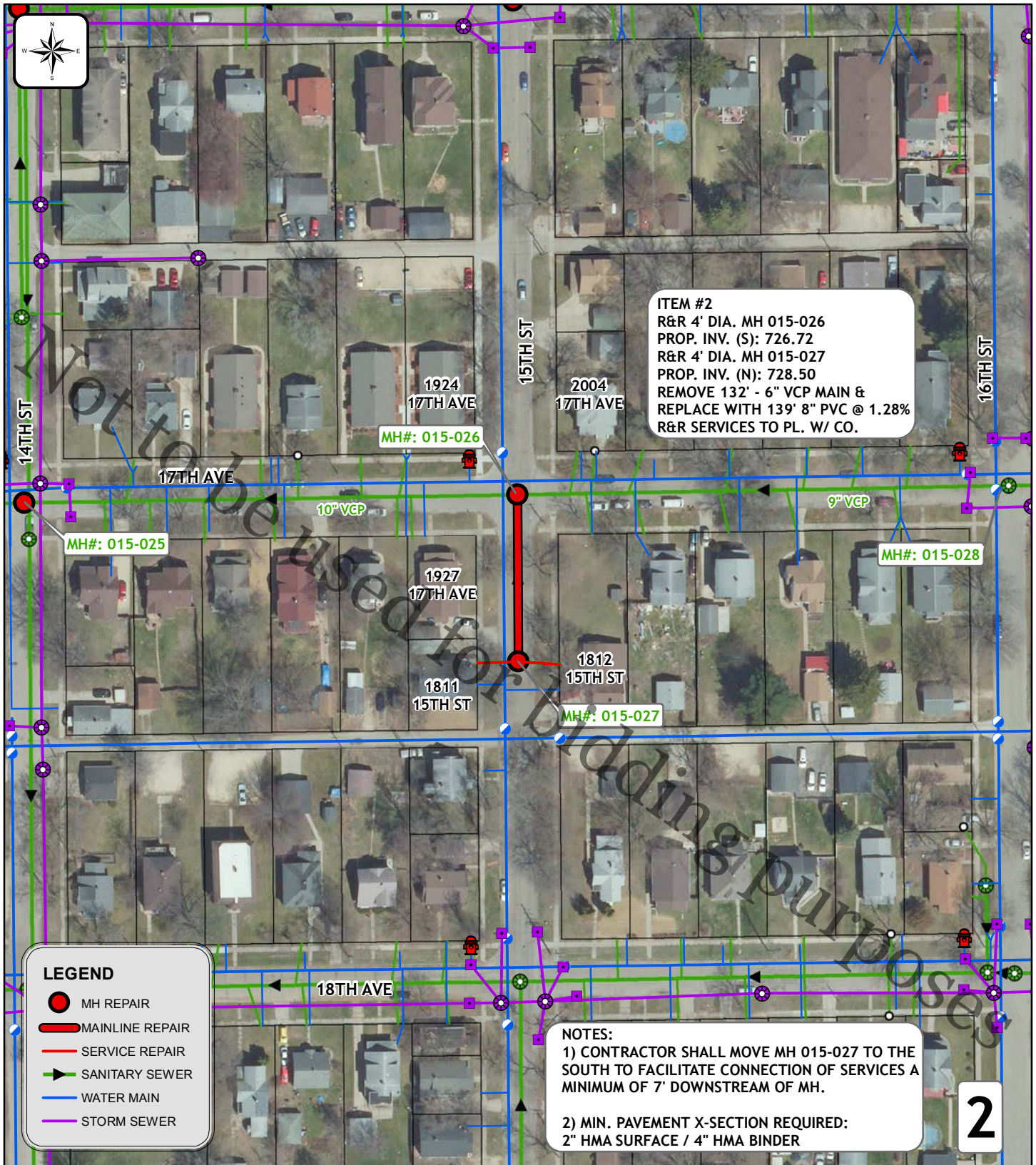
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 015-111 (W) Depth: 8.80 Elev: 725.23
 Out MH 2 (Dwnstrm) _____ Depth: _____ Elev: _____

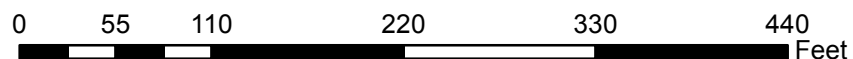
Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: MISSING GASKET





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1 inch = 110 feet

BY: WMS
 PRODUCED: 3/13/19
 RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-026 Inspector: W. STAHL Date: 01/09/2019

Address/Location: 17TH AVE & 15TH ST

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
Qty	Size							
3	2" 3"							

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>			1st < 30" from Rim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>			Last < 24" from Bench	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 736.17 MH Diameter: 4' Surcharge: Yes ☐ No ☒

In MH 1 (Upstrm) 015-028 (E) Depth High: 9.95 Elev: 726.22 Depth Low: — Elev: —
 In MH 2 (Upstrm) 015-027 (S) Depth High: 9.05 Elev: 727.12 Depth Low: — Elev: —
 In MH 3 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —

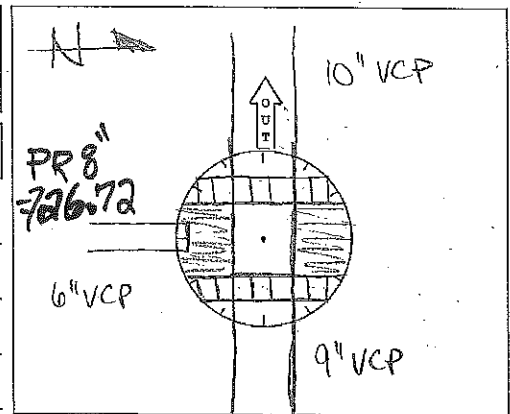
Serv 1 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 2 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 3 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —

Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 015-025 (W) Depth: 9.95 Elev: 726.22
 Out MH 2 (Dwnstrm) — Depth: — Elev: —

Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: GASKET MISSING



ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-027	Inspector: W. STAHL	Date: 01/09/2019
Address/Location: 1811 15 TH ST		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
Qty	Block <input type="checkbox"/>	Poor <input type="checkbox"/>	Cone:	Block <input type="checkbox"/>	Poor <input type="checkbox"/>	Wall / Base:	Block <input type="checkbox"/>	Poor <input type="checkbox"/>
Size	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
1	None <input checked="" type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input type="checkbox"/>	Poor <input type="checkbox"/>	Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>		1 st < 30" from Rim	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>		Last < 24" from Bench	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 735.15	MH Diameter: 4'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm)	N/A	Depth High:	Elev:	Depth Low:	Elev:
In MH 2 (Upstrm)		Depth High:	Elev:	Depth Low:	Elev:
In MH 3 (Upstrm)		Depth High:	Elev:	Depth Low:	Elev:

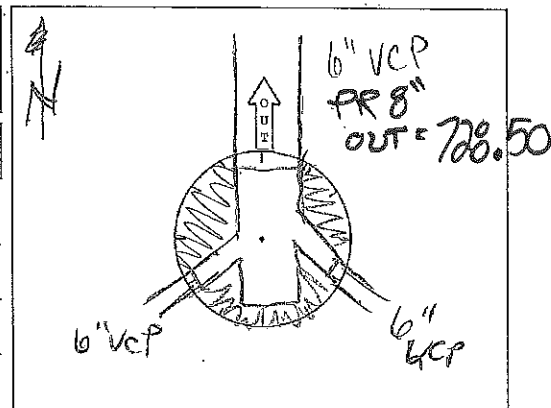
Serv 1 Clock Pos:	4:00	Address:	1812 15 TH ST
Depth High:	6.35	Elev:	728.80
Serv 2 Clock Pos:	8:00	Address:	1811 15 TH ST
Depth High:	6.35	Elev:	728.80
Serv 3 Clock Pos:		Address:	
Depth High:		Elev:	
Depth Low:		Elev:	

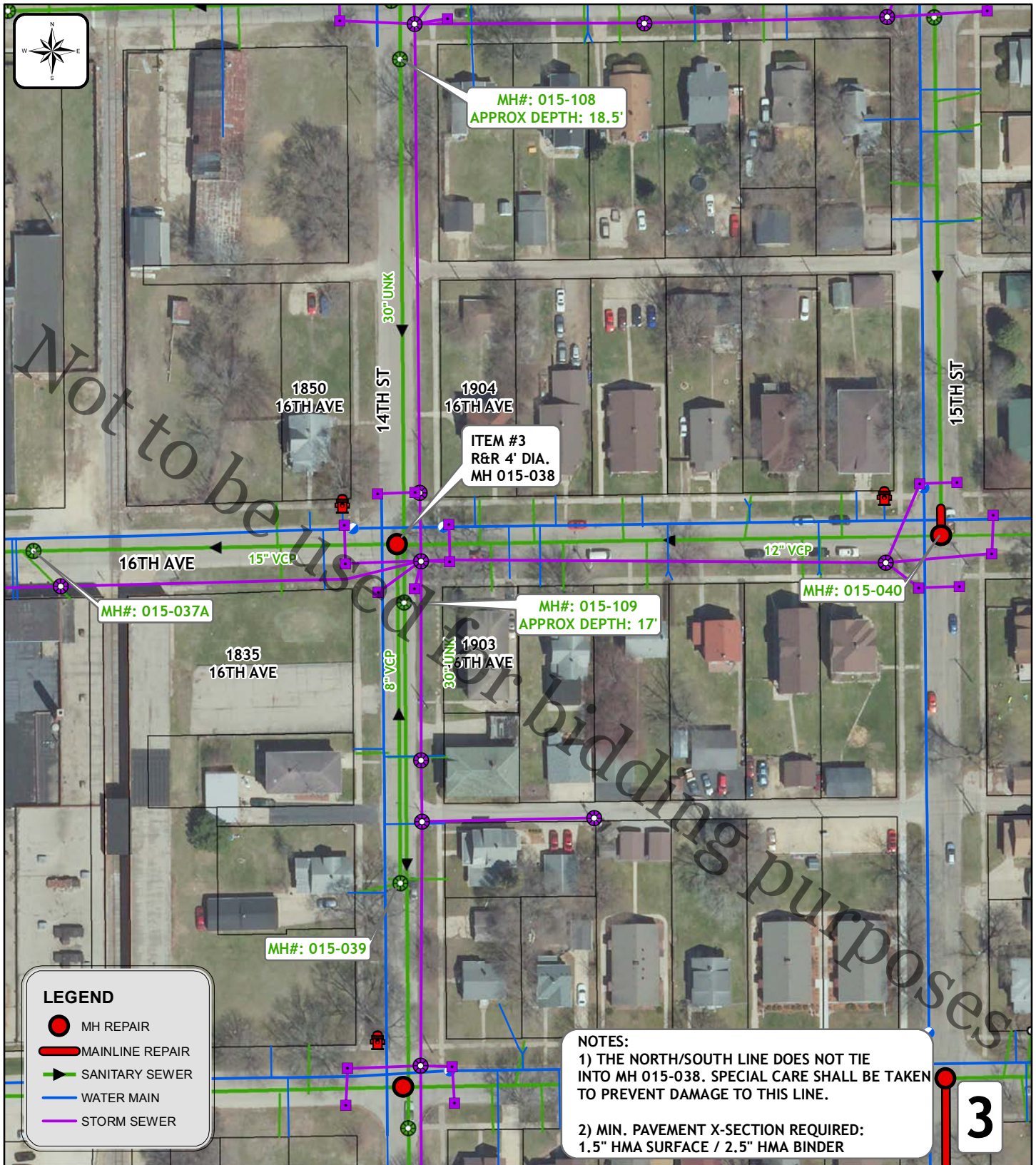
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	015-026	Depth:	6.40	Elev:	728.75
Out MH 2 (Dwnstrm)		Depth:		Elev:	

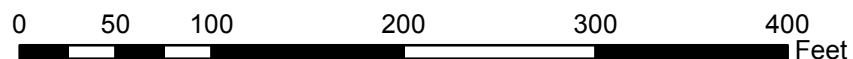
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
----------------------------------	---------------------------------------	--------------------------------------

Comments: MISSING PORTIONS OF GASKET.





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1 inch = 100 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-038 Inspector: W. STAHL Date: 01/09/2019

Address/Location: 16TH AVE & 14TH ST

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input type="checkbox"/>	No Stamp <input checked="" type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input checked="" type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>			1 st < 30" from Rim Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wall		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
	None <input type="checkbox"/>			Last < 24" from Bench Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Bench		<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

GPS Rim Elev: 733.65 MH Diameter: 4' Surcharge: Yes ☐ No ☒

In MH 1 (Upstrm) 015-040 (E) Depth High: 7.40 Elev: 726.25 Depth Low: — Elev: —
 In MH 2 (Upstrm) 015-039 (S) Depth High: 7.07 Elev: 726.58 Depth Low: — Elev: —
 In MH 3 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —

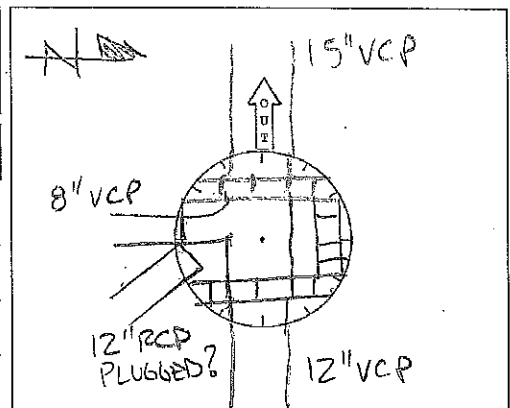
Serv 1 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 2 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 3 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —

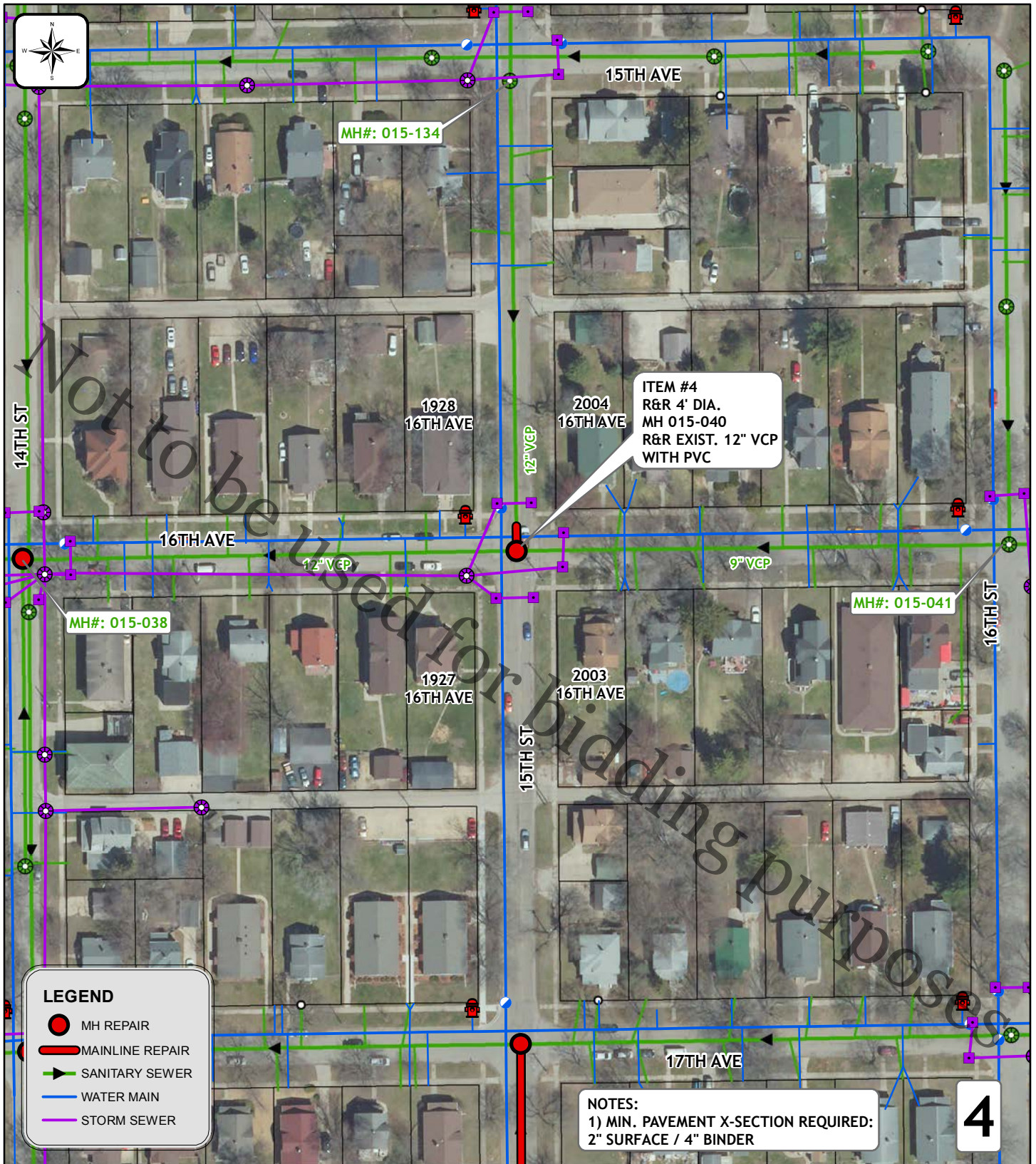
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 015-037A (W) Depth: 7.40 Elev: 726.25
 Out MH 2 (Dwnstrm) — Depth: — Elev: —

