



INVITATION TO BID

Requesting:	Bid(s) For Sanitary Sewer Manhole Inspections, Cleaning and Televising
Issue Date:	July 27, 2023
Pre-Bid Meeting:	N/A
Pre-Bid Meeting Location:	N/A
Last Date for Questions:	August 1, 2023, at 9:00 AM local time
Addendum Posted:	August 3, 2023, at 3:00 PM local time
Proposals Due:	<u>August 8, 2023, at 12:00 PM local time</u>
Public Opening:	bids.oswegoil.org
Location:	<u>www.demandstar.com/register.rsp</u>

Note:

All questions concerning this solicitation shall be submitted via e-mail to cburns@oswegoil.org before the date stated above. A written response in the form of a public addendum will be published on the Village's website by the said date above.

Contact with anyone other than the cburns@oswegoil.org for matters relative to this solicitation during the solicitation process is prohibited.

Contact for this proposal:

Christina Burns, Deputy Village Administrator in writing at cburns@oswegoil.org

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APPENDIX A: PROJECT SPECIFICATIONS

- Attachment A: CCTV Schedule
- Attachment B: Maps and Exhibits

APPENDIX B: 2023 SANITARY SEWER CCTV PROJECT BID TAB

LEGAL NOTICE

The Village of Oswego will be accepting bids for the Sanitary Sewer Manhole Inspections, GPS Locating, Cleaning and Televising Program Project until August 8, 2023, at 12:00 PM noon local time. Bids will be virtually opened and read aloud publicly on the same day and time by going to bids.oswegoil.org.

Project Title: Sanitary Sewer Manhole Inspections, GPS Locating, Cleaning and Televising Program
Proposal No. 23-6070-023

The project consists of 200 Manhole inspections and GPS locations and approximately 24,000 linear feet of sanitary sewer cleaning and closed-circuit televising.

Bids must be submitted electronically. All necessary documents are available through the Village's bid portal www.demandstar.com. Downloading documents and submitting Bids requires registration with "DemandStar." If you are not already a member, you can obtain a FREE AGENCY SUBSCRIPTION to the Village of Oswego account by going to www.demandstar.com/register.rsp. Instructions for DemandStar can be found on the Village's website www.oswegoil.org. Hard copy, emailed or faxed Bids will not be accepted.

Infrequent or first-time users of electronic bidding are recommended to load their Bids at least twenty-four (24) hours prior to the due date. All technical questions regarding the use of DemandStar, must be emailed at least 48 hours before the due date to cburns@oswegoil.org. All answers to questions related to technical issues with DemandStar, will be provided within one business day.

Questions regarding this legal notice or the proposal package must be in writing and emailed directly to cburns@oswegoil.org until August 1, 2023, at 9:00 AM local time. Responses will be posted in DemandStar by August 2, 2023, at 3:00 PM local time.

The bidder shall at all times observe and conform to all federal, state, and local laws, ordinances, and regulations, including those which may, in any manner, affect the preparation of bids or the performance of the contract.

GENERAL CONDITIONS

1. Contractor Qualifications

The Contractor must be experienced in providing said services to local governments. Submitters that cannot demonstrate successful previous experience in the work in this bid will be considered not responsible and will not be considered for award of the contract.

The Contractor must possess (own or rent) and/or assure the availability of sufficient equipment, meeting the requirements that follow, to successfully pursue the work in this bid.

2. Work Schedule

The Contractor shall complete the work required as soon as practicable. The only exception to this requirement will be extenuating circumstances as may be accepted by the Village. Requests for exceptions due to extenuating circumstances must be made in writing to the Village within 48 hours of the occurrence. The Village's decision on extenuating circumstances will be final.

Subsequent to the award of the bid, at the commencement of weather conducive to providing these services, a notice to proceed shall be issued. The Contractor shall commence work as soon as possible thereafter.

Work will not be permitted on Sunday or the following legal holidays:

New Year's Day	Labor Day
Martin Luther King's Birthday	Veteran's Day
President's Day	Thanksgiving Day
Memorial Day	Day after Thanksgiving
Independence Day	Christmas Eve, ½ Day (afternoon)
Christmas Day	

All work shall be prohibited during certain public events in said area.

3. Safety Officer

- The Contractor shall provide a Safety Officer contact for the Village.
- The Safety Officer shall address all concerns, and communicate resolution to the Village, within a one (1) hour window.

4. Method of Assignment

The Village may add, delete, or change the work locations or details of the marking layouts at any time during the work period, with at least two (2) working days prior notice to the Contractor.

5. **Equipment**

All Equipment required to perform the contract is the sole responsibility of the Contractor and should be included in the bid. Multiple mobilizations may be expected and will not be treated like extras.

6. **Bid Bond**

Unless specifically waived, each bid shall be accompanied by a bid security in an amount of ten percent (10%), or such other percentage as stated in the supplementary conditions of the full amount of the bid in the form of a certified or bank cashier's check or bid bond. In a reasonable time after the bid opening, bid deposits of all except the three lowest responsible bidders will be released. The remaining deposits will be released after the successful bidder has entered into the contract and furnished the required insurance and bonds. The bid deposit shall become the property of the Village if the successful bidder within fourteen (14) days from awarding the contract refuses or is unable to comply with the contract requirements, not as a penalty, but as liquidated damages.

The bid bond must be uploaded with the bid documents and the original must be mailed to: Village of Oswego, Attn. Purchasing, Bid Bond, 100 Parkers Mill, Oswego, Il 60543

7. **Performance, Labor and Material Payment Bonds**

The successful bidder shall furnish at the time of execution of the contract a performance bond for the full amount of the contract to guarantee the completion of any work to be performed by the Contractor under the contract, payment of material used in such work, and for all labor performed in such work including by subcontractors.

Performance bond satisfactory to the Village must be executed by a Surety Company authorized to do business in the State or otherwise secured in a manner satisfactory to the Village, in an amount equal to 110% of the contract price specified. The surety on the bond shall be a company that is licensed by the Department of Insurance authorizing it to execute surety bonds and the company shall have a financial strength rating of at least A as rated by A.M. Best Company, Inc., Moody's Investors Service, Standard & Poor's Corporation, or a similar rating agency.

The performance, labor and material payment bond must be emailed to cburns@oswegoil.org and the original must be mailed to: Village of Oswego, Attn. Christina Burns, Performance Bond, 100 Parkers Mill, Oswego, Il 60543

In the event that the bidder fails to furnish the bonds within 14 days after notification of the award, then the Village may terminate the contract. The bid guarantee shall be retained by the Village as liquidated damages and not as a penalty. It is agreed that the sum is a fair estimate of the amount of damages that the Village will sustain due to the bidder's failure to furnish the bonds and termination of the contract.

8. **Traffic Control and Public Safety**

Direction of Operation – When traveling in lanes open to the public traffic, the Contractor’s vehicles shall always move with and not against the flow of traffic. These vehicles shall enter and leave work areas in a manner that will not be hazardous to, or interfere with, traffic and shall not park or stop except within designated parking areas.

All equipment shall be maintained in accordance with existing Illinois State Law and shall be supplied with operational amber flashing lights/strobes and have “slow-moving vehicle designators” as required. All vehicles and equipment must be marked to properly identify the Contractor’s company, including phone number and must be visible at all times. At a minimum, the following must be complied with:

- A. Manual on Uniform Traffic Control Devices.
- B. Regulations of the Department and the Village of Oswego.
- C. Other Federal (including OSHA), State or Municipal acts, statutes, rulings, ordinances, decisions or regulations as might apply.
- D. All subsequent revisions and supplements to the above documents.
- E. The importance of following correct safety procedures is emphasized. The Village reserves the right to disallow payment for any work performed where the proper safety precautions are not followed.
- F. The safety of the public and the convenience of traffic shall be regarded as prime importance. Unless otherwise provided herein, all portions of streets shall be kept open to traffic.
- G. The Contractor shall take all reasonable precautions for the safety and reasonable protection to all of their employees and other persons and property to prevent damage, injury or loss to the same.
- H. Work can be completed during late evening or overnight hours when traffic is minimal, if authorized by the Village.

9. **Delivery of Materials**

It shall be the Contractor’s responsibility to see that merchandise is delivered within or adjacent to the area of installation repair as specified by the Village.

The work described in this specification shall be done with the least inconvenience. Vehicles must have egress capabilities at all times. The amount of time that normal operations are interrupted must be kept to an absolute minimum and shall be coordinated with the Village.

The Contractor is responsible to protect all existing and newly installed work, materials, equipment, improvements, utilities, structures, and vegetation at all times during the course of this contract. Any property or incidentals damaged during the course of this contract shall be repaired or replaced to the satisfaction of the Village.

10. Injury to Property

In case any direct or indirect damage is done to public or private property by or because of the work, or in consequence of any act or omission on the part of the Contractor, his employees or agents, the Contractor shall, at his own cost, restore such property to a condition similar or equal to that existing before such damage was done, by repairing, rebuilding, or otherwise restoring, as may be required by the Village, or shall make good such damage in a satisfactory manner; and in case of failure on the part of the Contractor to promptly so restore or make good such damage, the Village may, upon 48 hours written notice, proceed to repair, rebuild, or otherwise restore such property as may be necessary, and the cost thereof will be deducted from any monies due to become due to the Contractor under the Contract; or the Director of Public Works may deduct from any monies due to the Contractor a sum sufficient, in the judgment of the Village, to reimburse the owners of the property so damaged.

11. Decisions and Explanations by Village

The Village shall decide any and all questions which may arise as to the quality and acceptability of materials furnished and work performed and as to the manner of performance and rate of progress of the work and shall decide all questions which may arise as to the interpretations of any or all plans relating to the work and of the specifications, and all questions, as to the acceptable fulfillment of the Contract on the part of the Contractor; and the Village shall determine the amount and quantity of the several kinds of work performed and materials which are to be paid for under the Contract, and such decision and estimate shall be final and conclusive, and such estimate, in case any questions shall arise, shall be a condition precedent to the right of the Contractor to receive any money due under the Contract. Any doubt as to the meaning of any of the provisions of the specifications, Contracts, or plans will be interpreted by the Village. The decision of the Village will be final.

INSTRUCTIONS TO BIDDERS

1. **Preparation and Submission of Bids:**

- A. Each bid shall be submitted on the exact form furnished. All blank spaces for bid prices, unit costs and alternates must be filled in using both words and figures if indicated. In case of any discrepancy in the amount Bid, the prices expressed in written words shall govern.
- B. Each Bidder must submit a complete Bid package, including the following items:
 - a) **Signed Contract**
 - b) **Signed Bid Sheet**
 - c) **Detailed Exception Sheet**
 - d) **Subcontractors List**
 - e) **References**
 - f) **Signed Contractor Bid Agreement**
 - g) **Bid bond**
 - h) **Completed 2023 Sanitary Sewer CCTV Bid Tab**
- C. Bidders may attach separate sheets to the Bid for the purpose of explanation, exception, alternate Bid and to cover unit prices, if needed.
- D. Bidders may withdraw their Bid either personally or by written request at any time before the hour set for the Bid opening and may resubmit it. No Bid may be withdrawn or modified after the Bid opening except where the award of the contract has been delayed for a period of more than thirty (30) days.
- E. In submitting this Bid, the Bidder further declares that the only person or party interested in the bid as principals are those named herein; and that the Bid is made without collusion with any other person, firm or corporation.
- F. The Bidder further declares that he has carefully examined this entire Bid Package, and he has familiarized himself with all of the local conditions affecting the contract and the detailed requirements of this work and understands that in making the Bid he waives all rights to plead a misunderstanding regarding same.
- G. The Bidder further understands and agrees that if his bid is accepted, he is to furnish and provide all necessary machinery, tools, apparatus, and other means to do all of the work and to furnish all of the materials specified in the contract, except such materials as are to be furnished by the owner (Village), in the manner and at the time therein prescribed, and in accordance with the requirements therein set forth.
- H. The Bidder further agrees that if the Village decides to extend or shorten the work, or otherwise alters it by extras or deductions, including the elimination of one or more of the items, as provided in the specifications, he will perform the work as altered, increased or decreased.
- I. The Bidder further agrees that the Village representative may at any time during the progress of the work covered by this Contract, order other work or materials incidental thereto and that all such work and materials as do not appear in the Bid or contract as a specific item covered by a lump sum price, and which are not included under the Bid price for other items in the Contract, shall be performed as extra work.
- J. The Bidder further agrees to execute all documents within this Bid Package, for this work and present all of these documents to the Village.

- K. The Bidder further agrees to execute all documents within this Bid Package, obtain a Certificate of Insurance for this work and present all of these documents within fifteen (15) days after the receipt of the Notice of Award and the Contract.
 - L. The Bidder further agrees to begin work not later than ten (10) days after receipt of the Notice to Proceed, unless otherwise provided, and to execute the work in such a manner and with sufficient materials, equipment and labor as will ensure its completion within the time limit specified within the Bid, it is understood and agreed that the completion within the time limit is an essential part of the contract.
 - M. By submitting a Bid, the Bidder understands and agrees that, if his Bid is accepted, and he fails to enter into a contract forthwith, he shall be liable to the Village for any liquidated damages in the amount of the bid bond as set forth in Section 6.
 - N. No Bid will be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has necessary facilities, ability, and pecuniary resources to fulfill the conditions of the Contract.
 - O. No Bid shall be considered unless the party offering it shall furnish evidence satisfactory to the Village that he has the necessary facilities, ability, and pecuniary resources to fulfill the conditions of the Contract.
2. **Additional Information Request:** Questions regarding this Bid and specific questions regarding the specifications in this Bid can be emailed to cburns@oswegoil.org. Answers will be provided in writing to all known potential Bidders; No oral comments will be made to any Bidder as to the meaning of the Bid and Specifications or other contract documents. Bidders will not be relieved of obligations due to failure to examine or receive documents, visit the site or become familiar with conditions or facts of which the Bidder should have been aware of, and the Village will reject all claims related thereto.

Information (other than in the form of a written Addendum issued by the Village) from any officer, agent, or employee of the Village or any other person shall not affect the risks or obligations assumed by the Bidder or relieve him from fulfilling any of the conditions and obligations set forth in the bid and other contract documents. Before the bids are opened, all modifications or additions to the bid documents will be made in the form of a written Addendum issued by the Village. Any Addendum issued will be posted on the Village's website. In the event of a conflict with the original contract documents, addenda shall govern all other contract documents to the extent specified. Subsequent addenda shall govern over prior addenda only to the extent specified.

The Bidder shall be required to acknowledge receipt of the formal Addendum by signing the Addendum and including it with the bid quotation. Failure of a Bidder to include a signed formal Addendum in its bid quotation shall deem its quotation non-responsive: provided, however, that the Village may waive this requirement if it in its best interest.

3. **Conditions:** The Bidder is responsible for being familiar with all conditions, instructions, and documents governing this project and Bid. Failure to make such investigation and preparations shall not excuse the Contractor from the performance of the duties and

obligations imposed under the terms of this contract. The Bidder acknowledges that local ordinance permits the Village to give preference to local businesses.

- A. The Village is exempt from Federal excise tax and the Illinois Retailer's Occupation Tax. This Bid cannot include any amounts of money for these taxes.
 - B. To be valid, the Bids shall be itemized so that selection for purchase may be made, there is included in the price of each unit the cost of delivery (FOB Destination).
 - C. The Village shall reserve the right to add or to deduct from the Alternate Bid any item at the prices indicated in the itemization of the Bid.
 - D. All Bids shall be good for thirty (30) days from the date of the Bid opening.
 - E. Bidders shall be required to comply with all applicable federal, state and local laws, including those relating to the employment of labor without discrimination on the basis of age, race, color handicap, sex, national origin or religious creed and prevailing wages
4. **Award of Bid:** The Village reserves the right to reject any or all bids or packages and to waive any informality or technical error and to accept any bid deemed most favorable to the interests of the organization.
- A. The items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidentally to and as part of the items of work for which a unit price is given. No additional payment will be made for such incidental work. The Bidder shall be responsible for identifying all costs to complete the project on time and in order to create a functional and operational system in accordance with the Plans and Specifications.
 - B. The Village has the sole discretion to award the alternate bid based upon the best interest of the Village.
 - C. All awards made in accordance with Village Code are final determinations.
 - D. The Contract shall be deemed as have been awarded when formal notice of award shall have been duly served upon the intended awardee.
 - E. In addition to price, the Village will consider:
 - Ability, capacity, and skill to fulfill the contract as specified.
 - Ability to supply the commodities, provide the services or complete the construction promptly, or within the time specified, without delay or interference.
 - Character, integrity, reputation, judgment, experience, and efficiency.
 - Quality of performance on previous contracts.
 - Previous and existing compliance with laws and ordinances relating to the contract.
 - Sufficiency of financial resources.
 - Quality, availability, and adaptability of the commodities, services or construction, in relation to the Village's requirements.
 - Ability to provide future maintenance and service under the contract.
 - Number and scope of conditions attached to the Bid /bid.
 - Record of payments for taxes, licenses or other monies due to the Village.

