Sealed bids are invited and will be received by the Purchasing Agent of the Town of Watertown at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut, until 11:00 a.m. Thursday, February 11, 2016 at which time and place they will be publicly opened and read aloud for furnishing pipeline cleaning, CCTV and manhole inspections for Sub-Areas 1, 9 and 10 of the sanitary sewer system in the Town of Watertown.

The Information for Bidders, Form of Bid, Plans, Specifications and other contract documents may be obtained or examined at the office of the Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, Connecticut 06795 or by accessing the Town of Watertown’s website at http://www.watertownct.org. Proposals must be submitted on the forms provided and in a sealed envelope plainly marked “Bid – 2016 Pipeline Cleaning, CCTV and Manhole Inspections”.

To receive consideration bids must be in the hands of the Purchasing Agent or his authorized representative no later than the day and hour mentioned above.

The Purchasing Agent reserves the right to accept or reject any or all bids; to waive any informality; or to accept any bid deemed in the best interests of the Town of Watertown.

The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidder's business within the Town of Watertown in awarding this bid.

All bids will be considered valid for a period of sixty (60) days.

Jason Warner
Purchasing Agent
Town of Watertown
INFORMATION FOR BIDDERS

TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

2016 Pipeline Cleaning, CCTV and Manhole Inspections Watertown Water & Sewer Authority

BID OPENING: 11:00 a.m. Thursday, February 11, 2016

PROPOSALS RECEIVED
All bids must be in a sealed envelope and received prior to 11:00 a.m. Thursday, February 11, 2016 at the office of the Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795.

PREPARATION OF PROPOSALS
Proposals must be made upon forms contained herein. The blank spaces in the Proposal must be filled in correctly where indicated. The Bidder must state the prices for which he proposes to do each item of the work contemplated. In case of discrepancy where both words and the numerals are requested, the words shall govern. Ditto marks are not considered writing or printing and shall not be used. The Bidder shall sign his Proposal correctly. If the Proposal is made by an individual, his name, post office address and telephone number must be shown. If made by a firm, partnership, or corporation, the Proposal must be signed by an official of the firm, partnership, or corporation authorized to sign contracts, and must show the post office address and telephone number of the firm, partnership, or corporation. Failure to do so may disqualify the bid.

Each bid must be submitted in a sealed envelope bearing on the outside the name of the Bidder, post office address, and name of the project for which the bid is submitted. If forwarded by mail, the sealed envelope containing the bid must be enclosed in another envelope addressed to: The Purchasing Agent, Town Hall Annex, 424 Main Street, Watertown, CT 06795.

All information shall be entered in ink or by typewriter. Mistakes may be crossed out and corrections inserted before submission of your bid. The person signing the bid shall initial corrections in ink.

Corrections and/or modifications received after the closing time specified will not be accepted.

SUBMISSION OF PROPOSALS
All proposals and literature shall be submitted IN DUPLICATE on the proposal form, which is a part of these specifications.

Descriptive literature containing complete specifications must accompany each bid. If a bidder wishes to furnish additional information, more sheets may be added.
Adobe Acrobat® Reader is required to view electronic documents on-line. If you do not have Adobe Acrobat® Reader, you may download it for free from Adobe at http://www.adobe.com/products/acrobat/readstep.html.

Response summaries will be available online at http://www.watertownct.org on the day of the bid opening.

Responses delivered via fax are received subject to the following qualifications and limitations:

- The Town is not responsible for the confidentiality of the information transmitted.
- The Town cannot guarantee that its fax equipment will be operational and able to receive transmittals by a particular time and date. It is the Bidder's responsibility to ensure that quotations are received in their entirety and on time at the required location. It is recommended that vendors be advised to call immediately after transmitting a document electronically to confirm complete and accurate receipt by the Town. The Town assumes no liability in the event that a bidder’s electronic transmission is not received by the Town in a timely fashion, or is not received either in its entirety or error-free.
- Bids transmitted electronically which have a bond requirement are subject to the same submittal requirements as those responses delivered via traditional means, such as mail or hand delivery, or as otherwise stipulated by appropriate authority.

INCURRING COSTS

The Town of Watertown is not liable for any cost incurred for the preparation of proposals or submission of samples by the firms submitting proposals for the work requested in this bid document or request for proposals.

FAMILIARITY WITH THE WORK

Each bidder is considered to have examined the work to fully acquaint himself with the exact existing conditions relating to the work and has fully informed himself as to the work involved and the difficulties and restrictions attending the performance of this bid. Failure to do so will not relieve a bidder of his obligation to furnish all labor, materials and equipment necessary to carry out the work for the consideration set forth in this bid. The submission of a bid will be considered as conclusive evidence that the bidder has made such examination.

