

Four Rivers Sanitation Authority Rockford, Illinois

Bidding Requirements and Contract Forms

for

Grace Street Sanitary Sewer Extension

Capital Project No. 2625

Four Rivers Sanitation Authority Rockford, Illinois

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

for

Grace Street Sanitary Sewer Extension

Capital Project No. 2625

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Not to be used for bidding purposes

Section I

Bidding Requirements

Article 1 — Notice to Bidders

The Four Rivers Sanitation Authority (FRSA) will receive signed and sealed bids for the Grace Street Sanitary Sewer Extension, Capital Project No. 2625, at the Steve Graceffa Administration Building (Administration Building) at 3501 Kishwaukee Street, Rockford, Illinois until 10:00 a.m. on Friday, August 22, 2025 at which time and place responsive / responsible bids will be publicly opened and read aloud.

The Grace Street Sanitary Sewer Extension project consists of constructing 236 feet of 8-inch diameter PVC sanitary sewer, 64 feet of 4-inch diameter sanitary services with cleanouts, and two (2) manholes, hot-mix asphalt pavement removal and replacement, curb and gutter removal and replacement, sidewalk removal and replacement, turf restoration and all other appurtenances indicated on the plans and in the specifications.

Bidder's attention is called to Article 2 – Instructions to Bidders 3.8 requirements for Statement of Qualifications. Bidder must have a permanent business office within forty (40) miles of FRSA's office at 3501 Kishwaukee Street in Rockford, Illinois.

All demolition, construction, installation and associated Project work shall be completed by Friday, November 14, 2025. Liquidated damages shall be \$300.00 per calendar day.

Bid documents may be obtained at a cost of \$50.00 per set (non-refundable) by contacting the FRSA Engineering Department at 815-387-7660.

Plans and specifications may also be viewed at the offices of the Northern Illinois Building Contractors Association at 1111 S. Alpine Rd, Rockford, Illinois. For more information, visit the FRSA website at fourrivers.illinois.gov.

A Non-mandatory Pre-Bid Meeting for this project will be held on Wednesday, August 13, 2025 at 10:00 a.m. in the FRSA Board Room in the Steve Graceffa Administration Building, 3501 Kishwaukee Street, Rockford, Illinois. All contractors that intend to bid on this project are encouraged to attend this pre-bid meeting.

All construction shall be done in accordance with specifications on file with FRSA, including the *General Provisions and Technical Specifications for Sanitary Sewer Construction, Four Rivers Sanitation Authority* (Current Edition).

Each Proposal must be accompanied by the FRSA Bid Bond form with an acceptable Bid Security attached, in the amount of ten percent (10%) of the total bid price. This amount is a guarantee that, if the Proposal is accepted, a Contract will be entered into and its performance properly secured.

The successful bidder will be required to furnish a satisfactory Performance Bond in the full amount of the Bid or Proposal. No Bid shall be withdrawn without FRSA's consent for a period of sixty (60) days after the scheduled closing time for receipt of bids.

FRSA 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 FRSA.

Dated this 15th day of August, 2025.


BY: Christopher T. Baer, PE, Executive Director

Article 2 — Instructions to Bidders

1 General

1.1 Scope and Intent

This section of the Contract Documents provides 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 contradictions 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, Four Rivers Sanitation Authority (FRSA) 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.

1.3 Mandatory Pre-Bid Meeting

A Non-Mandatory Pre-Bid Meeting for this project will be held on Wednesday, August 13, 2025 at 10:00 a.m. in the FRSA Board Room at 3501 Kishwaukee Street, Rockford, Illinois. All Contractors intending to bid on this project are encouraged to attend the pre-bid meeting.

2 Legal Requirements

2.1 Illinois Regulations

- A. Public Act 100-1177 (820 ILCS 130/) entitled the "Prevailing Wage Act" requires the Bidder to comply with prevailing wages in accordance with the Illinois Department of Labor Standards. The State of Illinois requires contractors and subcontractors on FRSA projects to submit certified payroll reports via the State's Certified Transcript of Payroll Portal currently found at: <https://labor.illinois.gov/laws-rules/conmed/certifiedtranscriptofpayroll.html>. The Bidder is responsible for verifying current information at the State's website.
- B. Public Act 83-1030 (30 ILCS 565/) entitled the "Steel Products Procurement Act" requires that steel products used or supplied in performance of this Contract or subcontract must be manufactured or produced in the United States with three exceptions.

The provisions of this Section shall not apply:

1. Where the Contract involves an expenditure of less than \$500.
2. Where the executive head of the public agency certifies in writing that
 - a) the specified products are not manufactured or produced in the United States in sufficient quantities to meet the agency's requirements, or

- b) obtaining the specified products, manufactured or produced in the United States would increase the cost of the Contract by more than 10%.
3. When its application is not in the public interest.
- C. Public Act 96-929 (30 ILCS 570/) entitled the "Employment of Illinois Workers on Public Works Act" 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.
- D. Public Act 101-221 (820 ILCS 96/) entitled the "Workplace Transparency Act" requires that any party to a contract adopt and promulgate written sexual harassment policies that include, as a minimum, the following information:
1. the illegality of sexual harassment
 2. the definition of sexual harassment under Illinois State law
 3. a description of sexual harassment, utilizing examples
 4. my (our) organization's internal complaint process including penalties
 5. the legal recourse, investigative and complaint process available through the Illinois Department of Human Rights and the Illinois Human Rights Commission
 6. directions on how to contact the Department and the Commission
 7. protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act
- Upon request, this information must be provided to the Illinois Department of Human Rights and the FRSA.
- E. 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.
- F. The Contractor for this project must comply with the Occupational Safety and Health Act.
- G. The Contractor for this project must comply with the Federal Drug-Free Workplace Act.
- H. 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 must comply with Public Act 96-1416 and be responsible for the certifications and any fees associated with the disposal at a CCDD fill site.
1. In the event that contaminated soil is uncovered on the project, the Contractor must notify FRSA immediately. Any extra costs resulting from the presence of contaminated soil must be evaluated in accordance with FRSA 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 Four Rivers Sanitation Authority (FRSA) and their representatives from all:

- A. suits, claims, or actions
- B. costs, either for defense (including but not limited to reasonable attorney's fees and expert witness fees) or for settlement
- C. 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 the project areas.

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 Four Rivers Sanitation Authority, 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 FRSA 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 FRSA.

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.

Bidders may opt to contact FRSA's Engineering Department at 815.387.7660 to obtain an electronic Proposal form. If used, 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 Four Rivers Sanitation Authority, 3501 Kishwaukee Street, Rockford, Illinois, 61109 and be sent preferably by certified mail. FRSA will not accept facsimile generated bids.

3.6 Bid Security

Each Proposal must be accompanied by the FRSA Bid Bond form with an acceptable Bid Security attached, in the amount specified in Article One, Notice to Bidders. This sum is a guarantee that, if the Proposal is accepted, a contract will be entered into and its performance properly secured. The FRSA'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 the award of the bid, 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 sixty (60) 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, has a permanent business office within forty (40) miles of the FRSA office at 3501 Kishwaukee Street in Rockford, IL, and provides documentation that the bidder possesses the appropriate financial, material, equipment, facility and personnel resources and expertise necessary to meet all contractual obligations. The bidder shall document no less than three (3) contracts for sanitary sewer system work within the past five (5) years having equal or greater value to the bid being submitted. FRSA 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

The contract will be award, if at all, to the lowest responsive, responsible bidder. No bidder may withdraw his bid after the scheduled closing time for receipt of bids, for at least sixty (60) days. Four Rivers Sanitation Authority also reserves the right to reject any of all bids.

The bidder whose proposal is accepted will be notified of the Notice of Award issued by FRSA Executive Director. Within ten (10) days of issuance of a Notice of Award by the FRSA Executive Director, the successful bidder shall enter into a written contract for the

performance of the Proposal work and shall furnish the required bonds and insurance certificates upon being served such Notice, personally, by mailing, or via email.

If the bidder does not comply with the Notice of Award, FRSA will issue a Deficiency Notice. 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 Deficiency Notice, the amount of his deposit shall be forfeited and shall be retained by FRSA 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 FRSA 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 FRSA;
- 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) sanitary sewer system repair contracts within the past five (5) years of equal or greater value to the bid being submitted.

3.11 The Rejection of Bids

FRSA 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 FRSA 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. FRSA reserves the right to reject any and all bids and to accept the bid which they deem most favorable to the interest of FRSA 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 FRSA's issuance of an award letter, the

Contractor shall provide documentation to prove that he has obtained all required insurance and bonds. FRSA 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 FRSA.

3.12.1 General

The Contractor shall ensure that:

- A. All insurance policies shall be specific to the project.
- B. The insurance certificate shall state: This certifies that the insurance coverage meets or exceeds that required for Grace Street Sanitary Sewer Extension, Capital Project No. 2625.
- C. FRSA shall be named as Additional Insured in all policies; this shall include the Owners' Contractors' Protective Policy option.
- D. 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:

- A. 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.
- B. 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.
- C. 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.
- D. 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.
- E. 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:

1. Unless otherwise provided in paragraph "c" of this section, FRSA, 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 FRSA, its officers, officials, employees, volunteers, or agents.

2. Unless otherwise provided in paragraph “c” of this section, the Contractor’s insurance coverage shall be primary insurance as respects FRSA, its officers, officials, employees, volunteers, and agents. Any insurance or self-insurance maintained by FRSA, its officers, officials, employees, volunteers, or agents shall be excess of the Contractor’s insurance and shall not contribute with it.
3. 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.
4. Any failure to comply with reporting provisions of the policies shall not affect coverage provided to FRSA, its officers, officials, employees, volunteers, or agents.
5. 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.
6. 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 FRSA.

3.12.3 Best's Ratings

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

- A. 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 FRSA.
- B. Financial Size Rating: Provided an insurer's alphabetical rating is satisfactory, FRSA will examine said insurer's financial size rating.
 1. If Best classifies the insurer XII or larger, said insurer shall be acceptable to FRSA.
 2. If Best classifies the insurer as smaller than XII, but larger than VI, said insurer shall be submitted to FRSA’s Director of Management Services and/or FRSA’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 Payment Bond Form

The Contractor shall provide a Performance Bond and Labor & Materials Payment Bond form acceptable to FRSA. 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 & Material Bond form for the Contractor’s use.

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

3.12.5 Correction of Contractor's Insurance or Bond Deficiencies

If FRSA determines that the Contractor's insurance or bond documentation does not conform to these specifications, FRSA 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 FRSA's deficiency notice, he shall be in default.

3.12.6 Indemnification Clause

Contractor shall protect, indemnify, hold and save harmless and defend FRSA, 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 FRSA, 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 FRSA 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 FRSA.

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 FRSA, its employees, or agents shall be deemed a waiver by FRSA of full compliance with the requirements of the Contract. This indemnification shall not be limited by the required minimum insurance coverages in the Contract.

3.13 Tax Exemption

FRSA 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. FRSA's tax exemption number is E9992-3696-06. The bidder shall include all other applicable taxes in his bid price.

Article 3 – Detailed Specifications

1. GENERAL

1.1 General

This article contains detailed specifications relating to Proposal items. The work to be done under each item is discussed along with units for payment and measurement for payment. However, the descriptions given do not necessarily outline all the work to be done under any item. In addition, work shall conform to the following *Technical Specifications*; *Standard Specifications for Water and Sewer Main Construction in Illinois*, current edition, and *Four Rivers Sanitation Authority (FRSA) General Provisions and Technical Specifications for Sanitary Sewer Construction*. When referenced, work shall conform to the *Illinois Department of Transportation's (IDOT) Standard Specifications for Road and Bridge Construction*, current edition.

Throughout these specifications, the term “Owner,” “Engineer” and “FRSA” shall be synonymous. In case of apparent contradictions between Section I, Article 3 - Detailed Specifications, IDOT Standard Specifications, and General Provisions and Technical Specifications for Sanitary Sewer Construction, Section I, Article 3 - Detailed Specifications shall govern.

Any construction not observed by FRSA may be considered ineligible for payment.

The general location of the proposed sewer is governed by existing field conditions. Minor variations in alignments may be made to facilitate construction operations with prior FRSA approval.

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

Work areas and open excavation shall be protected, at a minimum with temporary construction fence, at the end of each day.

The Contractor shall be solely responsible for the safety of all operations, and comply with all state, local, and OSHA regulations. The Contractor's workforce shall include a person competent in ensuring compliance with all pertinent OSHA regulations and requirements. This person must be present on-site at all times during construction and must be able to take any prompt preventative or corrective actions needed to avoid, prevent or mitigate existing and potential hazardous working conditions. The means and methods required to comply with all safety regulations are the sole responsibility of the Contractor. FRSA staff is not responsible for the Contractor's compliance procedures, nor will be considered a competent safety person on-site.