5. **Rejection of Bids:**

- A. The Village reserves the right to cancel invitations for Bids or requests for bids without penalty when it is in the best interest of the Village. Notice of cancellation shall be sent to all individuals or entities solicited.
 - B. The Village reserves the right to reject any or all Bids, to waive any minor informality or irregularity in any Bid, to negotiate changes and/or modifications with the lowest responsible Bidder and to make an award to the response deemed to be the most advantageous to the Village.
 - C. Any Bid not conforming to the specifications or requirements set forth by the Village in the Bid request may be rejected.
 - D. Bids may also be rejected if they are made by a Bidder that is deemed un-responsible due to a lack of qualifications, capacity, skill, character, experience, reliability, financial stability or quality of services, supplies, materials, equipment or labor.
6. **Equal Opportunity:** The Bidder will not discriminate against any employee or applicant for employment because of race, color, religion, sex, ancestry, national origin, place of birth, age or handicap unrelated to bona fide occupational qualifications.
7. **Non-Discrimination:** The Bidder, its employees, and subcontractors agree not to commit unlawful discrimination and agree to comply with applicable provisions of the Illinois Human Rights Act, the U.S. Civil Rights Act and Section 504 of the Federal Rehabilitation Act, and rules applicable to each.
8. **Execution of Documents:** The Bidder, in signing the Bid on the whole or any portion of the work, shall conform to the following requirements:
- A. Bids signed by an individual other than the individual represented in the bid documents shall have attached thereto a power of attorney evidencing authority to sign the Bid in the name of the person for whom it is signed.
 - B. Bids that are signed for a partnership shall be signed by all of the partners or by an attorney-in-fact. If signed by an attorney-in-fact, there shall be attached to the Bid a power of attorney evidencing authority to sign the Bid, executed by the partners.
 - C. Bids that are signed for a corporation shall have the correct corporate name thereof and the signature of the President or other authorized officer of the corporation manually written below the corporate name.
 - D. If such Bid is manually signed by an official other than the President of the Corporation, a certified copy of a resolution of the board of directors evidencing the authority of such official to sign the Bid should be attached to it. Such Bid shall also bear the attesting signature of the Secretary of the corporation and the impression of the corporate seal. If the Bid is signed for a limited liability company, it should have the correct legal name and be signed by the managing member or another person with authority.
 - E. Bids received from any listed Contractor in response to an invitation for bids shall be entered on the abstract of Bids and rejected. Bids, quotations, or offers received from any listed Contractor shall not be evaluated for the award or included in the competitive range, nor shall discussions be conducted with a listed offer or during a period of ineligibility. If the period of ineligibility expires or is terminated prior to award, the village may, but is not required to, consider such bids, quotations, or offers.

9. **Contract:** The Village and the Contractor shall enter into the form of contract attached to the Bid specifications.

CONTRACT

This contract is entered into this ____ day of _____ 2023, by and between the Village of Oswego (Village) and _____ (Contractor).

The entire Bid package together with all Exhibits and attachments and the following sections apply to all bids requested and accepted by the Village and become a part of the contract unless otherwise specified. The Village assumes that submission of a bid means that the person submitting the bid has familiarized himself with all conditions and intends to comply with them unless noted otherwise.

1. **Definitions:** The definitions set forth in the Bid Packet are incorporated herein.
2. **Conditions:** The Contractor is responsible for being familiar with all conditions, instructions, warranties, and documents governing this project and Bid. Failure to make such investigation and preparations shall not excuse the Contractor from the performance of the duties and obligations imposed under the terms of this contract.
3. **Retainage During Guarantee Period:** Out of the amount representing the total amount due upon completion of work in any month, the Village shall deduct ten percent (10%) and shall hold such sum for a guarantee period which shall expire not less than ninety (90) days after the completion of the last work done in the Contract Work Period of each year.
4. **Billing/Invoicing:** All billing and invoicing will be at the completion of the job with detailed itemized billing. Billing will include the date, the work performed, and the total cost. After receipt of a correct invoice, payments shall be due and owing by the Village in accordance with the terms and provisions of the Local Government Prompt Payment Act, Illinois Compiled Statutes, Ch. 50, Sec. 505, et. seq.;

If in the opinion of the Village, the Contractor has not or is not satisfactorily performing the work covered by this specification, and within forty-eight (48) hours of receipt of a written demand from the Village, for performance, has not cured any defect in performance specifically itemized in such demand, the Village may, at its option:

- A. Withhold payment.
- B. Consider all or any part of this contract breached and terminate the Contractor, or
- C. May hire another Contractor to cure any defects in performance or complete all work covered by this specification for the remaining term of this contract.
- D. Any demand for performance shall be specifically delivered to the Contractor by personal delivery, certified or registered mail.

The Village will make periodic inspections and follow up as needed with the Contractor to discuss any issues.

5. **Insurance and Bond Requirements:** Contractor shall procure and maintain for the duration of the Agreement insurance against claims for injuries to persons, damages to property, and/or other applicable damages that may arise in connection with the performance of work and/or services under this Agreement as follows:

A. Minimum Scope of Insurance – The insurance coverage to be procured and maintained by Contractors shall be at least as broad as the following:

- i. **Commercial General Liability Insurance.** Commercial general liability insurance with minimum coverage amounts of \$2,000,000 general aggregate; \$2,000,000 products-completed operations aggregate; and \$1,000,000 each occurrence for bodily injuries, death, and property damage, and personal injury resulting from any one occurrence, including the following endorsements, coverages, and/or conditions:
 1. Shall name the Village as an additional insured in accordance with the obligations and conditions set forth below.
 2. Blanket contractual liability coverage, to the extent permitted under Illinois law, including, but not limited to, Contractor's contractual indemnity obligations under the Agreement.
 3. Premises-Operations and Independent Contractors.
 4. Broad form property damage coverage.
 5. Personal injury coverage.
 6. Must be endorsed as Primary and Non-Contributory as to any other insurance of the Additional Insureds.
 7. If the Additional Insureds have other insurance that is applicable to the loss, such other insurance shall be on an excess or contingent basis to any Subcontractor's policy.
- ii. **Comprehensive Automobile Liability Insurance.** Comprehensive automobile liability insurance with minimum coverage amounts of \$1,000,000 any one accident for bodily injuries, death, and property damage resulting from any one occurrence, including all owned, hired, and non-owned vehicles.
- iii. **Workers' Compensation and Employers Liability Insurance.** Statutory Workers' Compensation coverage complying with the law of the State of Illinois and Employers' Liability Insurance with minimum limits at \$1,000,000 each accident, including occupational disease coverage with a limit of \$1,000,000 per employee, subject to policy minimum limit of \$1,000,000 per annum.
- iv. **Umbrella / Excess Liability Insurance Umbrella / Excess Liability Insurance.** Umbrella or excess liability insurance is written over the underlying employer's liability, commercial general liability, and automobile liability insurance described above on a following-form basis with minimum coverage amounts of \$2,000,000 per occurrence and \$2,000,000 general aggregate, with coverage at least as broad as the underlying policies.
- i. **Professional Liability Insurance.** Contractor shall procure and maintain professional liability insurance coverage: Each Occurrence: \$1,000,000.00. Such professional liability coverage shall be maintained for at least two years after completion of work and/or services under the Agreement. Evidence of such insurance shall be provided

- upon request from the Village during this two-year period. If the policy is written on a claims-made form, the retroactive date must be equal to or preceding the effective date of the contract. In the event the policy is cancelled, non-renewed or switched to an occurrence form, the Firm shall be required to purchase supplement extended reporting period coverage for a period of not less than 2 years.
- B. Deductibles and Self-Insured Retentions - Any deductibles or self-insured retentions must be declared to and approved by the Village. At the option of the Village, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the Village, its officials, employees, agents, and volunteers; or the Contractor shall procure a bond guaranteeing payment of losses and related investigation, claim administration and defense expenses.
- C. Contractor's Obligations - The Contractor shall have the following obligations with regard to required insurance under the Agreement:
- i. The insurance policies required under this Agreement, including excess or umbrella liability policies, shall be endorsed to contain the following provisions: the Village and its officers, officials, employees, agents, and volunteers are to be covered as additional insureds on each of the policies with respect to liability arising out of ongoing and completed operations performed by or on behalf of the Contractor, including materials, parts, or equipment furnished in connection with such work or operations and automobiles, owned, leased, hired or borrowed by or on behalf of the Contractor. General liability coverage additional insured status shall be provided in the form of an endorsement to Contractor's insurance at least as broad as ISO Form CG 20 10 11 85, or if not available, through both ISO Form CG 20 10, or CG 20 26, or CG 20 33; and CG 2037; 10 01 Edition date. All additional insured coverage shall be for both ongoing and completed operations.
 - ii. The Contractor shall provide evidence of the required insurance coverages under this Agreement by providing a copy of the actual policy/policies, endorsement(s) and certificates of insurance evidencing such coverages. All certificates of insurance required to be obtained by the Contractor shall provide that coverages under the policies named shall not be canceled, modified, reduced or allowed to expire without at least thirty (30) days prior written notice given to the Village. All certificates evidencing coverage extended beyond the date of final payment shall be provided at the time of the final Pay Request.
 - iii. The Contractor shall provide immediate notice to the Village upon the cancellation of any insurance policy or policies required hereunder.
 - iv. All insurance required of the Contractor shall state that it is Primary and Non-Contributory Insurance as to all additional insureds with respect to all claims arising out of operations by or on their behalf and shall be provided by Endorsement CG 20 01. If the Village has other applicable insurance coverages, those coverages shall be regarded as excess over the additional insured coverage. Contractor shall, with respect to all insurance required under this Agreement, endorse or require each policy to waive any and all rights of subrogation for

- losses and or damages arising from the work and/or services provided by the Contractor against the Village or other Additional Insured except where not permissible by law.
- v. The Contractor shall require that every Subcontractor of any tier working on the Project associated with this Agreement to obtain insurance of the same types and amounts as that required of Contractor, naming the same as additional insureds subject to the same restrictions and obligations as set forth in the Contractor's insurance required under the Agreement, including waivers of subrogation in favor of the Village.
 - vi. Under no circumstances shall the Village be deemed to have waived any of the insurance requirements of this agreement by any act or omission, including, but not limited to:
 - 1. Allowing work by the Contractor or any Subcontractor of any tier to start before receipt of the required insurance policy, endorsement, and/or certificates of insurance; or
 - 2. Failure to examine, or to demand the correction of any deficiency, of any insurance policy, endorsement, and/or certificate of insurance received.
 - vii. The Contractor agrees that the obligation to provide insurance is solely the responsibility of the Contractor and the Subcontractors of any tier and cannot be waived by any act or omission of the Village.
 - viii. The purchase of insurance by the Contractor under this Agreement shall not be deemed to limit the liability of the Contractor in any way, for damages suffered by the Village in excess of policy limits or not covered by the policies purchased by the Contractor.
 - ix. The Contractor shall notify the Village, in writing, of any possible or potential claim for personal injury or property damage arising out of the work and/or services of this Agreement promptly whenever the occurrence giving rise to such a potential claim becomes known to the Contractor.
 - x. The Contractor further agrees to cause contractual liability endorsements to be issued by the insurance companies and attached to the above-mentioned policies to include under the coverage therein an extended obligation on the part of the insurers to insure against Contractor's contractual liability hereunder and to indemnify the Village and its agents against loss, liability, costs, expenses, attorneys' fees, and court costs, and further agrees that said coverage shall be afforded therein against all claims arising out of the operation of any structural work law or law imposing liability arising out of the use of scaffolds, hoists, cranes, stays, ladders, supports or other mechanical contrivances.
 - xi. All insurance and performance and payment bonds required hereunder shall be placed with an insurer or insurers authorized to conduct business in the State of Illinois with a current A.M. Best's rating of no less than A, unless otherwise acceptable to the Village.
6. **Indemnification:** To the fullest extent permitted by Illinois law, Contractor shall indemnify, defend, save and hold the Village, their trustees, officers, employees, agents, attorneys and lenders harmless from and against all claims, damages, losses, and expenses, including but

not limited to attorneys' fees, arising out of or resulting from performance of the work and/or services under the Agreement, provided that such claim, damage, loss, or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property (other than the Work itself caused by the negligent acts or omissions of the Contractor, anyone directly or indirectly employed by Contractor, or anyone for whose acts Contractor may be liable, regardless of whether or not such claim, damage, loss, or expense is caused in part by a party indemnified hereunder or claimed to be due in whole or in part to the active, passive, or concurrent negligence or fault of a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or reduce other rights or obligations of indemnity that would otherwise exist as to a party or person described in this Section.

4. **Force Majeure:** Whenever a period of time is provided for in this Agreement for the Contractor or the Village to do or perform any act or obligation, neither party shall be liable for any delays or inability to perform if such delay is due to a cause beyond its control and without its fault or negligence including, without limitation: a) Acts of nature; b) Acts or failure to act on the part of any governmental authority other than the Village or Contractor, including, but not limited to, enactment of laws, rules, regulations, codes or ordinances subsequent to the date of this Agreement; c) Acts of war; d) Acts of civil or military authority; e) Embargoes; f) Work stoppages, strikes, lockouts, or labor disputes; g) Public disorders, civil violence, or disobedience; h) Riots, blockades, sabotage, insurrection, or rebellion; i) Epidemics or pandemics; j) Terrorist acts; k) Fires or explosions; l) Nuclear accidents; m) Earthquakes, floods, hurricanes, tornadoes, or other similar calamities; n) Major environmental disturbances; or o) Vandalism. If a delay is caused by any of the force majeure circumstances set forth above, the time period shall be extended for only the actual amount of time said the party is so delayed. Further, either party claiming a delay due to an event of force majeure shall give the other party written notice of such event within three (3) business days of its occurrence, or it shall be deemed to be waived.
5. **Liquidated Damages:** Time is of the essence of the contract. Should the Contractor fail to complete the work within the specified time stipulated in the contract or within such extended time as may have been allowed, the Contractor shall be liable and shall pay to the Village the amount of \$750.00, not as a penalty but as liquidated damages, for each day of overrun in the contract time or such extended time as may have been allowed. The liquidated damages for failure to complete the contract on time are approximate, due to the impracticality of calculating and proving actual delay costs. These deductions are for the cost of delay to account for administration, engineering, inspection, supervision, and other costs and expenses during periods of extended and delayed performance. The costs of delay represented by this schedule are understood to be a fair and reasonable estimate of the costs that will be borne by the Village during an extended and delayed performance by the Contractor of the work.
6. **Contract Term:** The contract shall begin upon contract approval and terminate upon completion of work.

7. **Change Orders:** After the contract is awarded, additional purchases or modifications may be made under the contract, or the terms of the contract may be extended, without rebidding the materials, supplies, services or equipment involved, provided that the change order:
 - A. Is not of such a size or nature as to undermine the integrity of the original Bidding process; and
 - B. Is germane to the original contract; and
 - C. Does not exceed twenty percent (20%) of the contracted amount; and
 - D. It is approved by the Board of Trustees or by the Village Administrator, or his/her designee for change orders that are not greater than twenty-five thousand dollars (\$25,000.00).