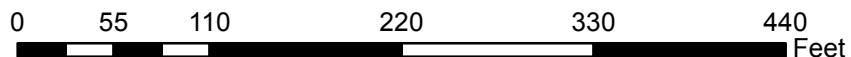
Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: NO GASKET





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1 inch = 110 feet

BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-040	Inspector: W. STAHL	Date: 01/09/2019
Address/Location: 15 TH ST & 16 TH AVE		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>		Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>		Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>			Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>			None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>							Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>							Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 735.01	MH Diameter: 4'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm) 015-134 (N)	Depth High: 7.75	Elev: 727.26	Depth Low: —	Elev: —
In MH 2 (Upstrm) 015-041 (E)	Depth High: 7.80	Elev: 727.21	Depth Low: —	Elev: —
In MH 3 (Upstrm)	Depth High: —	Elev: —	Depth Low: —	Elev: —

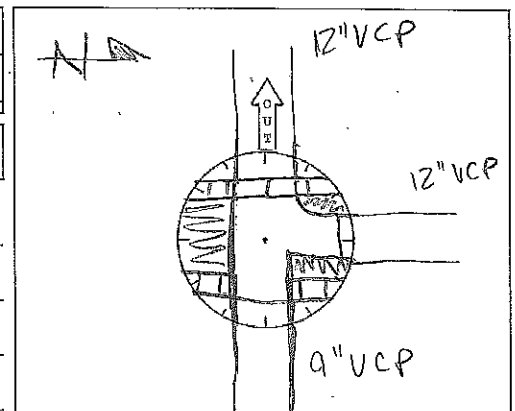
Serv 1 Clock Pos: —	Address: —	Depth High: —	Elev: —	Depth Low: —	Elev: —
Serv 2 Clock Pos: —	Address: —	Depth High: —	Elev: —	Depth Low: —	Elev: —
Serv 3 Clock Pos: —	Address: —	Depth High: —	Elev: —	Depth Low: —	Elev: —

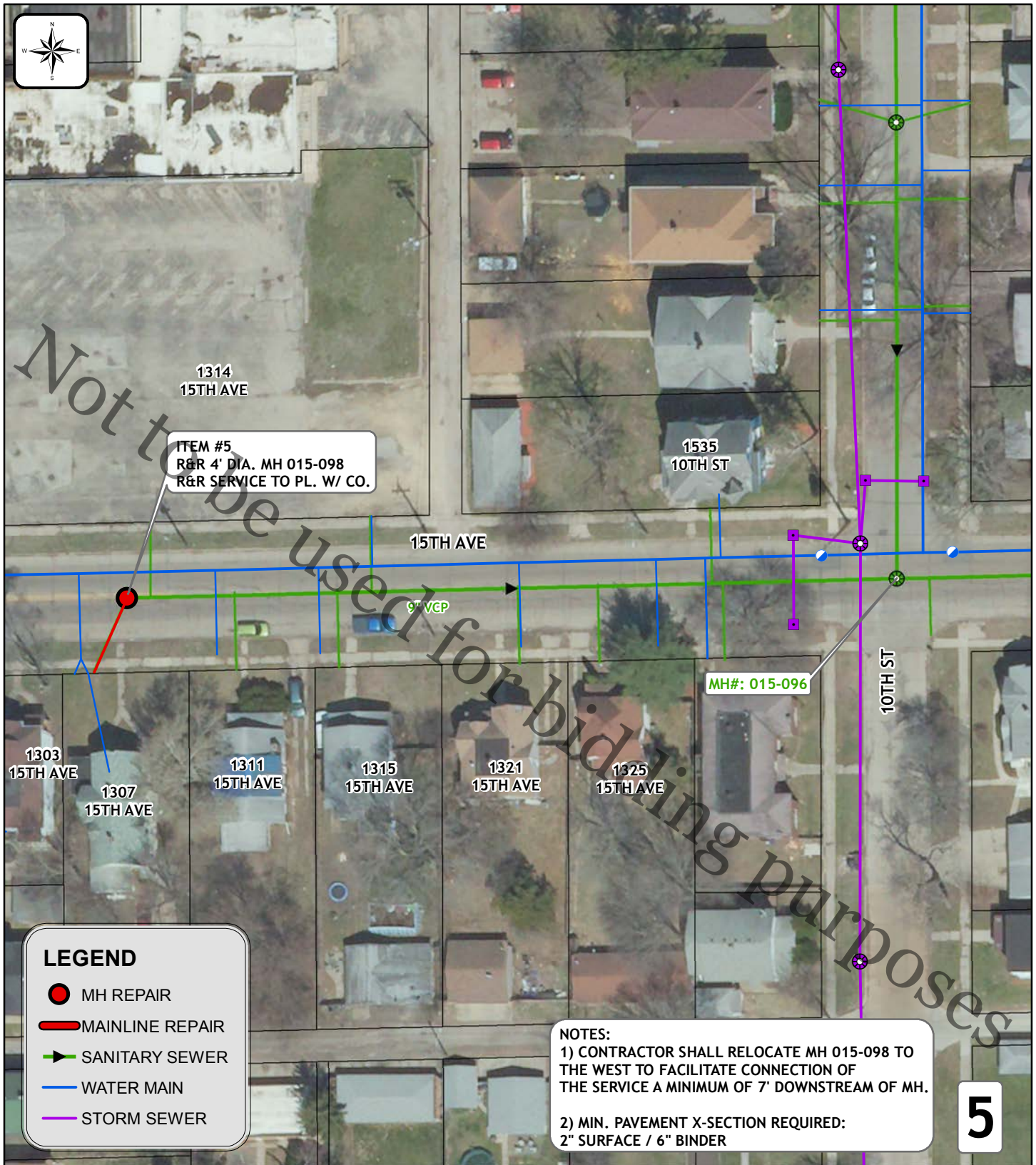
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 015-038 (W)	Depth: 7.85	Elev: 727.16
Out MH 2 (Dwnstrm)	Depth: —	Elev: —

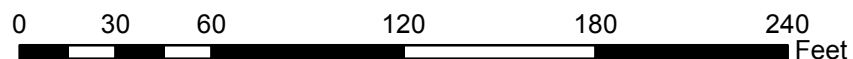
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments:





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1 inch = 60 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 015-098	Inspector: W. STAHL	Date: 01/08/2019
Address/Location: 1307 15 TH AVE		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>
Qty	Size			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
1	2'			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
1	6"							

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input type="checkbox"/>	Poor <input type="checkbox"/>	Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>					Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>					Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 734.84	MH Diameter: 4'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm)	N/A	Depth High:	—	Elev:	—	Depth Low:	—	Elev:	—
In MH 2 (Upstrm)	—	Depth High:	—	Elev:	—	Depth Low:	—	Elev:	—
In MH 3 (Upstrm)	—	Depth High:	—	Elev:	—	Depth Low:	—	Elev:	—

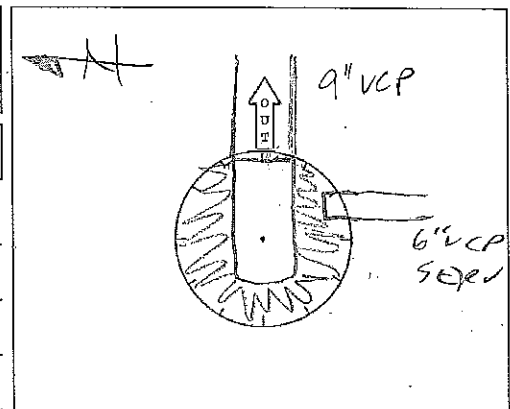
Serv 1 Clock Pos:	2:30	Address:	1307 15 TH AVE
Depth High:	7.90	Elev:	726.94
Serv 2 Clock Pos:	—	Address:	—
Depth High:	—	Elev:	—
Serv 3 Clock Pos:	—	Address:	—
Depth High:	—	Elev:	—

Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	015-096	Depth:	8.75	Elev:	726.09
Out MH 2 (Dwnstrm)	—	Depth:	—	Elev:	—

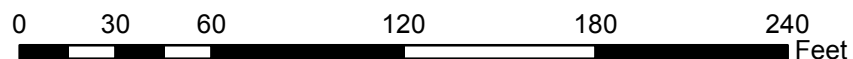
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments:





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1 inch = 60 feet



BY: WMS
 PRODUCED: 3/13/19
 RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: <u>021-056</u>	Inspector: <u>CB/PT</u>	Date: <u>FEBRUARY 20 2018</u>
Address/Location: <u>INT OF ROSE AVENUE AND HOPKINS ST</u>		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input type="checkbox"/>	No Stamp <input checked="" type="checkbox"/>	Gasket <input type="checkbox"/>		Other <input type="checkbox"/>	Fair <input type="checkbox"/>
	Open Pickhole <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input checked="" type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
Qty	Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Cone:	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
Size	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
<u>2</u>	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
<u>2"</u>								

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>	Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input checked="" type="checkbox"/>		None <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>		1st < 30" from Rim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>		Last < 24" from Bench	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: <u>769.66</u>	MH Diameter: <u>4'</u>	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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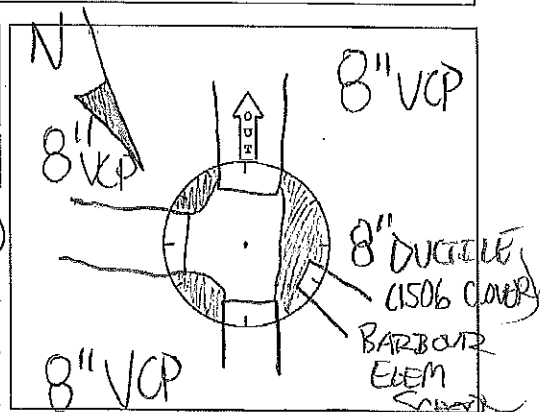
In MH 1 (Upstrm) <u>021-061</u>	Depth High: _____	Elev: _____	Depth Low: <u>9.18</u>	Elev: <u>760.48</u>
In MH 2 (Upstrm) <u>021-057</u>	Depth High: _____	Elev: _____	Depth Low: <u>9.23</u>	Elev: <u>760.43</u>
In MH 3 (Upstrm) _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____

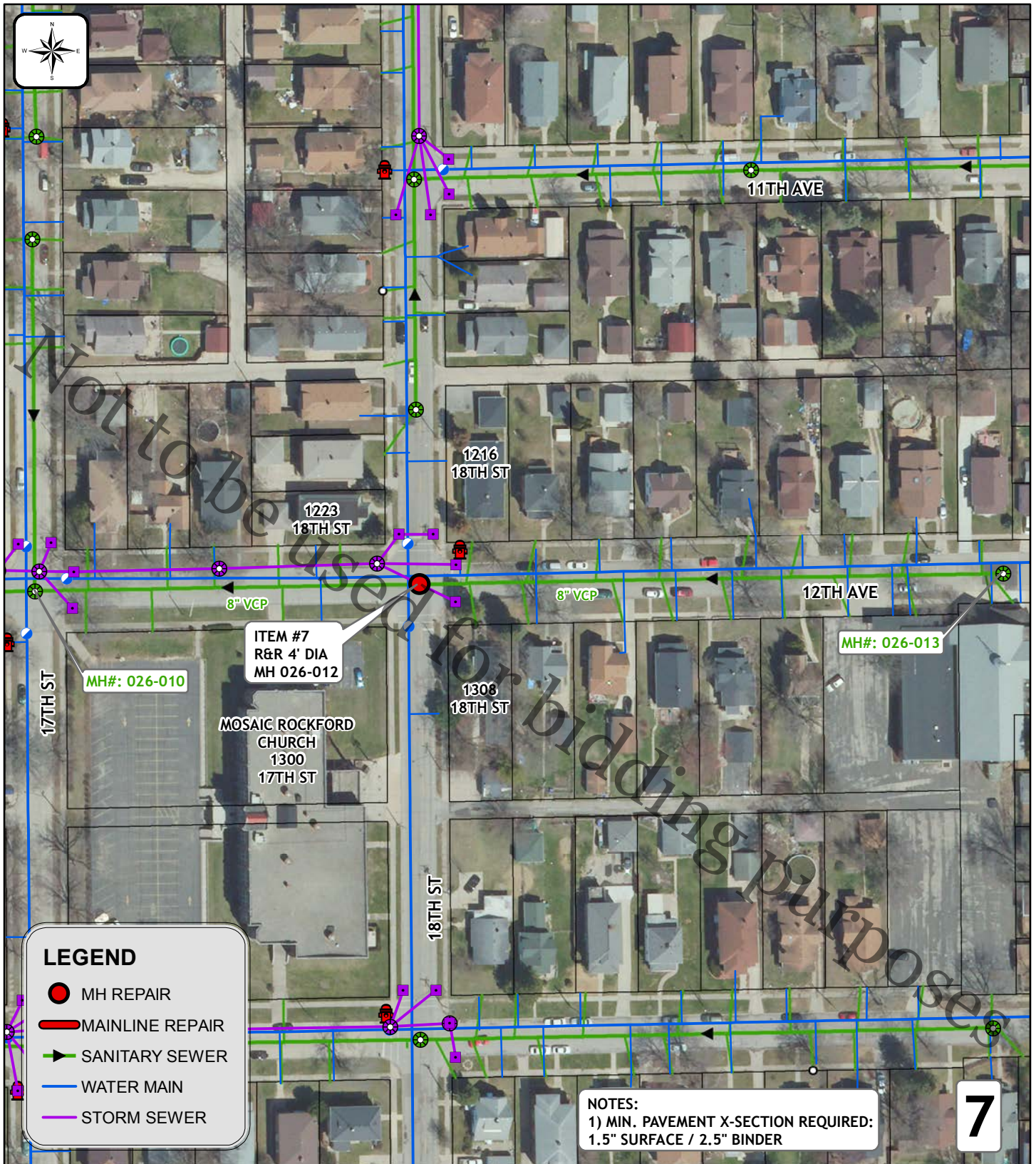
Serv 1 Clock Pos: <u>4</u>	Address: <u>1506 CLOVER AVE</u>
Depth High: _____	Elev: _____
Depth Low: <u>6.55</u>	Elev: <u>763.11</u>
Serv 2 Clock Pos: _____	Address: _____
Depth High: _____	Elev: _____
Depth Low: _____	Elev: _____
Serv 3 Clock Pos: _____	Address: _____
Depth High: _____	Elev: _____
Depth Low: _____	Elev: _____

Out is considered 12:00 and service clock position shall be given from 12:00.			
Out MH 1 (Dwnstrm) <u>021-055</u>	Depth: <u>9.20</u>	Elev: <u>760.46</u>	
Out MH 2 (Dwnstrm) _____	Depth: _____	Elev: _____	

Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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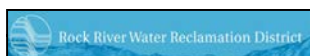
Comments: OPEN PICKHOLE UNSTAMPED LID INV. IN LEAST
HAS BACKFILL COMPARED TO OTHER PIPES. NO STEPS
2 CRACKED 2" RINGS





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0 55 110 220 330 440 Feet



1 inch = 110 feet

BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 026-012	Inspector: W. STAHL	Date: 02/26/2019
Address/Location: INT 18 TH ST & 12 TH AVE		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input checked="" type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
Qty	Size	Block <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
1	2"	Other <input type="checkbox"/>		Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
		None <input type="checkbox"/>		Other <input checked="" type="checkbox"/>	NONE		Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>	Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>	Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>		1 st < 30" from Rim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>		Last < 24" from Bench	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Bench	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: 777.64	MH Diameter: 3'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm)	026-013	Depth High:	10.10	Elev:	767.54	Depth Low:		Elev:	
In MH 2 (Upstrm)		Depth High:		Elev:		Depth Low:		Elev:	
In MH 3 (Upstrm)		Depth High:		Elev:		Depth Low:		Elev:	

