

# CITY OF DE PERE

**PROJECT**

**25-03**

**SEWER LINING**

**BID DATE:  
FEBRUARY 20, 2025  
@ 1:00 PM**

Bid documents, including plans and specifications, are available for download at [www.QuestCDN.com](http://www.QuestCDN.com). The QuestCDN website can also be accessed through the City website at [www.deperewi.gov/projects](http://www.deperewi.gov/projects) or by pressing the *Projects* icon at the bottom of any City website page. Download cost is \$22 for each contract. Bidders will be charged an additional fee of \$42 to submit a bid electronically. Bidding documents may be viewed on the QuestCDN website or at the Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115.

Bid Tabs must be verified by staff prior to posting and will be available for viewing on the website within 7 days following the bid opening. Award information will be pending until approved by the Common Council.

**SECTION 00 01 10**

**TABLE OF CONTENTS**

**INTRODUCTORY INFORMATION**

<u>Section</u>	<u>Title</u>
00 00 01	PROJECT MANUAL COVER
00 01 10	TABLE OF CONTENTS

**PROJECT BID DOCUMENTS**

<u>Section</u>	<u>Title</u>
00 11 13	ADVERTISEMENT TO BID
00 21 13	INSTRUCTIONS TO BIDDERS
00 41 13	BID FORM
00 41 43	BID SCHEDULE
00 43 13	BID BOND
00 43 36	TABULATION OF SUBCONTRACTORS

**CONTRACTING REQUIREMENTS**

<u>Section</u>	<u>Title</u>
00 51 00	NOTICE OF AWARD
00 52 13	CONTRACT
00 55 00	NOTICE TO PROCEED
00 61 13	PAYMENT BOND
00 61 16	PERFORMANCE BOND
00 62 76	APPLICATION FOR PAYMENT
00 65 16	CERTIFICATE OF SUBSTANTIAL COMPLETION

**DIVISION 1                    GENERAL REQUIREMENTS**

<u>Section</u>	<u>Title</u>
01 10 00	SUMMARY OF WORK
01 22 06	MEASUREMENT AND PAYMENT PIPE LINING-CIPP
01 29 00	PAYMENT PROCEDURES
01 32 33	CONSTRUCTION PHOTOGRAPHS
01 33 00	SUBMITTALS
01 41 00	REGULATORY REQUIREMENTS

**SUPPLEMENTAL SPECIAL PROVISIONS**

<u>Section</u>	<u>Title</u>
33 01 30	CURED IN PLACE PIPE

**APPENDIX**

APPENDIX A	TELEVISIONING REPORTS (37 PAGES)
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**CITY OF DE PERE 2025 STANDARD SPECIFICATIONS**

**CONTRACTING REQUIREMENTS**

<u>Section</u>	<u>Title</u>
00 70 00	GENERAL CONDITIONS (See City of De Pere 2025 Standard Specifications)
<b>DIVISION 31 –</b>	<b>EARTHWORK</b> (See City of De Pere 2025 Standard Specifications)
<b>DIVISION 32 –</b>	<b>EXTERIOR IMPROVEMENTS</b> (See City of De Pere 2025 Standard Specifications)
<b>DIVISION 33 –</b>	<b>UTILITIES</b> (See City of De Pere 2025 Standard Specifications)

**SECTION 00 11 13**

**JANUARY 31, 2025 – FEBRUARY 7, 2025**

**CITY OF DE PERE**

**ADVERTISEMENT TO BID**

**PROJECT 25-03**

**SEWER LINING**

Online bids will be received and accepted for Project 25-03 Sewer Lining via the online electronic bidding service through QuestCDN.com, until 1:00 PM, Thursday, February 20, 2025, at which time they will be publicly accepted, displayed and read aloud.

Project 25-03 for which proposals are being sought includes the following approximate quantities:

- 9,000 LF of 8”-15” Sanitary Sewer Cured in Place Pipe
- 350 LF of 54” Storm Sewer Cured in Place Pipe
- 160 LF of Televising Sanitary Laterals

Complete digital project bidding documents are available for viewing and/or downloading at [www.QuestCDN.com](http://www.QuestCDN.com) or may be examined at the office of the Director of Public Works. Digital plan documents may be downloaded for \$22 by inputting Quest project #9404097 on Quest’s Project Search page. Project documents must be downloaded from QuestCDN which will add your company to the Planholder List and allow access to vBid online bidding for the submittal of your bid. Bidders will be charged an additional fee of \$42 to submit a bid electronically. The QuestCDN website can also be accessed through the City website at [www.deperewi.gov/projects](http://www.deperewi.gov/projects) or by pressing the *Projects* icon at the bottom of any City website page. Contact QuestCDN Customer Support at 952-233-1632 or [info@questcdn.com](mailto:info@questcdn.com) for assistance in membership registration, downloading digital project information and vBid online bid submittal questions.

Each proposal shall be accompanied by a bid bond in an amount equal to five percent (5%) of the bid, payable to the City of De Pere, as a guarantee that if the bid is accepted, the bidder will execute a contract and furnish a contract bond as set forth in the General Conditions of the City of De Pere. In case the bidder fails to file such contract and bond, the amount of the bid bond shall be forfeited to the City of De Pere as liquidated damages.

The letting of the contract is subject to the provisions of the following Wisconsin Statutes:

Section 62.15 regarding Public Works.

Section 66.0901(3) regarding Prequalification of Contractor.

**Project 25-03  
Sewer Lining**

**City of De Pere**

Each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works no later than 4:00 PM, Monday, February 17, 2025. Prospective bidders who have previously submitted such forms subsequent to January 1, 2025 will not be required to separately submit such forms for this project.

The City of De Pere reserves the right to reject any or all bids, to waive any informalities in bidding and to accept any proposal which the Common Council deems most favorable to the interest of the City of De Pere.

Dated this 31st day of January 2025.

Board of Public Works  
City of De Pere  
Eric Rakers, P.E.  
City Engineer

Project 25-03

**SECTION 00 21 13**

**INSTRUCTIONS TO BIDDERS**

**ARTICLE 1 – DEFINED TERMS**

- 1.1 Terms used in these Instructions to Bidders have the meanings indicated in the General Conditions. Additional terms used in these Instructions to Bidders have the meanings indicated below:  
None

**ARTICLE 2 – COPIES OF BIDDING DOCUMENTS**

- 2.1 Complete sets of the Bidding documents in the number and for the deposit sum, if any, stated in the Advertisement to Bid may be obtained as stated in the Advertisement for bids.
- 2.2 Complete sets of Bidding Documents shall be used in preparing Bids; Owner does not assume any responsibility for errors or misinterpretations resulting from the use of incomplete sets of Bidding Documents.
- 2.3 Owner, in providing the Bidding Documents on the terms stated in the Advertisement for Bids, does so only for the purpose of obtaining Bids for the Work and does not confer a license or grant for any other use.

**ARTICLE 3 – QUALIFICATIONS OF BIDDERS**

- 3.1 In accordance with Section 66.0901(3), each bidder shall pre-qualify by submitting proof of responsibility on forms furnished by the Director of Public Works. Such forms shall be filed with the Director of Public Works as stated in the Advertisement for Bids. Prospective bidders who have previously submitted such forms after January 1<sup>st</sup> of this year will not be required to separately submit such form for this project.

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

- 4.1 Provisions concerning responsibilities for the adequacy of data furnished to prospective Bidders with Underground Facilities, and possible changes in the Bidding Documents due to differing or unanticipated conditions appear in the General Conditions.
- 4.2 Underground Facilities
- A. Information and data shown or indicated in the Bidding Documents with respect to existing Underground Facilities at or contiguous to the Site is based upon information and data furnished to Owner and Engineer by owners of such Underground Facilities, including Owner, or others.

**4.3 Subsurface and Physical Conditions**

**A. The technical data includes:**

1. Those reports known to Owner of explorations and tests of subsurface conditions at or contiguous to the Site; and
2. Those drawings known to Owner of physical conditions relating to existing surface or subsurface structures at the Site (except underground Facilities).
3. No reports of explorations or tests of subsurface conditions at or contiguous to the Site, or drawings of physical conditions relating to existing surface or subsurface structures at the Site, are known to Owner.
4. Photos and videos of existing sewers being lines are available for review. Request for the information should be made to Rob Freeman at (920)-339-4072 ext. 2237 or at rfreeman@deperewi.gov.

**B. Limited Reliance by Contractor on Technical Data Authorized: Contractor may rely upon the accuracy of the “technical data” contained in such reports and drawings, but such reports and drawings are not Contract Documents. Contractor may not rely upon or make any claim against Owner, or any of their officers, directors, members, partners, employees, agents, consultants, or subcontractors with respect to:**

1. the completeness of such reports and drawings for Contractor’s purposes, including but not limited to, any aspects of the means, methods, techniques, sequences, and procedures of construction to be employed by Contractor, and safety precautions and programs incident thereto; or
2. Other data, interpretations, opinions, and information contained in such reports or shown or indicated in such drawings; or
3. Any Contractor interpretation of or conclusion drawn from any “technical data” or any such other data, interpretations, opinions, or information.

**4.4** On request, Owner will provide Bidder access to the Site to conduct such examinations, investigations, explorations, tests, and studies as Bidder deems necessary for submission of a Bid. Bidder shall fill all holes and clean up and restore the Site to its former condition upon completion of such explorations, investigations, tests, and studies. Bidder shall comply with all applicable Laws and Regulations relative to excavation and utility locates.

**4.5** Reference is made to Section 01 10 00: Summary of Work, for work that will be completed and for the identification of the general nature of other work that is to be performed at the Site by Owner or others (such as utilities and other prime contractors) that relates to the Work contemplated by these Bidding Documents. On request, Owner will provide to each Bidder for examination access to or copies of Contract Documents (other portions thereof related to price) for such other work.

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

- A. Examine and carefully study the Bidding Documents, the other related data identified in the Bidding Documents, and any Addenda;**

- B. Visit the Site and become familiar with and satisfy Bidder as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work;
  - C. Become familiar with and satisfy Bidder as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work;
  - D. Obtain and carefully study (or accept consequences of not doing so) all examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, including applying any specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents, and safety precautions and programs incident thereto;
  - E. Agree at the time of submitting its Bid that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of its Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents;
  - F. Become aware of the general nature of the work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents;
  - G. Correlate the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents;
  - H. Promptly give Engineer written notice of all conflicts, errors, ambiguities, or discrepancies, that bidder discovers in the Bidding Documents and confirm that the written resolution thereof by Engineer is acceptable to Bidder; and
  - I. Determine that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work.
- 4.7 The submission of a Bid will constitute an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article 4, that without exception the Bid is premised upon performing and furnishing the Work required by the Bidding Documents and applying any specific means, methods, techniques, sequences, and, procedures of construction that may be shown or indicated or expressly required by the Bidding Documents, that Bidder has given Engineer written notice of all conflicts, errors, ambiguities, and discrepancies that Bidder has discovered in the Bidding Documents and the written resolutions thereof by Engineer are acceptable to Bidder, and that the Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performing and furnishing the Work.



ARTICLE 5 – SITE AND OTHER AREAS

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

ARTICLE 6 – INTERPRETATIONS AND ADDENDA

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

ARTICLE 7 – BID SECURITY

- 7.1 A Bid shall be accompanied by Bid security made payable to Owner in an amount of five percent (5%) of Bidder's maximum Bid price and in the form of a certified check or bank money order or Bid bond (on the form attached) issued by a surety meeting the requirements of the General Conditions. Submittal of a Bid Bond on a form other than the Bid Bond form included in the Bidding Documents may be cause for rejection of Bid. The fully executed bid bond must be uploaded into QuestCDN. If the bidder elects to furnish bid security other than a bid bond, the bid security must be submitted in a sealed envelope enclosed in a separate package plainly marked on the outside with the notation "BID SECURITY" along with the project number and name and addressed to the Board of Public Works of the City of De Pere, Municipal Service Center, 925 S. Sixth Street, De Pere, WI 54115 **prior to the deadline for submission of bids.**
- 7.2 The Bid security of the Successful Bidder will be retained until such Bidder has executed the Contract documents, furnished the required contract security and met the other conditions of the Notice of Award, whereupon the Bid security will be returned. If the Successful Bidder fails to execute and deliver the Contract Documents and furnish the required contract security within fifteen (15) days after the Notice of Award, Owner may annul the Notice of Award and the Bid security of that Bidder will be forfeited. The Bid security of other Bidders whom Owner believes to have a reasonable chance of receiving the award may be retained by Owner per the General Conditions.
- 7.3 Bid security of other Bidders whom Owner believes do not have a reasonable chance of receiving the award will be returned within seven days after the Bid opening.

**ARTICLE 8 – CONTRACT TIMES**

- 8.1 The number of days within which, or the dates by which, Milestones are to be achieved and the Work is to be substantially completed and ready for final payment are set forth in the Bid Form and Summary of Work.

**ARTICLE 9 – LIQUIDATED DAMAGES**

- 9.1 Provisions for liquidated damages are set forth in the General Conditions.

**ARTICLE 10 – SUBSTITUTE AND “OR-EQUAL” ITEMS**

- 10.1 The Contract, if awarded, will be on the basis of materials and equipment specified or described in the Bidding Documents without consideration of possible substitute or “or-equal” items. Whenever it is specified or described in the Bidding Documents that a substitute or “or-equal” item of material or equipment may be furnished or used by Contractor if acceptable to Engineer, application for such acceptance will not be considered by Engineer until after the Effective Date of the Bid Form and Summary of Work.

**ARTICLE 11 – SUBCONTRACTORS, SUPPLIERS, AND OTHERS**

- 11.1 The Bidder shall submit with the Bid to Owner a list of all such Subcontractors, Suppliers, individuals, or entities proposed for those portions of the Work for which such identification is required. Such list shall be accompanied by an experience statement with pertinent information regarding similar projects and other evidence of qualification for each such Subcontractor, Supplier, individual, or entity, Owner may, before the Notice of Award is given, request apparent Successful Bidder to submit a substitute, in which case apparent Successful Bidder shall submit an acceptable substitute, Bidder’s Bid price will be increased (or decreased) by the difference in cost occasioned by such substitution, and Owner may consider such price adjustment in evaluating Bids and making the Contract award.
- 11.2 If apparent Successful Bidder declines to make any such substitution, Owner may award the Contract to the next lowest Bidder that proposed to use acceptable Subcontractors, Suppliers, individuals, or entities. Declining to make requested substitutions will not constitute grounds for forfeiture of the Bid security of any Bidder. Any Subcontractor, Supplier, individual, or entity so listed and against which Owner makes no written objection prior to the giving of the Notice of Award will be deemed acceptable to Owner subject to revocation of such acceptance after the Effective Date of the Agreement.
- 11.3 Contractor shall not be required to employ any Subcontractor, Supplier, individual, or entity against whom Contractor has reasonable objection.

**ARTICLE 12 – PREPARATION OF BID**

- 12.1 The Bid form is included with the Bidding documents.
- 12.2 All blanks on the Bid Form shall be completed by printing in ink or by typewrite and the Bid signed in ink. Erasures or alterations shall be initialed in ink by the person signing the Bid Form. A Bid price shall be indicated for each alternative, and unit price item listed therein, or the words “No Bid,” “No Change,” or “Not Applicable” entered.
- 12.3 A Bid by a corporation shall be executed in the corporate name by the president or a vice-president or other corporate officer accompanied by evidence of authority to sign. The corporate seal shall be affixed and attested by the secretary or an assistant secretary. The corporate address and state of incorporations shall be shown below the seal.
- 12.4 A Bid by a partnership shall be executed in the partnership name and signed by a partner (whose title must appear under the signature), accompanied by evidence of authority to sign. The official address of the partnership shall be shown below the signature.
- 12.5 A Bid by a limited liability company shall be executed in the name of the firm by a member and accompanied by evidence of authority to sign. The state of formation of the firm and the official address of the firm shall be shown below the signature.
- 12.6 A Bid by an individual shall show the Bidder’s name and official address.
- 12.7 A Bid by a joint venture shall be executed by each joint venture in the manner indicated on the Bid Form. The official address of the joint venture shall be shown below the signature.
- 12.8 All names shall be typed or printed in ink below the signatures.
- 12.9 The Bid shall contain an acknowledgement of receipt of all Addenda, the numbers of which shall be filled in on the Bid Form.
- 12.10 The address and telephone number for communications regarding the Bid shall be shown.
- 12.11 The Bid shall contain evidence of Bidder’s authority and qualification to do business in the state where the Project is located or covenant to obtain such qualification prior to award of the Contract. Bidder’s state contractor license number, if any, shall also be shown on the Bid Form.

**ARTICLE 13 – BASIS OF BID; COMPARISON OF BIDS**

**13.1 Unit Price**

- A. Bidders shall submit a Bid on a unit price basis for each item of Work listed in the Bid Schedule.

- B. The total of all estimated prices will be the sum of the products of the estimated quantity of each item and the corresponding unit price. The final quantities and Contract Price will be determined in accord with the General Conditions.
- C. Discrepancies between the multiplication of units of Work and unit prices will be resolved in favor of the unit prices. Discrepancies between the indicated sum of any column of figures and the correct sum thereof will be resolved in favor of the correct sum. Discrepancies between words and figures will be resolved in favor of the words.

**ARTICLE 14 – SUBMITTAL OF BID**

- 14.1 A Bid shall be submitted no later than date and time prescribed and at place indicated in Advertisement for Bids and shall be submitted electronically using the QuestCDN online bidding vBid platform. No paper bids will be accepted.
- 14.2 See Bid Form for a list of documents typically required to be submitted with the Bid.

**ARTICLE 15 – MODIFICATION AND WITHDRAWAL OF BID**

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

**ARTICLE 16 – OPENING BIDS**

- 16.1 Bids will be opened as indicated in the Advertisement to Bid. The bid opening can be viewed live via the GoToMeeting information shown below. An abstract of the amounts of the base bids and major alternatives, if any, will be made available to bidders after opening the bids.

The bid opening can be viewed live via GoToMeeting as follows:  
Please join my meeting from your computer, tablet or smartphone.

<https://meet.goto.com/345634277>

You can also dial in using your phone.

(For supported devices, tap a one-touch number below to join instantly.)

United States (Toll Free): [1 877 309 2073](tel:18773092073)

Access Code: 345-634-277

New to GoToMeeting? Get the app now and be ready when your first meeting starts:  
<https://meet.goto.com/install>

**ARTICLE 17 – BIDS REMAIN SUBJECT TO ACCEPTANCE**

- 17.1 All bids will remain subject to acceptance for the period of time stated in the General Conditions, but Owner may, in its sole discretion, release any Bid and return the Bid security prior to the end of this period.

**ARTICLE 18 – EVALUATION OF BIDS AND AWARD OF CONTRACT**

- 18.1 Owner reserves the right to reject any or all Bids, including without limitation, nonconforming, nonresponsive, unbalanced, or conditional Bids. Owner further reserves the right to reject the Bid of any Bidder whom it finds, after reasonable inquiry and evaluation, to not be responsible. Owner may also reject the Bid of any Bidder if Owner believes that it would not be in the best interest of the Project to make an award to that Bidder. Owner also reserves the right to waive all informalities not involving price, time, or changes in the Work and to negotiate contract terms with the Successful Bidder.
- 18.2 More than one Bid for the same Work from an individual or entity under the same or different names will not be considered. Reasonable grounds for believing that any Bidder has an interest in more than one Bid for the Work may be cause for disqualification of that Bidder and the rejection of all Bids in which that Bidder has an interest.
- 18.3 In evaluating Bids, Owner will consider whether or not the Bids comply with the prescribed requirements, and such alternates, unit prices and other data, as may be requested in the Bid Form or prior to the Notice of Award.
- 18.4 In evaluating Bidders, Owner will consider the qualifications of Bidders and may consider the qualifications and experience of Subcontractors, Supplier, and other individuals or entities proposed for those portions of the Work for which the identify of Subcontractors, Suppliers, and other individuals or entities must be submitted as provided in the Supplementary Conditions.
- 18.5 Owner may conduct such investigations as Owner deems necessary to establish the responsibility, qualifications, and financial ability of Bidders, proposed Subcontractors, Suppliers, individuals, or entities to perform the Work in accordance with the Contract Documents.
- 18.6 Bidder agrees to waive any claim it has or may have against the Owner and the respective employees arising out of or in connection with the administration, evaluation or recommendation of any Bid.
- 18.7 If the Contract is to be awarded, Owner will award the Contract to the lowest responsible responsive Bidder whose Bid is in the best interests of the Project.

**ARTICLE 19 – CONTRACT SECURITY AND INSURANCE**

- 19.1 The General Conditions set forth Owner’s requirements as to performance and payment bonds and insurance. When the Successful Bidder delivers the executed Agreement to Owner, it shall be accompanied by such bonds and a certificate of insurance.

**ARTICLE 20 – SIGNING OF AGREEMENT**

- 20.1 When Owner gives a Notice of Award to the Successful Bidder, it shall be accompanied by the required number of unsigned counterparts of the Agreement with the other Contract Documents which are identified in the Agreement as attached thereto. Within ten (10) days thereafter, Successful Bidder shall sign and deliver the required number of counterparts of the Agreement and attached documents to Owner. Within ten (10) days thereafter, Owner shall deliver one fully signed counterpart to Successful Bidder with a complete set of Drawings with appropriate identification.

**END OF SECTION**

**SECTION 00 41 13**

**CITY OF DE PERE**

**BID FORM**

**PROJECT 25-03**

This bid, submitted by the undersigned Bidder to the City of De Pere, in accordance with the Advertisement to Bid, which will be received until 1:00 PM, Thursday February 20, 2025 is to furnish and deliver all materials, and to perform and do all work on the project designated per Section 01 10 00 Summary of Work.

Bidder has examined and carefully prepared the bid from the plans and specifications and has checked the same in detail before submitting said proposal or bid; and that said bidder or bidder's agents, officer or employees have not, either directly or indirectly, entered into any agreement, participated in any collusion, or otherwise taken any action in restraint of free competitive bidding in connection with this proposal or bid.

Bidder has examined and carefully studied the Bidding Documents, other related data identified in the Bidding Documents, and the following Addenda, receipt of which is hereby acknowledged:

<u>Addendum No.</u>	<u>Addendum Date</u>
_____	_____
_____	_____

**BASIS OF BID:**

Bidder will complete the Work in accordance with the Contract documents for the following price(s):

As stated in the attached Unit Price Bid Schedule.

Unit Prices have been computed in accordance with the General Conditions.

Bidder acknowledges that estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Bid items will be based on actual quantities, determined as provided in the Contract Documents.

**TOTAL BID PRICE: \$** \_\_\_\_\_

**ATTACHMENTS TO THIS BID**

The following documents are submitted with and made a condition of this Bid:

- A. Required Bid Security
- B. Unit Price Bid Schedule (Section 00 41 43)
- C. Tabulation of Subcontractors (Section 00 43 36)

**BID SUBMITTAL**

This Bid is submitted by \_\_\_\_\_ of \_\_\_\_\_,

The Bidder, being duly sworn, does dispose that they are an authorized representative of

Bidder, if Bidder is:

An Individual

Name (typed or printed): \_\_\_\_\_

By: \_\_\_\_\_  
(Individual's signature)

Doing business as: \_\_\_\_\_

A Partnership

Partnership Name: \_\_\_\_\_

By: \_\_\_\_\_  
(Signature of general partner – attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

A Corporation

Corporation Name: \_\_\_\_\_

State of Incorporation: \_\_\_\_\_

Type (General Business, Professional, Service, Limited Liability): \_\_\_\_\_

By: \_\_\_\_\_  
(Signature – attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_



Title: \_\_\_\_\_  
(CORPORATE SEAL)

Attest \_\_\_\_\_

Date of Qualification to do business in Wisconsin is \_\_\_/\_\_\_/\_\_\_.

Joint Venture

Name of Joint Venture: \_\_\_\_\_

First Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(Signature of first joint venture partner – attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

Second Joint Venturer Name: \_\_\_\_\_ (SEAL)

By: \_\_\_\_\_  
(Signature of second joint venture partner – attach evidence of authority to sign)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

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

Bidder's Business Address \_\_\_\_\_

Phone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

E-mail \_\_\_\_\_

SUBMITTED on \_\_\_\_\_, 20\_\_\_\_.

State Contractor License No. \_\_\_\_\_ (if applicable)

**SECTION 00 41 43**

**CITY OF DE PERE**

**PROJECT 25-03**

**BID SCHEDULE – UNIT PRICE**

<b>ITEM</b>	<b>ITEM DESCRIPTION</b>	<b>UNIT</b>	<b>QUANTITY</b>	<b>UNIT PRICE</b>	<b>AMOUNT BID</b>
SP-01	Lande Street - 8" Clay (H7-VX80YA to H7-YZ4OKH)	LF	399	\$ _____	\$ _____
SP-02	Marsh Street - 8" Clay (I7-CUQXUL to I7-AW3Y4C)	LF	257	\$ _____	\$ _____
SP-03	N Adams Street - 8" Concrete (J8-HLKIXG to J8-GE5GGB)	LF	357	\$ _____	\$ _____
SP-04	Alley - Michigan/Superior - Morris to Ridgeway - 8" Clay (J8-4OPWGQ to J8-40YV4C)	LF	194	\$ _____	\$ _____
SP-05	Easement - Morris/Ridgeway - Michigan to Superior - 10" Clay (J8-3JUX0L to J8-4OPWGQ)	LF	164	\$ _____	\$ _____
SP-06	Aldrin Street - 8" Concrete (H8-EKQ2DL to H8-HNZ2E4)	LF	400	\$ _____	\$ _____
SP-07	Alley - Oakdale/Lawton - Randall to Termini - 8" Clay (J9-6YX4D2 to J9-78S596)	LF	128	\$ _____	\$ _____
SP-08	Alley - Oakdale/Lawton - Ridgeway to Randall - 8" Clay (New Manhole to J8-5FP18O)	LF	280	\$ _____	\$ _____
SP-09	St Anthony Drive - 8" Concrete (H8-EJ0056 to H8-HLY05N)	LF	399	\$ _____	\$ _____
SP-10	Webster Avenue - 8" Concrete (J8-INX8V2 to J8-HOA6WF)	LF	285	\$ _____	\$ _____
SP-11	Webster Avenue - 8" Concrete (J8-M03FLC to J8-NRBJ1Q)	LF	503	\$ _____	\$ _____
SP-12	Webster Avenue - 8" Concrete (J8-Q2GNGV to J8-O9EJU7)	LF	526	\$ _____	\$ _____

**Project 25-03  
Sewer Lining**

**City of De Pere**

ITEM	ITEM DESCRIPTION	UNIT	QUANTITY	UNIT PRICE	AMOUNT BID
SP-13	Webster Avenue - 8" Clay (J8-Q2GNGV to J8-R7SPQO)	LF	330	\$ _____	\$ _____
SP-14	Webster Avenue - 8" Clay (J8-SCLS0J to J8-JG2U7R)	LF	319	\$ _____	\$ _____
SP-15	807 N Broadway Street (Fox River - Broadway) - 12" Concrete (I9-VTK1XE to I9-YW70FI)	LF	443	\$ _____	\$ _____
SP-16	823 N Broadway Street (Fox River - Broadway) - 15" Concrete (I9-XTP51H to J9-16N3BJ)	LF	493	\$ _____	\$ _____
SP-17	823 N Broadway Street (Fox River - Broadway) - 12" to 15" Transition	EA	1	\$ _____	\$ _____
SP-18	Grant Street - 8" Concrete (New Manhole - H8-XP51TY)	LF	173	\$ _____	\$ _____
SP-19	Good Hope Road - 8" Concrete (I7-IRGHXO - I7-OAN98E)	LF	1573	\$ _____	\$ _____
SP-20	807 N Broadway Street - 54" CMP Storm Sewer (New Manhole to Broadway- Ridgeway I9-ZNN0OU)	LF	448	\$ _____	\$ _____
SP-21	South Clay Street - 10" Concrete Storm Sewer (J8-J4G3UI - J8-JY65HE)	LF	238	\$ _____	\$ _____
SP-22	Structure Access for Storm Sewer on Broadway	EA	1	\$ _____	\$ _____
SP-23	Televising Sanitary Laterals	EA	20	\$ _____	\$ _____
<b>TOTAL AMOUNT BID:</b>					\$ _____

**SECTION 00 43 13**

**CITY OF DE PERE**

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS: That \_\_\_\_\_,

as Principal, hereinafter called Principal, and \_\_\_\_\_,

as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of \_\_\_\_\_ dollars (\$\_\_\_\_\_) for the payment whereof Principal and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presence.

WHEREAS, Principal has made a proposal to the City for furnishing all materials, labor, tools, equipment and incidentals necessary to complete the work of Project 25-03 in accordance with drawings and specifications prepared by the Director of Public Works of said City, which proposal is by reference made a part hereof, and is hereinafter referred to as the BID.

NOW, THEREFORE, THE CONDITION OF THIS OBLIGATION is such that, if Principal shall be awarded the contract for said project and Principal shall enter into a contract in accordance with the BID, then this obligation shall be null and void; otherwise it shall remain in full force and effect, provided that:

1. The liability of Surety shall in no event exceed the penalty of this bond.
2. Any suits at law or proceedings, in equity brought or to be brought against Surety to recover any claim hereunder shall be executed within six (6) months from the date of this instrument.

Signed and sealed this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_\_.

In the presence of:

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
PRINCIPAL (SEAL)

\_\_\_\_\_  
WITNESS

\_\_\_\_\_  
SURETY (SEAL)

**SECTION 00 43 36**

**TABULATION OF SUBCONTRACTORS**

The following information is submitted which gives the name, business address, and portion of work for each subcontractor that will be used in the work if the bidder is awarded the contract, and no subcontractor doing work in excess of one-half of one percent of the total amount of the bid and who is not listed will be used without the written approval of the Engineer. Additional numbered pages outlining this portion of the proposal may be attached to this page.

<u>PORTION OF WORK</u>	<u>BUSINESS NAME</u>	<u>BUSINESS ADDRESS</u>
Pre-Televising and Cleaning		

SECTION 00 51 00

NOTICE OF AWARD

(Contractor)  
(Contractor Name)  
(Address)  
(Address)

Project Description: 25-03 Sewer Lining

The City has considered the proposal submitted by you dated (BID DATE) for the above-described project in response to its Advertisement for Bids dated January 31, 2025 and February 7, 2025.

You are hereby notified that the Common Council of the City of De Pere has accepted your bid of (Contract Amount \$\_\_\_\_\_.00).

You are required to execute the Contract and furnish the required Performance Bond, Payment Bond and Certificates of Insurance within ten (10) calendar days from the date of this notice to you.

If you fail to execute said Agreement and to furnish said bonds within ten (10) days from the date of this notice, said City will be entitled to consider all your rights arising out of the City's acceptance of your bid as abandoned and as a forfeiture of your Bid Bond. The City 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 City.

Dated this \_\_\_\_\_ day of \_\_\_\_\_ 2025.

DEPARTMENT OF PUBLIC WORKS

BY: Eric P. Rakers, P.E.  
City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE OF AWARD is hereby acknowledged by:

\_\_\_\_\_, this the \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

By: \_\_\_\_\_

Title: \_\_\_\_\_

SECTION 00 52 13

CONTRACT

This Contract, made and entered into this day \_\_\_\_\_ (date to be affixed by City), by and between (Contractor Name), hereinafter called Contractor, and the City of De Pere, a municipal corporation of the State of Wisconsin, hereinafter called City.

WITNESSETH: That, in consideration of the covenants and agreements herein contained, to be performed by the parties hereto, and of the payments hereinafter agreed to be made, it is mutually agreed as follows:

ARTICLE I - SCOPE OF WORK

The Contractor shall furnish all materials and all equipment and labor necessary, and perform all work shown on the drawings and described in the specifications for the project entitled Project 25-03 Sewer Lining, all in accordance with the requirements and provisions of the following documents, which are hereby made a part of this Contract:

- (a) Advertisement for Bids, dated January 31, 2025 and February 7, 2025.
- (b) Drawings designated for Project 25-03 Sewer Lining dated January 31, 2025.
- (c) City of De Pere 2025 Construction Specifications.
- (d) Special Provisions dated January 31, 2025.
- (e) Proposal submitted by (Contractor Name) dated Bid Date.
- (f) Addenda No. \_\_\_\_\_ dated \_\_\_\_\_

ARTICLE II - TIME OF COMPLETION

- (a) The work to be performed under the Contract shall be commenced within (number spelled out) (\_\_) calendar days after receipt of written notice to proceed. The work shall be completed within (Number spelled out) (\_\_) calendar days ) or (specific calendar dates) after receipt of Notice to Proceed.
- (b) Time is of the essence with respect to the date of completion herein above stated. Failure to complete the work within the number of calendar days stated in this Article, or interim dates included in the work sequence in Section 01 10 00, Summary of Work, including any extensions granted thereto, shall entitle the City to deduct from the monies due the Contractor an amount equal to Update based on 00 70 00 - General Conditions (Page 26)(\$ ) per day for each calendar day of delay in the completion of the work. Such amount shall be considered and treated not as a penalty but as liquidated damages, which the City will sustain, by failure of the Contractor to complete the work within the time stated.

ARTICLE III - PAYMENT

- (a) The Contract Sum. The City shall pay to the Contractor for the performance of the Contract the amounts determined for the total number of each of the following units of work completed at the unit price stated thereafter. The number of units contained in this schedule is approximate only, and the final payment shall be made for the actual number of units that are incorporated in or made necessary by the work covered by the Contract.
- (b) Progress Payments. The City shall make payments on account of the Contract as follows:
1. On not later than the fourth Friday of every month the Contractor shall present to the City an invoice covering an estimate of the amount and proportionate value of the work done as verified by the City under each item of work that has been completed from the start of the job up to and including the fourth Friday of the preceding month, and the value of the work so completed determined in accordance with the schedule of unit prices for such items, together with such supporting evidence as may be required. This invoice shall also include an allowance for the cost of such materials and equipment required in the permanent work as have been delivered to the site but not as yet incorporated in the work.
  2. On not later than the third week of the following month, the City shall, after deducting previous payments made, pay to the Contractor 95% of the amount of the approved invoice, retaining 5% of the estimate of work done until 50% of the work has been completed. At 50% completion of the work, the previous retainage shall not yet be paid, but further partial payments shall be made in full to the contractor without additional retainage being taken unless the engineer certifies that the work is not proceeding satisfactorily. If the work is not proceeding satisfactorily, additional amounts may be retained. After substantial completion, an amount retained may be paid to the contractor, keeping retained only such amount as is needed for the remaining work.
  3. The Contractor shall notify the City in writing when all work under this Contract has been completed. Upon receipt of such notice the City shall, within a reasonable time, make the final inspection and issue a final certificate stating that the work provided for in this Contract has been completed and is accepted under the terms and conditions thereof, and that the entire balance due the Contractor as noted in said final certificate is due and payable. Before issuance of the final certificate the Contractor shall submit evidence satisfactory to the City that payrolls, material bills, and other indebtedness connected with the work under this Contract have been paid. The City shall make final payment as soon after issuance of the final certificate as practicable.

ARTICLE IV – CONTRACT DOCUMENTS

(a) Contents

1. The Contract documents consist of the following:
  - a. This Contract (pages 00 52 13-1 to 0052-13-3, inclusive).
  - b. Payment bond (pages 00 61 13-1 to 00 61 13-2, inclusive).
  - c. Performance bond (page 00 61 16-1).
  - d. General Conditions (pages 00 70 00-1 to 00 70 00-27, inclusive).



- e. Specifications as listed in the table of contents of the Project Manual.
- f. Drawings consisting of \_\_\_ sheets with each sheet bearing the following general title: \_\_\_ [or] the Drawings listed on attached sheet index.
- g. Addenda (numbers \_\_\_ to \_\_\_ inclusive), dated \_\_\_\_\_.
- h. Exhibits to this Agreement (enumerated as follows):
  - 1) Contractor’s Bid (pages 00 41 13-1 to 00 41 13-3, inclusive).
  - 2) Bid Schedule – Unit Prices (Pages 00 41 43-1 to 00 41 43-, inclusive).
  - 3) Proposed Products Form (Page 00 43 33-1).
  - 4) Tabulation of Subcontractors (page 00 43 36-1).
  - 5) Documentation submitted by Contractor prior to Notice of Award (00 51 00-1).
- i. The following which may be delivered or issued on or after the Effective Date of the Agreement and are not attached hereto:
  - 1) Notice to Proceed (Page 00 55 00-1).
  - 2) Change Orders.

2. The documents listed in Paragraph (a) Contents, are attached to this Agreement (except as expressly noted otherwise above).

3. There are no Contract Documents other than those listed above in this Article IV.

IN WITNESS WHEREOF, the parties hereto have executed this Contract, the day and year first written above.

\_\_\_\_\_  
(WITNESS)

\_\_\_\_\_  
(CONTRACTOR)      (SEAL)

\_\_\_\_\_  
(WITNESS)

BY: \_\_\_\_\_

\_\_\_\_\_  
(TITLE)

BY: \_\_\_\_\_

\_\_\_\_\_  
(TITLE)

CITY OF DE PERE      (SEAL)

Approved as to Form By: \_\_\_\_\_ (CITY ATTORNEY)

Sufficient funds are available to provide for the payment of this obligation.

\_\_\_\_\_  
(COMPTROLLER)

BY: \_\_\_\_\_  
(CITY MANAGER)

BY: \_\_\_\_\_  
(CITY CLERK)

SECTION 00 55 00

NOTICE TO PROCEED

Date: \_\_\_\_\_

(CONTRACTOR NAME)  
(ADDRESS)  
(ADDRESS)

Project Description: 25-03 Sewer Lining

You are hereby notified to commence work in accordance with the CONTRACT dated \_\_\_\_\_, within ten (10) days of this Notice. All work under this contract shall be completed within \_\_\_\_\_ (NUMBER IN WORDS) ( \_\_#) consecutive days from the start of construction or \_\_\_\_\_ (DATE) whichever comes first.

\_\_\_\_\_  
Department of Public Works

By: Eric P. Rakers, P.E.  
Title: City Engineer

ACCEPTANCE OF NOTICE

Receipt of the above NOTICE TO PROCEED is hereby acknowledged by

\_\_\_\_\_, this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_.  
Company Name

\_\_\_\_\_  
Signature

BY: \_\_\_\_\_  
Printed Name

TITLE: \_\_\_\_\_

**SECTION 00 61 13**

**CITY OF DE PERE**

**PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS: That **(CONTRACTOR NAME)**, as Principal, hereinafter called Contractor, and \_\_\_\_\_, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called the City, for the use and benefit of claimants as herein below defined in the **amount of \_\_\_\_\_ (CONTRACT AMT. SPELLED OUT) (\$\_\_\_\_\_)** for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated \_\_\_\_\_ (date to be affixed by City) entered into a contract with City for Project 25-03, in accordance with drawings and specifications prepared by the Director of Public Works of said City, 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 Contractor shall promptly make payments to all claimants as hereinafter defined, for all labor and material used or reasonably required for use in the performance of the CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect, subject, however, to the following conditions.

1. A claimant is defined as one having a direct contract with Contractor or with a subcontractor of Contractor for labor, material, or both, used or reasonably required for use in the performance of the contract, labor and material being construed to include that part of water, gas, power, lights, heat, oil, gasoline, telephone service, or rental of equipment directly applicable to the contract.
2. The above named Contractor and Surety hereby jointly and severally agree with the City that every claimant as herein defined, who has not been paid in full before the expiration of a period of ninety (90) days after the date on which the last of such claimant's work or labor was done or performed, or materials were furnished by such claimant may sue on this bond for the use of such claimant in the name of the City, prosecute the suit to final judgment for such sum or sums as may be justly due claimant, and have execution thereon, provided, however, that the City shall not be liable for the payment of any costs or expenses of any such suit.
3. No suit or action shall be commenced hereunder by any claimant:
  - a. Unless claimant shall have given written notice to any two of the following: The Contractor, the City, or the Surety above named, within ninety (90) days after such claimant did or performed the last of the work or labor, or furnished the last of the materials for which said claim is made, stating with substantial accuracy the amount claimed and the name of the party to whom the materials were furnished, or for whom the work or labor was done or performed. Such notice shall be served by mailing the same by registered mail, postage prepaid, in an envelope addressed to the Contractor, City, or Surety, at any place where an office is regularly maintained for the transaction of business, or served in any manner in which legal process may be served in the State of Wisconsin, save that such service need not be made by a public officer.
  - b. After the expiration of one (1) year following the date on which Contractor ceased work on said CONTRACT.

- c. Other than in a state court of competent jurisdiction in and for the County or other political subdivision of the state in which the project, or any part thereof, is situated, or in the United States District Court for the district in which the project, or any part thereof, is situated, and not elsewhere.
  
- 4. The amount of this bond shall be reduced by and to the extent of any payment or payments made in good faith hereunder, inclusive of the payment by Surety of mechanics' liens, which may be filed or recorded against said improvement, whether or not claim for the amount of such lien be presented under and against this bond.

SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_.

In Presence of:

_____	_____	_____
(WITNESS)	(CONTRACTOR)	(SEAL)
_____	_____	_____
(WITNESS)	(SURETY)	(SEAL)

SECTION 00 61 16

CITY OF DE PERE

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS: That (CONTRACTOR'S NAME), as Principal, hereinafter called Contractor, and \_\_\_\_\_, as Surety, hereinafter called Surety, are held and firmly bound unto the City of De Pere, a municipal corporation of the State of Wisconsin, as Obligee, hereinafter called City, in the amount of \_\_\_\_\_ (AMOUNT WRITTEN OUT) (\$ \_\_\_\_\_) for the payment whereof Contractor and Surety bind themselves, their heirs, executors, administrators, successors and assign, jointly and severally, firmly by these presents.