8. **Compliance with Laws and Regulations:** In addition to the Bid and performance bonds set forth above, the Contractor must furnish and pay for satisfactory any other security required by law or by the specifications for this particular project. Upon receipt of the performance bond, the Village will return the Bid bond to the Contractor.
 - A. The Contractor must comply with all applicable laws prerequisite to doing business in the state.
 - B. The Contractor must have a valid Federal Employer Tax Identification Number or Tax Identification Number (for individuals).
 - C. The Contractor must provide a Statement of Compliance with provisions of the State and Federal Equal Opportunity Employer requirements.
 - D. The Contractor must provide evidence of any professional or trade license required by law or local ordinance for any trade or specialty area in which the Contractor is seeking a contract award. Additionally, the Contractor must disclose any suspension or revocation of such license held by the company, or of any director, officer or manager of the company. Any material changes to the Contractor's status, at any time, must be reported in writing to the Village within 14 days of its occurrence. Failure to comply with this requirement is grounds for the Contractor to be deemed non-responsible.

9. **Independent Contractor:** There is no employee/employer relationship between the Contractor and the Village. Contractor is an Independent Contractor and not the Village's employee for all purposes, including, but not limited to, the application of the Fair Labors Standards Act minimum wage and overtime payments, Federal Insurance Contribution Act, the Social Security Act, the Federal Unemployment Tax Act, the Worker's Compensation Act (820 ILCS 305/1, *et seq.*). The Village will not (i) provide any form of insurance coverage, including but not limited to health, worker's compensation, professional liability insurance, or other employee benefits, or (ii) deduct any taxes or related items from the monies paid to Contractor. The performance of the services described herein shall not be construed as creating any joint employment relationship between the Contractor and the Village, and the Village is not and will not be liable for any obligations incurred by the Contractor, including but not limited to unpaid minimum wages and/or overtime premiums, nor does there exist an agency relationship or partnership between the Village and the Contractor.

10. **Approval and Use of Subcontractors:** The Contractor shall perform the Services with its own personnel and under the management, supervision, and control of its own organization unless otherwise approved by the Village in writing. All subcontractors and subcontracts used by the Contractor shall be at the discretion of the Village and in advance by the Village. The Village's approval of any subcontractor or subcontract shall not relieve the Contractor of full responsibility and liability for the provision, performance, and completion of the Work in full compliance with, and as required by or pursuant to, this Contract. If the Contractor chooses to use subcontractors to perform any of the Work, the Work performed under any subcontract shall be subject to all of the provisions of this Contract in the same manner as if performed by employees of the Contractor. Every reference in this Contract to "Contractor" shall be deemed to also apply to all subcontractors of the Contractor. Every subcontract entered into by the Contractor to provide the Work, or any part thereof shall include a provision binding the subcontractor to all provisions of this Contract.

If any personnel or subcontractor fails to perform the part of the Work undertaken by it in a manner satisfactory to the Village, the Contractor shall immediately upon notice from the Village remove and replace such personnel or subcontractor. The Village shall have no claim for damages, for compensation in excess of the contract price, or for a delay or extension of the contract time as a result of any such removal or replacement.

11. **Assignment:** Neither the Village nor the Contractor shall assign or transfer any rights or obligations under this Agreement without the prior written consent of the other party.

12. **Governing Law:** This Contract and the rights of Owner and Contractor under this Contract shall be interpreted according to the internal laws of the State of Illinois. The venue for any action related to this Contract will be in the Circuit Court of Kendall County, Illinois.

13. **Changes in Law:** Unless otherwise explicitly provided in this Contract, any reference to laws shall include such laws as they may be amended or modified from time to time.

14. **Time:** The Contract Time is of the essence of this Contract. Except where otherwise stated, references in this Contract to days shall be construed to refer to calendar days.

15. **Termination:** The Village shall have the right at any time and for any reason (without any penalty) to terminate, in whole or in part, this Contract, provided that the Village shall provide Contractor at least thirty (30) days' prior written notice of such termination whereupon this Agreement shall automatically terminate immediately after the 31st day.

A. When this contract, or any portion hereof, is terminated or canceled by the Village, and the Contractor released before all items of work included in this contract has been completed, payment may be made be prorated as a percentage of completion of the actual work at contract unit prices, and no claims for loss of anticipated profits or other damages will be made and are hereby waived.

B. Termination of a contract, as stated above, will not relieve the Contractor or his/her surety of the responsibility of replacing defective work or materials.

16. **Additional Items:** The Contractor hereby:

- A. Certifies that it is not barred from Bidding or contracting with the Village as a result of a violation of either Paragraph 33E-3 (Bid rigging) or 33E-4 (Bid rotating) of Act 5, Chapter 720 of the Illinois Compiled Statutes regarding criminal interference with public contracting; and
- B. Swears under oath that it is not delinquent in the payment of any tax administered by the Illinois Department of Revenue as required by Chapter 65, Act 5, paragraph 11-42.1 of the Illinois Compiled Statutes; and
- C. States that it has a written sexual harassment policy as required by the Illinois Human Rights Act (775 ILCS 5/2-105(A) (4) a copy of which shall be provided to the Village upon request; and
- D. Agrees to comply with the requirements of the Illinois Human Rights Act regarding Equal Employment Opportunities as required by Section 2-105 of the Illinois Human Rights Act (775 ILCS 5/2-105) and agrees to comply with the Equal Employment Opportunity Clause, Section 750, Part 750, Chapter X, Subtitle B of Title 44 of the Illinois Administrative Code incorporated herein by reference; and
- E. Agrees to comply with the civil rights standards set forth in Title VII of the Civil Rights Act as mandated in Executive Order No. 11246, U.S.C.A. Section 2000e n.114 (September 24, 1965); and
- F. Agrees to comply with the Substance Abuse Prevention on Public Works Projects Act (820 ILCS 265/1 et seq.) if this project is a “public work” within the meaning of the Illinois Prevailing Wage Act (820 ILCS 130/.01 et seq.) and prohibit substance abuse while performing such work and has a substance abuse prevention program; and
- G. Agrees to provide a drug-free workplace pursuant to the Drug-Free Workplace Act (30 ILCS 580/1 et seq.) (25 or more employees under a contract of more than \$5,000 or for individuals only when greater than \$5,000); and
- H. Agrees to comply with the Employment of Illinois Workers on Public Works Act (30 ILCS 570/0.01 et seq.) and employ Illinois laborers if at the time of this contract is executed or if during the term of this contract there is excessive unemployment in Illinois as defined in the Act.

CONTRACT SIGNATURES

IN WITNESS WHEREOF the parties hereto have executed or caused to be executed by their duly authorized agents, this contract in DUPLICATE, each of which shall be deemed original, on the day and year first written.

**Village of Oswego, Illinois,
a municipal corporation**

CONTRACTOR:

By: _____
Village President

By: _____
Signature

Print Name and Title

Attest:

Village Clerk

Attest:

Witness

BID COST SHEET

The undersigned, having examined the specifications, and all conditions affecting the specified project, offer to furnish all services, labor, and incidentals specified for the price below.

I (We) propose to complete the project as more fully described in the specifications subject to detailed pricing on the included 2023 Sanitary Sewer CCTV Project Bid Tab contained in Appendix B resulting in a total proposed amount of:

Dollars (\$ _____).

Written dollar amount

Company Name

Printed Name of Authorized Representative

Title

Signature of Authorized Representative

Date

DETAIL EXCEPTION SHEET

Any exception must be clearly noted on this sheet. Failure to do so may be the reason for rejection of the bid. It is not our intention to prohibit any potential Contractor from bidding by virtue of the specifications, but to describe the material(s) and service(s) actually required.

The Village reserves the right to accept or reject any or all exceptions.

Contractor's exceptions are:

SUBCONTRACTOR LISTING

Provide the name, contact information, and value of work for each and every subcontractor which will be employed on this project.

Subcontractor No. 1

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Value of Work

Nature of Work

Subcontractor No. 2

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Value of Work

Nature of Work

Subcontractor No. 3

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Value of Work

Nature of Work

REFERENCES

Enter below current business references for whom you have performed work similar to that required by this bid.

Reference No. 1

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Dates of Service

Nature of Work

Reference No. 2

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Dates of Service

Nature of Work

Reference No. 3

Business Name

Address

City, State, Zip Code

Contact Person

Telephone Number

Dates of Service

Nature of Work

CONTRACTOR BID AGREEMENT

TO:
Village of Oswego
100 Parkers Mill
Oswego, IL 60543

Project Name: _____

The undersigned Bidder, in compliance with your advertisement for Bids for work as specified, and related documents prepared by or at the direction of the Village of Oswego, Owner, and being familiar with all conditions surrounding the work, including availability of labor and material, do hereby propose to furnish materials, labor, equipment, and services and pay for same and shall perform all work required for the completion of the Project, in accordance with the Contract documents and at the price provided.

Bidder certifies this Bid to be for the project described in the Instruction to Bidders document and to be in accordance with plans, specifications, and Contract Documents, including the invitation for Bids.

In no event shall any delays or extensions of time be construed as cause or justification for payment of extra compensation to the Contractor. Any claims for an increase of the Contract time shall be made in writing to the Village within seven (7) days of the cause.

Company Name

Address

City, State, Zip Code

Phone Number

Email Address

Printed Name of Authorized Representative

Title

Signature of Authorized Representative

Date

2023 SANITARY SEWER CLEANING AND TELEVISIONING PROGRAM
VILLAGE OF OSWEGO

ILLINOIS

JUNE 2023

I hereby state that these Contract Documents were prepared under my direct supervision and that I am a duly Registered Professional Engineer under the laws of the State of Illinois.



K. S. Archana

(Expiration Date: November 30th, 2023)

Professional Design Firm Registration 184.000813-0002 (Expiration Date: April 30th, 2025)

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STANDARDS

Construction provisions shall follow the “Standard Specifications for Road and Bridge Construction”, adopted January 1, 2022 (referred to hereinafter as the Standard Specifications); the “Supplemental Specifications and Recurring Special Provisions”, adopted January 1, 2023; the latest edition of the “Illinois Manual on Uniform Traffic Control Devices For Streets and Highways” (IMUTCD); the “Standard Specifications for Water and Sewer Construction in Illinois”, (referred to hereinafter as the Water and Sewer Specifications), latest edition; American Water Works Association (AWWA); the VILLAGE’s front end Contract Documents; VILLAGE Ordinances, which apply to and govern the proposed improvement project and in case of conflict with any part or parts of said specifications, the said Special Provisions shall take precedence and govern.

Any reference to standards throughout the plans or Special Provisions shall be interpreted as the latest standard of the Department of Transportation.

DEFINITIONS

Contractor. The individual, firm, partnership, joint venture, or corporation contracting with the VILLAGE OF OSWEGO for performance of the prescribed work.

Department, Owner or Village. The Village of Oswego, Kendall County, Illinois.

Engineer. The authorized representative of the Village of Oswego will be in immediate charge of the engineering details of a construction project.

SCOPE OF WORK

The Contractor shall provide all supervision, labor, equipment, and materials to complete the project. The primary purposes of this project are to provide sewer cleaning to ensure a clean pipe free of obstructions and sewer televising to provide full-color digital video, database, and reports to be utilized by the Village of Oswego (Village) and RJN Group, Inc. (Engineer) to evaluate maintenance and rehabilitation options.

The video inspection shall determine and document severity and location for the following elements:

- Condition/location/defects for all visible pipe/joints/manhole surfaces.
- Location of structural defects at joints and other pipe surfaces.
- Inflow & infiltration (I/I).
- Confirm size and material of construction.
- Sewer main and service connections.
- Obstructions, such as roots, grease, debris and cross-bores.

- All other requirements of **NASSCO PACP Version 7.0.4**

LOCATION AND DESCRIPTION OF PROJECT

The work will be located in the area bounded to the north and west by Waubonsie Creek, to the southeast by US Highway 34, and to the East by Douglas Rd. This area will consist of approximately 24,000 linear feet of sewer cleaning, and televising (varying from 6"-12" diameter) and restoration and other related and incidental work.

SITE EXHIBITS

The Engineer will provide one hard copy and a pdf digital copy of the Village's GIS map for the area. Note that such maps may not be to scale and do not represent the accurate location of all sewers. Unmapped sewer mains within the designated inspection area shall be inspected and paid for at the contract unit price. The Contractor shall track completion progress on the map and note the location of any manholes or pipes not shown on the original map. All field maps shall be turned in to the Engineer with notes regarding any differences between what is found in the field and on the maps.

QUALIFICATIONS

All bidders shall be experienced in the field of municipal sewer cleaning and televising. Bidders must have successfully completed at least (2) projects of equal or greater size in the past (5) years. The VILLAGE will require the bidder to submit a list of all available cleaning and inspection equipment, along with a list of current contracts and previous contracts of equal or greater value, to determine if the CONTRACTOR can meet the requirements of the project and schedule.

GENERAL SPECIAL PROVISIONS

PROJECT TIMING

Construction is scheduled to begin upon the proper execution of the contract documents, which includes the submission of insurance and bonds. The substantial completion for the project shall be **60 calendar days** after mobilization. The final completion for all other ancillary work, including landscaping restoration or plantings, not including, any additional work, shall be **90 calendar days** after mobilization. Under no circumstances shall the final completion extend beyond **December 15, 2023**.

CONSTRUCTION SCHEDULE

At the project pre-construction meeting, the Contractor shall submit for review and approval by the Engineer a detailed construction schedule that shall clearly indicate the sequential procedure of work proposed to be followed to complete the work as required by the contract documents. In preparing the construction schedule, the Contractor shall follow the required completion date, calendar days, or additional Special Provisions as specified relating to the construction schedule.

The construction schedule shall depict all work components and essential activities, the time required for the completion of each of the activities, and the sequence and interdependence of each of the activities in a project timetable which will translate each project day into an ordinary calendar day. The Contractor shall maintain the construction schedule and shall submit an updated schedule to the Engineer on a weekly, biweekly, or monthly basis as determined by the Engineer. No separate payment will be made to the Contractor for the creation and maintenance of the construction schedule.

The Contractor shall provide construction-related information in a format consisting of an E-mail, letter, or fax acceptable to the Engineer. The Contractor shall assume that this information shall be provided on a weekly basis during construction and may change to a shorter time frame based on construction activity changes or a longer time frame based on construction inactivity. The Engineer shall determine the time frame and format to be provided by the Contractor.

TERMS OF CONTRACT

Upon award, the term of this Contract shall be in full force to the right of the VILLAGE OF OSWEGO (hereafter Village) to cancel and terminate the same at any time by giving a 30-day notice in writing to the Contractor. In the event of such cancellation, the Contractor shall be entitled to receive payment for services and work performed, and materials, supplies, and equipment furnished under the terms of the Contract prior to the effective date of such

cancellation but will not be entitled to receive any damages on account of such or any further payment whatsoever.

CHANGES IN SCOPE OF WORK

The Village reserves the right to make, in writing, at any time during work, changes in quantities, alterations in work, and the performance of extra work to satisfactorily complete the project. Such changes in quantities, alterations, and extra work shall not invalidate the contract nor release the surety, and the Contractor agrees to perform the work as altered.

If the alterations or changes in quantities significantly change the character of the work under the contract, whether or not changed by any such different quantities or alterations, an adjustment, excluding loss of anticipated profits, will be made to the contract. The basis for the adjustment shall be agreed upon prior to the performance of the work. If a basis cannot be agreed upon, then an adjustment will be made either for or against the Contractor in such amount as the Engineer may determine to be fair and equitable.

The term "significant change" shall be construed to apply only when the character of the work as altered differs materially in kind or nature from that involved or included in the original proposed construction or when a major item, defined as an item whose total original contract cost plus any additions exceeds ten percent of the total original contract amount, is increased in excess of 125 percent or decreased below 75 percent of the original contract quantity.

Refer to Article 104.02 of the Standard Specifications for further details.

QUANTITIES AND PAYMENTS

The total quantities of work included in the bid tab portion of these bidding documents are approximate. Payment shall be based on actual measured completed quantities, which shall be based on documented camera footage and VILLAGE verification via GIS maps.