The Contractor shall be responsible for all tests of materials and final installation required by FRSA. All Quality Control material testing, subgrade compaction testing, subbase granular material compaction testing, and trench backfill compaction testing shall be performed by the Contractor. Costs associated with material testing by the Contractor will not be paid for separately but shall be included in the various pay items associated with the

scope of work. All deficiencies noted by FRSA shall be corrected by the Contractor at no additional cost to the FRSA and prior to final payment.

The Contractor shall have a temporary concrete washout basin installed onsite at a location approved by the FRSA. The facility shall comply with the Illinois Urban Manual Practice Standard Code 954. This work shall include furnishing, maintaining, and removing a suitable concrete wash-out container. Concrete shall not be placed until this container is available for use.

The Contractor shall not damage, disturb, remove or otherwise eliminate any survey monument, monument tie, lot pin, right-of-way marker, etc., until the exact locations have been recorded by a Professional Land Surveyor currently licensed in the State of Illinois. The Contractor shall enlist the services of a registered Illinois Professional Land Surveyor to locate, document and restore/reset any and all monuments damaged or disturbed as a result of construction. No separate payment will be made for this work.

Suppliers shall implicitly warrant that their products and product components are suitable and appropriate for the intended use and that they are free from all material, design, or workmanship defects. Said warranty shall insure to the benefit of FRSA. The foregoing shall apply to all products and product components, whether constructed as directed by the Contract documents or produced by an outside source.

1.2 Working Hours

No work shall be permitted on Sundays or FRSA-observed holidays without prior approval by the FRSA Engineering Department. The Contractor shall adhere to municipal noise ordinances.

1.3 Access

The Contractor shall be responsible for the temporary access and maintenance of all roadways, driveways, entrances, sidewalks, and ramps for the duration of construction. The Contractor shall coordinate all traffic control with the City of Rockford Public Works Department, Engineering Division. Roads shall remain open to the local public as feasible. If short term closures are necessary, temporary detours shall be installed for the guidance of local traffic. The Contractor shall provide traffic control personnel and/or equipment, as required, to clearly delineate traffic routing through the work zones for all local residents. Any detour signage or additional traffic control appurtenances required by the roadway authority shall be at no additional cost to the FRSA.

When work is suspended due to weather, the Contractor shall clean up all work areas and ensure that proper surface drainage is provided before leaving the site.

It shall be the Contractor's responsibility to obtain any additional temporary or permanent access, storage, or construction easements or agreements deemed necessary from property owners prior to performing the work as shown in the plans.

The contractor shall be responsible for temporarily relocating mailboxes that are affected by construction, with the approval of the United States Postal Service. Mailboxes shall be accessible at all times. Proper notification shall be given by the contractor to the owner and the USPS prior to relocating a mailbox to a temporary location, or from a temporary

location to a permanent location. All work associated with temporary or permanent mailbox relocation shall be at no additional cost to the FRSA.

1.4 Construction Limits

All construction limits shown on the plans shall be adhered to by the Contractor. Any damages to appurtenances outside of those limits, including but not limited to pavements, curbs, drainage pipes/structures, signs, landscaped/turf areas, signs, mailboxes, retaining walls, trees, and/or any treatment plant facilities, shall be restored and/or repaired to FRSA's satisfaction at no additional cost to the FRSA.

1.5 Utilities and Utility Locates

Utility locations shown on the plans are based on record information or information obtained at the time of design and are not guaranteed. The location and/or elevation of existing underground utilities, such as sanitary sewers, sanitary services, gas mains, gas services, water mains, water services, electric lines, fiber optic/communications lines and conduit banks, etc., shall be determined by the Contractor. The Contractor shall assume full responsibility for the location of all utilities. The Contractor shall exercise extreme care when excavating near underground utilities to avoid damage; any damage done to utilities shall be repaired or replaced at the Contractor's sole expense. The Contractor shall be solely responsible for the protection, restraint and support of all utilities. The Contractor shall protect utilities and shall contact the utility for protection procedure and schedule coordination. All costs associated with the protection of utilities (including tunneling, restraint, bracing, supporting, sheathing, etc.), whether by the contractor or utility company, shall be at no additional cost to the FRSA. All costs associated with working within the constraints caused by the location of utilities (including removing and re-setting trench boxes to avoid utility service lines) shall be at no additional cost to the FRSA.

1.6 Clearing and Site Preparation

The Contractor shall clear and prepare the site within the construction limits as needed or required to facilitate the work to be performed. Clearing and preparation shall be in accordance with Section 201 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*. Clearing shall consist of removal and proper disposal of all existing materials encountered, including but not limited to, shrubs, brush, vines, roots, downed timber, mulch, and undergrowth.

Trees shall be defined per Article 201.02 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*. All trees shall be protected from damage during construction.

The costs associated with clearing, grubbing, brush & sapling removal, protection and care of existing plant materials, and repair or replacement of existing plant materials shall not be paid for separately but rather shall be included in the various pay items of this contract.

1.7 Cleanup & Restoration

Upon completion of the work, the Contractor shall clean up, remove, and properly dispose of all construction debris, waste or excavated materials, spoils, equipment, machines, temporary concrete washouts, layout stakes, etc. from the entire project area. Excavated

materials shall not be stored or placed upon paved surfaces. All pavement and sidewalk surfaces shall be kept free and clear of dirt and construction debris and shall be blown or swept. The Contractor shall restore all disturbed areas to near-original contour and state (unless otherwise indicated in the Contract Documents), graded to a neat, well drained condition.

1.8 Submittals

The Contractor shall submit to the Engineer the items under 'Required Submittals' of each special provision prior to beginning any work. The Contractor shall:

1. Review each submittal.
2. Verify field dimensions.
3. Verify compliance with Contract Documents.
4. Sign and stamp submittals to certify Contractor's review and approval.
5. Deliver reviewed submittals to FRSA for approval by the Engineer.

The Contractor shall allow two (2) weeks for FRSA to review submittals. FRSA reserves the right to delay review of interrelated submittals until all submittal components have been received. No Contract extension will be authorized due to the Contractor's failure to provide sufficient time for FRSA to perform a thorough review of submittals. FRSA's approval of a submittal shall not be considered an order for additional, extra, or differing work, nor a guarantee of the accuracy of the information or the effectiveness of the products outlined in the submittal. No work shall be fabricated by order of the Contractor, unless at the Contractor's risk, until review of submittals has been completed by FRSA. When the Contract Documents call for work to be performed in accordance with the manufacturers' instructions, the manufacturers' instructions shall also be considered required submittals.

The Contractor's proposed sequence of work shall be outlined in the Project Schedule and submitted for approval prior to beginning any work. The Contractor is responsible for developing the means, methods, and procedures for all work and is responsible for compliance with all OSHA, EPA, and DOT regulatory requirements.

1.9 Required Submittals

1. Project Schedule

1.10 Basis of Payment

No payment shall be made for the work included in this provision, rather the cost of this work shall be included in the various pay items of this contract.

2. PERMIT REQUIREMENTS

2.1 General

All work within public Right-of-Ways shall be subject to the regulations and requirements of the jurisdictional agencies. Should conflicts or contradictions arise between the plans, specifications and Right-of-Way permits, the permits shall govern.

The Contractor shall comply with the requirements of any and all permits obtained and required for the construction of this project, including but not limited to, those from all jurisdictional roadway authorities. The following agency contacts are provided for the roadways impacted by this project:

| Roadway Authority | Contact | Phone | Email |
|-------------------|------------------|----------------|--|
| City of Rockford | Jordan Masemoore | (779) 348-7634 | Jordan.masemoore@rockfordil.gov |

Unless otherwise noted, the Contractor shall be responsible for securing all necessary permits and for all bonds, insurance, etc., and all fees required by any and all permits. Copies of all Contractor-secured permits shall be provided to the FRSA prior to the start of construction.

Prior to tree trimming or removal within City of Rockford Right-of-Ways, the Contractor shall submit a Tree Maintenance Permit to the City of Rockford Forestry Supervisor at 523 S. Central Ave., Rockford, IL 61102. All tree removal and/or trimming shall be in accordance with the City of Rockford Forestry Division's requirements. Contact Taylor Hennelly of the Forestry Division, forty-eight (48) hours prior to performing tree removal or trimming operations at taylor.hennelly@rockfordil.gov.

No trees located on private property shall be disturbed in the construction of this project without written permission from the property owner.

2.2 Required Submittals

1. Copies of issued permits.

2.3 Basis of Payment

No payment shall be made for costs associated with **PERMIT REQUIREMENTS**, rather the cost of this work shall be included in the various pay items of this contract.

3. NOTIFICATION, ACCESS, AND SPECIAL CONSIDERATIONS

3.1 General

The Contractor shall notify all utility companies prior to beginning any work. All underground utilities shall be located by the utility owner and special care shall be taken when excavating near underground utilities to avoid damage. Contractor shall call JULIE at (800) 892-0123 for utility locations in the project area, forty-eight (72) hours, minimum, prior to construction. If permits require more advanced notification measures, permits shall govern.

The Contractor shall notify FRSA, the roadway authority, and all applicable school and emergency services agencies 7 business days prior to beginning construction operations. All construction activities affecting driveways or resident access shall be coordinated in advance with individual property owners.

The Contractor shall make every effort to maintain the current level of sanitary sewer service for the duration of the project. Property owners shall not be without sewer service for more

than eight (8) hours. A public notification program shall be implemented and, shall as a minimum, require the Contractor to be responsible for contacting each home or business affected and informing them of the work to be conducted and when the sewer will be out of service.

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 cleanup work areas before leaving the site.

3.2 Access

The proposed work will disturb private property. Disturbance necessary to expose the limit of public sanitary sewer service pipe is allowed under license for the FRSA to perform the proposed repairs. This license does not provide for equipment access, stockpiling of materials, or use of private property in any other way. Contractor shall minimize disturbance to private property by any means necessary.

It shall be the Contractor's responsibility to secure any temporary access, storage or construction easements needed to perform the work on private property from the individual property owners. The cost of obtaining these items shall be considered incidental to the work.

3.3 Required Submittals – Not Used.

3.4 Basis of Payment

No payment will be made for costs associated with **NOTIFICATION, ACCESS, AND SPECIAL CONSIDERATIONS**, rather the cost of this work shall be included in the various pay items of this contract.

4. CONSTRUCTION LAYOUT

4.1 General

This work shall be in accordance with 2024 *IDOT Recurring Special Provision Check Sheet #9: Construction Layout Stakes* and the Contractor shall provide all construction layout for this project to the lines and grades shown on the plans.

Reference points for the survey centerline and benchmarks are shown on the plans. FRSA will assist in periodic layout checks, particularly before any pavement or curb is placed.

4.2 Materials - Not used.

4.3 Required Submittals - Not used.

4.4 Basis of Payment

This work shall be paid for at the contract unit price per lump sum (LSUM) for **CONSTRUCTION LAYOUT**, complete.

5. INLET FILTERS

5.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 280 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*. This work shall include all equipment, materials, labor, transportation, and workmanship for inlet filters as shown on the plans.

This work shall be in accordance with the Illinois Urban Manual IUM-561D detail.

This work shall include the furnishing, installation, maintenance, and removal of inlet filters. All required inlet filters shall be installed prior to any excavation taking place.

Any additional inlet filters not shown on the plans that are required due to the Contractor's actions or negligence shall be provided at no additional cost to the FRSA. The Contractor shall remove and dispose of all inlet filters within 30 days of final site stabilization and approval by the FRSA.

5.2 Materials

Inlet filters shall be in accordance with Article 1081.15(h) of the *IDOT Standard Specifications for Road and Bridge Construction, current edition* and the appropriate detail included in the plans.

5.3 Required Submittals

Material certifications for inlet filter products.

5.4 Basis of Payment

This work shall be paid for at the contract unit price per each (EACH) for **INLET FILTERS**.

6. PAVEMENT REMOVAL

6.1 General

This work shall consist of removing existing bituminous and/or PCC roadway pavement and/or driveway pavement of various depths as required to construct this project. This work shall conform to *Section 440* of *IDOT Standard Specifications*. Pavement shall be saw-cut full depth prior to removal. Areas of removed pavement shall be square or rectangular in shape.

6.2 Required Submittals – Not used.

6.3 Basis of Payment

This work shall be paid for at the contract unit price per Square Yard (SQ YD) for **PAVEMENT REMOVAL**.

7. SANITARY SEWER

7.1 Description

This work shall conform to FRSA requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to install sanitary sewer as shown on the plans.

This work shall be in accordance with the FRSA Standard Detail Sheet.

Work includes all dewatering, mobilization, testing, site preparation, connection to existing manholes, bypass pumping, earth excavation, trench backfill and compaction, pipe bedding, temporary sewer main connections, temporary sewer main plugs, installing new sewer pipe (various sizes and types, as required) on grade and in line according to the plans and specifications. The work also includes grading and dust control, and all other materials, labor, supervision, transportation, services, and all else that is necessary for the completion of the work and not included elsewhere. Utility relocation shall be included in the work covered in this item unless specifically provided for elsewhere.