Where exploration or inspection data is shown on the Plans and/or specifications or made available to the Bidder, it is understood that such data where obtained in the usual manner and with reasonable care and are to be interpreted and used as the Bidder sees fit. There is no expressed or implied agreement that the data has been correctly indicated, and the Bidder is cautioned to take into account that conditions affecting the work may differ from those indicated.

The Owner assumes no responsibility whatsoever with respect to ascertaining for the Contractor such facts concerning physical characteristics relating to this project. The Bidder agrees that he shall make no claim for and has no right to additional payment or extension of time for completion of the
work, or any other concession, because of any interpretations or misunderstanding on his part of this bid, or because of any failure on his part to fully acquaint himself with all conditions relating to the work. Permission for making borings, test pits, destructive tests or other investigations of subsurface conditions will be arranged for by the bidder upon receipt of a written approval by the Town.

**CONSIDERATION OF PRIOR SERVICE**

Previous performance, quality of service and merchandise will be considered.

**ADDENDA AND INTERPRETATIONS & ALTERNATE PROPOSALS**

Addenda information will be available online at [http://www.watertownct.org](http://www.watertownct.org). Adobe Acrobat® Reader may be required to view this document. It is strongly suggest that Bidders check for any addenda a minimum of forty eight hours in advance of the bid deadline.

At the time of the opening of bids each Bidder will be presumed to have inspected the work and to have read and to be thoroughly familiar with all of the Contract Documents (including all addenda). The failure or omission of any Bidder to receive or examine any form, instruction or document shall in no way relieve any bidder from any obligation in respect to his bid.

If any person contemplating submitting a proposal is in doubt as to the true meaning of any part of these specifications, he may submit a written request for an interpretation to the Purchasing Agent. No interpretations as to the meaning of the plans, specifications or other Contract Documents will be made to any Bidder orally.

Every request for such interpretation should be in writing addressed (duplicate copy) to the Town of Watertown, Purchasing Agent, 424 Main Street, Watertown, Connecticut 06795, and to be given consideration, must be received at least five (5) days prior to the date fixed for the opening of Bids. Any and all such interpretations and any supplementary instructions will be in the form of written Addenda to the Specifications which, if issued, will be mailed by Registered Mail with Return Receipt Requested to all prospective Bidders at the respective addresses furnished for such purposes, not later than three (3) days prior to the date fixed for the opening of bids. Failure of any Bidder to receive any such Addendum or interpretations shall not relieve any Bidder from any obligations under his bid as submitted. All Addenda so issued shall become part of the Contract Documents. Oral explanations will not be binding on the Town.

The specifications listed are to be interpreted as meaning the minimum acceptable by the Town of Watertown. Bidders are requested to submit quotations on the basis of these specifications. Alternative bids providing a broader scope and/or services than requested in these specifications may receive consideration providing such equipment and/or service is clearly explained. Any exceptions to the specifications requested herein must be clearly noted in writing and are to be included as a part of the bid proposal. If none are included it will be assumed that there are none.

Definition of the word "complete" means that each unit of the equipment proposed shall include all appurtenances, fasteners, parts, accessories, and services ordinarily catalogued.
An item equal to that named or described in the specifications may be furnished by the Bidder, except where expressly noted as “no substitutions.” The naming of any commercial name, trademark, or other identification shall not be construed to exclude any item of any manufacturer not mentioned by name, nor limit competition, but shall establish a standard of equality only. An item shall be considered equal to the item so named or described if:

- It is at least equal in quality, durability, appearance, strength and design.
- It will perform at least equally the function imposed by the design for the work being contracted for or the material being purchased.
- It conforms substantially, even with deviations, to the detailed requirements for the item in the specifications.

The Bidder shall hold the Town of Watertown, its officers, agents, servants, and employees, harmless from liability of any nature or kind because of use of any copyrighted or uncopyrighted compositions, secret process, patented or unpatented inventions, articles or appliances furnished or used under this bid, and agrees to defend, at his own expense, any and all actions brought against the Town of Watertown or himself because of the unauthorized use of such articles.

**QUOTATION LIMITATION**

Bidders shall offer only **ONE ITEM AND PRICE** for each line item bid. If an or equal item is to be bid, the bidder is to select the brand and model that meets or exceeds the specified item, and submit his bid for that item.

**ESTIMATE OF WORK**

For bidding purposes, the work has been subdivided into unit price items. The quantities shown are to be considered as approximate only. The Purchasing Agent does not expressly or by implication agree that the actual quantity will correspond therewith, but reserves the right to increase or decrease the amount of any item or portion of the work as deemed necessary.