All work, which will be inspected and accepted by the ENGINEER, will be approved for payment, less 10% retainage which shall be released at the end of the project in the form of a final payout, once all punch list items have been completed satisfactorily. The CONTRACTOR shall provide monthly bills for work completed, which must be verified by submitted video and electronic reports. A detailed breakdown of segments cleaned and televised for each invoice shall be required including MH to MH segment, pipe size, length and date work was performed.

The VILLAGE will base payment on unit bid prices and will not pay for downtime, overtime, or travel time. The cost for any specialty items, which are outside the scope of the specifications, shall be negotiated prior to performing the work.

LIQUIDATED DAMAGES

Should the Contractor fail to complete the work, including cleaning up, to the point of final acceptance of the work by the Engineer within the time specified in the Contract Documents for the Date of Completion and/or Date(s) of Substantial Completion, and agreed upon by the Contractor by accepting the Contract, or within such extra time as may be allowed in accordance with the Contract Documents, there shall be deducted from any monies due the Contractor, or that may become due the Contractor, the sum(s) of \$750.00 per day for each and every calendar day, including Sundays and holidays, that the work remains uncompleted.

This sum shall be considered and treated not as a penalty but as fixed, agreed, and liquidated damages due the Village from the Contractor by reason of inconvenience to the public, added cost of supervision, and other items which may have caused an expenditure of funds resulting from his failure to complete the work within the time specified.

The Village shall charge the Contractor and may deduct from partial and final payments for the project, for all Engineering and Inspection expenses incurred by the Village in connection with any work accomplished after the Date of Completion specified in the Contract Documents.

Permitting the Contractor to continue and finish the work, or any part of it after the time fixed for its completion, or after the date to which the time of completion may have been extended, shall in no way operate as a waiver on the part of the Village of any of its rights under the Contract.

CONSTRUCTION OPERATIONS

In order to minimize the effect of construction noise on the area surrounding the improvement, the Contractor and his subcontractors shall comply with the following requirements. Any changes to this schedule will not be accepted unless approved by the Engineer.

- All engines and engine driven equipment used for hauling or construction shall be equipped with an adequate muffler in constant operation and properly maintained to prevent excessive or unusual noises. Any machine or device or part there of which is regulated by or becomes regulated by Federal or State of Illinois noise standard shall conform to those standards.
- Construction operations shall be confined to the daylight hours between 6:00 AM and 8:00 PM Monday through Friday, between 7:00 AM and 6:00 PM on Saturday, and between 9:00 AM and 5:00 PM on Sunday. No work of any kind shall be done on Sundays in residential areas unless previously approved by the Engineer. These time restrictions shall not apply to maintenance or operation of safety and traffic control devices such as barricades, signs, and lighting, or to construction of an emergency nature. If the Contractor requires additional time to complete a portion of the work on any given day

or if he foresees the need to work extended hours for a number of days to comply with the construction schedule, he must receive the approval of the Engineer.

- The Contractor shall take all precautions necessary to protect the general public and his employees from hazardous locations that might occur within the limits of the work. **The Village is not responsible for site safety. The Bidder is solely and exclusively responsible for construction means, methods, technologies, and site safety.**
- The Contractor shall schedule and conduct his operations so that the closure time of existing driveways along the route of the improvement is kept to a minimum. All homeowners shall be given a minimum 24 hours written notice prior to initial removal of their driveway apron. The Contractor shall make every effort to keep driveways open including temporary grading and placement of gravel.
- If items of work have not been provided for in the Contract, or are not otherwise specified for payment, such items will be paid for in accordance with Article 109.04 of the Standard Specifications.

PERMIT REQUIREMENTS

At this time, the Engineer & Village do not anticipate any required permits from other agencies. If, during the project, the Contractor, Village & Engineer agree that such a permit is required, The Contractor shall execute all necessary permit forms, provide, and pay for any fee and bond requirements, and execute and comply with all insurance and performance guarantee requirements. The cost for any permit requirements shall be negotiated prior to performing the work and/or getting the permits.

MOBILIZATION

Mobilization shall be according to Section 671 of the Standard Specifications except as modified herein.

Revise Article 671.02, Basis of Payment, to read:

“671.02 Basis of Payment. Mobilization will not be paid for separately but shall be included in the unit bid prices of the items for which this work applies.”

INSPECTION

All phases of the improvements will be subject to inspection by representatives of the Village's Engineering and Public Works Department, or Village authorized Consulting Engineer. Projects

will not be accepted by the Village without the final approval of the Village 's Engineering and Public Works Department.

The Contractor shall be bound by these specifications and by all Village ordinances and codes.

TRAFFIC CONTROL AND PROTECTION

The traffic control and protection for this project shall be performed in accordance with the included traffic control plans and Sections 701 Traffic Control and 702 Traffic Control Devices of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction," latest edition and the requirements stated herein. The number, type, color, size and placement of all traffic control devices shall be according to the Illinois Department of Transportation's "Manual on the Uniform Traffic Control Devices for Streets and Highways" and the Illinois Department of Transportation's "Quality Standard for Work Zone Traffic Control Devices." The Contractor shall provide all coordination with the Village for this item.

Special attention is called to Articles 107.09 and 107.14 of the Standard Specifications, Section 701 of the Standard Specifications, and the following Highway Standards latest version:

- 701006: Off-Road Operations, 2L, 2W, 15' to 24" From Pavement Edge
- 701501: Urban Lane Closure, 2L, 2W, Undivided
- 701901: Traffic Control Devices

Forty-eight (48) hours prior to closing of a traffic lane, the Contractor shall notify responsible municipal and county authorities and obtain all permits (if required) and then comply with all regulations for erecting barricades and warning signs and maintain them during the execution of the work.

Traffic control and safety shall be as specified under Section 648 of the Illinois Department of Transportation "Standard Specifications for Road and Bridge Construction in Illinois," latest edition.

Contractor shall provide a Traffic Control Plan for approval by the Village as part of the submittals.

The Contractor shall provide names and phone numbers of the individuals who can be contacted on a twenty-four (24) hour basis to handle barricading or other problems relating to the construction activity. These emergency response persons shall be capable of responding within 1 hour after notification by the Owner. If there has been no response within 1 hour after notification, the Village will respond at a cost of \$100.00 per hour (minimum charge of two hours plus materials). This charge will be deducted from payments to the Contractor.

Appendix A

At all times during which men/women are working where two-way traffic is to be maintained over one lane of pavement, the Contractor shall furnish certified flagmen to protect his workmen and to warn and direct traffic. Two flagmen will be required for each separate operation. Barricades used for channelization or delineation and warning signs shall be sequentially placed in the direction of the traffic flow and removed in reverse order. Lane closure signs and flagmen signs shall be erected prior to barricades and/or cones. The signs shall remain erected until such time as all traffic control devices have been removed from the pavement.

Vehicular access to all private driveways and all local streets shall be maintained throughout the Contract. All homeowners shall have access to their driveways each evening, except during concrete driveway paving and concrete sidewalk construction across a driveway. Contractor is to be aware of residents with special needs and provide accommodation accordingly.

If Contractor's work is anticipated to obstruct access to a facility, Contractor is responsible for notifying the affected property 48 hours in advance.

This work shall be considered incidental to the Contract and shall not be compensated for separately.

HOLIDAYS

New Year's Day
President's Day
Good Friday
Easter
Memorial Day

Independence Day
Labor Day
Veteran's Day
Thanksgiving Day
Christmas Day

CONSTRUCTION SAFETY AND HEALTH STANDARDS

It is a condition of this contract and shall be made a condition of each subcontract entered into pursuant to this contract that the Contractor and any Subcontractor shall not require any laborer or mechanic employed in performance of that contract to work in surroundings or under working conditions which are unsanitary, hazardous or dangerous to their health or safety, as determined under Federal Construction Safety and Health Standards.

PUBLIC CONVENIENCE AND SAFETY (D-1)

Effective: May 1, 2016
Revised: July 15, 2016

Add the following to the end of the fourth paragraph of Article 107.09:

“If the holiday is on a Saturday or Sunday, and is legally observed on a Friday or Monday, the length of Holiday Period for Monday or Friday shall apply.”

Add the following sentence after the Holiday Period table in the fourth paragraph of Article 107.09:

“The Length of Holiday Period for Thanksgiving shall be from 5:00 AM the Wednesday prior to 11:59 PM the Sunday After”

NOTICE TO RESIDENTS

The Contractor shall provide and hang notices on doors of all residences and businesses with service lines connected to sewer mains to be cleaned. Notices shall be distributed 48 hours in advance of the work. The Contractor shall include the contact information for the onsite field supervisor as the primary contact for affected residents. The Village shall review and approve the notice format and text at the beginning of the project prior to distribution. All work required for notification to residents shall be incidental to the contract.

WATER USAGE

The Village ordinance states the following regarding water usage. Each user of water from Village fire hydrants, there shall be charges assessed as follows:

1. Deposit: Seven hundred dollars (\$700.00) for the use of a three inch (3") Village hydrant meter.
2. Water Usage Charge: The charge for water usage shall be twice the amount of the normal Village of Oswego water rate per 100 cubic feet that is charged to regular water customers.

The Owner intends to waive the water usage charge for this project. A meter deposit will be required.

It is the responsibility of the Contractor to find out from the Owner any project specific information regarding the water meter rental, reporting, billing, and expense information. Before the issuance of a meter, the Contractor may be required to have their water vehicle inspected and tested by the Owner. The Contractor's vehicle must have a fixed air gap, or one fabricated, in order to pass inspection. The Owner must be contacted in order to schedule this inspection. Only hydrant wrenches approved by the Owner shall be used when securing water from hydrants.

The location of approved hydrants to be accessed for water usage will be determined by the Owner. The Contractor must contact the Owner to determine the closest approved hydrant to the project site. Under no circumstance shall water be obtained from an unapproved hydrant or

facility without the Owner's consent. Determination of available hydrants is encouraged before bidding. The cost to comply with these restrictions shall be at no additional expense to the Owner or contract.

The Contractor shall be held responsible for all damages to the water system and appurtenances during its use including and not limited to water pipes, valves, hydrants, water meters, public and private property. The Owner will return a meter deposit upon the return of the water meter in satisfactory condition. The Owner will not make final payment until the water meter has been returned in satisfactory condition.

SEWER FLOW CONTROL

This work shall include control of sanitary sewer flow during closed circuit television (CCTV) inspection, sewer cleaning operations, manhole rehabilitation, manhole installation and all other sewer maintenance, inspection or construction activities. The Contractor shall be fully responsible for maintaining sewer service during these operations and shall not be allowed to backup or flood any sewer system user, building or property. The Contractor shall be solely liable for property damages that result from the work being performed.

During sewer cleaning operations, only 25% of the internal pipe diameter flow or "limited sewage flow" is acceptable. Flows shall be reduced by plugging, blocking, manually operating pump stations or bypass pumping. During sewer televising operations, NASSCO Standards must be followed and only 5% of the internal pipe diameter flow is acceptable. During manhole installation, manhole rehabilitation and point repairs, no flows will be allowed.

Since complete stoppage or bypassing of flow may be required during installation of new sewers, point repairs and manhole rehabilitation work, the Contractor may be required to submit drawings and complete design data showing methods and equipment to be utilized in bypass and dewatering operations. The bypass plan shall include the following information:

1. Location of temporary sewer plugs and bypass discharge lines indicated on plans
2. Capacities of pumps, prime movers, and standby equipment
3. Type of standby power source
4. Traffic control plan

The Contractor shall indicate where and when flow bypassing is anticipated and provide a typical set-up as a submittal. When pumping and bypassing is required, the Contractor shall furnish all temporary pumps, conduits, and other equipment to divert the flow of sewage around the sewer section in which work is to be performed. The bypass system shall have enough capacity to handle existing flow plus additional higher flows that may occur during peak flow periods or from precipitation. The Contractor shall construct bypass system of material to prevent leakage during pumping operation.

Appendix A

The Contractor shall equip all engines with mufflers and/or enclose to keep noise level less than 50 decibels, or 10 decibels above ambient noise levels when measured at building closest to noise source.

The Contractor shall maintain enough labor, equipment and materials on site to ensure continuous and successful operation of bypass and dewatering systems including the following:

1. Always keep standby pumps fueled and operational.
2. Maintain on site enough valves, tees, elbows, connections, tools, sewer plugs, piping, and other parts or system hardware to ensure immediate repair or modification of any part of system, as necessary.
3. Provide piping, joints and accessories designed to withstand at least twice the maximum system pressure or 50 psi (345 kPa), whichever is greater.

In areas where flows are bypassed, all discharge flow shall be returned to the sanitary sewer. No bypassing to ground surface, receiving waters, storm drains, or bypassing which results in groundwater contamination or potential health hazards shall be permitted.

In the event sewage is released into a storm drainage system or street, the Contractor shall immediately stop the release, notify IEPA, and take all necessary actions to clean up and disinfect spillage to satisfaction of the Engineer.

During plugging or bypass pumping operations the Contractor shall utilize sewer plugs specifically designed so that all or any portion of sewage can be released. During sewer flow control operations, reduce flow to comply with requirements as describe above. After cleaning, inspection, installation or rehabilitation work has been completed, restore the flow to normal. All plugging, bypass pumping and sewer flow control operations shall be considered incidental to the Contract and shall not be compensated for separately.

Basis of Payment. The cost of sewer flow control will not be paid for separately but shall be considered as included in the unit bid prices of the contract, and additional compensation will not be allowed.

EQUIPMENT

The Contractor is responsible to provide and maintain all industry-standard equipment required to complete the project. Each crew shall have a vacuum or jetter combination truck equipped with a high velocity gun for washing and scouring manholes and a TV truck capable of seating a minimum of 2 people including the Village and Engineer. For easement work, the Contractor shall be required to have off-road equipment as necessary to access off-street sewer areas.

If any equipment gets stuck in the sewer and needs to be dug up, the Contractor is solely responsible for the cost of the dig, complete restoration and repair of sewer and any other costs associated with the retrieval of the equipment.

1. Hydraulic Sewer Cleaning Equipment Requirements:

- a. Hydraulic sewer cleaning equipment shall be the movable dam type constructed such that a portion of the dam may be collapsed during cleaning to prevent flooding of the sewer.
- b. The movable dam shall be the same diameter as the pipe being cleaned and shall provide a flexible scraper around the outer periphery to ensure total removal of grease.
- c. The Contractor shall take special precautions against flooding prior to using sewer cleaning balls or other equipment that cannot be collapsed instantly.

2. High Velocity Hydro-Cleaning Equipment Requirements:

- a. A minimum of 700 feet of high-pressure hose.
- b. Two or more high velocity nozzles capable of producing a scouring action from 10 degrees to 45 degrees in all size lines to be cleaned.
- c. A high velocity gun for washing and scouring manhole walls and floor with the capability of producing flows from a fine spray to a long-distance solid stream.
- d. A 1,500-gallon minimum water tank, auxiliary engines and pumps, and a hydraulically driven hose reel.
- e. Equipment operating controls located above ground.
- f. Minimum working pressure of 1,000 pounds per square inch at a 50 gpm rate.

3. Mechanical Cleaning Equipment Requirements:

a. Bucket Machines:

- i. Furnish with buckets in pairs and with enough dragging power to perform the work efficiently.
- ii. Use V-belts for power transmission or have an overload device. No direct drive machines will be permitted.
- iii. Be equipped with a take up drum and a minimum of 500 feet of cable.

b. Rodding Machines:

- i. Either sectional or continuous.
- ii. Hold a minimum of 750 feet of rod.
- iii. The rod shall be specifically heat-treated steel.
- iv. The machine shall be fully enclosed and have an automatic safety throw out clutch or relief valve.