WHEREAS, Contractor has by written agreement dated \_\_\_\_\_ (date to be affixed by City), entered into a contract with the City for Project 25-03, in accordance with drawings and specifications prepared by the Director of Public Works of said City, 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 the Contractor shall promptly and faithfully perform said CONTRACT, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Whenever Contractor shall be, and declared by the City to be in default under the CONTRACT, the City having performed City's obligations there under, the Surety may promptly remedy the default, or shall promptly

1. Complete the CONTRACT in accordance with its terms and conditions or
2. Obtain a bid or bids for submission to City for completing the CONTRACT in accordance with its terms and conditions, and upon determination by the City and Surety of the lowest responsible bidder, arrange for a contract between such bidder and City make available as work progresses (even though there should be a default or succession of defaults under the contract or contracts of completion arranged under this paragraph) sufficient funds to pay the cost of completion less the balance of the contract price; but not exceeding, including other costs and damages for which the Surety may be liable hereunder, the amount set forth in the first paragraph hereof. The term "balance of the contract price" as used in this paragraph shall mean the total amount payable by City to Contractor under the CONTRACT and any amendments thereto, less the amount properly paid by City to Contractor.

Any suit under this bond must be instituted before the expiration of two (2) years from the date on which final payment under the CONTRACT falls due. No right of action shall accrue on this bond to or for the use of any person or corporation other than the owner named herein or the heirs, executors, administrators or successors of City.

SIGNED AND SEALED THIS \_\_\_\_\_ DAY OF \_\_\_\_\_, 20\_\_\_\_\_.

In the Presence of:

_____	_____	_____
(WITNESS)	(CONTRACTOR)	(SEAL)
_____	_____	_____
(WITNESS)	(SURETY)	(SEAL)

**SECTION 00 62 76**

**APPLICATION FOR PAYMENT**

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

Application Period:	Application Date:
Owner: City of De Pere	Contractor:
	Contractor's Project No.:

**APPLICATION FOR PAYMENT**

Change Order Summary

Approved Change Orders			1. ORIGINAL CONTRACT PRICE:.....	
Number	Additions	Deductions	2. Net change by Change Orders and Written Amendments (+ or -):.....	\$0.00
			3. CURRENT CONTRACT PRICE (Line 1 plus Line 2):.....	\$0.00
			4. Total completed and stored to date Column H on Progress Estimate:.....	\$0.00
			5. Retainage (per Agreement):	
			a. Work Completed - Column H (95% up to 50% of Contract or 2.5% of 100% of Contract)	\$0.00
Total	\$0.00	\$0.00	6. AMOUNT ELIGIBLE TO DATE (Line 4 minus 5).....	\$0.00
NET CHANGE BY CHANGE ORDERS: \$0.00			7. LESS PREVIOUS PAYMENTS (Line 6 from prior Application).....	\$0.00
			8. AMOUNT DUE THIS APPLICATION (Line 6 minus Line 7).....	\$0.00

**CONTRACTOR'S CERTIFICATION**

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

By: \_\_\_\_\_ Date: \_\_\_\_\_

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

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

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

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

SECTION 00 65 16

CERTIFICATE OF SUBSTANTIAL COMPLETION

Project:	
Owner:	Owner's Contract No.:
Contractor:	

This [tentative] [definitive] Certificate of Substantial Completion applies to:

All Work under the Contract Documents:  The following specified portions of the Work:

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\_\_\_\_\_  
Date of Substantial Completion

The Work to which this Certificate applies has been inspected by authorized representatives of Contractor and Engineer, and found to be substantially complete. The Date of Substantial completion of the Project or portion thereof designated above is hereby declared and is also the date of commencement of applicable warranties required by the Contract Documents, except as stated below.

A [tentative] [definitive] list of items to be completed or corrected is attached hereto. This list may not be all-inclusive, and the failure to include any items on such list does not alter the responsibility of the Contractor to complete all Work in accordance with the Contract Documents.

**The responsibilities between Owner and Contractor for security, operation, safety, maintenance, heat, utilities, insurance and warranties shall be as provided in the Contract Documents except as amended as follows:**

Amended Responsibilities  Not Amended

Owner's Amended Responsibilities:

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Contractor's Amended Responsibilities:

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The following documents are attached to and made part of this Certificate:

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This Certificate does not constitute an acceptance of Work not in accordance with the Contract Documents nor is it a release of Contractor's obligation to complete the Work in accordance with the Contract Documents.

\_\_\_\_\_  
Executed by Engineer

\_\_\_\_\_  
Date

\_\_\_\_\_  
Accepted by Contractor

\_\_\_\_\_  
Date



**SECTION 01 10 00**

**SUMMARY OF WORK**

PART 1 – GENERAL

1.1 SUMMARY

- A. Section Includes
  - 1. References
  - 2. Work Covered by the Contract Documents
  - 3. Work Sequence/Schedule
  - 4. Use of Premises
  - 5. Warranty
  - 6. Work by Others
  - 7. Project Utility Sources
  - 8. Miscellaneous Provisions

1.2 REFERENCES

- A. General Specifications. The work under this contract shall be in accordance with the City of De Pere, 2025 Construction Specifications and these Special Provisions and plans, and the latest edition of the Wisconsin Department of Transportation Standards Specifications for Highway and Structure Construction, where referenced in the City Specifications.
- B. Definitions. Any reference to the “state” or the “department” in said Standard Specifications shall mean the “City of De Pere” for the purposes of this contract.
- C. Industry Standards
  - 1. Unless the Contract Documents include more stringent requirements, applicable construction industry standards have the same force and effect as if bound or copied directly into the Contract Documents to the extent referenced. Such standards are made as part of the Contract Documents by reference.
  - 2. Comply with standards in effect as of date of the Contract Documents, unless otherwise indicated.
  - 3. If compliance with two or more standards is specified and the standards establish different or conflicting requirements for minimum quantities or quality levels, comply with the most stringent requirement.
  - 4. The quantity or quality level shown or specified shall be the minimum provided or performed. The actual installation may comply exactly with the minimum quantity or quality specified, or it may exceed the minimum within reasonable limits. To comply with these requirements, indicated numeric values are minimum or maximum, as appropriate, for the context of requirements.

5. Each section of the specifications generally includes a list of reference standards normally referred to in that respective section. The purpose of this list is to furnish the Contractor with a list of standards normally used for outlining the quality control desired on the project. The lists are not intended to be complete or all inclusive, but only a general reference of standards that are regularly referred to.
6. Each entity engaged in construction on the Project shall be familiar with industry standards applicable to its construction activity. Copies of applicable standards are not bound with the Contract Documents. Where copies of standards are needed to perform a required construction activity, obtain copies directly from the publication source and make them available on request.

### 1.3 WORK COVERED BY THE CONTRACT DOCUMENTS

#### A. Project Identification

##### 1. Project Location

- a. Lande Street – Sixth Street to 500' E/O Sixth Street
  - b. Marsh Street – Fourth Street to Third Street
  - c. N. Adams Street – George Street to Irwin Avenue
  - d. Alley – Superior/Michigan – Morris Street to Ridgeway Boulevard
  - e. Easement – Morris/Ridgeway – Michigan Street to Superior Street
  - f. Aldrin Street – Suburban Drive to 500' E/O Suburban Drive
  - g. Alley - Oakdale/Lawton – Randall Avenue to Termini
  - h. Easement - Oakdale/Lawton – Randall Avenue to Ridgeway Boulevard
  - i. St Anthony Drive – Suburban Drive to 500' E/O Suburban Drive
  - j. Webster Avenue – 590' N/O Chicago Street to 150' N/O N Summer Range Road
  - k. 807 N Broadway – Fox River to N Broadway Street
  - l. 823 N Broadway - Fox River to N Broadway Street
  - m. Grant Street – 300' W/O S Sixth Street to S Sixth Street
  - n. Good Hope Road – Fox River Drive to 1500' E/O Fox River Drive
  - o. Broadway/Ridgeway – Fox River to North Broadway Street
  - p. South Clay Street – 600' South of Charles Street to 850' South of Charles Street
2. Work will be performed under the following prime contract:
- a. Project 25-03 Sewer Lining

#### B. The Work includes:

1. Sewer cleaning and material disposal
2. Sewer televising
3. Televising sanitary laterals
4. Bypassing (where applicable)
5. Pipe lining preparation including protruding tap, mineral build-up and root removal.
6. Pipe lining – CIPP
7. Final sewer televising and cleaning
8. Modifications to structures for access if required.
9. Traffic Control

**1.4 WORK SEQUENCE/SCHEDULE**

- A. Project shall be completed by September 26, 2025.
- B. This project includes multiple interim dates that are critical to the project.
  - 1. Storm sewer lining at 807 N. Broadway and sanitary sewer lining at 807 N. Broadway and 823 N. Broadway are to be completed between May 20<sup>th</sup> and June 15<sup>th</sup>. This work is occurring immediately after the storm sewer work and manhole adjustments being completed under Project 25-01 as discussed in Section 1.7. Sewer lining will be allowed to occur concurrently if approved by the contractor completing 25-01.
  - 2. Alley – Oakdale/Lawton - Randall Ave to Termini. Work is being completed under Project 25-02 as discussed in Section 1.7. This work will be completed by August 1, 2025.
  - 3. Easement – Oakdale/Lawton – Ridgeway Boulevard to Randall Ave. Work is being completed under Project 25-02 as discussed in Section 1.7. This work will be completed by August 1, 2025.
- C. Conduct construction activities to maintain access to businesses and residences throughout construction.

**1.5 USE OF PREMISES**

- A. Contractor shall have full use of the premises for construction operations, including use of the Project Site, as allowed by law, ordinances, permits, easement agreements and the Contract documents.
- B. Contractor's use of premises is limited only by Owner's right to perform work or to retain other contractors on portions of the Project.
- C. The Project Site is limited to property boundaries, rights-of-way, easements, and other areas designated in the Contract Documents.
- D. Provide protection and safekeeping of material and products stored on or off the premises.
- E. Move any stored material or products which interfere with operations of Owner or other Contractors.

**1.6 WARRANTY**

- A. The Contractor warrants and guarantees to the City that all work shall be in accordance with the Contract Documents and will not be defective. Prompt notice of all defects will be given to the Contractor. All defective work, whether or not in place, may be rejected, corrected or accepted as provided in this proposal.

- B. If within one (1) year after the date of contract work completion or such longer period of time as may be prescribed by law or by the terms of any applicable special guarantee required by the Contract Documents or by a special provision of the Contract Documents, any work is found to be defective, the Contractor shall comply in accordance with the City's written instructions. These written instructions will include either correcting such defective work or, if it has been rejected by the City, removing it from the site and replacing it with non-defective work. If the Contractor does not promptly comply with the terms of such instructions, or in an emergency where delay would cause serious risk or loss or damage, the City may have the defective work corrected or the rejected work removed and replaced. All direct and indirect costs of correction or removal and replacement of defective work, including compensation for additional professional services, shall be paid by the Contractor.

#### 1.7 WORK BY OTHERS

- A. The City of De Pere Park Department will trim trees in conflict with construction if the City receives advanced notification. Questions regarding trees or landscaping that is bid as part of this contract can be directed to the Engineer.
- B. Owner has awarded separate contracts for performance of certain construction operations which will be conducted at the Project Site simultaneously with work under this Contract. This Contract includes the following:
1. Project 25-01 Sewer and Water Relay and Street Resurfacing. Includes the following work to be completed prior to lining
    - a. The storm sewer at 807 N. Broadway is being relayed under the Fox River Trail and to the Fox River. Manholes will be installed.
    - b. The sanitary manholes at 807 and 823 N. Broadway will be brought to grade under this contractor.
  2. Project 25-02 Northeast Street Reconstruction. Includes the following work to be completed prior to lining
    - a. Alley – Oakdale/Lawton - Randall Ave to Termini. Six feet of the 6" sewer main is to be relayed with 8" prior to lining under this contract.
    - b. Easement – Oakdale/Lawton – Ridgeway Boulevard to Randall Ave. The sag in the sanitary sewer will be eliminated, the offset repair made in the clay will be repaired, and a manhole added at the end of the sanitary sewer.
  3. Project 25-06 Concrete Street Repairs. Concrete restoration required on Broadway Street if the manhole casting and dome is removed shall be completed under Project 25-06.
- C. The Brown County Parks Department will be paving the Fox River Trail in 2025.
- D. Cooperate fully with separate contractors and/or Owner so work by others may be carried out smoothly, without interfering with or delaying work under this Contract.

**1.8 PROJECT UTILITY SOURCES**

- A. Green Bay Metropolitan Sewer District (NEW Water), Lisa Sarau, ([lsarau@newwater.us](mailto:lsarau@newwater.us)) (920-438-1039)
- B. AT&T, Kyle Weber, ([kw715w@att.com](mailto:kw715w@att.com)) (920-221-5969)
- C. Wisconsin Public Service, Bob Laskowski, ([rtlaskowski@wisconsinpublicservice.com](mailto:rtlaskowski@wisconsinpublicservice.com)) (920-617-2775)
- D. Charter, Vince Albin, ([vince.albin@charter.com](mailto:vince.albin@charter.com)) (920-378-0444)
- E. Nsight, Rick Vincent, ([rick.vincent@nsight.com](mailto:rick.vincent@nsight.com)) (920-617-7316)
- F. TDS Metrocom, Steve Jakubiec, ([steve.jakubiec@tdstelecom.com](mailto:steve.jakubiec@tdstelecom.com)) (920-882-4166)
- G. Net-Lec (Mi-Tech Services), Dennis Lafave, ([dlafave@mi-tech.us](mailto:dlafave@mi-tech.us)) (920-619-9774)
- H. CenturyLink, Relocation Team, ([relocations@lumen.com](mailto:relocations@lumen.com)) (800-871-9244)
- I. Central Brown County Water Authority, Rob Michaelson, ([rmichaelson@mpu.org](mailto:rmichaelson@mpu.org)) (920-686-4354)

**1.9 MISCELLANEOUS PROVISIONS**

- A. Notification to Residents – Notify property owners 24-hours prior to lining along with an estimated time frame for the impact.
- B. The intent of televising the sanitary sewer laterals is to find out if the laterals are active or not. Do not open the liner to the laterals that are abandoned and/or capped. Questions on opening laterals shall be directed to the Engineer.
- C. If repair by excavation is required based on pre-televising, the City will repair under a separate contract.
- D. Grant Street and Webster Street are Brown County highways. The City will obtain a permit for this work. Adhere to permit requirements.
- E. Sanitary Manholes on Fox River Drive, and along the Fox River Trail (807 and 823 N Broadway) are owned by the Green Bay Metropolitan Sewerage District (GBMSD). Access and work in these manholes shall be coordinate with GBMSD.
- F. Traffic control requirements are as follows:

1. Provide traffic control plans for Broadway Avenue, Webster Street and Grant Street. These streets are arterial/collector streets. Maintain one 12-foot lane in each direction during work.
2. Local Streets – Provide traffic control per Layout 1 or 3 in the plan set.

G. Repairs have been completed on the Clay Street storm sewer.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION

SECTION 01 22 06

MEASUREMENT AND PAYMENT PIPE LINING - CIPP

PART 1 – GENERAL

1.1 SUMMARY

- |                                   |                                      |
|-----------------------------------|--------------------------------------|
| A. Section includes:              | <u>Bid Items</u>                     |
| 1. Pipe Lining – CIPP             | SP-1 Thru SP-16,<br>SP-18 Thru SP-21 |
| 2. Televising Sanitary Laterals   | SP-23                                |
| 3. Structure Access Modifications | SP-22                                |
| 4. Pipe Size Transition           | SP-17                                |
- B. Unit Prices include:
1. Defined work for each Unit Price Item which will provide a functionally complete Project when combined with all unit price items. If there are specific work items which the Contractor believes are not identified in any Unit Price Item, but is required to provide a functionally complete Project, then the identified specific work items shall be included in the appropriate Unit Price Item.
  2. The method of measurement for payment.
  3. The price per unit for payment.

1.2 GENERAL WORK ITEMS

- A. Include with the appropriate Unit Price Item the following work items which are common to the Unit Price Items for sanitary sewer systems.
- B. If there is a specific Unit Price Item for any of the following items, then the work item shall be included with that specific unit price item.
1. Traffic Control.
  2. Mobilization.
  3. All labor, material and equipment.
  4. Dust control.

1.3 PIPE LINING - CIPP

- A. The unit price for Sewer Cleaning work includes:
1. General Work Items of Article 1.2.

2. Cleaning sewer pipe pre-lining and post lining.
3. Removal of roots, mineral deposits, protruding laterals, and other debris in the sewer pipe.
4. Grouting leaking joints required for lining based on the video provided.
5. Televising of the sewer pipe pre-lining and post lining.
6. Bypassing existing flow.
7. Installation of liner.
8. Reconnection of all active services.
9. Restoration of surfaces.
10. Cleaning the manhole of lining material.
11. Dispose of material from the sewer pipe.

B. Measurement of payment will be from center of manhole to center of manhole.

C. The unit of measurement for payment is linear feet.

#### 1.4 TELEVISIONING SANITARY SEWER LATERALS

A. The unit price for Televising Sanitary Sewer Laterals work includes:

1. General Work Items of Article 1.2.
2. Televising of sewer laterals indicated by the Engineer to determine if it is active or not prior of lining the sewer line.

B. Measurement of payment will be the actual number of sanitary laterals televised.

C. The unit of measurement for payment is each.

#### 1.5 STRUCTURE ACCESS MODIFICATIONS

A. The unit price for Structure Access Modifications work includes:

1. General Work Items of Article 1.2.
2. Sawcutting pavement (if required).
3. Removal of the casting, existing adjusting rings and/or sections of structure, as required to install liner.
4. Provide steel plate to cover exposed manhole when lining is not occurring.
5. Providing traffic control.
6. Re-installing the existing casting and/or sections of structure.
7. Providing concrete adjusting rings and a 2 inch rubber riser ring for the WisDOT approved product list.
8. Bituminous plastic cement sealing the exterior of the adjusting rings and casting.
9. The ring will be secured to the precast section with a 3 ½ inch wide Kent Seal or equal.



10. Above the concrete ring attach ¼ inch thru 3 inch thick ring using two 5/16-inch bead above and below the ring of sealant type as recommended by the rubber manufacturer.
11. Initial and final adjustments.
12. Backfilling and compacting.
13. Terrace restoration. Pavement restoration will be completed by the City.

B. Measurement for payment will be the actual structure access modification required.

C. The unit of measurement for payment is each.

#### 1.6 PIPE SIZE TRANSITION

A. The unit price for Pipe Size Transition work includes:

1. General Work Items of Article 1.2.
2. Provide a transition in the liner for a pipe size change between manholes.

B. Measurement of payment will be the actual number installed.

C. The unit of measurement for payment is each.

END OF SECTION

**SECTION 01 29 00**

**PAYMENT PROCEDURES**

PART 1 – GENERAL

1.1 SUMMARY

A. This section includes:

1. Administrative and procedural requirements necessary to prepare and process Applications for Payment.

1.2 SCHEDULE OF VALUES

- A. Unit Price work will be the Schedule of Values used as the basis for reviewing Applications for Payment.

1.3 APPLICATIONS FOR PAYMENT

- A. Each Application for Payment shall be consistent with previous applications and payments as recommended by the Engineer and approved by Owner.
- B. The date for each progress payment should be the 3<sup>rd</sup> Wednesday of each month. The period covered by each Application for Payment starts on the day following the end of the preceding period and ends the 4<sup>th</sup> Friday of the Month.
- C. Use forms provided by Engineer for Applications for Payment. Sample copy of the Application for Payment and Continuation Sheet is included in Section 00 62 76.
- D. Application Preparation Procedures
1. When requested by the Contractor, the Engineer will determine the actual quantities and classifications of Unit Price Work performed.
    - a. Preliminary determinations will be reviewed with the Contractor before completing Application for Payment.
    - b. Engineer will complete the Application for Payment based on Engineer's decision on actual quantities and classifications.
    - c. Engineer will submit three original copies of Application for Payment to Contractor for certification of all three original copies.
    - d. Contractor shall submit signed Application for Payment to Owner for approval within time frame agreed to at the Preconstruction Conference.
  2. If payment is requested for materials and equipment not incorporated in the Work, then the following shall be submitted with the Application for Payment:
    - a. Evidence that materials and equipment are suitably stored at the site or at another location agreed to in writing.

- b. A bill of sale, invoice, or other documentation warranting that the materials and equipment are free and clear of all liens.
  - c. Evidence that the materials and equipment are covered by property insurance.
  3. Complete every entry on form. Execute by a person authorized to sign legal documents on behalf of Contractor.
- E. With each Application for Payment, submit waivers of liens from subcontractors and suppliers for the construction period covered by the previous application.
1. Submit partial waivers on each item for amount requested before deduction for retainage on each item.
  2. When an application shows completion for an item, submit final or full waivers.
  3. Owner reserves the right to designate which entities involved in the Work shall submit waivers.
  4. Submit final Application for Payment with or preceded by final waivers from every entity involved with performance of the Work covered by the application.
  5. Submit waivers of lien on forms executed in a manner acceptable to Owner.
- F. The following administrative actions and submittals shall precede or coincide with submittal of first Application for Payment:
1. List of subcontractors.
  2. Schedule of Values (For Lump Sum Work).
  3. Contractor's construction schedule.
- G. Submit final Application for Payment with releases and supporting documentation not previously submitted and accepted including, but not limited, to the following:
1. Evidence of completion of Project closeout requirements.
  2. Insurance certificates for products and completed operations where required and proof that taxes, fees, and similar obligations were paid.
  3. Updated final statement, accounting for final changes to the Contract Sum.
  4. Consent of Surety to Final Payment.
  5. Final lien waivers as evidence that claims have been settled.
  6. Final liquidated damages settlement statement.

**PART 2 – PRODUCTS**

**PART 3 – EXECUTION**

**END OF SECTION**

**SECTION 01 32 33**

**CONSTRUCTION PHOTOGRAPHS**

**PART 1 – GENERAL**

**1.1 SUMMARY**

**A. Section Includes:**

1. Photographs for utility construction sites.

**1.2 SUBMITTALS**

- A. Submit electronic files of each photographic view within seven (7) days of taking photographs.

**1.3 QUALITY ASSURANCE**

- A. Photographs are to be submitted to the Engineer for approval prior to the start of construction.

**PART 2 – PRODUCTS**

**PART 3 – EXECUTION**

**3.1 UTILITY AND STREET CONSTRUCTION SITES**

- A. Prior to start of construction provide sufficient photographs to adequately show the existing facilities and conditions within and adjacent to the construction Site to serve as a guide for final restoration including:
1. Roads including shoulders and/or curb and gutter.
  2. Sidewalks, parking areas, and driveways.
  3. Utility structures.
  4. Landscaping including signs, plantings, walls, fences, trees, shrubbery, etc.
  5. Mailboxes.
  6. Drainage facilities including culverts, inlets, ditches.
  7. Building structures.
- B. During construction provide sufficient photographs (a minimum of one per 100 feet of installed utility) to adequately show construction means, methods, and Site conditions including:
1. Crossings of other utilities.
  2. Exposure of existing structures.
  3. Soil conditions.

**END OF SECTION**

**SECTION 01 33 00**

**SUBMITTALS**

PART 1 – GENERAL

1.1 SUMMARY

- A. Section includes administrative and procedural requirements for submittals:
  - 1. Progress Schedule.
  - 2. Schedule of Shop Drawings and Sample Submittals.
  - 3. Shop Drawings.
- B. Failure to meet Submittal requirements to the satisfaction of the Engineer will constitute unsatisfactory performance of the work in accordance with the Contract Documents, therefore, the Engineer may recommend to the Owner that all or a portion of payments requested during the corresponding pay period be withheld until these requirements are met.

1.2 SUBMITTAL PROCEDURES

- A. Coordination: Transmit each submittal sufficiently in advance of performance of related construction activities to avoid delay.
  - 1. Coordinate each submittal with fabrication, purchasing, testing, delivery, other submittals, and related activities that require sequential activity.
  - 2. Coordinate transmittal of different types of submittals for related elements of the work so processing will not be delayed by the need to review submittals concurrently for coordination.
    - a. The Engineer reserves the right to withhold action on a submittal requiring coordination with other submittals until all related submittals are received.
  - 3. To avoid the need to delay installation as a result of the time required to process submittals, allow sufficient time for submittal review, including time for re-submittals.
    - a. Allow two weeks for initial submittal.
    - b. Allow two weeks for reprocessing each submittal.
    - c. No extension of Contract Time will be authorized because of failure to transmit submittals to the Engineer sufficiently in advance of the work to permit processing.
- B. Submittal Preparation: Place a permanent label or title block on each submittal for identification. Indicate the name of the entity that prepared each submittal on the label or title block.
  - 1. Assign a reference number to each submittal and re-submittal.
  - 2. Provide a space approximately four (4) by five (5) inches (100 by 125 mm) on the label or beside the title block on Shop Drawings to record the Contractor's review and approval markings and the action taken.
  - 3. Include the following information on the label for processing and recording action taken.

- a. Project name.
  - b. Date.
  - c. Name and address of the Engineer.
  - d. Name and address of the Contractor.
  - e. Name and address of the subcontractor.
  - f. Name and address of the supplier.
  - g. Name of the manufacturer.
  - h. Number and title of appropriate Specification Section.
  - i. Drawing number and detail references, as appropriate.
4. Each submittal shall be stamped by the Contractor indicating that submittal was reviewed for conformance with the Contract Documents. The Engineer will not accept unstamped submittals.
- C. Submittal Transmittal: Package each submittal appropriately for transmittal and handling. Transmit each submittal to the Engineer. The Engineer will not accept submittals received from sources other than the Contractor.
1. On the transmittal, record relevant information and requests for Engineer action. On a form, or separate sheet, record deviations from Contract Document requirements, including variations, limitations, and justifications. Include Contractor's certification that information complies with Contract Document requirements.

### 1.3 CONTRACTOR'S PROGRESS SCHEDULE

- A. Prepare and submit to the Engineer within 10 (ten) days after the Effective Date of the Agreement, four copies of a preliminary progress schedule of the work activities from Notice to Proceed until Substantial Completion.
1. Provide sufficient detail of the work activities comprising the schedule to assure adequate planning and execution of the work, such that in the judgment of the Engineer, it provides an appropriate basis for monitoring and evaluation of the progress of the work. A work activity is defined as an activity which requires substantial time and resources (manpower, equipment, and/or material) to complete and must be performed before the contract is considered complete.
  2. The schedule shall indicate the sequence of work activities. Identify each activity with a description, start date, completion date and duration. Include, but do not limit to the following items, as appropriate to this contract:
    - a. Shop drawing review by the Engineer.
    - b. Excavation and grading.
    - c. Asphalt and concrete placement sequence.
    - d. Restoration.
    - e. Construction of various segments of utilities.
    - f. Subcontractor's items of work.
    - g. Allowance for inclement weather.
    - h. Contract interfaces, date of Substantial Completion.
    - i. Interfacing and sequencing with existing facilities and utilities.

- j. Sequencing of major construction activities.
  - k. Milestones and completion dates.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.
- C. Schedule Updating: Revise the schedule after each meeting, event, or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.
- D. Punch List: Prepare and submit to the Engineer within ten (10) days after substantial completion a detailed progress schedule for outstanding work and punch list items.

#### 1.4 SCHEDULE OF SHOP DRAWINGS AND SAMPLE SUBMITTALS

- A. Submit electronic or one (1) hard copy of preliminary submittal schedule in accordance with the General Conditions of the Contract and as follows:
- 1. Coordinate submittal schedule with the subcontractors, Schedule of Values, and of products as well as the Contractor's Progress Schedule.
  - 2. Prepare the schedule in chronological order. Provide the following information:
    - a. Scheduled date for the first submittal.
    - b. Related Section number.
    - c. Submittal category (Shop Drawings, Product Data, or Samples).
    - d. Name of the subcontractor.
    - e. Description of the part of the work covered.
    - f. Scheduled date for the Engineer's final release or approval.
- B. Distribution: Following response to the initial submittal, print and distribute copies of the revised construction schedule to the Engineer, Subcontractors, and other parties required to comply with scheduled dates. Post copies in the field office. When revisions are made, distribute to the same parties. Delete parties from distribution when they have completed their assigned portion of the work and are no longer involved in construction activities.
- C. Schedule Updating: Revise the schedule after each meeting or activity where revisions have been recognized or made. Issue the updated schedule concurrently with the report of each meeting.

#### 1.5 SHOP DRAWINGS

- A. Submit newly prepared information drawn accurately to scale. Highlight, encircle, or otherwise indicate deviations from the Contract Documents. Do not reproduce Contract Documents or

copy standard information as the basis of Shop Drawings. Standard information prepared without specific reference to the Project is not a Shop Drawing.

- B. Collect product data into a single submittal for each element of construction of system. Product data includes printed information, such as manufacturer's installation instructions, catalog cuts, standard color charts, roughing-in diagrams and templates, standard wiring diagrams, and performance curves.
  - 1. Mark each copy to show actual product to be provided. Where printed Product Data includes information on several products that are not required, mark copies to indicate the applicable information. Include the following information:
    - a. Manufacturer's printed recommendations.
    - b. Compliance with trade association standards.
    - c. Compliance with recognized testing agency standards.
    - d. Application of testing agency labels and seals.
    - e. Notation of dimensions verified by field measurement.
    - f. Notation of coordination requirements.
- C. Do not use shop drawings without an appropriate final stamp indicating action taken.
- D. Submittals: Submit electronic or one (1) hard copy of each required submittal. The Engineer will scan and return the submittal to the Contractor marked with action taken and corrections or modifications required.
- E. Distribution: Furnish copies of reviewed submittal to installers, subcontractors, suppliers, manufacturers, fabricators, and others required for performance of construction activities. Show distribution on transmittal forms. Maintain one copy at the project site for reference.
  - 1. Do not proceed with installation until a copy of the Shop drawing is in the Installer's possession.
  - 2. Do not permit use of unmarked copies of the Shop Drawing in connection with construction.

## 1.6 ENGINEER'S ACTION

- A. Except for submittals for the record or information, where action and return is required, the Engineer will review each submittal, mark to indicate action taken, and return promptly. The Engineer will stamp each submittal with a uniform action stamp. The Engineer will mark the stamp appropriately to indicate the action taken, as follows:
  - 1. "No Exceptions Taken": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.
  - 2. "Make Corrections Noted": The work covered by the submittal may proceed provided it complies with notations or corrections on the submittal and requirements of the Contract Documents.



3. "Amend and Resubmit": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Amend and Resubmit" at the Project Site or elsewhere where work is in progress.
4. "Rejected – See Remarks": Do not proceed with work covered by the submittal. Resubmit without delay. Do not use, or allow others to use, submittals marked "Rejected and Resubmit" at the Project Site or elsewhere where work is in progress.

B. Unsolicited Submittals: The Engineer will return unsolicited submittals to the sender without action.

PART 2 – PRODUCTS

PART 3 – EXECUTION

END OF SECTION

**SECTION 01 41 00**

**REGULATORY REQUIREMENTS**

**PART 1 – GENERAL**

**1.1 SUMMARY**

- A. Section Includes:
  - 1. Underground Utilities.
  - 2. Property Monuments.
  - 3. Traffic Control.
  - 4. Permits for Project.

**1.2 UNDERGROUND UTILITIES**

- A. Under the provisions of Wisconsin Statutes, Section 182.0175, all contractors, subcontractors, and any firm or individual intending to do work on this Contract shall contact all utility firms in the affected area of construction a minimum of three (3) working days prior to beginning construction so that affected utilities will be located and marked.

**1.3 PROPERTY MONUMENTS**

- A. Protect iron pipe monuments from movement.
- B. The cost of replacement of any monuments moved or destroyed during construction shall be the Contractor's responsibility.
- C. Perpetuation of destroyed or moved monuments shall be performed in accordance with state statutes by a registered land surveyor.

**1.4 TRAFFIC CONTROL**

- A. Provide traffic control facilities including barricades, signs, lights, warning devices, pavement markings, flaggers, etc.
- B. Construct and use traffic control facilities in accordance with the U.S. D. O. T. Federal Highway Administration's Manual on Uniform Traffic Control Devices for Streets and Highways.
- C. Maintain traffic control devices as required to properly safeguard the public travel through final completion, including during periods of suspension of work.

**1.5 PERMITS FOR PROJECT**

- A. The following permits are being obtained by the Owner:

1. Brown County Highway Department

PART 2 – PRODUCTS (Not used)

PART 3 – EXECUTION (Not used)

END OF SECTION

**SECTION 33 01 30**

**CURED IN PLACE PIPE (CIPP)**

PART 1 – GENERAL

1.1 SUMMARY

A. Section Includes

1. Section includes lining processes for the rehabilitation of existing sanitary sewer mains using cured-in-place pipe.

1.2 REFERENCES

A. American Society for Testing and Materials (ASTM):

1. ASTM D543 Test Method for Resistance of Plastics to Chemical Reagents
2. ASTM D638 Test Method for Tensile Properties of Plastics
3. ASTM 790 Test Method for Tensile Properties of Unreinforced and Reinforced Plastics and Electrical Insulating Materials
4. ASTM 903 Standard Test for Delamination of Plastic Composites
5. ASTM F1216 Rehabilitation of Existing Pipelines and Conduits by Inversion and Curing of a Resin-Impregnated Tube
6. ASTM D2990 Standard Test Methods for Flexural Properties of Unreinforced Plastics and Electrical Insulating Materials
7. ASTM 3034 Type PSM Poly (Vinyl/chloride)(PVC) Sewer Pipe and Fittings
8. ASTM D1248 Specification for Polyethylene Plastics molding and Extrusion Materials.
9. ASTM F1504 Standard Specification for Folded Poly (Vinyl/Chloride) (PVC) Pipe for Existing Sewer and Condit Rehabilitation
10. ASTM F1533 Standard Specification for Deformed Polyethylene (PE) Liner
11. ASTM D1784 Standard Specification for Rigid Poly (Vinyl/Chloride) and Chlorinated Poly (Vinyl/Chloride) Components
12. ASTM D2122 Method for Determining Dimensions of Thermoplastic Pipe and Fittings
13. ASTM D3350 Specifications for Polyethylene Plastics Pipe and Fittings Material

1.3 SUBMITTALS

A. Product Data.

1. Manufacturer's product literature and application and installation requirement for materials used in liner.
2. Manufacturer's product certification for materials used in liner.
3. Liner Pipe Thickness Design (Cured-in-Place).
4. Liner Pipe Thickness Design shall be in accordance with Appendix XI of ASTM F1216. In the liner thickness calculations shall be based on the following.
  - a. Fully deteriorated Pipe (No structure support from existing pipe).

- b. Minimum ovality of Host Pipe shall be 2%.
  - c. Height of Groundwater shall be 50% of Pipe Depth.
  - d. The Enhancement Factor (K) shall not be greater than 7.0.
  - e. The Minimum Safety Factor shall be 2.0.
  - f. The Flexural Modulus of Elasticity shall be reduced 50% to account for long term effects and used in the design equation EL.
5. No liner shall be installed until it has been approved for installation.
  6. No liner will be approved for installation until liner thickness calculations have been submitted and reviewed for conformance with the specifications and installation requirements.

**B. Miscellaneous Submittals**

1. Copies of video DVD (MPEG 2 format) of pre-lining and post-lining.
2. Test results required under Part 3.
3. Proposed plan for bypassing sewage during liner installation.
4. Documentation of when liner is impregnated and the potential life of impregnated liner.
5. Provide photographs of existing ground conditions prior to performing sanitary sewer lining.

**1.4 QUALITY ASSURANCE**

**A. Corrosion**

1. Fabricate finished liner from materials which, when cured, will be chemically resistant to withstand internal exposure to domestic sewage.

**B. Manhole Connections**

1. All manhole connections shall be watertight and approved by the Engineer.

**C. Testing**

1. Test finished pipe liner in accordance with this section.

**PART 2 – PRODUCTS**

**2.1 CURED – IN – PLACE PIPE LINER (CIPP LINER)**

**A. Resin**

1. Liner Bag: Polyester resin for general chemical applications.
  - a. Resin shall not contain fillers, except those required for viscosity control or fire retardance. Up to 5% by mass thixotropic agent which will not interfere with visual inspection may be added for viscosity control.
  - b. Resins may contain pigments, dyes or colorants which will not interfere with visual inspection of cured liner.
2. Epoxy resin may be required by contractor, if conditions are deemed to warrant their use.
  - a. Use of up to 40% by mass of suitable fillers may be permitted.

**B. Reinforcing Material**

1. Non-woven needle interlocked polyester felt formed into sheets of required thickness.
2. Felt tubes may be made of single or multiple layer construction with any layer not less than 1.5 mm thick.
3. Mechanical strengthener membrane or strips may be sandwiched in between layers where required to control longitudinal stretching.
4. Polyurethane membrane used during inversion of tube may be left on internal surface of liner after curing.
5. Minimum thickness of bonded polyurethane membrane and inner liner, if used shall be 0.30 mm, +5% and shall not affect structural dimension requirements of cured liner.
6. Minimum liner thickness shall be 6 millimeters (hardened), with an allowable spot variation of 10%.

**C. Felt Content**

1. Content shall ensure cured thickness of liner as specified.
2. Thickness of cured liner to be as specified (+10%-4%) and shall not include thickness of polyurethane inner liner.

**D. Resin Content**

1. 10% to 15% by volume greater than volume of felt in liner bag.

**E. Cured liner shall conform to minimal structure standards listed:**

Tensile Strength (for pressure pipes only)	ASTM D638	3,000 psi
Flexural Modulus of Elasticity	ASTM D790	250,000 psi
Flexural	ASTM D790	4,500 psi

- F. Fabricate liner to size when installed, will fit internal circumference of pipe, allowance shall be made for circumferential stretching during insertion.

- G. Meet requirements of ASTM F1216.

**PART 3 – INSTALLATION**

**3.1 EXAMINATION**

- A. Examine videos for condition of pipe interior before starting work.

**3.2 PREPARATION**

- A. Prior to liner installation, sufficiently clean roots, encrustations of cast iron pipe, mineral deposits, and other debris from sewer line to provide for proper installation of product. Sewer liner to be televised after cleaning.

- B. Remove or repair offset joints, protruding services or collapsed pipe that will prevent insertion of liner.
  - 1. Excavation to make repairs or due to bends in the pipe that are required due to a pre-existing condition will be completed by the City under a separate contract. The City shall be notified of repairs in a timely fashion to facilitate the repair prior to lining.
- C. If Contractor or Engineer determines that existing pipe is 15% or more out of roundness, Contractor shall redesign liner.
  - 1. Notify Engineer of condition of pipe.
- D. Any visible leaks prior to sewer lining that will prevent proper installation of the liner shall be grouted prior to lining.
- E. Field verify all active sanitary sewer laterals prior to lining.
- F. Sewage Bypassing
  - 1. Provide for flow of sewage around section of pipe to be lined.
    - a. Pump or bypass lines shall be adequate size and capacity to handle flow.
    - b. Coordinate bypassing operations with Engineer.

### 3.3 INSTALLATION

- A. CIPP Liner
  - 1. Preparation of liner:
    - a. Designate location where uncured resin in original containers and unimpregnated liner will be vacuum impregnated prior to installation. Contractor shall allow Engineer to inspect materials and “wet out” procedure.
    - b. Resin and catalyst system compatible with requirement of this method shall be used. Quantities of liquid thermosetting materials shall be to manufacturer’s standards to provide lining thickness required.
    - c. Liner tube shall be impregnated with resin not more than seven days before proposed time for installation and stored out of direct sunlight at temperature less than 40°F(4°C).
    - d. Transport resin impregnated liner to site immediately prior to inversion in suitable light-proof container with temperature maintained below 40°F (4°C).
  - 2. Insertion of liner:
    - a. Insert liner through an existing manhole or other access by means of an inversion process and application of hydrostatic head or air insertion sufficient to fully extend liner to next designated manhole or termination point or by means of winching the liner through the last pipe to the next designated manhole or termination point. Lubricant may be used.
  - 3. Curing liner:
    - a. After inversion is complete, provide heat source and water or steam recirculation equipment. Equipment shall be capable of delivering hot water or steam throughout

section to uniformly raise water temperature above temperature required to effect cure of resin.

- b. Provide heat source with suitable monitors to gauge temperature of incoming and outgoing water or steam supply. Place second gauge between impregnated liner and pipe invert at remote manhole to determine temperatures during cure. Water or steam temperature in line during cure period shall be as recommended by resin manufacturer.
  - c. Initial cure shall be complete when inspection of exposed portions of liner are hard and sound and remote temperature sensor indicates that temperature is of magnitude to realize an exotherm. Cure period shall be of duration recommended by resin manufacturer.
  - d. Cool hardened liner to temperature below 100°F before relieving static head in inversion standpipe or before relieving steam pressure. Cool down by introduction of cool water or air into CIPP to replace water or steam being drained from downstream end. Care shall be taken in release of static head or steam so that a vacuum will not be developed that could damage newly installed liner.
4. Lateral reinstatement:
- a. Reinstatement all active sanitary laterals after pipe has been cured by using a remote cutting device with a camera.
  - b. After reinstatement all lateral connections shall be brushed/cleaned to remove jagged edges and to smooth the cut edge.