**SAMPLES**

Samples of articles, when required shall be furnished free of cost of any sort to the Town of Watertown. Samples received may be retained by the Town for future comparison. Samples which are not destroyed by testing, or which are not retained for future comparison will be returned upon request at the bidder’s expense.

**WITHDRAWAL OF BID**

Bidders may withdraw their proposals at any time prior to the bid date. No agent/broker shall withdraw or cancel their proposal for a period of sixty (60) days after the bid closing date of **11:00 a.m. on Thursday, February 11, 2016**. The successful agent/broker shall not withdraw, cancel or modify their proposal.
POWER OF ATTORNEY
Attorneys-in-fact who sign contract bonds must file, with each bond, a certified and effectively dated copy of their power of attorney.

SUBCONTRACTORS
- Each bidder contemplating the use of any subcontractor shall submit a list of subcontractors as listed on the Bid Form.
- The apparent low bidder shall file with the Town of Watertown, within five (5) days after the date of bid opening, a complete list of the names and addresses of competent, responsible and qualified subcontractors who are actually to perform major portions of the work. This in no way restricts or limits the requirement that all subcontractors must be approved by the Town.
- Subcontractors listed on the Bid Form or those previously approved may not be changed without the approval of the Town of Watertown.

Local subcontractors, material suppliers, and labor in the Town of Watertown should be considered and sought insofar, as is practical in the performance of this project.

QUALIFICATION OF BIDDER
In determining the qualifications of a bidder, the Town may consider his record in the performance of any contracts for similar work into which he may have previously entered; and the Town expressly reserves the right to reject the bid of such bidder if such record discloses that such bidder, in the opinion of the Town, has not properly performed such contracts or has habitually, and without just cause, neglected the payment of bills or has otherwise disregarded his obligations to subcontractors, suppliers, state or local codes, men or employees of subcontractors.

The Town may make such investigation as he deems necessary to determine the ability of the bidder to perform the work and the bidder shall furnish to the Town all such information and data for this purpose as the Town may request. The Town reserves the right to reject any bid if the evidence submitted by or the investigation of such bidder fails to satisfy the Town that such bidder is properly qualified, or that such bidder misrepresented material facts in the bid documents.

DISQUALIFICATION OF BIDDERS
More than one proposal from an individual, firm, partnership, corporation, or an association under the same or different names will not be considered. Reasonable grounds for believing that any Bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such Bidder is interested. Any or all proposals in which such Bidder is interested will be rejected if there is reason for believing that collusion exists among the Bidders and all participants in such collusion will not be considered in future proposals for the same work. Proposals in which the prices are obviously unbalanced may be rejected. No Contract will be awarded except to competent Bidders capable of performing the class of work contemplated.
DELIVERY

Inasmuch as this work concerns a needed public improvement, the provisions of this bid relating to the time of delivery, performance and completion of the work are of the essence of this bid. Accordingly, the successful bidder shall commence work **upon receipt of the signed Purchase Order** unless the Town shall authorize or direct a further delay.

Time of delivery shall be stated as the number of calendar days following receipt of the Purchase Order by the Bidder to receipt of the goods or services by the Town of Watertown.

Prices quoted must include delivery to the Town of Watertown as specified on the Purchase Order. No charges will be allowed for parking, crating, freight, express or cartage unless specifically stated and included in this bid.

Time of delivery may be considered in the award.

PAYMENT

The Town, after inspection and acceptance of workmanship, and in consideration of the faithful performance by the Bidder of all and singular his covenants, promises, and agreements contained herein, agrees to pay the Bidder for the full completion by him of the work embraced in this Contract, within (30) Thirty Days of the receipt of the final invoice. When subcontractors or suppliers are utilized, the successful Bidder for this project shall be required to submit a Mechanics Lien Waiver, acceptable to the Town, with each progress payment and/or at time of final payment prior to any payment being made.

Time, in connection with any discount offered, will be computed from the date of delivery to the Town or from the date a correct invoice is received by the Town's Finance Department, if the latter date is later than the date of delivery.

Prices will be considered as **NET**, if no cash or payment discount is shown.

The successful bidder shall submit invoices to the following address:

Town of Watertown  
Water & Sewer Authority  
747 French Street  
Oakville, CT 06779

**IT IS UNDERSTOOD AND AGREED THAT SHOULD A BID BE ACCEPTED, IT WILL AUTOMATICALLY BECOME THE CONTRACT OR AN ADDENDUM TO ANY CONTRACT AGREED UPON.**

Notification of the bid award will be made by issuance of a purchase order. Bidders are to list their bids on the appropriate attached sheets. Bidders may attach a letter of explanation. A clear
notification should be made on the standard bid sheets at the appropriate point of explanation that there is a letter of explanation attached. All bids must be NET prices.