- c. Lumberjack & Impact Cutters
 - i. Lumberjack high speed low torque multi-purpose cutters
 - ii. Speeds up to 50,000 rpm
 - iii. Paikert low-speed, high-torque auger cutter
- 4. Closed Circuit Television Equipment:
 - a. Television equipment shall include television camera, television monitor, cables, power source, lights and other equipment necessary to the televising operation. The television camera shall be specifically designed and constructed for operation in connection with sewer inspection and pipe joint sealing and testing.
 - b. Camera and lighting quality shall be suitable to provide a clear, continuously in-focus picture of the entire inside periphery of the sewer pipe for all conditions encountered during the work. The camera shall be able to operate efficiently in 100% humidity conditions.
 - c. The TV camera shall have a rotating head with a high-resolution lens, capable of spanning 360-degrees circumference and 270-degrees on horizontal axis to televise sewer lines 6-inch diameter and larger. Focal distance shall be adjustable through a range of 1 inch to infinity. The purpose of the rotating head camera is to view all service connections, and to locate all defects, as well as any questionable problem areas. The camera shall be zoom capable.
 - d. The TV camera shall be equipped with remote control devices to adjust the light intensity and at a minimum one thousand (1,000) feet of continuous cable shall be provided. The camera shall be able to transmit a continuous image to the television monitor as it is being pulled through the sewer segments. Lighting system shall be adequate for quality pictures. A reflection in front of the camera may be required to enhance lighting.
 - e. For manholes that may be difficult to access or where lamp holes are present in the place of manholes, the Contractor shall have available a self-propelled crawler transporter on which to mount the color television camera so as to be able to inspect the sewer as required.
 - f. The TV camera shall be able to provide a continuous image of no less than ninety-five percent (95%) of the internal pipe surface for sewers 8" through 48" in diameter. Maximum acceptable speed of camera through sewer shall be thirty (30) feet per minute.
 - g. The camera, television monitor and other components of the video system shall be capable of producing a minimum 500-line resolution color video picture.
 - h. Electronic media shall visually display and include a narrative noting:
 - i. Date, time of day, and depth of flow.
 - ii. Sewer segment number "from manhole to manhole".

- iii. Distance from upstream manhole.
 - iv. Locations of service connections into sewer.
 - v. Location of obstructions, structural defects, joint deterioration, leakage or evidence thereof, and other abnormalities with respect to the sewer condition and distance in feet from the upstream manhole centerline.
- i. The remote reading footage counter shall be accurate to two-tenths of a foot over the length of the section being inspected and shall be mounted over the television monitor.
 - j. Digital images should be provided in the common format accessible by Windows Media Player or approved equal.

DAMAGE TO PROPERTY:

The Contractor shall be responsible for taking all necessary precautions to prevent surcharging or other damage to private residences / businesses. Any damage to public or private property caused by the cleaning or televising operation shall be the sole responsibility of the Contractor. The Contractor shall be responsible for cleaning required as the result of sewer backups caused by the cleaning or televising operation. Any repairs, restoration, or cleaning that is necessitated by the project shall be the sole responsibility of the Contractor.

CLEANING OF SEWERS (GENERAL):

The bidder shall provide all equipment necessary for the proper high pressure water jetting of the sewers prior to the inspection by closed circuit color television services. The purpose of the sewer cleaning operation is to remove such accumulation of sediment, debris, blockages, mineral deposits, bricks, grease, etc. to permit a thorough and complete examination of the condition of the sewer through internal closed circuit color television inspection.

CLEAN UP

The cost of cleanup operations shall be spread evenly through the bid items on the proposal. Clean up shall consist of removing all debris from the job site, and removal of all excess dirt, pipe pieces, CIPP liners, lumber scraps, paper cups, etc., left by the Contractor's forces. Clean up shall be performed as the work progresses, and a final clean up shall be done after all operations are completed.

REMOVAL AND DISPOSAL OF DEBRIS

The CONTRACTOR shall remove all sludge, dirt, sand, rocks, grease and other solid or semisolid material resulting from the cleaning operation from the downstream manhole of the sewer segment being cleaned prior to beginning television inspection. Passing material from sewer segment to sewer segment shall not be permitted. In the event that sludge, dirt, sand, rocks, grease and other solid or semisolid material resulting from the cleaning operation are observed and/or detected, as passing to downstream sewer segment(s), the CONTRACTOR shall clean such sewer segment(s) at no additional cost. Extra precautions must be made to prevent debris from entering lift station wet wells. The CONTRACTOR is responsible for any damage to the pumps from debris entering a wet well due to nearby cleaning operations.

Debris catchers or baskets will be required to be set in the channel of the downstream manhole during all cleaning operations. Additionally, a "Vactor" or similar vacuum truck must be onsite during all cleaning operations and will be required to be setup on the downstream manhole to pull debris out of the sewer during all cleaning operations. As the sewer jet or other cleaning equipment is in use, the vacuum equipment shall be running in order to prevent debris from moving further downstream. The use of the vacuum truck does not constitute heavy cleaning.

When bucket machines are being used, a suitable container shall be provided to receive the materials dumped from the buckets. The CONTRACTOR at his discretion may use an approved container (roll off) for the storage of debris removed from the line segments. All material resulting from the cleaning operations shall be removed from the site when the container has reached 3/4 of its volume, or at least once each working day and disposed of at the permitted disposal site.

Disposal of all sewer debris shall be the responsibility of the CONTRACTOR and shall be done in accordance with the Illinois Environmental Protection Agency (IEPA) and all other regulating agencies. Under no circumstances shall the removed sewage or solids be dumped onto streets or into ditches, catch basins, storm drains, sanitary, combined sewer manholes or otherwise improperly disposed. Improper disposal of sewage or solids removed from the sewers may subject the CONTRACTOR to fines imposed by the VILLAGE. In addition, the CONTRACTOR may be subject to civil and/or criminal penalties for improper disposal under the law. Removal and disposal of all sewer debris shall be incidental to the contract and will not be paid for separately.

PROTECTION OF EXISTING DRAINAGE FACILITIES DURING CONSTRUCTION

Unless otherwise noted in the contract plans, the existing drainage facilities shall remain in use during the period of inspection.

Locations of existing drainage structures and sewers, if shown on the contract plans, are approximate. Prior to commencement of work, the Contractor, at his/her own expense, shall

determine the exact location of existing structures which are within the proposed construction site.

All drainage structures are to be kept free from any debris resulting from construction operations. All work and materials necessary to prevent accumulation of debris in the drainage structure resulting from construction operations shall be removed at the Contractor's own expense, and no extra compensation will be allowed.

Unless reconstruction or adjustment of an existing manhole, catch basin, or inlet is called for in the contract plans or ordered by the Engineer, the proposed work shall meet the existing elevations of these structures. Should reconstruction or adjustment of a drainage structure be required by the Engineer in the field, the necessary work and payment shall be done in accordance with Section 602 and Article 104.02 respectively, of the Standard Specifications.

Existing frames and grates are to remain unless otherwise noted in the contract plans or as directed by the Engineer. Frames and grates that are missing or damaged prior to construction shall be replaced. The type of replacements frame or grate shall be determined by the Engineer, and replacement and payment for same shall be in accordance with Section 604 and Article 104.02 respectively, of the Standard Specifications unless otherwise noted in the plans or special provisions.

RESTORATION - GENERAL

All damage to lawns shall be restored with topsoil and seeding. All lawn restoration shall be considered incidental. To minimize damage to lawns, Contractor shall utilize Duramats or other means (protective pads) to buffer equipment traveling across private property. Any equipment required for construction work located on lawns must be rubber-tired or rubber-tracked vehicles only.

Any claims for additional work must be presented to the Engineer immediately. Failure of the Contractor to notify the Engineer will be reason to deny any claims for extra work.

All work covered under this contract is subject to inspection by the Village of Oswego and the Engineer.

The Contractor is responsible for coordinating access to manholes located in private yards with the homeowners and this work shall be incidental to the contract.

SPECIAL PROVISIONS FOR CONTRACT ITEMS

This shall be a unit price contract and shall include all work mentioned in the Project's Plans and Specifications and any other work, not specifically mentioned, that is necessary for constructing the improvement in a skilled and professional manner. Any conflicts or omissions in the Plans or Specifications shall be brought to the attention of the Engineer. The Engineer's decision in resolving such matters shall be final. The Contractor shall in no manner take advantage of conflicts or omissions should they occur and it shall be the Contractor's responsibility to bring such components of the Contract to the attention of the Engineer so that they can be properly resolved.

The quantities bid upon in the Proposal are estimated quantities, except where an item is noted to be supplied "complete." The Contractor shall be paid for actual quantities, in place, as measured and agreed upon by the Engineer and Contractor. The Contractor shall be paid in full for items to be supplied "complete" when said item is finished, or at a percentage of the bid amount agreed upon by the Owner, Engineer and Contractor if the item is not complete.

ITEM #1 & #2- VIDEO INSPECTION WITH LIGHT CLEANING

Description. This item shall include all fieldwork necessary to obtain the required PACP V7.0.4 inspection data, PACP grading, MS Access Database and video inspection, including the recording of the unique Pipe Segment ID Number for all pipe sections. If upon starting a Video Inspection the line segment is determined to need heavy cleaning, the contractor shall notify the Engineer and obtain approval before performing heavy cleaning.

Where obstructions within the sewer line prevent the passage of televising equipment, the Contractor shall reset his equipment to pass through the sewer line section from the other end and thereby complete the inspection. No additional payment shall be made for reverse setups.

The jetter nozzle shall accompany the camera at all times. This will help ensure that the maximum area of pipe is visible.

Before the camera crawls into the pipe, the operator shall use a tape measure to confirm the diameter of the pipe. The measure down shall be recorded and included in the video.

Light Cleaning. This item includes sewer and adjacent manhole cleaning and shall include up to three (3) full passes with the jet hose to provide the industry standard 95% cleaning as required for the proper PACP V 7.0.4 recording of sewer observations. The purpose of this cleaning is to remove dirt, debris, rocks, broken pipe and any other accumulation within the pipe where it has

be determined through a visual inspection that only small amounts of debris exist within the sewer and cleaning would require not more than three (3) passes through the line with high pressure water jetting equipment. The use of a vactor truck or debris catcher is required in each downstream manhole in order to remove the debris and prevent it from passing further downstream. Should dirt or debris be observed and/or detected, in a manhole or sewer after cleaning, the Contractor shall re-clean said manhole and the adjacent downstream sewer segment(s) at no additional cost.

Sewer Televising. The bidder shall furnish all labor, electronic equipment and technicians schooled and licensed in PACP 7.0.4 format, to perform the closed-circuit television inspection of the sewers. Operation of the equipment is to be controlled from above ground with a skilled technician at the control panel in the television studio, controlling the movement of the television camera through the sewer in either direction one segment at a time.

The video operator(s) shall be Pipeline Assessment Certification Program (PACP) certified by the National Association of Sewer Service Companies (NASSCO) and will be required to show proof of PACP ID or certification before performing work on this project. Certification dates must be current including renewal every three years. Operators with EXPIRED PACP ID numbers will not be allowed to work on the project until they have undergone the renewal process. The Contractor shall provide copies of each equipment operator's Certification Number at the preconstruction conference.

The Contractor shall begin each inspection with an onscreen written and verbal explanation of the project name, a detailed description of the location, the manhole-to-manhole segment, the direction of flow, the direction of camera setup, and date. The depth (rim - invert) of each manhole shall be included on the report as well. A continuous footage counter shall be provided during the entire inspection and shall be used to accurately record the locations of defects, connections, or objects in the pipe. The counter shall be accurate to two tenths of a foot. Maintain verbal commentary to identify any item that is called out on the report.

All inspections shall begin and end in the center of the manhole. The start of the video shall NOT begin already in the pipe segment. At the end of each inspection, the Contractor shall pan the camera around the ending manhole to get a view of what it looks like for identification purposes as well as documenting all incoming pipes.

The camera shall be moved through the line in either direction at a uniform rate of 30 feet per minute, stopping when necessary to ensure proper documentation of the sewer's condition. The Contractor shall take all necessary measures to televise 95% of the internal surface of each sewer segment in its entirety. If dewatering with the jet truck, plugging, or bypass pumping is required to see 95% of the pipe, this shall be done at no additional charge to the Village.

If any obstruction in the sewer segment such as a protruding building lateral prohibits the passage of the television camera, the Contractor shall attempt to inspect the remainder of the sewer segments by making a reverse set up at the next downstream manhole. A tap which protrudes beyond ½” must be removed during television inspection or prior to lining operations. No additional payment shall be made for reverse setups.

All obstructions in the sewer segment that prohibit passage of the television camera shall be immediately reported to the Village by the Contractor referencing the location and nature of the obstruction.

The Contractor shall be responsible for any damage to public or private property resulting from his/her televising activities and shall repair or otherwise make whole such damage at no cost to the Village.

Digital Video Deliverables. Electronic media of all sections shall be provided to Village along with the respective television inspection field logs. TV field logs shall legibly show the location of each point of significance in relation to an identified manhole. Points of significance are, but not limited to the following: private service connections, unusual conditions, roots, storm sewer connections, sags, grease, broken pipe, presence of scale and corrosion, structural failures and other discernable features.

The Contractor shall provide a color digital video of all pipeline segments in “.mpeg” format on two external hard drives with USB 2.0 connections. **Each video shall be named according to the “upstream manhole number – downstream number.mpg” format. For example, a pipe segment video with an upstream manhole of 12345 and downstream manhole 67890 would be named “12345 - 67890.mpg”.** Separate MPEG-3 files and PDF reports with still images shall be created for each manhole-to-manhole pipe segment inspected.

Video recordings shall be one file per sewer line section and shall be included on the external hard drives submitted. Total drives submitted for final acceptance at the end of the project shall be two.

The pipeline inspection shall consist of identifying a location both within the pipe segment (physical location) and within the digital recording (video frame location) for each defect or observation. The use of time codes for defect location shall NOT be deemed equivalent or acceptable. The digital recording and inspection data is to be cross-referenced for instant access to any point of interest within the digital recording. The inspection information shall include the digital recording of video and audio, segment identification information (starting manhole, date, time, etc.) including a pointer from each observation to the digital recording (video frame number), and any accompanying digital still images (JPEG or BMP).

Any out-of-focus video recordings, or portions thereof, shall be cause for rejection of the video recording and will necessitate re-televising at the Contractor's expense. Televising shall be done one section at a time. Inspections shall be performed using NAASCO's PACP version 7.0.4. The sewer pipe video inspection reports must be saved with the PACP overview report.

Audio and video observation documentation is to be provided in the most up-to-date form of a NAASCO PACP (V7.0.4) coding methodology database. The PACP Version 7.0.4 data base shall include all header information as well as any observations recorded. Links to the videos and the .pdf format of the reports shall be included within the data base. This data base shall be updated monthly and shall contain every observation from the beginning of the project through current delivery date.

The deliverable video files shall be full-color, high-resolution, and shall include all pipe surfaces above the water line. At each lateral and connected service line, the camera shall stop, rotate, and record a clear image of the lateral or service line to determine condition and if it is active or inactive. The inspection and database shall be fully compatible with PACP V 7.0.4 format.

Televising Report Deliverables. The television inspection reports shall be provided both electronically in Adobe Acrobat Reader “.pdf” format as well as two bound hardcopies of the printed paper report. The file naming format shall follow a similar format to the video naming format. **Each inspection report shall be named according to the “upstream manhole number – downstream manhole number.pdf” format. For example, a pipe segment with an upstream manhole of 12345 and downstream manhole 67890 would be named “12345 - 67890.pdf”.**

The final report files, in paper and electronic pdf formats, shall include a still shot image of **every observation**. These detailed reports shall include the following information at a minimum:

- Project Name
- System Owner Name
- Survey Customer Name
- Contractor Name, Phone Number & Address
- Surveyor's Name & PACP Certification Number
- Date and Time of Televising
- Location (Street Name and Number)
- Address (nearest to each manhole)
- Rim to Invert (for both Upstream & Downstream Manholes)
- Pipe Segment ID Number
- Upstream Manhole Number & Downstream Manhole Number
- Weather
- Segment Length
- Joint Length

Appendix A

- Pipe Material
- Pipe Height (and Width if not Circular)
- Total Pipe Length
- Total Length Surveyed
- Flow Control
- Tape/Media Number
- Pre-Cleaning / Cleaning method
- Pipe condition observations (i.e. grease, roots, deposits, cracks, fractures, sags voids etc.)
- Location of all service connections (description of active vs. inactive)
- Location of all manholes
- Still shot photos of each observation
- NASSCO – Structural, O&M and Overall Ratings

The Contractor shall be responsible for accurately recording the Pipe Segment ID Number from the Village GIS map for each pipe segment for inclusion into the pipe inspection record header information. Please note that each Pipe Segment ID Number is unique to each MH to MH section. Final acceptance of data will not be considered if the Pipe Segment ID Number is recorded incorrectly. The Village GIS map will be provided in both .pdf and hard-copy formats.

