

CITY OF MOUNT VERNON
**ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT
PROJECT**

CONTRACT DOCUMENTS

April 17, 2025

| | |
|------------------------|----------------|
| MAYOR: | John Lewis |
| CITY MANAGER: | Nathan McKenna |
| PUBLIC WORKS DIRECTOR: | Matt Fauss |
| COUNCIL MEMBERS: | Raymond Botch |
| | Donte Moore |
| | Joe Gliosci |
| | Mike Young |

Prepared By:
CITY OF MT. VERNON
PUBLIC WORKS DEPARTMENT
1201 CASEY AVENUE
MT.VERNON, ILLINOIS 62864
PH: 618-242-6853
FAX: 618-242-6861

CITY OF MOUNT VERNON
ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT
TABLE OF CONTENTS

Advertisement for Bidders..... A-1

Instructions to Bidders..... A-2 thru A-4

General Conditions GC-1 thru GC-5

Equal Employment Opportunity EEO-1 thru EEO-2

Prevailing Wage Requirements..... P-1

Bid B-1

Bid BondBB-1 thru BB-2

Notice of Award.....NA-1

Agreement.....AG-1 thru AG-3

Performance BondPB-1 thru PB-2

Notice to Proceed.....NP-1

Technical Specifications.....

ATTACHMENTS

See Site Plan Drawings

CITY OF MT. VERNON
ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT
PROJECT
Advertisement for Bids

Sealed bids will be received by the City Clerk of Mt. Vernon, City Hall, Room 100, 1100 Main, Mt. Vernon, IL 62864, until **10:00 A.M.** on **Tuesday, May 13th, 2025.** Bids will be publicly opened and read aloud. Bid packets/Specifications may be obtained from the Mt. Vernon City Clerk's Office, City Hall, Room 100, 1100 Main, Mt. Vernon, IL 62864. The City Reserves the right to reject any and/or all bids, and may accept that which is most advantageous to the City of Mt. Vernon. The successful bidder shall be an equal opportunity employer. Envelopes containing bid shall be plainly marked on the outside specifying project "**ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT**". The project generally consists of installing 265 feet of 10" pvc water main and 110 feet of 16" steel casing. For further information contact Matt Fauss, Public Works Director, Public Works Department, 1201 Casey Avenue, Mt. Vernon, Illinois 62864, telephone: (618) 242-6853, Email: matt.fauss@mtvernon.com

Matt Fauss, Public Works Director

April 17th, 2025
Date

INSTRUCTIONS FOR BIDDERS

BIDS will be received by the CITY OF MOUNT VERNON herein called the "OWNER", at the City Clerk's Office until **10:00 AM** on **Tuesday, May 13th, 2025**. The sealed bids will then be opened and read aloud.

Each BID must be submitted in a sealed envelope, addressed to the CITY OF MOUNT VERNON. Each sealed envelope containing a BID must be plainly marked on the outside as BID for **ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT** and the envelope should bear on the outside the BIDDER's name, address, and license number if applicable. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope addressed to the OWNER at **CITY OF MOUNT VERNON, 1100 Main Street, Mt. Vernon, IL 62864.**

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

The OWNER may waive any informalities or minor defects or reject any and all BIDS. Any BID may be withdrawn prior to the above scheduled time for the opening of BIDS or authorized postponement thereof. Any BID received after the time and date specified shall not be considered. No BIDDER may withdraw a BID within 60 days after the actual date of the opening thereof. Should there be reasons why the contract cannot be awarded within the specified period, the time may be extended by mutual agreement between the OWNER and the BIDDER.

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

Instructions for Bidders

Each bid must be accompanied by a BID bond payable to the OWNER for five percent (5%) of the total amount of the BID. As soon as the BID prices have been compared, the OWNER will return the BONDS of all except the three lowest responsive BIDDERS. When the Agreement is executed the bonds of the two remaining unsuccessful BIDDERS will be returned. The BID BOND of the successful BIDDER will be retained until the payment BOND and PERFORMANCE BOND have been executed and approved, after which it will be returned. A certified check may be used in lieu of a BID BOND.

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

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

The party to whom the contract is awarded will be required to execute the Agreement and obtain the PERFORMANCE BOND AND CERTIFICATE OF INSURANCE STATING CONTRACTOR COVERAGE LIMITS, CERTIFICATE OF INSURANCE NAMING CITY OF MOUNT VERNON AS AN "ADDITIONAL INSURED" within ten (10) calendar days from the date when "Notice of Award" is delivered to the BIDDER. The "Notice of Award" shall be accompanied by the necessary AGREEMENT and BOND forms. In case of failure of the BIDDER to execute the Agreement, the OWNER may consider the BIDDER in default, in which case the BID BOND accompanying the proposal shall become the property of the OWNER.

The OWNER within ten (10) days of receipt of acceptable PERFORMANCE BOND, CERTIFICATE OF INSURANCE STATING CONTRACTOR COVERAGE LIMITS, CERTIFICATE OF INSURANCE NAMING CITY OF MOUNT VERNON AS AN "ADDITIONAL INSURED" and AGREEMENT signed by the party to whom the Agreement was awarded shall sign the Agreement and return to such party an executed duplicate of the Agreement. Should the OWNER not execute the Agreement within such period, the BIDDER may by WRITTEN NOTICE withdraw the signed Agreement. Such notice of withdrawal shall be effective upon receipt of the notice by the OWNER.

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

Instructions for Bidders

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

A conditional or qualified BID will not be accepted.

The City reserves the right to reject any and/or all bids, and may accept that which is most advantageous to the City of Mt. Vernon.

Payment terms are as allowed under the Prompt Payment Act of the State of Illinois. All payments of contracts are to be 30 days net after acceptance of services or materials by the Department Head unless otherwise stated and previously agreed to by Contractor and CITY OF MOUNT VERNON. All partial payments on contract will require a "Waiver of Lien to Date". Final payment of contract will require submittal of all "Final Waiver of Lien" before final payment is submitted to awarded BIDDER. Notification of any deviation from the 30 day terms is to be approved by the Finance Director and City Manager prior to awarding of the contract.

All applicable laws, ordinances, and the rules and regulations of all authorities having jurisdiction over construction of the PROJECT shall apply to the contract throughout.

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

The low BIDDER shall supply the names and addresses of major material SUPPLIERS and SUBCONTRACTORS when required to do so by the OWNER.

Questions concerning the Contract Documents should be addressed to Matt Fauss, Public Works Director, at City of Mt. Vernon, Mt. Vernon, IL 62864.

GENERAL CONDITIONS

The following, known as the "General Conditions", applies in full and equal force to each and every contract or subcontract and is to be an inclusive part of every such contract.

1-1 TERMINATION OF CONTRACT

In the event that any of the provisions of this contract are violated by the contractor, or by any of his subcontractors, the City, through his authorized representative may serve written notice upon the contractor of his intention to terminate the contract, such notices to contain the reason for such intention to terminate the contract, and unless within ten (10) days after the serving of such notice upon the contractor, such violation or delay will cease and satisfactory arrangement of correction be made the contract shall, upon the expiration of said ten (10) days, cease and terminate. In the event of any such termination, the City may take over the work and prosecute the same to completion by contract or by force account and at expense of the contractor and the contractor shall be liable to the City for any costs in excess of the contract amount herein. **Any contractor that has had his contract terminated for any cause shall be disqualified from doing business with CITY OF MOUNT VERNON for a period of five (5) years.**

1-2 CITY'S RIGHT TO TERMINATE THE CONTRACT

Should the contractor neglect to prosecute the work properly or fail to perform any provision of the contract, the City after seven (7) days written notice to the contractor and his surety, if any, may without prejudice to any other remedy he may have, make good the deficiencies and may deduct the cost thereof from the payment then or thereafter due to the contractor, or at his option may terminate the contract and take possession of all materials, tool and appliances and finish the work by such means as he sees fit; and if the unpaid balance of the contract price exceeds the expense of finishing the work, such excess shall be paid to the contractor, but if such expenses exceeds such unpaid balance, the contractor shall pay the difference to the owner.

1-3 ASSIGNMENT OF CONTRACT

The contractor shall not assign this contract without written consent of the City. The request for assignment must be addressed to the City.

1-4 EXCUSABLE DELAYS

The right of the contractor to proceed shall not be terminated nor shall the contractor be charged with liquidated damages for any delays due to the following:

- A. Acts of the Government restricting labor, equipment or materials by reason of national emergency.
- B. Causes beyond the control and without the fault or negligence of the Contractor including but not restricted to the following:
 - 1) Acts of God
 - 2) Fires
 - 3) Floods
 - 4) Epidemics
 - 5) Quarantine Restrictions
 - 6) Strikes

7) Freight embargoes and weather conditions of unusual severity.