The successful bidder shall submit an itemized invoice to the Town of Watertown for the work as described herein.

The bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment and at time of final payment prior to any payment being made.

At the time of award the successful bidder shall be required to supply the Town of Watertown a Certificate of Good Standing, certifying that the corporation is in fact a valid corporation and presently licensed to conduct business in the State of Connecticut.

SALES TAX
Certain materials and supplies incorporated in the work of this project are exempt from Connecticut Sales Tax. The Bidder shall familiarize himself with current regulations of the State Tax Department. The tax on materials or supplies exempted by such regulations shall not be included as part of the bid. The Town will furnish the successful Bidder sales tax exemption authorization.

CARE AND PROTECTION OF PROPERTY
The Bidder shall take particular care to avoid damages to all private and public property and to private or public improvements within the Town's right of way. He shall make good any damages to the satisfaction of the Town. There shall be no additional compensation for the repair or restoration of private or public property improvements.

COMPLIANCE WITH FEDERAL, STATE AND LOCAL CODES
The Bidder shall be responsible for full compliance with any Federal, State and/or Local codes, laws, regulations and standards, as applicable.

AWARD
The Town of Watertown reserves the right to accept or reject any bid to best serve its interests, or to hold the bids for sixty (60) days before decision.

The Town reserves the right to reject any and all bids (or any part thereof), to waive defects in proposals, or to accept any proposal deemed to be in its best interest.

Exceptions will be considered to the specification provided, providing they are listed and fully explained on a separate page entitled "EXCEPTIONS TO SPECIFICATIONS"

Each exception will be considered as to its degree of impact and total effect on the bid. The purchaser shall determine which (if any taken) exceptions are acceptable, and this determination shall be final.
The Town of Watertown reserves the right:
- To award bids received on the basis of individual items, or groups of items, or on the entire list of items.
- To reject any or all bids, or any part thereof.
- To waive any informality in the bids.
- The Town of Watertown reserves the right to take into account the residency of bidders within the Town of Watertown and/or the location of the bidders business within the Town of Watertown in awarding this bid.
- To accept the bid that is in the best interest of the Town of Watertown. The Purchasing Agent's decision shall be final.

INSURANCE
A. General:
The Bidder shall be responsible for maintaining insurance coverage in force for the life of the contract of the kinds and adequate amounts to secure all of the Bidder’s obligations under the contract with an insurance company with an AM Best Rating of A - VII or better licensed to write such insurance in Connecticut and acceptable to the Town of Watertown.

The insurer shall provide the Town of Watertown with Certificates of Insurance signed by an authorized representative of the insurance company(ies) prior to the performance of this contract describing the coverage and providing that the insurer shall give the Town of Watertown written notice at least thirty (30) days in advance of any termination, expiration, or any and all change in coverage.

Such insurance or renewals or replacements thereof shall remain in force during the Bidder’s responsibility under this agreement.

The Bidder at his own cost and expense shall procure and maintain all insurance required and shall name the Town of Watertown, its employees, departments, boards, committees and commissions, as an additional insured on all contracts except Worker’s Compensation and Professional Errors & Omissions coverage.

In order to facilitate this requirement for insurance, it is recommended that the bidder forward a copy of this exhibit to the bidder’s insurance representative(s).

B. Specific Requirements:
(1) Workers’ Compensation Insurance
The Bidder shall provide Workers’ Compensation Insurance required by law and the Employer’s Liability Insurance for at least the amounts of liability for Bodily Injury by accident of $100,000 each accident; Bodily Injury by Disease each employee of $100,000; Bodily Injury by Disease, policy limit of $500,000.
(2) **Commercial General Liability Insurance**  
The Bidder shall carry Commercial General Liability policy (Insurance Services Office Incorporated Form CG-0001 or equivalent). A per occurrence limit of $1,000,000 is required. The Aggregate Limit will be not less than $1,000,000. The Town of Watertown and its agent(s) shall be named as additional insureds.

(3) **Business Automobile Liability Insurance**  
The Bidder shall carry Business Automobile Liability Insurance. (Insurance Services Office Incorporated Form CA-00001 or equivalent). A per occurrence limit of $1,000,000 is required. “Any Auto” (symbol 1 or equivalent) is required.