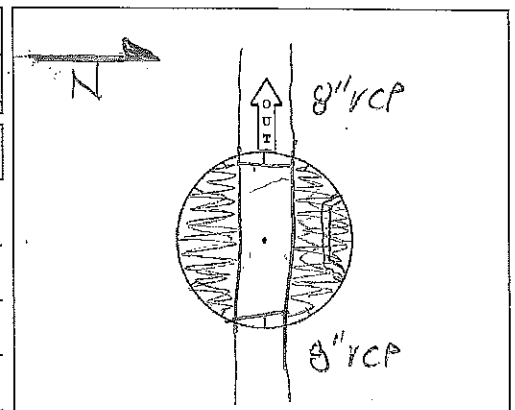
Serv 1 Clock Pos:	Address:	
Depth High:	Elev:	Depth Low: Elev:
Serv 2 Clock Pos:	Address:	
Depth High:	Elev:	Depth Low: Elev:
Serv 3 Clock Pos:	Address:	
Depth High:	Elev:	Depth Low: Elev:

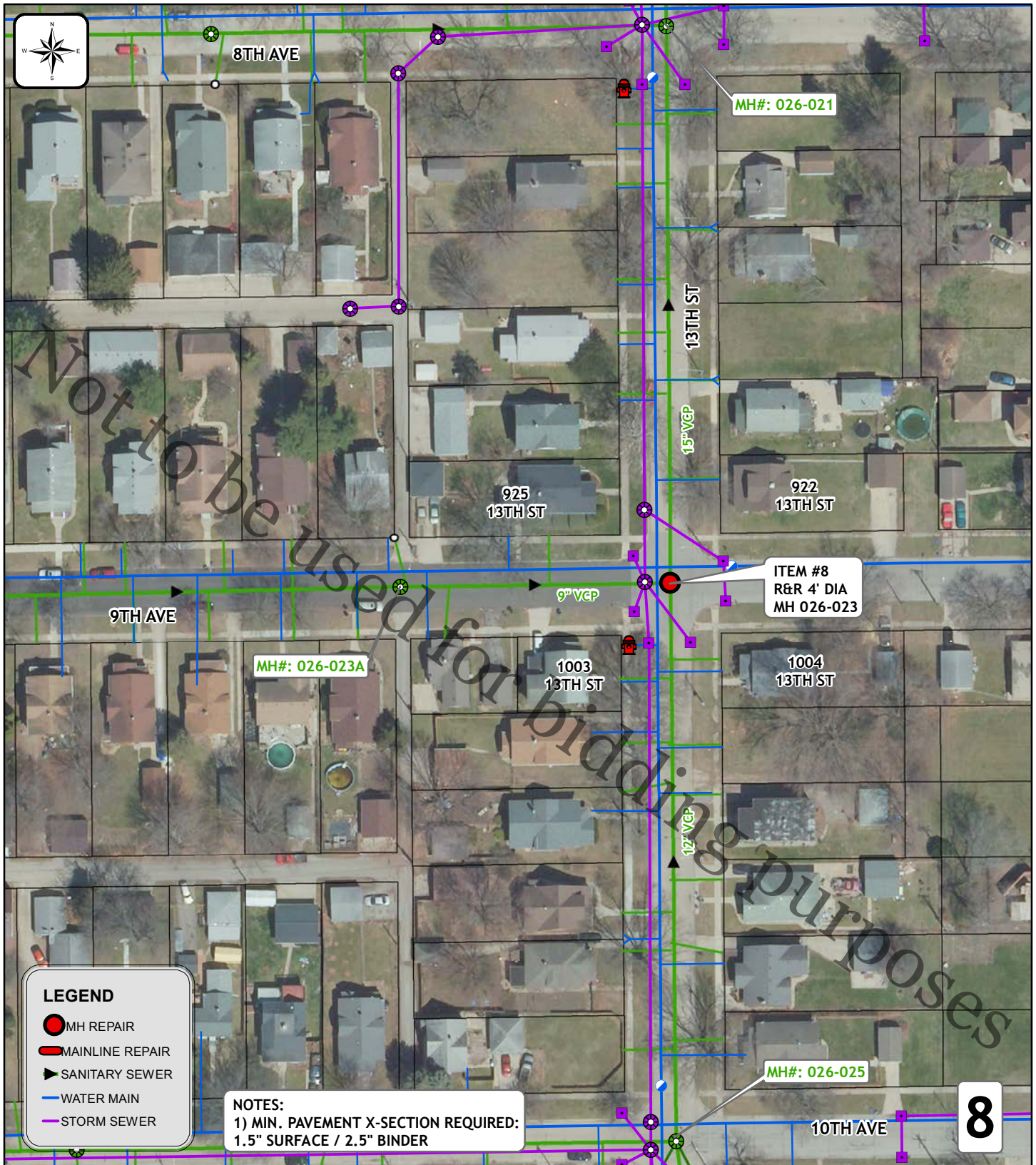
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	026-010	Depth:	10.20	Elev:	767.44
Out MH 2 (Dwnstrm)		Depth:		Elev:	

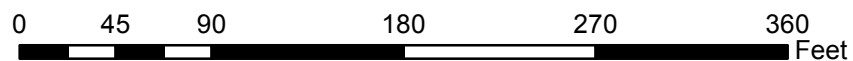
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments: MISSING STEPS, WATER SHOOTING IN MH @ OUT PIPE.





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BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 026-023 Inspector: W. STAHL Date: 02/26/2019

Address/Location: INT 13TH ST & 9TH AVE

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
Qty	Size							
2	3"							

Bench:	Conc. <input type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>			1st < 30" from Rim	Yes <input type="checkbox"/> No <input type="checkbox"/>		Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>			Last < 24" from Bench	Yes <input type="checkbox"/> No <input type="checkbox"/>		Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: 726.41 MH Diameter: 4' Surchage: Yes ☐ No ☒

In MH 1 (Upstrm) 026-025(s) Depth High: 4.40 Elev: 722.01 Depth Low: — Elev: —
 In MH 2 (Upstrm) 026-023A(w) Depth High: 4.40 Elev: 722.01 Depth Low: — Elev: —
 In MH 3 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —

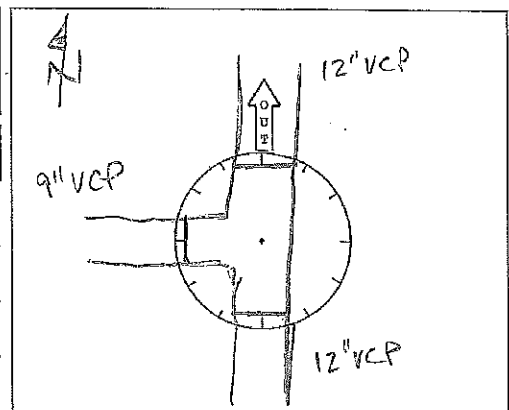
Serv 1 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 2 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 3 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —

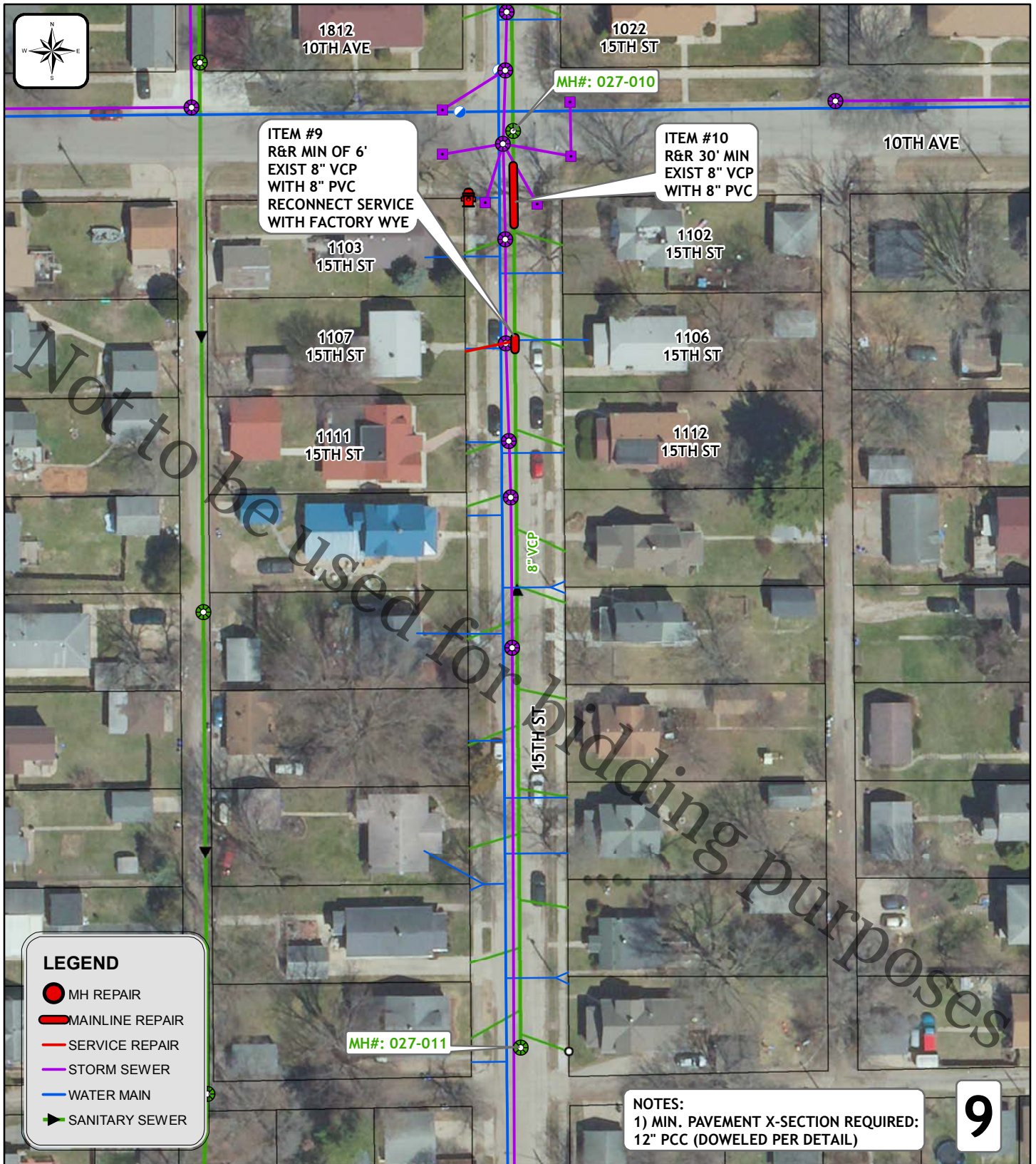
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 026-021 Depth: 4.45 Elev: 721.96
 Out MH 2 (Dwnstrm) — Depth: — Elev: —

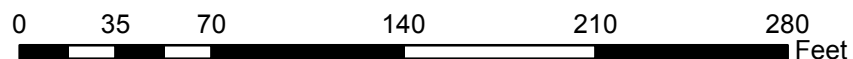
Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: MISSING GASKET





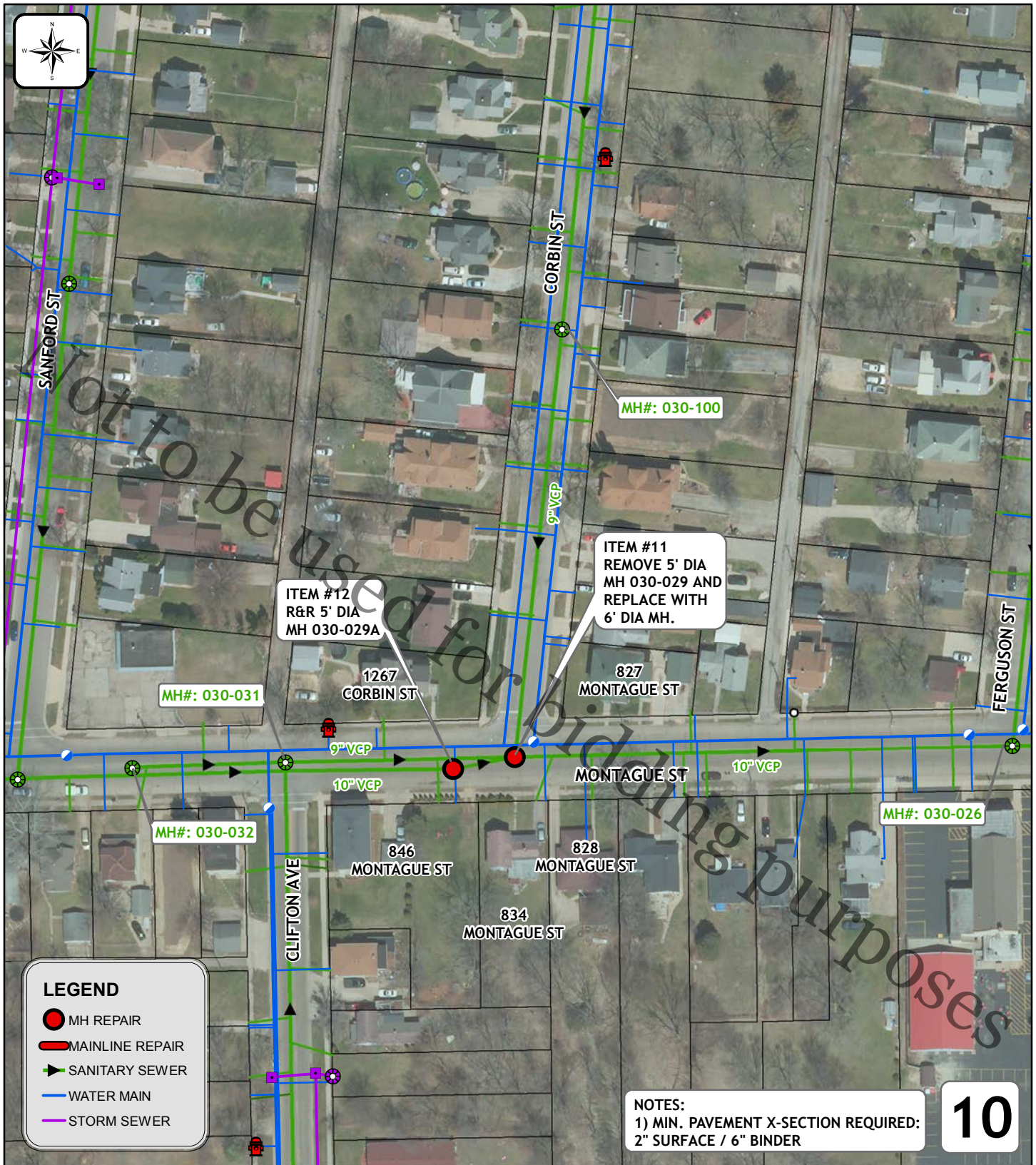
Disclaimer: RRWRD cannot and does not warrant the accuracy of: property and boundary lines, dimensions of parcels and lots, location of structures or improvements, and topographic or geologic features on the land. Only on-site verification or field surveys by a licensed professional land surveyor can provide such accuracy.



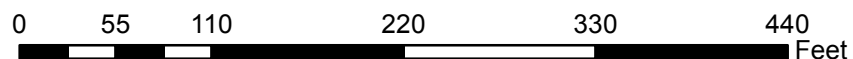
1 inch = 70 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT



Disclaimer: RRWRD cannot and does not warrant the accuracy of: property and boundary lines, dimensions of parcels and lots, location of structures or improvements, and topographic or geologic features on the land. Only on-site verification or field surveys by a licensed professional land surveyor can provide such accuracy.