### 3.4 FIELD QUALITY CONTROL

#### A. CIPP Liners

1. Finished Liner:
  - a. Liner shall be continuous over entire length of insertion run and be as free as commercially practicable from visual defects such as foreign inclusions, dry spots, pinholes, lifts, and delamination.
  - b. During curing process, gauge water tightness under positive head.
  - c. Liner shall conform to shape of existing pipe before installation and not be out of round by more than 15%.
2. Liner Thickness:
  - a. Cured liner shall be accurately measured and shall not be more than 5% thickness specified.
3. Felt and Resin Content of Liner:
  - a. Visually inspect liner to ensure number of layers of felt conform to specified number of layers and thickness.
  - b. Calculate resin to felt ration by weight.
  - c. Ratio shall fall in range 1.0.1 to 1.15.1
4. Testing:
  - a. Tensile Strength for Force Main Lined Pipe
    - i. Test in accordance with ASTM D638
    - ii. Specimens tested shall be actual thickness of fabricated liner.
    - iii. Do not machine specimen on surface.



- iv. Tensile strength shall be average of 5 specimens tested.
- b. Flexural Strength and Modulus of Elasticity.
  - i. Test in accordance with ASTM D790.
  - ii. Specimens tested shall be actual thickness of fabricated liner.
  - iii. Do not machine specimen on surface.
  - iv. Make test with smooth (inner) face in compression using 5 specimens.
- 5. Examination:
  - a. Televis interior of pipe after completion of work but before introducing wastewater flow and provide DVD (MPEG 2) to Engineer.
  - b. Naming convention of the televising inspection report shall follow what is on the Drawings or in the Exhibits.
  - c. Use pan and tilt color 3 lux camera to view the sewer service lateral connection reinstatement.

### 3.5 CLEANING AND RESTORATION

- A. At completion of work, remove rubbish, debris, dirt, equipment and excess material from site. Clean adjacent surfaces soiled by and during course of work.
- B. Restore areas disturbed to original condition.
- C. Repair any surface damage that may occur during the heating of the liner caused by frost heave.

### 3.6 ACCEPTANCE

- A. Grounds for rejection or repair of CIPP shall be:
  - 1. Excessive bending or flattening of CIPP not related to the existing pipe condition.
  - 2. Visible infiltration.
  - 3. Visible damage from the lining procedure.
  - 4. Bulges/intrusions in the invert of the liner that impede flow and not related to the shape of the existing pipe.
  - 5. Bulges/intrusions above the invert that extend into the pipe by greater than 10% of the pipe diameter and not related to the shape of the existing pipe.

END OF SECTION

**APPENDIX A  
TELEVISION REPORTS**



De Pere Public Works  
925 S. Sixth St.  
De Pere, WI 54115

Asset

Owner: City of De Pere

PSR:

Upstream MH: H7-YZ40KH

Downstream MH: H7-VX80YA

USMH       DSMH

Rim to Invert:

Rim to Grade:

Pipe Geometry: 8 in (Circular)

Material: Clay Tile (not vitrified clay)

Lining Method:

Coating Method:

Year Constructed:

Pipe Use: Sanitary Sewage Pipe

Total Length: 399.0 ft

Project

Project:

Work Order:

Customer:

PO Number:

Additional Info: ROOT CUT BY SEWER JET

Inspection

Media Date/Time: 20 • May • 2024 12:29

Surveyed By: Daryl (U31214702)

Reviewed By:

Camera Direction: Upstream

Purpose: Maintenance related

Technology:

Pre-Cleaning: Heavy Cleaning

Date Cleaned:

Flow Control:

Length Surveyed: 116.9 ft

Weather: Light Rain

Location

Address: Lande, DePere

Drainage Area:

Latitude:

Longitude:

Elevation:

GPS Accuracy:

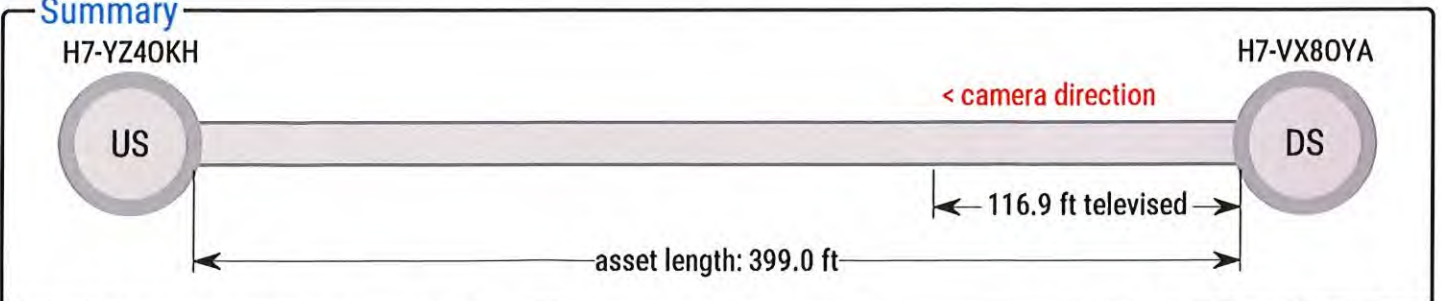
Location Code:

Location Details:

Ratings

	Structural	O & M	Overall
Quick:	0000	2113	2113
$\sum_{i=1}^5 SG_i$ Pipe Rating:	0	5	5
Rating Index:	0	1.2	1.2
Consequence of Failure:	<input type="text"/>		

Summary



Observations

H7-YZ40KH

Feet	Code	Clock	Value	Grade	Description	Remarks
116.9	MSA				Miscellaneous Survey Abandoned	CAN'T GET CAMERA BY ROOTS
116.1	RFJ	7 - 2		1	Roots Fine Joint	
110.6	RFJ	9 - 10		1	Roots Fine Joint	
104.3	RFJ	9 - 10		1	Roots Fine Joint	
	RTJ	12 - 1	0%	2	Roots Tap Joint	

flow >

camera direction >

000.0	MWL AMH		5%		Miscellaneous Water Level Access Point Manhole	Start
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H7-VX80YA

Observations

H7-YZ40KH

Feet	Code	Clock	Value	Grade	Description	Remarks
104.6	MSA				Miscellaneous Survey Abandoned	CAN'T GET CAMERA BY ROOTS
	RBJ	3 - 9	60%	4	Roots Ball Joint	
104.5	RTJ	12 - 1	0%	2	Roots Tap Joint	
100.3	MWL		10%		Miscellaneous Water Level	
099.0	RFJ	3 - 5		1	Roots Fine Joint	
094.9	RFJ	7 - 11		1	Roots Fine Joint	
088.8	RFJ	7 - 12		1	Roots Fine Joint	
088.7	TBA	9	0 in		Tap Break-in Activity	ROOTS IN LATERAL
082.4	RFJ	4 - 5		1	Roots Fine Joint	
038.9	MMC				Miscellaneous Material Change	CLAY TILE
034.4	MMC				Miscellaneous Material Change	PVC
022.6	MWL		5%		Miscellaneous Water Level	
018.4	MMC				Miscellaneous Material Change	CLAY TILE
018.3	SAV	01 (all)			Surface Damage Aggregate Visible	
013.7	SAV	01 (all)		2	Surface Damage Aggregate Visible	
013.6	MWL		15%		Miscellaneous Water Level	
	MMC				Miscellaneous Material Change	CONCRETE
003.0	MGO				Miscellaneous General Observation	SMALL CRACKS IN SOME PIPE
002.9	MMC				Miscellaneous Material Change	CLAY TILE
000.0	MMC				Miscellaneous Material Change	PVC
	MWL		5%		Miscellaneous Water Level	
	AMH				Access Point Manhole	Start

flow >

camera direction >

H7-VX80YA

Observations

H7-YZ40KH

Feet	Code	Clock	Value	Grade	Description	Remarks
000.0	AMH				Access Point Manhole	Start
	MWL		5%		Miscellaneous Water Level	
	MMC				Miscellaneous Material Change	PVC
002.0	MMC				Miscellaneous Material Change	CLAY TILE
003.2	MGO				Miscellaneous General Observation	SMALL CRACKS IN SOME PIPE
043.1	DAE	7 - 8	0%	2	Deposits Attached Encrustation	
044.6	TBC	3	0 in		Tap Break-in Capped	
046.8	TBA	9	0 in		Tap Break-in Activity	ROOTS IN LATERAL
077.9	MWL		10%		Miscellaneous Water Level	
083.1	MWL		5%		Miscellaneous Water Level	
095.6	DAE	7 - 5	0%	2	Deposits Attached Encrustation	DAE IN SOME PIPE
100.3	MSA				Miscellaneous Survey Abandoned	CAN'T GET CAMERA BY DAE

camera direction >

flow >

H7-VX80YA



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> MarshI7-AW3Y4C	<b>Downstream MH</b> I7-CUQXUL	<b>Date</b> 08-20-2014	<b>Time</b> 7:38 AM
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<b>Surveyor</b> DARYL	<b>Street</b> Marsh	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Clay Tile	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 257
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<b>Comments</b>	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 202
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 30%
0.0	GO	General Observation			MMC PVC
3.4	GO	General Observation			MMC CLAY
3.4	GO	General Observation			MWL 10%
6.8	GO	General Observation			MWL 5%
6.8	GO	General Observation	8 to 3	1	FM
9.3	GO	General Observation	9 to 4	1	FM
11.2	GO	General Observation	7 to 4	1	FM
13.1	GO	General Observation	7 to 5	2	FM
15.4	GO	General Observation			MMC PVC
24.0	GO	General Observation			MMC CLAY
25.5	GO	General Observation	7 to 5	1	FM
28.4	SC	Service Connection	3		TFA?
33.8	C	Crack		1	SMALL CRACKS IN SOME PIPE
38.2	SC	Service Connection	10		TBB
61.7	SC	Service Connection	3		TFB?
65.6	SC	Service Connection	3		TFC
100.4	SC	Service Connection	9		TFB
120.6	SC	Service Connection	2		TFB?
157.6	SC	Service Connection	9		TFC
159.1	GO	General Observation			MWL 10%
163.1	GO	General Observation			MWL 25%
169.1	GO	General Observation			MWL 35%
173.9	SC	Service Connection	3		TFC
194.6	GO	General Observation			MWL 50%
202.0	GO	General Observation			MCU
202.0	IE	End Inspection			



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> Marsh217- AW3Y4C	<b>Downstream MH</b> I7-CUQXUL	<b>Date</b> 08-27-2014	<b>Time</b> 11:54 AM
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<b>Surveyor</b> DARYL	<b>Street</b> Marsh	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Clay Tile	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 257
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<b>Comments</b> SEWER JET NEEDED TO PULL WATER OUT OF PIPE UPSTREAM	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 75.2
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MMC PVC
3.7	GO	General Observation			MMC CLAY TILE
75.2	IE	End Inspection			



ADAMS C103



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> N ADAMS ST J8-GE5GGB	<b>Downstream MH</b> J8-HLKIXG	<b>Date</b> 07-31-2012	<b>Time</b> 7:59 AM
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<b>Surveyor</b> DARYL	<b>Street</b> N ADAMS ST	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 357
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<b>Comments</b> UPSTREAM	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 354.2
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MMC PVC
1.6	GO	General Observation			MMC CONCRETE
3.4	SD	Surface Damage		1	SRI S01
3.4	GO	General Observation			MWL 5%
15.5	SD	Surface Damage		1	SRI F01
15.5	SD	Surface Damage		1	SAV S02
22.1	DP	Deposits	8 to 11	1	DAE
29.3	DP	Deposits	7 to 5	1	DAEJ
31.1	GO	General Observation			MWL 20%
40.1	GO	General Observation			MWL 30%
47.3	SC	Service Connection	10		TFA
51.4	GO	General Observation			MWL 5%
56.5	SC	Service Connection	1		TFA?
62.7	GO	General Observation			MWL 20%
75.1	GO	General Observation			MWL 30%
77.6	DP	Deposits	7 to 5	1	DAEJ
83.0	GO	General Observation			MWL 40%
90.2	DP	Deposits	3 to 5	1	DAE
90.2	GO	General Observation			MWL 10%
100.6	GO	General Observation			MWL 25%
107.2	SC	Service Connection	1		TFA
112.3	SC	Service Connection	11		TFB?
112.3	DP	Deposits	7 to 10	2	DAE
123.9	GO	General Observation			MWL 10%
142.4	DP	Deposits	12 to 5	1	DAE
213.6	GO	General Observation			MWL 5%
223.4	SC	Service Connection	1		TFA?
223.4	DP	Deposits	3 to 5	1	DAE
228.8	SC	Service Connection	11		TFA
234.5	DP	Deposits	7 to 5	1	DAEJ
234.5	GO	General Observation			MWL 10%
252.6	GO	General Observation			MWL 20%
265.3	GO	General Observation			MWL 5%
279.5	GO	General Observation			MWL 10%
289.2	SC	Service Connection	1		TFB
289.2	DP	Deposits	12 to 5	2	DAE
294.2	SC	Service Connection	10		TFB
294.2	DP	Deposits	7 to 11	2	DAE
294.2	GO	General Observation			MWL 5%
306.7	GO	General Observation			MWL 10%
312.6	GO	General Observation			MWL 30%
324.4	GO	General Observation			MWL 5%
333.4	SD	Surface Damage		1	SAV F02
345.0	SC	Service Connection	1		TFA?
346.3	DP	Deposits	7 to 8	1	DAE
346.3	DP	Deposits	4 to 5	1	DAE
354.2	DP	Deposits	6 to 6	5	DAE
354.2	GO	General Observation			CAN'T GET CAMERA BY DEPOSITS
354.2	IE	End Inspection			

ALLEY C104



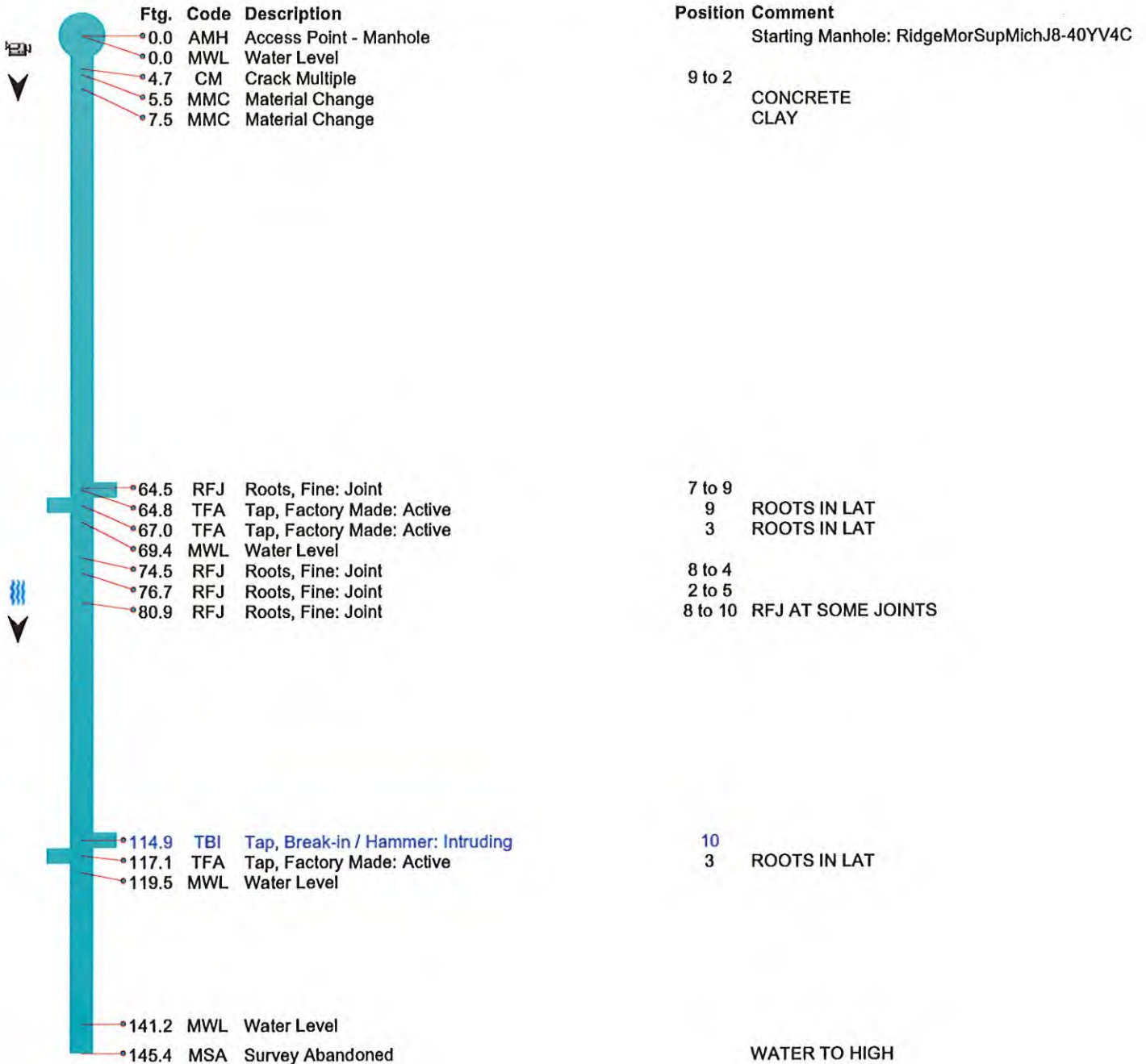
**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

Upstream MH	Downstream MH	Size	Material	Total Length	City
RidgeMorSupMichJ8-40YV4C	J8-4OPWGQ	8	Clay Tile	194	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
Ron	U-312-14702	RidgeMorSupMich	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Maintenance Related	Light Rain	06/12/2015	07:29	

**Additional Information**



ALLEY C105

City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

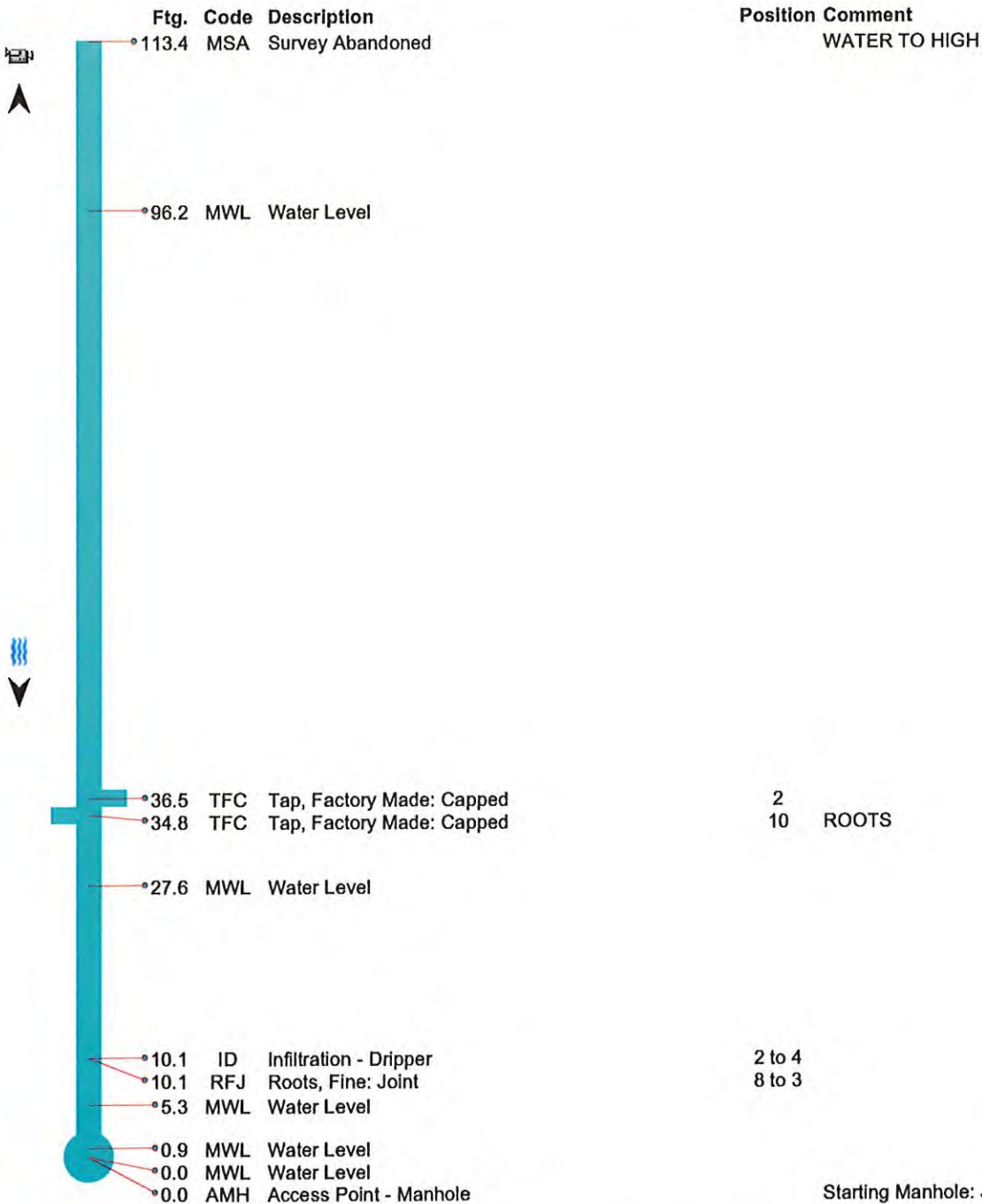


Upstream MH	Downstream MH	Size	Material	Total Length	City
NMichiganJ8-4OPWGQ	J8-3LKWZM	10	Clay Tile	154	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
Ron	U-312-14702	NMichigan	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Maintenance Related	Dry	06/12/2015	09:08	

**Additional Information**  
UPSTREAM





ALDRIN C106

**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> AldrinH8- HNZ2E4	<b>Downstream MH</b> H8-EKQ2DL	<b>Date</b> 08-15-2013	<b>Time</b> 9:44 AM
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<b>Surveyor</b> DARYL	<b>Street</b> Aldrin	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 400
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<b>Comments</b>	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 396.4
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
5.6	SC	Service Connection	9		TFA
55.0	GO	General Observation			MWL 10%
66.0	GO	General Observation			MWL 5%
70.8	SC	Service Connection	3		TFA
70.8	DP	Deposits	2 to 5	1	DAE
76.1	SC	Service Connection	9		TFA
113.2	DP	Deposits	7 to 8	1	DAEJ
117.5	SD	Surface Damage		1	SRI S01
156.6	SC	Service Connection	3		TFA
156.6	DP	Deposits	2 to 4	1	DAE
161.9	SC	Service Connection	9		TFA
161.9	DP	Deposits	7 to 10	1	DAE
215.9	GO	General Observation			MWL 10%
226.8	SC	Service Connection	3		TFA
226.8	GO	General Observation			MWL 5%
232.3	SC	Service Connection	9		TFA
341.2	GO	General Observation			MWL 10%
352.7	GO	General Observation			MWL 5%
396.4	SD	Surface Damage		1	SRI F01
396.4	GO	General Observation			MORTAR MISSING AT DROP
396.4	IE	End Inspection			



ALDRIN CID6

**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> AldrinH8-KJ02ER	<b>Downstream MH</b> H8-HNZ2E4	<b>Date</b> 08-15-2013	<b>Time</b> 12:12 PM
<b>Surveyor</b> DARYL	<b>Street</b> Aldrin		<b>City</b> City of DePere	<b>Weather</b> Dry	
<b>Size</b> 8	<b>Material</b> Polyvinyl Chloride	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related		<b>Length</b> 371
<b>Comments</b>				<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 372

Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
6.3	SC	Service Connection	3		TFA
83.1	SC	Service Connection	9		TFA
98.2	SC	Service Connection	3		TFA
98.2	GO	General Observation			MWL 10%
105.5	GO	General Observation			MWL 5%
172.5	SC	Service Connection	9		TFA
186.1	SC	Service Connection	3		TFA
187.8	SC	Service Connection	9		TFA
269.9	GO	General Observation			MWL 10%
277.0	GO	General Observation			MWL 5%
306.1	GO	General Observation			MWL 10%
314.9	GO	General Observation			MWL 5%
320.2	SC	Service Connection	9		TFA
325.8	SC	Service Connection	3		TFA
340.8	GO	General Observation			MWL 10%
355.0	GO	General Observation			MWL 20%
359.9	GO	General Observation			MWL 30%
364.7	GO	General Observation			MMC CONCRETE
366.5	GO	General Observation			MWL 5%
369.6	DP	Deposits	7 to 5	2	DAEJ
372.0	IE	End Inspection			

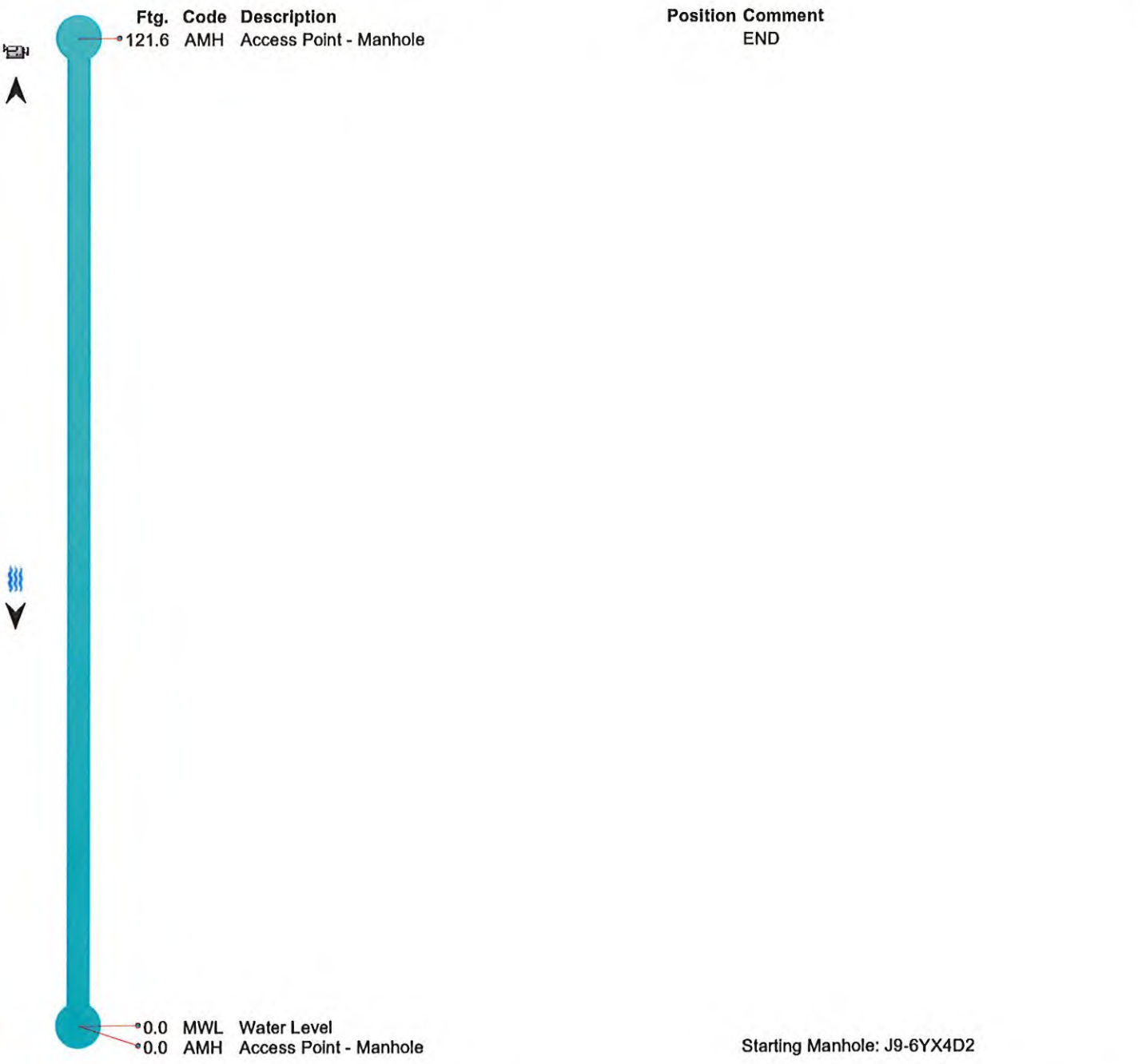


Upstream MH	Downstream MH	Size	Material	Total Length	City
OakdaleLawtonRand allNorthOfJ9- 6YX4D2	J9-6YX4D2	8	Clay Tile	124	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
Daryl	U-312-14702	OakdaleLawtonRandall	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Upstream	Maintenance Related	Dry	02/21/2024	08:37	

**Additional Information**  
 UPSTREAM



Observations

J8-40FZRD

Feet	Code	Clock	Value	Grade	Description	Remarks
000.0	AMH				Access Point Manhole	Start
000.7	MWL	7 - 5	5%	3	Miscellaneous Water Level Crack Multiple	
009.0	CM	9 - 2		3	Crack Multiple	
015.0	MGO				Miscellaneous General Observation	SMALL CRACKS IN SOME PIPE
023.9	JSM			3	Joint Separated Medium	VOID VISIBLE
035.9	MGO				Miscellaneous General Observation	DAE IN SOME PIPE
040.3	TFC	9	0 in		Tap Factory Capped	
070.4	ID	11 - 1		3	Infiltration Dripper	
072.5	MMC		15%		Miscellaneous Material Change	PVC
072.5	MWL				Miscellaneous Water Level	
079.1	MMC	11 - 12		1	Miscellaneous Material Change	CLAY TILE
079.1	RFJ				Roots Fine Joint	
079.1	MWL		5%		Miscellaneous Water Level	
081.2	JOM			3	Joint Offset Medium	
081.3	MSA				Miscellaneous Survey Abandoned	CAN'T GET CAMERA UP JOM

J9-5FP180

Observations

J8-40FZRD

Feet	Code	Clock	Value	Grade	Description	Remarks
010.2	MSA MGO				Miscellaneous Survey Abandoned Miscellaneous General Observation	END MWL 95% ABOUT 8 FEET AHEAD
009.0	MWL		65%		Miscellaneous Water Level	
008.2	MWL		50%		Miscellaneous Water Level	
006.9	DAE MGO	8 - 10	0%	2	Deposits Attached Encrustation Miscellaneous General Observation	SMALL CRACKS IN SOME PIPE
	MWL		35%		Miscellaneous Water Level	
005.1	FS	9 - 3		3	Fracture Spiral	VOID VISIBLE
003.2	MWL		10%		Miscellaneous Water Level	
001.9	MMC				Miscellaneous Material Change	CLAY TILE
000.4	MWL		50%		Miscellaneous Water Level	
000.0	MMC MWL AMH		30%		Miscellaneous Material Change Miscellaneous Water Level Access Point Manhole	PVC Start

flow < MWL

camera direction >

J9-5FP180





ST ANTHONY C109

**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> ST ANTHONY DR H8-HLY05N	<b>Downstream MH</b> H8-EJ0056	<b>Date</b> 07-24-2013	<b>Time</b> 1:04 PM
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<b>Surveyor</b> DARYL	<b>Street</b> ST ANTHONY DR	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 399
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<b>Comments</b>	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 396
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
0.4	DP	Deposits	7 to 5	2	DAEJ
2.2	SD	Surface Damage		1	SRI S01
4.8	SC	Service Connection	9		TFA
9.7	SC	Service Connection	3		TFA
60.6	GO	General Observation			MWL 10%
66.4	GO	General Observation			MWL 5%
75.3	SC	Service Connection	9		TFA
80.4	SC	Service Connection	3		TFA
89.5	GO	General Observation			MWL 10%
102.7	GO	General Observation			MWL 5%
156.3	SC	Service Connection	9		TFA
156.3	DP	Deposits	8 to 10	1	DAE
161.3	SC	Service Connection	3		TFA
161.3	DP	Deposits	2 to 5	1	DAE
231.7	SC	Service Connection	9		TFA
236.7	SC	Service Connection	3		TFA
281.4	GO	General Observation			MWL 10%
297.9	GO	General Observation			MWL 5%
336.7	GO	General Observation			MWL 10%
348.5	GO	General Observation			MWL 5%
396.0	SD	Surface Damage		1	SRI F01
396.0	GO	General Observation			DROP PLUGGED
396.0	IE	End Inspection			



**City of DePere**  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

<b>Owner</b>	<b>Customer</b>	<b>Upstream MH</b>	<b>Downstream MH</b>	<b>Date</b>	<b>Time</b>
City of DePere	ENGINEERING	SWebsterJ8-HOA6WF	J8-INX8V2	08-18-2014	7:50 AM

<b>Surveyor</b>	<b>Street</b>	<b>City</b>	<b>Weather</b>
DARYL	SWebster	City of DePere	Dry

<b>Size</b>	<b>Material</b>	<b>Sewer Use</b>	<b>Purpose</b>	<b>Length</b>
8	Concrete segments (unbolted)	Sanitary	Maintenance Related	285

<b>Comments</b>	<b>Pre-Cleaning</b>	<b>(TV'd)</b>
	Jetting	283.5

Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
28.1	DP	Deposits	4 to 5	1	DAEJ
42.8	GO	General Observation			MWL 10%
46.9	GO	General Observation			MWL 25%
51.1	GO	General Observation			MWL 5%
52.5	SC	Service Connection	2		TFA
54.9	C	Crack	9 to 12	1	CS
56.8	GO	General Observation			MWL 10%
62.5	GO	General Observation			MWL 5%
62.5	SD	Surface Damage		1	SRI S01
64.3	SC	Service Connection	1		TFC
67.1	DP	Deposits	6 to 9	2	DAEJ
130.9	DP	Deposits		1	DAEJ AT SOME JOINTS
134.2	SC	Service Connection	2		TFA
173.1	GO	General Observation			MWL 10%
176.1	GO	General Observation			MWL 15%
184.8	GO	General Observation			MWL 10%
197.2	GO	General Observation			MWL 5%
204.8	GO	General Observation			MWL 30%
206.5	SC	Service Connection	2		TFA
210.0	GO	General Observation			MWL 5%
228.8	GO	General Observation			MWL 15%
238.0	GO	General Observation			MWL 30%
244.4	GO	General Observation			MWL 5%
255.0	SD	Surface Damage		1	SRI F01
255.0	SD	Surface Damage		1	SAV S02
257.0	GO	General Observation			MWL 10%
260.7	GO	General Observation			MWL 5%
266.0	GO	General Observation			MWL 15%
272.2	GO	General Observation			MWL 30%
279.1	SC	Service Connection	2		TFC
279.1	GO	General Observation			MWL 5%
281.5	SD	Surface Damage		1	SAV F02
283.5	IE	End Inspection			

WEBSTER C111

City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

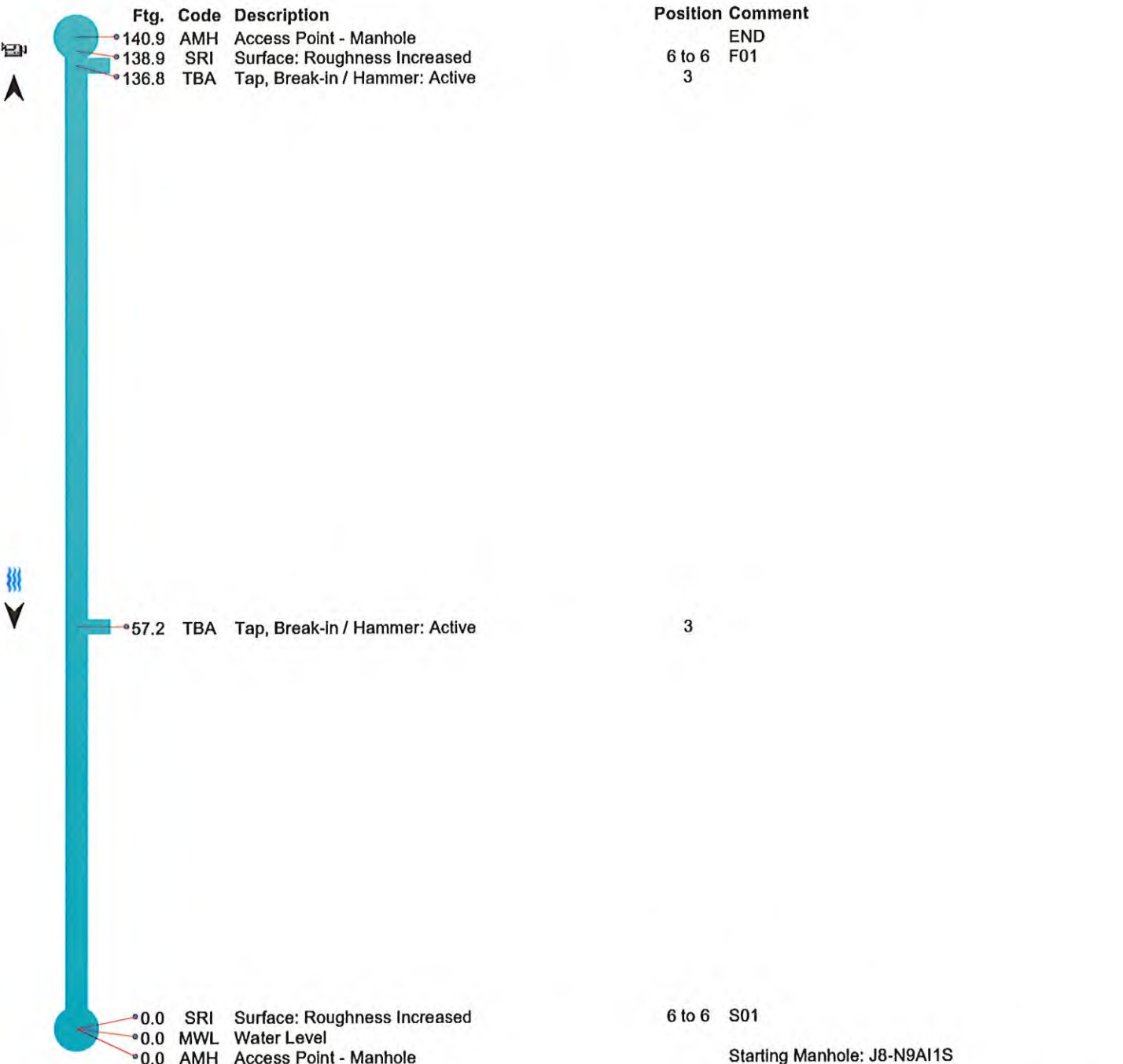


<b>Upstream MH</b> NWebsterJ8- NRBJ1Q	<b>Downstream MH</b> J8-N9AI1S	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 145	<b>City</b> City of DePere
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<b>Surveyor's Name</b> Daryl	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NWebster	<b>Location Details</b>
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<b>Direction</b> Upstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 07/28/2015	<b>Time</b> 12:50	<b>Length Surveyed</b>
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**Additional Information**  
UPSTREAM





WEBSTER C111

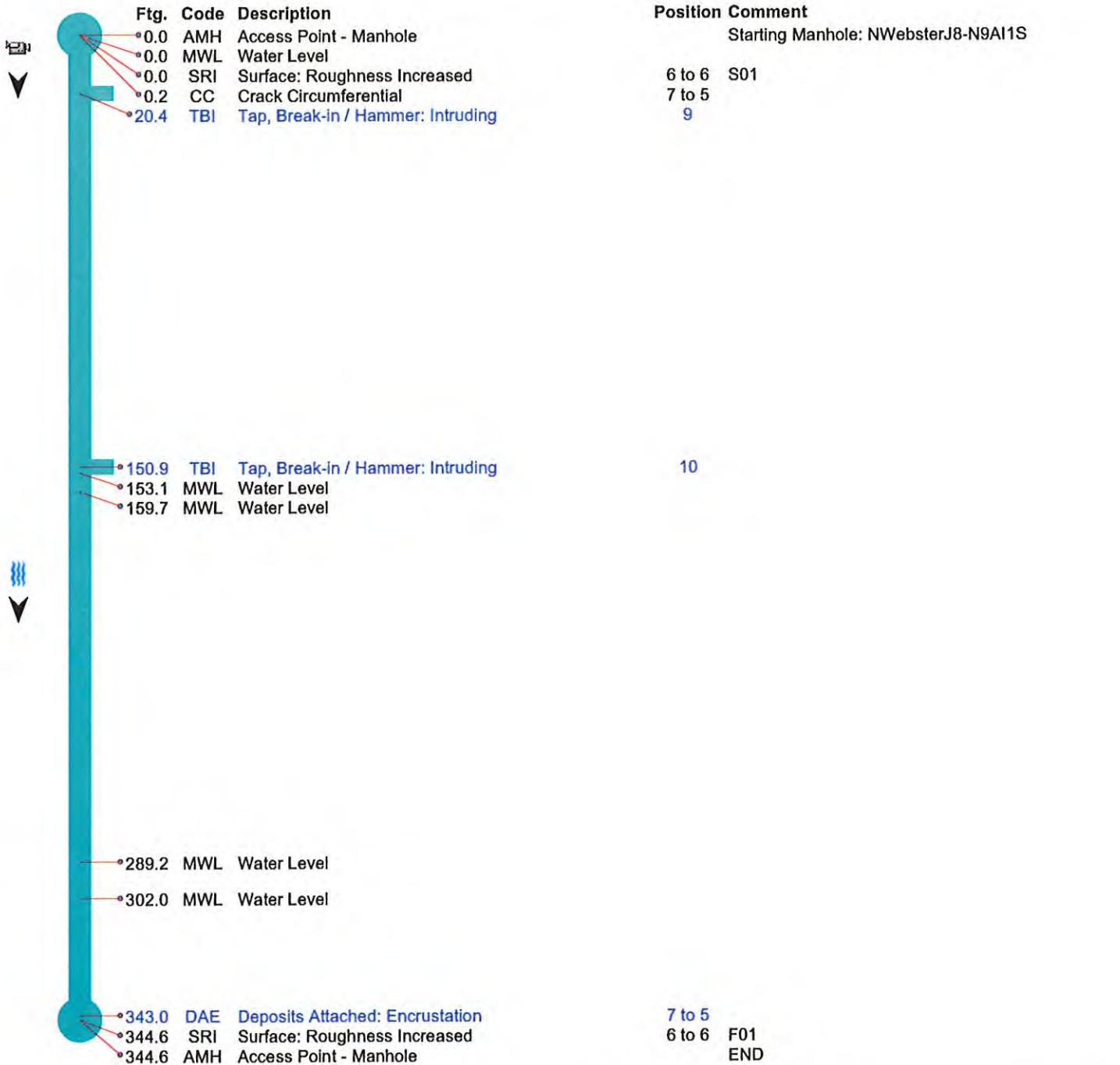
**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Upstream MH</b> NWebsterJ8-N9AI1S	<b>Downstream MH</b> J8-MAOG4Y	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 277	<b>City</b> City of DePere
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<b>Surveyor's Name</b> Daryl	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NWebster	<b>Location Details</b>
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<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 07/28/2015	<b>Time</b> 12:05	<b>Length Surveyed</b>
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**Additional Information**