C. **Hold Harmless & Subcontractor’s Requirements:**  
The Bidder shall require the same insurance that it is required to carry by the Town of Watertown to be carried by any subcontractors and independent contractors hired by the Bidder and to obtain Certificates of Insurance before subcontractors and independent contractors are permitted to begin work.

The Bidder shall require that the Town of Watertown, its employees, departments, boards, committees and commissions, be named as Additional Insured on all subcontractor’s and independent contractor’s policies before they are permitted to begin work.

The Bidder and all subcontractors and independent contractors and their insurers shall waive all rights of subrogation against the Town of Watertown, and its officers, agents, servants and employees for losses arising from the work performed by each on this contract.

The Bidder assumes and agrees to hold harmless, indemnify, protect and defend the Town of Watertown against any and all liability for injuries and damages to Bidder and to Bidder’s employees, agents, subcontractors and guests, third parties or otherwise incident to or resulting from any and all operations performed by a contractor under any terms of this contract.

D. **Other Data:**

**NOTE 1:** If Bidder is only a vendor shipping goods via Common Carrier only, General Liability is required.

**NOTE 2:** If Bidder is a Professional, Errors & Omission coverage will be required.

**NOTE 3:** The Town reserves the right to amend amounts of coverage required and the types of coverage provided based on work or service to be performed.

**GUARANTEE**  
The bidder shall unconditionally guarantee for a period of one (1) year from the date of acceptance, all materials, supplies, equipment, and services; including but not limited to its workmanship, delivery and installation. If within the guarantee period there are any defects or signs of deterioration
the bidder shall repair, adjust or replace the item(s) to the complete satisfaction of the Town. These repairs, adjustments, or replacements are at the sole expense of the bidder and shall be made at such times that are agreeable to the Purchasing Agent so that it is least detrimental to instructional programs.

**PERMITS**
When required all licenses and permits for complying with any applicable Federal, State, and Municipal laws, codes, regulations in connection with the prosecution of the work shall be obtained by the Bidder, at no additional cost to the Town. The cost of local building permits will be assessed at sixteen cents per one thousand dollars of construction value as declared on the building permit application pursuant to State of Connecticut Statute Sec. 29-263 by the Town of Watertown. The successful contractor will be responsible for payment to the Town of Watertown Building Inspection Department.

**NONDISCRIMINATION IN EMPLOYMENT**
The successful bidder shall agree and warrant that, in the performance of this contract, he will not discriminate or permit discrimination against any person or group of persons on the grounds of race, color, sex, religion, or national origin in any manner prohibited by State, Federal, County, or Municipal law. A certification of Nonsegregated Facilities and a Certification Regarding Equal Employment Opportunity shall be considered a part of this contract.

**MECHANICS LIEN WAIVERS**
The successful Bidder shall be required to submit a Mechanics Lien Waiver, acceptable to the Town of Watertown, with each progress payment, and/or at time of final payment, prior to any payment made.

For further technical or administrative information contact Jason Warner, Purchasing Agent at (860) 945-5260 or via email at warner@watertownct.org.
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT

TECHNICAL SPECIFICATIONS

2016 Pipeline Cleaning, CCTV and Manhole Inspections Watertown Water & Sewer Authority

Project Description

General
In its ongoing effort to reduce inflow and infiltration (I&I) of extraneous flows into its sanitary sewer system, the Town of Watertown, through its Water and Sewer Authority, is seeking bids to perform light pipeline cleaning, CCTV (closed circuit television) and manhole inspections of various parts of its system.

The work required under this contract shall consist of furnishing all labor, equipment, materials, tools and supervision necessary to perform light pipeline cleaning, television and manhole inspections as follows:

Location of Work
Figures for each of the three sewer system sub-areas are attached. All locations shall be confirmed by the Watertown Water and Sewer Authority’s superintendent.

Scheduling of Work
In general, the work will be done during the wet season (March, April or May 2016) as long as the water table is at its highest or near its highest elevation. The Town may require that cleaning and CCTV work in larger-diameter sewers be performed at night-time or during other low flow periods.