1 inch = 110 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: <u>030-029</u>	Inspector: <u>CB</u>	Date: <u>FEBRUARY 27, 2018</u>
Address/Location: <u>INT OF MONTAGUE ST AND CORBIN ST</u>		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>	Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
Qty <u>2</u> Size <u>24"</u>	Block <input type="checkbox"/>	Poor <input type="checkbox"/>	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>		Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>		Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>	Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input checked="" type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>		1st < 30" from Rim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>		Last < 24" from Bench	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: <u>780.40</u>	MH Diameter: <u>5'</u>	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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(NE) In MH 1 (Upstrm) <u>030-100</u>	Depth High: _____	Elev: <u>11.17</u>	Depth Low: _____	Elev: <u>769.23</u>
(SW) In MH 2 (Upstrm) <u>030-29A</u>	Depth High: _____	Elev: <u>10.85</u>	Depth Low: _____	Elev: <u>769.55</u>
(W) In MH 3 (Upstrm) <u>030-031</u>	Depth High: _____	Elev: <u>11.00</u>	Depth Low: _____	Elev: <u>769.40</u>

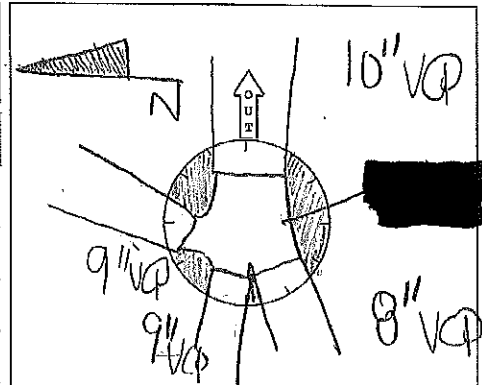
Serv 1 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
Serv 2 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
Serv 3 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____

Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) <u>030-026</u>	Depth: <u>11.31</u>	Elev: <u>769.09</u>
Out MH 2 (Dwnstrm) _____	Depth: _____	Elev: _____

Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments: TROUGH HAS DEBRIS COLLECTING, LOOSE BRICKS IN ADJUSTMENT / FLOW BACKFLOWING FROM INVERT CONFLUENCE INTO INV IN (WEST)



ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 030-29A	Inspector: CB	Date: FEBRUARY 27, 2018
Address/Location: 831 MONTAGUE St		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/> Concealed Pickhole <input checked="" type="checkbox"/> Open Pickhole <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/> No Stamp <input type="checkbox"/> Other <input type="checkbox"/>	Bolt-down <input type="checkbox"/> Gasket <input checked="" type="checkbox"/> Low Profile <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>
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Adj. Rings:	Precast <input checked="" type="checkbox"/> Brick <input type="checkbox"/> Block <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/> Brick <input type="checkbox"/> Block <input checked="" type="checkbox"/> Flat Top <input type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/> Brick <input type="checkbox"/> Block <input checked="" type="checkbox"/> Other <input type="checkbox"/> Coating <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>
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Bench:	Conc. <input checked="" type="checkbox"/> Block <input type="checkbox"/> Brick <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Flat <input type="checkbox"/> Half <input checked="" type="checkbox"/> 3/4 <input checked="" type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>	Infiltr:	Low Med Heavy None	Adj. Cone Wall Bench	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input checked="" type="checkbox"/>
			1 st < 30" from Rim Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
			Last < 24" from Bench Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									

GPS Rim Elev: 782.63	MH Diameter: 5'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm) 030-034	Depth High: _____	Elev: _____	Depth Low: 12.90	Elev: 769.73
In MH 2 (Upstrm) _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
In MH 3 (Upstrm) _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____

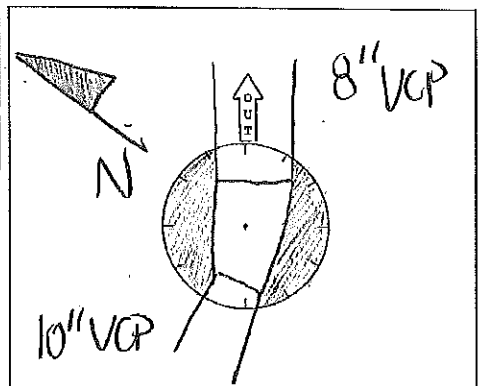
Serv 1 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
Serv 2 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
Serv 3 Clock Pos: _____	Address: _____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____

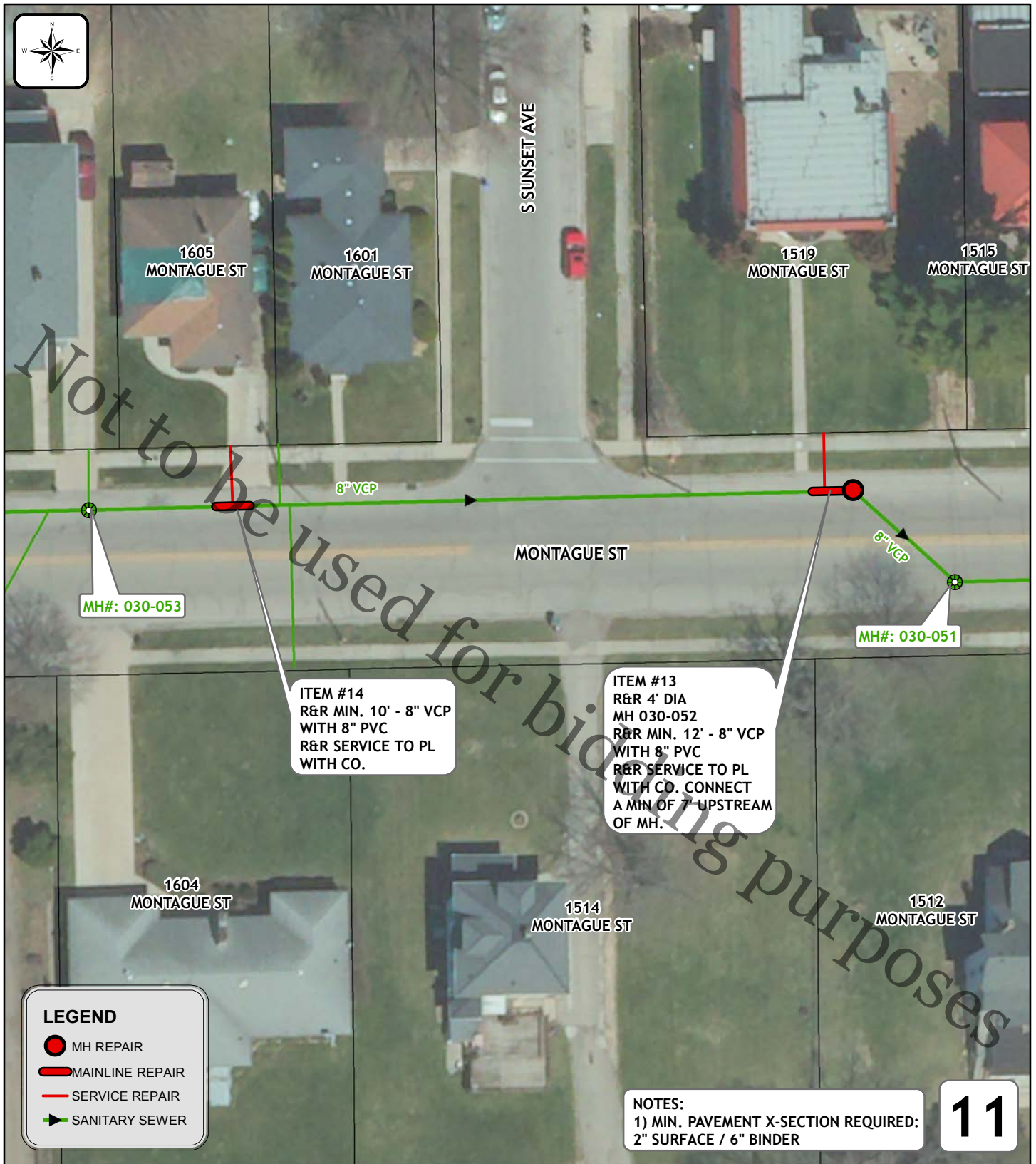
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 030-029	Depth: 12.92	Elev: 769.71
Out MH 2 (Dwnstrm) _____	Depth: _____	Elev: _____

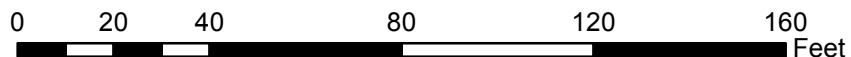
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments: LIGHT DEBRIS ON BENCH, RIPPED GASKET





Disclaimer: RRWRD cannot and does not warrant the accuracy of: property and boundary lines, dimensions of parcels and lots, location of structures or improvements, and topographic or geologic features on the land. Only on-site verification or field surveys by a licensed professional land surveyor can provide such accuracy.



1 inch = 40 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 030-052	Inspector: CB	Date: FEBRUARY 27, 2018
Address/Location: 1519 MONTAGUE ST		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>		Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input checked="" type="checkbox"/>	Flat <input checked="" type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
	Block <input type="checkbox"/>	Half <input type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>	Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>	Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>		1st < 30" from Rim	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>		Last < 24" from Bench	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: 817.78	MH Diameter: 4'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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In MH 1 (Upstrm)	030-053	Depth High:	Elev:	Depth Low:	7.22	Elev:	800.56
In MH 2 (Upstrm)		Depth High:	Elev:	Depth Low:		Elev:	
In MH 3 (Upstrm)		Depth High:	Elev:	Depth Low:		Elev:	

Serv 1 Clock Pos:	8	Address:	1519 MONTAGUE ST
Depth High:		Elev:	
Serv 2 Clock Pos:		Address:	
Depth High:		Elev:	
Serv 3 Clock Pos:		Address:	
Depth High:		Elev:	

Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	030-051	Depth:	7.25	Elev:	800.53
Out MH 2 (Dwnstrm)		Depth:		Elev:	

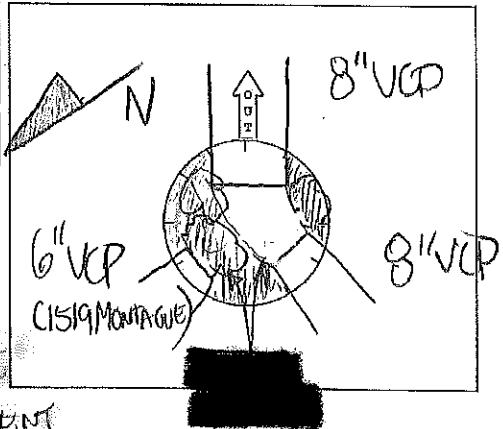
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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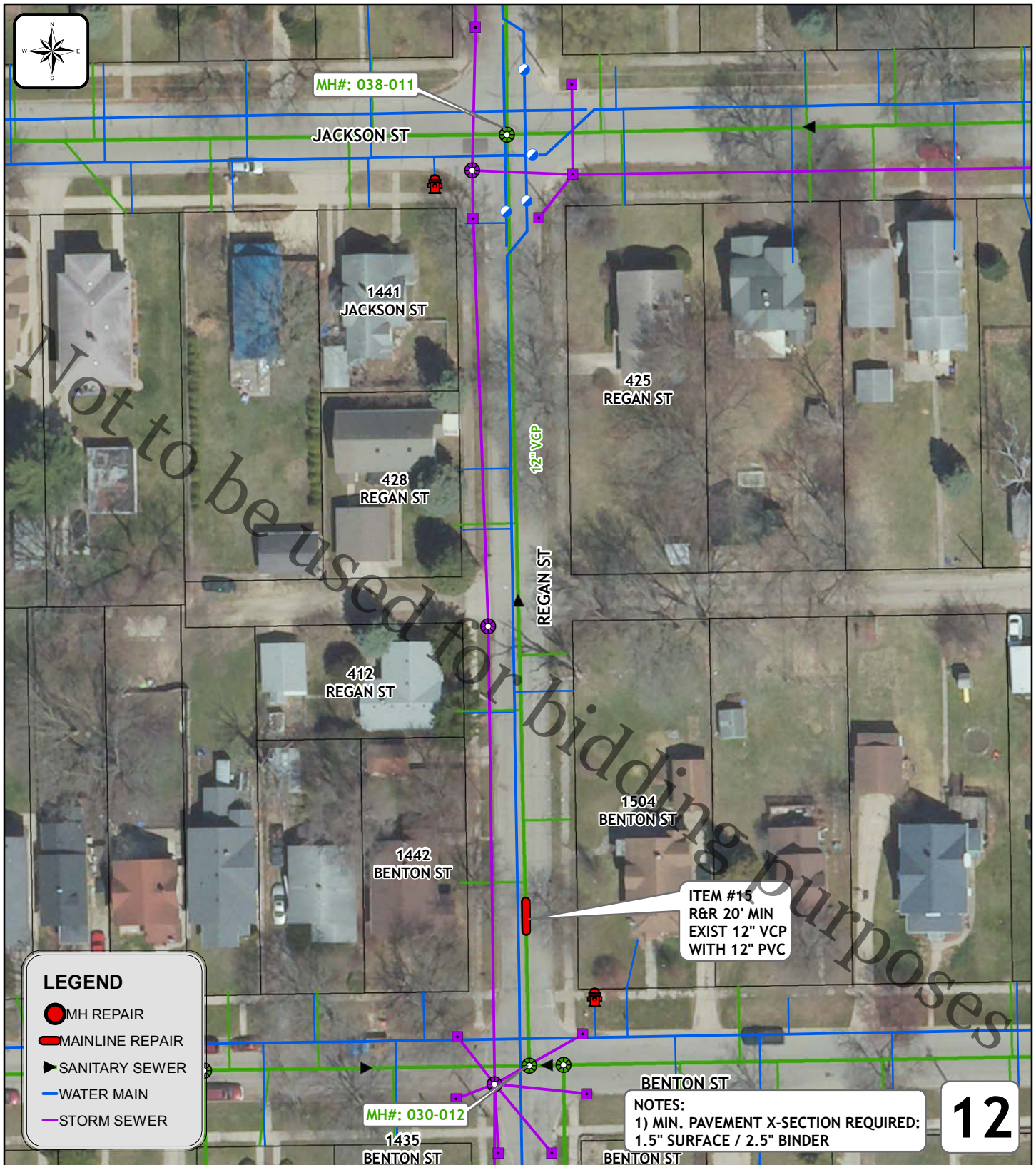
Comments: MH HAS NO BENCHES SO FECAL DEBRIS IS ALL OVER THE "BENCHES" AND I REMOVED A BLOCKAGE, FECAL MATERIAL IS PILED UNDER 6" VCP SERVICE THAT IS NOT ON THE MAP. GOOD CANDIDATE

File Name/Location: Revised 01/2018

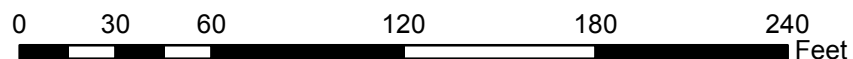
NO STEPS

FOR REPLACEMENT





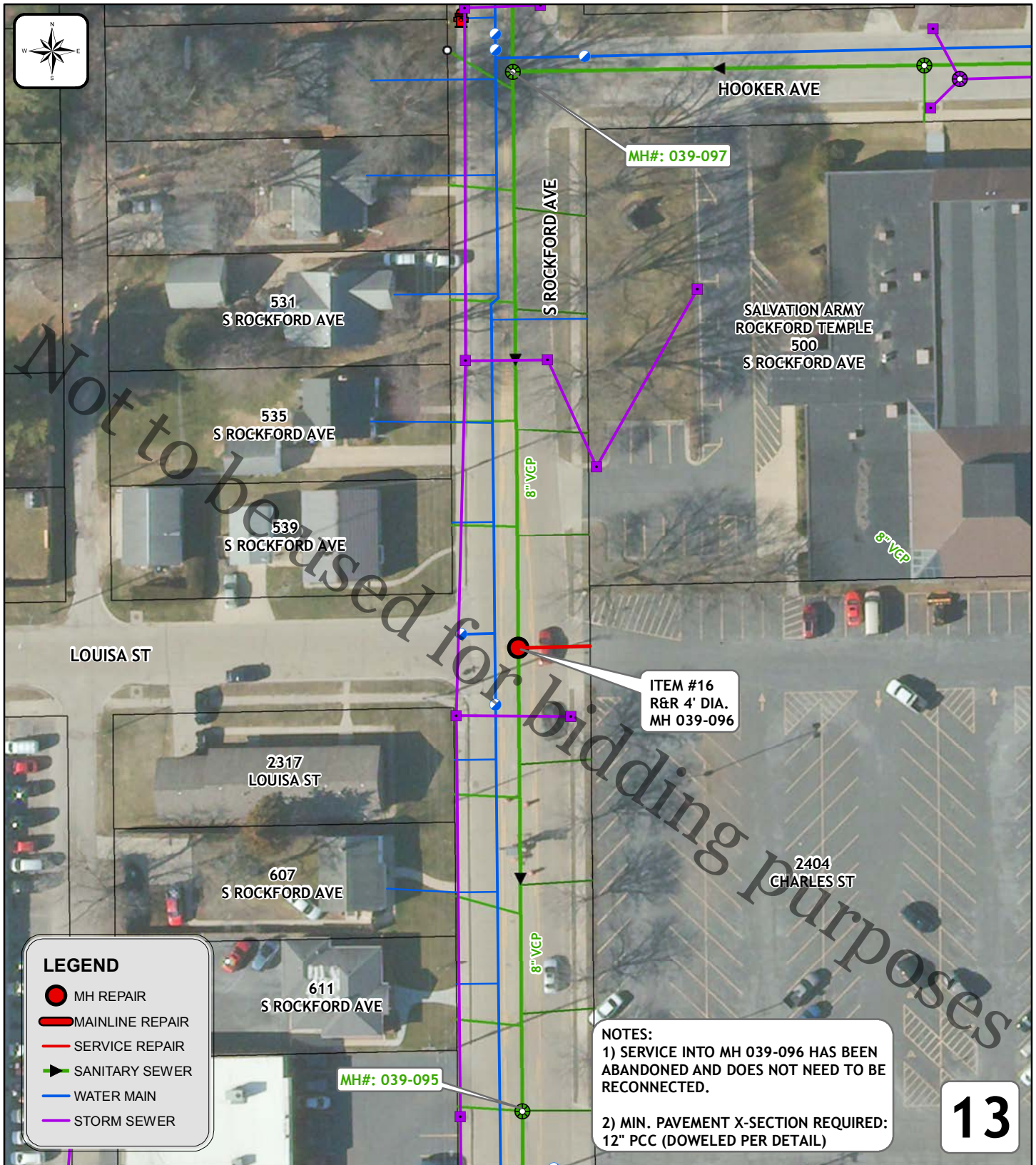
Disclaimer: RRWRD cannot and does not warrant the accuracy of: property and boundary lines, dimensions of parcels and lots, location of structures or improvements, and topographic or geologic features on the land. Only on-site verification or field surveys by a licensed professional land surveyor can provide such accuracy.