Daily Data Delivery. The Contractor shall provide daily reports for the previous day's work to the Engineer. The Contractor shall call the Village or Engineer with critical and/or emergency issues as they are encountered such as:

- Collapsed pipes
- >50% flow restriction
- Surcharged Pipes
- Utility pipes/cables through the sewer
- Buried manholes
- Any other potential emergency issues

The Contractor shall provide daily work summaries for the previous day's progress.

Monthly Data Delivery. The Contractor shall provide the Engineer with (2) hard drives prior to the submittal or processing of each invoice. The hard drives shall include the following information:

- Database: A Microsoft Access V07 database file (see Documentation of Televising by Contractor).
- The associated video files and .PDF forms for each line segment televised to date. One digital copy of all files shall be provided on portable USB hard drives.
- A detailed breakdown of segments cleaned and televised for each invoice shall be required including MH to MH segment, pipe size, length and date work was performed.

- A master spreadsheet that has a record for each line segment televised to date. The spreadsheet shall be in Excel format and shall have hyperlinks to both the video files and the associated .PDF of the scanned paper report for each section of sewer televised. The spreadsheet shall include the following information for each record - Upstream and Downstream Structure Numbers, Date Televised, Televised Length, Pipe Size, NASSCO Pipe Severity Rating, and links to both the Video and the .PDF files.

Final Data Delivery. At the end of the project, the Contractor shall provide two (2) complete sets of all digital video files on individual portable USB powered hard drives. The hard drives shall include the following information:

- **ONE** Microsoft Access Database in **PACP 7.0.4** format that includes all inspections and detail location, type, and severity of all defects. The database should include all inspection data, condition data, and all **PACP Ratings**.
- A Master Spreadsheet that has a record for each line segment televised to date. The spreadsheet shall be in Excel format and shall have hyperlinks to both the video files and the associated .PDF of the PACP & Pipe Segment View report for each section of sewer televised. The spreadsheet shall include the following information for each record - Upstream and Downstream Structure Numbers, Date Televised, Televised Length, Pipe Size, NASSCO Pipe Severity Rating, and links to both the Video and the .PDF files.
- All digital video files, and individual reports (in pdf format) of the PACP & Pipe Segment View Reports for each pipe section, to include a graphical representation of the pipe, service locations / directions, defect locations, **AND STILL-SHOT PHOTOS OF EACH OBSERVATION.**
- The Contractor shall hand-write notes on the maps provided by the Village. This shall include confirmation of sections that were completed, any variations discovered such as differing pipe diameter, missing pipe sections, missing manholes, etc. and labeled by the Contractor as necessary to correlate to video / photo / database labels. Videos shall be in **MPEG-3** format.
- The Contractor shall hand-mark maps provided by the Village to confirm completed pipe sections and quantities and also note confirmed pipe diameters. Also, any buried or unmapped manholes located shall be marked with dimensions to upstream and downstream manholes.
- All USB flash drives and portable USB hard drives shall become the property of the Village upon delivery.

Basis of Payment. This work item shall be paid at the Contract Unit Price per Linear Foot for VIDEO INSPECTION WITH LIGHT CLEANING and shall include all labor and material required for television inspection, light cleaning, electronic media, digital database and all appurtenances required to complete the work. The total quantity for each section shall be the measured straight-line distance in Linear Feet from the center of manhole to center of manhole, regardless of the number of set-ups required.

ITEM #3 & #4 – HEAVY CLEANING

Description. Heavy cleaning shall be required where it has been determined that large deposits of debris remain in the sewer lines and complete cleaning of the segment would require more than the industry standard three (3) passes through the line with high pressure water jetting equipment. Wherever four (4) or more passes are required to completely clean the pipe segment, it shall be brought to the attention of the Engineer so that this item can be approved by the Engineer before proceeding to “Heavy Cleaning” of the sewer. Without prior knowledge or approval by the Engineer or Village, the Village reserves the right to deny payment for “Heavy Cleaning”.

Equipment. The heavy cleaning equipment to be used shall facilitate the removal of such accumulation of sediment, debris, blockages, mineral deposits, bricks, grease, etc. to permit a thorough and complete examination of the condition of the sewer through internal closed circuit color television inspection. The pipe must be free flowing with no obstructions to allow for a complete and thorough inspection.

Bucket machines, rodding machines, lumberjacks, augers and 120 gpm or higher hydro jetting equipment can be utilized in this heavy-duty cleaning. Where bucket machines and buckets are to be used, caution should be taken that a proper sized flexible cable be used so that breakage will not occur hanging the cleaning equipment up within the sewer lines.

Execution. No debris shall pass into downstream segments during the cleaning operation.

The video inspection must begin before the heavy cleaning takes place, in order to get visual confirmation of the initial pipe condition.

Basis of Payment. This work item shall be paid at the Contract Unit Price per Linear Foot for HEAVY CLEANING and shall include all material, and labor required. The total quantity for each section shall be the measured straight-line distance in Linear Feet from the center of manhole

to center of manhole, regardless of the number of set-ups required. This pay item must be approved by the Engineer prior to proceeding.

ITEM #5 & #6 – ROOT CUTTING

Description. Root cutting shall be required where it has been determined that root growth is substantial and cutting would be required to facilitate a thorough and complete examination of the condition of the sewer through internal closed circuit color television inspection.

Wherever root cutting is required it shall be brought to the attention of the Engineer so that this item can be approved by the Engineer before proceeding to “Root Cutting” of the sewer. Without prior knowledge or approval by the Engineer or Village, the Village reserves the right to deny payment for “Root Cutting.”

Equipment. The root cutting tools shall be the industry standard concave saws, flat saws, water blasters or chain knockers and shall be carefully selected to ensure no damage is caused to the sewer main or any portion of the lateral including protruding laterals. Extreme caution should be taken when operating root cutters in the sewer and a video inspection shall be on the root cutter at all times to ensure damage is not caused from root cutting.

Basis of Payment. This work item shall be paid at the Contract Unit Price **per Linear Foot** for ROOT CUTTING and shall include all material, and labor required. The total quantity for each section shall be the measured straight-line distance in Linear Feet from the center of manhole to center of manhole, regardless of the number of set-ups required. This pay item must be approved by the Engineer prior to proceeding. Any damage caused to the sewer main or sewer service lateral during tap cutting shall be the responsibility of the Contractor and shall be repaired at no additional expense.

ITEM #7 – MANHOLE ROOT CUTTING

This item shall govern the scope of work to remove manhole root intrusion. Manhole root cutting shall be required where it has been determined that root growth is substantial and cutting would be required to provide access to the manhole.

Any manhole requiring root cutting must be brought to the ENGINEER’s attention before the CONTRACTOR can proceed. The ENGINEER must visually inspect the root mass before approving removal. Without prior approval by the ENGINEER or VILLAGE, the VILLAGE reserves the right to deny payment for “Root Cutting.”

The root cutting tools shall be a Sawzall or a similar hand saw and shall be carefully selected to ensure no damage is caused to the manhole. Extreme caution should be taken when removing roots. Before and after photos of root removal shall be provided to the ENGINEER.

Basis of Payment: This item shall be paid at the Contract Unit Price per each for MANHOLE ROOT CUTTING and shall include all labor, equipment and materials required to complete the work. If the roots can be removed with a high-water pressure wand, then it will be considered incidental to cleaning and televising of the connecting pipe segments.

ITEM #8: CUT PROTRUDING TAPS

Description. For break-in service connections that protrude more than one inch into the sewer, the Contractor shall remove the protruding portion of the tap in preparation for cured-in-place pipelining. Cutters used shall be power-driven cutting devices (lateral cutters) designed to remove protruding taps. Cutters shall be capable of slicing laterally through cast iron, 3/4" rebar and anchors, clay tile, and concrete protruding into sewer lines.

Execution. The Contractor shall cut protruding taps so that protrusions are no greater than 1/2 inch. While using a protruding tap cutter, slow RPM will cut more effectively than rapid RPM. The Contractor shall maintain a steady flow and RPM while cutting and shall flush cut and broken pieces out before proceeding. If a protruding tap cannot be removed by the cutting device, then the Engineer shall be notified to determine if a point repair will be necessary. Obtain authorization from the Engineer before proceeding.

The Contractor shall record the tap cutter while removing protruding taps through CCTV inspection. Prior to payment for each cut protruding tap, the Contractor shall submit the protruding tap removal video recording and pre and post video recordings of the main pipe.

Basis of Payment. This work item shall be paid at the Contract Unit Price per Each for CUT PROTRUDING TAPS and shall include all material, and labor required. Protruding taps shall be cut with approved lateral cutters and shall not be cut with root saws. Any damages caused to the sewer main or sewer service lateral during tap cutting shall be the responsibility of the Contractor and shall be repaired at no additional expense.

ITEM #9: EASEMENT ACCESS

Description: This item only applies when manual or small portable easement machines or methods are utilized. The easement and other pertinent land must be restored to the same condition that it was prior to televising. This item shall not be paid where flexible hose can be run from a tractor truck. This item shall only be paid where downstream manhole access is over

twenty-five (25) feet from the curb line of a paved surface accessible by a vactor truck. If the Contractor is able to clean the segment by moving to the next downstream manhole, they shall do so to prevent easement access for the segment.

Basis of Payment: This work item shall be paid at the Contract Unit Price per linear foot for EASEMENT ACCESS. This pay item shall be paid in addition to any other applicable pay items, it does not substitute for any other pay item. The total quantity for each section shall be the measured straight-line distance in Linear Feet from the center of manhole to center of manhole, regardless of the number of set-ups required.

ITEM #10: ON-CALL CREW LABOR HOURS (TV TRUCK AND VAC TRUCK):

Description. This item will cover the scope of work for additional On-Call services related to cleaning and televising work that does not fall under a specific bid item on this project. Requirements for On-Call Labor Hours are that they must be approved by the Village in advance of the Contractor performing the work. The Contractor shall provide a complete cleaning and televising crew outfit with all of the equipment necessary for cleaning and televising to be performed at an hourly rate.

Basis of Payment. This work item shall be paid at the Contract Unit Price per Hour for ON-CALL LABOR HOURS and shall include all labor, equipment and materials required to complete the work. Payment will not cover Mobilization.

ITEM #11: LOCATE AND MARK PIPE DEFECT

Description. This item shall include field locating, field marking, and a GPS point survey of pipe failures and major system defects. The Engineer will provide direction during the course of the project as to what specific pipe conditions (PACP 7.0.4 codes) shall be located in this manner. The defects that are required to be located are as follows:

- Collapsed Pipe
- Deformed Pipe
- Hole in Pipe
- Lining Failure
- Infiltration: Gusher
- Impassable Blockages
- Utility pipes/cables through sewer
- Other Potential Emergency Issues

Execution. The location shall be determined above ground via two methods. First, a camera-mounted sonde and compatible detection wand shall be utilized to locate and paint / flag the location while the camera is halted at the failure / defect point. Second, the Contractor shall utilize a measuring wheel or tape to measure from the manhole to the failure point (based on camera reel counter footage) for confirmation that the correct location is marked. Upon confirmation of location, the failure point shall be thoroughly painted (oil-based white) in paved areas and staked in vegetated areas. The defect shall be labeled with the applicable PACP code abbreviation. A GPS coordinate shall then be obtained to sub-meter accuracy.

Basis of Payment. This item shall be paid at the Contract Unit Price **per each** for LOCATE PIPE DEFECT located and shall include all labor, equipment and materials required to complete the work. The Engineer must visually inspect the defect before approving the locating of the defect.

ITEM #12: LOCATE BURIED MANHOLE

Description. This item shall include field locating, field marking, and a GPS point survey of buried manholes. The location shall be determined above ground via three methods. First, a camera-mounted sonde and compatible detection wand shall be utilized to locate and paint / flag the location while the camera is halted within the buried manhole. Second, the Contractor shall utilize a measuring wheel or tape to measure from the entry manhole to the buried manhole (based on camera reel counter footage) for confirmation that the correct location is marked. Third, a metal detector shall be utilized to confirm location if possible. Upon confirmation of location, the buried manhole shall be thoroughly painted (oil-based white) in paved areas and staked in vegetated areas. A GPS coordinate shall then be obtained to sub-meter accuracy. The Contractor shall also send an area photograph of the location to the Engineer showing the marked location and its surroundings.

Basis of Payment. This item shall be paid at the Contract Unit Price **per each** for LOCATE BURIED MANHOLE and shall include all labor, equipment and materials required to complete the work. The Engineer must be notified as soon as the manhole has been found via CCTV. The manhole must be drawn onto the field map, as well as clearly marked on the ground.

ITEM #13: SERVICE INSPECTION NOTIFICATION

This item shall include procurement, printing, and field distribution of a “door hanger” notice that shall be attached to the door of any service address that appears to have a significant root blockage or other condition impacting sewer flow within the private service line, as observed from the mainline camera. If the house corresponding to the blocked service line cannot be confirmed with certainty, the neighboring homes shall be tagged as well. The Contractor shall

Appendix A

provide the notification tags and printing. Text is to be approved by the Village prior to printing. The notice shall be written in both English and Spanish. The door tags shall indicate that homeowners will be required to call the Village to schedule an appointment with the Village's plumbers.

The Contractor shall maintain a list, for delivery in MS Excel or MS Access, of all service addresses tagged. Additionally, by the end of each work day, the Contractor shall provide the Village of Oswego with a list of addresses tagged that particular day. This notification may be accomplished via e-mail, or text messaging.

Basis of Payment: This item shall be paid at the Contract Unit Price per each for SERVICE INSPECTION NOTIFICATION, for houses that are tagged as notification of a deficiency at the sewer connections. In no case shall the Village pay for more than two additional tags per affected service line (one on either side of suspected address).