WEBSTER CIII

City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

<b>Upstream MH</b> NWebsterJ8-M03FLC	<b>Downstream MH</b> J8-M1PFNB	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 9	<b>City</b> City of DePere
<b>Surveyor's Name</b> Daryl	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NWebster		<b>Location Details</b>	
<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 07/28/2015	<b>Time</b> 13:41	<b>Length Surveyed</b>

**Additional Information**



WEBSTER CIR



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> NWebsterJ8-O9EJU7	<b>Downstream MH</b> J8-OT9KY4	<b>Date</b> 03-30-2015	<b>Time</b> 11:42 AM
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<b>Surveyor</b> DARYL	<b>Street</b> NWebster	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 161
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<b>Comments</b> OBSTRUCTION REMOVED BY SEWER JET	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 154.4
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
0.0	SD	Surface Damage			SRI S01
0.8	DP	Deposits	7 to 5	1	DAEJ
2.7	SC	Service Connection	3		TFA
41.4	C	Crack	9 to 3	1	CC
55.9	C	Crack		1	CRACKS IN SOME PIPE
56.8	GO	General Observation			AGGREGATE MISSING IN SOME PIPE
56.8	GO	General Observation			MWL 10%
61.5	GO	General Observation			MWL 5%
74.1	DP	Deposits	7 to 10	1	DAE
76.9	DP	Deposits	6 to 8	1	DAEJ
77.9	SC	Service Connection	3		TFA
89.6	DP	Deposits		1	DAE IN SOME PIPE
110.0	DP	Deposits	7 to 5	1	DAEJ
113.0	DP	Deposits		1	DAEJ IN SOME PIPE
125.4	SC	Service Connection	9		TFA
128.4	SC	Service Connection	3		TFA
154.4	SD	Surface Damage		1	SRI F01
154.4	O	Obstruction	6 to 9	3	OBZ CONCRETE
154.4	GO	General Observation			CAN'T GET CAMERA BY OBZ
154.4	IE	End Inspection			

WEBSTER C112



City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> NWebsterJ8-PWIN6P	<b>Downstream MH</b> J8-Q2GNGV	<b>Date</b> 03-27-2015	<b>Time</b> 11:55 AM
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<b>Surveyor</b> DARYL	<b>Street</b> NWebster	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 42
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<b>Comments</b> HIGH WATER LEVELS DUE TO RAGGING IN DOWNSTREAM MANHOLE	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 36.8
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WEBSTER C112

**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> NWebsterJ8-OT9KY4	<b>Downstream MH</b> J8-PWIN6P	<b>Date</b> 03-27-2015	<b>Time</b> 9:54 AM
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<b>Surveyor</b> DARYL	<b>Street</b> NWebster	<b>City</b> City of DePere	<b>Weather</b> Dry
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<b>Size</b> 8	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 323
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<b>Comments</b>	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 211.8
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
0.0	SD	Surface Damage		2	SAV S01
0.5	DP	Deposits	7 to 5	1	DAEJ
8.1	DP	Deposits	4 to 5	1	DAE
10.9	DP	Deposits	7 to 5	1	DAEJ
13.8	DP	Deposits		1	DAEJ IN SOME PIPE
23.9	DP	Deposits		1	DAE IN SOME PIPE
61.7	GO	General Observation			MWL 10%
65.7	SC	Service Connection	3		TFA
75.0	SC	Service Connection	9		TFA
76.8	GO	General Observation	7 to 1	3	B
77.4	JO	Joint Offset		2	JO
83.1	GO	General Observation			MWL 5%
92.4	DP	Deposits	4 to 5	3	DAE
107.5	DP	Deposits	3 to 5	3	DAE
133.9	DP	Deposits	3 to 6	3	DAE
134.4	SC	Service Connection	9		TFC
136.9	DP	Deposits	7 to 10	2	DAEJ
136.9	DP	Deposits	3 to 5	3	DAEJ
137.5	SC	Service Connection	3		TFC
140.0	DP	Deposits	7 to 9	2	DAEJ
140.0	DP	Deposits	1 to 5	3	DAEJ
172.7	DP	Deposits	7 to 5	2	DAEJ
177.3	SC	Service Connection	3		TBAI
191.6	SC	Service Connection	9		TFA
194.3	SC	Service Connection	3		TFC
196.3	GO	General Observation			MWL 10%
199.4	GO	General Observation			MWL 25%
204.2	GO	General Observation			MWL 35%
211.8	DP	Deposits	3 to 5	3	DAEJ
211.8	GO	General Observation			CAN'T GET CAMERA BY DEPOSITS
211.8	SD	Surface Damage		2	SAV F01
211.8	IE	End Inspection			



WEBSTER C113



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

Upstream MH	Downstream MH	Size	Material	Total Length	City
NWebsterJ8-R7SPQO	J8-Q2GNGV	8	Clay Tile	330	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
Daryl	U-312-14702	NWebster	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Maintenance Related	Dry	07/13/2021	12:00	

**Additional Information**

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: NWebsterJ8-R7SPQO
0.0	MWL	Water Level		
2.2	MGO	General Observation		SMALL CRACKS AND DEPOSITS IN SOME PIPE
18.4	TFA	Tap, Factory Made: Active	10	ACTIVE?
48.3	MWL	Water Level		
60.5	MWL	Water Level		
67.2	TBA	Tap, Break-in / Hammer: Active	3	
68.8	TFC	Tap, Factory Made: Capped	2	
71.6	TFA	Tap, Factory Made: Active	10	ACTIVE?
130.5	TFC	Tap, Factory Made: Capped	1	
133.6	TFA	Tap, Factory Made: Active	12	IR IN LATERAL?
191.5	MMC	Material Change		PVC
192.9	MWL	Water Level		
195.0	TFA	Tap, Factory Made: Active	12	IR IN LATERAL?
198.9	MWL	Water Level		
198.9	MMC	Material Change		CLAYTILE
238.1	MWL	Water Level		
246.7	MWL	Water Level		
260.4	TFA	Tap, Factory Made: Active	11	
317.8	MWL	Water Level		
324.8	AMH	Access Point - Manhole		END



WEBSTER C114

**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> NWebsterJ8-TG2U7R	<b>Downstream MH</b> J8-SCLS0J	<b>Date</b> 03-26-2015	<b>Time</b> 12:33 PM
<b>Surveyor</b> DARYL	<b>Street</b> NWebster		<b>City</b> City of DePere	<b>Weather</b> Dry	
<b>Size</b> 8	<b>Material</b> Clay Tile	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related		<b>Length</b> 319
<b>Comments</b>				<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 318.5

Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
0.0	GO	General Observation			MMC PVC
2.0	GO	General Observation			MMC CLAY TILE
4.9	C	Crack	12 to 5	1	CM
13.9	C	Crack	12 to 5	1	CC
16.9	C	Crack		1	CRACKS IN SOME PIPE
31.9	SC	Service Connection	3		TFC
35.1	SC	Service Connection	10		TFC
49.2	DP	Deposits	1 to 5	1	DAEJ
51.9	DP	Deposits	12 to 5	1	DAEJ
55.0	DP	Deposits		1	DAEJ AT SOME JOINTS
85.3	SC	Service Connection	3		TFC
88.6	SC	Service Connection	10		TFA
150.4	SC	Service Connection	2		TFC
152.5	SC	Service Connection	11		TFC
192.6	DP	Deposits	7 to 8	1	DAE
210.2	DP	Deposits	2 to 5	1	DAE
210.7	SC	Service Connection	3		TFC
213.7	SC	Service Connection	11		TFC
274.9	SC	Service Connection	3		TFC
278.4	SC	Service Connection	10		TFA
318.5	IE	End Inspection			

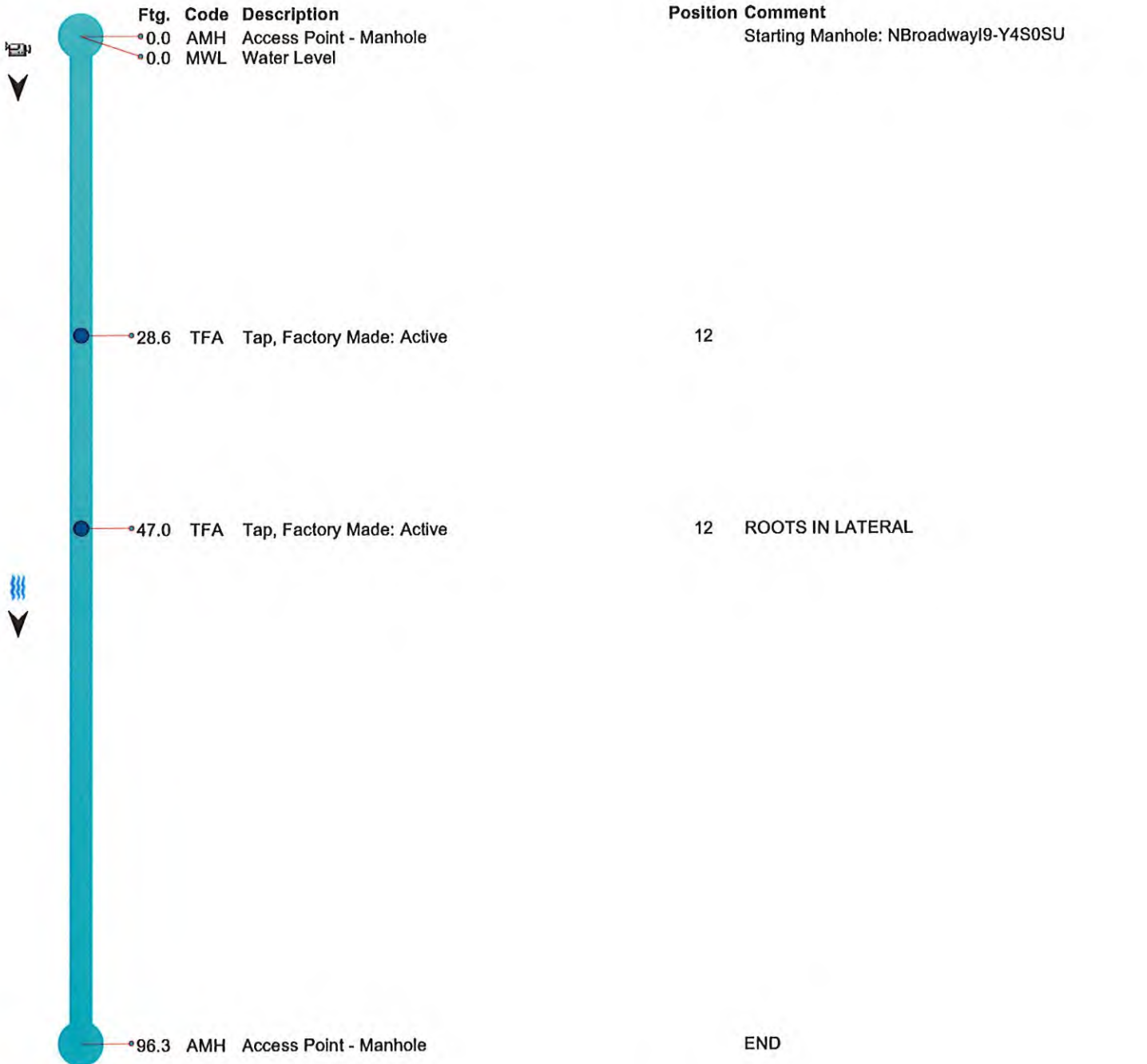
BROADWAY C115



City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

<b>Upstream MH</b> NBroadway19- Y4S0SU	<b>Downstream MH</b> I9-XGJ14O	<b>Size</b> 12	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 97	<b>City</b> City of DePere
<b>Surveyor's Name</b> Daryl	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NBroadway		<b>Location Details</b>	
<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 10/12/2020	<b>Time</b> 08:24	<b>Length Surveyed</b>

**Additional Information**  
VIBRATION IN HOUSE





BROADWAY C115

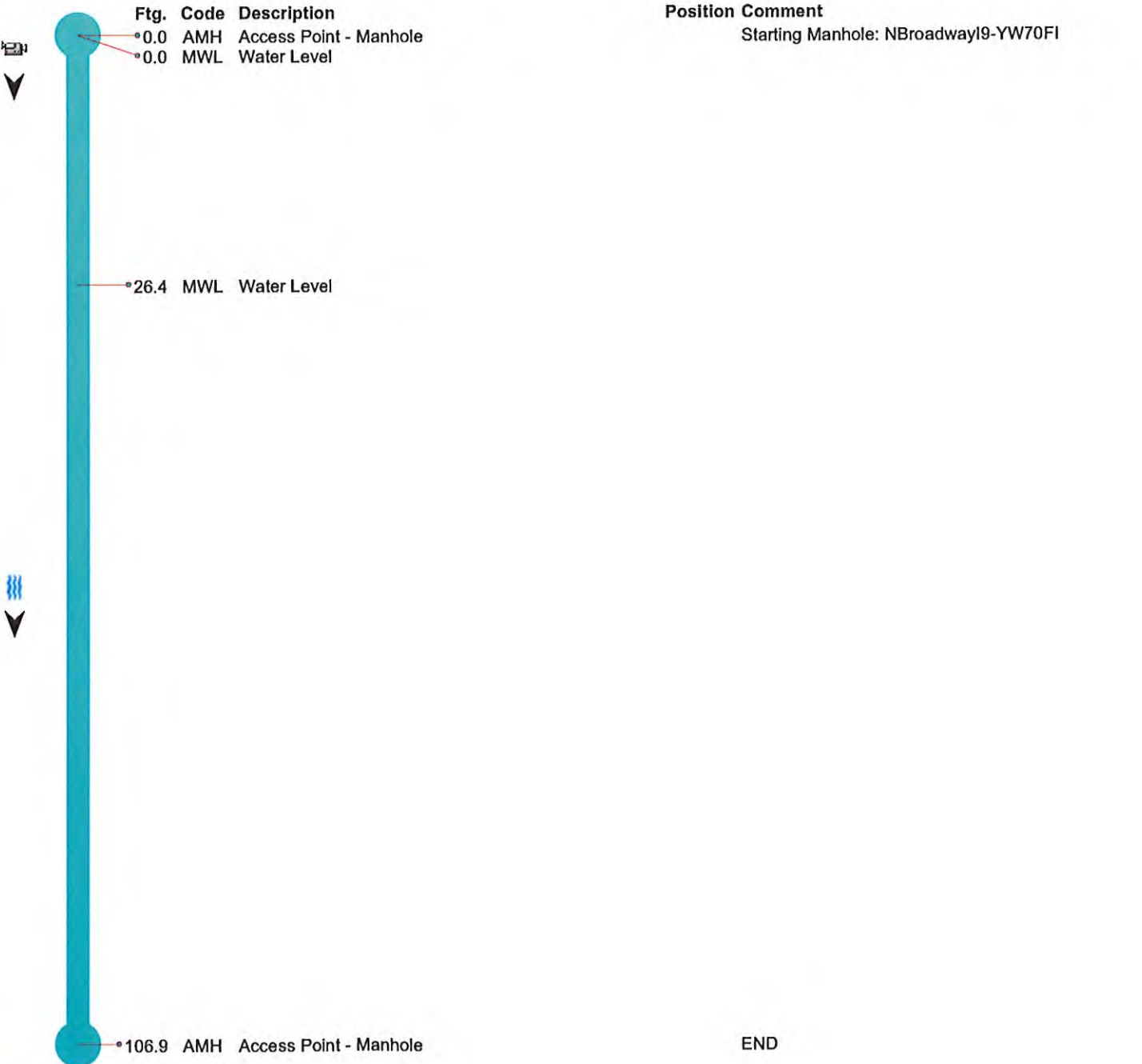
City of DePere  
925 South Sixth Street  
DePere, WI 54115-1199  
PH: 920-339-4062

<b>Upstream MH</b> NBroadwayI9-YW70FI	<b>Downstream MH</b> I9-Y4S0SU	<b>Size</b> 12	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 110	<b>City</b> City of DePere
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<b>Surveyor's Name</b> Daryl	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NBroadway	<b>Location Details</b>
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<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 10/12/2020	<b>Time</b> 08:13	<b>Length Surveyed</b>
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**Additional Information**  
VIBRATION IN HOUSE





**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

Upstream MH	Downstream MH	Size	Material	Total Length	City
NBroadwayToTrailI9-XGJ140	I9-VTK1XE	12	Concrete Segments (unbolted)	236	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
Daryl	U-312-14702	NBroadwayToTrail	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Maintenance Related	Dry	06/26/2015	12:20	

**Additional Information**

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: NBroadwayToTrailI9-XGJ140
0.0	MWL	Water Level		
0.0	SRI	Surface: Roughness Increased	6 to 6	S01
119.3	DAE	Deposits Attached: Encrustation	7 to 4	
185.1	SRI	Surface: Roughness Increased	6 to 6	F01
185.2	MMC	Material Change		PVC
220.3	DAE	Deposits Attached: Encrustation	12 to 7	
221.0	MMC	Material Change		NOT KNOWN
221.0	MSA	Survey Abandoned		CAN'T GET CAMERA BY DEPOSITS

Observations

J9-16N3BJ



EastOfI9-XTP51H

Observations

EastOfI9-XTP51H

Feet	Code	Clock	Value	Grade	Description	Remarks
000.0	AMH MWL SAV	01 (all)	5%	2	Access Point Manhole Miscellaneous Water Level Surface Damage Aggregate Visible	START
007.2	SAV MMC	01 (all)			Surface Damage Aggregate Visible Miscellaneous Material Change	CAST IRON?
026.5	MSA				Miscellaneous Survey Abandoned	END

camera direction >

flow >

I9-XTP51H

GRANT C117



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Owner</b> City of DePere	<b>Customer</b> ENGINEERING	<b>Upstream MH</b> GrantH8- XPH5TY	<b>Downstream MH</b> TapH8-YYG7NG	<b>Date</b> 04-04-2014	<b>Time</b> 7:24 AM
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<b>Surveyor</b> DARYL	<b>Street</b> Grant	<b>City</b> City of DePere	<b>Weather</b> Light Rain
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<b>Size</b> 10	<b>Material</b> Concrete segments (unbolted)	<b>Sewer Use</b> Sanitary	<b>Purpose</b> Maintenance Related	<b>Length</b> 134
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<b>Comments</b>	<b>Pre-Cleaning</b> Jetting	<b>(TV'd)</b> 77.2
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Ftg.	Code	Description	Position	Severity	Comment
0.0	IB	Begin Inspection			
0.0	GO	General Observation			MWL 5%
0.0	SD	Surface Damage		2	SAV S01
10.4	JO	Joint Offset		2	JO
11.9	GO	General Observation			MWL 10%
21.8	GO	General Observation			MWL 5%
70.4	GO	General Observation			MWL 50%
73.3	GO	General Observation			MWL 70%
75.8	SD	Surface Damage		2	SAV F01
75.8	GO	General Observation			MCU
77.2	IE	End Inspection			



GOOD HOPE C118



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

Upstream MH	Downstream MH	Size	Material	Total Length	City
NGoodHopeI7-LI6GIM	I7-IRGHXO	8	Concrete Segments (unbolted)	400	City of DePere

Surveyor's Name	Certificate Number	Street Address	Location Details
DARYL	U-312-14702	NGoodHope	

Direction	Purpose	Weather	Date	Time	Length Surveyed
Downstream	Maintenance Related	Dry	08/16/2016	09:10	

**Additional Information**

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: NGoodHoppel7-LI6GIM
0.0	MWL	Water Level		
0.0	SRI	Surface: Roughness Increased	6 to 6	S01
2.2	DAE	Deposits Attached: Encrustation	7 to 5	
6.4	DAE	Deposits Attached: Encrustation	2 to 5	
6.4	MWL	Water Level		
9.8	TFA	Tap, Factory Made: Active	10	
11.2	DAE	Deposits Attached: Encrustation	2 to 5	
14.8	DAE	Deposits Attached: Encrustation	1 to 4	
19.1	MWL	Water Level		
21.3	DAE	Deposits Attached: Encrustation	7 to 5	
29.8	TFA	Tap, Factory Made: Active	3	
34.6	DAE	Deposits Attached: Encrustation	8 to 9	
41.3	DAE	Deposits Attached: Encrustation	1 to 5	
51.4	DAE	Deposits Attached: Encrustation	7 to 5	DAE IN SOME PIPE
63.1	MWL	Water Level		
72.9	MWL	Water Level		
85.2	TFA	Tap, Factory Made: Active	10	
110.3	TFA	Tap, Factory Made: Active	2	
133.3	MWL	Water Level		
137.6	MWL	Water Level		
150.4	MWL	Water Level		
160.7	MWL	Water Level		
170.2	TFA	Tap, Factory Made: Active	9	
190.4	TFA	Tap, Factory Made: Active	3	
250.6	TFA	Tap, Factory Made: Active	9	
270.6	TFA	Tap, Factory Made: Active	2	
271.6	MWL	Water Level		
280.8	MWL	Water Level		
300.6	MWL	Water Level		
311.5	MWL	Water Level		
345.7	TFA	Tap, Factory Made: Active	10	
346.3	MWL	Water Level		
349.5	MWL	Water Level		
356.7	MWL	Water Level		
360.5	TFA	Tap, Factory Made: Active	2	
375.7	ID	Infiltration - Dripper	12 to 1	
389.7	SRI	Surface: Roughness Increased	6 to 6	F01
391.6	AMH	Access Point - Manhole		END

GOOD HOPE C119



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Upstream MH</b> NGoodHopl7-07ZF49	<b>Downstream MH</b> I7-LI6GIM	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 396	<b>City</b> City of DePere
<b>Surveyor's Name</b> DARYL	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NGoodHope		<b>Location Details</b>	
<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 08/16/2016	<b>Time</b> 10:20	<b>Length Surveyed</b>
<b>Additional Information</b>					

Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: NGoodHopl7-07ZF49
0.0	MWL	Water Level		
0.6	SRI	Surface: Roughness Increased	6 to 6	S01
1.9	DAE	Deposits Attached: Encrustation	7 to 5	
7.3	TFA	Tap, Factory Made: Active	10	
17.4	TFA	Tap, Factory Made: Active	3	
23.8	DAE	Deposits Attached: Encrustation	3 to 5	
33.8	DAE	Deposits Attached: Encrustation	12 to 5	
58.8	DAE	Deposits Attached: Encrustation	2 to 5	
68.9	MWL	Water Level		
73.7	DAE	Deposits Attached: Encrustation	7 to 5	DAE IN SOME PIPE
79.1	MWL	Water Level		
92.4	TFA	Tap, Factory Made: Active	10	
97.1	MWL	Water Level		
106.0	MWL	Water Level		
107.4	TFA	Tap, Factory Made: Active	2	
161.0	MWL	Water Level		
165.2	MWL	Water Level		
167.4	TFA	Tap, Factory Made: Active	10	
169.2	MWL	Water Level		
179.0	ID	Infiltration - Dripper	12	
187.5	TFA	Tap, Factory Made: Active	3	
247.6	TFA	Tap, Factory Made: Active	10	
267.6	TFA	Tap, Factory Made: Active	3	
326.0	MWL	Water Level		
327.6	TFA	Tap, Factory Made: Active	9	
338.3	MWL	Water Level		
347.6	TFA	Tap, Factory Made: Active	2	
394.0	SRI	Surface: Roughness Increased	6 to 6	F01
394.9	AMH	Access Point - Manhole		END



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Upstream MH</b> NGoodHopl7-OAN98E	<b>Downstream MH</b> I7-OC5C6A	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 381	<b>City</b> City of DePere
<b>Surveyor's Name</b> DARYL	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NGoodHope		<b>Location Details</b>	
<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 08/16/2016	<b>Time</b> 12:53	<b>Length Surveyed</b>

**Additional Information**

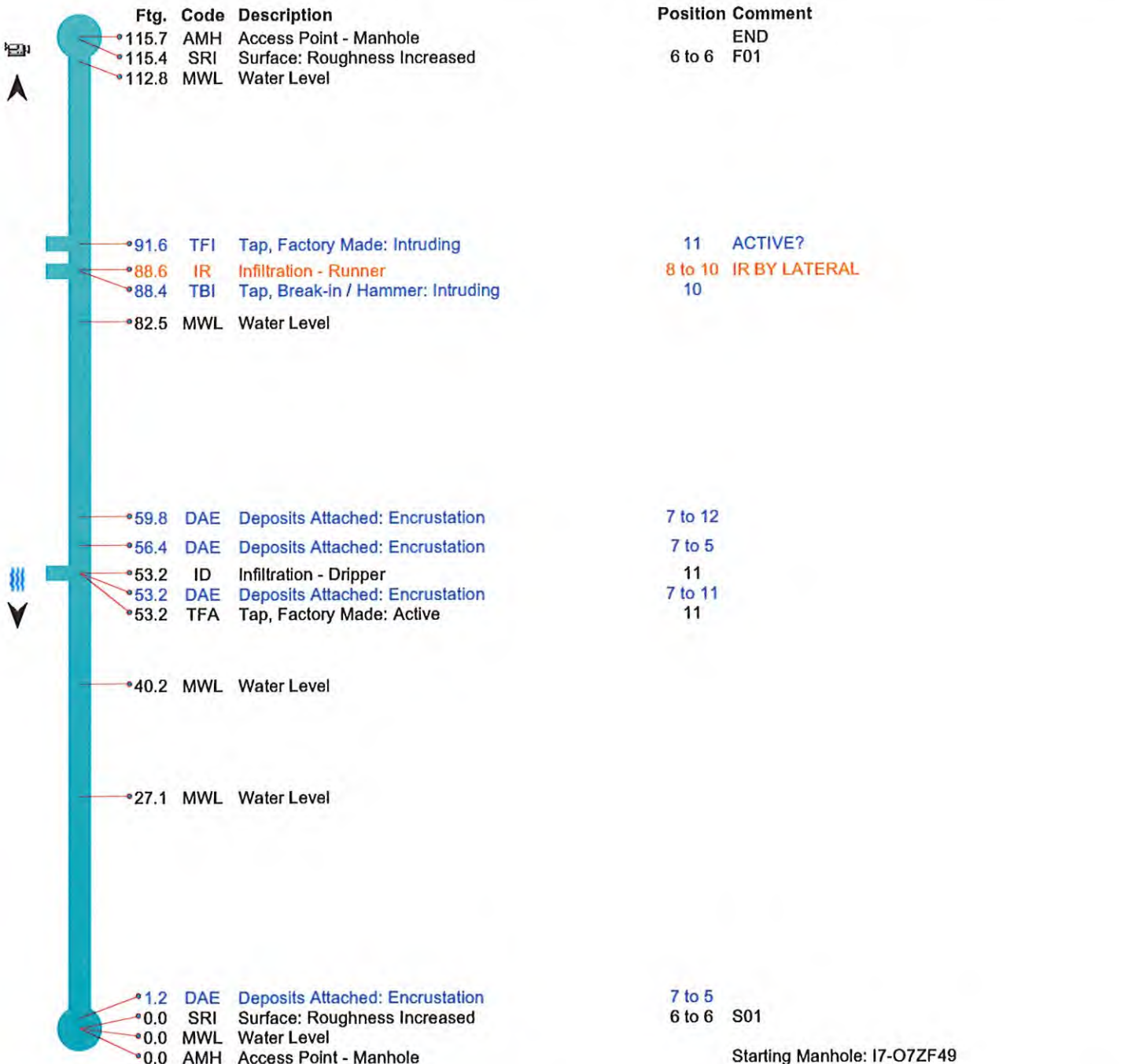
Ftg.	Code	Description	Position	Comment
0.0	AMH	Access Point - Manhole		Starting Manhole: NGoodHopl7-OAN98E
0.0	MWL	Water Level		
3.9	MWL	Water Level		
14.9	MWL	Water Level		
23.1	DAE	Deposits Attached: Encrustation	7 to 5	
24.6	TFA	Tap, Factory Made: Active	11	
36.0	SRI	Surface: Roughness Increased	6 to 6	S01
68.9	TFA	Tap, Factory Made: Active	2	
69.4	DAE	Deposits Attached: Encrustation	3 to 5	
94.3	TFA	Tap, Factory Made: Active	10	
117.6	DAE	Deposits Attached: Encrustation	3 to 5	
123.3	DAE	Deposits Attached: Encrustation	7 to 9	
129.0	MWL	Water Level		
136.4	MWL	Water Level		
143.4	TFA	Tap, Factory Made: Active	3	
150.0	MWL	Water Level		
160.9	MWL	Water Level		
174.3	TFA	Tap, Factory Made: Active	11	
174.3	DAE	Deposits Attached: Encrustation	8 to 12	
177.5	DAE	Deposits Attached: Encrustation	7 to 5	
218.4	TFA	Tap, Factory Made: Active	2	
222.2	DAE	Deposits Attached: Encrustation	7 to 9	
229.5	MWL	Water Level		
246.7	DAE	Deposits Attached: Encrustation	2 to 5	
257.2	MWL	Water Level		
271.7	TFA	Tap, Factory Made: Active	10	
271.7	DAE	Deposits Attached: Encrustation	7 to 9	
271.7	DAE	Deposits Attached: Encrustation	3 to 5	
279.3	MWL	Water Level		
284.4	TFA	Tap, Factory Made: Active	2	
286.2	DAE	Deposits Attached: Encrustation	7 to 10	
289.3	MWL	Water Level		
297.6	DAE	Deposits Attached: Encrustation	1 to 5	
342.5	DAE	Deposits Attached: Encrustation	3 to 5	
344.3	TFI	Tap, Factory Made: Intruding	11	
347.5	DAE	Deposits Attached: Encrustation	7 to 5	
354.6	MWL	Water Level		
358.2	MWL	Water Level		
365.0	SRI	Surface: Roughness Increased	6 to 6	F01
365.0	SAV	Surface: Aggregate Visible	6 to 6	S02
365.0	MWL	Water Level		
367.8	MWL	Water Level		
372.0	TFI	Tap, Factory Made: Intruding	2	
372.0	DAE	Deposits Attached: Encrustation	3 to 5	
372.2	SAV	Surface: Aggregate Visible	6 to 6	F02
372.2	MSA	Survey Abandoned		CAN'T GET CAMERA BY LATERAL

GOOD HOPE C120



**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

<b>Upstream MH</b> NGoodHopeI7-OMOEAN	<b>Downstream MH</b> I7-O7ZF49	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 119	<b>City</b> City of DePere
<b>Surveyor's Name</b> DARYL	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NGoodHope		<b>Location Details</b>	
<b>Direction</b> Upstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 08/17/2016	<b>Time</b> 09:54	<b>Length Surveyed</b>
<b>Additional Information</b> UPSTREAM					



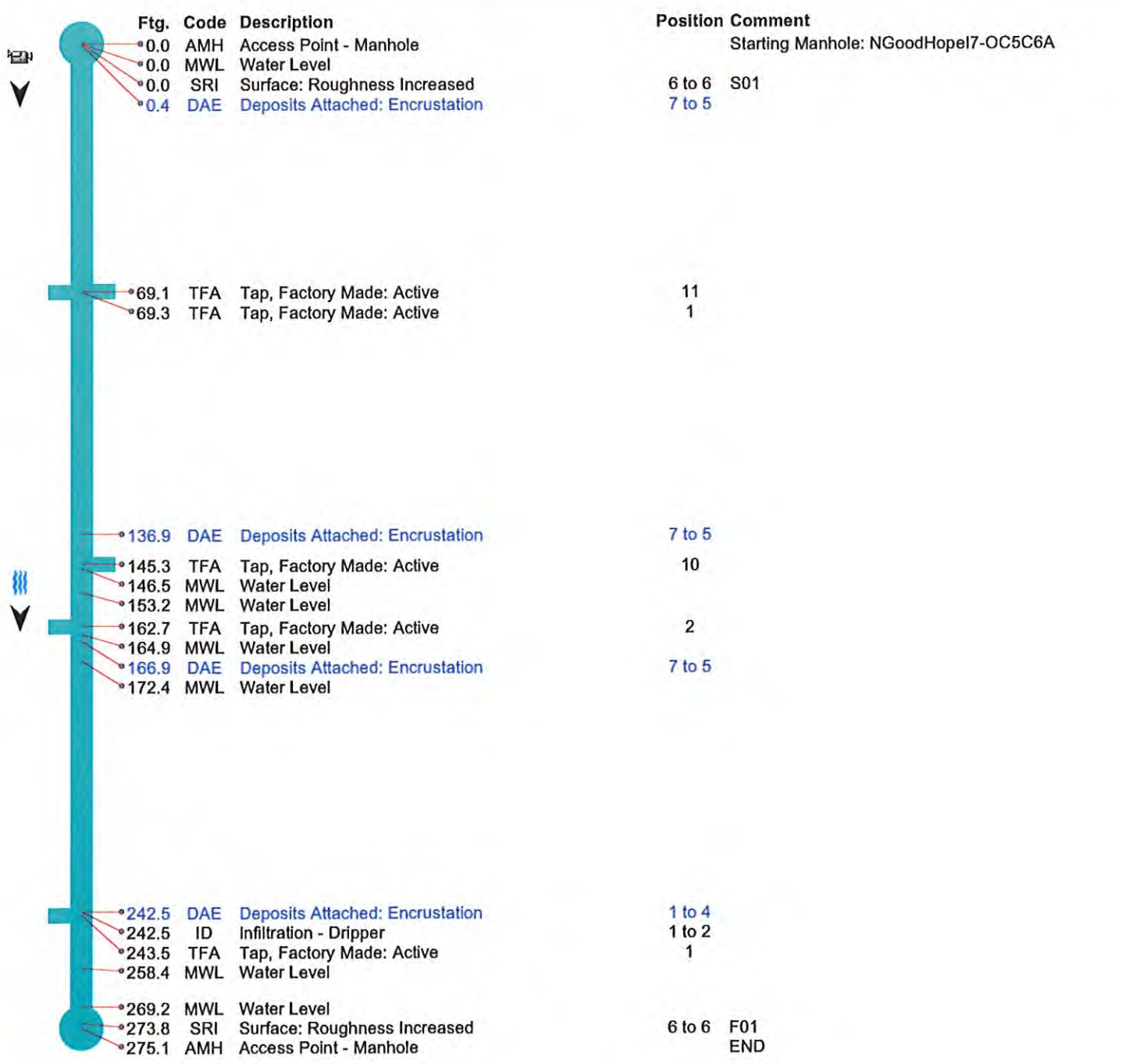


**City of DePere**  
 925 South Sixth Street  
 DePere, WI 54115-1199  
 PH: 920-339-4062

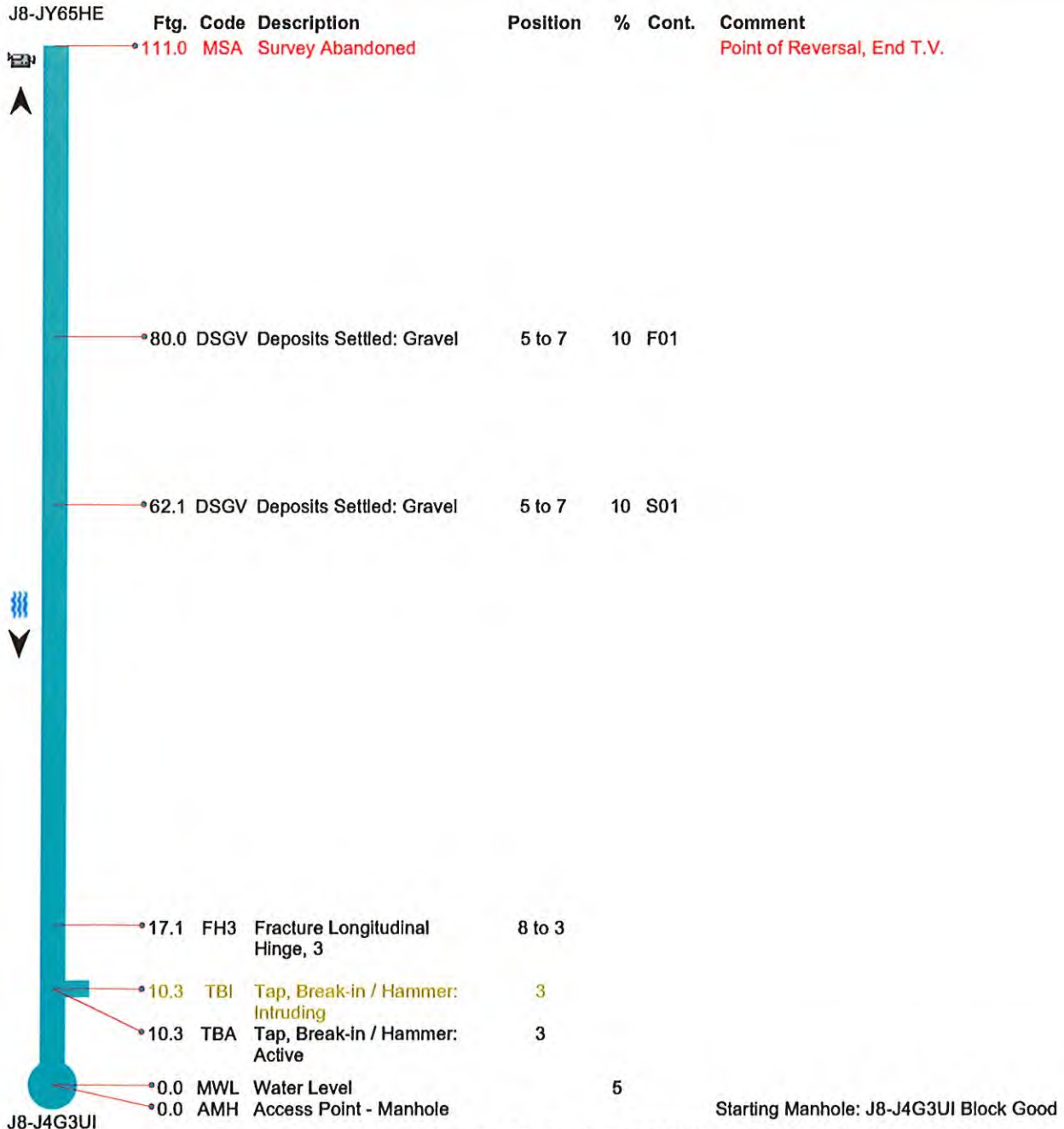
<b>Upstream MH</b> NGoodHopl7-OC5C6A	<b>Downstream MH</b> I7-OMOEAN	<b>Size</b> 8	<b>Material</b> Concrete Segments (unbolted)	<b>Total Length</b> 277	<b>City</b> City of DePere
<b>Surveyor's Name</b> DARYL	<b>Certificate Number</b> U-312-14702	<b>Street Address</b> NGoodHope		<b>Location Details</b>	
<b>Direction</b> Downstream	<b>Purpose</b> Maintenance Related	<b>Weather</b> Dry	<b>Date</b> 08/16/2016	<b>Time</b> 12:05	<b>Length Surveyed</b>

**Additional Information**

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<b>Upstream MH</b> J8-JY65HE			<b>Downstream MH</b> J8-J4G3UI		
<b>Date</b> 5/31/2018	<b>Time</b> 9:29 AM	<b>Street</b> Esmnt e/o S Webster			<b>Page</b> 1
<b>Sewer Use</b> Stormwater	<b>Pipe Size</b> 10	<b>Pipe ID</b>	<b>Jt. Spacing</b> 6	<b>Shape</b> Circular	<b>Survey Direction</b> Upstream
<b>Pre-Cleaning</b> Heavy Cleaning	<b>Weather</b> Dry	<b>Media Label</b>	<b>Rim to Invert (U)</b> 7	<b>Rim to Invert (D)</b> 4	<b>Flow Direction</b> SW
<b>Date Cleaned</b> 5/29/2018	<b>Surveyed Length</b> 111	<b>Total Length</b> 238	<b>Surveyor</b> Tim LaCrosse	<b>Certificate No.</b> U-207-4505	<b>Surface</b> Turf
<b>Owner</b> City of De Pere		<b>Material</b> Reinforced Concrete Pipe		<b>Project</b> 18-15	
<b>Additional Information</b>					