Any permits required to perform dewatering work on this project shall be secured by the Contractor; it shall be his/her responsibility to provide any bonds, insurance's, guarantees, etc., as required by said permit(s). Abandonment of dewatering facilities shall be performed in accordance with pertinent State and County requirements. All dewatering shall be incidental to sanitary sewer pipe and will not be paid for separately.

Sanitary sewer pipe construction that varies +0.05 feet from the proposed grade and/or +0.15 feet from the proposed line will not be accepted. This does not preclude the FRSA from requiring closer tolerances in the field, nor does it create any obligation for the FRSA to establish the grade or line during construction. The Contractor is solely responsible for maintaining proper lines and grades for the work. The Contractor shall provide at least one laser device for setting lines and grades for subgrade and pipe invert on all parts of the work. The device(s) shall be of acceptable design and maintained in good working condition throughout the length of the project. The Contractor shall employ workmen with the expertise to operate the device(s). The laser device(s) shall be considered as a convenience to the Contractor and will be operated at no extra cost to the FRSA. The Contractor shall also provide, and have available on site at all times, a calibrated level and level rod.

This work shall include temporary connections when required by construction staging. Temporary connections shall be approved by the FRSA inspector and shall ensure adequate sanitary service until the permanent connections can be made. Temporary connections shall be made beyond the staged construction line at a location adequate to protect any items or permanent surfaces from any damage that are to be constructed between the time the temporary connection is made and the time that it is removed and the installation of the sanitary sewer is resumed. All temporary connections shall be considered incidental to this item.

Pipe Bedding:

Pipe bedding for flexible pipe shall be per the FRSA 'Flexible Pipe Bedding Detail' on the FRSA Standard Detail Sheet. Crushed stone pipe bedding for flexible pipe shall be IDOT CA-7 gradation conforming to ASTM Standard D2321 Class IA. Bedding material for

flexible pipe shall be placed from six inches (6") minimum below the bottom of the pipe to the spring line of the pipe and shall be haunched in place along the lower side of the pipe, ensuring that all voids are eliminated. Bedding material shall be placed from the spring line of the pipe to twelve inches (12") minimum above the top of the pipe or as required by the pipe manufacturer.

Trench Backfill:

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 the FRSA's General Provisions and Technical Specifications for Sanitary Sewer Construction T.S. 2:4-c. Select trench backfill under said structures shall be IDOT gradation FA-6, mechanically-compacted in twelve inch (12") maximum loose lifts to the sub-grade elevation of the road shoulder, sidewalk, driveway, parking lot or other pavement. Materials shall be in accordance with Article 1003.04 and Section 208 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. Select trench backfill shall be mechanically compacted with a vibratory plate, vibratory roller, or other approved equipment-mounted compaction equipment. Water-jetting, ponding or flooding will not be permitted as a means of trench compaction on this project.

All select trench backfill shall be compacted to ninety-five percent (95%) of Standard Proctor density; all other backfill shall be compacted to ninety percent (90%) minimum of Standard Proctor density. Compaction shall be according to Method 1 of Article 550.07 of the *IDOT Standard Specifications*. All compaction tests shall be performed at the Contractor's expense by an approved, independent geotechnical-testing firm. Compaction testing shall occur on the first full day of backfilling operations. The independent testing firm shall work with the Contractor to establish appropriate and adequate compaction methods and patterns. Trench backfill moisture content shall be modified if necessary and as operations progress. If the tests do not meet the compaction requirements specified above, the area shall be both re-compacted and re-tested at the Contractor's expense until the test requirements are met.

If initial tests indicate compaction requirements are being met, no further lift testing will be required unless the method, equipment, or material (including moisture content) 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.

Contractor shall properly dispose of all spoil at no additional cost to FRSA. The Contractor shall exercise care not to disturb any existing utilities during backfilling and compaction operations. The Contractor shall use reasonable care while backfilling over the sewer. No materials such as rocks or boulders shall be allowed to be dropped directly on the sewer pipe. If these materials are present in the backfill, the Contractor shall bring bedding material to a point 24" above the crown of the pipe. The cost of this additional granular material shall be considered incidental to this item.

Low Pressure Air Testing:

All new sanitary mains and services that are not connected to buildings shall be low pressure air tested prior to final acceptance. Low-pressure air testing of sanitary sewers shall use an allowable timed pressure drop of 0.5 psig.

Minimum Specified Time Required for a 0.5 psig Pressure Drop For Size and Length of Pipe Indicated for Q=0.0015

| 1 Pipe Diameter (inches) | 2 Minimum Time (min:sec) | 3 Length For Minimum Time (ft.) | 4 Time for Longer Length (sec.) | Specification Time for Length (L) Shown (min:sec) | | | | | | | |
|-----------------------------------|-----------------------------------|---|---|---|---------|---------|---------|---------|---------|---------|---------|
| | | | | 100 ft. | 150 ft. | 200 ft. | 250 ft. | 300 ft. | 350 ft. | 400 ft. | 450 ft. |
| 4 | 1:53 | 597 | .190 L | 1:53 | 1:53 | 1:53 | 1:53 | 1:53 | 1:53 | 1:53 | 1:53 |
| 6 | 2:50 | 398 | .427 L | 2:50 | 2:50 | 2:50 | 2:50 | 2:50 | 2:50 | 2:51 | 3:12 |
| 8 | 3:37 | 298 | .760 L | 3:37 | 3:37 | 3:37 | 3:37 | 3:38 | 4:26 | 5:04 | 5:42 |
| 10 | 4:43 | 239 | 1.187 L | 4:43 | 4:43 | 4:43 | 4:57 | 5:56 | 6:55 | 7:54 | 8:54 |
| 12 | 5:40 | 199 | 1.709 L | 5:40 | 5:40 | 5:42 | 7:08 | 8:33 | 9:58 | 11:24 | 12:50 |
| 15 | 7:05 | 159 | 2.671 L | 7:05 | 7:05 | 8:54 | 11:08 | 13:21 | 15:35 | 17:48 | 20:02 |
| 18 | 8:30 | 133 | 3.846 L | 8:30 | 9:37 | 12:49 | 16:01 | 19:14 | 22:26 | 25:38 | 28:51 |
| 21 | 9:55 | 114 | 5.235 L | 9:55 | 13:05 | 17:27 | 21:49 | 26:11 | 30:32 | 34:54 | 39:16 |
| 24 | 11:20 | 99 | 6.837 L | 11:24 | 17:57 | 22:48 | 28:30 | 34:11 | 39:53 | 45:35 | 51:17 |
| 27 | 12:45 | 88 | 8.653 L | 14:25 | 21:38 | 28:51 | 36:04 | 43:13 | 50:30 | 57:42 | 46:54 |
| 30 | 14:10 | 80 | 10.683 L | 17:48 | 26:43 | 35:37 | 44:31 | 53:25 | 62:19 | 71:13 | 80:07 |
| 33 | 15:35 | 72 | 12.946 L | 21:33 | 32:19 | 43:46 | 53:42 | 64:38 | 75:24 | 86:10 | 96:57 |
| 36 | 17:00 | 66 | 15.384 L | 25:39 | 38:28 | 51:17 | 64:06 | 76:55 | 89:44 | 102:34 | 115:2 |

Pipe Deflection Testing:

After sewer installation, backfilling and compaction, all flexible sanitary main pipe shall be thoroughly cleaned and flushed with water and then, if not previously deflection tested as elsewhere specified herein, the installed pipe shall be deflection tested by the Contractor at his own expense, and in a manner acceptable to the FRSA. Deflection testing shall be performed at least thirty (30) days after the trench has been backfilled unless otherwise approved by FRSA.

Testing of all sanitary mains shall be done with a fixed or adjustable steel deflection gauge. The diameter of the gauge shall be set at ninety-five percent (95%) of the undeflected inside diameter of the flexible pipe. The deflection gauge shall stop at any area in a flexible underground pipeline having vertical ring deflection greater than five percent (5%).

If possible and practical, the testing shall initiate at the downstream lines and proceed towards the upstream lines. Where deflection is found to be in excess of five percent (5%) of the original pipe diameter, the Contractor shall excavate to the point of excess deflection and carefully compact around the point where excess deflection was found. The line shall then be retested for deflection. However, after the initial testing, should the deflected pipe fail to return to the original site (inside diameter) the line shall be replaced.

7.2 Materials

1. Water main quality PVC pipe shall be:
 - a. PVC SDR 26 having a pressure rating of 160 psi with a pipe stiffness of 115 psi meeting the requirements of ASTM D2241. Joints shall meet the requirements of ASTM D3139.
2. Water main quality PVC fittings shall be:
 - a. Gasketed SDR 26 meeting the requirements of ASTM D2241, ASTM D2665, and ASTM D3139.
3. Crushed stone pipe bedding shall be IDOT CA-7 gradation conforming to per ASTM Standard D2321 Class 1A.
4. Select trench backfill shall be IDOT gradation FA-6.

7.3 Required Submittals

1. Pipe and fitting material specifications.
2. Material gradation certificates for pipe bedding material.
3. Material gradation certificates for trench backfill material.
4. Contractor trench settlement guarantee letter.

7.4 Method of Measurement

This work shall be measured horizontally along the centerline of the pipe from center of manhole lid to center of manhole lid. When the sanitary sewer connects to an existing sewer, the measurement shall be from the point of connection to the center of manhole lid.

7.5 Basis of Payment

This work shall be paid for at the contract unit price foot (FOOT) for **SANITARY SEWER**, of the diameter and type specified.

8. SANITARY MANHOLES TO BE REMOVED & REPLACED

8.1 Description

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to remove and replace sanitary manholes of various sizes as shown on the plans.

This work shall be in accordance with the FRSA Standard Detail Sheet.

This work shall consist of removing existing sanitary sewer manholes of various diameter or size, including outside drop manholes, and replacing with new precast manholes of various sizes as required to construct this project. This work shall consist of furnishing all materials, castings, casting seals, exterior joint seals, accessories, outside drop connections, connection to existing sanitary sewers, testing, equipment, tools, transportation,

excavation, dewatering, bypass pumping, trench backfill, services and performance of all operations required to construct sanitary manholes as shown and detailed on the plans or as directed by the FRSA, all in accordance with *Article 6:3 and 7 of the Technical Specifications*, and the pipe manufacturers requirements.

Manhole Removal

Any existing sanitary sewers to be abandoned as part of the manhole removal shall be bulkheaded with a watertight plug at the limits of removal. This work shall conform to Section 605.03 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

This work shall include all equipment, materials, testing, labor, transportation, and workmanship to remove and dispose of sanitary manholes as shown on the plans.

This work shall include all excavation, trench backfill and compaction, in accordance with all applicable IDOT provisions and specifications.

Manhole Replacement

This work shall include all equipment, materials, labor, transportation, workmanship, connection to existing sanitary sewer pipes, shear resistant transition couplings and piping, as required, reworking existing manhole inverts and/or benches as required, manhole core-drills, all manholes of the sizes and types required, dewatering, manhole frame & lids, and manhole adjustments.

This work may include rotating the cone section to a specific direction and removing and installing new steps, as directed by the Engineer.

This work shall include all trench backfill and compaction, as required, in accordance with all applicable IDOT provisions and specifications. Rock excavation will be paid for as outlined in **ROCK EXCAVATION FOR SANITARY SEWERS**.

Flat tops will not be permitted on 4- and 5-foot diameter manholes; eccentric cone sections must be a component of these manholes.

All sanitary sewer manholes shall be vacuum tested per ASTM C-1244 Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test prior to final acceptance.

The Contractor shall field verify all rim and invert elevations shown in plans, as these are approximate. The top of the precast cone section shall be at an elevation to allow for adjustment of frame (12" maximum) without disturbing precast cone section. The Contractor shall be responsible for determining the configuration of new barrel and/or cone sections required to meet the requirements of the FRSA Standard Detail Sheet.

Replacement manholes shall be constructed and follow all specifications outlined in **SANITARY MANHOLES** special provision (Section I, Article 3).

8.2 Required submittals

1. Manhole adjustment ring material specifications.
2. Manhole adjustment ring sealant material specifications.

3. Manhole exterior adjustment seal (chimney seal) material specifications.
4. Manhole frame and lid material specifications.
5. 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 elevations and sizes of all pipe openings. A plan view shall be provided showing the orientation of pipe openings.
6. Manhole barrel and cone joint sealant material specifications.
7. Manhole barrel and cone external joint seal material specifications.
8. Manhole step material specifications.
9. Pipe to manhole connector specifications.
10. Pipe material specifications (for connections to existing sewers).
11. Pipe transition coupling material specifications.
12. Material gradation certificates for pipe bedding.
13. Material gradation certificates for trench backfill.