**2023 SANITARY SEWER CLEANING AND TELEVISION PROGRAM
VILLAGE OF OSWEGO**

ATTACHMENT A
CCTV SCHEDULE

2023 Sanitary Sewer Cleaning and Televising Schedule

USMH	DSMH	Asset ID	Size	Length (LF)	Material
29-NE071	29-NE072	29-NE071:29-NE072	8"	184	PVC
29-NE072	29-NE385	29-NE072:29-NE385	8"	110	PVC
29-NE073	29-NE753	29-NE073:29-NE753	8"	239	PVC
29-NE074	29-NE075	29-NE074:29-NE075	8"	342	PVC
29-NE075	46-NE076	29-NE075:46-NE076	8"	188	PVC
29-NE080	46-NE081	29-NE080:46-NE081	8"	260	PVC
29-NE385	29-NE073	29-NE385:29-NE073	8"	109	PVC
29-NE753	29-NE074	29-NE753:29-NE074	8"	98	PVC
45-NE173	46-NE174	45-NE173:46-NE174	8"	419	PVC
45-NE177	45-NE178	45-NE177:45-NE178	8"	349	PVC
45-NE178	45-NE186	45-NE178:45-NE186	12"	313	Unknown
45-NE184	45-NE186	45-NE184:45-NE186	8"	226	PVC
45-NE185	45-NE186	45-NE185:45-NE186	10"	355	PVC
45-NE186	45-NE187	45-NE186:45-NE187	12"	141	PVC
45-NE187	45-NE188	45-NE187:45-NE188	12"	115	PVC
45-NE188	45WA-051	45-NE188:45WA-051	12"	28	PVC
45-NE201	45-NE202	45-NE201:45-NE202	8"	149	PVC
45-NE202	45-NE207	45-NE202:45-NE207	8"	120	PVC
45-NE207	45-NE208	45-NE207:45-NE208	10"	173	PVC
45-NE208	45-NE209	45-NE208:45-NE209	10"	245	PVC
45-NE209	45-NE210	45-NE209:45-NE210	10"	235	PVC
45-NE210	45-NE211	45-NE210:45-NE211	10"	203	PVC
45-NE211	45-NE212	45-NE211:45-NE212	10"	92	PVC
45-NE212	45WA-050	45-NE212:45WA-050	10"	113	PVC
46-NE076	46-NE077	46-NE076:46-NE077	8"	180	PVC
46-NE077	46-NE079	46-NE077:46-NE079	8"	313	Unknown
46-NE078	46-NE079	46-NE078:46-NE079	8"	141	PVC
46-NE079	61WA-004	46-NE079:61WA-004	8"	125	PVC
46-NE081	46-NE082	46-NE081:46-NE082	8"	397	PVC
46-NE082	61WA-005	46-NE082:61WA-005	8"	290	PVC
46-NE090	61WA-006	46-NE090:61WA-006	8"	15	Unknown
46-NE098	46-NE099	46-NE098:46-NE099	8"	354	PVC
46-NE099	46-NE100	46-NE099:46-NE100	8"	371	PVC
46-NE100	46-NE101	46-NE100:46-NE101	8"	149	Unknown
46-NE101	46-NE102	46-NE101:46-NE102	8"	130	PVC
46-NE102	46-NE107	46-NE102:46-NE107	8"	69	PVC
46-NE103	46-NE104	46-NE103:46-NE104	8"	354	PVC
46-NE104	46-NE105	46-NE104:46-NE105	8"	361	PVC
46-NE105	46-NE106	46-NE105:46-NE106	8"	377	PVC
46-NE106	46-NE107	46-NE106:46-NE107	8"	121	PVC
46-NE107	46-NE108	46-NE107:46-NE108	8"	86	PVC
46-NE108	46-NE109	46-NE108:46-NE109	8"	67	PVC
46-NE109	46-NE110	46-NE109:46-NE110	8"	263	Unknown
46-NE110	46-NE111	46-NE110:46-NE111	8"	80	PVC
46-NE111	46-NE112	46-NE111:46-NE112	8"	78	PVC

2023 Sanitary Sewer Cleaning and Televising Schedule

USMH	DSMH	Asset ID	Size	Length (LF)	Material
46-NE112	61WA-003	46-NE112:61WA-003	8"	220	PVC
46-NE113	61WA-002	46-NE113:61WA-002	8"	248	Unknown
46-NE150	46-NE153	46-NE150:46-NE153	12"	225	PVC
46-NE151	46-NE153	46-NE151:46-NE153	8"	595	PVC
46-NE152	46-NE153	46-NE152:46-NE153	8"	304	PVC
46-NE153	46-NE154	46-NE153:46-NE154	12"	256	PVC
46-NE154	46-NE155	46-NE154:46-NE155	12"	184	Unknown
46-NE155	46-NE156	46-NE155:46-NE156	12"	277	PVC
46-NE156	46-NE157	46-NE156:46-NE157	12"	103	PVC
46-NE157	46-NE158	46-NE157:46-NE158	12"	98	PVC
46-NE158	46-NE159	46-NE158:46-NE159	12"	102	PVC
46-NE159	46-NE162	46-NE159:46-NE162	12"	154	PVC
46-NE160	46-NE161	46-NE160:46-NE161	8"	212	PVC
46-NE161	46-NE162	46-NE161:46-NE162	8"	357	PVC
46-NE162	46-NE163	46-NE162:46-NE163	8"	159	PVC
46-NE163	46-NE168	46-NE163:46-NE168	12"	161	PVC
46-NE164	46-NE166	46-NE164:46-NE166	8"	247	PVC
46-NE165	46-NE166	46-NE165:46-NE166	8"	404	PVC
46-NE166	46-NE167	46-NE166:46-NE167	8"	175	PVC
46-NE167	46-NE168	46-NE167:46-NE168	8"	149	PVC
46-NE168	46-NE754	46-NE168:46-NE754	12"	329	PVC
46-NE169	46-NE170	46-NE169:46-NE170	12"	114	PVC
46-NE170	46-NE171	46-NE170:46-NE171	12"	144	PVC
46-NE171	46-NE175	46-NE171:46-NE175	12"	174	PVC
46-NE172	46-NE174	46-NE172:46-NE174	8"	296	PVC
46-NE174	46-NE175	46-NE174:46-NE175	8"	130	Unknown
46-NE175	46-NE176	46-NE175:46-NE176	12"	188	PVC
46-NE176	45-NE178	46-NE176:45-NE178	12"	305	PVC
46-NE179	46-NE180	46-NE179:46-NE180	8"	327	PVC
46-NE180	46-NE183	46-NE180:46-NE183	8"	405	PVC
46-NE181	46-NE182	46-NE181:46-NE182	8"	287	PVC
46-NE182	46-NE183	46-NE182:46-NE183	8"	240	PVC
46-NE183	45-NE184	46-NE183:45-NE184	8"	227	PVC
46-NE189	46-NE190	46-NE189:46-NE190	8"	227	PVC
46-NE190	46-NE192	46-NE190:46-NE192	8"	218	PVC
46-NE191	46-NE192	46-NE191:46-NE192	8"	108	PVC
46-NE192	46-NE194	46-NE192:46-NE194	8"	168	PVC
46-NE193	46-NE194	46-NE193:46-NE194	8"	398	PVC
46-NE194	46-NE197	46-NE194:46-NE197	8"	177	Unknown
46-NE195	46-NE196	46-NE195:46-NE196	8"	358	PVC
46-NE196	46-NE197	46-NE196:46-NE197	8"	334	PVC
46-NE197	46-NE199	46-NE197:46-NE199	8"	121	PVC
46-NE198	46-NE199	46-NE198:46-NE199	8"	138	PVC
46-NE199	46-NE200	46-NE199:46-NE200	8"	80	PVC
46-NE200	45-NE202	46-NE200:45-NE202	8"	105	PVC

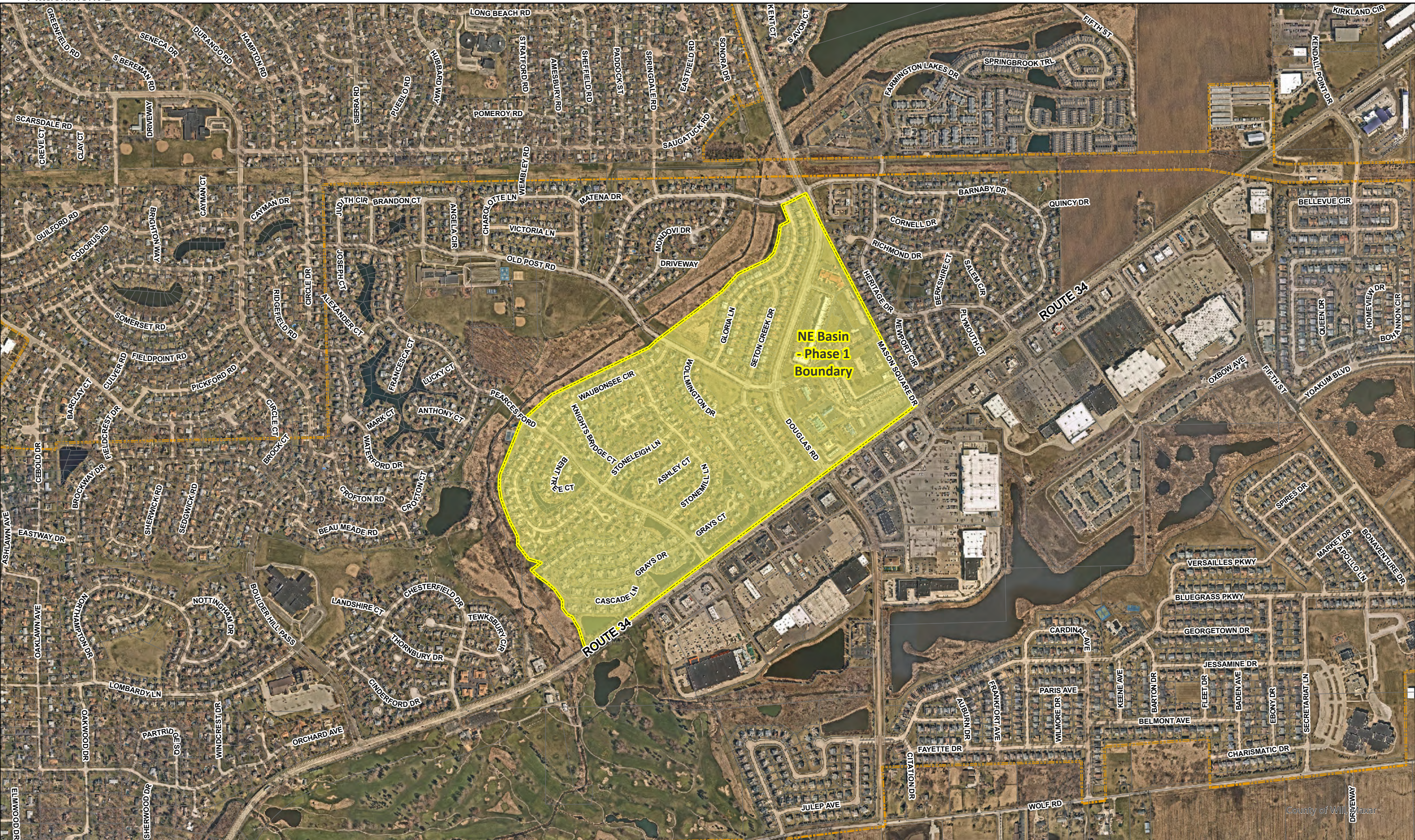
2023 Sanitary Sewer Cleaning and Televising Schedule

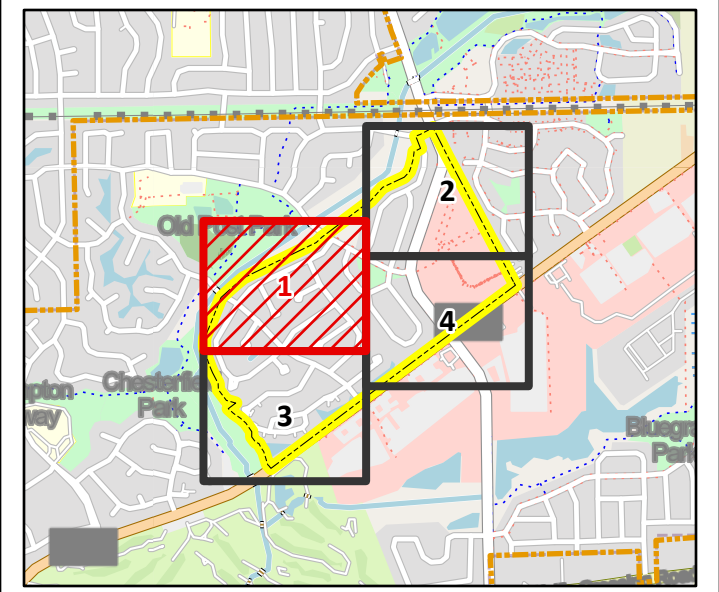
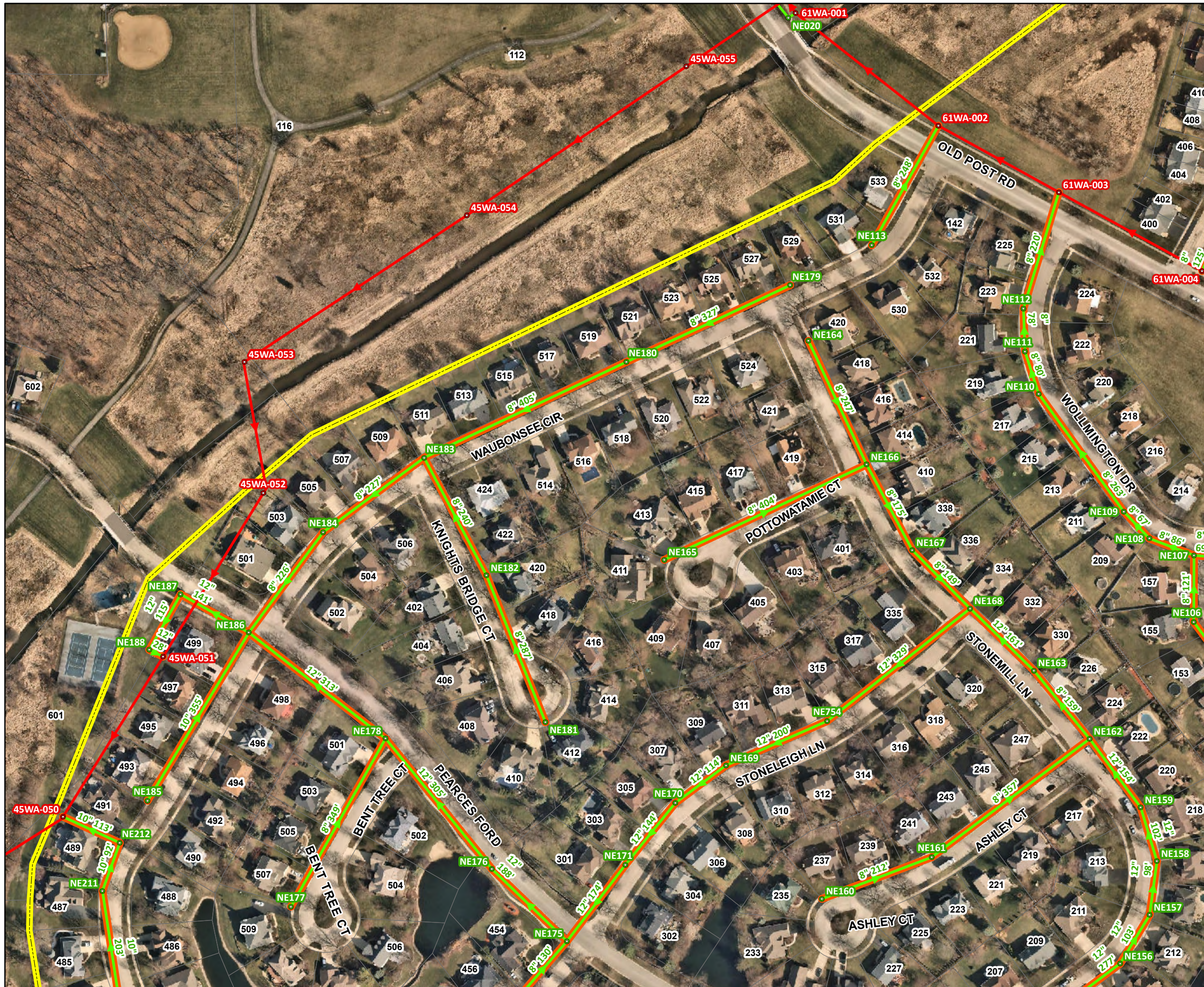
USMH	DSMH	Asset ID	Size	Length (LF)	Material
46-NE203	46-NE204	46-NE203:46-NE204	8"	233	Ductile Iron
46-NE204	46-NE205	46-NE204:46-NE205	8"	95	PVC
46-NE205	46-NE206	46-NE205:46-NE206	8"	237	PVC
46-NE206	45-NE207	46-NE206:45-NE207	8"	294	PVC
46-NE754	46-NE169	46-NE754:46-NE169	12"	200	PVC
47-NE083	47-NE752	47-NE083:47-NE752	8"	249	Unknown
47-NE084	47-NE748	47-NE084:47-NE748	8"	139	PVC
47-NE085	47-NE086	47-NE085:47-NE086	8"	298	PVC
47-NE086	47-NE087	47-NE086:47-NE087	8"	262	PVC
47-NE087	47-NE088	47-NE087:47-NE088	8"	202	PVC
47-NE088	47-NE089	47-NE088:47-NE089	8"	230	PVC
47-NE089	46-NE090	47-NE089:46-NE090	8"	310	Unknown
47-NE092	47-NE093	47-NE092:47-NE093	8"	149	PVC
47-NE093	47-NE095	47-NE093:47-NE095	8"	167	PVC
47-NE094	47-NE095	47-NE094:47-NE095	8"	79	PVC
47-NE095	61WA-008	47-NE095:61WA-008	8"	224	PVC
47-NE096	61WA-008	47-NE096:61WA-008	6"	151	PVC
47-NE748	47-NE749	47-NE748:47-NE749	8"	108	PVC
47-NE749	47-NE750	47-NE749:47-NE750	8"	39	Unknown
47-NE750	47-NE751	47-NE750:47-NE751	8"	297	Unknown
47-NE751	47-NE088	47-NE751:47-NE088	8"	23	PVC
47-NE752	47-NE089	47-NE752:47-NE089	8"	495	Unknown
TOTAL			6"	151	
TOTAL			8"	18,662	
TOTAL			10"	1,416	
TOTAL			12"	3,609	
TOTAL LENGTH				23,838	