It is the responsibility of the Contractor to notify the City's Representative in writing of any such delays or abatement of five (5) consecutive days. Upon receipt of such notifications, the City's Representative will evaluate the cause and extent of delay. If upon the basis of the facts and the terms of this agreement, the delay is found properly excusable (Acts of God), the City shall in writing the time for project completion for a period of time commensurate with the period of the excusable delay.

1-5 PAYMENTS

Payments shall be made as provided on Page A-4 of the "Instructions to Bidders". Any partial payments made will require a "Waiver of Lien to Date". The making and acceptance of the final payment shall constitute a "Final Waiver of Lien" of all claims by the Owner, other than those arising from unsettled liens or from faulty work appearing thereafter, and of all claims by the Contractor, except any previously made and still unsettled. Payments otherwise due may be withheld on account of defective work not remedied, liens filed, late penalty fees, damage by the Contractor to others not remedied adjusted or failure to make payments properly to agents or for material or labor.

1-6 CLEAN PREMISES

Each Contractor shall endeavor to keep the premises clean and orderly during the course of the work. Immediately at the end of the work, the Contractor shall remove his rubbish, refuse and unused materials from the premises and street, at his cost. Materials and equipment that have been removed and replaced as part of the approved work shall belong to the Contractor, unless otherwise stipulated.

1-7 SUBCONTRACTS

A. No proposed subcontractor shall be disapproved except for cause.

B. The Contractor shall be as fully responsible for the acts and omissions of his subcontractors, and of persons either directly or indirectly employed by them, as he is for the acts and omissions of persons directly employed by him.

C. The contractor shall cause appropriate provision to be inserted in all subcontractors relative to the work to require compliance by each subcontractor with the applicable provisions of the contract for the property rehabilitation work.

1-8 FITTING AND COORDINATION OF THE WORK

The contractor shall be responsible for the proper fitting of all work and for the coordination of the operations of all trades, subcontractors, or material men engaged upon this contract. He shall provide and guarantee to each of his subcontractors the locations and measurements which they may require for the fitting of their work to all surrounding work.

1-9 CHANGES IN WORK

A. The City of Mt. Vernon, without invalidating the contract, may order changes in the work within the general scope of the contract consisting of additions, deletions or other revisions, the contract sum and the contract time being adjusted accordingly. All such changes in the work shall be authorized by Change Orders, and shall be performed under the applicable conditions of the contract documents.

B. Each Change Order shall include in its final form:

1. A detailed description of the change in the work.
2. The contractor's proposal (if any) or a conformed copy thereof.
3. A definite statement as to the resulting change in the contract price and/or time.
4. The statement that all work involved in the change shall be performed in accordance with contract requirements except as modified by the Change Order.

1-10 DISPUTES AND ARBITRATION

A. All disputes arising under this contract or its interpretation, whether involving law or fact or both, or extra work, and all claims for alleged breach of contract shall, within ten (10) days of commencement of the dispute, be presented by the contractor to the owner and the City's authorized representative for decision. All papers pertaining to claims shall be filed in quadruplicate. Such notice need not detail the amount of the claim but shall state the facts surrounding the claim in sufficient detail to identify the claim, together with its character and scope. In the meantime the contractor shall proceed with the work as directed. Any claims not presented within the time limit specified in this paragraph shall be deemed to have been waived, except that if the claim is of a continuing character and notice of the claim is not given within (10) days prior to the receipt by the owner and the City's authorized representative of notice thereof.

B. The contractor shall submit in detail his claim and his proof thereof. Each decision by the City's authorized representative will be in writing and will be mailed to the contractor by registered or certified mail, return receipt requested, directed to his last known address.

C. If the Contractor does not agree with any decision of the City's representative, he shall in no case allow the dispute to delay the work, but shall notify the owner and the City's representative promptly that he is proceeding with the work under protest and he may then accept the matter in question from the final release.

D. All claims, disputes and other matters in question arising out of or relating to this contract or the breach thereof, and except for claims which have been waived by the making or acceptance of final payment shall be decided by arbitration in accordance with the Construction Industry Arbitration Rules of the American Arbitration Association then obtaining unless the parties mutually agree otherwise. This agreement to arbitrate shall be specifically enforceable under the prevailing arbitration law.

E. Notice of the demand for arbitration shall be filed in writing with the other party to the contract and with the American Arbitration Association. The demand or the arbitration shall be made within a reasonable time after the claim, dispute or other matter in question has arisen, and in no event shall it be made after the date when institution of legal or equitable proceedings based on such claim, dispute or other matter in question would be barred by the applicant's statute of limitations.

F. The award rendered by the arbitrators shall be final and judgment may be entered upon it in accordance with applicable law in any court having jurisdiction thereof.

G. The contractor shall carry on the work and maintain the progress schedule during any arbitration proceedings, unless otherwise agreed by him and the City in writing.

1-11 LIABILITY

The contractor shall indemnify and save harmless the owner and his representative from all claims, liabilities, suits or action at law or equity of any kind whatsoever arising out of, connected with or caused by any operation or matter relating to this contract, including among other things, injury to property and injury to, sickness and death of each and every person or persons whatsoever, including without limitation members of the public and employees of the contractor or any sub-contractor.

1-12 LIABILITY INSURANCE

Each contractor must carry adequate liability insurance, as stated herein, for damages and accidents that may result directly or indirectly from the performance of work as called for in this contract; either to the building or to the general public, or the surrounding property adjoining said premises, or to employees, laborers, mechanics or other persons. The owner may carry tornado and/or fire insurance on the property, but this insurance does not cover damage to or loss of contractor's tools, equipment, or materials stored on the property. The contractor shall hold and indemnify the CITY OF MOUNT VERNON against any and all damages, injury or accidents suffered under the performance of this contract or as a result of the storage of materials on the property.

1-13 LIENS

The final payment shall not be due until the contractor has delivered to the City a complete release of all liens arising out of this contract, or receipts in full covering all labor and materials for which a lien could be filed.

1-14 SAFETY

The contractor shall exercise proper precaution at all times for the protection of persons and property and shall be responsible for all damages to persons or property, either on or off the site, which occur as a result of his prosecution of the work.

1-15 SUPERVISION

General Contractor shall directly supervise all structural repairs and provide supervision to oversee that all work is performed to accepted trade practices.

1-16 SUGGESTIONS

The contractor is directed to avoid side agreements with owners and/or owner's agents for additional work or materials over and above the original contract. Such suggestions will be offered directly by the City Manager.

1-17 LABOR - MATERIALS AND WORKMANSHIP

The contractor is to furnish all cartage, labor, equipment, etc., at his expense, which may be necessary to the execution of the contract. All materials used under these specifications shall be new, of same grade, quality dimensions and design as that originally installed unless otherwise specified herein. Materials and/or workmanship failing to meet these requirements shall be replaced at the contractor's expense. Acceptance of materials and/or

workmanship by an authorized representative of the City prior to completion of the contract does not relieve the contractor from his responsibility and obligation to turn over the same in perfect condition at the completion of the work.

All work shall be performed by mechanics skilled in their respective trades in accordance with the best practices of the trade.

1-18 SUBSTITUTION

Before any substitutions of materials are made, the written consent of CITY OF MOUNT VERNON must be obtained.

1-19 CORRECTION OF WORK AND GUARANTEE

The contractor shall guarantee and re-execute any work that fails to conform to the requirements of the contract and that appears during the progress of work.

1-20 TECHNICAL SPECIFICATIONS AND DRAWINGS

Anything mentioned in the Technical Specifications and not shown on the drawings or shown on the drawings and not mentioned in the Technical Specifications, shall be of like effect as if shown on or mentioned in both.

1-21 WEEKENDS

Requests for weekend work will be considered on a case by case basis and must have prior approval by the City of Mt. Vernon.

1-22 RESPONSIBILITY OF CONTRACTOR

Except as otherwise specifically stated in the Contract Documents and Technical Specifications, the contractor shall provide and pay for all materials, labor, tools, equipment, levies, fees or other expenses and all other services and facilities of every nature whatsoever necessary for the performance of the contract complete in every respect within the specified time.

1-23 COMMUNICATIONS

A. All notices, demands, requests, instructions, approvals, proposals and claims must be in writing.

B. Any notice to or demand upon the contractor shall be sufficiently given if delivered at the office of the contractor stated on the signature page of the agreement (or at such other office as the contractor may from time to time designate, in writing to the owner or his authorized representative).

Any such notice shall be deemed to have been given as of the time of actual delivery or (in the case of mailing when the same should have been received in due course of post, or in the case of telegrams, at the time of actual receipt, as the case may be).