Trafficmen:
Uniformed Police Officers will be required for all work performed in the roadway and shall be provided in accordance with the State of Connecticut Department of Transportation “Standard Specifications for Roads, Bridges and Incidental Construction”, Form 816, as amended. Upon approval by the Engineer, the contractor is to arrange for the Police Officers. The Town will be responsible for payment of the Officers directly. Uniformed Police Officers are not required when the roadway is closed to through traffic or when an approved traffic detour is provided.
### Subarea 1

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<td>1,158</td>
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<td><strong>Total Length of Pipe</strong></td>
<td></td>
<td><strong>26,436</strong></td>
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<tr>
<td><strong>Total Manholes</strong></td>
<td></td>
<td><strong>153</strong></td>
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SPECIFICATIONS

PART 1  GENERAL
1.1  SUMMARY
    A.  Section Includes

    1.  The work shall consist of performing the following tasks:
        a.  Sewer Cleaning
        b.  Television Inspection
        c.  Manhole Inspections

1.2  MEASUREMENT AND PAYMENT
    A.  All measurements shall be made by conventional means with accuracies consistent with
        field conditions and common practice. Measurements for payments shall be based on
        the field measurements from the center of each manhole. Should a discrepancy in
        measurement exist which is greater than 10%, the item in question shall be re-measured
        by both the Contractor and the Owner for verification.

    B.  Payment shall be at the unit prices bid in the Bid Form for each item of work.

PART 2  PRODUCTS
2.1  N/A

PART 3  EXECUTION
3.1  SEWER CLEANING
    A.  General

    1.  Sewer cleaning shall be performed with hydraulically propelled, high velocity jet,
        or mechanically powered equipment. Selection of equipment shall be based on
        field conditions such as access to manholes, quantity of debris, size of sewer,
        depth of flow, etc. Reference is made to the NASSCO “Jetter Code of Practice”, a
        guide for the selection and operation of sewer Jetter equipment and the selection
        of nozzles for different applications. The sewer system shall be cleaned starting
        from upstream end (highest point) and working towards the downstream (low
        point). The table on the inside of all manholes are to be cleaned. During the
        cleaning operation all debris and waste is to be caught and vacuumed up into the
        vac truck. All waste is to be disposed of at an approved location off site out-of-
        Town as the Town does not have an approved disposal area.

    2.  The intent of sewer line cleaning is to remove foreign materials from the lines and
        restore the sewer to a minimum of 95% of the original carrying capacity or as
        required for proper seating of internal pipe joint sealing packers. Since the
success of the other phases of work depends a great deal on the cleanliness of the lines, the importance of this phase of the operation is emphasized. It is recognized that there are some conditions such as broken pipe and major blockages that prevent cleaning from being accomplished or where additional damage would result if cleaning were attempted or continued. Should such conditions be encountered, the Contractor will not be required to clean those specific manhole sections. If in the course of normal cleaning operations, damage does result from preexisting and unforeseen conditions such as broken pipe, the Contractor will not be held responsible.

B. Cleaning Equipment

1. High-Velocity Jet (Hydrocleaning) Equipment: All high-velocity sewer cleaning equipment shall be constructed for ease and safety of operation. The equipment shall have a selection of two or more high-velocity nozzles. The nozzles shall be capable of producing a scouring action from 15 to 45 degrees in all size lines designated to be cleaned. Equipment shall also include a high-velocity gun for washing and scouring manhole walls and floor. The gun shall be capable of producing flows from a fine spray to a solid stream. The equipment shall carry its own water tank, auxiliary engines, pumps, and hydraulically driven hose reel. The NASSCO Jetter Code of Practice shall be consulted as a guide for the selection of different type nozzles and recommended pressure applications for various cleaning requirements. A combination jet/vacuum truck working in conjunction with a camera truck shall be utilized for all cleaning and CCTV inspections.

C. Cleaning Precautions

1. During sewer cleaning operations, satisfactory precautions shall be taken in the use of cleaning equipment. When hydraulically propelled cleaning tools (which depend upon water pressure to provide their cleaning force) or tools which retard the flow in the sewer line are used, precautions shall be taken to ensure that the water pressure created does not damage or cause flooding of public or private property being served by the sewer. When possible, the flow of sewage in the sewer shall be utilized to provide the necessary pressure for hydraulic cleaning devices. When additional water from fire hydrants is necessary to avoid delay in normal work procedures, the water shall be conserved and not used unnecessarily. No fire hydrant shall be obstructed in case of a fire in the area served by the hydrant.

3.2 TELEVISION INSPECTION

A. Television inspection shall be required to identify and document sewer line conditions and/or is performed in advance of, in conjunction with and after completion of pipe joint testing/sealing, pipe repair and pipe lining activities. All defects and pipe conditions shall be documented in accordance with the NASSCO Pipeline Assessment Certification Program (PACP) including the specific date and time of the inspection.
The television camera used for the inspection shall be one specifically designed and constructed for such inspection. Lighting for the camera shall be suitable to allow a clear picture of the entire periphery of the pipe. The camera shall be operative in 100% humidity conditions. The camera, television monitor, and other components of the video system shall be capable of producing picture quality to the satisfaction of the Owner’s Representative; and if unsatisfactory, equipment shall be removed and no payment will be made for an unsatisfactory inspection.