**2023 SEWER TELEVISION
VILLAGE OF OSWEGO**

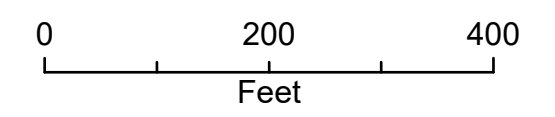
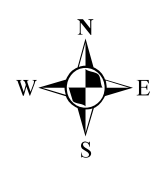
ATTACHMENT B

CCTV EXHIBITS

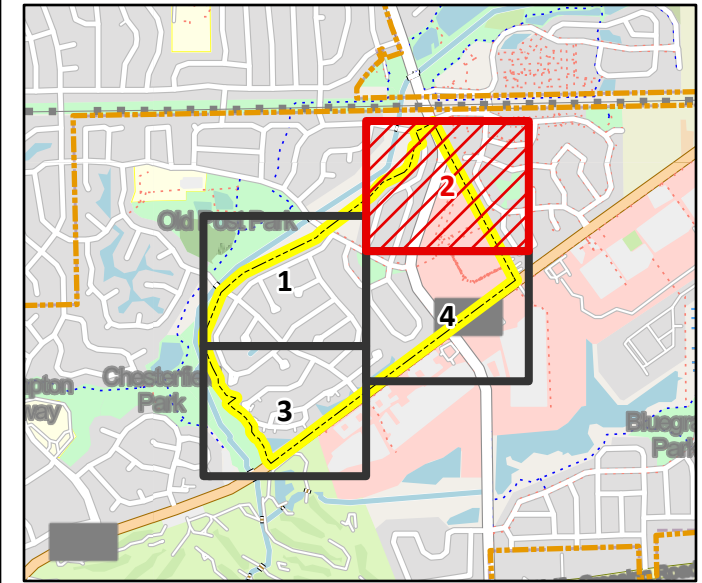
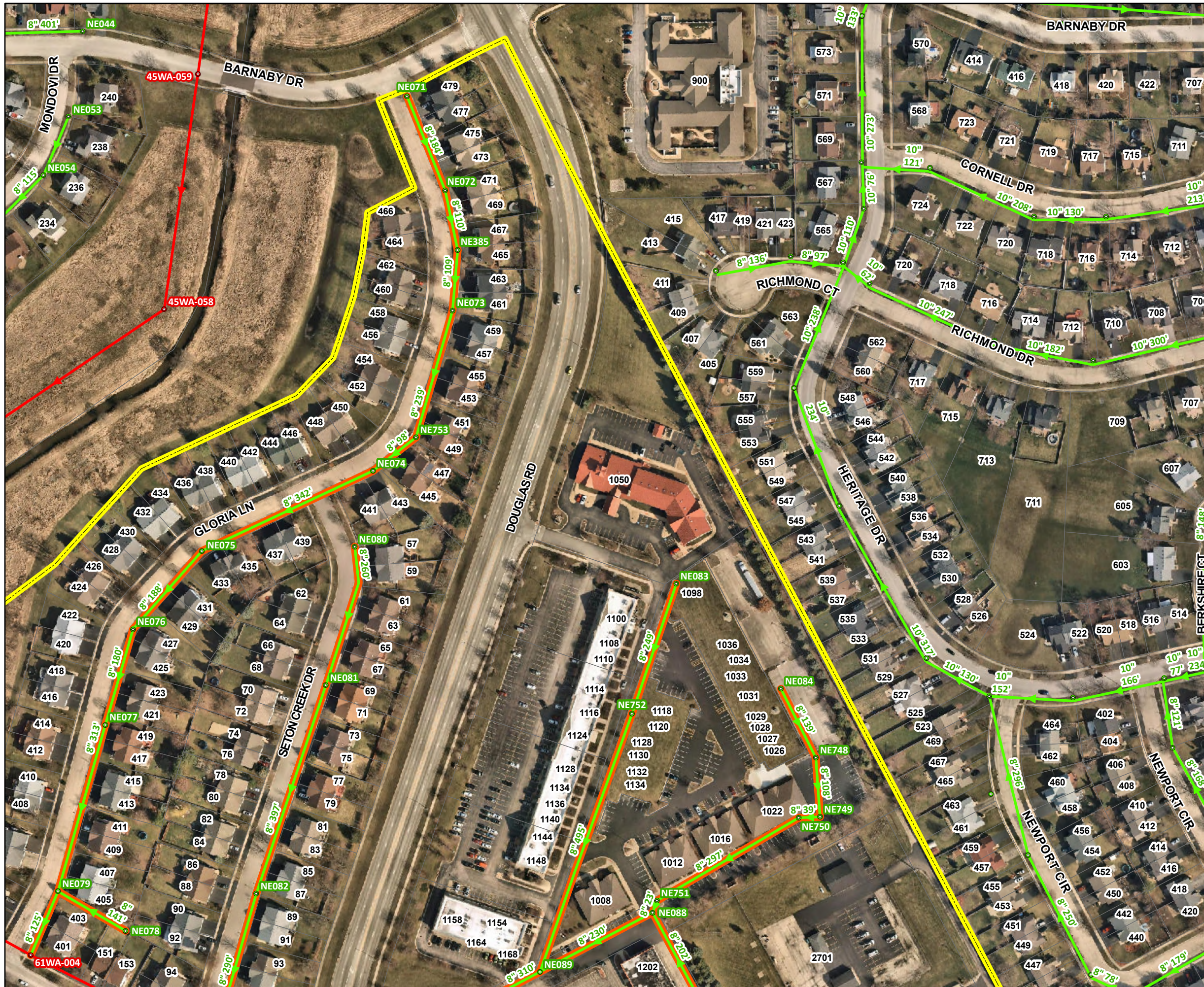




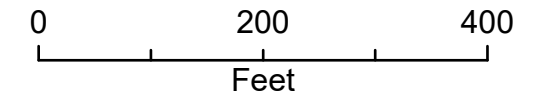
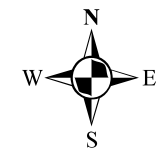
- Sanitary Manhole
- Gravity Main
- Sewer to be Cleaned & Televised
- Fox Metro Manhole
- Fox Metro Sewer
- 2023-24 CCTV Area
- Oswego Municipal Boundary



Village of Oswego, IL
 2023-24 Sanitary Sewer CCTV
 CCTV Field Maps - Page 1 of 4
 June 2023

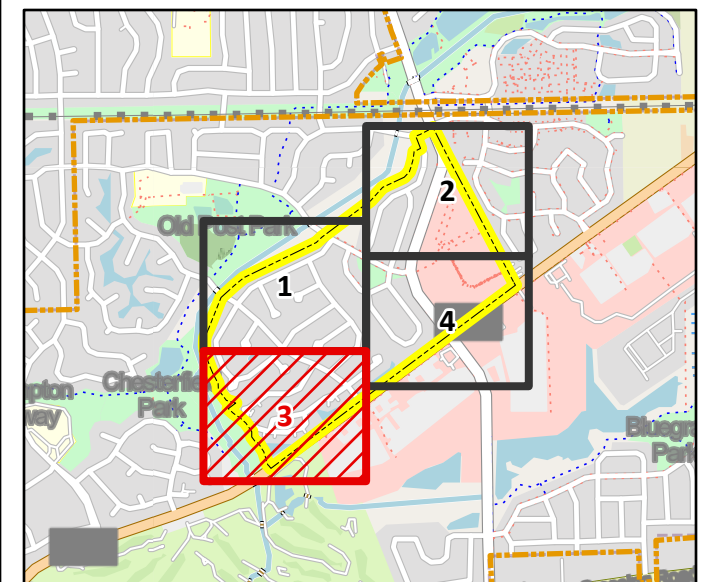


- Sanitary Manhole
- Gravity Main
- Sewer to be Cleaned & Televised
- Fox Metro Manhole
- Fox Metro Sewer
- 2023-24 CCTV Area
- Oswego Municipal Boundary

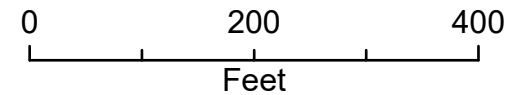


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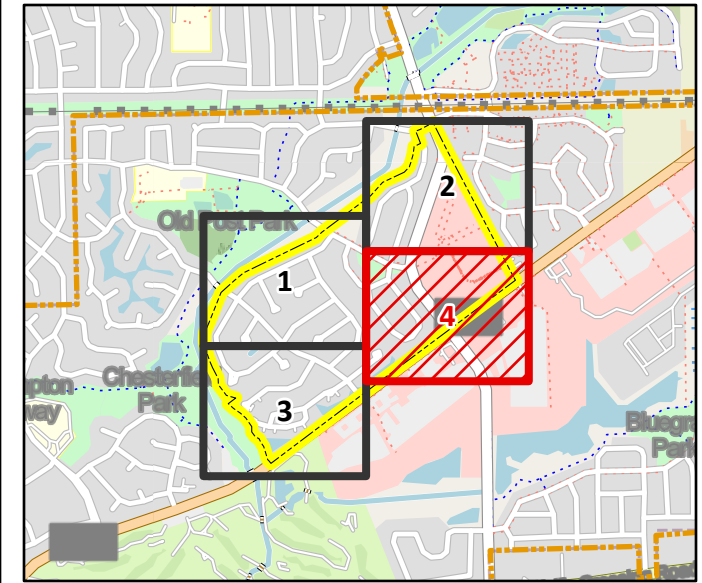
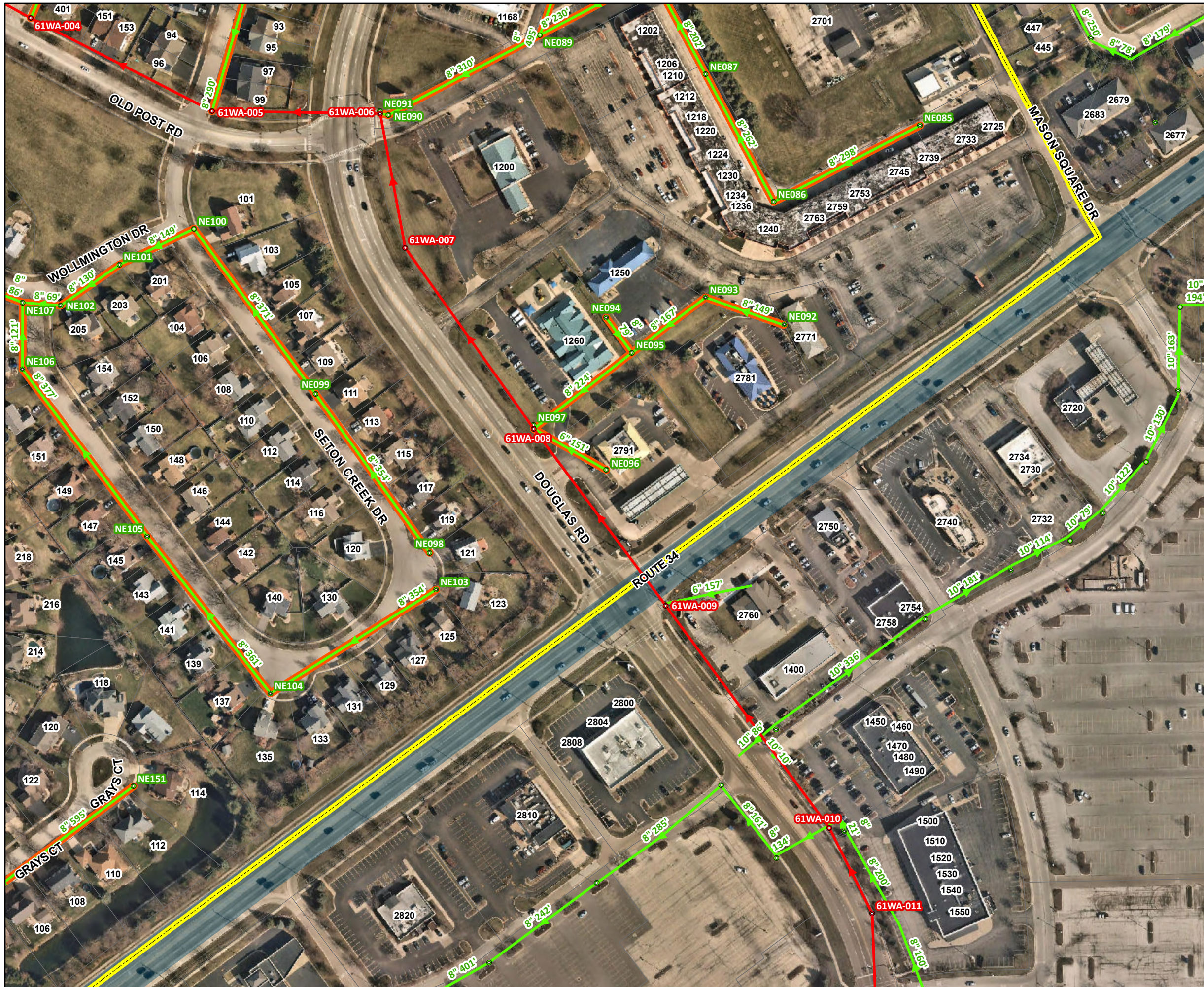
Village of Oswego, IL
 2023-24 Sanitary Sewer CCTV
 CCTV Field Maps - Page 2 of 4
 June 2023



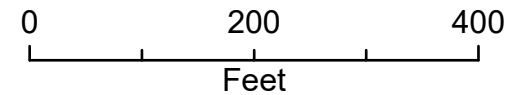
- Sanitary Manhole
- Gravity Main
- Sewer to be Cleaned & Televised
- State Road
- 2023-24 CCTV Area
- Oswego Municipal Boundary



Village of Oswego, IL
 2023-24 Sanitary Sewer CCTV
 CCTV Field Maps - Page 3 of 4
 June 2023



- Sanitary Manhole
- Gravity Main
- Sewer to be Cleaned & Televised
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- Fox Metro Sewer
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Village of Oswego, IL
 2023-24 Sanitary Sewer CCTV
 CCTV Field Maps - Page 4 of 4
 June 2023



Village of Oswego
2023 SANITARY SEWER CCTV PROJECT
BID TAB

ITEM NO.	ITEM DESCRIPTION	QUANTITY	UNITS	UNIT PRICE	TOTAL PRICE
1	VIDEO INSPECTION WITH LIGHT CLEANING (6"-8")	18,900	LF		
2	VIDEO INSPECTION WITH LIGHT CLEANING (10"-12")	5,100	LF		
3	HEAVY CLEANING (6"-8")	2,835	LF		
4	HEAVY CLEANING (10"-12")	765	LF		
5	ROOT CUTTING (6"-8")	2,835	LF		
6	ROOT CUTTING (10"-12")	765	LF		
7	MANHOLE ROOT CUTTING	2	EACH		
8	CUT PROTRUDING TAPS	10	EACH		
9	EASEMENT ACCESS- ADDITIONAL COST	2,500	LF		
10	ON-CALL CREW LABOR HOURS (TV TRUCK AND VAC TRUCK)	10	HR		
11	LOCATE PIPE DEFECT	2	EACH		
12	LOCATE BURIED MANHOLE	2	EACH		
13	SERVICE INSPECTION NOTIFICATION	10	EACH		
TOTAL COST					\$0.00