“EQUAL EMPLOYMENT OPPORTUNITY”

In the event of the contractor's noncompliance with any provision of this Equal Employment Opportunity Clause, the Illinois Fair Employment Practices Act or the Fair Employment Practices Commission's Rules and Regulations for Public Contracts, the contractor may be declared nonresponsible and therefore ineligible for future contracts or sub-contracts with the State of Illinois or any of its political subdivisions or municipal corporations, and the contract may be canceled 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 performing of 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, national origin or ancestry; 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 it hires additional employees in order to perform this contract or any portion hereof, it will determine the availability (in accordance with the Commission's Rules and Regulations for Public Contracts) of minorities and women in the area(s) from which it may reasonably recruit, and it will hire for each job classification for which employees are hired in such a way that minorities and women are not underutilized.
- 3) That, in all solicitations or advertisements for employees placed by it or on its behalf, it will state that all applicants will be afforded equal opportunity without discrimination because of race, color, religion, sex, national origin or ancestry.
- 4) That it will send to each labor organization or representative of workers with which it 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 obligation under the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts. If any such labor organization or representative fails or refuses to cooperate with the contractor in its efforts to comply with such Act and Rules and Regulations, the contractor will promptly so notify the Illinois Fair Employment Practices Commission and the contracting agency and will recruit employees from other sources when necessary to fulfill its obligations thereunder.
- 5) That it will submit reports as required by the Illinois Fair Employment Practices Commission's Rules and Regulations for Public Contracts, furnish all relevant information as may from time to time be requested by the Commission or the contracting agency, and in all respects comply with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.
- 6) That it will permit access to all relevant books, records, accounts and work sites by personnel of the contracting agency and the Illinois Fair Employment Practices Commission for purposes of investigation to ascertain compliance with the Illinois Fair Employment Practices Act and the Commission's Rules and Regulations for Public Contracts.

- 7) That it will include verbatim or by reference, the provisions of paragraphs 1 through 7 of this clause in every performance subcontract as defined in Section 2.10(b) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such subcontractor; and that it will also include the provisions of paragraphs 1, 5, 6, and 7 in every supply subcontract as defined in Section 2.10(a) of the Commission's Rules and Regulations for Public Contracts so that such provisions will be binding upon every such 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 all its subcontractors; and further it will promptly notify the contracting agency and the Illinois Fair Employment Practices Commission in the event any subcontractor fails or refuses to comply therewith.

In addition, no contractor will utilize any subcontractor declared by the Commission to be nonresponsible and therefore, ineligible for contracts or subcontracts with the State of Illinois or any of its political subdivisions or municipal corporations.

With respect to the two types of subcontracts referred to under Paragraph 7 of the Equal Employment Clause above, following is an excerpt of Section 2 of the FEPC's Rules and Regulations for Public Contracts.

Section 2.10. The term "Subcontract" means any agreement, arrangement or understanding, written or otherwise, between a contractor and any person (in which the parties do not stand in the relationship of an employer and an employee).

(a) For the furnishing of supplies or services or for the use of real or personal property, including lease arrangements, which, in whole or in part, is utilized in the performance of any one or more contracts; or

(b) Under which any portion of the contractor's obligation under any one or more contracts is performed, undertaken or assume.

To All Prospective Bidders

This contract calls for the construction of a “public work”, within the meaning of the Illinois Prevailing Wage Act, 820 ILCS 130/ .01 et seq. (“The Act”). The Act requires contractors and subcontractors to pay laborers, workers and mechanics performing services on public works projects no less than the current “prevailing rate of wages” (hourly cash wages plus the amount for fringe benefits) in the county (Jefferson) where the work is being performed. The department publishes the prevailing wage rates on its website at <http://labor.illinois.gov/>. The department revises the prevailing wage rates and the contractor/subcontractor has an obligation to check the Department’s website for revisions to prevailing wage rates. For information regarding current prevailing wage rates, please refer to the Illinois Department of Labor’s website. All contractors and subcontractors rendering services under this contract must comply with all requirements of the Act, including but not limited to, all wage requirements and notice and record keeping duties. A certified payroll must be given to owner upon completion of the project.

CITY OF MT. VERNON

ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT

BID

Proposal of _____(hereinafter called "BIDDER"), to the CITY OF MOUNT VERNON (hereinafter called "Owner"). In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all WORK AND MATERIALS for construction of **ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT** in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the bid stated below. BIDDER also agrees to perform work per the unit prices as shown on the attached bid schedule.

BIDDER hereby agrees to commence WORK under this contract on or before a date to be specified in the NOTICE TO PROCEED.

Signature

Base BID Amount \$ _____

Alternate #1 _____ n/a

Company _____

Address _____

Phone _____

Representative _____

Authorized Signature _____

Date _____

Note: Bidder shall also include Bid Schedule with this Bid sheet.

Insert Bid Form Here

BID BOND

NOW ALL MEN BY THESE PRESENTS, that we undersigned, _____
as Principal, and _____ as Surety, and firmly bound into CITY
OF MOUNT VERNON as Owner in the penal sum of _____
for the payment of which, well and truly to be made, we hereby jointly and severally bind
ourselves, successors and assigns.

Signed, this _____ day of _____, 2025. The Condition of the above obligation
is such that whereas the Principal has submitted to CITY OF MOUNT VERNON a certain
Bid, attached hereto and hereby made a part hereof to enter into a contract in writing, for
the:

ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT

NOW, THEREFORE,

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

Bid Bond

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

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

Principal

Surety

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

CONTRACTOR:

By: _____

NAME: _____
(Please Type)

ADDRESS: _____

EMPLOYER I.D. NO: _____

SEAL:

ATTEST:

NAME: _____

(Please Type) _____

NOTICE OF AWARD

TO:

PROJECT DESCRIPTION: **ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT**. The OWNER has considered the BID submitted by you for the above described WORK in response to its Advertisement for Bids dated April 17th, 2025.

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

You are required by the Information for Bidders to execute the Agreement and furnish the required CONTRACTOR'S Performance BOND, and Certificates of Insurance within ten (10) calendar days from the date of this Notice to you and prior to any work being performed at the job site.

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

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

Dated this _____ day of _____, 2025.

CITY OF MOUNT VERNON
Owner

By _____

Title _____
City Manager

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged.

This the ____ day of _____, 2025

By: _____
Signature

Company Name _____

AGREEMENT

THIS AGREEMENT, made this _____ day of _____, 2025 by and between the **CITY OF MOUNT VERNON** hereinafter called "OWNER" and _____ hereinafter called "CONTRACTOR" WITNESSETH:

That for and in consideration of the payments and agreements herein after mentioned:

1. The CONTRACTOR will commence and complete the

ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT

2. The CONTRACTOR will furnish all of the materials, supplies, tools, equipment, labor, and other services necessary for the construction and completion of the PROJECT described herein.

3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within 7 calendar days after the date of the NOTICE TO PROCEED and should complete the project prior to September 30, 2025. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of

\$ _____ or as shown in the BID schedule.

4. The term "CONTRACT DOCUMENTS" means and includes the following:

- A. Advertisement for Bids
- B. Information for Bidders
- C. General Conditions
- D. Equal Employment Opportunity
- E. Prevailing Wage Requirements
- F. Bid

- G. Bid Bond
- H. Notice of Award
- I. Agreement
- J. Performance Bond
- K. Notice to Proceed
- L. Change Order
- M. Technical Specification
- N. Project Drawing
- O. Addenda

5. CITY OF MT. VERNON will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.

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

IN WITNESS WHEREOF, the parties hereto have executed or caused to be executed by their duly authorized official, this Agreement in three (3) copies each of which shall be deemed an original on the date first written above.

OWNER: CITY OF MOUNT VERNON

BY: _____

NAME: Nathan McKenna

TITLE: City Manager

SEAL:

ATTEST: _____

NAME: Becky Barbour

TITLE: City Clerk

CONTRACTOR:

BY: _____

NAME: _____
(Please Type)

ADDRESS: _____

EMPLOYER ID NO. _____

SEAL:

ATTEST: _____

NAME: _____
(Please Type)

PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS: that

(Name of Contractor)

(Address of Contractor)

_____, hereinafter called
(Corporation, Partnership, or Individual)

Principal, and _____
(Name of Surety)

(Address of Surety)

hereinafter called Surety, are held and firmly bound unto _____

CITY OF MOUNT VERNON, 1100 Main Street, Mt. Vernon, IL 62864
(Name & Address of Owner)

hereinafter called OWNER, in the total aggregate penal sum of (\$ _____)

in lawful money of the United States, for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

The CONDITION OF THIS OBLIGATION is such that whereas, the Principal entered into a certain contract with the OWNER, dated the ____ day of _____, 2025, a copy of which is hereto attached and made a part hereof for the:

ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT

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

Performance Bond

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

PROVIDED, FURTHER, that is expressly agreed that this BOND shall be deemed amended automatically and immediately, without formal and separate amendments hereto, upon amendment to the Contract not increasing the contract price more than 20 percent, so as to bind the PRINCIPAL and the SURETY to the full and faithful performance of the Contract as so amended. The term "Amendment", wherever used in this BOND, and whether referring to the BOND, the Contract or the Loan Documents shall include any alteration, addition, extension, or modification of any character whatsoever.