8.3 Basis of Payment

This work shall be paid for at the contract unit price per Each (EACH) for **SANITARY MANHOLES TO BE REMOVED & REPLACED**, of the size specified, complete in place.

9. SANITARY MANHOLES

9.1 General

This work shall conform to FRSA requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to install sanitary manholes as shown on the plans.

This work shall be in accordance with the FRSA Standard Detail Sheet.

This work shall consist of furnishing all materials, castings, casting seals, exterior joint seals, accessories, connection to existing sanitary sewers, equipment, tools, transportation, testing, excavation, trench backfill, services and performance of all operations required to construct four-foot (4') and/or five-foot (5') inside diameter manholes as shown and detailed on the plans or as directed by the FRSA, all in accordance with Article 6:3 and 7 of the Technical Specifications, and the pipe manufacturers requirements.

This item shall include all materials, labor, transportation, connection to existing sanitary sewer pipes, shear resistant transition couplings and piping, as required, reworking existing manhole inverts and/or benches as required, manhole core-drills, all manholes of the sizes and types required, dewatering, manhole frame & lids, and manhole adjustments. The contractor shall verify all existing pipe sizes and materials.

This work shall include all excavation, trench backfill and compaction, in accordance with all applicable IDOT provisions and specifications.

Flat tops will not be permitted on four- and five-foot diameter manholes; eccentric cone sections must be a component of these manholes.

All sanitary sewer manholes shall be vacuum tested per ASTM C-1244 Standard Test Method for Concrete Sewer Manholes by the Negative Pressure (Vacuum) Test prior to final acceptance.

Manhole Connections

The Contractor shall field verify all alignments, elevations, sizes, and materials of all existing pipes to be connected. For manhole replacements, or when existing pipes are to be connected, precast concrete manhole bottom sections shall have only the out flow pipe hole precast prior to delivery to the site. All other openings shall be core drilled at the field verified correct and exact alignment and elevation. Alignment and elevation of manhole openings for pipes shall be verified after the existing manhole is removed. Connections to pipes shall be made with a flexible pipe to manhole connector that shall be installed in the field for the incoming pipes.

Manhole openings for pipe connections shall be 4 inches minimum from the nearest barrel joint. The manhole bottom, barrel, and cone section height configurations shall be such that 4 inches of clear space can be achieved between the pipe openings and the nearest barrel joint.

Pipe connections to new manholes shall be made by means of a watertight flexible pipe to manhole connector. 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 FRSA approved equivalent).

All connections from the new manholes to existing sewer shall be made with PVC SDR 26 pipe (ASTM D2241, ASTM D3139) or as shown on the plans. A minimum of 3.0' of new PVC pipe shall be installed. All costs required to connect the manhole to the existing sewer(s) shall be included in this item and will not be paid for separately.

Sanitary service/main connections downstream of manholes shall be made a minimum of 7 feet from the outside of the manhole wall. There is no minimum distance for services connected upstream of manholes. All pipe and fittings required to connect services outside of a manhole (downstream or upstream) shall be included in this item and will not be paid for separately.

The Contractor shall construct a paved manhole bench in each manhole per the standard details or per the Engineer's direction. Manhole benches shall have a minimum slope of two inches (2") per foot.

Manhole steps

FRSA approved manhole steps shall be provided with a maximum spacing of 16".

Manhole Adjustment

Manhole adjustment shall consist of furnishing and installing new adjusting rings as required, furnishing and installing new frames and lids, and furnishing and installing exterior manhole adjustment seals.

This work shall include adjusting manhole frames to finish grade. The frame and lid shall be set 1/4 inch min. to 3/8 inch max. below final grade in pavement and at final grade in turf areas.

The combination of new adjusting rings shall be such that the minimum number of rings possible are used.

Allowable types of adjusting rings include precast concrete and expanded polypropylene (EPP). These can be used in conjunction with each other, except that a precast concrete ring shall not be placed over an EPP ring.

For precast concrete adjusting rings:

All adjusting ring joints, as well as the joint between the frame and adjustment ring, shall be sealed watertight by means of an all-weather rubber butyl sealant designed for the purpose of sealing concrete structures water-tight. The adjusting ring surface shall be dry and free of foreign material. The surface shall be dried and heated with a weed burner when outside temperatures are less than optimum for adhesion of the sealant to the concrete.

Frames in the roadway shall be pitched to match the slope of pavement. EPP taper rings are required when frames are pitched.

For expanded polypropylene (EPP) adjusting rings:

The use of EPP adjustment rings shall be according to Sections 602 and 1043 of the IDOT Standard Specifications, and Supplemental Specifications & Recurring Special Provisions, most recent edition. The EPP adjustment rings shall be installed according to the manufacturer's instructions. If the top surface of the manhole is not level, even, or is irregular, a non-shrink grout shall be placed to create a level surface and the first EPP ring shall be bedded and leveled in the non-shrink grout. The joints between the manhole, all adjustment rings, and the frame shall be sealed with the manufacturer's recommended/specified adhesive. The top ring shall be a 'finish ring' when pitching the frame is not necessary.

Frames in the roadway shall be pitched to match the slope of pavement. The top ring shall be a tapered 'adjustment' ring when pitching the frame is required. Shimming is not an acceptable method of pitching when using EPP rings. The upper most ring shall have grooves on the lower surface and a flat upper surface.

External adjustment seals are required, regardless of the type of adjustment rings used. Heat shrinkable adjustment seals shall not be used with EPP rings.

The maximum height of adjustment shall be 12 inches. The distance between the top of the frame to the first manhole step shall be no more than 30 inches. A maximum of one (1) 2 inch adjusting ring will be allowed.

The Contractor shall install an FRSA-approved exterior adjustment seal on all manholes as shown on the FRSA Standard Detail sheet.

9.2 **Materials**

1. Adjusting rings:

- a. Precast concrete adjusting rings shall be standard reinforced concrete pipe pattern and shall conform to ASTM C478 and ASTM C139. There shall be no spalled edges or cracks. Precast concrete adjusting rings shall be size 4-inch height or greater.
- b. Expanded polypropylene (EPP) rings shall be in accordance with Section 1043 of the IDOT Standard Specifications.

2. Adjusting ring sealant:

- a. Precast concrete adjusting ring sealant shall be a flexible rubber butyl pre-formed sealant designed for the purpose of making concrete structure joints water-tight. Material shall conform to ASTM C990.
 - b. EPP ring sealant used for watertight installation of the EPP rings shall meet ASTM C 920, Type S, Grade NS, Class 25, uses NT, T, M, G, A, and O.
3. Manhole exterior adjustment seals (chimney seals) shall be of a rubber compound in accordance with ASTM C-923 and shall have two stainless steel compression bands also in accordance with ASTM C-923.

4. Manhole frames & lids:

Manhole frames and lids shall be per the approved frames and lids in the table below:

| Approved Frames & Lids | | | | |
|------------------------|--------------|-------------|-------------------|-----------------|
| Type | Neenah Frame | Neenah Lid | East Jordan Frame | East Jordan Lid |
| Regular | 1670-2004 | R-1670-0358 | 00111711 | 00111732 |
| Low Profile | 1670-2008 | R-1670-0358 | --- | --- |
| Bolt Down * | 1915JT08 | | --- | --- |

* For manholes connected to mains 18" diameter or larger, or for manholes located in flood prone areas, frames & lids shall be the bolt down type.

5. Precast concrete barrel and cone sections shall conform to ASTM C478 and shall be free of spalling or cracks. All 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.
6. Precast concrete barrel and cone joint sealant shall be a flexible rubber butyl pre-formed sealant designed for the purpose of making concrete structure joints water-tight. Material shall conform to ASTM C990.
7. Precast concrete barrel and cone external joint seals shall be a single, full circumference compression band in accordance with ASTM c-877 (Type II); MarMac MacWrap or approved equal.

8. Manhole steps shall be 10 inches long & 12 inches wide in accordance with ASTM C-478; Neenah R-1982-F, M.A. Industries PS-1, or approved equal.
9. Flexible pipe to manhole connectors shall meet the requirements of ASTM C923. Integrally cast and expandable gaskets are acceptable.
10. All connections from the new manholes to existing sewer shall be made as shown on the plans. A minimum of 3.0' of new pipe shall be installed.
11. Clay to PVC and cast iron or ductile iron to PVC pipe transition couplings shall be Fernco 5000 series shear resistant or approved equivalent 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.
12. Crushed stone pipe bedding shall be IDOT CA-7 gradation conforming to Class IA per ASTM Standard D2321.
13. Select trench backfill shall be IDOT gradation FA-6.

9.3 Required Submittals

1. Manhole adjustment ring material specifications.
2. Manhole adjustment ring sealant material specifications.
3. Manhole exterior adjustment seal (chimney seal) material specifications.
4. Manhole frame and lid material specifications.
5. 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 elevations and sizes of all pipe openings. A plan view shall be provided showing the orientation of pipe openings.
6. Manhole barrel and cone joint sealant material specifications.
7. Manhole barrel and cone external joint seal material specifications.
8. Manhole step material specifications.
9. Pipe to manhole connector specifications.
10. Pipe material specifications (for connections to existing sewers).
11. Pipe transition coupling material specifications.
12. Material gradation certificates for pipe bedding.
13. Material gradation certificates for trench backfill.

9.4 Basis of Payment

This work shall be paid for at the contract unit price Each (EACH) for **SANITARY MANHOLES**, of the size specified, complete in place.

10. SANITARY SEWER SERVICE REPLACEMENT

10.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to replace sanitary sewer services as shown on the plans. This work shall consist of the removal and replacement of sanitary sewer services from the sewer main to the right-of-way line, property line (or other FRSA-approved service terminus) as shown on the plans, or as directed by the FRSA, with service clean out risers as shown or directed.

This work shall be in accordance with the FRSA Standard Detail Sheet.

Existing sanitary services are of various diameters and materials. All fittings required to connect to existing sanitary sewer services of various sizes and diameters shall be included in the cost of this work. Connection shall be made to a structurally sound pipe. Connection to the existing sewer service shall not be made until the FRSA Inspector has verified the structural condition.

This work shall include temporary connections when required by construction staging. Temporary connections shall be approved by the FRSA Inspector and shall ensure adequate sanitary service until the permanent connections can be made. Temporary connections shall be made beyond the staged construction line at a location adequate to protect any items or permanent surfaces from any damage that are to be constructed between the time the temporary connection is made and the time that it is removed and the installation of the sanitary sewer is resumed. All temporary connections shall be considered incidental to this item.

The location and type of existing sewer services is based upon TV logs and record information, and the proposed service connection is based upon that location. Should the service connection alignment, size, diameter, material, or point of connection vary from that shown in the plans, no claims for additional compensation will be entertained. The Contractor shall field-verify the location of all existing sanitary sewer services. The actual sewer service locations may vary from those shown on the plans. No additional payment will be awarded for changes in service locations.

Utility relocation, repair, protection or restraining, and trench dewatering shall be included in the work covered in this item unless specifically provided for elsewhere.

All work shall be performed in accordance with State and local plumbing codes.

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 when required.

Replacement sewer service shall be constructed and follow all specifications outlined in **SANITARY SEWER SERVICE** special provision (Section I, Article 3).

10.2 Materials

1. Sanitary sewer service pipe shall be SDR 26 WMQ PVC meeting the requirements of ASTM D2241. Joints shall meet the requirements of ASTM D3139.
2. Fittings:
 - a. Water main quality PVC fittings shall be gasketed SDR 26 meeting the requirements of ASTM D2241, and ASTM D3139.
 - b. The cleanout riser cap shall be a PVC DWV threaded cap.
3. 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, or approved equivalent). The transition shall be made on existing pipe that is structurally sound.
4. Clean out frames and lids shall be Neenah R-1674-A or East Jordan 00157410 & 00157421.
5. Underground magnetic utility markers shall be Berntsen International DEEP1UG or approved equal.
6. Crushed stone pipe bedding shall be IDOT CA-7 gradation conforming to Class IA per ASTM Standard D2321.
7. Select trench backfill shall be IDOT gradation FA-6.

10.3 Required Submittals:

1. Pipe material specifications.
2. Fitting material specifications.
3. Coupling and transition coupling material specifications.
4. Clean out frame and lid specifications.
5. Underground magnetic utility marker specifications.
6. Material gradation certificates for pipe bedding material.
7. Material gradation certificates for trench backfill material.

10.4 Basis of Payment:

This work shall be paid for at the contract unit price per Foot (FOOT), along the alignment of the sanitary service, from the edge of the sanitary main to the point of connection to existing service at the property or easement line for **SANITARY SEWER SERVICE REPLACEMENT**, of the diameter specified, complete in place.

11. SANITARY SEWER SERVICE

11.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to install new sanitary sewer services as shown on the plans.