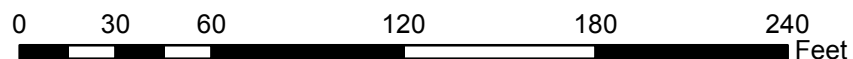
1 inch = 60 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT



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1 inch = 60 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 039-096	Inspector: W. STAHL	Date: 02/26/2019
Address/Location: INT. OF S. ROCKFORD AVE & LOUISA ST		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/> Concealed Pickhole <input checked="" type="checkbox"/> Open Pickhole <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/> No Stamp <input type="checkbox"/> Other <input type="checkbox"/>	Bolt-down <input type="checkbox"/> Gasket <input checked="" type="checkbox"/> Low Profile <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>
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Adj. Rings:	Precast <input type="checkbox"/> Brick <input checked="" type="checkbox"/> Block <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>	Cone:	Precast <input type="checkbox"/> Brick <input checked="" type="checkbox"/> Block <input type="checkbox"/> Flat Top <input type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/> Brick <input checked="" type="checkbox"/> Block <input type="checkbox"/> Other <input type="checkbox"/> Coating <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>
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Bench:	Conc. <input type="checkbox"/> Block <input type="checkbox"/> Brick <input checked="" type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Flat <input type="checkbox"/> Half <input checked="" type="checkbox"/> 3/4 <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>	Infiltr:	Low	Med	Heavy	None
						Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
						Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: 734.54	MH Diameter: 4'	Surcharge: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>
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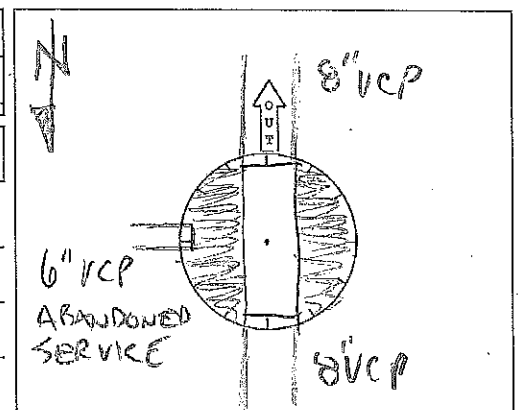
In MH 1 (Upstrm) 039-097	Depth High: 5.96	Elev: 728.58	Depth Low: —	Elev: —
In MH 2 (Upstrm)	Depth High: —	Elev: —	Depth Low: —	Elev: —
In MH 3 (Upstrm)	Depth High: —	Elev: —	Depth Low: —	Elev: —

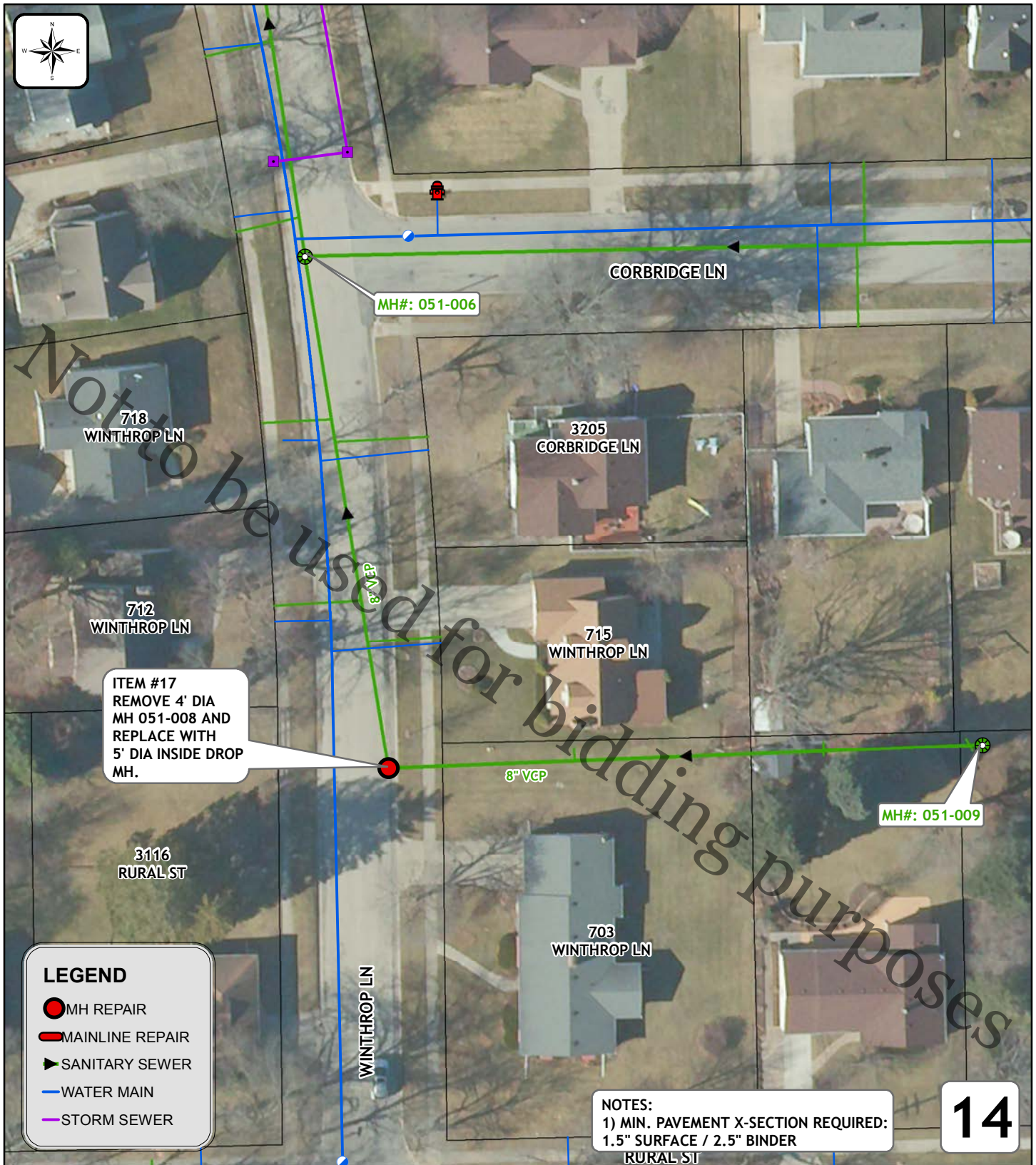
Serv 1 Clock Pos: 9:00	Address: —
Depth High: 5.75	Elev: 728.79
Serv 2 Clock Pos: —	Address: —
Depth High: —	Elev: —
Serv 3 Clock Pos: —	Address: —
Depth High: —	Elev: —
Depth Low: —	Elev: —

Out is considered 12:00 and service clock position shall be given from 12:00.			
Out MH 1 (Dwnstrm) 039-095	Depth: 6.00	Elev: 728.54	
Out MH 2 (Dwnstrm)	Depth: —	Elev: —	

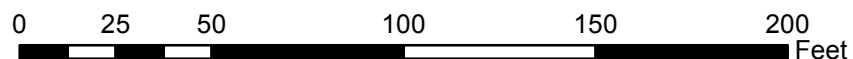
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments: MISSING GASKET, BRICKS FALLING OUT OF CONE





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1 inch = 50 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 051-008	Inspector: W. STAHL	Date: 01/04/2019
Address/Location: 715 WINTHROP LN (LURM)		
Surface Cover: Asphalt <input checked="" type="checkbox"/> Concrete <input type="checkbox"/> Turf <input type="checkbox"/> Gravel <input type="checkbox"/> Other <input type="checkbox"/> Ponding: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		

Lid / Cover:	Open Grate <input type="checkbox"/> Concealed Pickhole <input type="checkbox"/> Open Pickhole <input checked="" type="checkbox"/>	Sanitary Stamp <input type="checkbox"/> No Stamp <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Bolt-down <input type="checkbox"/> Gasket <input type="checkbox"/> Low Profile <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>
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Adj. Rings:	Precast <input type="checkbox"/> Brick <input checked="" type="checkbox"/> Block <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>	Cone:	Precast <input type="checkbox"/> Brick <input type="checkbox"/> Block <input checked="" type="checkbox"/> Flat Top <input type="checkbox"/> Other <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/> Brick <input type="checkbox"/> Block <input checked="" type="checkbox"/> Other <input type="checkbox"/> Coating <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input type="checkbox"/> Poor <input checked="" type="checkbox"/>
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Bench:	Conc. <input checked="" type="checkbox"/> Block <input type="checkbox"/> Brick <input type="checkbox"/> Other <input type="checkbox"/> None <input type="checkbox"/>	Flat <input type="checkbox"/> Half <input checked="" type="checkbox"/> 3/4 <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> None <input type="checkbox"/>	Good <input type="checkbox"/> Fair <input checked="" type="checkbox"/> Poor <input type="checkbox"/>	Infiltr:	Low Med Heavy None	Adj. Cone Wall Bench	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	<input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>
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GPS Rim Elev: 816.42	MH Diameter: 4'	Surcharge: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
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In MH 1 (Upstrm)	051-009	Depth High:	10.75	Elev:	805.67	Depth Low:	—	Elev:	—
In MH 2 (Upstrm)		Depth High:		Elev:		Depth Low:		Elev:	
In MH 3 (Upstrm)		Depth High:		Elev:		Depth Low:		Elev:	

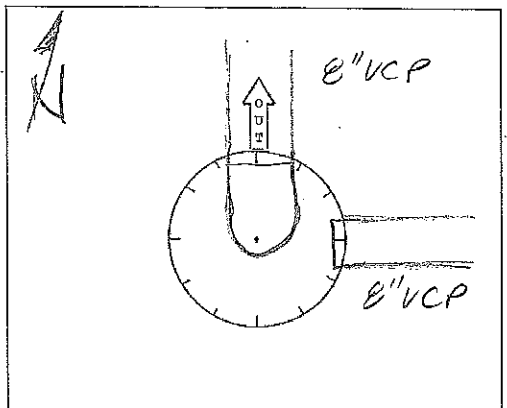
Serv 1 Clock Pos:	Address:	Depth High:	Elev:	Depth Low:	Elev:
Serv 2 Clock Pos:	Address:	Depth High:	Elev:	Depth Low:	Elev:
Serv 3 Clock Pos:	Address:	Depth High:	Elev:	Depth Low:	Elev:

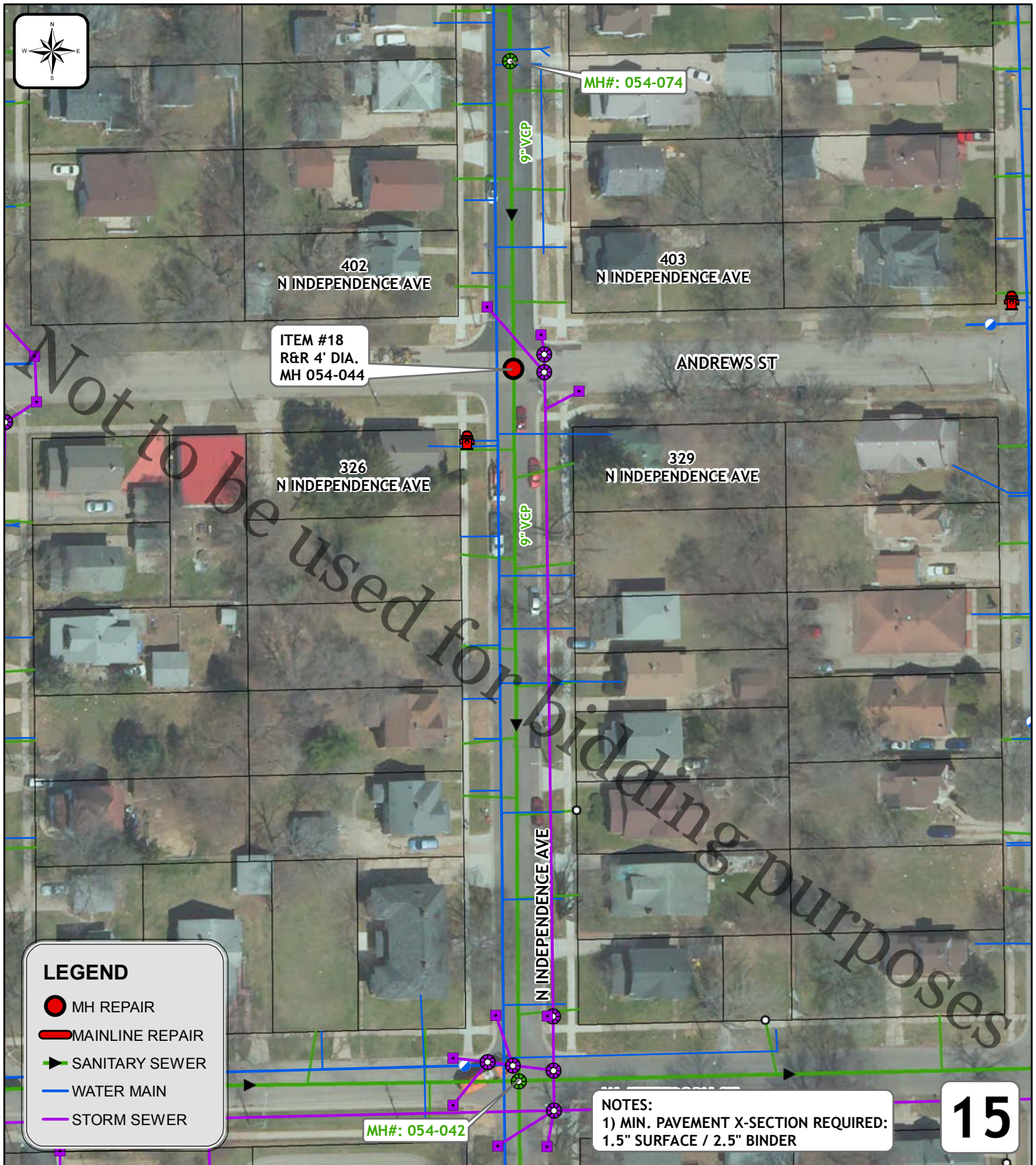
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	051-006	Depth:	15.39	Elev:	801.03
Out MH 2 (Dwnstrm)		Depth:		Elev:	

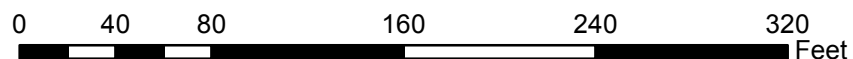
Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
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Comments: FRAME CRACKED IN MULTIPLE SPOTS, OPEN PICKHOLE, NO GASKET, POSSIBLE DROP ON "IN" BUT SO MUCH DEBRIS IN BOTTOM NOT SURE





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1 inch = 80 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 054-044 Inspector: W. STATZ Date: 01/04/2019

Address/Location: N. INDEPENDENCE AVE & ANDREWS ST

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input type="checkbox"/>	No Stamp <input checked="" type="checkbox"/>	Gasket <input type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input checked="" type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
Qty	Size							
2	3"							

Bench:	Conc. <input type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Adj.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	3/4 <input type="checkbox"/>		None <input type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	Other <input type="checkbox"/>			1 st < 30" from Rim	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wall	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	None <input type="checkbox"/>			Last < 24" from Bench	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bench	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

GPS Rim Elev: 782.80 MH Diameter: 4' Surcharge: Yes ☐ No ☒

In MH 1 (Upstrm) 054-074 Depth High: 8.40 Elev: 774.40 Depth Low: — Elev: —
 In MH 2 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —
 In MH 3 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —

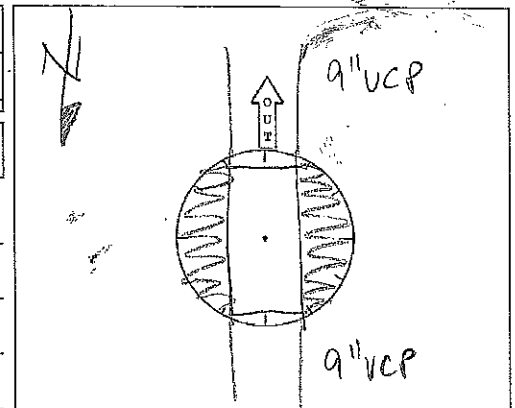
Serv 1 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 2 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 3 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —

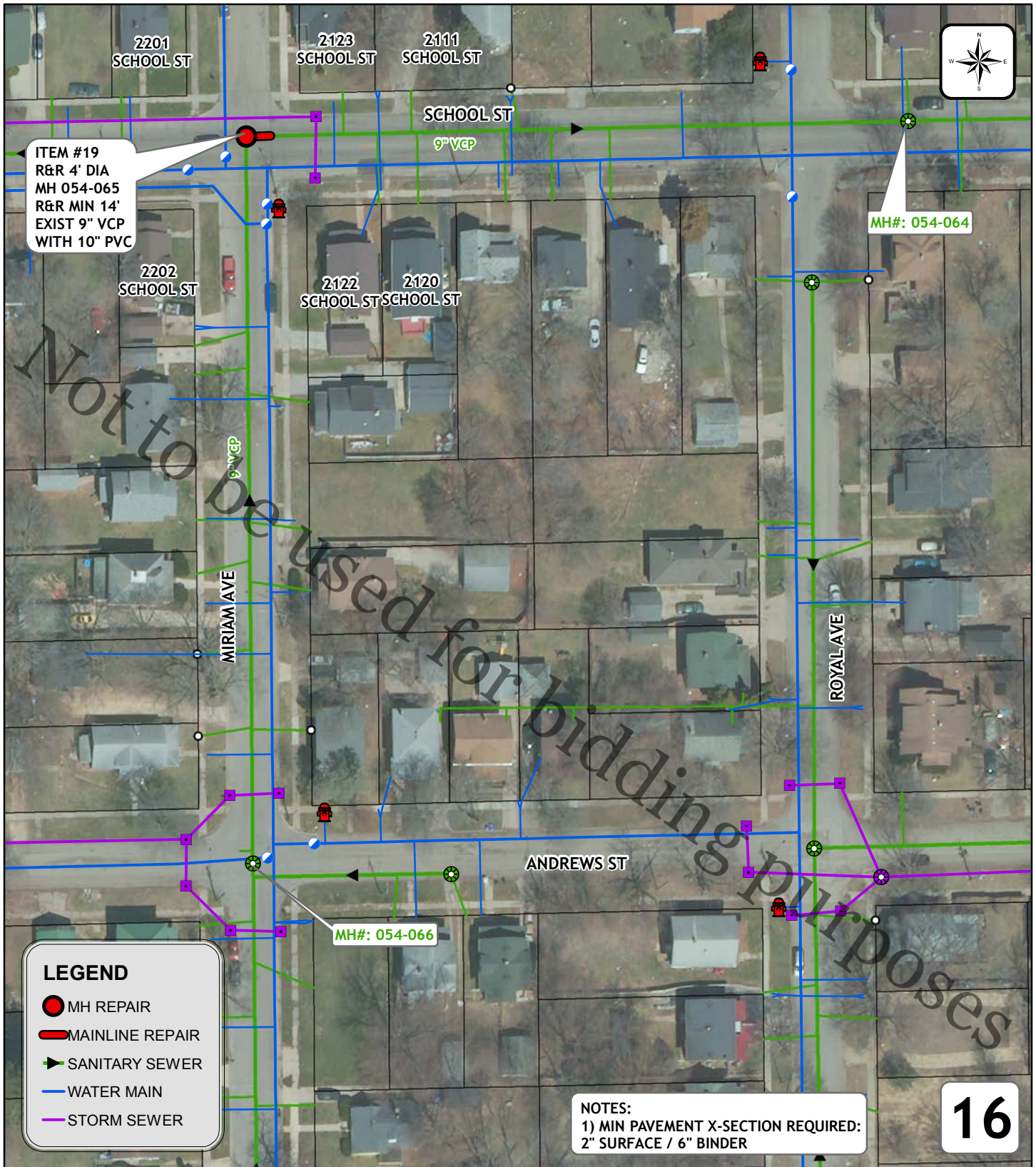
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 054-042 Depth: 8.50 Elev: 774.30
 Out MH 2 (Dwnstrm) — Depth: — Elev: —

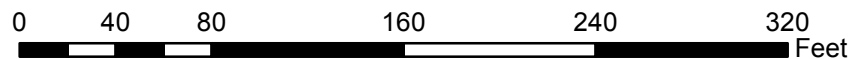
Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: NO GASKET,





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1 inch = 80 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 054-065 Inspector: CB Date: DECEMBER 20, 2019
 Address/Location: INT OF MIRIAM AVE AND SCHOOL ST
 Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input checked="" type="checkbox"/>

Adj. Rings: Qty Size 1 6"	Precast <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	

Bench:	Conc. <input type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input type="checkbox"/>		Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	3/4 <input type="checkbox"/>		None <input checked="" type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>			1st < 30" from Rim Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Wall		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	
	None <input type="checkbox"/>			Last < 24" from Bench Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	Bench		<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	

GPS Rim Elev: 791.75 MH Diameter: 4' Surcharge: Yes ☐ No ☒

In MH 1 (Upstrm)	<u>054 066</u>	Depth High: <u>5.28</u>	Elev: <u>786.47</u>	Depth Low: _____	Elev: _____
In MH 2 (Upstrm)	_____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____
In MH 3 (Upstrm)	_____	Depth High: _____	Elev: _____	Depth Low: _____	Elev: _____

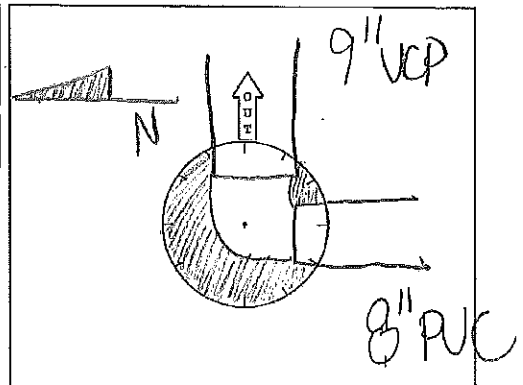
Serv 1 Clock Pos: _____	Address: _____
Depth High: _____	Elev: _____ Depth Low: _____ Elev: _____
Serv 2 Clock Pos: _____	Address: _____
Depth High: _____	Elev: _____ Depth Low: _____ Elev: _____
Serv 3 Clock Pos: _____	Address: _____
Depth High: _____	Elev: _____ Depth Low: _____ Elev: _____

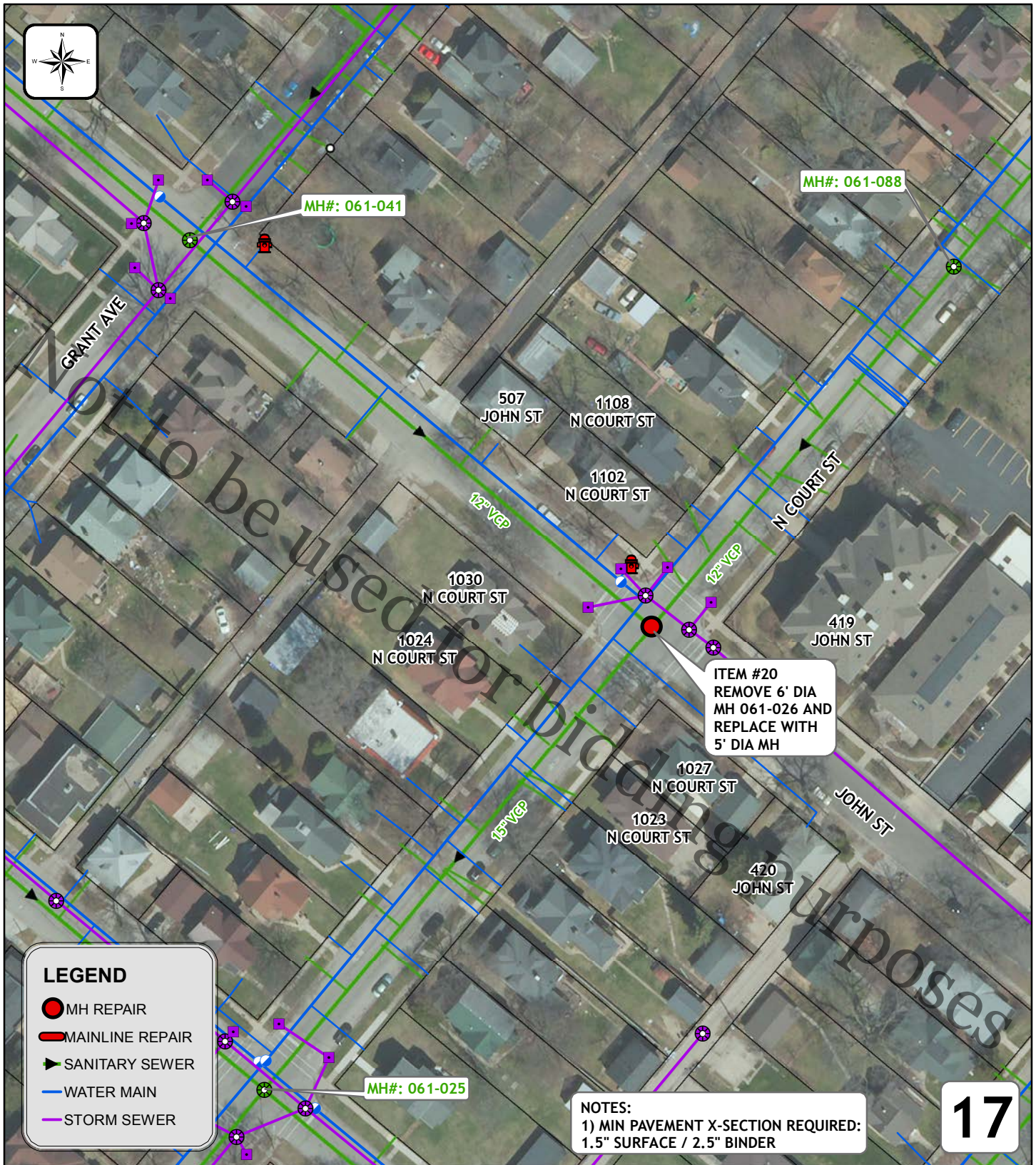
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm)	<u>054-064</u>	Depth: <u>5.48</u>	Elev: <u>786.27</u>
Out MH 2 (Dwnstrm)	_____	Depth: _____	Elev: _____

Metered <input type="checkbox"/>	Outside Drop <input type="checkbox"/>	Inside Drop <input type="checkbox"/>
----------------------------------	---------------------------------------	--------------------------------------

Comments: FECAL PILE UP IN TROUGH WAS IMPEDING FLOW NOW RELIEVED. LIGHT DEBRIS ON BENCH, MULTIPLE PLOW HITS HAVE CHIPPED CASTING, NO STEPS IN MH.





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0 45 90 180 270 360 Feet

1 inch = 90 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

ROCK RIVER WATER RECLAMATION DISTRICT

Manhole Inspection Form

Manhole ID: 061-026 Inspector: W. STANLEY Date: 02/26/2019

Address/Location: INTERSECTION OF JOHN ST & N COURT ST

Surface Cover: Asphalt ☒ Concrete ☐ Turf ☐ Gravel ☐ Other ☐ Ponding: Yes ☐ No ☒

Lid / Cover:	Open Grate <input type="checkbox"/>	Sanitary Stamp <input checked="" type="checkbox"/>	Bolt-down <input type="checkbox"/>	Frame:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>
	Concealed Pickhole <input checked="" type="checkbox"/>	No Stamp <input type="checkbox"/>	Gasket <input checked="" type="checkbox"/>		Other <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Open Pickhole <input type="checkbox"/>	Other <input type="checkbox"/>	Low Profile <input type="checkbox"/>			Poor <input type="checkbox"/>

Adj. Rings:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Cone:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>	Wall / Base:	Precast <input type="checkbox"/>	Good <input type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input type="checkbox"/>		Brick <input checked="" type="checkbox"/>	Fair <input checked="" type="checkbox"/>
	Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input checked="" type="checkbox"/>		Block <input type="checkbox"/>	Poor <input type="checkbox"/>
	Other <input type="checkbox"/>			Flat Top <input type="checkbox"/>			Other <input type="checkbox"/>	
	None <input type="checkbox"/>			Other <input type="checkbox"/>			Coating <input type="checkbox"/>	
Qty	Size							
2	3"							

Bench:	Conc. <input type="checkbox"/>	Flat <input type="checkbox"/>	Steps:	Cast Iron <input checked="" type="checkbox"/>	Good <input type="checkbox"/>	Infiltr:	Low	Med	Heavy	None	
	Block <input type="checkbox"/>	Half <input checked="" type="checkbox"/>		Plastic <input type="checkbox"/>	Fair <input checked="" type="checkbox"/>		Adj.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Brick <input checked="" type="checkbox"/>	3/4 <input type="checkbox"/>		None <input type="checkbox"/>	Poor <input type="checkbox"/>		Cone	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	Other <input type="checkbox"/>			1 st < 30" from Rim	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Wall	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	None <input type="checkbox"/>			Last < 24" from Bench	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bench	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

GPS Rim Elev: 730.49 MH Diameter: 6' Surchage: Yes ☐ No ☒

In MH 1 (Upstrm) 061-041 Depth High: 9.10 Elev: 721.39 Depth Low: — Elev: —
 In MH 2 (Upstrm) 061-088 Depth High: 9.75 Elev: 720.74 Depth Low: — Elev: —
 In MH 3 (Upstrm) — Depth High: — Elev: — Depth Low: — Elev: —

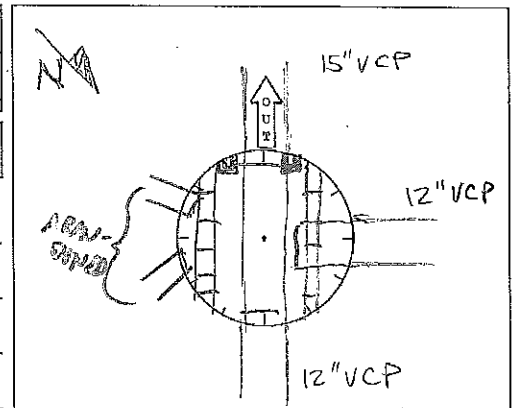
Serv 1 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 2 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —
 Serv 3 Clock Pos: — Address: —
 Depth High: — Elev: — Depth Low: — Elev: —

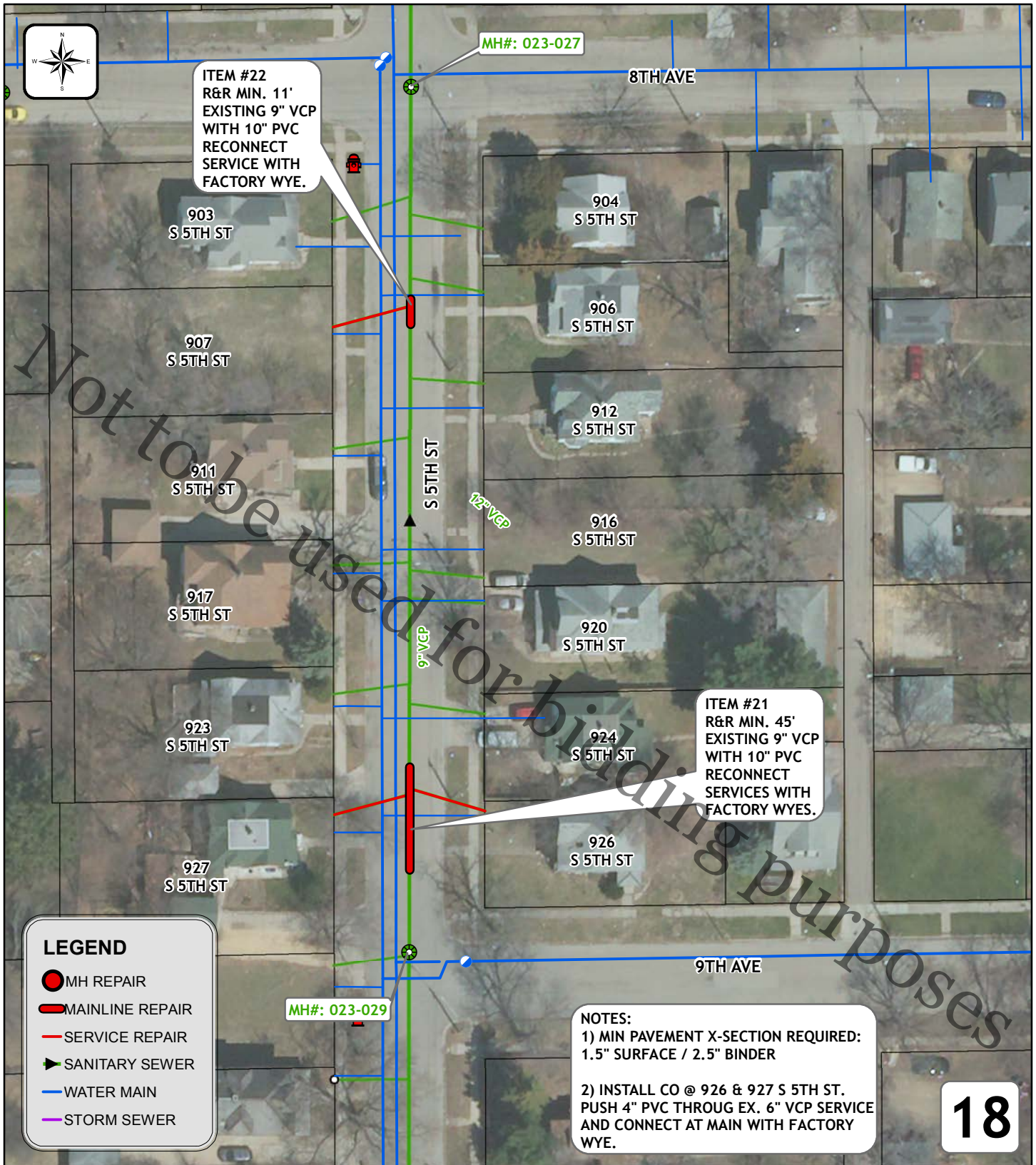
Out is considered 12:00 and service clock position shall be given from 12:00.