WITNESS WHEREOF, this instrument is executed in three (3) counterparts, each of which shall be deemed an original, this the _____ day of _____, 2025.

ATTEST:

Principal

(Principal) Secretary

(SEAL)

By _____

(Address)

Surety

ATTEST:

Witness as to Surety

By _____
Attorney-in-Fact

(Address)

(Address)

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

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

NOTICE TO PROCEED

Date:

TO:

PROJECT: **ROUTE 15 & S. 45TH STREET WATER MAIN REPLACEMENT PROJECT**

You are hereby notified to commence WORK in accordance with the Agreement dated _____, 2025. The project should be completed by September 30, 2025.

CITY OF MOUNT VERNON
Owner

By _____

Title Public Works Director

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged:

this, the _____ day of _____, 2025.

By _____
Signature

Company Name: _____

Employer ID
Number _____

TECHNICAL SPECIFICATIONS

Scope of the project will include the following:

- 1. Water main construction shall be completed in accordance with the Standard Specifications for Water & Sewer Main Construction in Illinois.**
- 2. The contractor is responsible for his own layout & grade control. The proposed water main shall be installed at the grade, lines, and levels as shown on the plans. The contractor shall probe or hand-dig to locate any utilities to determine depths prior to installing water main.**
- 3. The water main shall be PVC, SDR21 for class 200 in accordance with section 40 of the standard specifications and conform to ASTM D2241. Restrained Joint pipe shall be yellowmine PVC, SDR21 for class 200. RJ pipe shall be furnished with twin gasket couplings, nylon splines, rubber rings, and lubricant. Fittings for the RJ pipe shall be of the same material as the pipe. All other fittings shall be push-on ductile iron class 350 (rubber gasket) with mechanical joints, ANSI C153/AWWA A21.53 & ANSI C111/AWWA A21.11. Ductile iron fittings shall have Cor-blue bolts. See plan sheet C-2 for specifications on fire hydrants, valves, tees, & other watermain appurtenances.**
- 4. 16" Steel Casing - Bore and Jack. The contractor shall furnish all equipment, machinery, labor & materials necessary to perform all operations in connection with the boring of 16" steel casing. Casing pipe shall be ASTM A139 Grade B, welded steel pipe with a minimum wall thickness of ¼". The casing pipe shall have end caps. To prevent the carrier pipe from resting on the bells, casing spacers shall be installed, three to a pipe segment. Casing pipe shall be bored & jacked. The contractor shall fill over the excavation of the bore & recovery pits at entrance and exit of the water main with compacted CA6 to the bottom of the bore hole giving a sound foundation for the water main preventing the pipe from shearing as the backfill settles. Payment for the rock shall be incidental cost of the Bore & Jack Casing.**
- 5. A City dump site will not be provided for excess excavated material. It will be the contractor's responsibility to haul off any unused material at their own determined dump site.**

6. Approximately 145 lf of 10" diameter water main shall be abandoned in-place. Abandonment shall consist of capping each end and filling pipe with flowable fill.
7. Pavement Patching. All patches shall be as Class C Patches, Type IV, 10" thick. Sidewalk that is removed does not need to be replaced. The pavement patch shall include the pavement removed and extend back to the back of existing curb (the curb section does not need to be replaced).
8. Trench backfill. Trench backfill has been calculated for any pipe section that is to be installed within 2 feet of pavement. The trench backfill rock shall consist of CA6.
9. ~~There are some fences that need to be temporarily removed & replaced in order to install sanitary sewer main and services. The fences are generally chain link and shall be restored to their original condition or better upon completion of the project. This work is incidental to the project. It is recommended that the fencing be tunneled under where possible so that restoration is not a problem.~~
10. ~~Trees & brush: There are a few trees and brush to be removed in order to install the pipe. This work is incidental to cost of project. The trees to be removed are shown on the plans. Any removed trees may be stockpiled on the "city lot" and the City will be responsible for removal.~~
11. An erosion control permit (NOI Permit) will not be required. The total estimate area to be disturbed is less than 1 acre. General erosion control practices shall be followed and shall be incidental to the cost of the project.
12. Traffic control – The contractor shall be responsible for the proper installation and arrangement of all traffic control devices. Special attention shall be given to advance warning signs during construction to ensure that driving lane assignments are consistent with properly located barricades at any given stage of construction. At the end of each day's work all trenches shall be backfilled flush with the surface. For areas that are to be re-opened the next day, the contractor may plate the portion to

be re-opened. Traffic Control and Protection Devices shall conform to the IDOT Traffic Control and Protection Standards 701901-01.

13.Landscaping shall be performed in accordance with IDOT standard specifications.

14.IDOT Utility Permit – A permit has been obtained from IDOT for this project and is located at the public works office at 1201 Casey Avenue, Mt. Vernon, IL. The awarded contractor shall sign this permit and keep a copy of said permit with project crew whenever equipment occupy State Route 15 ROW. Failure to comply may result in cessation of all construction.

Bid Form

Project:

Rt. 15 & S. 45th St. Water Main Replacement Project
 Mt. Vernon, Illinois

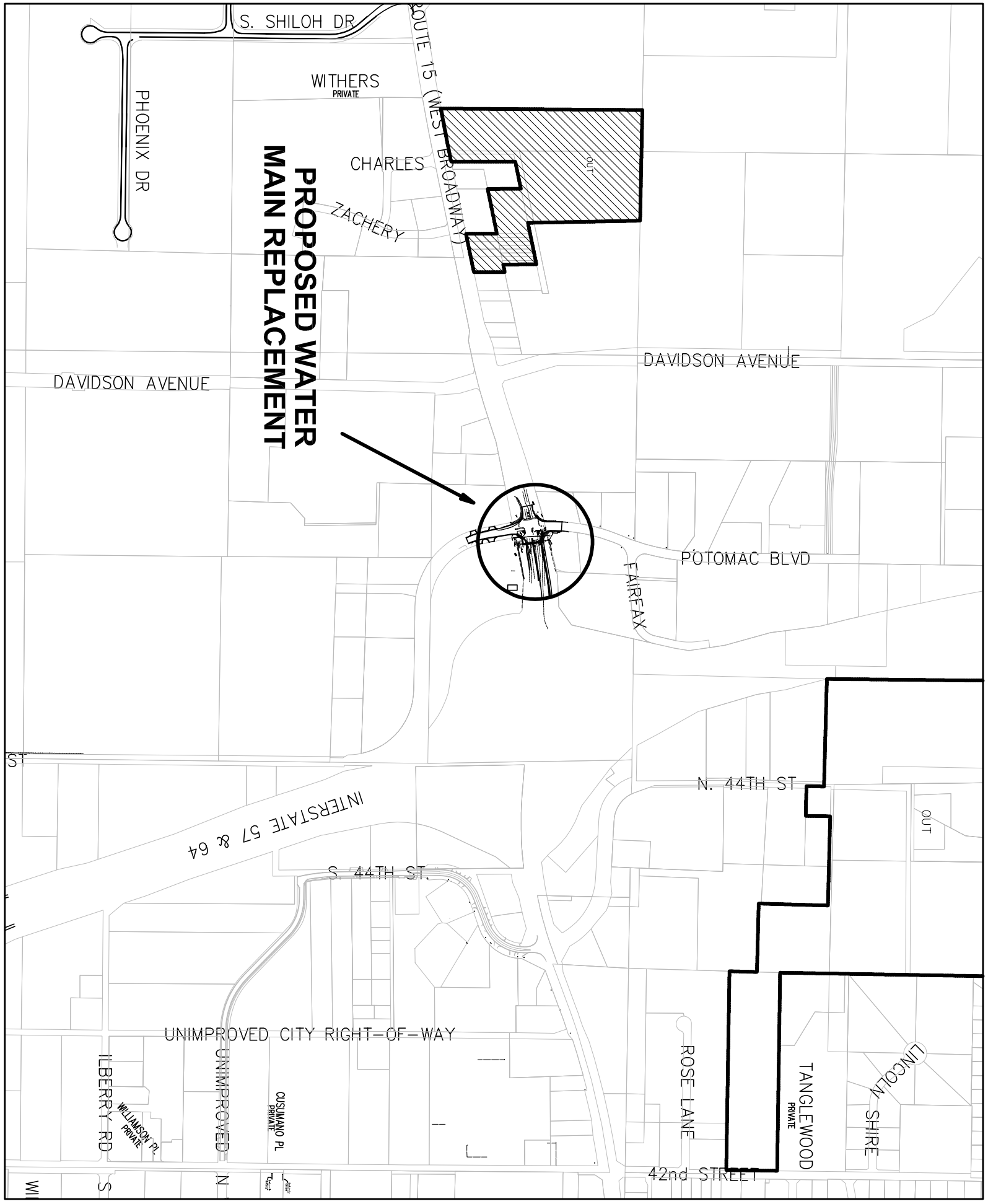


| ITEM | QUANTITY | UNIT | CONTRACTED COST | |
|-----------------------------------|----------|------|-----------------|-------|
| | | | UNIT PRICE | PRICE |
| Cut & Cap Existing 10" Main | 2 | EA | | |
| Abandon 10" pipe w/ flowable fill | 145 | LF | | |
| 16" Steel Casing - Bore & Jack | 110 | LF | | |
| 10" PVC SDR21 Water Main | 145 | LF | | |
| 10" RJ PVC SDR21 Water Main | 120 | LF | | |
| 10" MJ Sleeve | 2 | EA | | |
| 10" Mech. Joint D.I. 90 Elbow | 2 | EA | | |
| 10" Mech. Joint D.I. 45 Elbow | 1 | EA | | |
| 10" D.I. Gate Valve & Box | 1 | EA | | |
| Pavement Patch, 10" concrete | 140 | SF | | |
| Trench Backfill | 50 | TON | | |
| | | | | |
| | | | | |
| | | | Total | |
| | | | | |
| | | | | |

Contractor: _____

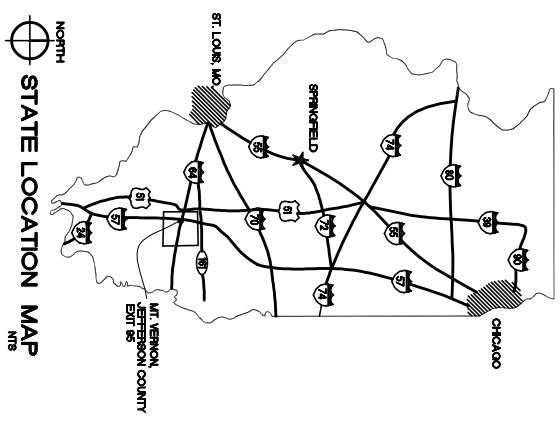
Date: _____

Route 15 and S. 45th Street MAIN REPLACEMENT PROJECT MT. VERNON, ILLINOIS



1\"/>

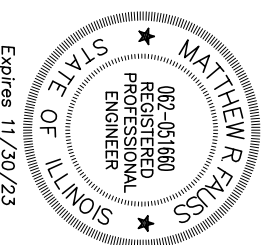
- SCHEDULE OF DRAWINGS**
- C-1 COVER SHEET
 - C-2 DETAILS
 - C-3 SITE PLAN
 - C-4 WATER MAIN PROFILE



STATE LOCATION MAP

LOCAL UTILITIES
 GAS AND ELECTRIC
 AMERENIP
 PH: 618-244-8271
 ELECTRIC
 TRI-COUNTY ELECTRIC, INC.
 CONTACT: DANNY HOPFINGER
 PH: 618-244-5151
 TELEPHONE
 AMERITECH
 CONTACT: DISTRICT ENGINEER
 PH: 618-533-3411
 CABLE TV
 CHARTER COMMUNICATIONS
 PH: 618-244-9382
 PUBLIC WORKS DEPARTMENT
 CONTACT: MATTHEW R. FAUSS, P.E.
 or STEPHEN TALLEY
 PH: 618-242-8853
 CITY ENGINEERING DEPARTMENT
 CONTACT: BRAD RUBLE, P.E.
 PH: 618-242-8890

BOUNDARY LINES
 ALL ROW AND PROPERTY LINES WERE DETERMINED FROM BEST AVAILABLE INFORMATION, AND DO NOT CONSTITUTE A BOUNDARY SURVEY IN ACCORDANCE WITH ILLINOIS STATE STATUTES



NOTE:
 PRIOR TO DIGGING, CONTRACTORS TO CALL UTILITY LOCATOR AT 1-800-822-0723 TO VERIFY LOCATION AND DEPTH OF EXISTING UNDERGROUND UTILITIES.

| | | | |
|--|---------------------|------------------------------------|--|
| JOB NAME: Route 15 and S. 45th Street WATERMAIN REPLACEMENT | | | |
| DRAWING TITLE: MOUNT VERNON, ILLINOIS | | | |
| SITE PLAN | | | |
| PLOT SCALE: 1:1 | DWN BY: MRF | FILE NAME: Rt15_Potomac.dwg | |
| DATE: 4/15/25 | APP. BY: MRF | FILE PATH: Water\2024-25 | |

CITY OF MOUNT VERNON
 ENGINEERING & INSPECTION DEPARTMENT
 1100 MAIN STREET MOUNT VERNON ILLINOIS (618) 242-6830



SHEET: **C-1**

SITE DETAILS

WATERMANS

ALL PLASTIC PIPE SHALL MEET THE SPECIFICATIONS OF THE NATIONAL SANITATION FOUNDATION (NSF). THE WATERMAIN SHALL BE PVC PIPE, PUSH-ON GASKETED JOINTS. SDR 26 FOR CL 160 OR SDR 21 FOR CL 200 IN ACCORDANCE WITH SECTION 40 OF THE STANDARD WATER AND SEWER SPECIFICATIONS AND SHALL CONFORM TO ASTM D2689. TAPPING SHALL BE PERFORMED AS SHOWN ON THE TAPPING SCHEDULE. ALL WATERMANS SHALL BE FLUSHED AND DISINFECTED ACCORDING TO THE SPECIFICATIONS. RESTAINED JOINT PIPE SHALL BE PVC SDR21 CLASS 200 PIPE AND FLUSHED WITH TWIN GASKET COUPLINGS, NYLON SPRINGS, RUBBER RINGS, AND LUBRICANT FITTINGS FOR R4 PIPE SHALL BE OF THE SAME MATERIAL AS PIPE. ALL OTHER FITTINGS SHALL BE PUSH-ON DUCTILE IRON CLASS 500 (GREYER GASKET) FITTINGS WITH NYLON SPRINGS (1 1/4" I.D./I.W.M.A. AS111). ALL VALVES AND HYDRANTS SHALL MEET CITY REQUIREMENTS.

ALL PIPE SHALL BE PRESSURE TESTED IN ACCORDANCE WITH SECTION 41-213 OF THE SPECIFICATIONS PRIOR TO BEING PLACED IN SERVICE.

MINIMUM RADIUS ON ALL PIPE BENDS SHALL BE 80' FOR 4" DIA. PIPE, 120' FOR 6" PIPE, 160' FOR 8" PIPE, AND 200' FOR 10" DIA. PIPE.

THE WATERMAIN SHALL BE INSTALLED WITH A MINIMUM 4" COVER OVER THE TOP OF THE PIPE. A MINIMUM 24" OF COVER SHALL BE PROVIDED OVER THE PIPE WHERE CROSSING WATER COURSES GREATER THAN 15' IN WIDTH. IN ADDITION, THE PIPE SHALL BE RESTRAINED JOINT PILING W/ VALVES AT EACH END. SECTION 8.2.2 OF THE RECOMMENDED STANDARDS FOR WATER WORKS, 1997 SHALL BE FOLLOWED.

TRACER WIRE, #12 GAUGE SINGLE STRAND COPPER TYPE THHN PVC INSULATED WITH 3/4" DIRECT BURRY SPLICES SHALL BE INSTALLED ADJACENT TO ALL WATERLINES AND CONNECTED TO ALL HYDRANTS AND VALVES.

WATER AND SEWER SEPARATION SHALL CONFORM TO THE MINIMUM HORIZONTAL AND VERTICAL SEPARATION BETWEEN WATER AND SEWER LINES. WATERMANS SHALL BE SEPARATED FROM SEPTIC TANKS, DISPOSAL FIELDS, AND SEEPAGE BEDS BY A DISTANCE OF 25 FEET.