B. The camera shall be moved through the line in either direction at a moderate rate, stopping when necessary to permit proper documentation of the sewer’s condition. In no case will the television camera be pulled at a speed greater than 30 feet per minute. Manual winches, power winches, TV cable, and powered re-winds or other devices that do not obstruct the camera view or interfere with proper documentation of the sewer conditions shall be used to move the camera through the sewer line. If, during the inspection operation, the television camera will not pass through the entire manhole section, the Contractor shall set up his equipment so that the inspection can be performed from the opposite manhole. If, again, the camera fails to pass through the entire manhole section, the inspection shall be considered complete noted as Survey Abandoned and no additional inspection will be required.

C. When manually operated winches are used to pull the television camera through the line, telephones or other suitable means of communication shall be set up between the two manholes of the section being inspected to ensure good communications between members of the crew.

D. The importance of accurate distance measurements is emphasized. Measurement for location of defects shall be above ground by means of a meter device. Marking on the cable, or the like, which would require interpolation for depth of manhole, will not be allowed. Accuracy of the distance meter shall be checked by use of a walking meter, roll-a-tape, or other suitable device, and the accuracy shall be satisfactory to the Owner’s Representative.

E. The Owner may dictate that certain larger-diameter sewer can only be cleaned and televised at night-time or during other low-flow conditions.

F. Documentation of the television results shall be as follows:

1. Television Inspection Logs: Electronic media location records shall be kept by the Contractor and will clearly show the location, by distance in 1/10 of a foot or nearest mm, from the manhole wall, in relation to an adjacent manhole of each infiltration point observed during inspection. In addition, other points of significance such as locations of building sewers, unusual conditions, roots, storm sewer connections, cracks, fractures, broken pipe, presence of scale and corrosion, and other discernible features, as defined in the PACP defect codes, will be recorded on electronic media and a copy of such records will be supplied to the Owner.
2. Digital photographs of the pipe condition and all defects shall be taken by the Contractor. Photographs shall be located by distance in 1/10 of a foot or nearest mm, from the manhole wall, in relation to an adjacent manhole.

3.3 Electronic media recordings: The purpose of electronic media recording shall be to supply a visual and audio record of problem areas of the lines that may be replayed by the Owner. Each original electronic media recording of conditions and defects will be delivered to the Owner upon completion of a specific line section.

3.4 MANHOLE INSPECTIONS

A. Manhole inspections shall be required to identify and document manhole conditions and/or is performed in advance of manhole sealing, coating and lining activities.

B. All defects and pipe conditions shall be documented in accordance with the NASSCO Manhole Assessment Certification Program (MACP) including the specific date and time of the inspection.

END OF SECTION
PLEASE

IT IS A REQUIREMENT OF THIS BID THAT EACH PROPOSAL SUBMITTED MUST HAVE A DUPLICATE COPY ATTACHED.

YOUR COOPERATION IS APPRECIATED
TOWN OF WATERTOWN
WATERTOWN, CONNECTICUT 06795

BID PROPOSAL

2016 Pipeline Cleaning, CCTV and Manhole Inspections Watertown Water & Sewer Authority

BID OPENING: 11:00 a.m. Thursday, February 11, 2016

TO:  Mr. Jason Warner, Purchasing Agent
     Town of Watertown
     Town Hall Annex
     424 Main Street
     Watertown, CT 06795

The undersigned, as bidder, agrees to furnish all materials, labor and equipment to complete the work as specified and declares that no person or persons, other than those named herein, are interested in this Proposal; that this Proposal is made without collusion with any person, firm, or corporation; that he has carefully examined the location of the proposed work; that no person or persons acting in any official capacity for the Town is directly or indirectly interested therein or in any portion of the profit thereof; and that he proposes and agrees, if this Proposal is accepted, to provide all necessary equipment, tools, labor and deliver and to do all work and furnish all materials specified in the Contract, in the manner and time therein prescribed, and according to the requirements of the Town as therein set forth, and that he will take in full payment therefor, the following unit prices and lump sums, to wit:

FIRM _________________________________________________________________________
   Name _______________________________________________________________________
   Street ______________________________________________________________________
   City ___________________________ State ______________________ Zip Code ____________

NAME _________________________________________________________________________
   Please Print __________________________________________________________________