Out MH 1 (Dwnstrm) 061-025 Depth: 9.75 Elev: 720.74
 Out MH 2 (Dwnstrm) — Depth: — Elev: —

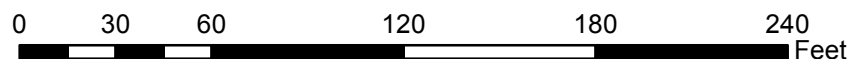
Metered ☐ Outside Drop ☐ Inside Drop ☐

Comments: MISSING GASKET





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1 inch = 60 feet



BY: WMS
PRODUCED: 3/13/19
RRWRD ENG DEPT

Section V

Detailed Drawings

Not to be used for bidding purposes

NOTES:

1. THE MAX. DROP FROM THE INVERT OF ANY PIPE TO THE CONCRETE CHANNEL UNDER THAT PIPE SHALL BE 8".
2. MANHOLES LOCATED OUTSIDE OF PUBLIC RIGHT-OF-WAY SHALL BE MARKED WITH A STEEL FENCE POST AS DIRECTED.
3. ALL NEW MANHOLES SHALL BE VACUUM TESTED PER A.S.T.M. C-1244 PRIOR TO ACCEPTANCE.
4. ALL BARREL JOINTS SHALL BE SEALED WITH 3 1/2" x 3/8" BITUMINOUS MATERIAL ON THE LOWER SHIPLAP.
5. ALL BARREL JOINTS SHALL BE SEALED WITH AN EXTERNAL BARREL SEAL CENTERED ON THE JOINT (MAR MAC MACWRAP OR APPROVED EQUAL)
6. MANHOLE STRUCTURE SHALL BE CONSTRUCTED OF PRECAST REINFORCED CONCRETE MANHOLE RISER SECTIONS IN ACCORDANCE WITH A.S.T.M. C478-90 OR THE LATEST DESIGNATION.
7. PRECAST FLAT TOPS ARE NOT APPROVED FOR USE.
8. SEE 'MANHOLE ADJUSTMENT DETAIL' FOR ADJUSTMENT REQUIREMENTS.
9. PIPE CONNECTIONS TO NEW MANHOLES SHALL BE MADE BY MEANS OF EITHER RUBBER GASKET SEAL (A-LOK OR APPROVED EQUAL) CONFORMING TO ASTM F-477 CAST INTEGRALLY IN MANHOLE WALL, OR RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP (PSX SERIES SIX OR APPROVED EQUAL) CONFORMING TO ASTM C-923. FOR PIPE CONNECTIONS WITH A DEPTH OF 20 FT., A RUBBER GASKET SEAL (A-LOK OR APPROVED EQUAL) CONFORMING TO ASTM F-477 CAST INTEGRALLY IN MANHOLE WALL SHALL BE USED.
10. PIPE CONNECTIONS TO EXISTING MANHOLES SHALL BE MADE BY MEANS OF CORE DRILLING MANHOLE WALL AND INSTALLING RUBBER GASKET SEAL AND STAINLESS STEEL CLAMP (PSX SERIES SIX OR APPROVED EQUAL) CONFORMING TO ASTM C-923.
11. THE MAXIMUM DISTANCE FROM ANY INLET PIPE INVERT TO THE OUTLET PIPE INVERT SHALL BE 2'. A DISTANCE GREATER THAN 2' WILL REQUIRE AN INSIDE DROP CONNECTION PER 'INSIDE DROP MANHOLE DETAIL'.
12. MANHOLE STEPS SHALL BE NEENAH R-1982-F OR M.A. IND. PS-1 OR APPROVED EQUAL AT 16" CENTERS.

STANDARD MANHOLE DETAIL
(*MANHOLE ADJUSTMENT DETAIL* SHALL APPLY)

NOTES:

1. MANHOLE FRAME & LID SHALL BE NEENAH R-1670 OR EAST JORDAN E-1117 WITH NON-ROCKING & SELF-SEALING LID.
2. LID SHALL HAVE 2" HIGH "SANITARY" LETTERING & A CONCEALED PICK HOLE.
3. ALL ADJUSTMENT RING JOINTS SHALL BE SEALED WITH TWO 1" BEADS OF APPROVED BITUMINOUS MATERIAL, INCLUDING FRAME TO CONCRETE JOINT.
4. NO TARRING OR GROUTING IS ALLOWED ON THE INSIDE OF MANHOLE OR ADJUSTMENT JOINTS.
5. 2" RINGS ALLOWED ONLY IN THE CITY OF ROCKFORD RIGHT-OF-WAY; ALL OTHER 2" RINGS SHALL BE RRWRD APPROVED RUBBER ADJUSTMENT RING.
6. ONLY ONE 2" RING ALLOWED PER MANHOLE. MAXIMUM ADJUSTMENT IS 12". MINIMUM ADJUSTMENT IS 4" UNLESS OFF-ROAD OR IN CURB & GUTTER ROADWAY.
7. WHEN A FRAME REQUIRES PITCHING, A MIN. OF 3 SHIMS EQUALLY SPACED SHALL BE INSTALLED BETWEEN THE FRAME AND CONCRETE AND HYDRAULIC CEMENT SHALL BE USED TO FILL THE VOID BETWEEN THE FRAME & CONCRETE.
8. FLAT-TOPS ARE NOT PERMITTED ON 4' OR 5' DIA. MANHOLES.
9. REPLACEMENT OF EXISTING BARREL SECTIONS MAY BE REQUIRED TO MEET THE ABOVE REQUIREMENTS.

MANHOLE ADJUSTMENT DETAIL
(FOR ADJUSTMENT OF BOTH NEW & EXISTING MANHOLES)

DROP BOWL & DROP PIPE SIZING TABLE

INLET PIPE DIA.	DROP PIPE DIA. (MIN.)
4-6 INCH	4 INCH
8 INCH	6 INCH
10 INCH	8 INCH
>10 INCH	*
* PER MFG. OR AS DIRECTED BY RRWRD	

NOTES:

1. INSIDE DROP TYPE MANHOLES SHALL BE 5' MIN. INSIDE DIA.
2. ALL INSIDE DROP TYPE CONNECTIONS FOR SERVICES AND COLLECTOR SEWERS SHALL USE THE DROP AS PRODUCED BY RELINER-DURAN INC. OR EQUAL.
3. SEE TABLE FOR DROP BOWL AND DROP PIPE SIZES.
4. ALL INSIDE DROP PIPING SHALL BE PVC SDR35 ASTM-D3034.
5. ATTACH THE ROUND BACK DROP BOWL AND EACH CLAMPING BRACKET TO THE MANHOLE WALL WITH 3/8"x 1" MIN. STAINLESS STEEL BOLTS AND EPOXY IMPREGNATED LUGS PER MFG. RECOMMENDATIONS.
6. ALLOW 1" VERTICAL CLEARANCE BETWEEN INLET PIPE & BOWL.
7. CUT A 1" "V" NOTCH IN INVERT OF INLET PIPE.

INSIDE DROP MANHOLE DETAIL
(*STANDARD MANHOLE DETAIL* SHALL APPLY)

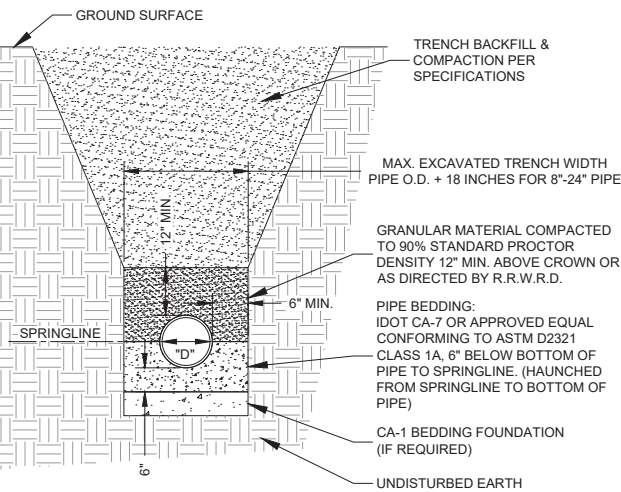
NOTES:

1. FOR NEW MAINLINE, FACTORY PVC WYE FITTING SHALL BE USED.
2. FOR EX. MAINLINE, HOLE SHALL BE CORE DRILLED IN THE MAINLINE PIPE PER MFG.'S REQUIREMENTS. LOCATION OF CORE SHALL BE APPROVED BY THE ENGINEER.
3. PIPE BEDDING FOR SANITARY SERVICE PIPING SHALL BE PER 'FLEXIBLE PIPE BEDDING DETAIL', 6" BELOW AND 12" ABOVE PIPING.
4. THE REMAINDER OF SERVICE TO PROPERTY/EASEMENT LINE SHALL BE INSTALLED PER STANDARD SERVICE & ALTERNATE SERVICE DETAIL.
5. THE COMPRESSION FITTING SHALL BE A WATER-TIGHT FLEXIBLE TEE CONNECTOR OF SPECIFIED SIZE. (INSERT-A-TEE OR APPROVED EQUAL).

VERTICAL SERVICE RISER DETAIL
(FOR MAINLINE DIA. 8" - 18")

NOTES:

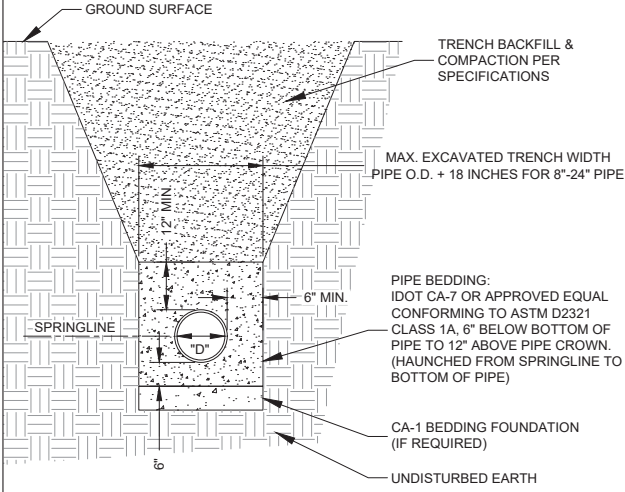
1. REASONABLE CARE SHALL BE USED WHEN BACKFILLING OVER SEWER. NO MATERIALS SUCH AS ROCKS OR BOULDERS SHALL BE PLACED WITHIN 24" OF THE CROWN OF THE PIPE. NO MATERIAL LARGER THAN 8" DIA. SHALL BE USED IN THE BACKFILL.
2. LOOSE MATERIAL TO BE REMOVED OR COMPACTED PRIOR TO PLACING PIPE BEDDING.
3. BEDDING SHALL BE WELL HAUNCHED ALONG PIPE TO ENSURE VOIDS ARE ELIMINATED.



RIGID PIPE BEDDING DETAIL

NOTES:

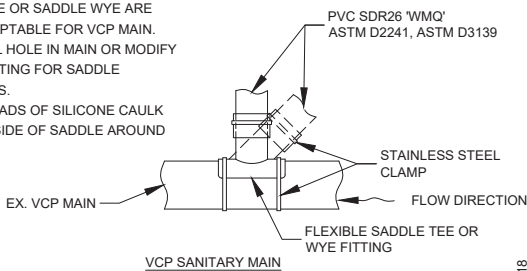
1. REASONABLE CARE SHALL BE USED WHEN BACKFILLING OVER SEWER. NO MATERIALS SUCH AS ROCKS OR BOULDERS SHALL BE PLACED WITHIN 24" OF THE CROWN OF THE PIPE. NO MATERIAL LARGER THAN 8" DIA. SHALL BE USED IN THE BACKFILL.
2. LOOSE MATERIAL TO BE REMOVED OR COMPACTED PRIOR TO PLACING PIPE BEDDING.
3. BEDDING SHALL BE WELL HAUNCHED ALONG PIPE TO ENSURE VOIDS ARE ELIMINATED.



FLEXIBLE PIPE BEDDING DETAIL

NOTES:

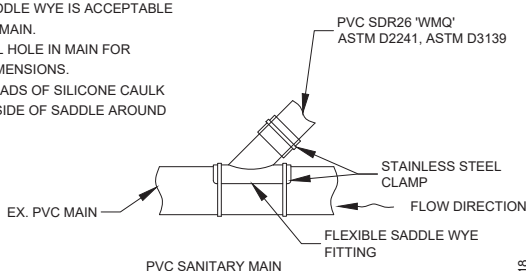
1. SADDLE TEE OR SADDLE WYE ARE BOTH ACCEPTABLE FOR VCP MAIN.
2. CORE DRILL HOLE IN MAIN OR MODIFY EX. VCP FITTING FOR SADDLE DIMENSIONS.
3. APPLY 2 BEADS OF SILICONE CAULK TO UNDERSIDE OF SADDLE AROUND OPENING.



FLEXIBLE SADDLE CONNECTION DETAIL

NOTES:

1. ONLY A SADDLE WYE IS ACCEPTABLE FOR A PVC MAIN.
2. CORE DRILL HOLE IN MAIN FOR SADDLE DIMENSIONS.
3. APPLY 2 BEADS OF SILICONE CAULK TO UNDERSIDE OF SADDLE AROUND OPENING.

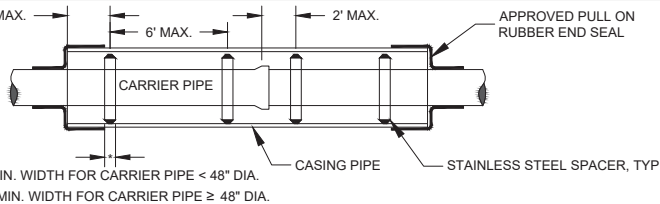


FLEXIBLE SADDLE CONNECTION DETAIL

NOTES:

1. HOLE SHALL BE CORE DRILLED IN THE MAINLINE PIPE PER MFG.'S REQUIREMENTS.
2. LOCATION OF CORE SHALL BE APPROVED BY THE ENGINEER.
3. PIPE BEDDING SHALL BE PER 'FLEXIBLE PIPE BEDDING DETAIL' 6" BELOW AND 12" ABOVE.
4. THE REMAINDER OF SERVICE TO PROPERTY/EASEMENT LINE SHALL BE INSTALLED PER 'STANDARD SERVICE & ALTERNATE SERVICE DETAIL'.
5. THE COMPRESSION FITTING SHALL BE A WATER-TIGHT FLEXIBLE TEE CONNECTOR OF SPECIFIED SIZE. (INSERT-A-TEE OR APPROVED EQUAL).