This work shall be in accordance with the FRSA Standard Detail Sheet.

This work shall consist of the installation of a new sanitary sewer service stub from the sewer main to the Right-of-Way line (or other FRSA-approved service terminus) as shown on the plans, or as directed by the FRSA, with service clean out risers as shown or directed.

This work shall include excavation, trench dewatering, installing PVC SDR 26 pipe, connecting to sanitary sewer main, all fittings and bends, pipe bedding, trench backfill and compaction, and temporary connections.

This work shall include connecting to sanitary sewer mains with a factory PVC wye fitting. as indicated on the Standard Detail Sheet.

Where the depth of the sewer main exceeds 13 feet, alternate service risers will be required at the sewer main in accordance with the 'Alternate Service Detail' of the FRSA Standard Details. Sanitary sewer services shall be laid at a minimum of 1.0% slope. Service invert elevations at the property line shall be a minimum of 11.5 feet below finish floor elevation when there is a structure on the property, or 9.0 feet below grade when there is no structure on the property, whenever possible, unless otherwise directed or shown on the plans.

A service clean out riser as indicated on the FRSA Standard Detail Sheet shall be installed at the property line or as indicated on the plans. Cleanouts will be required as shown on the plans and where required by the Illinois State Plumbing Code. An underground magnetic utility marker shall be attached to the top of the cleanout cap. New services that will not be air pressure tested shall have a threaded PVC cap.

Should the clean out riser be located in a pavement surface or sidewalk, a frame and lid shall be installed on the clean out riser per the FRSA 'Service Cleanout Casting' detail. This shall only be done with the approval of the FRSA Inspector. The cost of a cleanout frame and lid and installation shall be included in the cost of this item.

This work shall include partial installations when required by construction staging. Sewer services shall be installed beyond the staged construction line at a location adequate to protect any items or permanent surfaces from any damage that are to be constructed between the time the partial service is installed and the time the installation of the service is resumed. All work required due to construction staging shall be considered incidental to this item.

The actual sewer service locations may vary from those shown on the plans. No additional payment will be awarded for changes in service locations.

Utility relocation, repair, protection or restraining, and trench dewatering shall be included in the work covered in this item unless specifically provided for elsewhere.

Pipe Bedding

Pipe bedding for flexible pipe shall be per the FRSA 'Flexible Pipe Bedding Detail' on the FRSA Standard Detail Sheet. Crushed stone pipe bedding for flexible pipe shall be IDOT CA-7 gradation conforming to Class IA per ASTM Standard D2321. Bedding material for flexible pipe shall be placed from six inches (6") minimum below the bottom of the pipe to the spring line of the pipe and shall be haunched in place along the side of the pipe, ensuring that all voids are eliminated. Bedding material shall be placed from the spring line of the pipe to twelve inches (12") minimum above the top of the pipe.

Bedding shall be graded such that it precludes the migration of trench wall material into the bedding. In the event that the trench bottom is unstable as determined by the FRSA, the Contractor shall undercut the trench as required and furnish and install foundation material. The foundation material shall be a coarse aggregate material IDOT CA-1 gradation that will inhibit the migration of the bedding material into trench bottoms and walls and shall extend to the limits of the pipe bedding detail on the FRSA Standard Detail Sheet. Sanitary sewer trench sub-base improvement shall be completed at no additional cost to the FRSA, unless a specific pay item is provided for this work.

Trench Backfill

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 the FRSA's *General Provisions and Technical Specifications for Sanitary Sewer Construction T.S. 2:4-c*. Select trench backfill under said structures shall be IDOT gradation FA-6, mechanically-compacted in twelve inch (12") maximum loose lifts to the sub-grade elevation of the road shoulder, sidewalk, driveway, parking lot or other pavement. Materials shall be in accordance with Article 1003.04 and Section 208 of the *IDOT Standard Specifications for Road and Bridge Construction*, current edition. Select trench backfill shall be mechanically compacted with a vibratory plate, vibratory roller, or other approved equipment-mounted compaction equipment. Water-jetting, ponding or flooding will not be permitted as a means of trench compaction on this project.

All select trench backfill shall be compacted to ninety-five percent (95%) of Standard Proctor density; all other backfill shall be compacted to ninety percent (90%) minimum of Standard Proctor density. Compaction shall be according to Method 1 of Article 550.07 of the *IDOT Standard Specifications*. All compaction tests shall be performed at the Contractor's expense by an approved, independent geotechnical-testing firm. Compaction testing shall occur on the first full day of backfilling operations. The independent testing firm shall work with the Contractor to establish appropriate and adequate compaction methods and patterns. Trench backfill moisture content shall be modified if necessary and as operations progress. If the tests do not meet the compaction requirements specified above, the area shall be both re-compacted and re-tested at the Contractor's expense until the test requirements are met.

If initial tests indicate compaction requirements are being met, no further lift testing will be required unless the method, equipment, or material (including moisture content) changes.

The Contractor shall exercise care not to disturb any existing utilities during backfilling and compaction operations. The Contractor shall use reasonable care while backfilling over the sewer. No materials such as rocks or boulders shall be allowed to be dropped directly on the

sewer pipe. If these materials are present in the backfill, the Contractor shall bring bedding material to a point 24" above the crown of the pipe. The cost of this additional granular material shall be considered incidental to this item.

11.2 Materials

1. Sanitary sewer service pipe shall be SDR 26 WMQ PVC meeting the requirements of ASTM D2241. Joints shall meet the requirements of ASTM D3139.
2. Fittings:
 - a. Water main quality PVC fittings shall be gasketed SDR 26 meeting the requirements of ASTM D2241, and ASTM D3139.
 - b. The cleanout riser cap shall be a PVC DWV threaded cap.
3. 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, or approved equivalent). The transition shall be made on existing pipe that is structurally sound.
4. Clean out frames and lids shall be Neenah R-1674-A or East Jordan 00157410 & 00157421.
5. Underground magnetic utility markers shall be Berntsen International DEEP1UG or approved equal.
6. Crushed stone pipe bedding shall be IDOT CA-7 gradation conforming to Class IA per ASTM Standard D2321.
7. Select trench backfill shall be IDOT gradation FA-6.

11.3 Required Submittals

1. Pipe material specifications.
2. Fitting material specifications.
3. Coupling and transition coupling material specifications.
4. Clean out frame and lid specifications.
5. Underground magnetic utility marker specifications.
6. Material gradation certificates for pipe bedding material.
7. Material gradation certificates for trench backfill material.

11.4 Basis of Payment

This work shall be paid for at the contract unit price per Foot (FOOT), along the alignment of the sanitary service, from the edge of the sanitary main to the end of the service stub for **SANITARY SEWER SERVICE**, of the diameter specified, complete in place.

12. ROCK EXCAVATION FOR SANITARY SEWER

12.1 General

This item shall consist of furnishing all labor, equipment, tools, transportation, materials and operations needed to excavate, remove and dispose of rock material during the construction of the proposed project.

The Contractor shall demonstrate to the FRSA that the material encountered while excavating within the lines and grades shown on the plans within the designated limits of payment as described in T.S. 2:3 of the General Provisions and Technical Specifications for Sanitary Sewer Construction is not able to be removed employing conventional excavation methods and equipment. This demonstration shall be completed before the subsurface material is classified as rock. The following criteria will be used in the determination of whether or not the work will be considered rock excavation:

1. The guidelines and requirements of the General Provisions and Technical Specifications for Sanitary Sewer Construction.
2. A substantial reduction in production rate.
3. Visual evidence of large boulders, rock, granite, trap, quartzite, chert, limestone, hard sandstone, hard shale or slate, or other hard materials, in natural ledges or displaced masses which cannot be removed by a modern backhoe without resorting to the continuous use of pneumatic tools, barring or wedging for removal from their original beds.

Blasting will not be allowed on this project. Contractor shall monitor vibrations of rock removal efforts and shall assume full responsibility for any claims of damage to adjacent structures (within 100' of trench).

12.2 Materials – Not used.

12.3 Required Submittals – Not used.

12.4 Basis of Payment

This work shall be paid for at the contract unit price per Cubic Yard (CU YD) for **ROCK EXCAVATION FOR SANITARY SEWER**.

The limits of what will qualify as rock excavation will be determined by the FRSA in the field. The maximum payable trench width shall not exceed the nominal pipe size plus eighteen inches (18") for 8" to 24" diameter pipes or the nominal pipe size plus twenty-four inches (24") for pipe sizes greater than 24" diameter. The maximum payable radius used to calculate volume of rock removed for manhole installation shall be the inside radius of the manhole plus twenty-four inches (24"). No additional payment will be made for extra rock excavation desired for work area enhancement or for areas needed to facilitate manhole or vault installations.

13. COMBINATION CURB & GUTTER REMOVAL & REPLACEMENT

13.1 General

Removals shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 440 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*. This work shall include all equipment, materials, labor, transportation, and workmanship to completely remove and properly dispose of concrete curb, concrete gutter, or combination concrete curb & gutter, and to replace curb and gutter as shown on the plans. Tunneling under the existing curb and gutter will not be permitted. Curb and gutter replacement shall match existing type, line and grade.

Replacement curb and gutter shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 606 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*. This work shall include all equipment, materials, labor, transportation, and workmanship to construct combination concrete curb & gutter as shown on the plans.

The following details and standards shall be used For Type M6.18 (Modified):

City of Rockford Combination Concrete Curb & Gutter, Type M6.18 Modified (for detail see plans sheet 4 of 6)

Curb and gutter shall include 'tip-out' and 'depressed' sections at the locations indicated in the plans and as directed by the Engineer. For payment purposes, no separate distinction will be made for standard, tip-out, or depressed curb and gutter.

One-inch (1") Ceramar expansion joint materials with caulking shall be installed at 100' intervals. 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. Curb and gutter shall be full depth saw-cut at the tie-in points prior to removing the curb and gutter.

13.2 Materials

Portland Cement Concrete shall be Class SI mix per Article 1020.04 of the *IDOT Standard Specifications*.

13.3 Required Submittals

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

13.4 Basis of Payment

Payment shall be made at the Contract unit price per Linear Foot (FOOT) of **PCC CURB AND GUTTER REMOVAL & REPLACEMENT**, complete in place.

14. AGGREGATE BASE COURSE, TYPE B

14.1 General

This work shall consist of placing compacted Aggregate Base Course, Type B to the depths indicated on the plans. This work shall include subgrade preparation, removal and disposal of excess material, furnishing, placing, installing and compacting course aggregate, and trimming and prepping aggregate base for subsequent sidewalk placement. This work shall be in conformance with Section 351 of the *IDOT Standard Specifications for Road and Bridge Construction*, Current Edition.

14.2 Materials

Coarse aggregate:

1. Where a 12 inch course is specified, the bottom 6 inches shall be IDOT gradation CA 2, while the upper 6 inches shall be IDOT gradation CA 6.
2. Where a 10 inch course is specified, the bottom 5 inches shall be IDOT gradation CA 2, while the upper 5 inches shall be IDOT gradation CA 6.
3. Where a less than 10 inch course is specified, the entire thickness shall be IDOT gradation CA 6.
4. Coarse aggregates shall be in accordance with Article 1004.04 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. Crushed concrete materials approved by IDOT and in accordance with Article 1004.04 may be used.

14.3 Required Submittals

1. Material gradation certifications for aggregates.

14.4 Basis of Payment

This work will be paid for at the Contract unit price per Square Yard (SQ YD) for AGGREGATE BASE COURSE, TYPE B of the thickness specified, complete, in place.

15. PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT, 4"

15.1 General

Removals shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 440 of the *IDOT Standard Specifications for Road and Bridge Construction*, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to completely remove and properly dispose of sidewalk as shown on the plans.

Removal limits shall be sawcut full depth prior to removing sidewalk. This item shall include the removal of steps, stoops, etc.

Replacement of PCC sidewalk shall conform to Section 424 of the *IDOT Standard Specifications*. The subgrade shall be prepared with 4" of compacted CA-6 aggregate which shall be considered incidental under the pay item **PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT, 4"**. All sidewalks to be installed shall conform to all applicable laws and regulations including, but not limited to, most current PROWAG and ADA requirements. The Contractor shall be knowledgeable of PROWAG and ADA requirements

Expansion joints shall be installed per Article 424.07 of the *IDOT Standard Specifications*.

All Portland Cement Concrete Quality Control shall be in accordance with *IDOT Recurring Special Provision #23: Quality Control/Quality Assurance of Concrete Mixtures* as included in this Contract.

15.2 Materials

Portland Cement Concrete shall be Class SI mix per Article 1020.04 of the *IDOT Standard Specifications*.

Expansion Joint Fillers shall be in accordance with Section 1051 of the *IDOT Standard Specifications*.