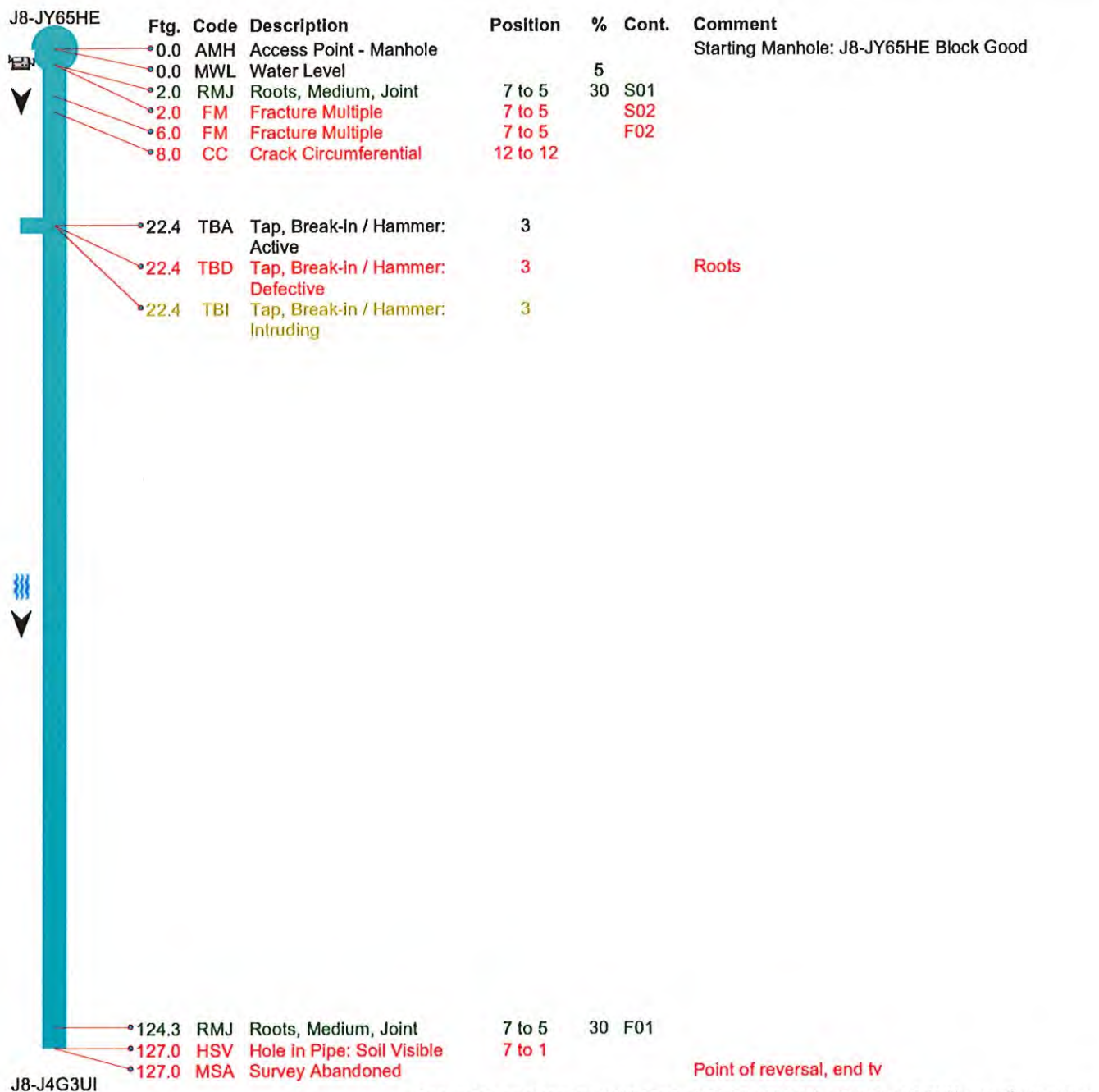


S. CLAY C122



De Pere, WI

<b>Upstream MH</b> J8-JY65HE			<b>Downstream MH</b> J8-J4G3UI		
<b>Date</b> 5/31/2018	<b>Time</b> 8:22 AM	<b>Street</b> Esmnt e/o S Webster			<b>Page</b> 1
<b>Sewer Use</b> Stormwater	<b>Pipe Size</b> 10	<b>Pipe ID</b>	<b>Jt. Spacing</b> 4	<b>Shape</b> Circular	<b>Survey Direction</b> Downstream
<b>Pre-Cleaning</b> Heavy Cleaning	<b>Weather</b> Dry	<b>Media Label</b>	<b>Rim to Invert (U)</b> 4.3	<b>Rim to Invert (D)</b> 4	<b>Flow Direction</b> SW
<b>Date Cleaned</b> 5/29/2018	<b>Surveyed Length</b> 127	<b>Total Length</b> 238	<b>Surveyor</b> Tim LaCrosse	<b>Certificate No.</b> U-207-4505	<b>Surface</b> Turf
<b>Owner</b> City of De Pere		<b>Material</b> Reinforced Concrete Pipe		<b>Project</b> 18-15	
<b>Additional Information</b> Root Cut 128'					

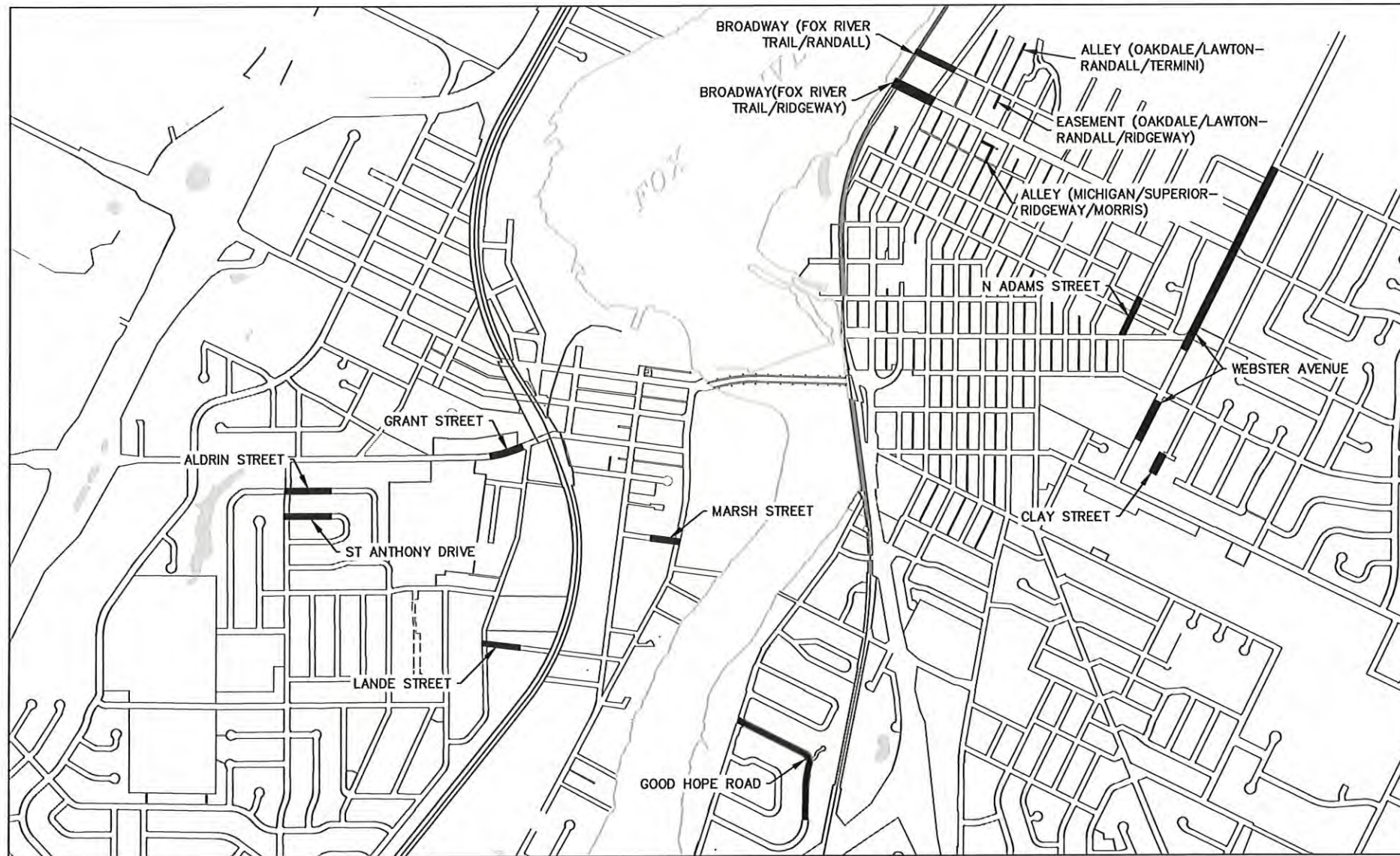


# PROJECT 25-03 SEWER LINING

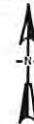
CITY OF DE PERE



ENGINEER DIVISION  
925 S. SIXTH ST  
DE PERE, WI 54115



SITE LOCATION MAP  
N.T.S.



SHEET NO.	DESCRIPTION
G001	TITLE SHEET
G002	STANDARD ABBREVIATION & SYMBOLS
C101	LANDE STREET PLAN AND PROFILE SHEET
C102	MARSH STREET PLAN AND PROFILE SHEET
C103	N ADAMS STREET PLAN AND PROFILE SHEET
C104 - C105	ALLEY/EASEMENT (MICHIGAN/SUPERIOR-RIDGEWAY/MORRIS) PLAN AND PROFILE SHEET
C106	ALDRIN STREET PLAN AND PROFILE SHEET
C107	ALLEY (OAKDALE/LAWTON-RANDALL/TERMINI) PLAN AND PROFILE SHEET
C108	EASEMENT (OAKDALE/LAWTON-RANDALL/RIDGEWAY) PLAN AND PROFILE SHEET
C109	ST ANTHONY DRIVE PLAN AND PROFILE SHEET
C110 - C114	WEBSTER AVENUE PLAN AND PROFILE SHEET
C115	NORTH BROADWAY (FOX RIVER TRAIL/RIDGEWAY) PLAN AND PROFILE SHEET
C116	NORTH BROADWAY (FOX RIVER TRAIL/RANDALL) PLAN AND PROFILE SHEET
C117	GRANT STREET PLAN AND PROFILE SHEET
C118 - C120	GOOD HOPE ROAD PLAN AND PROFILE SHEET
C121	SOUTH CLAY STREET PLAN AND PROFILE SHEET
C401 - C402	TRAFFIC CONTROL DETAILS
C403 - C404	DRAINAGE BASIN MAPS

CITY OF DE PERE  
BOARD OF PUBLIC WORKS

2/6/2025 *E.P. Laker*  
DATE CITY ENGINEER  
2/6/2025 *Anna M. Hales*  
DATE CITY MANAGER

STAMPS:





**LIST OF STANDARD ABBREVIATIONS**

ADT	AVERAGE DAILY TRAFFIC	N	NORTH
AGGR	AGGREGATE	NB	NORTHBOUND
AH	AHEAD	NC	NORMAL CROWN
ASPH	ASPHALT	NE	NORTHEAST
B/B	BACK TO BACK	NO	NUMBER
BARR	BARRICADE	NTS	NOT TO SCALE
BC	BACK OF CURB	NW	NORTHWEST
BK	BACK	OD	OUTSIDE DIAMETER
BL	BASELINE	PC	POINT OF CURVATURE
BLVD	BOULEVARD	PCC	POINT OF COMPOUND CURVE
BLDG	BUILDING	PCC	PORTLAND CEMENT CONCRETE
BM	BENCHMARK	PED	PEDESTAL
BOW	BACK OF SIDEWALK	PLE	PERMANENT LIMITED EASEMENT
BSMT	BASEMENT	PVMT	PAVEMENT
C	CUT	PE	PRIVATE ENTRANCE
C&G	CURB AND GUTTER	PI	POINT OF INTERSECTION
C/C	CENTER TO CENTER	PL	PROPERTY LINE
CABC	CRUSHED AGGREGATE BASE COURSE	POC	POINT OF CURVE
CB	CATCH BASIN	POT	POINT ON TANGENT
CE	CONSTRUCTION ENTRANCE	PP	POLYETHYLENE
CI	CAST IRON PIPE	PRC	POINT OF REVERSE CURVATURE
CL	CENTERLINE	PROJ	PROJECT
CMP	CORRUGATED METAL PIPE	PROP	PROPOSED
CNTY	COUNTY	PRZ	PROTECTIVE ROOT ZONE
CO	CLEANOUT	PSI	POUND PER SQUARE INCH
CONC	CONCRETE	PT	POINT OF TANGENCY
CONSTR	CONSTRUCTION	PVC	POLYVINYL CHLORIDE
CONSTR JT	CONSTRUCTION JOINT	R	RANGE OR RADIUS
CORP	CORPORATION	RCP	REINFORCED CONCRETE PIPE
CP	CONTROL POINT	REBAR	REINFORCEMENT BAR
CTH	COUNTY TRUNK HIGHWAY	REL	RELOCATE
CTRL JT	CONTROL JOINT	REM	REMAINING
CTV	CABLE TV	REQD	REQUIRED
CY	CUBIC YARD	RL	REFERENCE LINE
D	DEPTH	ROW	RIGHT OF WAY
DIA	DIAMETER	RP	REFERENCE POINT
DI	DUCTILE IRON PIPE	RR	RAILROAD
DISCH	DISCHARGE	RT	RIGHT
DW	DRIVEWAY	RW	RETAINING WALL
E	EAST (SEE ELEC BELOW)	S	SOUTH
EA	EACH	SALV	SALVAGE
EB	EASTBOUND	SAN	SANITARY
EBS	EXCAVATION BELOW SUBGRADE	SB	SOUTHBOUND
EL	ELEVATION	SDWK	SIDEWALK
ELEC	ELECTRIC (E WHEN USED IN LINE STYLE)	SE	SOUTHEAST
EMB	EMBANKMENT	SF	SQUARE FEET
ENTR	ENTRANCE	SHLDR	SHOULDER
EP	EDGE OF PAVEMENT	SY	SQUARE YARD
EW	ENDWALL	SS	SANITARY SEWER
EXC	EXCAVATION	ST	STREET ( ST WHEN USED FOR STORM SEWER LINE)
EXIST	EXISTING	STA	STATION
F	FILL	STD	STANDARD
F/F	FACE TO FACE	STH	STATE HIGHWAY TRUNK
FDN	FOUNDATION	STM	STORM
FE	FIELD ENTRANCE	STRUCT	STRUCTURE OR STRUCTURAL
FERT	FERTILIZER	SW	SOUTHWEST
FIN GR	FINISHED GRADE	TAN	TANGENT
FL	FLOWLINE	T	TELEPHONE LINE
FO	FIBER OPTIC	TEL	TELEPHONE
FOW	FRONT OF SIDEWALK	TEMP	TEMPORARY
FT	FOOT	TLE	TEMPORARY LIMITED EASEMENT
FTG	FOOTING	TOC	TOP OF CURB
G	GAS	TOW	TOP OF WATER
GV	GAS VALVE	TRANS	TRANSITION
GW	GUY WIRE	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	UG	UNDERGROUND
HR	HANDICAP RAMP	USH	US HIGHWAY
HSE	HOUSE	VC	VERTICAL CURVE
HT	HEIGHT	VERT	VERTICAL
HYD	HYDRANT	VOL	VOLUME
I	INTERSECTION ANGLE	VPC	VERTICAL POINT OF CURVATURE
ID	INSIDE DIAMETER	VPI	VERTICAL POINT OF INTERSECTION
IN	INCH	VPRC	VERTICAL POINT OF REVERSE CURVE
INL	INLET	VPT	VERTICAL POINT OF TANGENCY
INTERS	INTERSECTION	W	WEST (W WHEN USED FOR WATER LINE)
INV	INVERT	WB	WESTBOUND
IP	IRON PIPE OR PIN	WM	WATERMAIN
L	LENGTH (OF CURVE)	WSO	WATER SHUTOFF VALVE
LC	LONG CHORD OF CURVE	WV	WATER VALVE
LP	LIGHTPOLE	YD	YARD
LS	LIFT STATION OR LUMP SUM		
LT	LEFT		
MAINT	MAINTENANCE		
MATL	MATERIAL		
MB	MAILBOX		
MH	MANHOLE		
MP	MARKER POST		

**MAPPING & TOPOGRAPHY SYMBOLOGY**

DESCRIPTION	SYMBOL	
	EXISTING	PROPOSED
BENCHMARK		
BUSH		
CATCH BASIN/INLET		
CABLE TV BOX		
CONTROL POINT		
ELECTRICAL BOX		
EROSION CONTROL - INLET		
FIBER OPTIC PEDESTAL		
FIELD INLET		
GAS VALVE		
GUY WIRE		
HEDGE		
HYDRANT		
IRON PIPE		
LIGHTPOLE		
MAILBOX		
MANHOLE ELECTRIC		
MANHOLE SANITARY		
MANHOLE STORM		
MONITORING WELL		
POWER POLE		
SIGN		
SOIL BORING		
STUMP		
TELEPHONE MANHOLE		
TELEPHONE PEDESTAL		
TREE		
WELL		
WATER SERVICE VALVE		
BUTTERFLY WATER VALVE		
WATER VALVE		

**MAPPING & TOPOGRAPHY SYMBOLOGY**

DESCRIPTION	SYMBOL	
	PLAN	PROFILE
EXISTING SANITARY SEWER LINE		(SIZE AND MATERIAL) SAN
PROPOSED SANITARY SEWER LINE		100'-8" PVC SAN SAN
EXISTING STORM SEWER LINE		(SIZE AND MATERIAL) ST
PROPOSED STORM SEWER LINE		100'-8" PVC STM ST
EXISTING WATER MAIN LINE		(SIZE AND MATERIAL) W
PROPOSED WATER MAIN LINE		100'-8" PVC WM (TEE-BEND) W
EXISTING ELECTRICAL LINE		E
EXISTING GAS MAIN LINE		G
EXISTING TELEPHONE LINE		T
EXISTING CABLE TV LINE		TV
EXISTING SANITARY LATERAL		SAN
EXISTING WATER SERVICE		W
RIGHT OF WAY		ROW
PROPERTY LINE		PL
EASEMENT		ESM
LANDSCAPE FENCE		
SILT FENCE EROSION CONTROL		
EXISTING FIBER OPTIC		FO
EXISTING MAJOR CONTOUR		615
EXISTING MINOR CONTOUR		612
PROPOSED MAJOR CONTOUR		615
PROPOSED MINOR CONTOUR		612
EXISTING OVERHEAD UTILITY		OH OH
EXISTING SANITARY SEWER LINE		(SIZE AND MATERIAL)
PROPOSED SANITARY SEWER LINE		100'-8" PVC SAN @ 0.40%
EXISTING STORM SEWER LINE		(SIZE AND MATERIAL)
PROPOSED STORM SEWER LINE		100'-8" PVC STM @ 1.0%
EXISTING WATER MAIN LINE		(SIZE AND MATERIAL)
PROPOSED WATER MAIN LINE		PROPOSE 8" PVC WM

**GENERAL CONSTRUCTION NOTES:**

- ALL ELEVATIONS ARE REFERENCED TO NAVD 88.
- THE WORK UNDER THIS CONTRACT SHALL BE IN ACCORDANCE WITH THE CITY OF DE PERE, CURRENT CONSTRUCTION SPECIFICATIONS AND THESE SPECIAL PROVISIONS AND PLANS, AND THE LATEST ADDITION OF THE WISCONSIN DEPARTMENT OF TRANSPORTATION STANDARDS SPECIFICATIONS FOR HIGHWAY AND STRUCTURE CONSTRUCTION SPECIFICATIONS, LATEST EDITION, WHERE REFERENCED IN THE CITY SPECIFICATIONS.
- ALL EROSION CONTROL MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND SHALL CONFIRM TO THE WISCONSIN DEPARTMENT OF NATURAL RESOURCES CONSTRUCTION SITE EROSION CONTROL AND TECHNICAL STANDARDS.
- EXISTING UTILITIES SHOWN ON THE PLANS ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING EXACT LOCATIONS AND ELEVATIONS OF ALL UTILITIES. WHETHER SHOWN OR NOT, FROM THE OWNERS OF THE RESPECTIVE UTILITIES. ALL UTILITIES OWNERS SHALL BE NOTIFIED BY THE CONTRACTOR 72 HOURS PRIOR TO EXCAVATION.

**PATCH SYMBOLS**

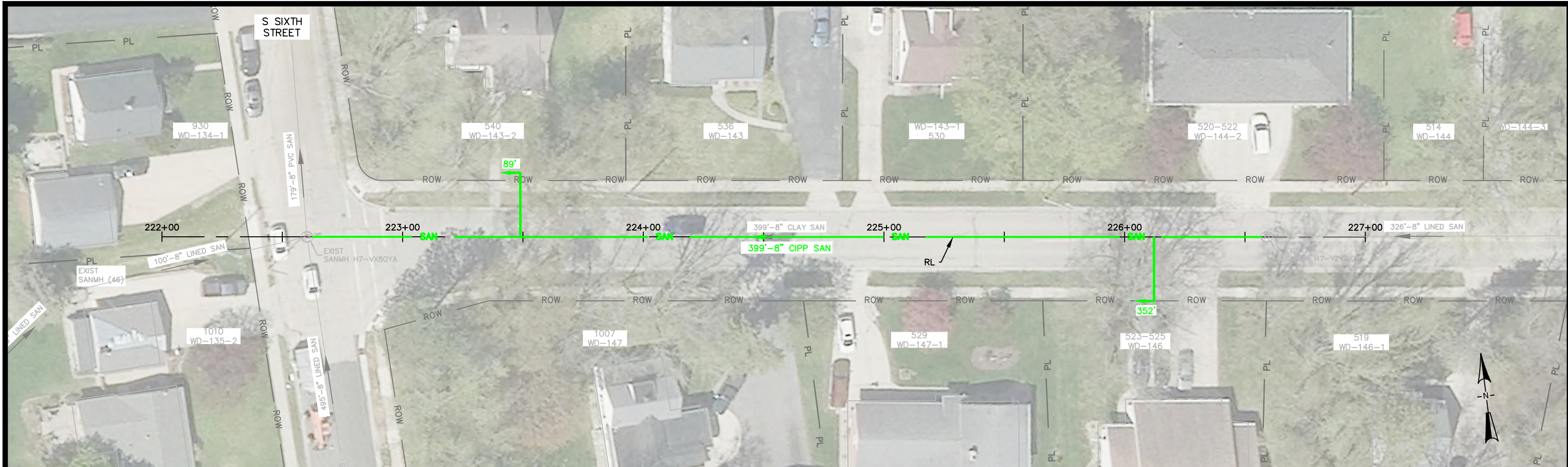
ASPHALTIC CONCRETE PAVEMENT		CRUSHED AGGREGATE BASE COURSE	
PORTLAND CEMENT CONCRETE			

**CITY OF DE PERE**

ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
OFFICE 920-339-4060 FAX 920-339-4071

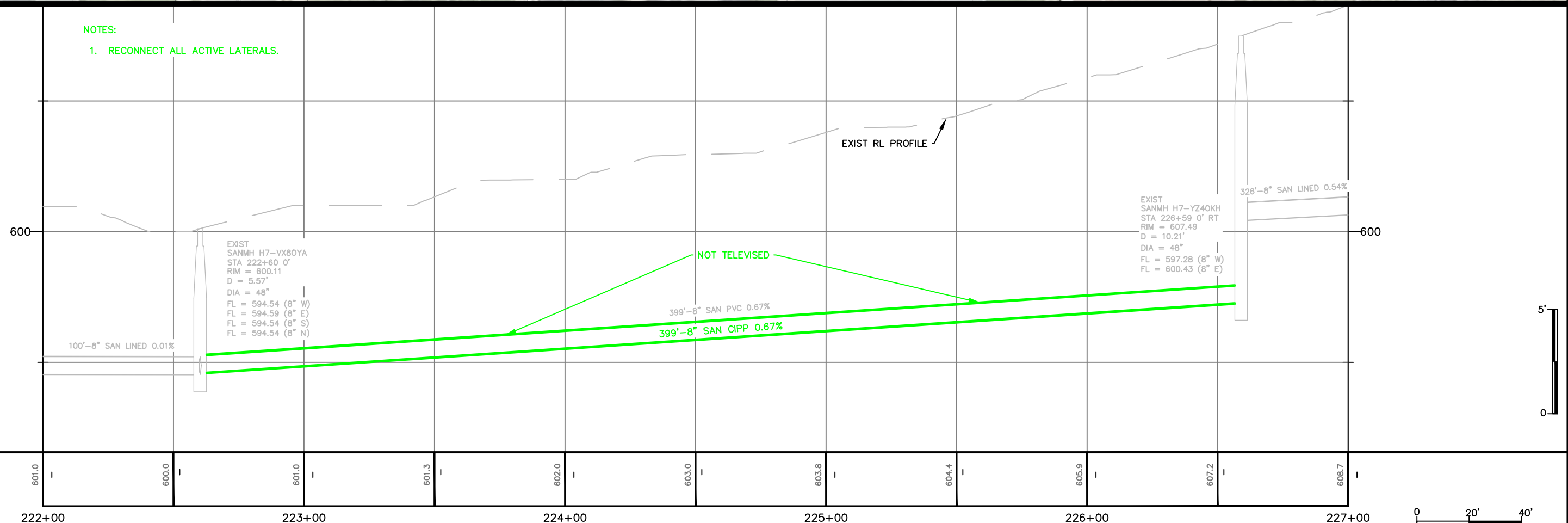
**STANDARD ABBREVIATIONS AND SYMBOLS**

NAME: SEWER LINING	BY	DATE	REVISIONS / ISSUES		PAGE NO. <b>G002</b>
PROJECT 25-03			NO.	DATE	
			BY	REMARKS	



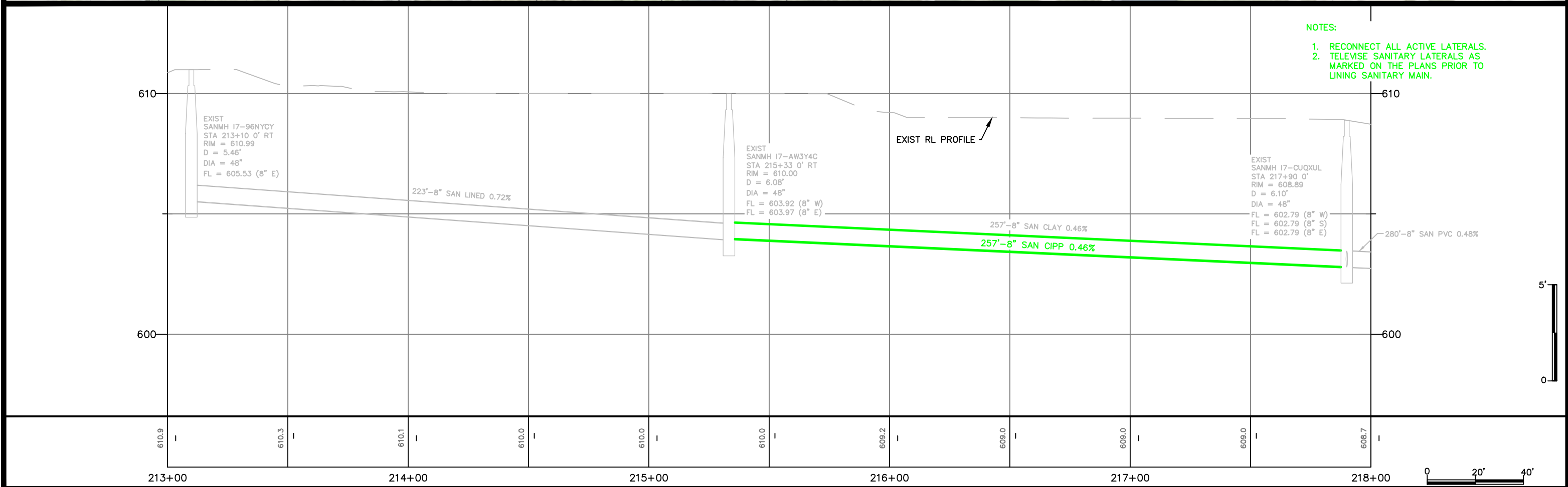
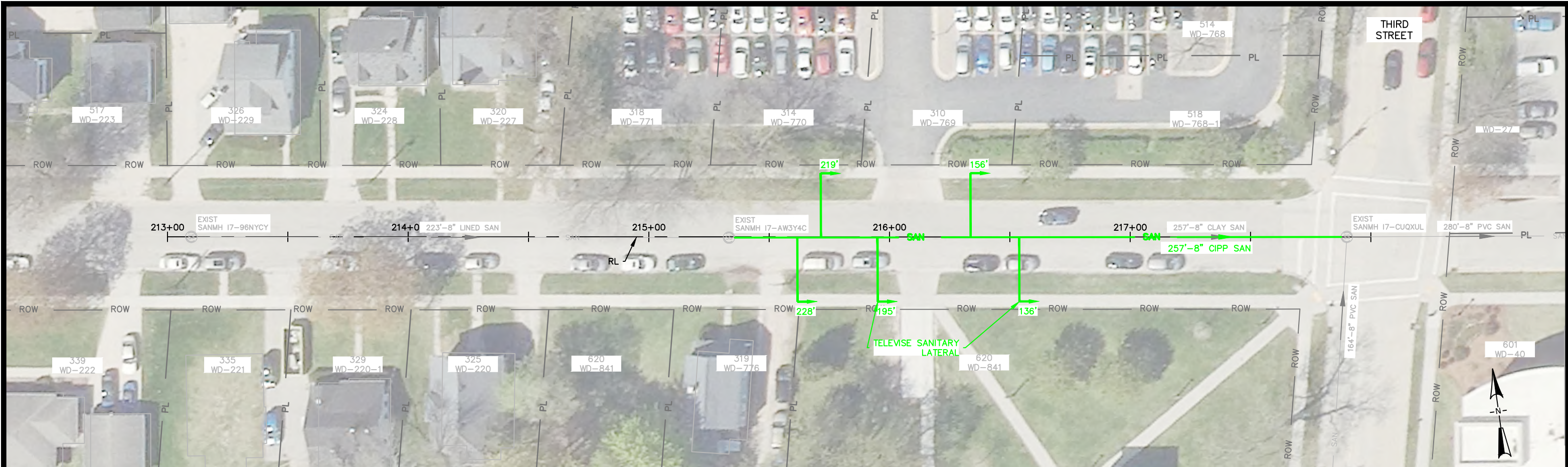
**NOTES:**

- 1. RECONNECT ALL ACTIVE LATERALS.



<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>LANDE STREET</b> SIXTH ST TO 500' E/O SIXTH ST	NAME:	SEWER LINING			BY	DATE	REVISIONS / ISSUES		PAGE NO.
		PROJECT	25-03					NO.	DATE	
						SURVEYED	01-2025			
						DRAWN	MAL			
						DESIGNED	MAL			
						CHECKED	EPR			

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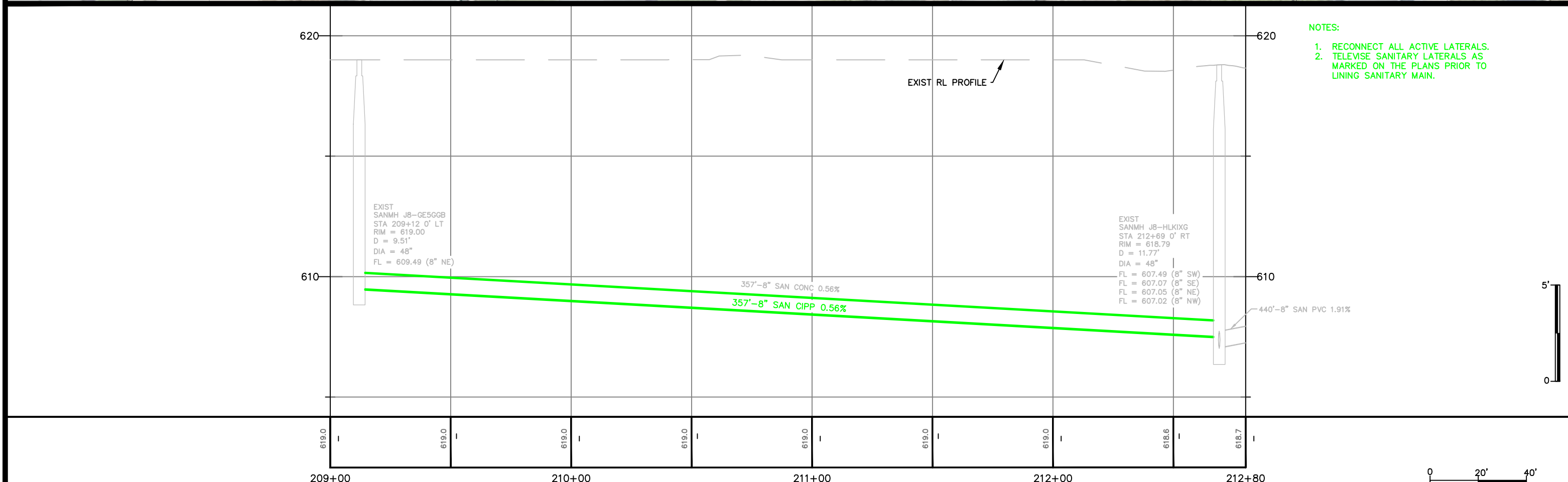
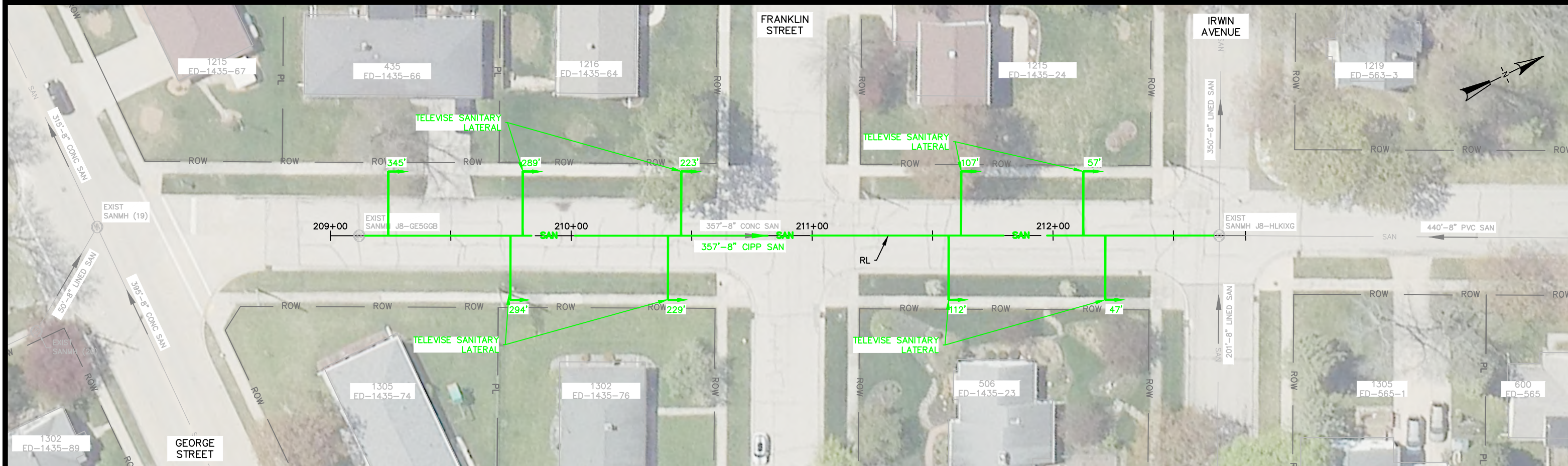
- NOTES:**
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEWISE SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.

**CITY OF DE PERE**  
 ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
 OFFICE 920-339-4061 FAX 920-339-4071

**MARSH STREET**  
**FOURTH ST TO THIRD ST**

NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C102</b>
PROJECT: 25-03	DRAWN: MAL	DESIGNED: MAL	NO.	DATE	
	CHECKED: EPR		BY	REMARKS	

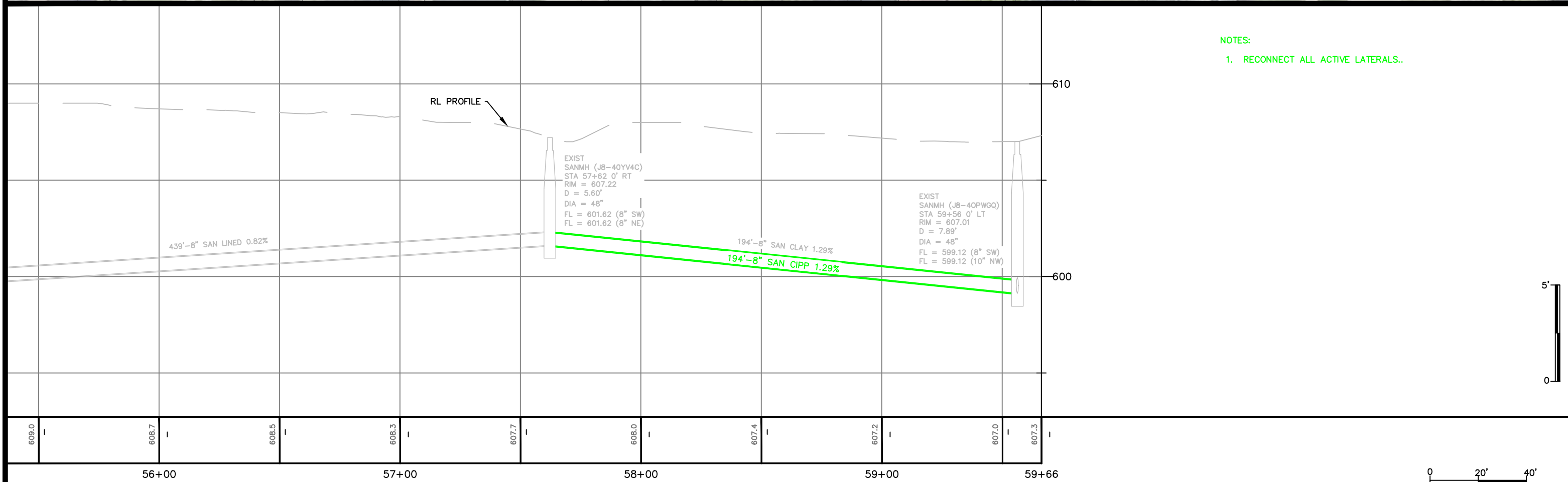
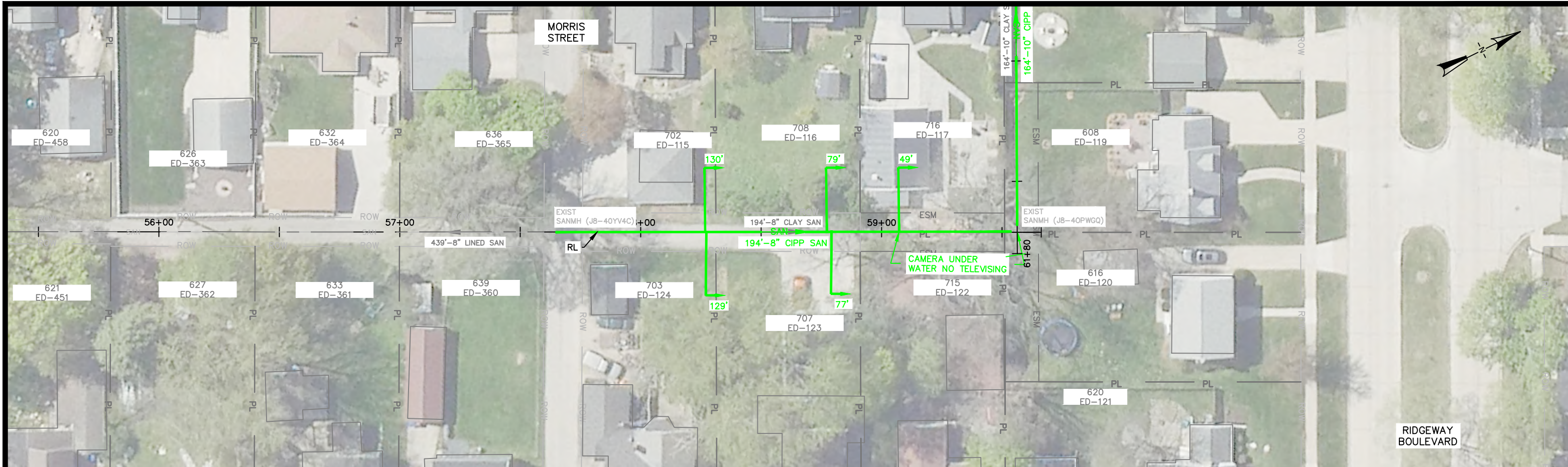
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- NOTES:**
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEWISE SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.