TAPPING SLEEVES SHALL BE GRADE 18-8 TYPE 304 STAINLESS STEEL WITH A FULL GROUNDED INTERIOR GASKET. THE SLEEVES SHALL BE CORROSION RESISTANT, LIGHTWEIGHT, AND PROVIDE A FULL CIRCUMFERENTIAL SEAL. A STAINLESS STEEL TEST PLUG SHALL ALSO BE PROVIDED AS PART OF THE SLEEVE FOR PRESSURE TESTING. TAPPING SLEEVES SHALL BE 7.0" OR EQUAL.

FIRE HYDRANTS SHALL BE SET AT SUCH ELEVATIONS THAT THE CONNECTING PIPE WILL NOT HAVE LESS COVER THAN THE MAIN WATER MAIN. ALL HYDRANTS SHALL BE SET APPROXIMATELY FOUR INCHES ABOVE GROUND LEVEL. BLOCKING SHALL BE AS SHOWN ON THE DETAILS AND SHALL BE SET TO THE GRADE LEVEL OF THE GROUND. A WOODEN, NYLON, POLYPROPYLENE FABRIC SHALL BE PLACED OVER THE DRAINAGE. THE HYDRANT SHALL BE THOROUGHLY COMPACTED TO THE GRADE LINE AROUND THE HYDRANT. THE HYDRANT SHALL BE THOROUGHLY COMPACTED TO THE GRADE LINE AROUND THE HYDRANT. THE HYDRANT SHALL BE THOROUGHLY COMPACTED TO THE GRADE LINE AROUND THE HYDRANT. THE HYDRANT SHALL BE THOROUGHLY COMPACTED TO THE GRADE LINE AROUND THE HYDRANT. THE HYDRANT SHALL BE THOROUGHLY COMPACTED TO THE GRADE LINE AROUND THE HYDRANT.

WATER VALVES SHALL BE MUELLER A-2380 RESILIENT SEATED TYPE WITH NON-RISING VALVES FOR NON-RELOCATING WATER MAINS. WATER WORKING PRESSURE OF 200 PSI. VALVES SHALL BE RESILIENT WEDGE NON-RISING STEEL TYPE AND SHALL BE USED WITH THE TYPE OF PIPE AND JOINT TO BE INSTALLED. GATE VALVES SHALL HAVE A CLEAR WATERWAY EQUAL TO THE FULL NOMINAL DIAMETER OF THE VALVE AND SHALL BE INSTALLED IN THE DIRECTION OF FLOW. GATE VALVES SHALL BE CAST IN THE BODY. EACH VALVE SHALL BE TESTED BY HYDRAULIC PRESSURE EQUAL TO TWICE THE WATER WORKING PRESSURE. GATE VALVES SHALL CONFORM TO AWWA STANDARDS C509 & C590 AND BE MUELLER A-2380-23 WITH 0 RING SEALS.

VALVE BOXES SHALL BE DUCTILE IRON. BOXES SHALL BE OF THE EXTENSION TYPE WITH SCREW ADJUSTMENT AND FLARED BASE. THE MINIMUM THICKNESS OF METAL SHALL BE 3/16 INCH. THE WORD "WATER" SHALL BE CAST IN THE COVER. THE BOXES SHALL BE OF SUCH A LENGTH THAT WILL PERMIT ADJUSTMENT IN LENGTH, WITHOUT FULL EXTENSION, TO THE DEPTH OF THE VALVE AND COVER. EACH VALVE SHALL BE CENTERED ON THE VALVE. EARTH FILL SHALL BE CAREFULLY TAMPED AROUND EACH VALVE BOX TO A DISTANCE OF FOUR FEET (4') ON ALL SIDES OF THE BOX OR TO THE UNDISTURBED TRENCH FACE IF LESS THAN FOUR FEET (4').

GENERAL NOTES

ALL MATERIALS AND CONSTRUCTION NECESSARY TO COMPLETE THE WORK AS SHOWN SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS - LATEST EDITION.

ACTUAL LOCATION OF UNDERGROUND UTILITIES MAY DIFFER FROM THE LOCATION SHOWN ON THE PLANS. THE CONTRACTOR SHALL VERIFY ALL LOCATIONS PRIOR TO CONSTRUCTION, AND MUST ASSUME RESPONSIBILITY FOR ALL OF THE UTILITIES, WHETHER SHOWN OR NOT.

IN AREAS WHERE PIPE IS TO BE INSTALLED UNDER PROPOSED PAVEMENT, THE TRENCH SHALL BE BACKFILLED WITH C&G ONLY (NO SAND) AND COMPACTED TO 95% STANDARD PROCTOR DENSITY ACCORDING TO CASE III IN THE SPECIFICATIONS.

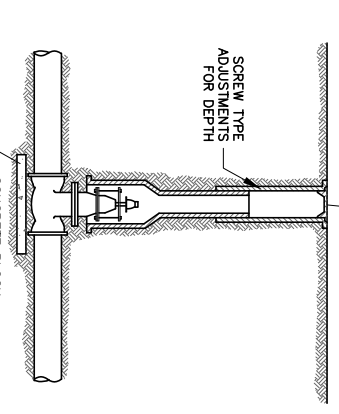
UPON COMPLETION, THE SURFACE SHALL BE RESTORED TO ITS ORIGINAL CONDITION. LANDSCAPE AREAS SHALL RECEIVE AT LEAST 4" OF TOPSOIL COMPACTED TO 95% STANDARD PROCTOR DENSITY. TEMPORARY DRIVEWAYS, IF NECESSARY, SHALL BE CONSTRUCTED BY THE CONTRACTOR AS DESIGNATED BY THE ENGINEER.

PRIVATE WATER SERVICES

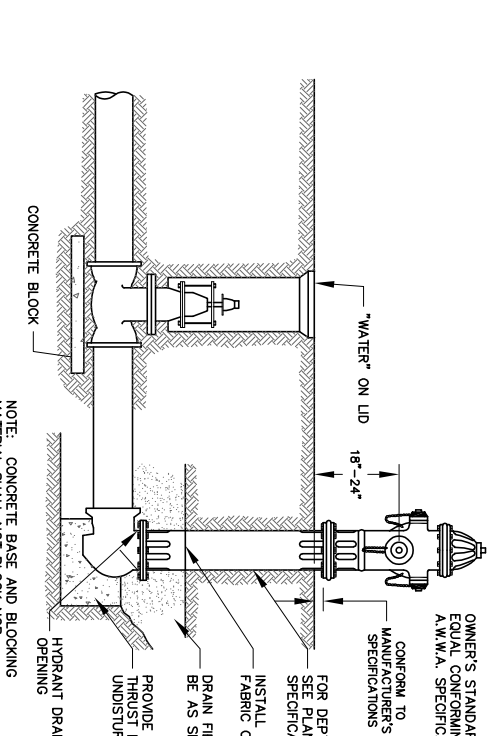
SERVICE CLAMPS - SERVICE CLAMPS SHALL BE MUELLER H-1300 SERIES BRONZE STRAP-TYPE AS REQUIRED FOR THE CORPORATION VALVE. THE USE OF SOLVENT WELD PLASTIC SADDLES WILL NOT BE PERMITTED. CORPORATION VALVES - THE CORPORATION VALVE SHALL BE BRASS. MUELLER BRONZE SADDLES SHALL BE USED TO CONNECT PRIVATE WATER SERVICES TO WATER SERVICE PIPES. ALL ROADS CROSSINGS SHALL BE DIRECTIONAL BOARDS WITH BRASS TOP AND BOTTOM PLATES. ALL PRIVATE WATER SERVICES SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER. ALL PRIVATE WATER SERVICES SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER. ALL PRIVATE WATER SERVICES SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER.

METERS - THE METER SHALL BE LOCATED ADJACENT TO THE PROPERTY LINE ON PRIVATE PROPERTY. THE METER SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER. THE METER SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER. THE METER SHALL BE INSTALLED TO THE DEPTH OF THE VALVE AND COVER.