15.3 Required Submittals

1. PCC Mix Designs.
2. Expansion Joint Fillers material certification.
3. Material gradation certificates for aggregate.

15.4 Basis of Payment

Payment for this item shall be made at the contract unit price per Square Foot (SQ FT) of **PORTLAND CEMENT CONCRETE SIDEWALK REMOVAL AND REPLACEMENT, 4"**.

16. PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT, 6"

16.1 General

The Contractor shall remove the driveway pavement to extent as shown on plans. Maximum pay limits for pavement removal are shown on the plans and will be used to determine quantities for payment unless approved by the Engineer prior to removals. Any damage to pavements beyond the removal limits shall be replaced full depth at no additional cost to the FRSA. Tunneling under the existing driveway will not be permitted. The pavement limits shall be sawcut full depth prior to removal. The remaining pavement edges shall be protected from damage. All costs associated with sawcutting and pavement protection shall be included in this item.

Driveway replacement shall match existing type, line and grade. Driveway replacement shall be portland cement concrete pavement on a prepared subgrade in accordance with to

Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 423 of the *IDOT Standard Specifications*.

The contractor shall prepare the subgrade aggregate in accordance with **AGGREGATE BASE COURSE TYPE, B**, to the depth specified on the plans.

Any water service boxes in approach areas to be replaced must be adjusted to the proper height prior to concrete placement. Contractor must notify FRSA prior to concrete placement if a valve box is not adjustable or is broken. Valve boxes to be set in concrete must have a protective cone installed.

16.2 Materials

Aggregate base course shall be in accordance with Article 1004.04 of the *IDOT Standard Specifications for Road and Bridge Construction*, Current Edition. Crushed concrete materials approved by IDOT and in accordance with Article 1004.04 may be allowed in lieu of virgin materials, subject to prior approval by the jurisdictional roadway authorities.

Portland Cement Concrete shall be Class PV mix per Article 1020.04 of the *IDOT Standard Specifications*.

Expansion Joint Fillers shall be in accordance with Section 1051 of the *IDOT Standard Specifications*.

16.3 Required Submittals

1. Material gradation certifications for aggregates.
2. PCC Mix Designs.
3. Expansion Joint Fillers material certification.

16.4 Basis of Payment

This work will be paid for at the Contract unit price per Square Yard (SY) for **PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT REMOVAL AND REPLACEMENT, 6"**, complete, in place.

17. HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50

17.1 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 Section 406 of the *IDOT Standard Specifications for Road and Bridge Construction*, Current Edition.

Prime coat shall be MC-30 or PEP bituminous materials and comply with 406.05 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*; all costs associated with placement of the prime coat shall be considered incidental to Hot-mix asphalt Binder Course, IL-19.0, N50 and no additional compensation will be considered.

Tack coat shall be SS-1 bituminous materials and comply with 406.05 of the *IDOT Standard Specifications*; all costs associated with placement of the tack coat shall be considered incidental to Hot-mix Surface Course, IL 9.5, Mix "D", N50 and no additional compensation will be considered.

Hot-Mix Asphalt Placement

Prior to placement of any Hot-Mix Asphalt Binder Course, a pre-pave inspection shall be held to ensure proper preparation of the Aggregate Base Course. FRSA shall approve of the preparation prior to paving operations commencing.

1. Machine place hot-mix asphalt on prepared surface, spread uniformly, and strike off. Place asphalt mix by hand in areas inaccessible to equipment in a manner that prevents segregation of mix. Place each course to required grade, cross section, and thickness when compacted. All placement to be in accordance with Section 406 of the *IDOT Standard Specifications*.
 - a. Place hot-mix asphalt binder course and surface course to thicknesses indicated. Minimum lift thicknesses in accordance with Article 406.06 of the *IDOT Standard Specifications*.
 - b. Place hot-mix asphalt surface course in single lift.
 - d. Spread mix at a minimum temperature of 250 deg F.
 - e. Regulate paver machine speed to obtain smooth, continuous surface free of pulls and tears in asphalt-paving mat.
2. Promptly correct surface irregularities in paving course behind paver. Use suitable hand tools to remove excess material forming high spots. Fill depressions with hot-mix asphalt to prevent segregation of mix; use suitable hand tools to smooth surface.
3. All Quality Control is to be the responsibility of the Contractor and shall be in accordance with QC/QA method in Article 1030.09 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*.
4. Protection: After final rolling, do not permit vehicular traffic on pavement until it has cooled and hardened.
5. Erect barricades to protect paving from traffic until mixture has cooled enough not to become marked.

17.2 Materials

HMA Binder Course shall be mixture IL-19.0, N50 in accordance with Section 1030 of the *IDOT Standard Specifications for Road and Bridge Construction, Current Edition*.

HMA Surface Course shall be mixture IL-9.5, N50, Mix "D" in accordance with Section 1030 of the *IDOT Standard Specifications for Road and Bridge Construction, Current Edition*.

Prime coat shall be MC-30 or PEP bituminous materials in accordance with Section 1032 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*.

Tack coat shall be SS-1 in accordance with Section 1032 of the *IDOT Standard Specifications for Road and Bridge Construction, current edition*

17.3 Required Submittals

1. HMA mix designs.
2. Prime coat material certifications.
3. Tack coat material certifications.

17.4 Basis of Payment

Payment for **Hot-Mix Asphalt Binder Course, IL-19.0, N50** shall be made at the contract unit price per Ton (TON) complete, in place.

Payment for **Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N50** shall be made at the contract unit price per Ton (TON) complete, in place.

18. LANDSCAPE RETAINING WALL REMOVAL & REPLACEMENT

18.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions. This work shall include all equipment, materials, labor, transportation, and workmanship to remove and replace existing landscape retaining walls as shown on the plans for the purpose of sanitary sewer installation.

This work shall include removing and replacing landscape retaining walls (in kind) to the extent required for sanitary sewer installation. Drain pipe, geogrid, pipe underdrain, coarse aggregate, fine aggregate, retaining wall block, shear pins, and other materials and ancillary items may be required and are considered incidental to Landscape Retaining Wall Removal & Replacement. Retaining wall block shall be of the same material, size, dimensions, and color of the existing block. If existing block cannot be re-used, at the discretion of FRSA, the contractor must submit substitution for approval to FRSA.

This work shall include excavation, preparing foundation soil, and furnishing and installing leveling pad, segmental concrete block, drainage aggregate and select fill, and all appurtenances for a complete retaining wall system.

Additional installation requirements include:

The first course of units shall be placed on the leveling pad at the appropriate line and grade. The alignment and elevation shall be checked in all directions and all units shall be in full contact with the base and properly seated.

The front of units shall be placed side-by-side with no gaps between adjacent units. The layout of corners and curves shall be in accordance with manufacturer's recommendations.

If applicable, shear/connecting pins shall be installed per manufacturer's recommendations.

Drainage aggregate shall be placed and compacted within and behind wall units. Select fill shall be placed and compacted behind drainage aggregate and geotextile fabric. Geotextile fabric must overlap existing by 8 inches or manufacturer recommendations.

The maximum stacked vertical height of wall units, prior to drainage aggregate and select fill placement and compaction, shall not exceed three courses or the course upon which geogrid reinforcement is to be placed.

Where hand operation compaction equipment is used, select fill and drainage fill shall be placed in lifts not to exceed 6 inches. Lift thickness shall be decreased to achieve the required density as needed.

Prior to placement of the cap units, the upper surface of the top course of wall units shall be cleaned of soil and any other material. Cap units shall be adequately glued to the underlying wall units with an all-weather exterior construction adhesive.

18.2 Materials

All materials shall be of like size, dimensions, color, etc. as the existing materials. Existing materials free from damage or defect may be re-used, at the discretion of FRSA.

18.3 Required Submittals

Landscape wall material.

18.4 Method of Measurement - Not used.

18.5 Basis of Payment

This work shall be paid for at the contract unit price per Lump Sum for **LANDSCAPE RETAINING WALL REMOVAL & REPLACEMENT**.

19. TOPSOIL FURNISH AND PLACE

19.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Sections 211 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to install topsoil as shown on the plans.

Any additional topsoil than what is shown on the plans and that is required due to the Contractor's actions or negligence shall be provided at no additional cost to the FRSA.

This work shall include preparing areas to be seeded, furnishing and placing topsoil, and removal and disposal of unsuitable materials. Topsoil shall be pulverized and shall not contain any excessively large clumps or clods, at the discretion of the Engineer. The existing ground surface shall be free of all foreign objects, stone, etc. The Contractor shall remove and dispose of such unsuitable materials.

Topsoil placed adjacent to pavement edges, curbs, sidewalk, etc. shall be placed such that the topsoil is flush with the hard surface in its final state, after any settling has occurred.

Topsoil that settles next to hard surfaces shall be corrected by the Contractor at no additional cost to the FRSA.

19.2 Materials

Topsoil utilized from off-site sources shall be in accordance with Article 1081.05(a) of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

19.3 Required Submittals

Material certifications for topsoil (if being imported from off-site).

19.4 Basis of Payment

This work shall be paid for at the contract unit price per Square Yard (SQ YD) for TOPSOIL FURNISH AND PLACE, of the thickness specified, complete in place.

20. SEEDING, CLASS 1 AND FERTILIZING

20.1 Description

This work shall conform to FRSA requirements, details, and provisions, and Sections 250 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to seed and fertilize as shown on the plans.

Any additional seeding and fertilizing than what is shown on the plans and that is required due to the Contractor's actions or negligence shall be provided at no additional cost to the FRSA.

The areas to be seeded shall be free of all foreign objects, debris, or excessively large clumps or clods, at the discretion of the Engineer. Seedbed preparation shall be per Article 250.05 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. The seedbed shall be prepared to the satisfaction of the Engineer.

All seeded areas shall be maintained for a period of 30 days after application, which shall include supplemental watering and mowing as directed by the Engineer.

Fertilizer shall be applied in accordance with Article 250.04 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

20.2 Materials

1. Seed mixtures shall be according to the type specified on the plans, and according to Article 250.07 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. Seed shall be in accordance with Article 1081.04 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.
2. Fertilizer shall be in accordance with Article 1081.08 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

20.3 Required Submittals

1. Seed mixtures.
2. Fertilizer specifications and certifications.

20.4 Method of Measurement

This work will be measured in place in Square Yards.

20.5 Basis of Payment

This work shall be paid for at the contract unit price per Square Yard (SQYD) for **SEEDING, CLASS 1 AND FERTILIZING**, in place.

21. EROSION CONTROL BLANKET

21.1 General

This work shall conform to FRSA requirements, details, and provisions, and Sections 251 of the IDOT Standard Specifications for Road and Bridge Construction, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to install erosion control blanket as shown on the plans.

This work shall be in accordance with the Illinois Urban Manual IUM-530 detail.

Any additional erosion control blanket than what is shown on the plans and that is required due to the Contractor's actions or negligence shall be provided at no additional cost to the FRSA. The Contractor shall remove and dispose of all erosion control blanket within 30 days of final site stabilization and approval by the FRSA.

21.2 Materials

Erosion control blanket and all appurtenances shall be in accordance with Article 1081.10 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

21.3 Required Submittals

Material certifications for erosion control blanket.

21.4 Method of Measurement

This work will be measured in place in Square Yards.

21.5 Basis of Payment

This work shall be paid for at the contract unit price per Square Yard (SQYD) for **EROSION CONTROL BLANKET**, in place.

22. TRAFFIC CONTROL AND PROTECTION, SPECIAL

22.1 General

This work shall conform to Four Rivers Sanitation Authority (FRSA) requirements, details, and provisions, and Section 701 of the IDOT Standard Specifications for Road and Bridge

Construction, current edition and the Manual on Uniform Traffic Control Devices, current edition. This work shall include all equipment, materials, labor, transportation, and workmanship to furnish, install, maintain, relocate, and remove work zone traffic control and protection as required to construct the work shown on the plans.

The following IDOT District 2 highway standards shall be used:

40.1 – Traffic Control for Road Closure (see detail on plans sheet 4 of 6)

This work shall include the furnishing, installation, maintenance, and removal of work zone traffic control and protection. The Contractor shall be solely responsible for the safety of all operations and shall comply with all local, State, and OSHA regulations. All required traffic control devices shall be installed prior to any work taking place within the designated work zone. The Contractor shall comply with the appropriate roadway authority traffic control requirements and provisions.

The Contractor will be required to furnish all traffic control devices necessary for the convenience and protection of vehicular and pedestrian traffic. Whenever Contractor operations endanger or interfere with vehicular or pedestrian traffic, as determined by the FRSA or roadway authority, the Contractor shall furnish any additional traffic control devices necessary to direct and protect his laborers at no extra cost.

The Contractor will be required to furnish flaggers as specified in the plans or as required by the FRSA on a continuous basis whenever construction operations are in progress.

Traffic control devices may not be delivered to the site more than five (5) days prior to installation of the devices and must be removed from the site within five (5) days after the required work is complete.