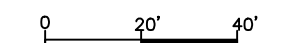
<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>N ADAMS STREET</b> GEORGE ST TO IRWIN AVE	NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	NO.	DATE	BY	REMARKS													PAGE NO. <b>C103</b>
		NO.	DATE	BY		REMARKS																
PROJECT: 25-03	DRAWN: MAL	DATE: 01-2025	CHECKED: EPR	DATE: 01-2025																		

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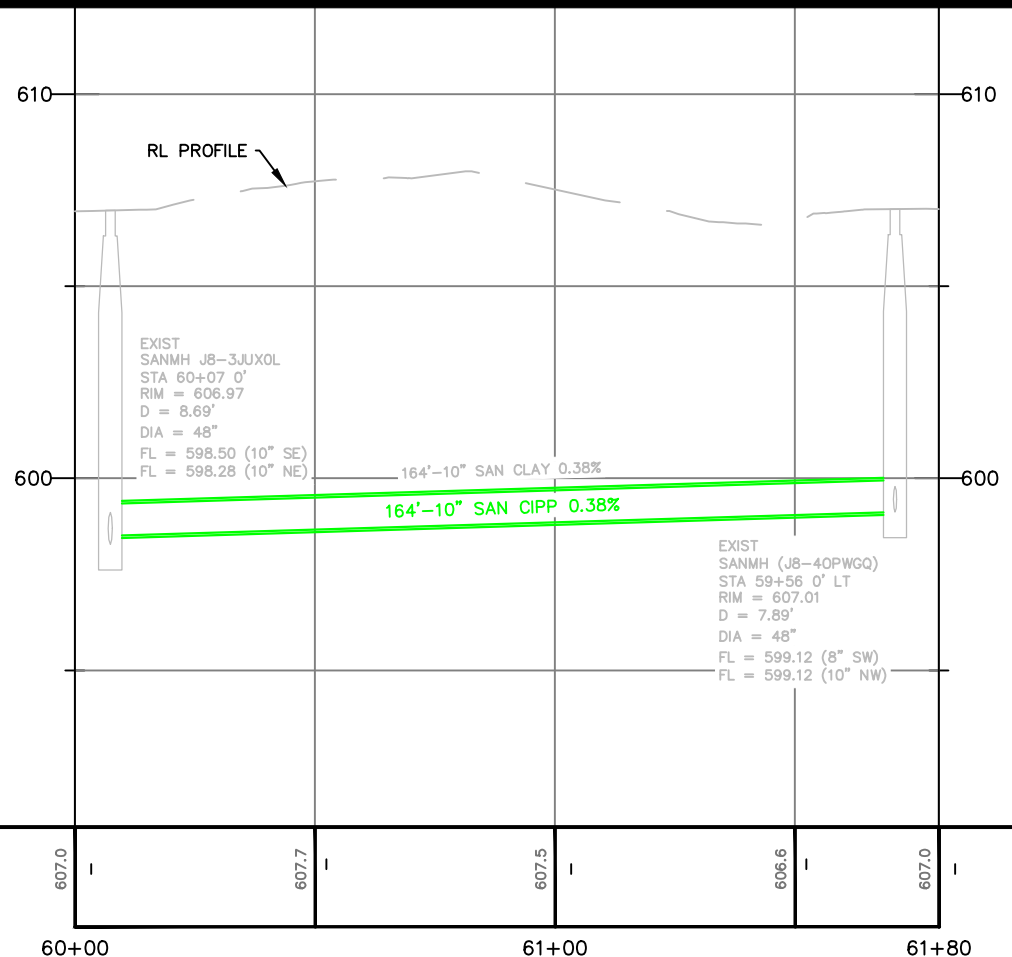
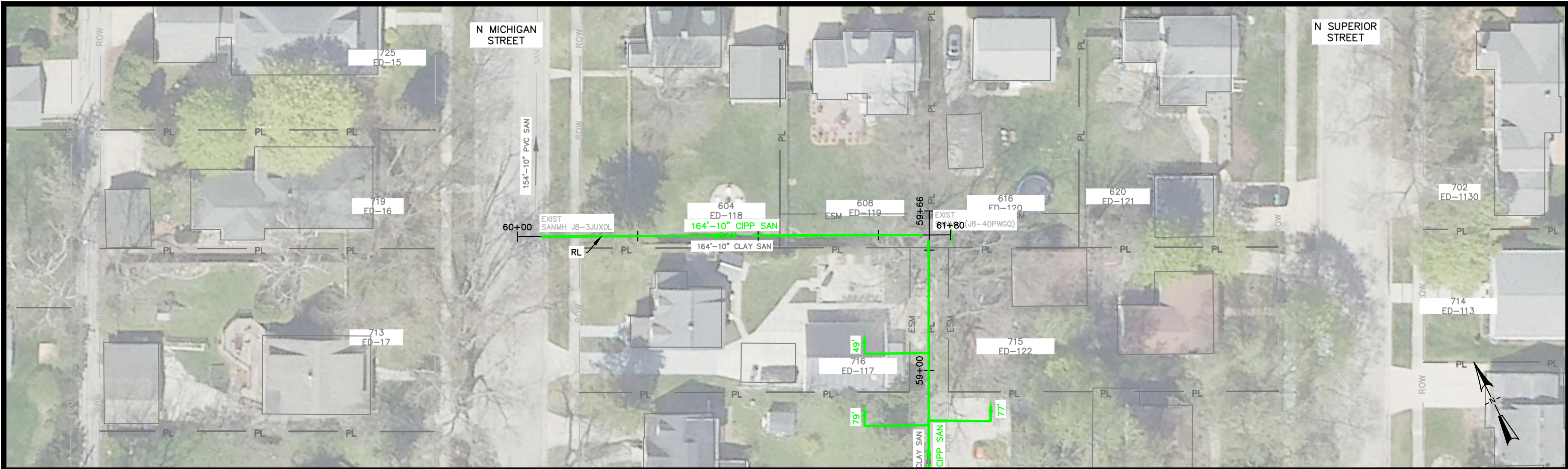


NOTES:  
1. RECONNECT ALL ACTIVE LATERALS..

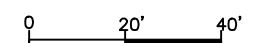
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<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>ALLEY - MICHIGAN/SUPERIOR</b> <b>MORRIS ST TO RIDGEWAY BLVD</b>	NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C104</b>
		PROJECT: 25-03	DRAWN: MAL	DESIGNED: MAL	CHECKED: EPR	NO.	



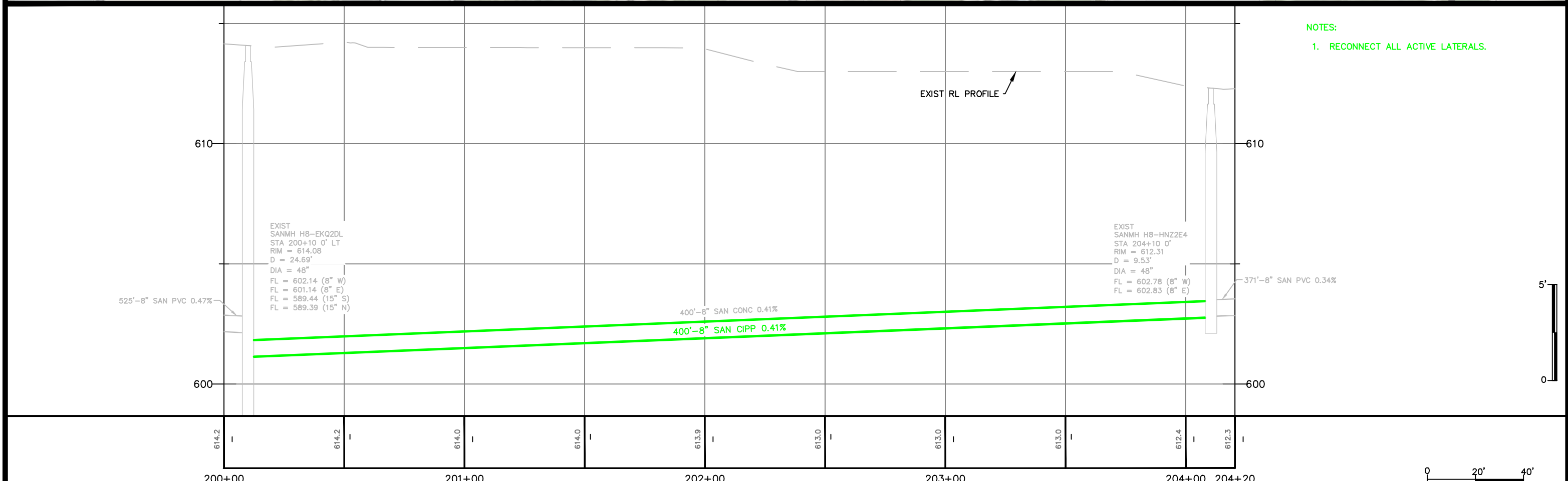
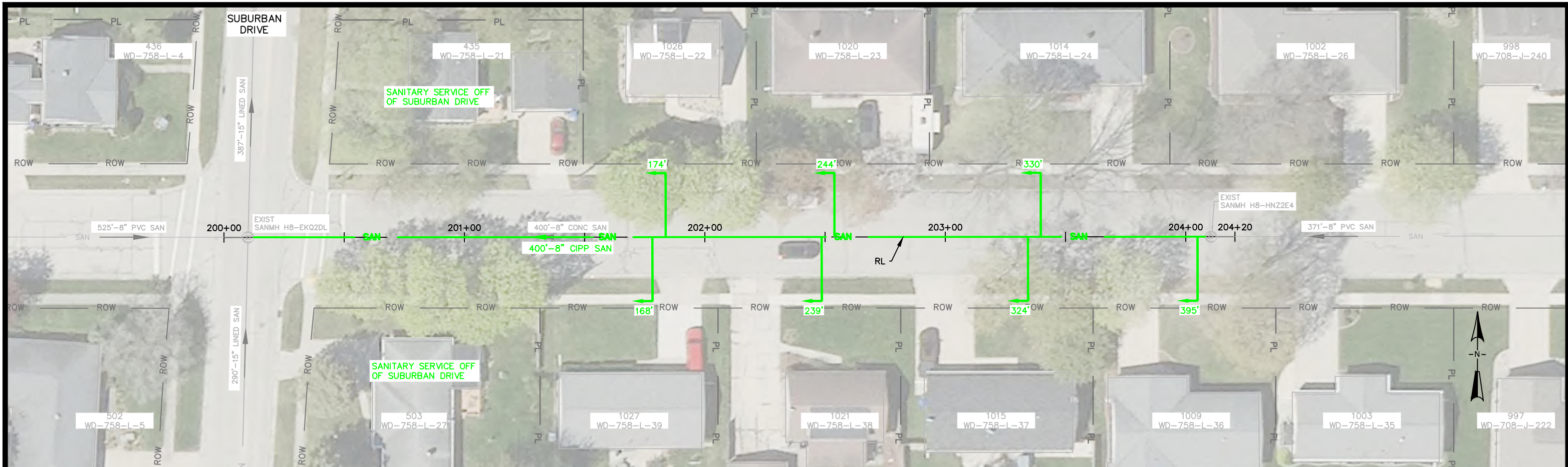
NOTES:  
1. RECONNECT ALL ACTIVE LATERALS..



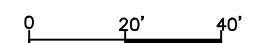
**CITY OF DE PERE**  
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
OFFICE 920-339-4061 FAX 920-339-4071

**EASEMENT -MORRIS/ RIDGEWAY**  
**MICHIGAN ST TO SUPERIOR ST**

NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C105</b>
PROJECT: 25-03	DRAWN: MAL	DESIGNED: MAL	NO.	DATE	
	CHECKED: EPR		BY	REMARKS	

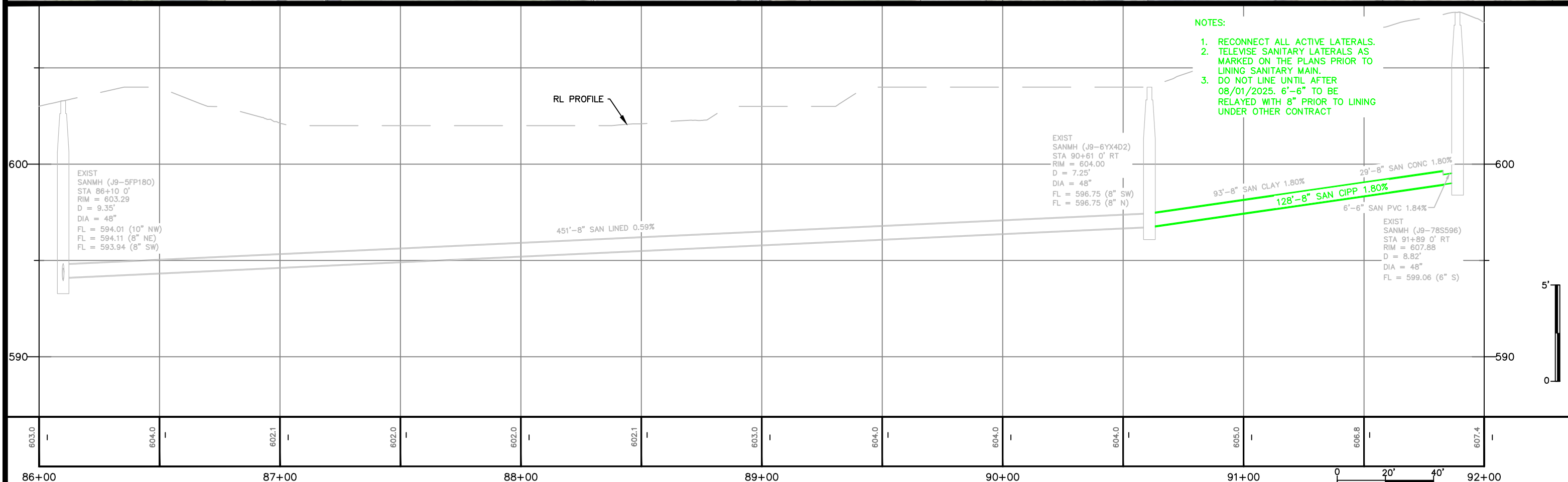
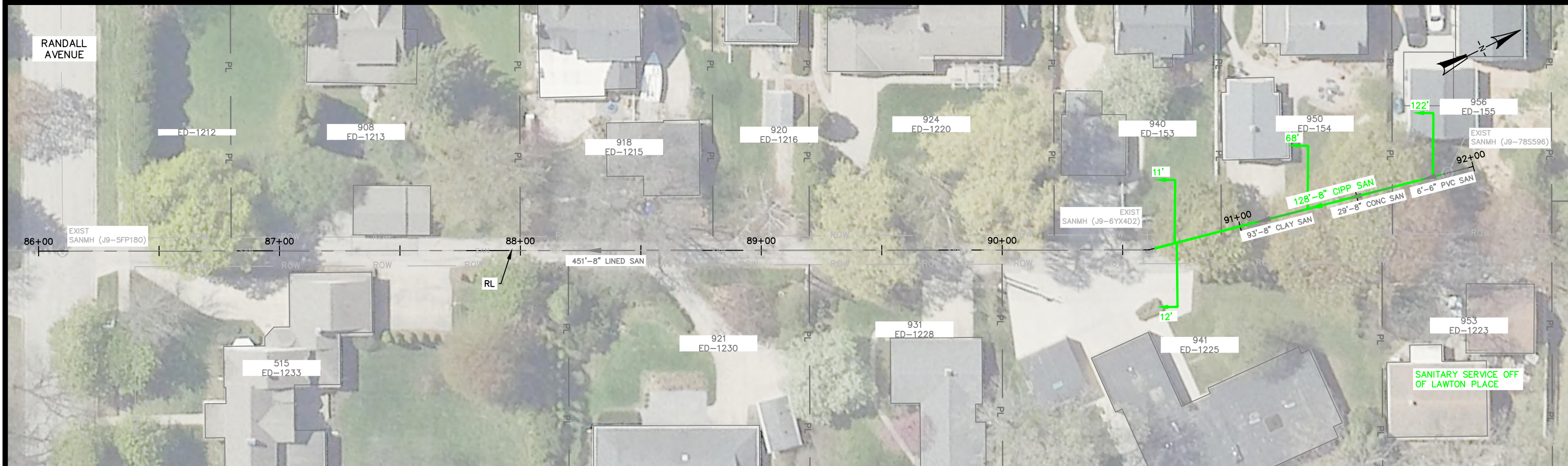


**NOTES:**  
 1. RECONNECT ALL ACTIVE LATERALS.



<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>ALDRIN STREET</b> SUBURBAN DR TO 500' E/O SUBURBAN DR	NAME: SEWER LINING	BY: MAL DATE: 01-2025	REVISIONS / ISSUES <table border="1"> <thead> <tr> <th>NO.</th> <th>DATE</th> <th>BY</th> <th>REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	NO.	DATE	BY	REMARKS					PAGE NO. <b>C106</b>
		NO.	DATE		BY	REMARKS							
PROJECT: 25-03	CHECKED: EPR DATE: 01-2025												

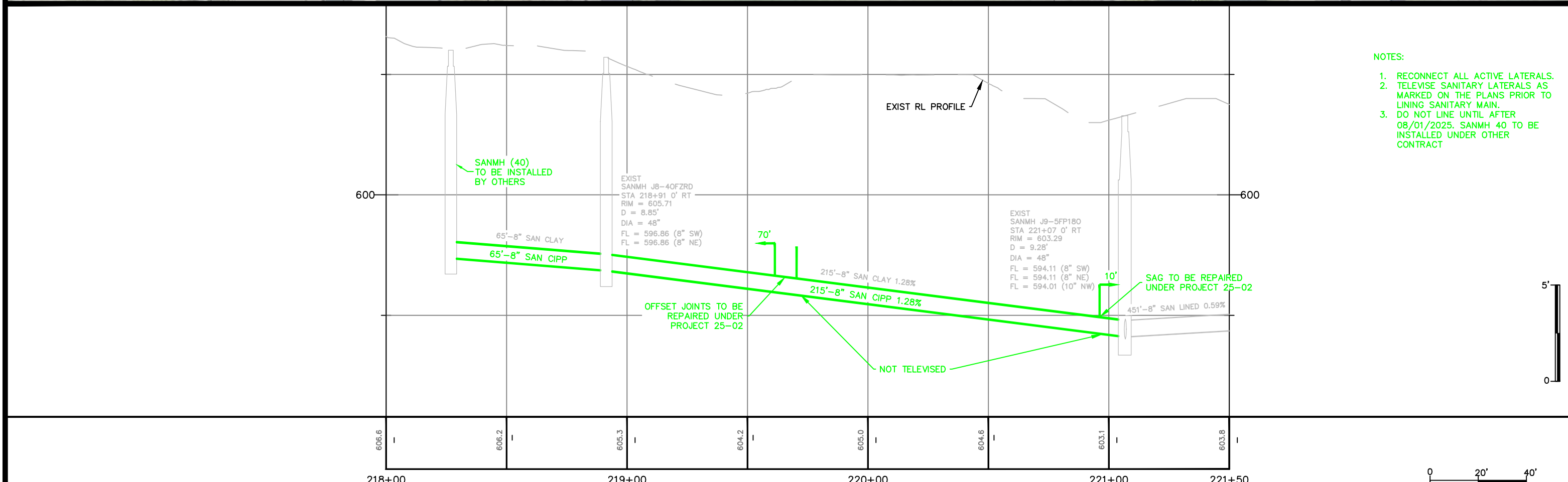
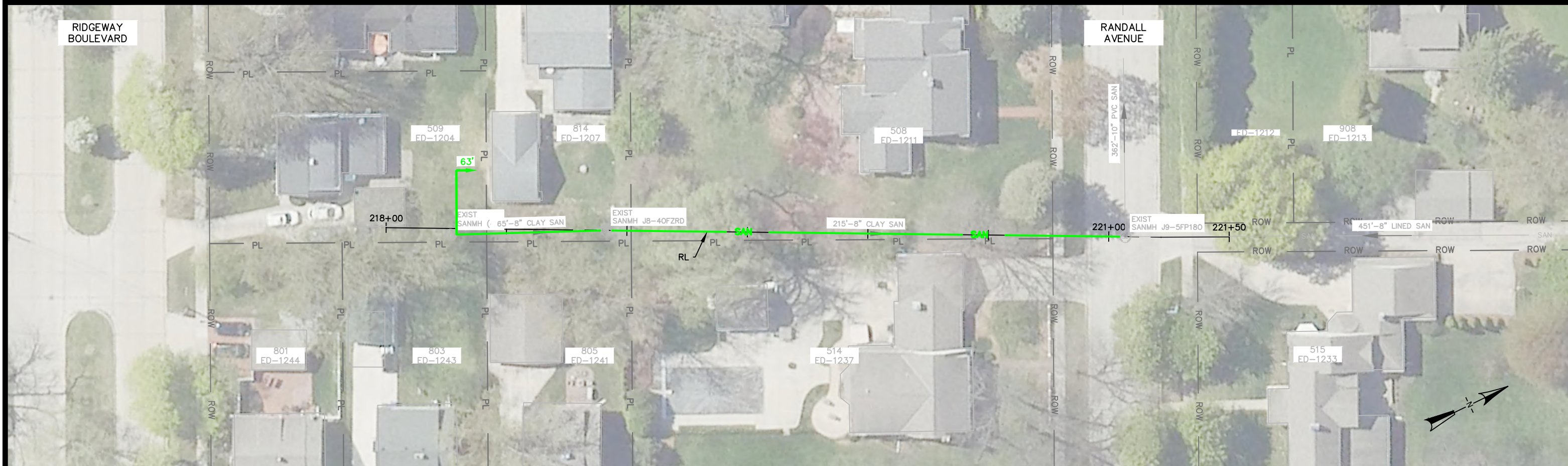
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- NOTES:**
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEWISE SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.
  3. DO NOT LINE UNTIL AFTER 08/01/2025. 6'-6" TO BE RELAYED WITH 8" PRIOR TO LINING UNDER OTHER CONTRACT

<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>ALLEY - OAKDALE/LAWTON</b> <b>RANDALL AVE TO TERMINI</b>	NAME: SEWER LINING		BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C107</b>
		PROJECT: 25-03		DRAWN: MAL	DATE: 01-2025	NO.	DATE	
				CHECKED: EPR	DATE: 01-2025			

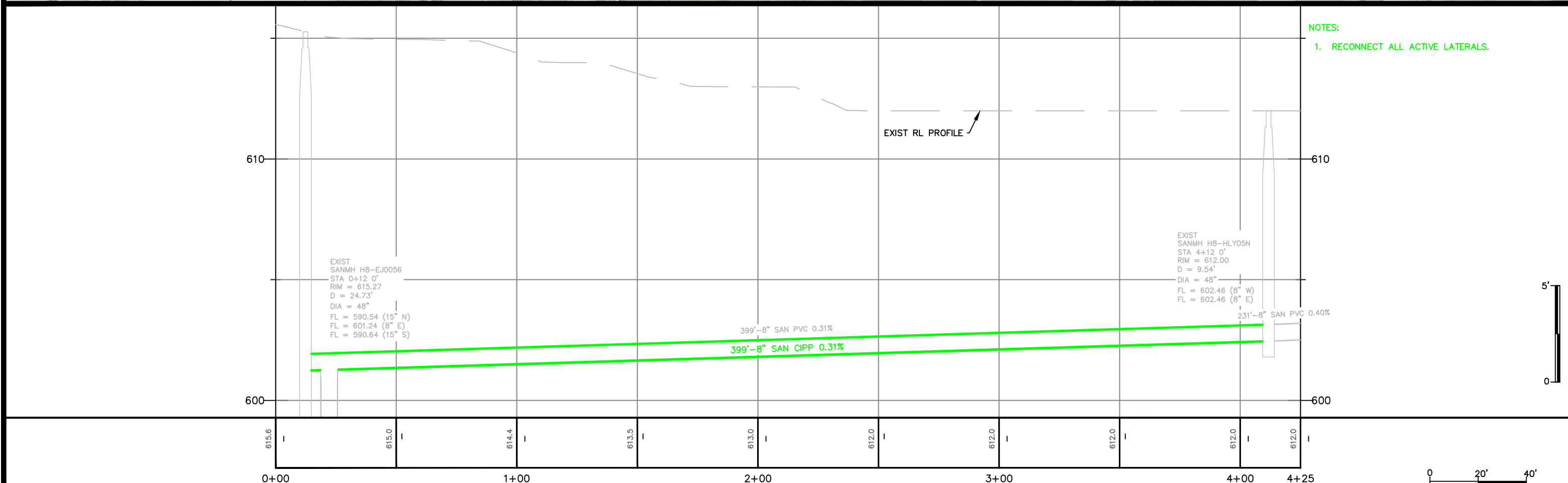
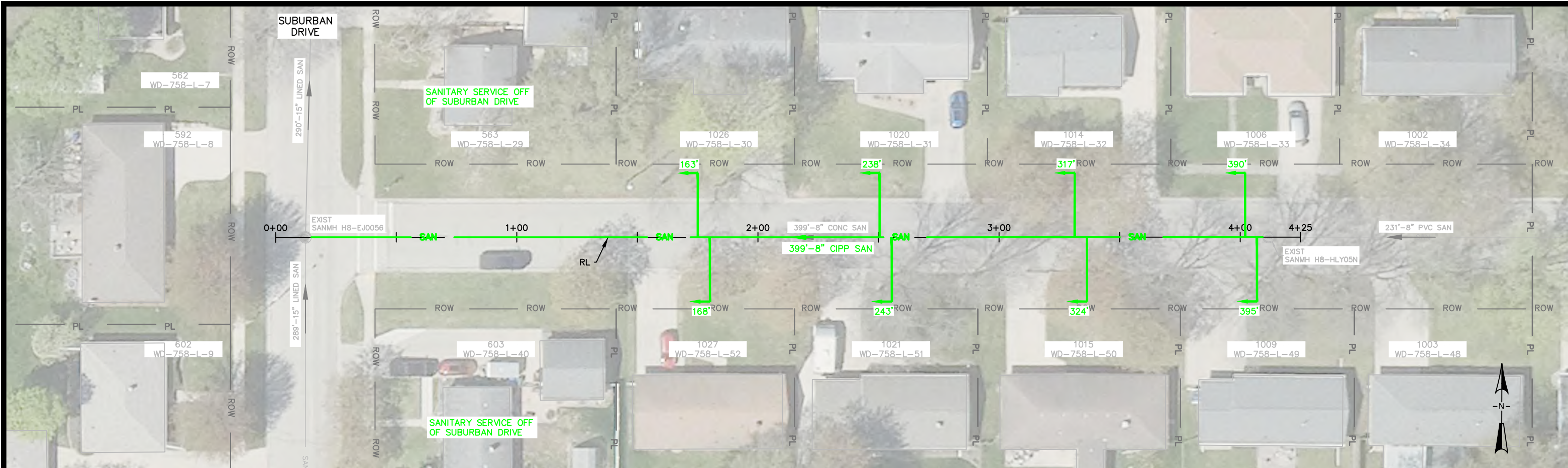




- NOTES:**
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEWISE SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.
  3. DO NOT LINE UNTIL AFTER 08/01/2025. SANMH 40 TO BE INSTALLED UNDER OTHER CONTRACT

<b>CITY OF DE PERE</b>		<b>EASEMENT - OAKDALE/LAWTON</b>		NAME: SEWER LINING		BY: MAL		DATE: 01-2025		REVISIONS / ISSUES		PAGE NO.	
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115		RIDGEWAY BLVD TO RANDALL AVE		PROJECT 25-03		DESIGNED: MAL		DATE: 01-2025		NO.		DATE	
OFFICE 920-339-4061 FAX 920-339-4071						CHECKED: EPR		DATE: 01-2025		BY		REMARKS	
												<b>C108</b>	

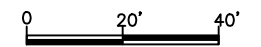
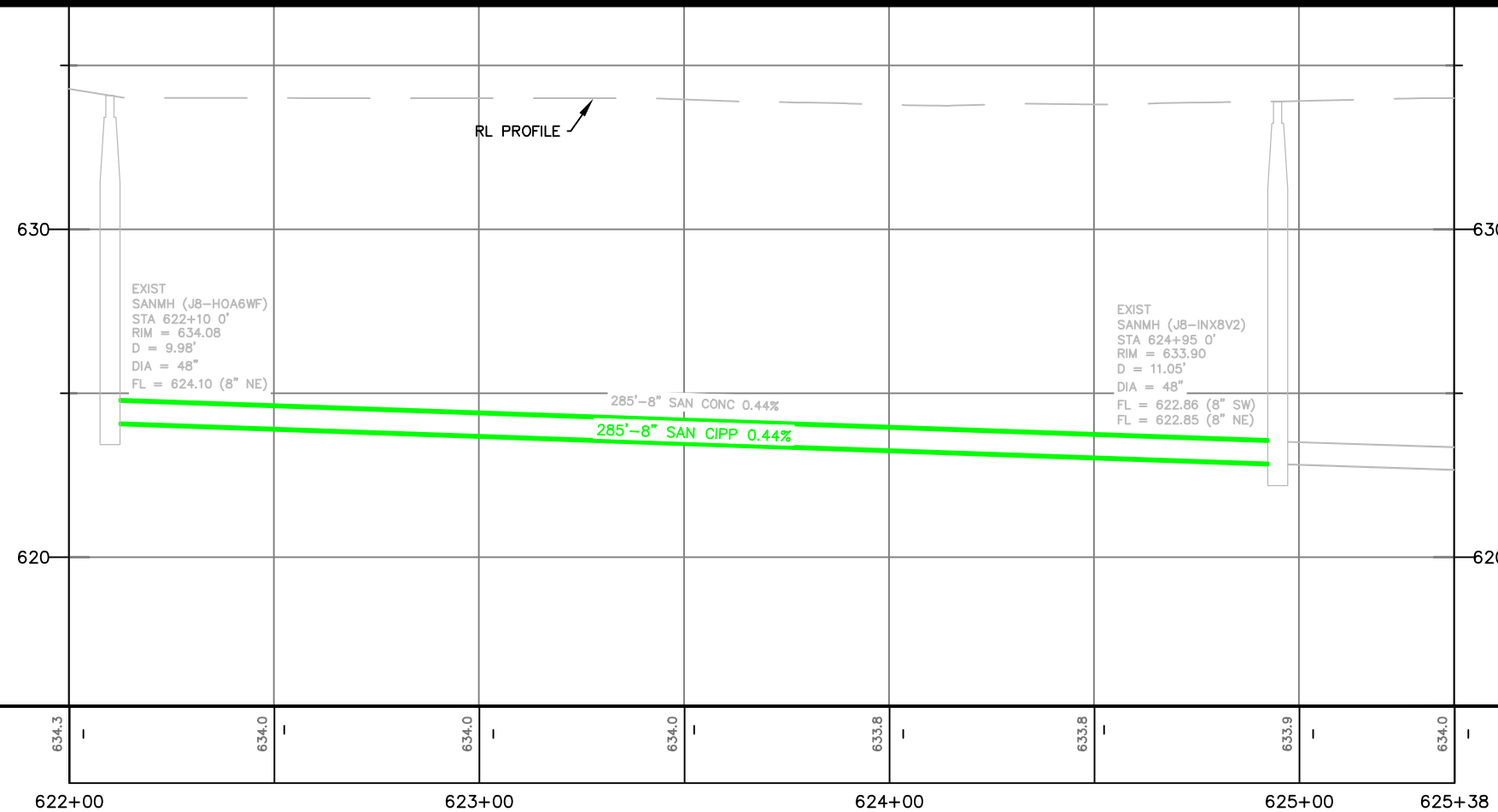
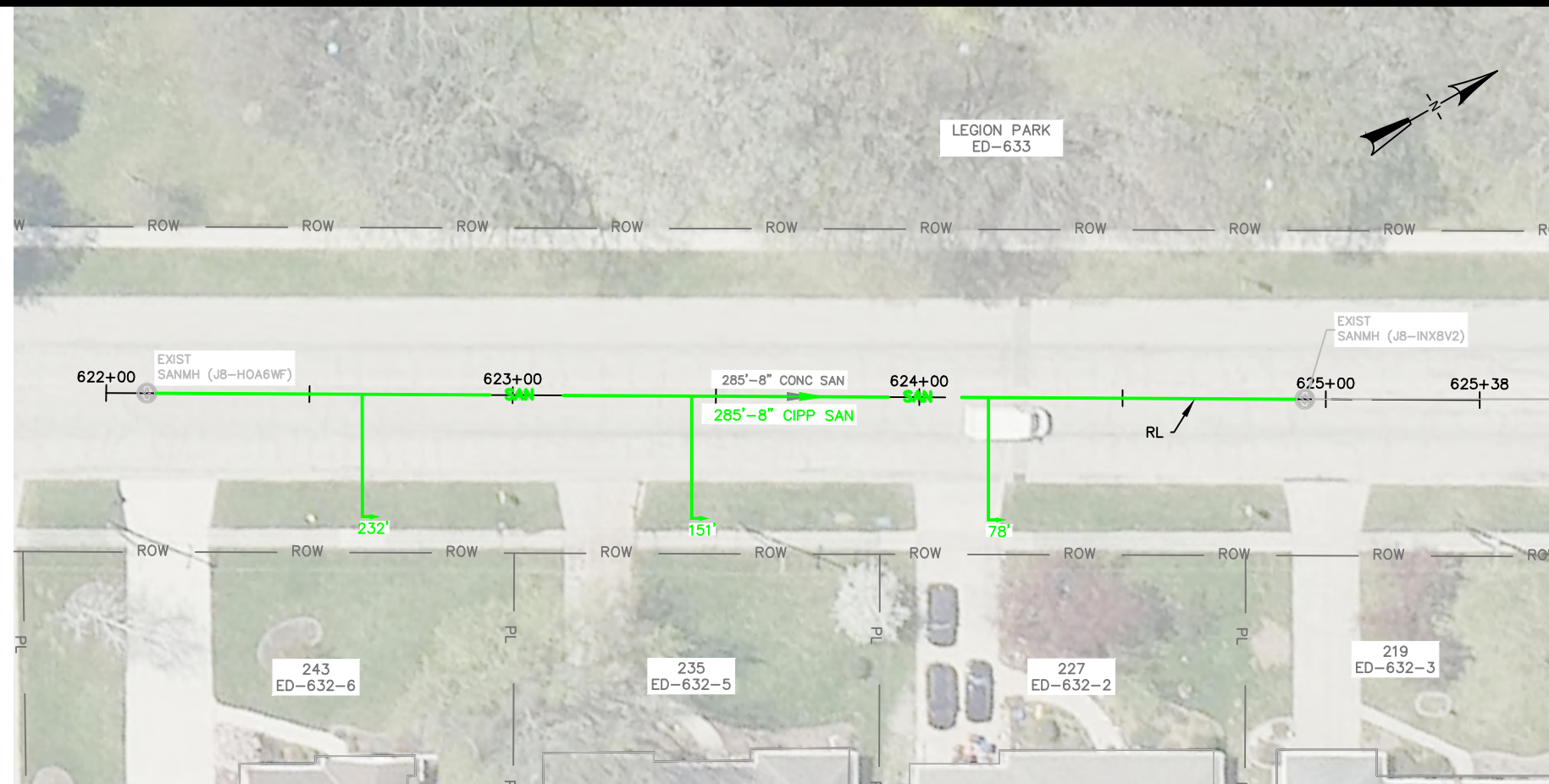
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NOTES:  
1. RECONNECT ALL ACTIVE LATERALS.

<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>ST ANTHONY DRIVE</b> SUBURBAN DR TO 500' E/O SUBURBAN DR	NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C109</b>
		PROJECT: 25-03	DRAWN: MAL	DESIGNED: MAL	CHECKED: EPR	NO.	