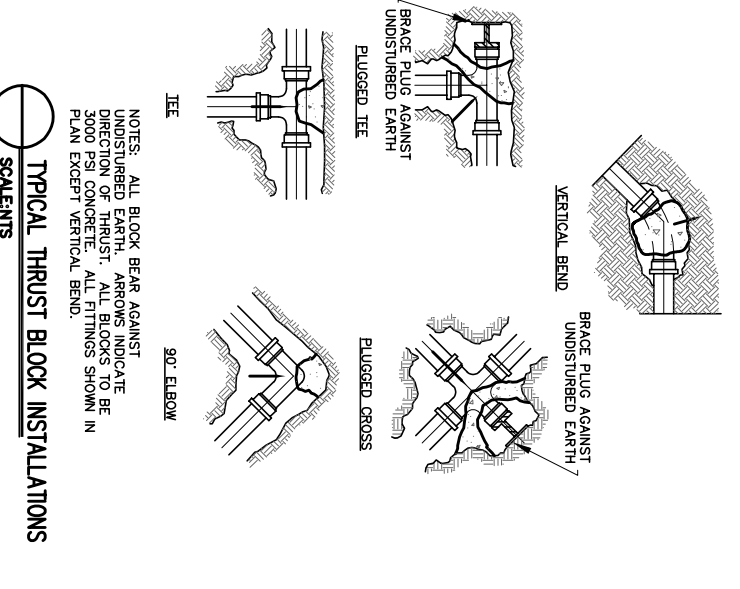
METER YOKES ASSEMBLY - METER YOKES ARE NOT REQUIRED FOR THE CITY OF MOUNT VERNON. ALL DANGER ON PREPARATORS - A 1" DOUBLE CHECK BACKFLOW PREVENTER SHALL BE INSTALLED INSIDE THE METER PIT. THE METER BOX SHALL BE 20" DIA. X 24" HIGH OF A PVC CONSTRUCTION WITH THE INSIDE COLORED WHITE. IT SHALL BE SUPPORTED ON A MIN. OF (3) BRICKS.



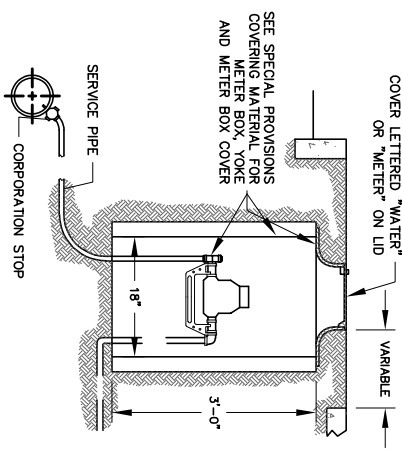
TYPICAL VALVE VAULT INSTALLATION
SCALE: 1/4" = 1'-0"



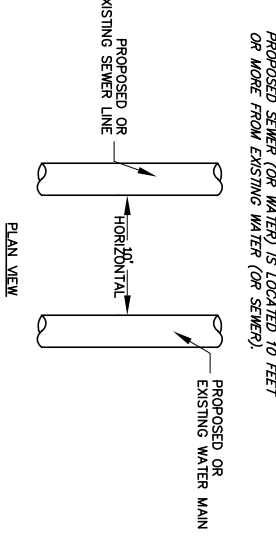
TYPICAL HYDRANT INSTALLATION
SCALE: 1/4" = 1'-0"



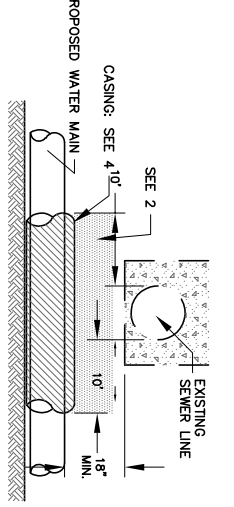
TYPICAL THRUST BLOCK INSTALLATIONS
SCALE: 1/4" = 1'-0"



TYPICAL SINGLE METER BOX INSTALLATION
SCALE: 1/4" = 1'-0"

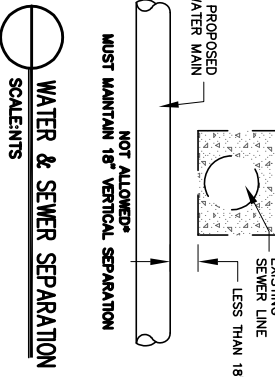


TYPICAL WATER MAIN & SEWER SEPARATION
SCALE: 1/4" = 1'-0"



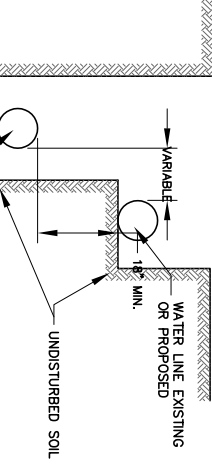
TYPICAL WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.
SCALE: 1/4" = 1'-0"

- NOTE: CLASS 4 MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
- GUIDELINES
1. OMIT SELECT GRANULAR EMBEDMENT AND GRANULAR BACKFILL TO ONE (1) FOOT OVER TOP OF FOOT OVER TOP OF PIPE AND USE SELECT EXCAVATED MATERIAL (CLASS 4) AND COMPACT FOR 10 FEET ON EITHER SIDE OF SEWER LINE.
 2. IF SELECT GRANULAR BACKFILL EXISTS, REMOVE WITHIN WIDTH OF EXISTING SEWER LINE TRENCH AND REPLACE WITH SELECT EXCAVATED MATERIAL (CLASS 4) AND COMPACT.
 3. PROVIDE ADEQUATE SUPPORT FOR EXISTING SEWER LINE TO PREVENT DAMAGE DUE TO SETTLEMENT.
 4. USE LENGTH OF WATERMAIN MATERIAL FOR CASING OF PROPOSED WATERMAIN AND SEAL ENDS OF CASING.

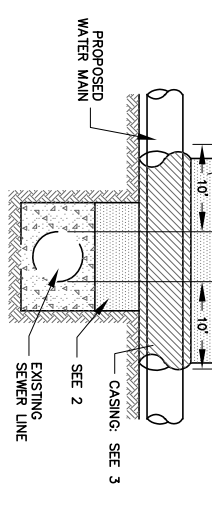


TYPICAL WATER MAIN ABOVE EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.
SCALE: 1/4" = 1'-0"

- NOTE: CLASS 4 MATERIAL SHALL BE COMPACTED TO 95% OF STANDARD PROCTOR MAXIMUM DENSITY.
- GUIDELINES
- NO SPECIAL CONSTRUCTION REQUIRED. SEE SECTION 41-2.01.
- PROPOSED WATER MAIN BELOW EXISTING SEWER LINE WITH 18" MINIMUM SEPARATION.
- NOT ALLOWED* MUST MAINTAIN 18" VERTICAL SEPARATION



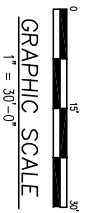
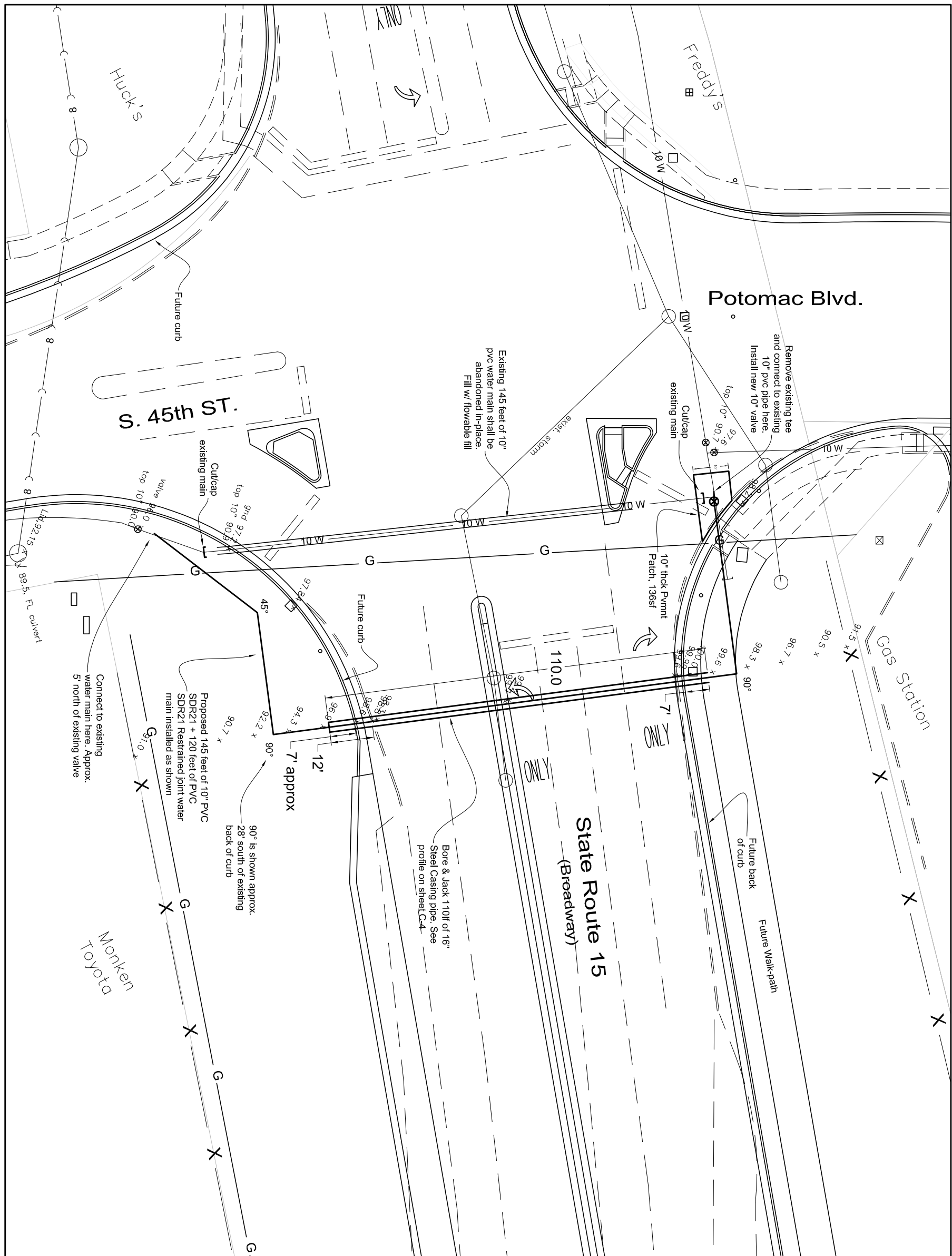
TYPICAL WATER & SEWER SEPARATION
SCALE: 1/4" = 1'-0"