The Contractor is responsible for the proper location, installation, and arrangement of all traffic control devices furnished. Whenever operations indicate that relocation of a proposed or existing traffic control device is advisable, as determined by the FRSA, the Contractor shall remove, relocate, and reinstall the device(s) in question at no additional cost.

All advance warning signs for lane closure, intermediate information signs, and standard signs shall be installed in accordance with IDOT Highway Standards. Cones will not be allowed as a traffic control device.

“WORKERS” (W21-1a (0) - 48) signs shall be replaced with symbol “Right or Left Lane Closed Ahead” (W4-2R or L (0) - 48) signs.

Daily or periodic lane closures shall be erected no earlier than 9:00 AM and shall be removed no later than 3:30 PM regardless of the day of the week. If a lane closure will remain for more than one (1) calendar day, the Contractor shall notify the jurisdictional roadway authority at least six (6) hours in advance.

Emergency lane closures shall be erected and removed at the explicit direction of the roadway authority.

All advance warning signs and traffic control devices shall be removed or covered by the Contractor when such signs and devices are not in effect or at the direction of the FRSA or roadway authority.

The basic layout for traffic control devices shall be in accordance with the specifications.

The Contractor is responsible for the maintenance of all traffic control devices installed and shall inspect all barricades, barrels, warning signs, and lights which he has installed on a twenty-four (24) hour basis for each day of this Contract. In the event of severe weather conditions, the Contractor shall be required to furnish any additional personnel required to maintain all traffic control devices as required by the FRSA. Traffic control devices shall be inspected at least once every twelve (12) hours.

The Contractor will be required to remove all traffic control devices which were furnished, installed, or maintained by the Contractor under this Contract and such devices shall remain the property of the Contractor upon said removal. All traffic control devices shall remain in place until specific authorization for removal is received from the FRSA or roadway authority.

22.2 Equipment

All traffic control devices and equipment shall be in accordance with Article 701.03 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

22.3 Required Submittals

Name and contact information for the person directly employed by the Contractor who is to be responsible for the installation and maintenance of the traffic control, per Article 701.04 of the IDOT Standard Specifications for Road and Bridge Construction, current edition.

Copies of approved traffic control plans, including detour routing and road closures as required by the roadway authority.

22.4 Basis of Payment

This work shall be paid for at the contract unit price per Lump Sum for **TRAFFIC CONTROL AND PROTECTION, SPECIAL**.

Section II
Contract Forms

Proposal

Project: Grace Street Sanitary Sewer Extension
Capital Project No. 2625

Location: 1800 Block of Grace Street, Rockford, Illinois 61103

Completion Date: Friday, November 14, 2025

Liquidated Damages: \$300/calendar day per each completion date deadline

To: Board of Trustees
Four Rivers Sanitation Authority
3501 Kishwaukee Street
Rockford, IL 61109

From: _____
(Individual, Partnership or Corporation, as case may be)

(Address of Individual, Partnership or Corporation)

I (We), the undersigned, hereby propose to furnish all materials, equipment, tools, services, labor, and whatever else may be required to construct and place in service the above subject Sanitary Sewer for the Four Rivers Sanitation Authority all in accordance with the plans and specifications, provided by Four Rivers Sanitation Authority. The undersigned also affirms and declares:

1. That I (we), have, examined and am (are) familiar with all the related contract documents and found that they are accurate and complete and are approved by the undersigned.
2. That I (we), have carefully examined the site of the work, and that, from my (our) investigation, has satisfied myself (ourselves) as to the nature and location of the work, the character, quality, and quantity of materials and the kind and extent of equipment and other facilities needed for the performance of the work, the general and local conditions and all difficulties to be encountered, and all other items which may, in any way, effect the work or its performance.
3. That this bid is made without any understanding, agreement or connection with any other person, firm, or corporation making a bid for the same purposes, and is in all respects fair and without collusion or fraud; and that I (we) are not barred from bidding as a result of a bid-rigging or bid-rotating conviction.

4. That accompanying the Proposal is a Bidder's Bond in the amount specified in Article 1, Notice to Bidders, payable to the Board of Trustees of the Four Rivers Sanitation Authority, which it is agreed, shall be retained as liquidated damages by said Four Rivers Sanitation Authority if the undersigned fails to execute the Contract in conformity with the contract documents incorporated in the contract documents and furnish bond as specified, within ten (10) days after notification of the award of the contract to the undersigned.
5. The Bidder is of lawful age and that no other person, firm or corporation has any interest in this Proposal or in the Contract proposed to be entered into.
6. The Bidder is not in arrears to the Four Rivers Sanitation Authority, upon debt or contract, and is not a defaulter, as surety or otherwise, upon any obligation to the Four Rivers Sanitation Authority.
7. No officer or employee or person whose salary is payable in whole or in part by the Four Rivers Sanitation Authority is, shall be or become interested, directly or indirectly as a contracting party, partner, stockholder, surety or otherwise, in this Proposal, or in the performance of the Contract, or in the work to which it is relates, or in any portion of the profits thereof.
8. The Bidder which I represent complies with all applicable requirements of the Americans with Disabilities Act (ADA) and the Occupational Safety and Health Act (OSHA) and that if said bidder is awarded a contract, it will complete all OSHA-required or ADA-required employee and customer training, will make available all required information, and will hold harmless and indemnify the Four Rivers Sanitation Authority and the Four Rivers Sanitation Authority's representatives.

In regard to participation in an approved Apprenticeship program, upon request, Contractor will be required to provide written proof of participation.
9. The undersigned, as Bidder, declares that he has adopted and promulgated written sexual harassment policies in accordance with Public Act 101-0221 and will make this information available upon request.
10. 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 Four Rivers Sanitation Authority) to submit certified payroll reports via the State's Certified Transcript of Payroll Portal found at <https://labor.illinois.gov/laws-rules/conmed/certifiedtranscriptofpayroll.html>.
11. The undersigned, as Bidder, declares he will comply with the Federal Drug Free Workplace Act.
12. The undersigned, as Bidder, declares he will comply with Public Act 83-1030 entitled "Steel Products Procurement Act".
13. The undersigned, as Bidder, declares he will comply with Public Act 96-929 (30 ILCS 570) regarding Illinois residents' employment.

14. The undersigned, as Bidder, declares he will comply with non-discrimination in employment in accordance with the Illinois Fair Employment Practices Commissions Rules & Regulations.
15. The undersigned, as Bidder, declares 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.

In submitting this bid, it is understood that the right is reserved by the Four Rivers Sanitation Authority to reject any and all bids. It is agreed that this bid may not be withdrawn for a period of sixty (60) days from the opening thereof.

The undersigned further declares that he (they) has (have) carefully examined the following items of work and that the cost of all the work to complete this project is given in this Proposal.

Not to be used for bidding purposes

| Item No. | Quantity | Unit | Description | Unit Price (In Writing) | Unit Price (In Figures) | Total Price (In Figures) |
|----------|----------|-------|--|-------------------------|-------------------------|--------------------------|
| 1 | 1 | L SUM | Construction Layout | | | |
| 2 | 2 | EACH | Inlet Filters | | | |
| 3 | 385 | SQ YD | Pavement Removal | | | |
| 4 | 1 | EACH | Sanitary Manholes To Be Removed & Replaced, 4" Dia. | | | |
| 5 | 236 | FOOT | Sanitary Sewer, PVC SDR 26 WMQ, 08" Dia. | | | |
| 6 | 12 | FOOT | Sanitary Sewer, PVC SDR 26, 10" Dia. | | | |
| 7 | 1 | EACH | Sanitary Manholes, 4' Dia. | | | |
| 8 | 43 | FOOT | Sanitary Sewer Service Replacement, 4" Dia. | | | |
| 9 | 21 | FOOT | Sanitary Sewer Service, 4" Dia. | | | |
| 10 | 20 | CU YD | Rock Excavation for Sanitary Sewer | | | |
| 11 | 54 | FOOT | Combination Curb & Gutter Removal and Replacement | | | |
| 12 | 14 | SQ YD | Aggregate Base Course, Type B 04" | | | |
| 13 | 385 | SQ YD | Aggregate Base Course, Type B 12" | | | |
| 14 | 241 | SQ FT | Portland Cement Concrete Sidewalk Removal and Replacement, 4" | | | |
| 15 | 23 | SQ YD | Portland Cement Concrete Driveway Pavement Removal and Replacement, 6" | | | |
| 16 | 75 | TON | Hot-Mix Asphalt Binder Course, IL-19.0, N50 | | | |
| 17 | 35 | TON | Hot-Mix Asphalt Surface Course, IL-9.5, Mix "D", N50 | | | |
| 18 | 1 | L SUM | Landscape Retaining Wall Removal & Replacement | | | |
| 19 | 32 | SQ YD | Topsoil Furnish and Place, 4" | | | |
| 20 | 32 | SQ YD | Seeding, Class 1 and Fertilizing | | | |

| Item No. | Quantity | Unit | Description | Unit Price (In Writing) | Unit Price (In Figures) | Total Price (In Figures) |
|------------------|----------|-------|---------------------------------------|-------------------------|-------------------------|--------------------------|
| 21 | 32 | SQ YD | Erosion Control Blanket | | | |
| 22 | 1 | L SUM | Traffic Control & Protection, Special | | | |
| TOTAL BID PRICE: | | | | | | |
| | | | | (In Writing) | | (In Figures) |

The undersigned acknowledges receiving Addendum numbers _____, _____, _____, and realizes that all Addenda are considered part of the Contract.

By: _____

Name: _____ Title: _____ Date: _____

Fair Employment Practices Affidavit of Compliance

Project: Grace Street Sanitary Sewer Extension, Capital Project No. 2625

NOTE: THE BIDDER MUST EXECUTE THIS AFFIDAVIT AND SUBMIT IT WITH ITS SIGNED BID. THE FOUR RIVERS SANITATION AUTHORITY 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:

_____ (hereinafter called the Principal)
and

_____ (hereinafter called the Surety)

a Corporation chartered and existing under the laws of the State of _____ with its principal offices in the City of _____ and authorized to do business in the State of Illinois are held and firmly bound onto the Four Rivers Sanitation Authority (FRSA) of Winnebago County, Illinois, in the full and just sum of: **TEN PERCENT (10%) OF THE TOTAL BID PRICE** good lawful money of the United States of America, to be paid upon demand of the FRSA, to which payment will and truly to be made we bind ourselves, our heirs, executors, administrators, and assigns, jointly and severally and firmly by these presents.

WHEREAS, the Principal is about to submit, or has submitted to FRSA, a proposal for the Grace Street Sanitary Sewer Extension project consisting of constructing 236 feet of 8-inch diameter PVC sanitary sewer, 64-feet of 4-inch diameter sanitary services with cleanouts, and two manholes, hot-mix asphalt pavement removal and replacement, curb and gutter removal and replacement, sidewalk removal and replacement, turf restoration and all other appurtenances indicated on the plans and in the specifications.

WHEREAS, the Principal desires to file this bond, in accordance with law, to accompany this Proposal.

NOW THEREFORE, The conditions of this obligation are such that if the Proposal be accepted, the Principal shall, within ten days after the date of receipt of a written notice of award of Contract, execute a Contract in accordance with the Proposal and upon the terms, conditions, and prices set forth therein, in the form and manner required by FRSA, and execute a sufficient and satisfactory Contract Performance Bond payable to said FRSA in an amount of one hundred percent (100%) of the Contract price (including alternates) in form and with security satisfactory to said FRSA, then this obligation to be void, otherwise to be and remain in full force and virtue in law; and the Surety shall, upon failure of the Principal to comply with any or all of the foregoing requirements within the time specified above, immediately pay to the aforesaid FRSA, upon demand, the amount hereof in good and lawful money of the United States of America, not as a penalty, but as liquidated damages.

IN TESTIMONY THEREOF, the Principal and Surety have caused these presents to be duly signed and sealed this _____ day of _____, 20_____.

Principal

(Seal)

By _____
Name: _____
Title: _____
Date: _____

Attest:

Secretary

Surety

(Seal)

By _____
Name: _____
Title: _____
Date: _____

Agreement

1. General

THIS AGREEMENT, made and concluded this _____ day of _____, 2025, between the Four Rivers Sanitation Authority (FRSA), Rockford, Illinois, acting by and through the Board of Trustees, and _____, his/their executors, administrators, successors or assigns:

2. Scope of Work

WITNESSETH: That for and in consideration of the payments and agreements made in the Proposal attached hereto, to be made and performed by FRSA and according to the terms expressed in the Bond referring to these presents, the Contractor agrees with FRSA at his/their own proper cost and expense to do all the work, furnish all equipment, materials and all labor necessary to complete the work in accordance with the plans and specifications hereinafter described, and in full compliance with all of the terms of this agreement and the requirements of FRSA and its representative.