TELEPHONE NUMBER _____________________________________________________________

FAX NUMBER _____________________________________________________________________

EMAIL ADDRESS _________________________________________________________________

SIGNED_________________________________________ DATE ______________________
<table>
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<tr>
<th>Item Number</th>
<th>Item Name and Unit Bid Prices Written in Words and Figures</th>
<th>Estimated Quantity</th>
<th>Total Amount of Item (in figures)</th>
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<tbody>
<tr>
<td>1A</td>
<td>In Sub-Area 10, for light hydraulic cleaning (one to two passes) and removal of flushings from sewer (i.e. Vactor truck; out-of-Town disposal location) and internal TV inspection of gravity sewer mains with DVD and color copy of reports, per linear foot, the price of:</td>
<td>$ \times 26,436 \text{ lf} = $ __________________</td>
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<tr>
<td>1B</td>
<td>In Sub-Area 1, for light hydraulic cleaning (one to two passes) and removal of flushings from sewer (i.e. Vactor truck; out-of-Town disposal location) and internal TV inspection of gravity sewer mains with DVD and color copy of reports, per linear foot, the price of:</td>
<td>$ \times 19,160 \text{ lf} = $ __________________</td>
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<tr>
<td>1C</td>
<td>In Sub-Area 9, for light hydraulic cleaning (one to two passes) and removal of flushings from sewer (i.e. Vactor truck; out-of-Town disposal location) and internal TV inspection of gravity sewer mains with DVD and color copy of reports, per linear foot, the price of:</td>
<td>$ \times 49,574 \text{ lf} = $ __________________</td>
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2A In Sub-Area 10, or at-grade surface manhole inspections including a typed report and digital photograph with electronic copy, per manhole, the price of:

\[ \text{($) } \times 153 \text{ manholes} = \$ \__\__\__\__\__\__\]

2B In Sub-Area 1, for at-grade surface manhole inspections including a typed report and digital photograph with electronic copy, per manhole, the price of:

\[ \text{($) } \times 99 \text{ manholes} = \$ \__\__\__\__\__\__\]

2C In Sub-Area 9, for at-grade surface manhole inspections including a typed report and digital photograph with electronic copy, per manhole, the price of:

\[ \text{($) } \times 277 \text{ manholes} = \$ \__\__\__\__\__\__\]

TOTAL AMOUNT OF BASE BID – Items 1A and 2A

\[(\text{words})\]
\[(\$ \__\__\__\__\__\__)\]

TOTAL AMOUNT OF ALTERNATE 1 – Items 1B and 2B

\[(\$ \__\__\__\__\__\__)\]

dollars

dollars
TOTAL AMOUNT OF ALTERNATE 2 – Items 1C and 2C dollars

TOTAL AMOUNT OF BASE BID PLUS ALTERNATES 1 AND 2 dollars

Contract award shall be made to the lowest eligible and responsible bidder based on one of the following:

- Base Bid only
- Base Bid plus Alternate 1
- Base Bid plus Alternates 1 and 2

Payment Terms ________________________________

Time to Completion _________________________ Working Days

Warranty ________________________________
Have you taken any exceptions or have you deviated from our printed specification and if so, are such suggested changes clearly noted on the page provided for exceptions to specifications?

____yes  ______no
EXCEPTIONS TAKEN TO SPECIFICATIONS:

__________________________________________________________________________

__________________________________________________________________________

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RECEIPT OF ADDENDA

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NAME OF BIDDER: ____________________________________________

OFFICIAL ADDRESS: __________________________________________

PHONE NUMBER: _____________________________________________

BY: ____________________________ TITLE: _______________________
    (Please Print)

DATE: ____________________________

SIGNATURE: _______________________

26
PROPOSED SUBCONTRACTORS

FIRM ____________________________________________________________

Name

_____________________________________________________________

Street

_____________________________________________________________

City       State          Zip Code

CONTACT______________________________TELEPHONE____________________

Please Print

TYPE OF WORK TO BE PERFORMED ______________________________________

...........................................................................................................

FIRM ____________________________________________________________

Name

_____________________________________________________________

Street

_____________________________________________________________

City       State          Zip Code

CONTACT______________________________TELEPHONE____________________

Please Print

TYPE OF WORK TO BE PERFORMED ______________________________________

...........................................................................................................

FIRM ____________________________________________________________

Name

_____________________________________________________________

Street

_____________________________________________________________

City       State          Zip Code

CONTACT______________________________TELEPHONE____________________

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TYPE OF WORK TO BE PERFORMED ______________________________________

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REFERENCES
Please list a minimum of three references of similar work performed within the last three years.

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CONTACT ___________________ TELEPHONE ___________________
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TYPE OF WORK TO BE PERFORMED ____________________________________________

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CONTACT ___________________ TELEPHONE ___________________
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