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**CITY OF DE PERE**  
 ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
 OFFICE 920-339-4061 FAX 920-339-4071

**WEBSTER AVENUE**  
 590' N/O CHICAGO ST TO 285' S/O N CHARLES ST

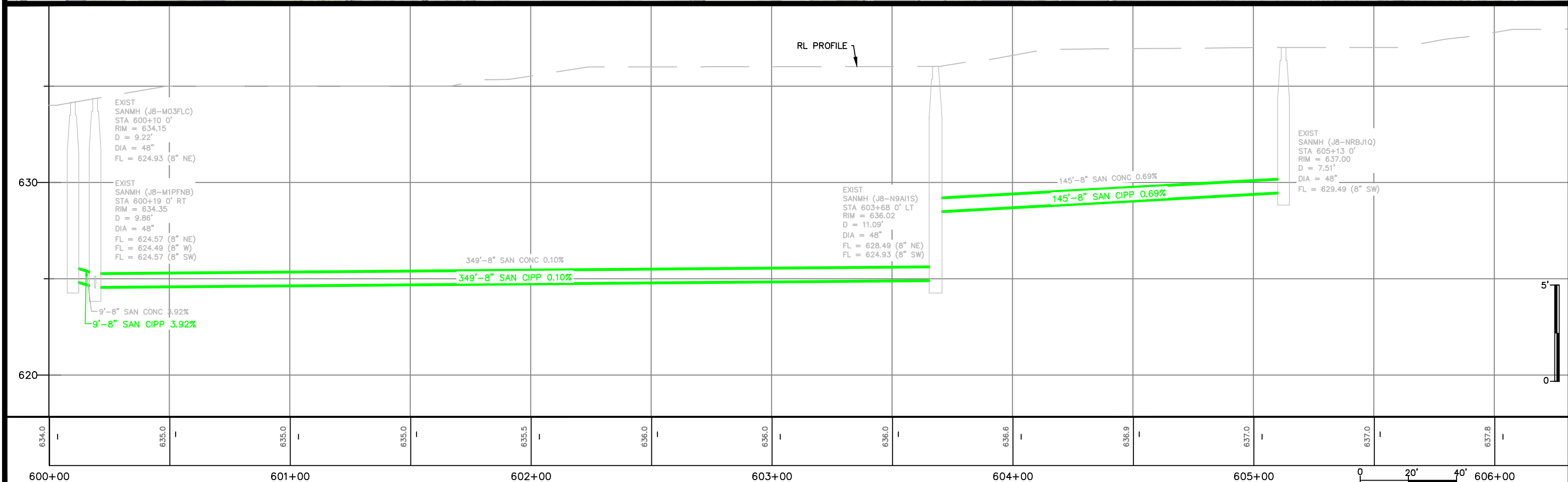
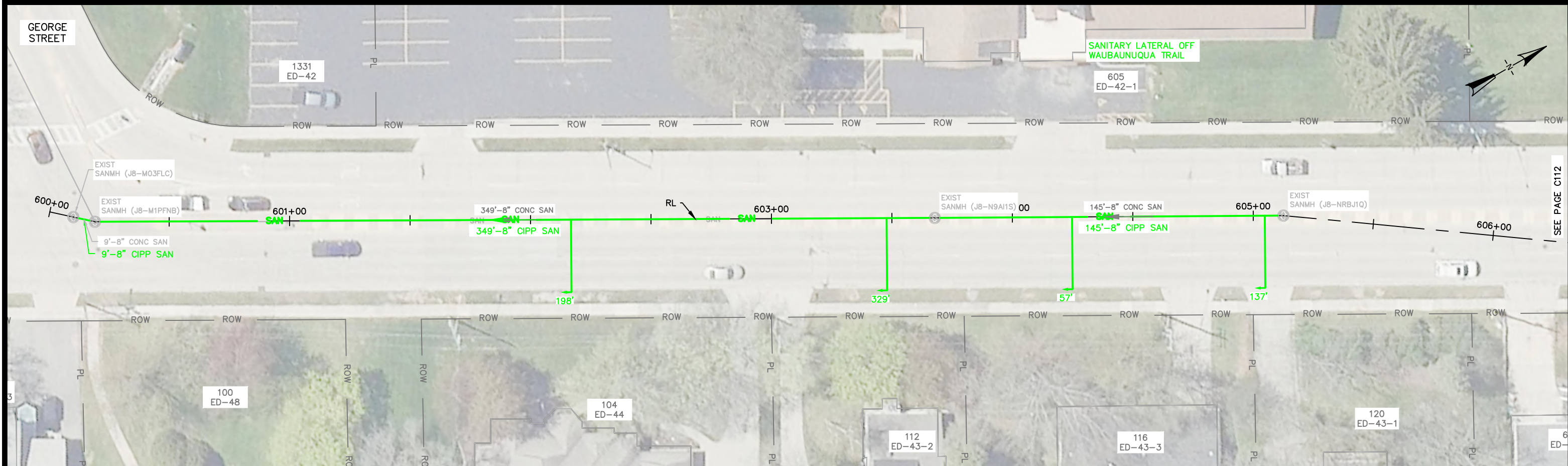
NAME: SEWER LINING  
 PROJECT 25-03

BY	DATE
KAD	01-2025
KAD	01-2025
EPR	01-2025

REVISIONS / ISSUES			
NO.	DATE	BY	REMARKS

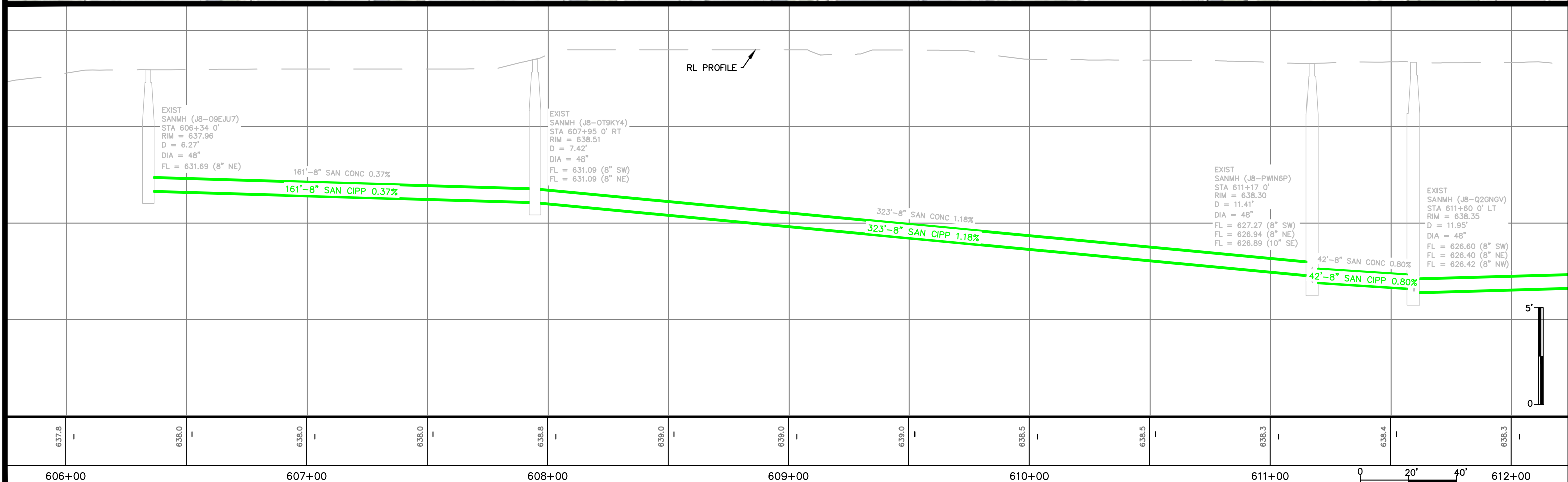
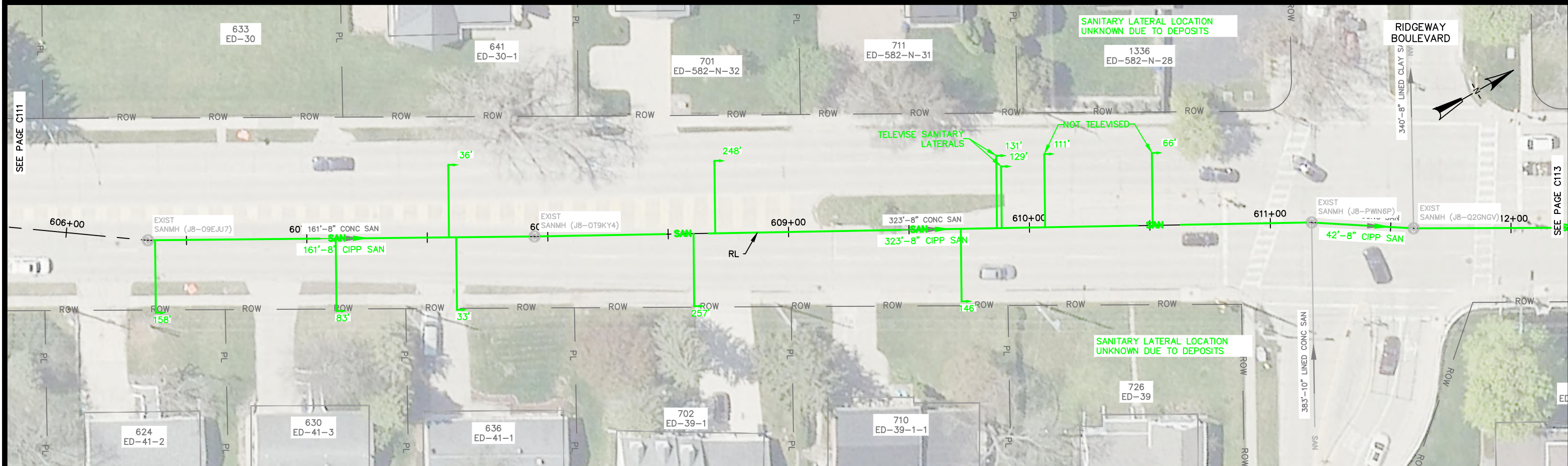
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**C110**

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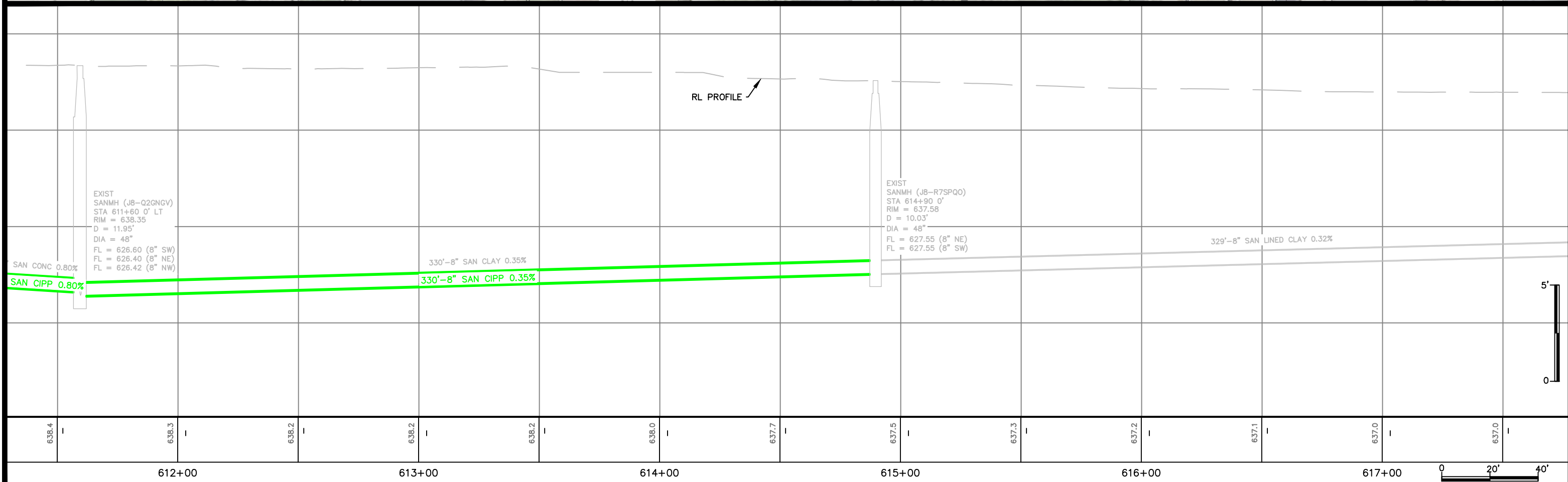
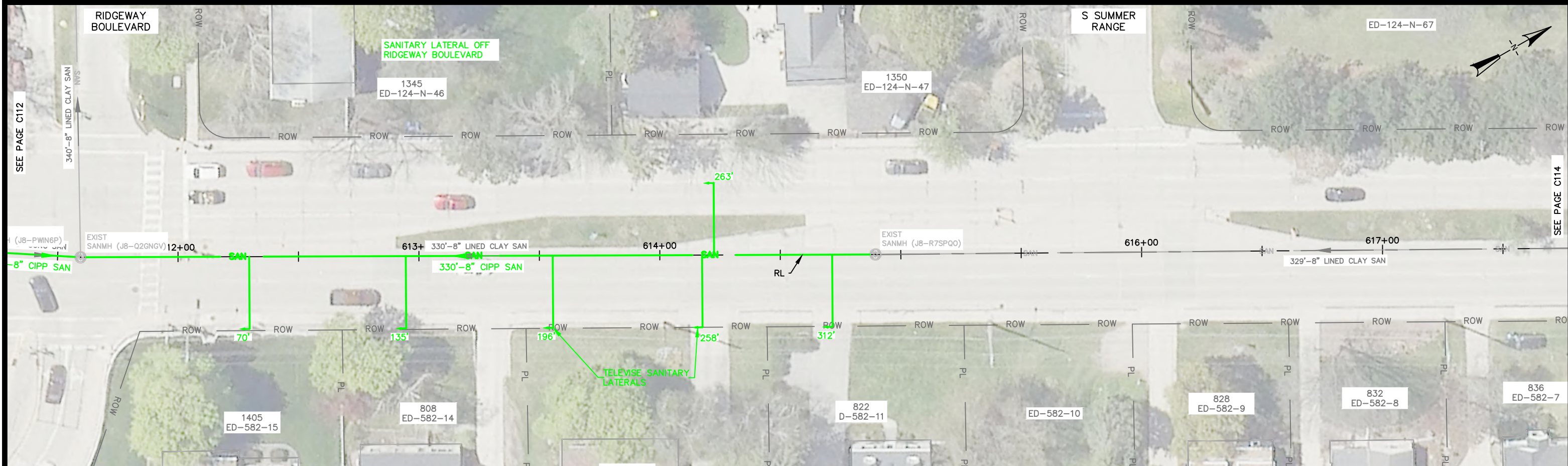
<b>CITY OF DE PERE</b>		<b>WEBSTER AVENUE</b>		NAME: SEWER LINING		BY: KAD		DATE: 01-2025		REVISIONS / ISSUES		PAGE NO. <b>C111</b>	
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071		GEORGE STREET TO 600' N/O GEORGE STREET		PROJECT: 25-03		DRAWN: KAD		DATE: 01-2025					

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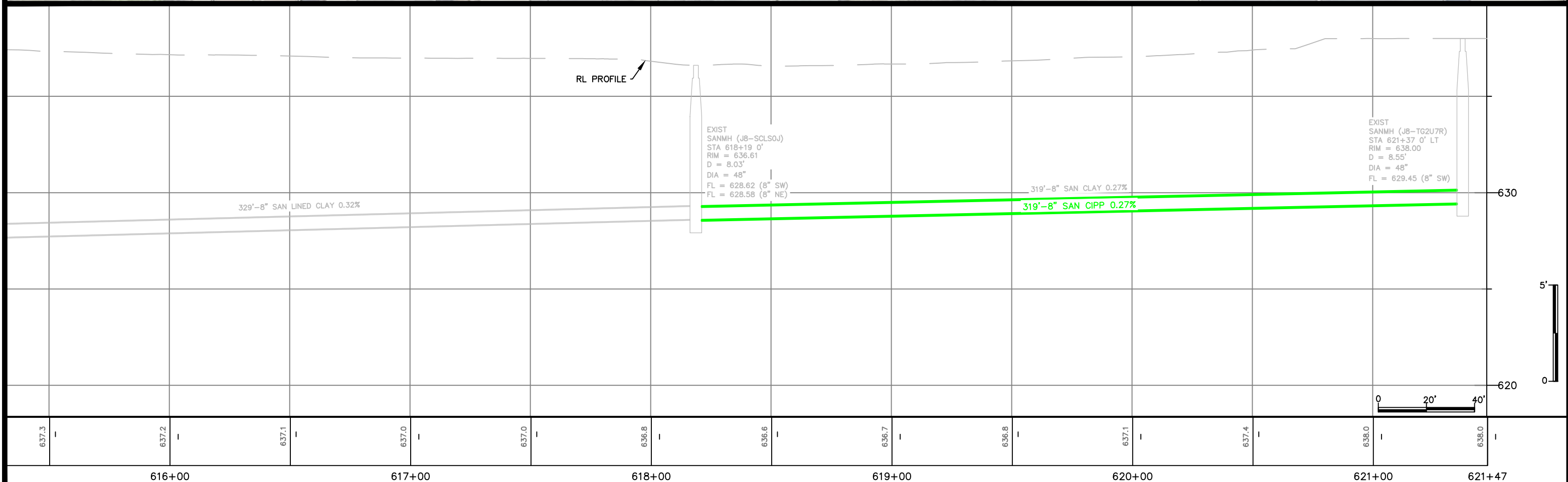
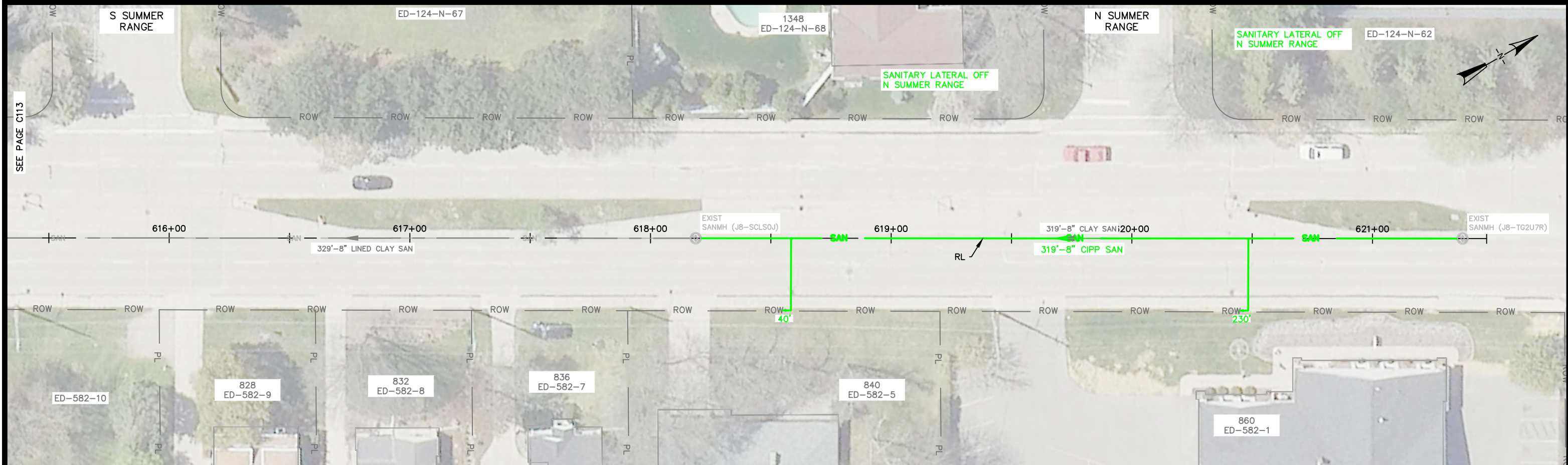
<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071		<b>WEBSTER AVENUE</b> <b>600' N/O GEORGE ST TO RIDGEWAY BOULEVARD</b>		NAME: SEWER LINING	BY KAD	DATE 01-2025	REVISIONS / ISSUES		PAGE NO.
PROJECT 25-03				SURVEYED KAD	NO.	DATE	BY	REMARKS	<b>C112</b>
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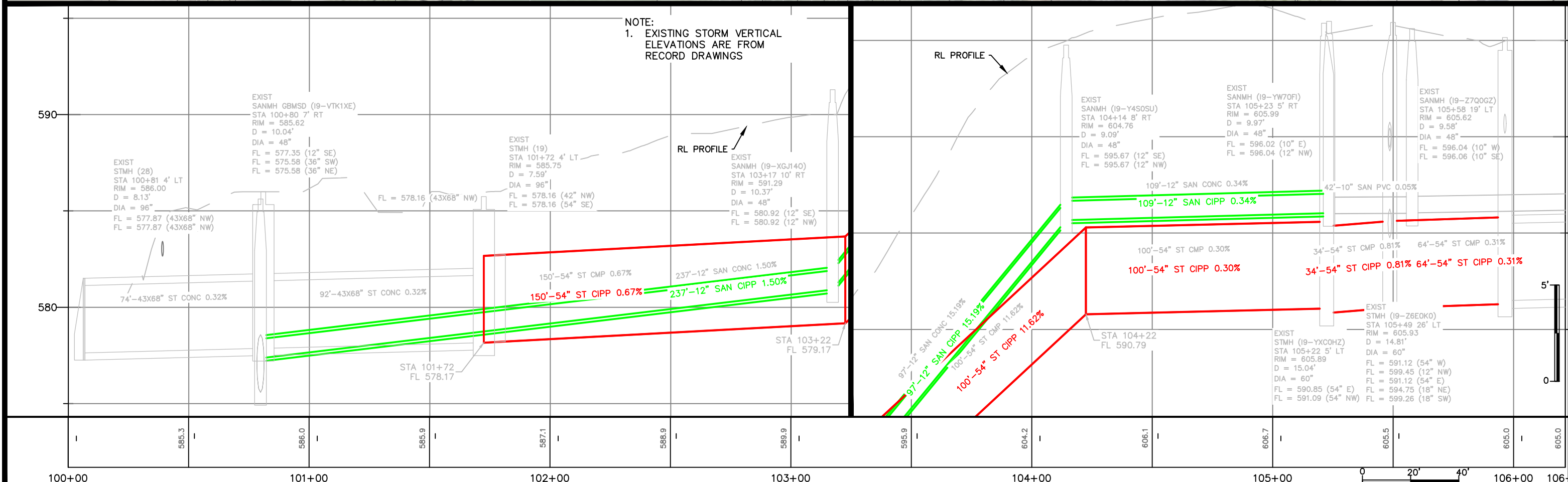
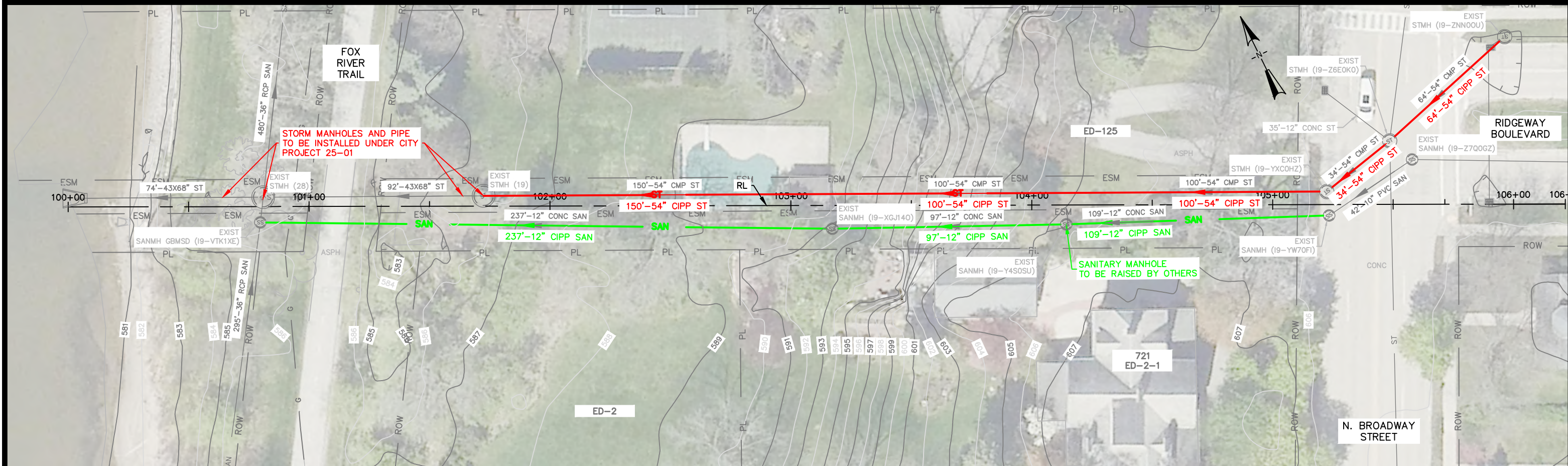
<b>CITY OF DE PERE</b>		<b>WEBSTER AVENUE</b>		NAME: SEWER LINING		BY		DATE		REVISIONS / ISSUES		PAGE NO.	
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115		RIDGEWAY BOULEVARD TO S SUMMER RANGE		PROJECT 25-03		KAD		01-2025		NO.		DATE	
OFFICE 920-339-4061 FAX 920-339-4071						KAD		01-2025		BY		REMARKS	
						EPR		01-2025				<b>C113</b>	

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<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>WEBSTER AVENUE</b> <u>S SUMMER RANGE TO 150' N/O N SUMMER RANGE</u>	NAME: SEWER LINING PROJECT 25-03	BY KAD KAD EPR	DATE 01-2025 01-2025 01-2025	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REVISIONS / ISSUES</th> </tr> <tr> <th>NO.</th> <th>DATE</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REVISIONS / ISSUES		NO.	DATE							<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th colspan="2">REMARKS</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	REMARKS								PAGE NO. <b>C114</b>
REVISIONS / ISSUES																									
NO.	DATE																								
REMARKS																									

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NOTE:  
1. EXISTING STORM VERTICAL ELEVATIONS ARE FROM RECORD DRAWINGS

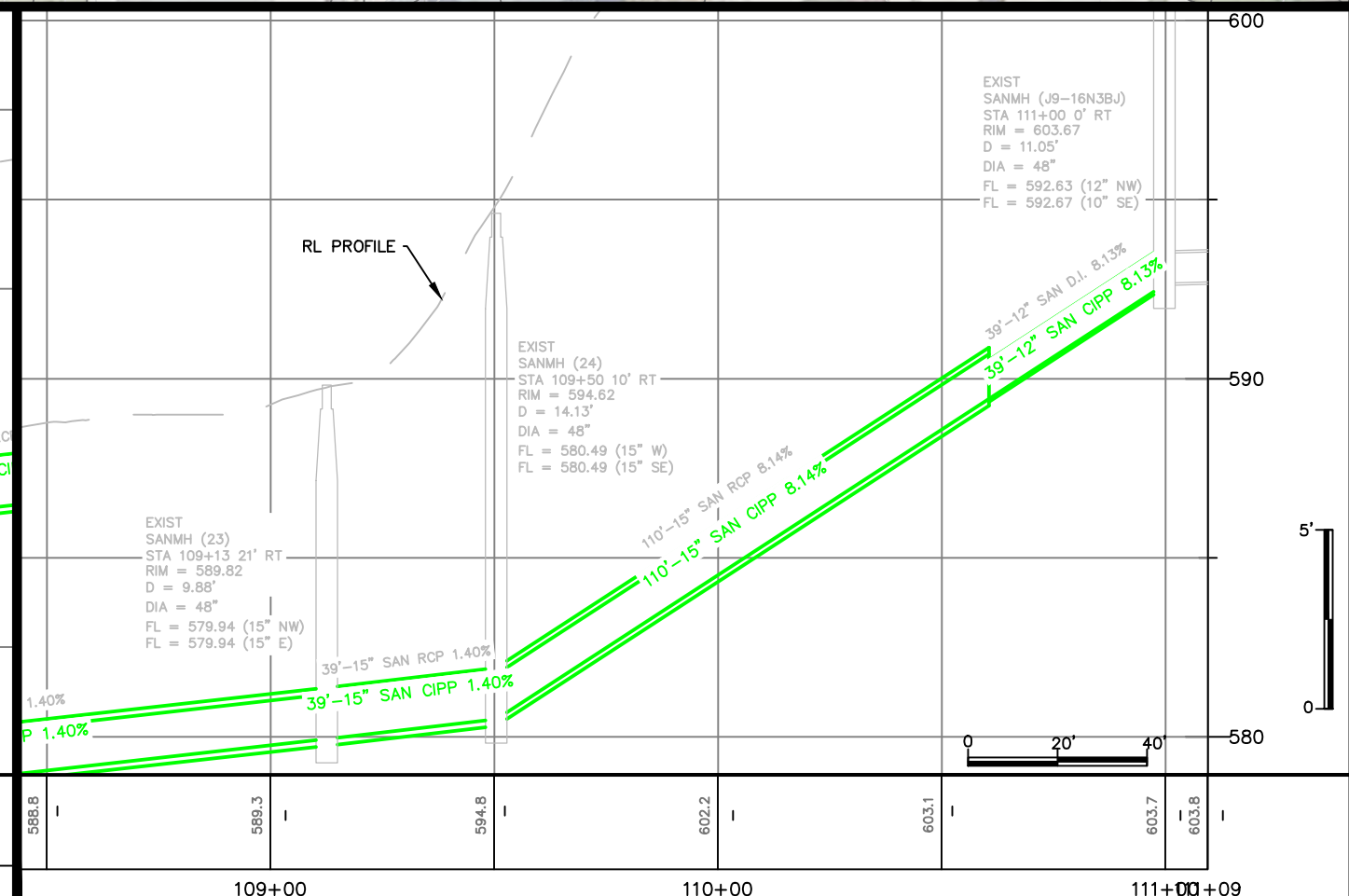
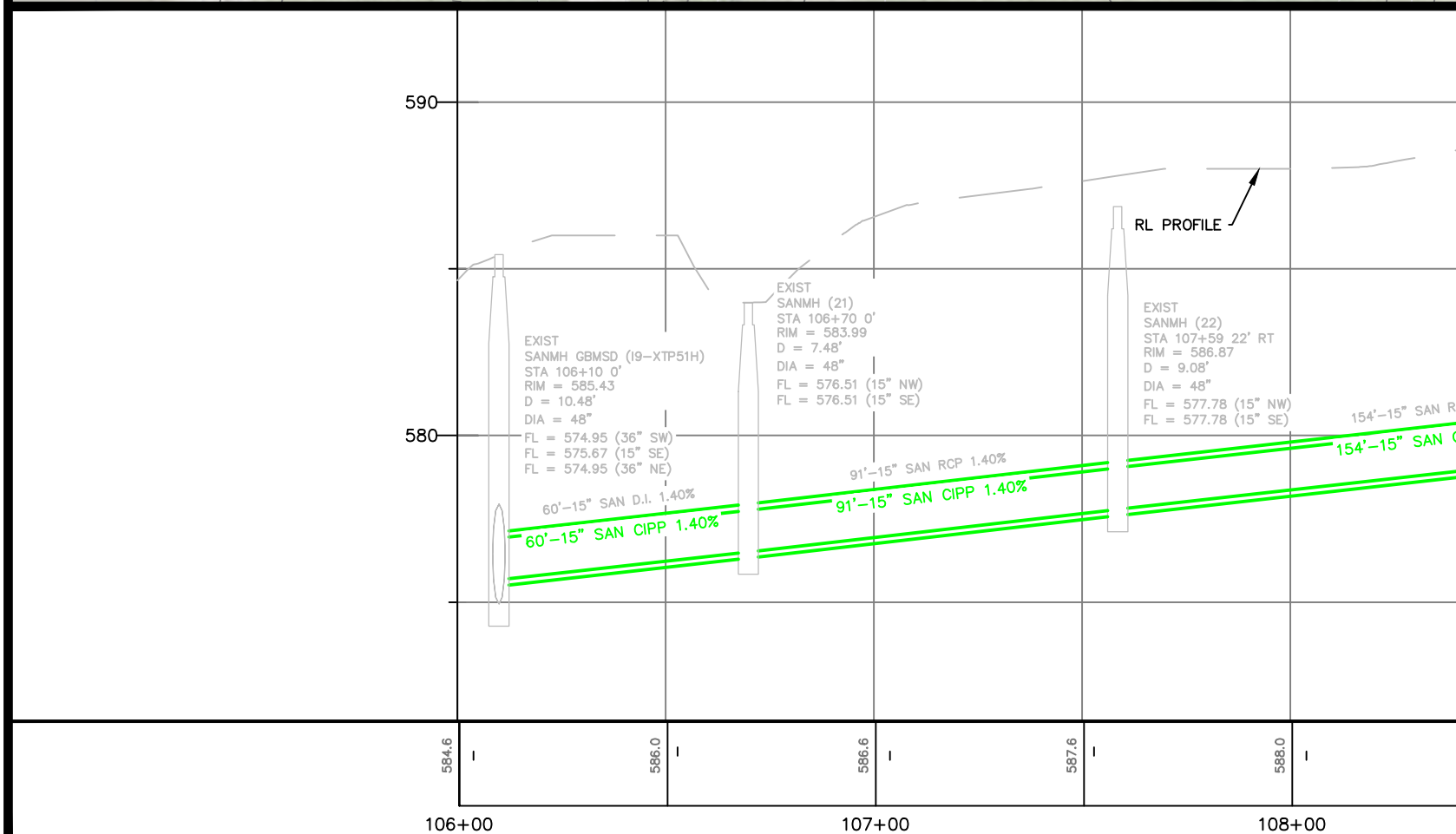
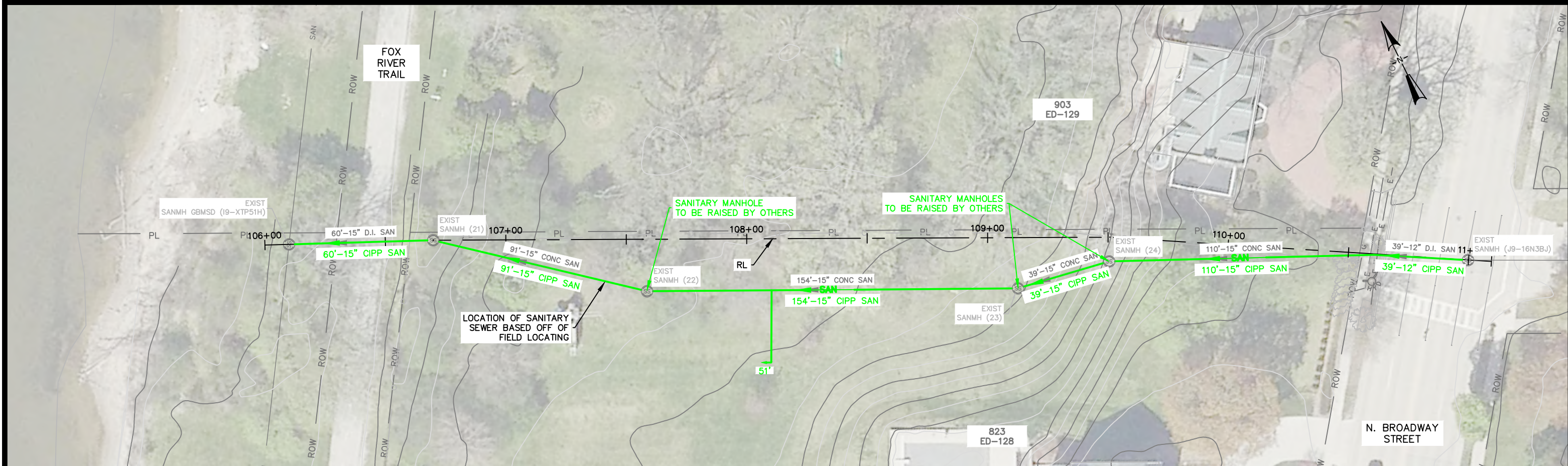
**CITY OF DE PERE**  
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
OFFICE 920-339-4061 FAX 920-339-4071

**807 NORTH BROADWAY ST**  
**FOX RIVER TO N. BROADWAY ST**

NAME: SEWER LINING	BY KAD	DATE 07-2024	REVISIONS / ISSUES	PAGE NO. <b>C115</b>
PROJECT 25-03	DRAWN KAD	DATE 01-2025		
	DESIGNED KAD	DATE 01-2025		
	CHECKED EPR	DATE 01-2025		

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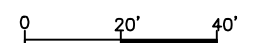
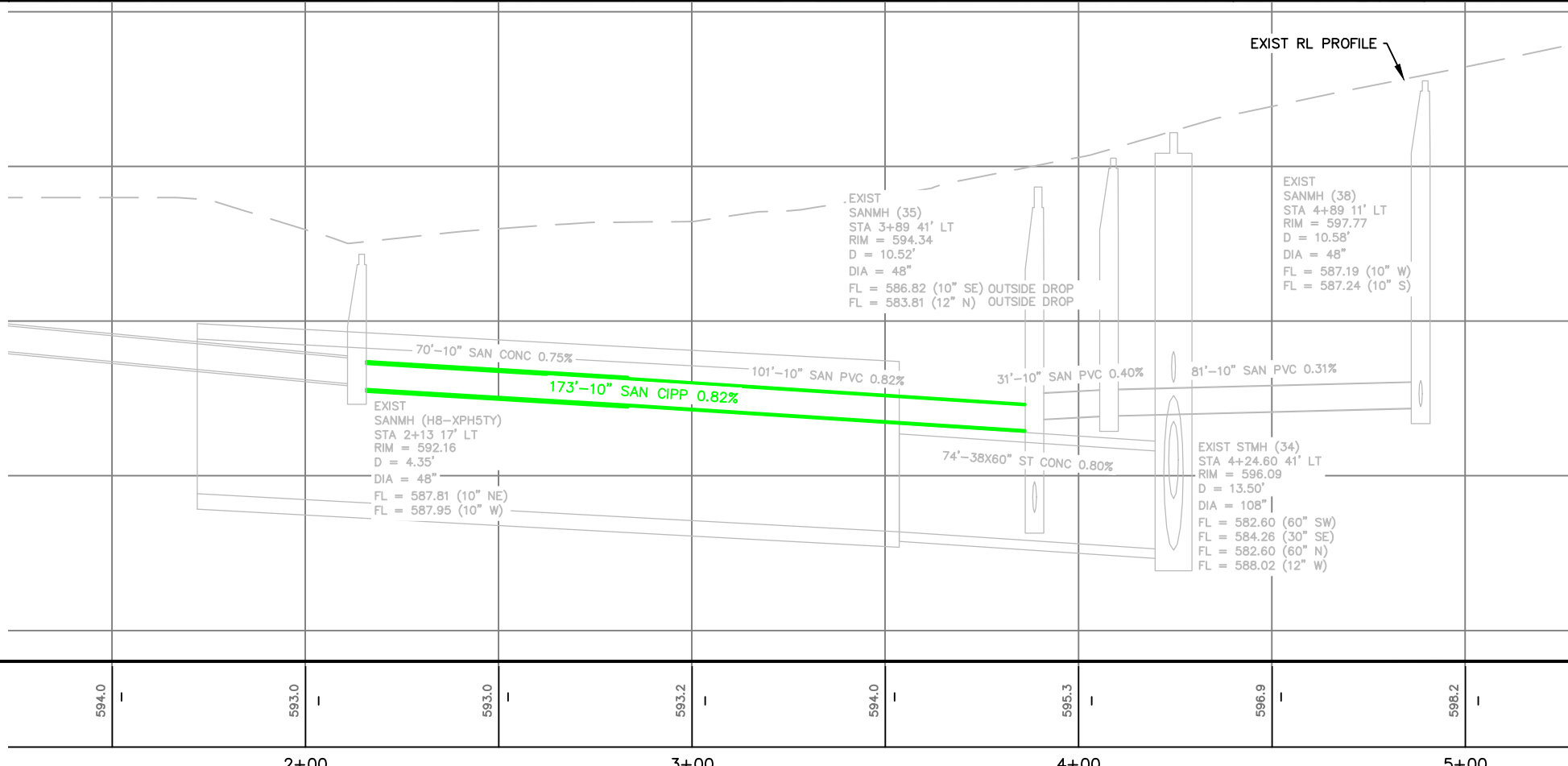
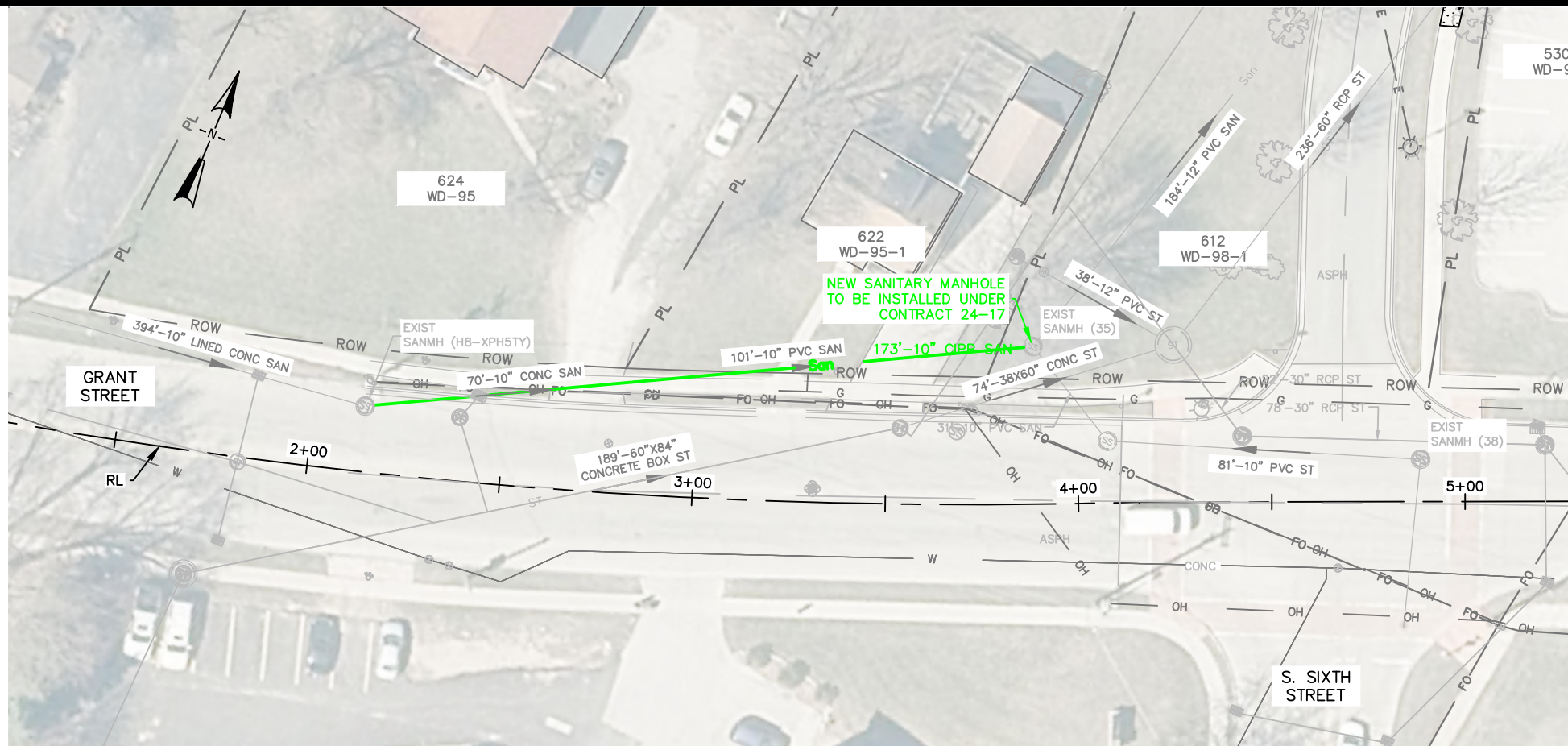


**CITY OF DE PERE**  
 ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
 OFFICE 920-339-4061 FAX 920-339-4071

**823 NORTH BROADWAY ST**  
 FOX RIVER TO N. BROADWAY ST

NAME: SEWER LINING		BY: KAD		DATE: 07-2024		NO.		REVISIONS / ISSUES		PAGE NO.	
PROJECT: 25-03		DRAWN: KAD		DATE: 01-2025				REMARKS		C116	
		DESIGNED: KAD		DATE: 01-2025							
		CHECKED: EPR		DATE: 01-2025							

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**CITY OF DE PERE**  
 ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115  
 OFFICE 920-339-4061 FAX 920-339-4071

**GRANT STREET**  
 300' W/O S SIXTH STREET TO S SIXTH STREET

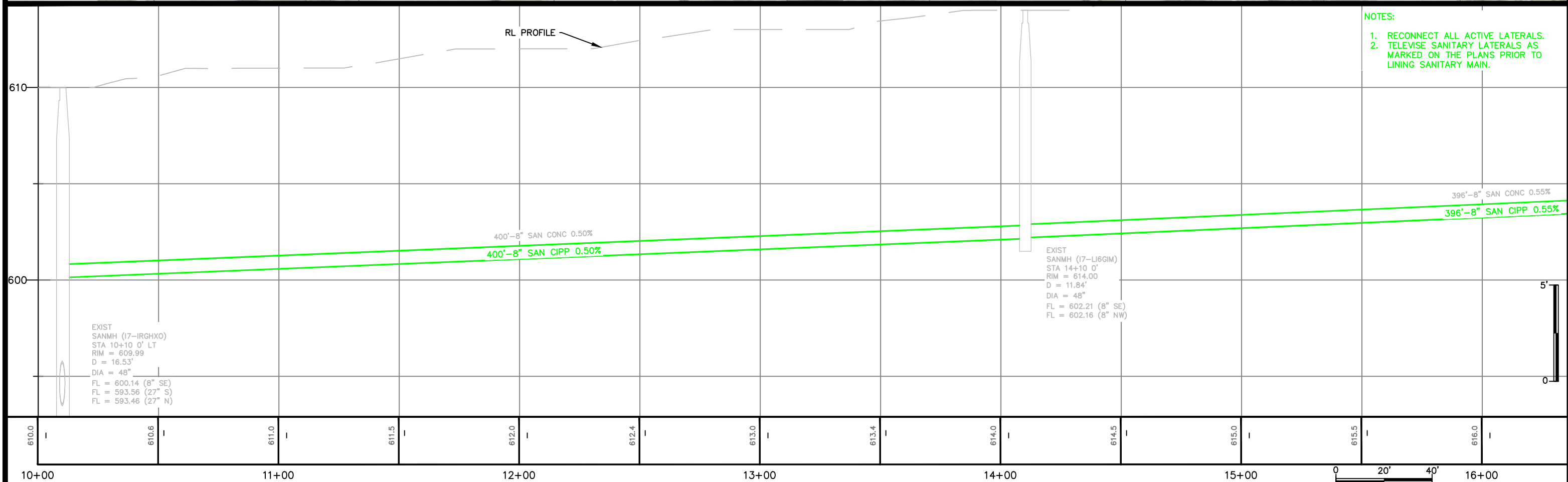
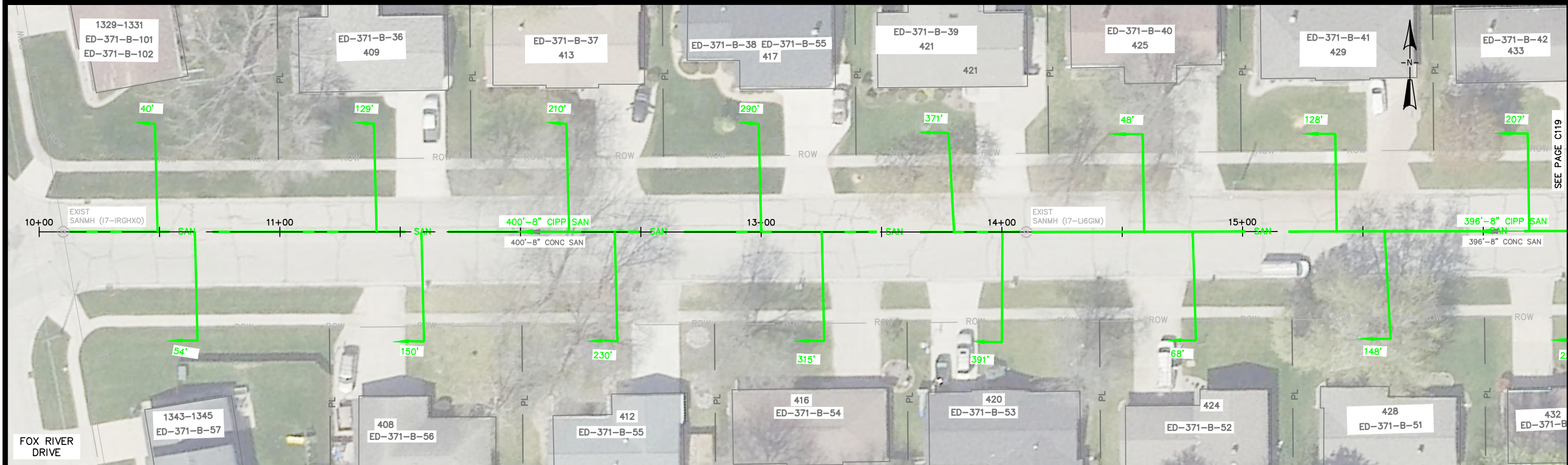
NAME: SEWER LINING  
 PROJECT # 25-03