And it is also understood and agreed that the Bidding Requirements, Detailed Specifications, Contract Forms, General Conditions, General Requirements, Technical Specifications, Plans, Addenda, and provisions required by law are all essential documents of the contract, and are a part hereof, as if herein set out verbatim or as if attached, except for titles, subtitles, headings, table of contents and portions specifically excluded.

3. Contract Price

FRSA shall pay to the Contractor, and the Contractor shall accept, in full payment for the performance of this Contract, subject to any additions or deductions provided for hereby, in current funds, the Total Contract Price of _____ and _____ 00/100 (\$_____).

Payments are to be made to the Contractor in accordance with and subject to the provisions of Section 7 of this Agreement, which is a part of this Contract.

4. Bond

The Contractor has entered into and herewith tenders a bond of even date herewith, in the penal sum of _____ and 00/100 (\$_____) to insure the faithful performance of this Contract, which said bond is hereby made a part of this Contract by reference.

5. Maintenance and Guarantee

The Contractor shall promptly repair, replace, restore or rebuild any imperfections that may arise and shall maintain satisfactory to FRSA all work for a period three years from the date of final acceptance of the Contract for trench settlement and for a period of two years all other work, except where periods of maintenance and guarantee are provided for. The Contractor shall, for this period, indemnify and save harmless the FRSA, its officers and agents from any injury done to property or persons as a direct or alleged result of

imperfections in the Contractors' 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 repair, replace, rebuild or restore such defective or damaged work promptly after receiving notice given by FRSA, the FRSA 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.

6. Contract Execution

IT IS EXPRESSLY UNDERSTOOD AND AGREED that the entire improvement shall be done in a thorough and workmanlike manner, under the direction and to the satisfaction of FRSA and in full compliance with all the requirements of its representative under them. All loss or damage arising out of the nature of the work to be done, or from any detention of unforeseen obstruction or difficulty which may be encountered in the prosecution of the work, or from the action of the elements, shall be sustained by the Contractor.

The Contractor will be held responsible for all accidents, and hereby agrees to indemnify and protect FRSA from all suits, claims, and actions brought against it, and all cost, and damages which FRSA may be put to by reason of an injury or alleged injury, to the person or property of another in the execution of this contract, or the performance of the work, or in guarding the same, or for any material used in its prosecution or in its construction.

Any person employed on the work who shall refuse or neglect to obey the directions of FRSA or its representative, or who shall be deemed by FRSA to be incompetent, or who shall be guilty of any disorderly conduct, or who shall commit any trespass on any public or private property in the vicinity of the work, shall at once be removed from the work by the Contractor when so requested by FRSA.

Any request to extend the contract completion date must be considered by the Board at the Board meeting prior to the then-existing contract termination date. Any deviation from this action will result in the liquidated damage clause in the contract to be exercised.

7. Payments to Contractor

FRSA hereby covenants and agrees, in consideration of the covenants and agreements in this Contract, specified to be kept and performed by the Contractor and subject to the conditions herein contained, and if FRSA receives an acceptable invoice prior to the tenth day of the month and receives approval of the work by the FRSA's Director of Engineering, FRSA shall issue payment before the fifth day of the succeeding month. If FRSA receives an acceptable invoice on or after the tenth day of the month, FRSA shall issue payment before the fifth day of the second succeeding month.

FRSA reserves the right at all times to refuse to issue payment in case the Contractor has neglected or failed to pay any subcontractors, workmen or employee on the work.

8. Subcontracts

No part of the work herein provided for shall be sublet or subcontracted without the express consent of FRSA, to be entered in the records, and in no case shall consent relieve the Contractor from the obligation herein entered into, or change the terms of this Agreement.

9. Contractor's Responsibility

This Contract shall extend to and be binding upon the successors and assigns, and upon the heirs, administrators, executors, and legal representatives of the Contractor.

In consideration of and to induce the award of this Contract to him, the Contractor represents and warrants: that he is not in arrears to FRSA upon debt of the Contract and that he is not a defaulter, as surety, contractor or otherwise; that he is financially solvent and sufficiently experienced and competent to perform the work; that the work can be performed as called for by the Contract; that the facts stated in his proposal and the information given by him is true and correct in all respects, and that he is fully informed regarding all the conditions affecting the work to be done and labor and materials to be furnished for the completion of this Contract and that his information was secured by personal investigation and research.

The Contractor shall pay not less than the prevailing wage rate as determined by the Department of Labor, to all laborers, workmen and mechanics performing work under this Contract. Contractor shall comply with current revisions of the wage standards; as required by law. The Contractor shall be responsible for verifying the prevailing wages each month and notifying all subcontractors of the appropriate monthly rates. The State of Illinois requires contractors and subcontractors on FRSA projects to submit certified payroll reports via the State's Certified Transcript of Payroll Portal currently found at: <https://labor.illinois.gov/laws-rules/commed/certifiedtranscriptofpayroll.html>. The Contractor is responsible for verifying current website.

In regard to nondiscrimination in employment, Contractor will be required to comply with the Illinois Fair Employment Practices Commission's Rules and Regulations as provided herein.

The Contractor shall comply with the American Disabilities Act of 1990 (ADA). The Contractor will hold harmless and indemnify FRSA and their representatives from all:

- (a) suits, claims, or actions;
- (b) costs, either for defense (including but not limited to reasonable attorney's fees and expert witness fees) or for settlement, and;
- (c) 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.

Contractor shall also comply with Public Act 101-0221, which requires any party to a contract to adopt and enforce a written policy regarding sexual harassment that includes, 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) through the Illinois Department of Human Rights and the Illinois Human Rights Commission;
- (f) directions on how to contact the Department and the Commission; and
- (g) protection against retaliation as provided by Section 6-101 of the Illinois Human Rights Act.

Upon request this information will be provided to the Illinois Department of Human Rights. Upon FRSA award of a contract, FRSA will be provided this information described no more than ten working days after FRSA issues its award notification.

The Contractor shall comply with Public Act 96-929 (30 ILCS 570) which 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.

The Contractor shall comply with all rules and regulations of OSHA during the execution of this Contract.

The Contractor shall comply with the Federal Drug Free Workplace Act.

The Steel Products Procurement Act, Illinois Public Act 83-1030, 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, as explained in the Instructions to Bidders.

The Contractor shall comply with Public Act 96-1416 regarding the disposal of CCDD and uncontaminated soil at CCDD fill sites as explained in the Instructions to Bidders.

10. Time

Work under this Agreement shall be commenced upon written Notice to Proceed. The completion date for this project shall be November 14, 2025.

11. Liquidated Damages

The amount of liquidated damages shall be \$300.00 per calendar day.

12. Counterparts

This Agreement may be executed and recorded in counterparts, each of which shall be deemed an original and all of which, when taken together, shall constitute one and the same instrument. The Parties hereby acknowledge and agree that facsimile signatures or signatures transmitted by electronic mail in so-called "pdf" format shall be legal and binding and shall have the same full force and effect as if an original of this Agreement had been delivered. Each of the parties (a) intend to be bound by the signatures on any document sent by facsimile or electronic mail, (b) are aware that the other party will rely on

such signatures, and (c) hereby waive any defenses to the enforcement of the terms of this Agreement based on the foregoing forms of signature.

13. Seals

IN WITNESS WHEREOF, the parties have hereunto set their hands and seals, and such of them as are corporations have caused these presents to be signed by their duly authorized officers.

(Seal)

Four Rivers Sanitation Authority
Winnebago County, Illinois

By _____
President, Board of Trustees

ATTEST: _____
Clerk of the Board

Contractor

(Corporate Seal)

By _____
Contractor's Officer

Name: _____
Title: _____
Date: _____

ATTEST: _____

Labor & Material Payment Bond

TO: _____ Contractor Name

Contractor City, State

KNOW ALL MEN BY THESE PRESENTS

That _____ (Contractor)

as Principal, and _____

a corporation of the State of _____ as Surety, are held and firmly bound unto the Four Rivers Sanitation Authority, as Obligee, for the use and benefit of claimants as hereinafter defined in the amount of

_____ Dollars (\$ _____), for the payment where of Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has by written agreement dated _____ 20__ Entered into a Contract with Obligee for _____ in accordance with contract documents prepared by the Four Rivers Sanitation Authority which Contract is by reference made a part hereof, and is hereinafter referred to as "the Contract".

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that if Principal shall promptly pay for all laborers, workers and mechanics engaged in the work under the Contract, and not less than the general prevailing rate of hourly wages of a similar character in the locality in which the work is performed, as determined by the State of Illinois Department of Labor pursuant to the Illinois Compiled Statutes 280 ILCS 130 / 1-12 et.seq. and for all material used or reasonably required for use in the performance of the Contract, then this obligation shall be void; otherwise it shall remain in full force and effect.

1. A claimant is deemed as any person, firm, or corporation having contracts with the Principal or with any of Principal's subcontractors for labor or materials furnished in the performance of the Contract on account of which this Bond is given.
2. Nothing in this Bond contained shall be taken to make the Obligee liable to any subcontractor, material man or laborer, or to any other person to any greater extent than it would have been liable prior to the enactment of The Public Construction Bond Act, approved June 20, 1931, as amended; provided further, that any person having a claim for labor and materials furnished in the performance of the Contract shall have no right of action unless he shall have filed a verified notice of such claim with the Obligee within 180 days after the date of the last item of work or the furnishing of the last item of materials, which claim shall have been verified and shall contain the name and address of the claimant, the business address of the claimant within the State of Illinois, if any, or if the claimant be a foreign corporation having no place of business

within the State the principal place of business of the corporation, and in all cases of partnership the names and residences of each of the partners, the name of the Contractor for the Oblige, the name of the person, firm or corporation by whom the claimant was employed or to whom such claimant furnished materials, the amount of the claim and a brief description of the public improvement for the construction or installation of which the contract is to be performed. No defect in the notice herein provided for shall deprive the claimant of its right of action under the terms and provisions of this Bond unless it shall affirmatively appear that such defect has prejudiced the rights of an interested party asserting the same.

3. No action shall be brought on this Bond until the expiration of 120 days after the date of the last item of work or of the furnishing of the last item of material except in cases where the final settlement between Oblige and the Contractor shall have been made prior to the expiration of the 120 day period, in which case action may be taken immediately following such final settlement; nor shall any action of any kind be brought later than 6 months after the acceptance by the Oblige of the work. Such suit shall be brought only in the circuit court of this State in the judicial district in which the Contract is to be performed.
4. Surety hereby waives notice of any changes in the Contract, including extensions of time for the performance thereof.
5. The amount of this Bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder.
6. The Principal and Surety shall be liable for any attorneys' fees, engineering costs, or court costs incurred by the Oblige relative to claims made against this Bond.

Signed and Sealed this _____ day of _____, 20____.

CONTRACTOR

SURETY

Contractor Firm Name

By: _____
Signature

Printed Name

Title

By: _____
Attorney-in-Fact Signature

Printed Name

Resident Agent

ATTEST:

Corporate Secretary (Corporations only)

Performance Bond

KNOW ALL MEN BY THESE PRESENTS, that WHEREAS, the Four Rivers Sanitation Authority has awarded to: _____ hereinafter designated as the “Principal”, a contract, dated, _____, for the Four Rivers Sanitation Authority.

WHEREAS, said Principal is required under the terms of said Contract to furnish a bond for the faithful performance of said Contract (the “Bond”);

NOW, THEREFORE, we the Principal and _____, as Surety, are firmly bound unto the Four Rivers Sanitation Authority in the penal sum of _____ Dollars (\$ _____) lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors and assigns, jointly and severally firmly by these presents for a performance bond. The conditions of this obligation is such that if the said Principal does well and faithfully performs all the conditions and covenants of said Contract, according to the true intent and meaning thereof, upon its part to be kept and performed, then the above obligation is to be null and void, otherwise to remain in full force and effect.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden Principal, its heirs, executors, administrators, successors or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions and agreements in the said Contract, including the provisions for liquidated damages in the said Contract, any changes, additions or alterations thereof made as therein provided, on its part, to be kept and performed at the time and in the manner therein specified, and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Four Rivers Sanitation Authority, its officers and agents, as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and effect. And 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 thereunder or the specifications accompanying the same and no inadvertent overpayment of progress payments shall in any way affect its obligations 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 or of any inadvertent overpayment of progress payments. The Four Rivers Sanitation Authority shall be named as beneficiary on this Performance Bond.

IN WITNESS WHEREOF, the above-bounden parties have executed this instrument under their seal this _____ day of _____, 20_____, the name and corporate seal of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

CONTRACTOR

SURETY

Contractor Firm Name

By: _____
Signature

Printed Name

Title

By: _____
Attorney-in-Fact Signature

Printed Name

Resident Agent

ATTEST:

Corporate Secretary (Corporations only)

Section III

General Provisions & Technical Specifications for Sanitary Sewer Construction

(Separate document incorporated by reference)