TYPICAL WATER & SEWER SEPARATION
SCALE: 1/4" = 1'-0"

| | | | | |
|--|--------------|------------------------------------|--|---|
| JOB NAME: Rt. 15 and S. 45th Street Water Main Replacement MOUNT VERNON, ILLINOIS | | | | |
| DRAWING TITLE: DETAILS | | | | |
| PLOT SCALE: 1:1 | DWN BY: MRF | FILE NAME: Water/Rt15_Potomac.dwg | ILLINOIS PROFESSIONAL DESIGN FIRM NUMBER 184-001614 | ARCHITECTURE - STRUCTURAL & PROFESSIONAL ENGINEERING - LAND SURVEYING |
| DATE: 4/15/25 | APP. BY: MRF | JOB NUMBER: Master_WaterDetail.dwg | ILLINOIS PROFESSIONAL SURVEYING FIRM NUMBER C48-000108 | |
| SHEET: C-2 | | 1020 MAIN STREET | | MT. VERNON ILLINOIS |
| (618) 244-7819 | | | | |

Route 15 and S. 45th Street MAIN REPLACEMENT PROJECT MT. VERNON, ILLINOIS



CITY OF MOUNT VERNON

ENGINEERING & INSPECTION DEPARTMENT

1100 MAIN STREET MOUNT VERNON ILLINOIS (618) 242-6830

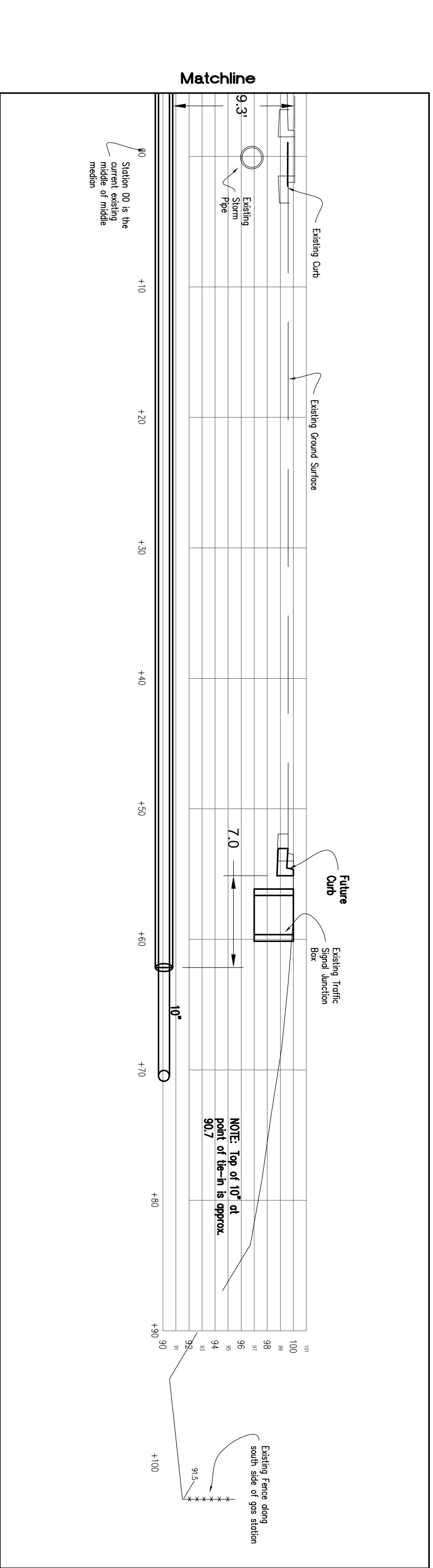
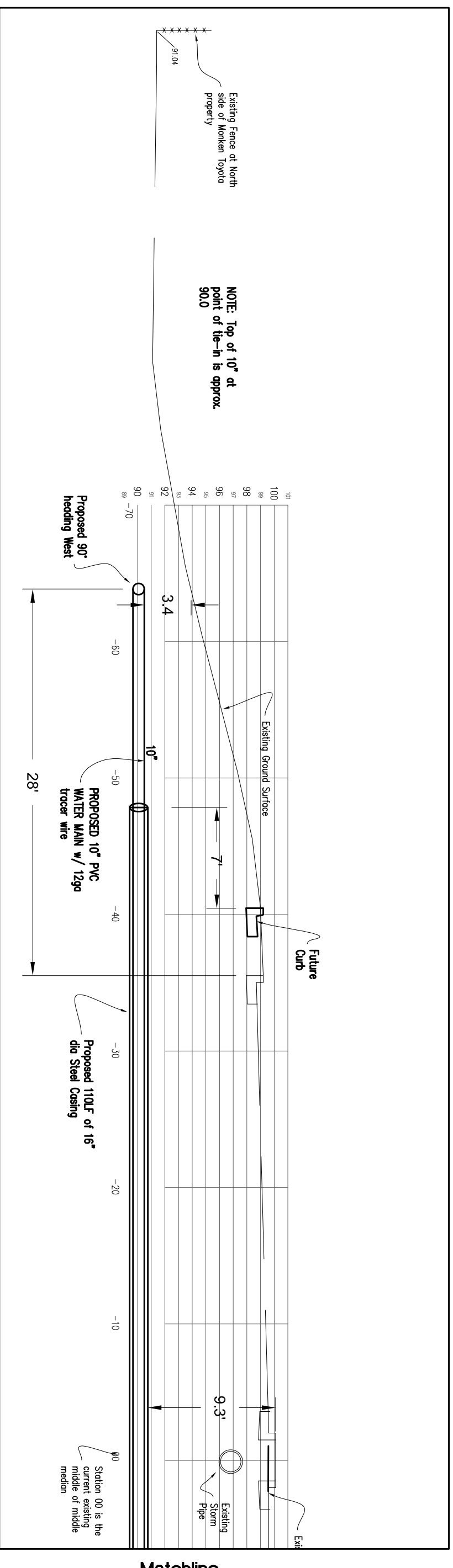
| | | | |
|---|---------------------|------------------------------------|--|
| JOB NAME: Route 15 and S. 45th Street WATERMAIN REPLACEMENT MOUNT VERNON, ILLINOIS | | | |
| DRAWING TITLE: SITE PLAN | | | |
| PLOT SCALE: 1:1 | DWN BY: MRF | FILE NAME: Rt15_Potomac.dwg | |
| DATE: 4/15/25 | APP. BY: MRF | FILE PATH: Water\2024-25 | |

SHEET:
C-3

Route 15 and S. 45th Street MAIN REPLACEMENT PROJECT

MT. VERNON, ILLINOIS

Profile of Watermain Crossing Rt. 15 (looking west)



CITY OF MOUNT VERNON
ENGINEERING & INSPECTION DEPARTMENT
1100 MAIN STREET MOUNT VERNON ILLINOIS (618) 242-6830

| | | | |
|---|---------------------|------------------------------------|--|
| JOB NAME: Route 15 and S. 45th Street WATERMAIN REPLACEMENT MOUNT VERNON, ILLINOIS | | | |
| DRAWING TITLE: SITE PLAN | | | |
| PLOT SCALE: 1:1 | DWN BY: MRF | FILE NAME: Rt15_Potomac.dwg | |
| DATE: 4/15/25 | APP. BY: MRF | FILE PATH: Water\2024-25 | |

C-4