BY: KAD  
 DATE: 01-2025  
 DESIGNED: KAD  
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REVISIONS / ISSUES		DATE	REMARKS
NO.	DATE		

PAGE NO. **C117**

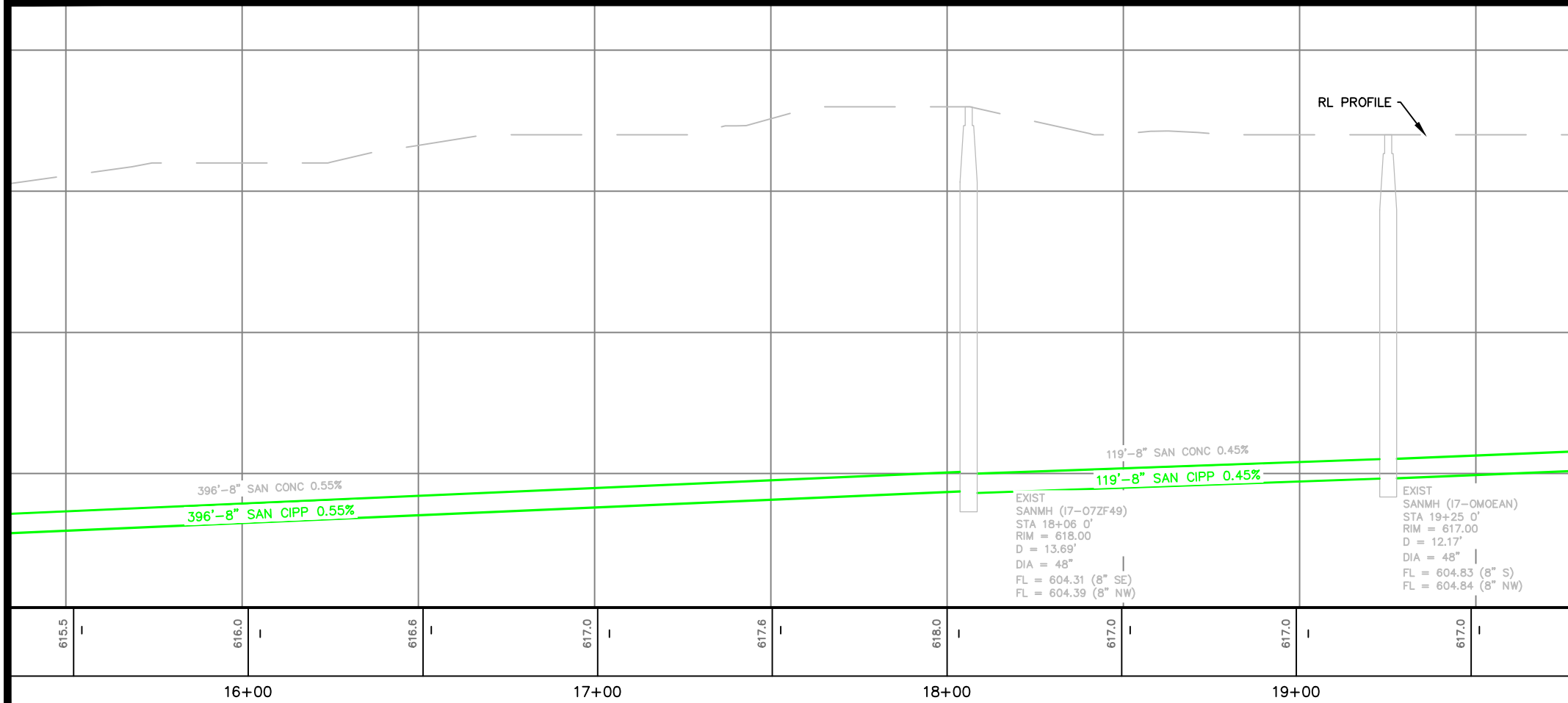
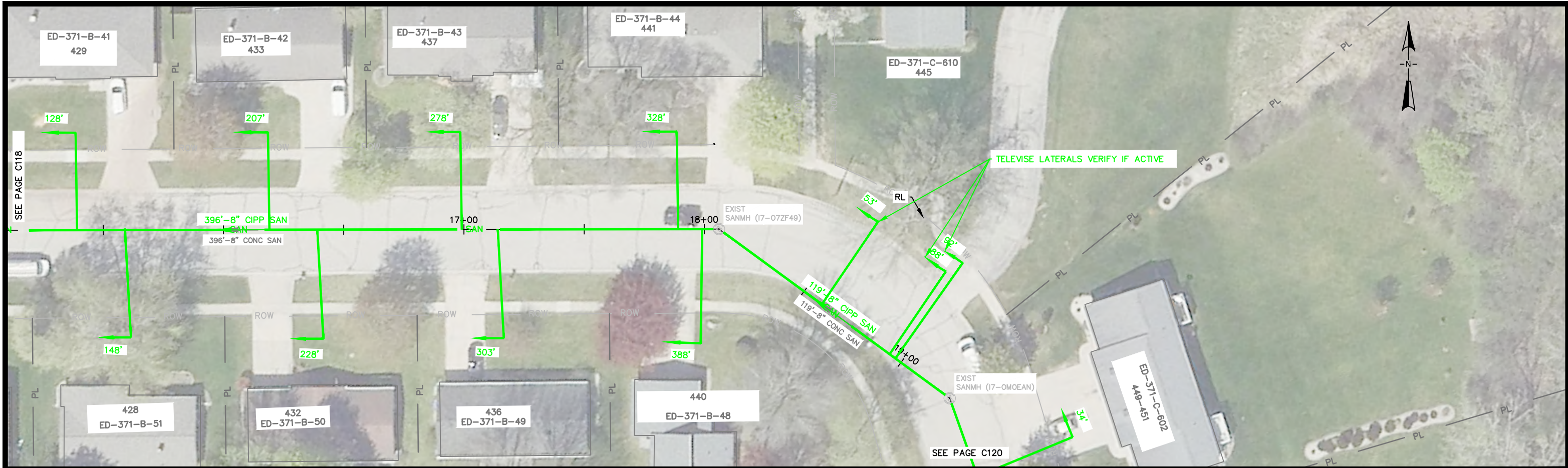
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- NOTES:
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEWISE SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.

<b>CITY OF DE PERE</b>		<b>GOOD HOPE ROAD</b>		NAME: SEWER LINING		BY: R.J.F.		DATE: 01-2025		REVISIONS / ISSUES		PAGE NO.	
ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115		FOX RIVER DR TO 600' E/O FOX RIVER DR		PROJECT # 25-03		DRAWN: R.J.F.		DATE: 01-2025		NO. DATE BY		REMARKS	
OFFICE 920-339-4061 FAX 920-339-4071						DESIGNED: R.J.F.		DATE: 01-2025					
						CHECKED: E.P.R.		DATE: 01-2025				<b>C118</b>	

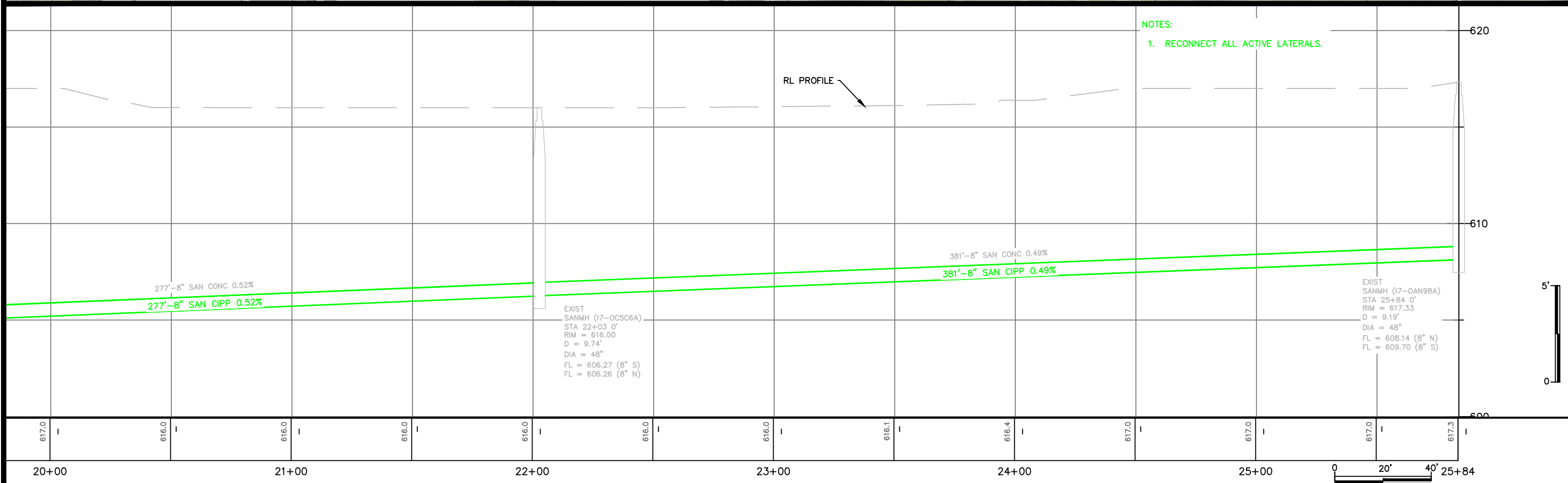
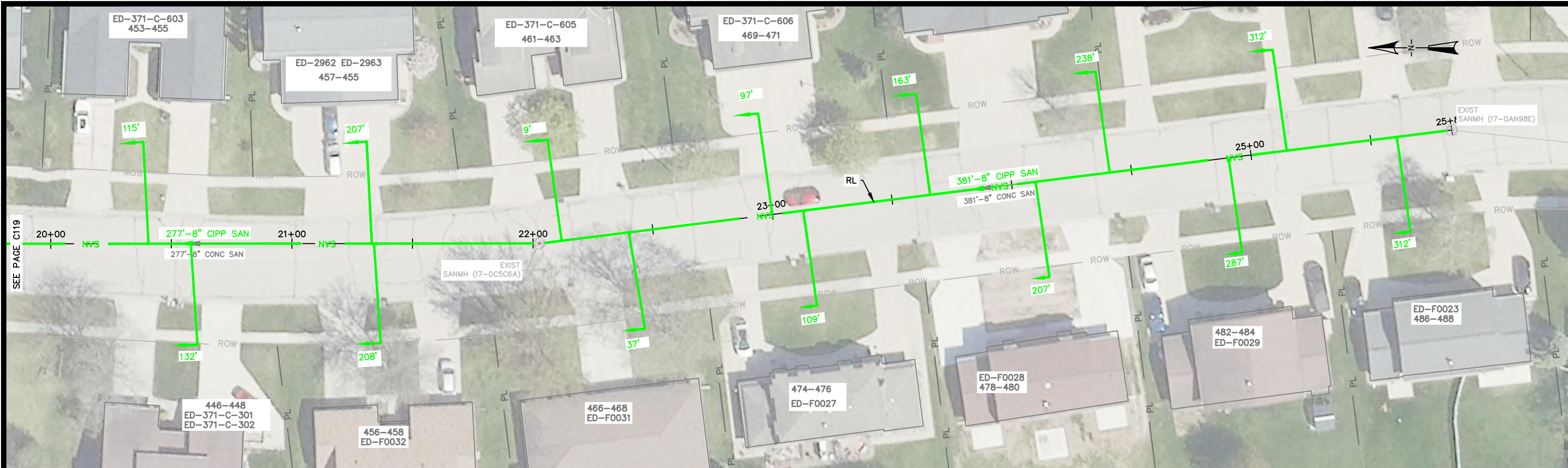
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- NOTES:
1. RECONNECT ALL ACTIVE LATERALS.
  2. TELEVISION SANITARY LATERALS AS MARKED ON THE PLANS PRIOR TO LINING SANITARY MAIN.

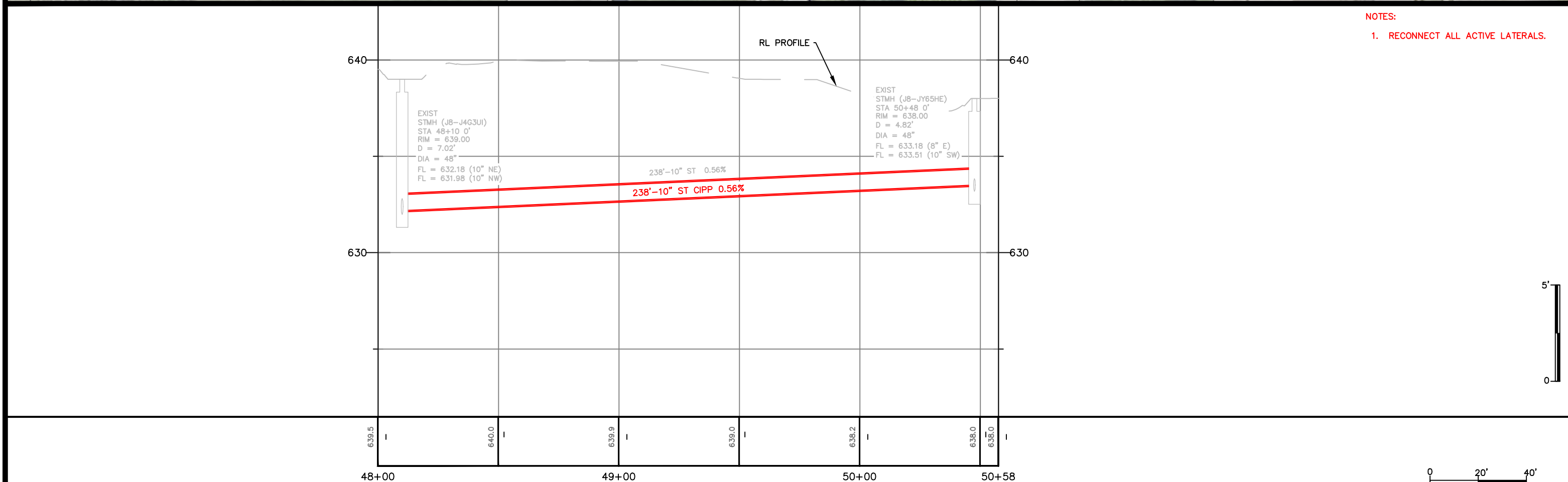
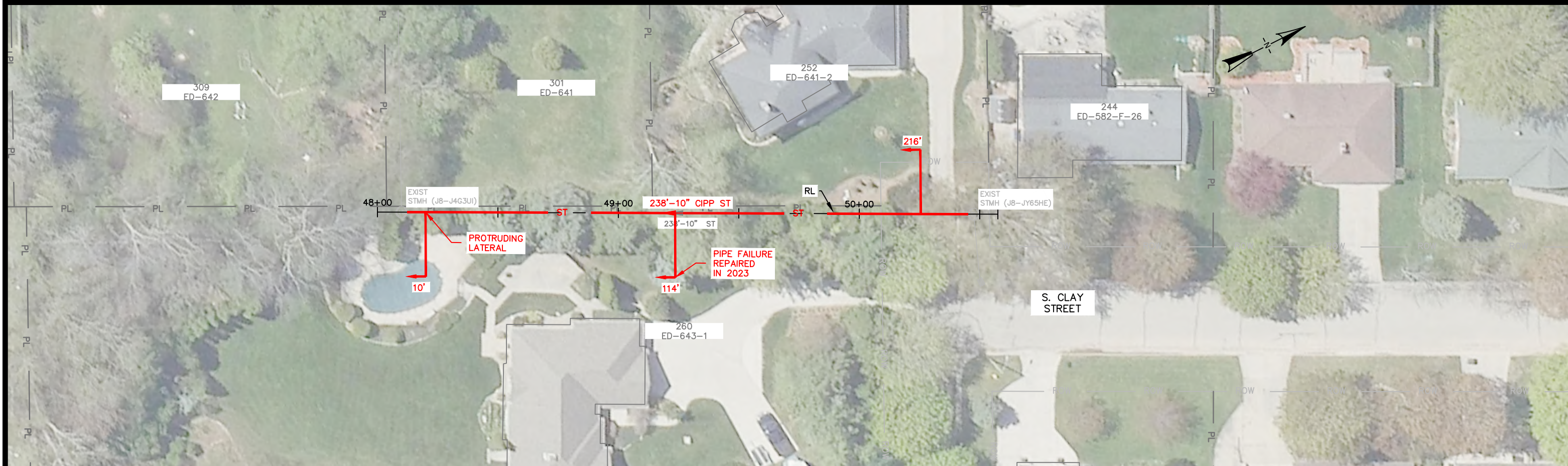
NO.	DATE	REVISIONS / ISSUES	
		BY	REMARKS
SURVEYED			
DRAWN	RJF	01-2025	
DESIGNED	RJF	01-2025	
CHECKED	EPR	01-2025	

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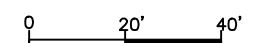


<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>GOOD HOPE ROAD</b> <b>900' E/O FOX RIVER DR to 1500' E/O</b> <b>FOX RIVER DR</b>	NAME: SEWER LINING	BY	DATE	REVISIONS / ISSUES		PAGE NO. <b>C120</b>
		PROJECT # 25-03	SURVEYED	DATE	NO.	DATE	
			R.J.F.	01-2025			
			R.J.F.	01-2025			
			E.P.R.	01-2025			

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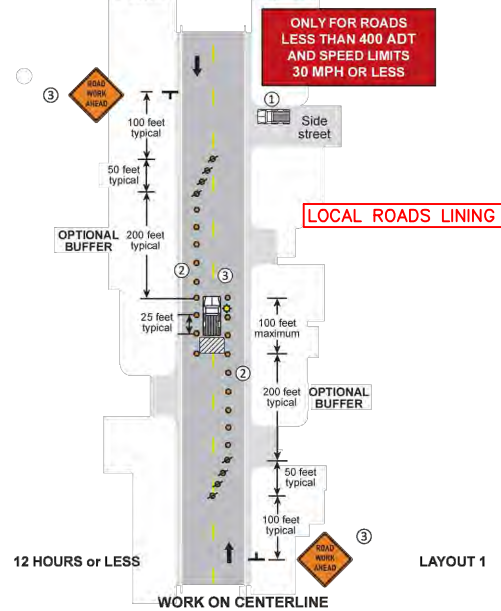
**NOTES:**  
 1. RECONNECT ALL ACTIVE LATERALS.



<b>CITY OF DE PERE</b> ENGINEERING DIVISION 925 S. SIXTH ST DE PERE WI 54115 OFFICE 920-339-4061 FAX 920-339-4071	<b>SOUTH CLAY STREET</b> 600' S/O CHARLES ST TO 850' S/O CHARLES ST	NAME: SEWER LINING	BY: MAL	DATE: 01-2025	REVISIONS / ISSUES		PAGE NO. <b>C121</b>
		PROJECT: 25-03	CHECKED: EPR	DATE: 01-2025	NO.	DATE	

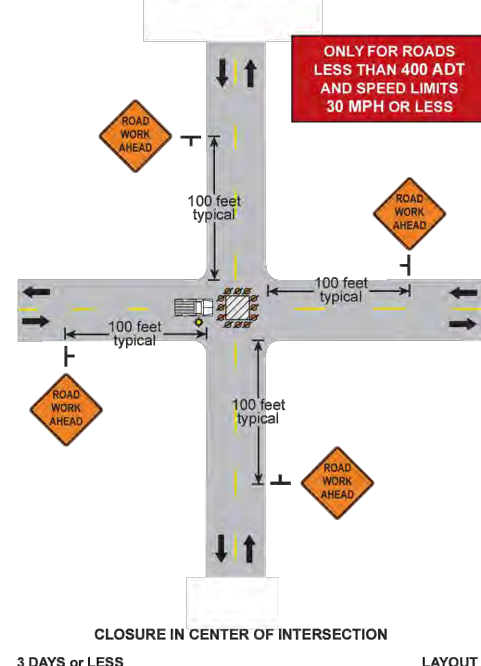
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- NOTES:**
- Additional Work Vehicle shall be parked off of the roadway. Do not obstruct the shoulder in the work area.
  - A minimum of 10 feet of drivable surface outside of the channelizers should be maintained on all sides. Anything less than 10 feet shall be approved by the road authority.
  - Channelizers and ROAD WORK AHEAD signs are optional at 15 minutes or less.
  - END ROAD WORK sign should be placed 500 feet past work area.
  - When available width is less than 16 feet, a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.



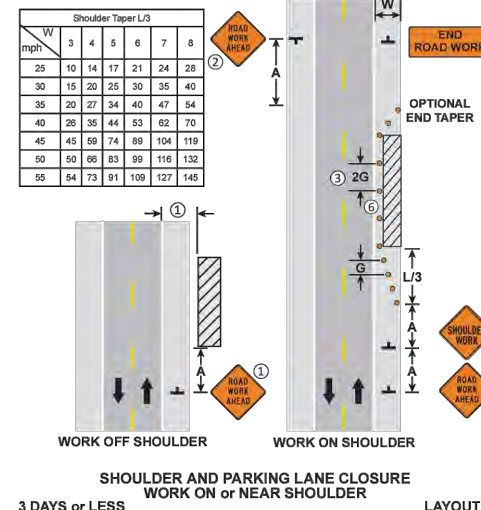
LAYOUT 1

- NOTES:**
- A minimum of 10 feet of drivable surface outside of the channelizers shall be maintained such that traffic can self-regulate.
  - END ROAD WORK sign should be placed 500 feet past work area.
  - When available width is less than 16 feet, a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.



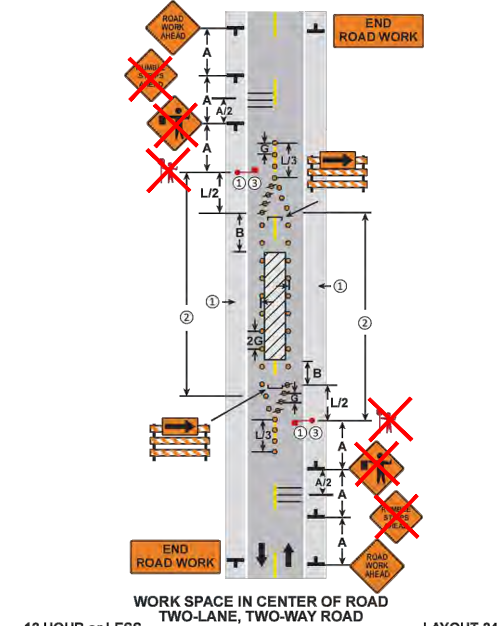
LAYOUT 3

- NOTES:**
- The ROAD WORK AHEAD sign may be omitted for short term daylight operations if a vehicle is displaying and operating a 360-degree flashing beacon and:
    - The distance from curb face to the work space is at least 2 feet, or
    - The distance from the edge of the roadway to the work space is at least 15 feet.
  - This ROAD WORK AHEAD sign shall be installed on two-lane, two-way roads if traffic control devices are installed for a work space in the opposite shoulder.
  - If this layout is used to close a parking lane that is normally open to vehicle travel during the time of day the closure will be in effect, the lane shall be considered a traveled lane and not a parking lane. Layout 3B shall be used to provide traffic control for the lane closure.
  - If this layout is used to close a parking lane, channelizer spacing may be reduced from 2G to G in high volume areas.
  - Change SHOULDER WORK sign to ROAD NARROWS sign if work encroaches the live lane.
  - ROAD WORK AHEAD and END ROAD WORK signs are not required if the work area is within a larger work zone where these signs are already present.



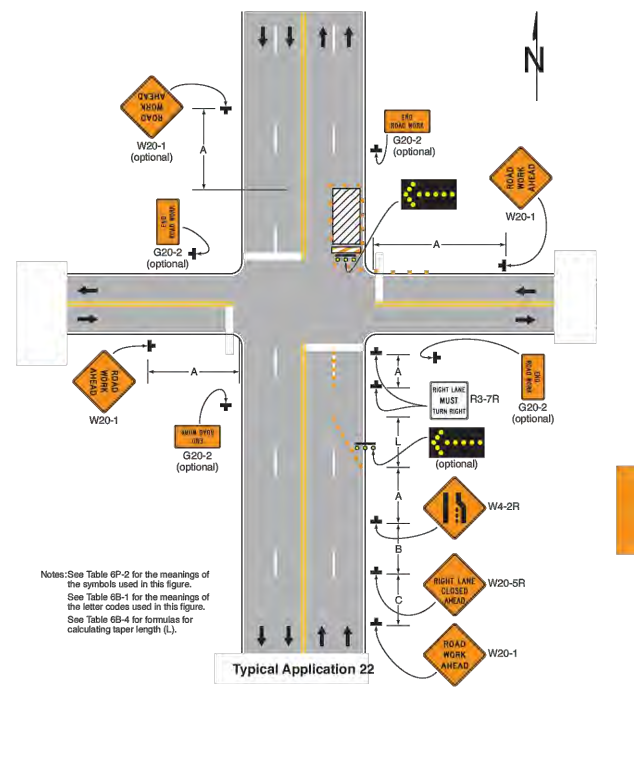
LAYOUT 6

- NOTES:**
- The Flaggers and the Flagger Ahead signs may be omitted if the posted speed limit is 40 mph or less and there is at least 10 feet of drivable surface outside of the channelizing devices.
  - Working end of taper shall be placed along the work area end taper.
  - The flagger shall be visible for at least the Decision Sight Distance (D).
  - END ROAD WORK sign should be placed 500 feet past work area.
  - When available width is less than 16 feet a Max Width (W12-52) sign should be used with a posted width 1 foot less than available width.



LAYOUT 24

Figure 6P-22. Right-Hand Lane Closure on the Far Side of an Intersection (TA-22)



Typical Application 22

Notes: See Table 6P-2 for the meanings of the symbols used in this figure. See Table 6B-1 for the meanings of the letter codes used in this figure. See Table 6B-4 for formulas for calculating taper length (L).

CITY OF DE PERE

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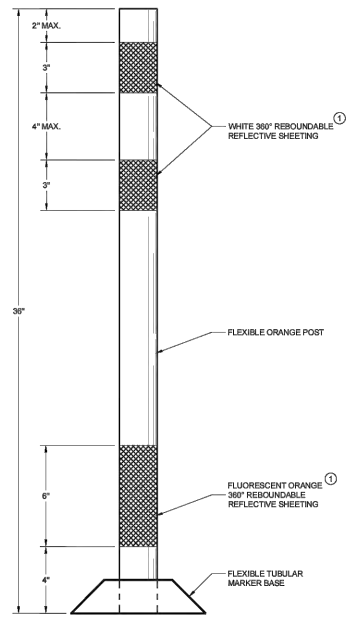
TRAFFIC CONTROL DETAILS

NAME:	SEWER LINING	BY:	MAL	DATE:	01-2025	REVISIONS / ISSUES		PAGE NO. <b>C401</b>
PROJECT:	25-03	SURVEYED:		NO.:	DATE:	BY:	REMARKS:	
		DRAWN:						
		DESIGNED:						

**GENERAL NOTES**

DETAILS OF CONSTRUCTION NOT SHOWN ON THIS DRAWING SHALL CONFORM TO THE PERTINENT REQUIREMENTS OF THE STANDARD SPECIFICATIONS AND THE APPLICABLE SPECIAL PROVISIONS.  
 SURFACE MOUNTED BASES SHALL BE FURNISHED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS TO BE COMPATIBLE WITH FLEXIBLE TUBULAR MARKER POSTS TO A SIZE AND SHAPE THAT WILL PROVIDE A STABLE POST FOUNDATION WHEN SECURED TO THE PAVEMENT.  
 THE ASPHALTIC ADHESIVE OR BUTYL PAD FURNISHED SHALL BE IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS, UNLESS DIRECTED BY THE ENGINEER TO USE BOLTS.

- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.



**FLEXIBLE TUBULAR MARKER POST WORK ZONE**

**CHANNELIZING DEVICES  
FLEXIBLE TUBULAR MARKER POST**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2022 /S/ Andrew Heitke  
DATE WORK ZONE ENGINEER

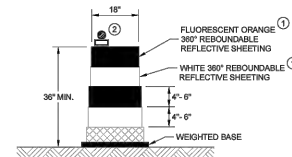
SDD 15C11 - 10a

6

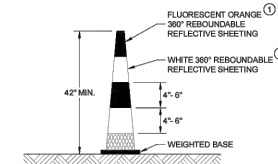
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**GENERAL NOTES**

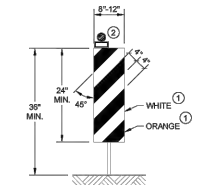
- ① REFLECTIVE SHEETING SHALL FOLLOW THE REQUIREMENTS IN THE APPROVED PRODUCTS LISTING FOR SIGN SHEETING.
- ② LOCATION OF WARNING LIGHTS WHEN SHOWN ON THE PLAN.



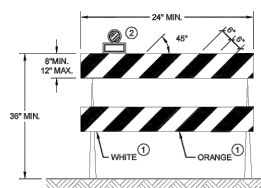
**DRUM**  
BALLAST WIDTHS  
RANGE FROM 24"-36"



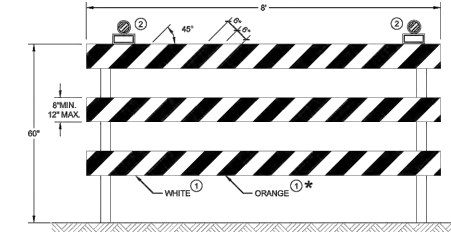
**42" CONE**  
DO NOT USE IN TAPERS  
1/2 SPACING OF DRUMS  
BALLAST WIDTHS  
RANGE FROM 14"-20"



**VERTICAL PANEL**  
THE STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



**TYPE II BARRICADE**  
FOR RAILS LESS THAN 36" LONG, 4" WIDE STRIPES MAY BE USED. ALL STRIPES SHALL SLOPE DOWNWARD TO THE TRAFFIC SIDE FOR CHANNELIZATION.



**TYPE III BARRICADE**  
IF SIGN MOUNTED, DO NOT COVER MORE THAN 50% OF THE TOP TWO RAILS OR 33% OF THE TOTAL AREA OF THE THREE RAILS.  
\* IF USED FOR A PERMANENT APPLICATION USE RED SHEETING.

**CHANNELIZING DEVICES  
DRUMS, CONES, BARRICADES AND VERTICAL PANELS**

STATE OF WISCONSIN  
DEPARTMENT OF TRANSPORTATION

APPROVED  
November 2022 /S/ Andrew Heitke  
DATE WORK ZONE ENGINEER

SDD 15C11 - 10b

6

SDD 15C11 - 10b

**CITY OF DE PERE**

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**TRAFFIC CONTROL DETAILS**

NAME: SEWER LINING

PROJECT 25-03

BY	DATE
SURVEYED	
DRAWN	MAL 01-2025
DESIGNED	
CHECKED	EPR 01-2025

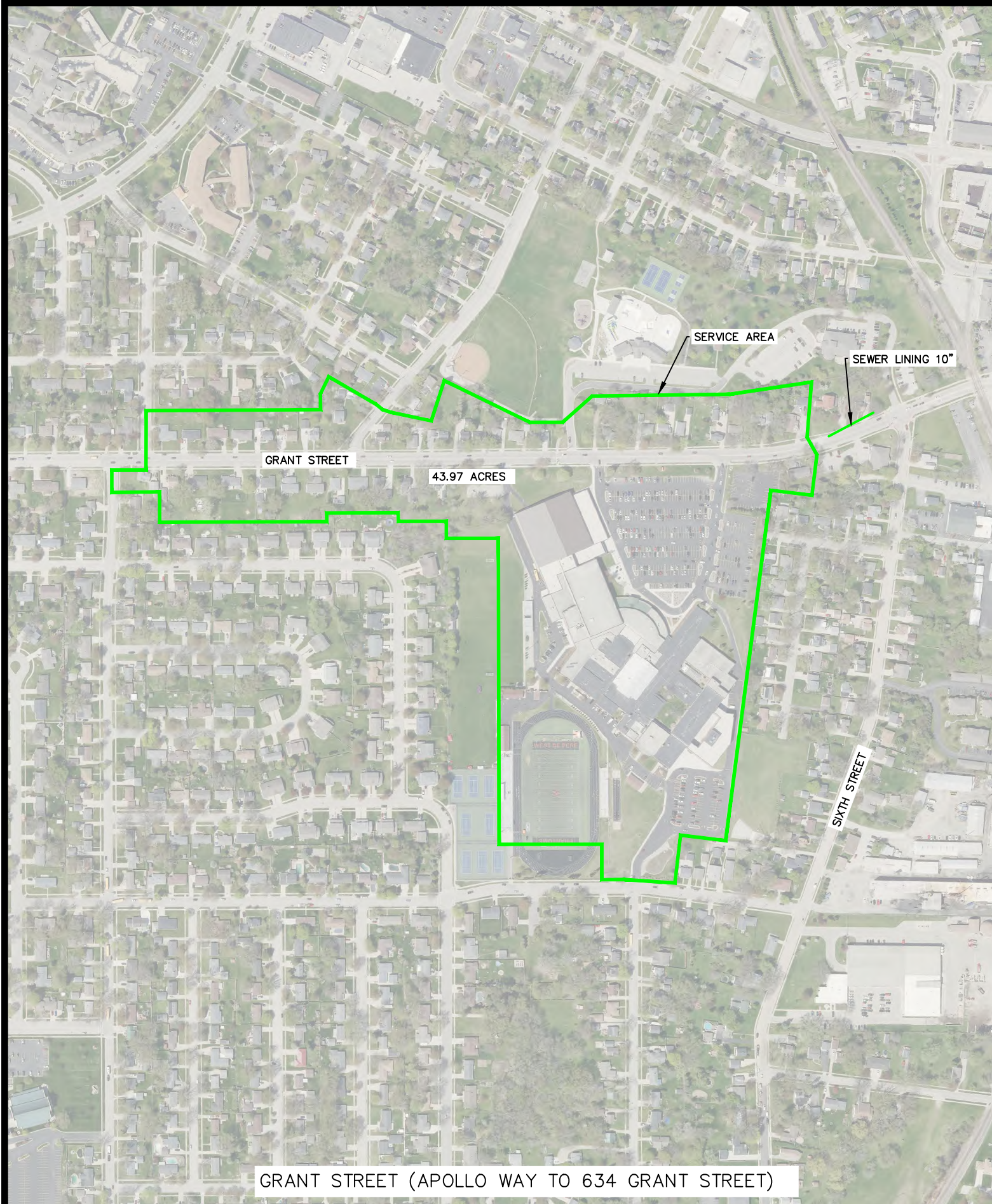
**REVISIONS / ISSUES**

NO.	DATE	BY	REMARKS

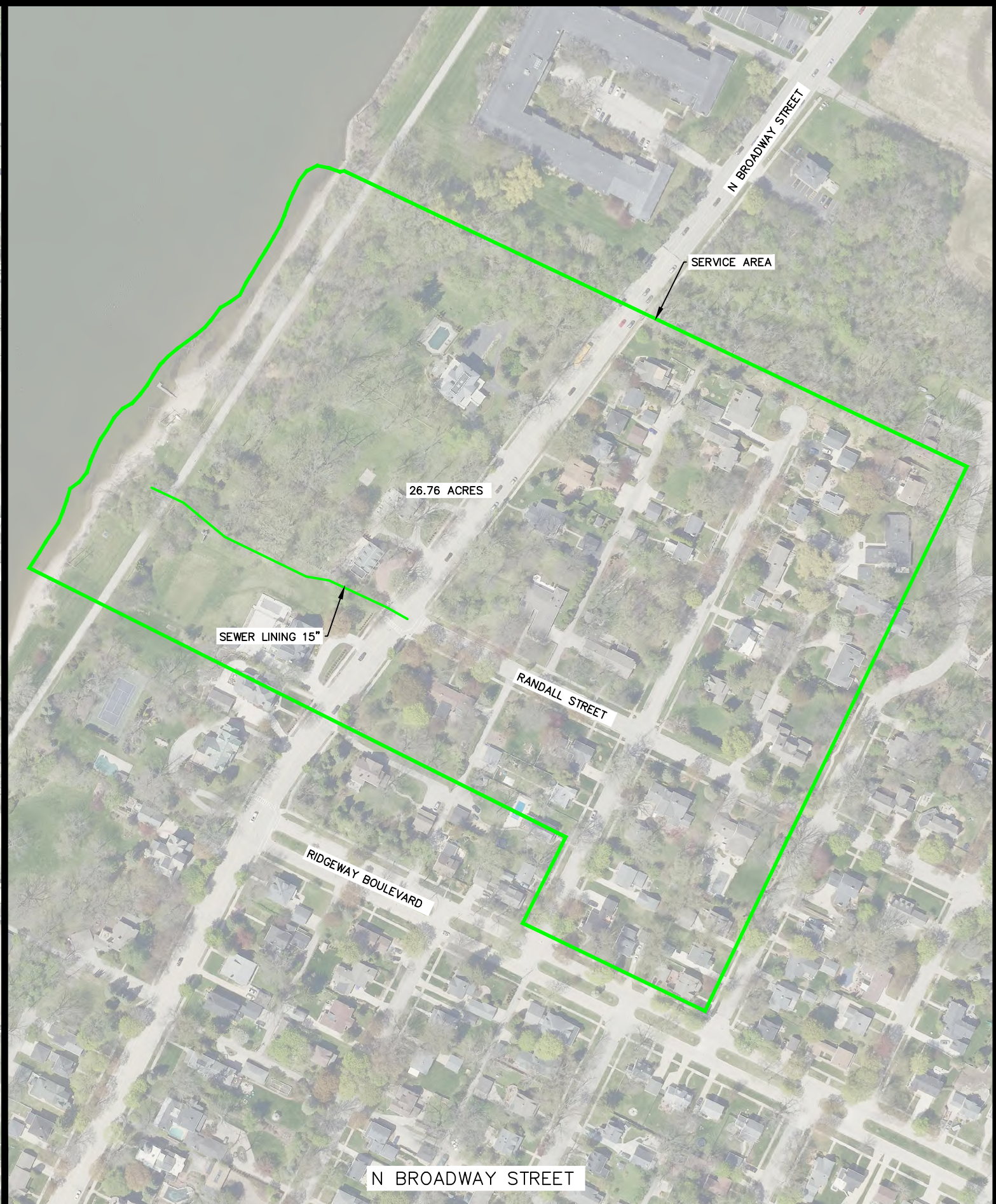
PAGE NO.

**C402**





GRANT STREET (APOLLO WAY TO 634 GRANT STREET)



N BROADWAY STREET

**CITY OF DE PERE**

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OFFICE 920-339-4061 FAX 920-339-4071

**DRAINAGE BASIN MAPS  
MISCELLANEOUS LOCATIONS**

NAME:  
SEWER LINING

PROJECT 25-03

BY	DATE
MAL	01-2025
EPR	01-2025

REVISIONS / ISSUES		REMARKS
NO.	DATE	

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**DRAINAGE BASIN MAPS  
MISCELLANEOUS LOCATIONS**

NAME:  
SEWER LINING

PROJECT 25-03

BY	DATE
MAL	01-2025
EPR	01-2025

REVISIONS / ISSUES		REMARKS
NO.	DATE	

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