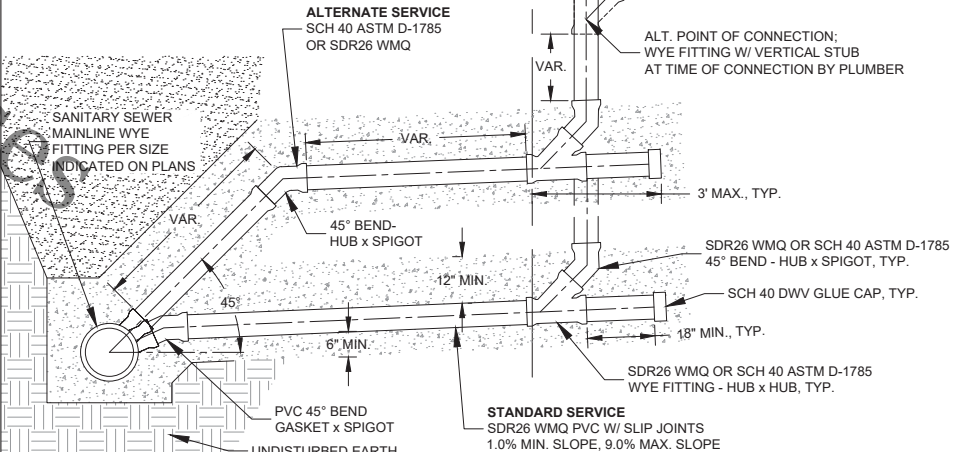
SERVICE CONNECTION DETAIL FOR CONNECTION TO 18" DIA. OR LARGER PIPE



CASING & SPACER DETAIL

NOTES:

1. SANITARY SEWER MAINLINE SHALL BE INSTALLED PER FLEXIBLE PIPE BEDDING DETAIL.
2. PIPE BEDDING FOR SANITARY SERVICE PIPING SHALL BE PER 'FLEXIBLE PIPE BEDDING DETAIL', 6" BELOW AND 12" ABOVE PIPING.
3. ALL SCH 40 PVC PIPE & FITTINGS SHALL BE PER ASTM D-1785/D-2665.
4. ALL SDR26 WMQ PVC PIPE & FITTINGS SHALL BE PER ASTM D-2241/D-3139.
5. ALL DWV FITTINGS SHALL BE CLEANED, PRIMED, & GLUED.
6. MIN. DEPTH OF COVER SHALL BE 5'.
7. CLEANOUT CAP SHALL BE SCH 40 DWV GLUED CAP FOR NEW DEVELOPMENT OR SCH 40 GLUED SCREW CAP FOR EX. DEVELOPMENT.



STANDARD SERVICE & ALTERNATE SERVICE DETAIL
(FOR MAINLINE DIA. 8" - 18")

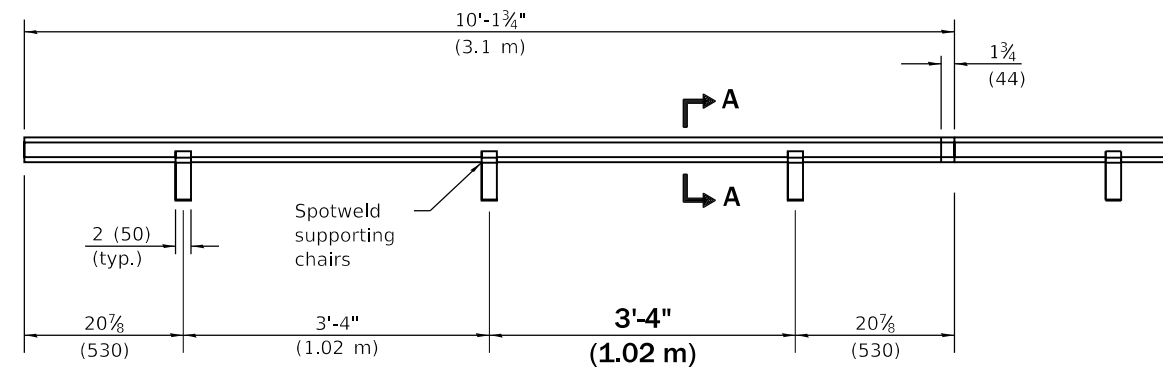


ROCK RIVER WATER RECLAMATION DISTRICT
STANDARD DETAIL SHEET
(NOT TO SCALE)

3501 KISHWAUKEE ST. P.O. BOX 7480
ROCKFORD, ILLINOIS 61109 PH. (815) 387-7660

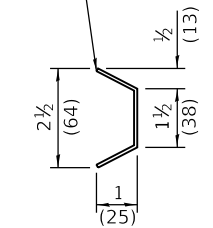
ISSUE 4/1/19

4/1/19 Revisions:
Entire sheet: Made minor spelling/wording changes.
Rigid Pipe Bedding Detail: Added note 3.
Flexible Pipe Bedding Detail: Added manhole step specifications and dimensions, note 12.
Standard Manhole Detail: Added manhole step specifications and dimensions, note 12.
Standard Service & Alt. Service Detail: Revised cleanout depth to 6 inches for existing development. Changed 2x4 post marker to vacant lots only. Added note 7.

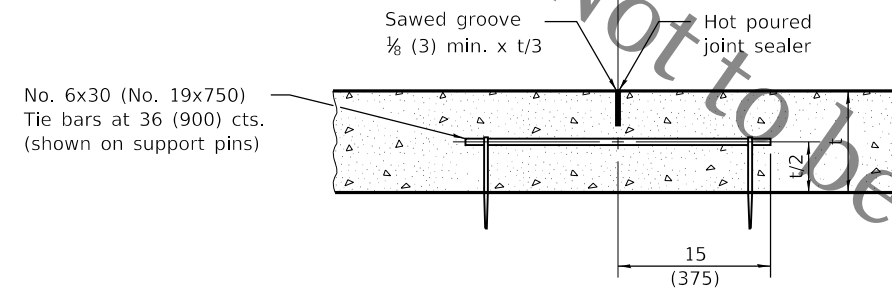


TYPE C METAL JOINT

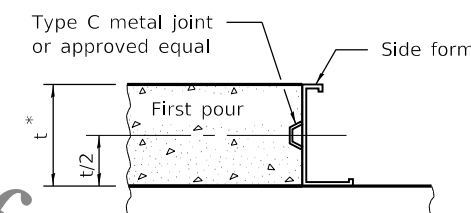
Sheet steel of suitable thickness to form keyway as detailed or approved equal.



SECTION A-A

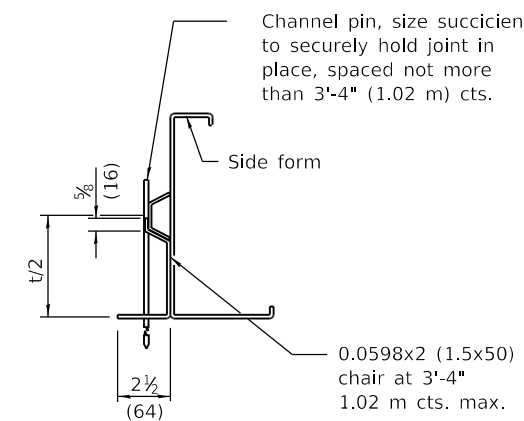


LONGITUDINAL SAWED JOINT

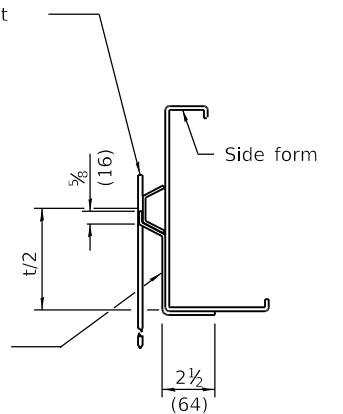


LONGITUDINAL KEYED JOINT

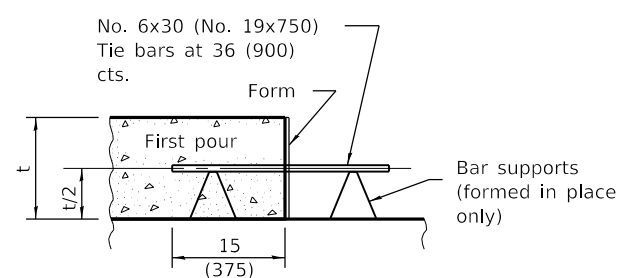
* 8 (203) min. pavement thickness for keyed joints.



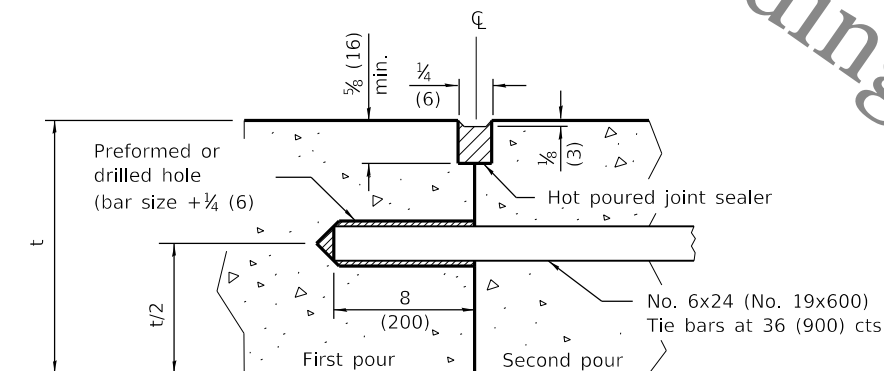
SUPPORTING CHAIR ALTERNATE



SUPPORTING CHAIR ALTERNATE



LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR FORMED IN PLACE OR MECHANICALLY INSERTED)



LONGITUDINAL CONSTRUCTION JOINT
(TIE BAR GROUTED IN PLACE)

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

PASSED January 1, 2018

Michael Beard
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2018

Maureen M. Beck
ENGINEER OF DESIGN AND ENVIRONMENT

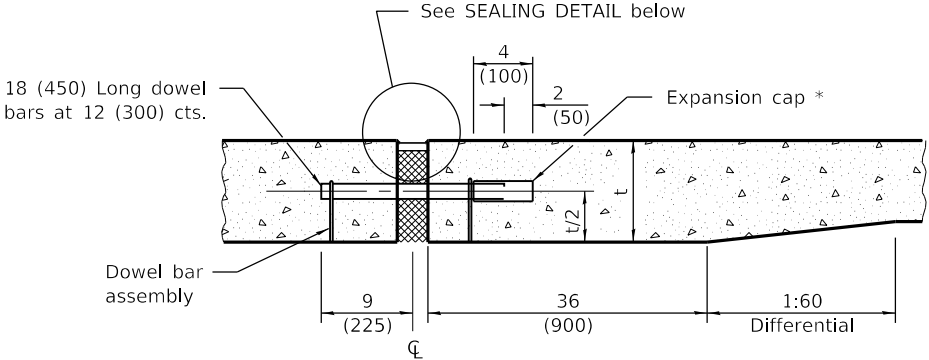
ISSUED 1-1-97

DATE	REVISIONS
1-1-18	Changed tie bar spacing to 36 (900) cts. Revised
	DOWEL BAR TABEL.
1-1-08	Switched units to English (metric).

PAVEMENT JOINTS

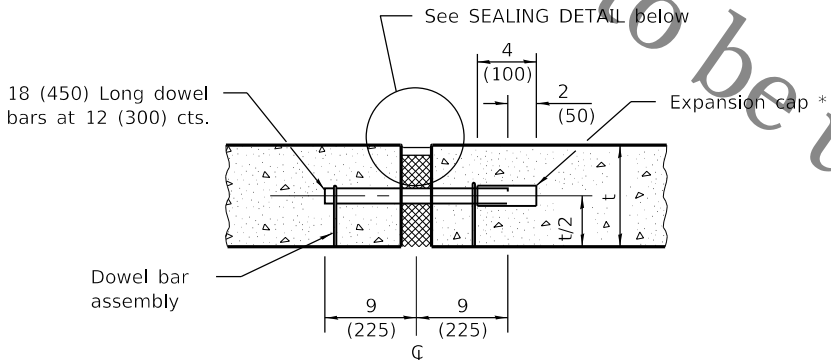
(Sheet 1 of 2)

STANDARD 420001-09

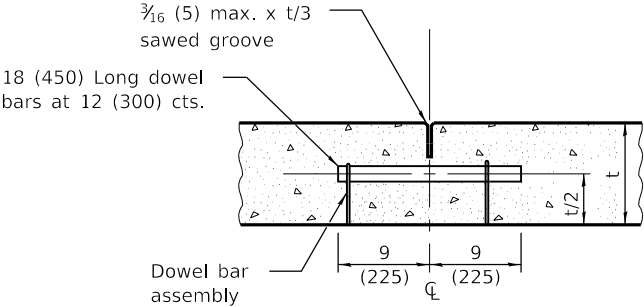


TRANSVERSE EXPANSION JOINT
(FOR PAVEMENTS WITH UNEQUAL THICKNESS)

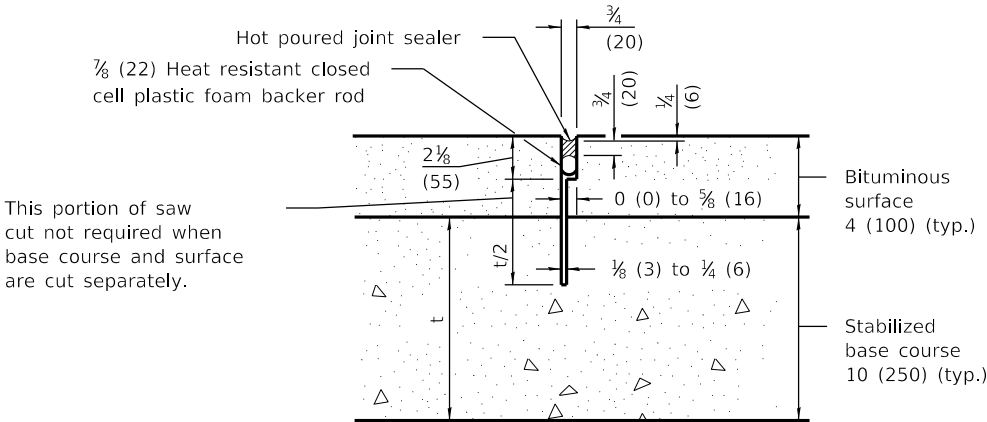
* Expansion caps shall be installed on the exposed end of each dowel bar once the header has been removed and the joint filler material has been installed.



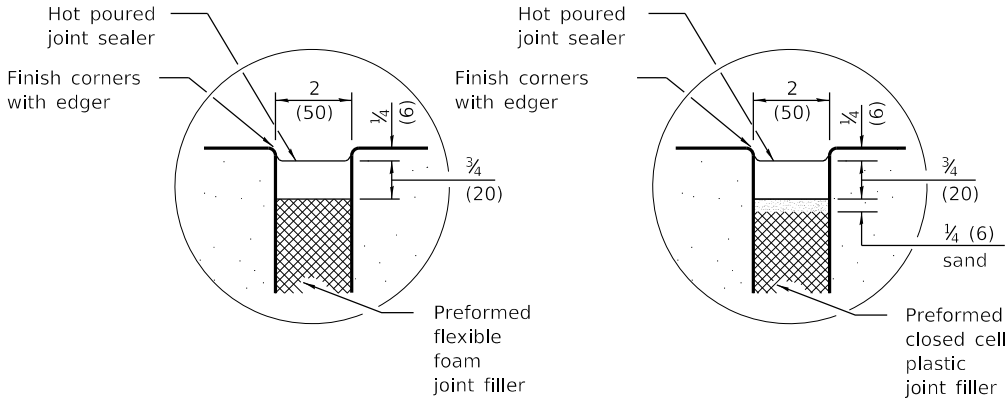
TRANSVERSE EXPANSION JOINT
(FOR PAVEMENTS WITH EQUAL THICKNESS)



TRANSVERSE CONTRACTION JOINT



TRANSVERSE CONTRACTION JOINT
(FOR CAM, CFA AND LFA BASE COURSE MIXTURES)



SEALING DETAIL

DOWEL BAR TABLE	
PAVEMENT THICKNESS	DOWEL BAR DIAMETER
10 (250) or greater	1 1/2 (38)
8 (200) thru 9.99 (249)	1 1/4 (32)
Less than 8 (200)	1 (25)

Section VI

General Provisions & Technical Specifications for Sanitary Sewer Construction

(Separate document incorporated by reference)