

**TOWN OF WATERTOWN  
WATERTOWN, CONNECTICUT**

**NOTICE OF BID**

**CCTV Inspection, Cleaning & Cement Lining of  
350 feet of 8 inch Ductile Iron Water Main**

**Water and Sewer Department**

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., Monday, August 29, 2016** at which time and place they will be publicly opened and read aloud for furnishing Highway Cathodic Protection System Upgrade to 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 – CCTV Inspection**".

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

**TOWN OF WATERTOWN  
WATERTOWN, CONNECTICUT 06795**

**INFORMATION FOR BIDDERS**

**CCTV Inspection, Cleaning & Cement Lining of  
350 feet of 8 inch Ductile Iron Water Main**

**BID OPENING: 11:00 a.m., Monday, August 29, 2016**

**PROPOSALS RECEIVED**

All bids must be in a sealed envelope and received prior to **11:00 a.m., Monday, August 29, 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.

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 him/herself with the exact existing conditions relating to the work and has fully informed him/herself 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/her obligation to furnish and deliver necessary 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.

### **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>. 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 emailed to the Town of Watertown, Purchasing Agent at [warner@watertownct.org](mailto:warner@watertownct.org), 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 posted on the Towns website Requested, no 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., Monday, August 29, 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.

## **SERVICE CENTER REQUIREMENTS**

Bidders must state the location of the nearest available factory authorized service center and the availability of twenty four (24) hour a day emergency service for all components of the equipment specified.

## **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, and shall proceed with the work diligently so as to permit completion no later than **sixty (60) calendar days after receipt of the Town's Purchase Order.**

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 and Sewer Department  
747 French St.  
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.

#### **(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 vender 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.

**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.

For further technical or administrative information contact Jason Warner, Purchasing Agent at (860) 945-5260 or via email at [warner@watertownct.org](mailto:warner@watertownct.org).

**TOWN OF WATERTOWN  
WATER AND SEWER AUTHORITY**

**CCTV INSPECTION, CLEANING AND CEMENT LINING  
OF 350-FEET OF 8-INCH DUCTILE IRON WATER MAIN  
IN  
MCDONNELL ROAD  
WATERTOWN, CT**

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**AUGUST 2016**

**CCTV Inspection, Cleaning and Cement Lining  
of 350-Feet of 8-Inch Ductile Iron Water Main  
in  
McDonnell Road  
Watertown, CT**

**Advertisement for Bids**

The project consists of CCTV Inspection, Cleaning and, if needed, Cement Lining of up to 350 linear feet of 8-inch ductile iron water main in McDonnell Road, Watertown, CT. The project also includes providing temporary water supply bypass piping to five (5) houses.

The Watertown Water and Sewer Authority will provide all access pits, trench boxes, steel plates, traffic control and police services as needed.

The foregoing is a general description only and shall not be construed as a complete description of the work to be performed for this project.

# TECHNICAL SPECIFICATIONS

00-003-1

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<u>SECTION NO.</u>	<u>NAME</u>
02-510	Temporary Bypass System
02-520	Pipe Cleaning, TV Inspection and Cement-Mortar Lining

CONTRACT DOCUMENTS

00-004-1

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<u>SECTION NO.</u>	<u>NAME</u>
00-300-1	Bid Form
Appendix A	Schematic: 8-Inch Water Main in McDonnell Road
Appendix B	Sketch: Houses That Will Need Temporary Bypass

UNIT PRICE BID FORM

CCTV INSPECTION, CLEANING AND CEMENT LINING  
OF 350-FEET OF 8-INCH DUCTILE IRON WATER MAIN  
IN MCDONNELL ROAD

WATERTOWN WATER AND SEWER AUTHORITY  
WATERTOWN, CONNECTICUT

TO: Town of Watertown, Office of the Purchasing Agent

FROM: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I, \_\_\_\_\_, propose to complete the work as described for the  
(Contractor's Name)  
following unit prices:

Specification	Item	Estimated Quantity and Unit Measure	Bidders Unit Price	Extended Total
2510	Temporary Bypass System	1 LS		
2520	Pipe Cleaning	1 LS		
2520	Television Inspection	1 LS		
2520	Cement-Mortar Lining	350 L.F.		
	<b>Sub-Total Items 1-4</b>			

Submitted by: \_\_\_\_\_  
(Signature)

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

**PART 1—GENERAL**

**1.01 SUMMARY**

**A. Section Includes**

1. The provision by the Contractor of all labor, tools, equipment and materials to furnish, install, chlorinate, maintain and remove 2-inch temporary water main pipes.
2. The provision by the Contractor of all labor, tools, equipment and materials to furnish, install, chlorinate, maintain and remove 3/4-inch service hoses between the street bypass and customer.
3. The Contractor shall provide temporary service for all OWNER customers whose permanent service line is:
  - a. out of service due to the replacement or extension of the depth main;
  - b. out of service due to the cleaning and lining of the depth main;
  - c. out of service due to the depth main to which it is connected being served only by a depth main being rehabilitated;
  - d. out of service for any other reason in connection with work under this Contract.
  - e. Temporary service shall be provided to house #s 82, 90, 115, 133 and 155 McDonnell Road.
4. The provision by the Contractor of on-call 24-hour per day, 7-days per week maintenance of the bypass system. Response time to complaints of problems with the bypass system shall be a maximum of one hour from time of initial contact.

**B. Related Sections**

1. Section 01110—Summary of Work.
2. Section 02520—Pipe Cleaning and Cement-Mortar Lining.

**1.02 SUBMITTALS**

- A. Submit complete information on the type, material, manufacturer, year of manufacture, pressure rating and manufacturer-suggested fittings and installation procedures for all sizes of bypass piping and all temporary service hoses to be supplied on the project.
- B. Submit complete information as required in Paragraph A above for temporary fire hydrants to be supplied on the project. Include information on rated capacity versus pressure.
- C. Submit proposed bypass layouts, including supply points, during the course of the project and a minimum of two weeks prior to the field laying of the system.

## TEMPORARY BYPASS SYSTEM

02-510-2

- D. Submit proposed design for ramps over bypass hoses. The design for such ramps shall be in accordance with the Americans with Disabilities Act (ADA) regulations and as required by Paragraph 3.01.G of this section.

### 1.03 OWNER SUPPLIED MATERIALS AND WORK—None.

### 1.04 QUALITY ASSURANCE

- A. The Contractor shall only use piping, hose and related materials which are approved by the National Sanitation Foundation (NSF) for use in potable water transfer.
- B. All portions of the bypass system shall be disinfected using AWWA Standard Methods, as noted herein, prior to being put into use or reused. The Contractor shall put no element of the bypass system into use without OWNER'S approval after OWNER sampling and testing, including residual testing after flushing.

### 1.05 TASTE AND ODOR CONTROL

- A. Under certain conditions certain elements of the temporary bypass system may impart undesirable tastes and odors to water carried within the system. The Contractor and OWNER shall work together to insure that the duration and amount of such imparted taste and odors are held to the absolute minimum. Methods are to be employed by the Contractor of insure that this minimum is achieved. Contractor taste and odor control methods will include but not be limited to the following:
  - 1. The scheduling of the work, including service restorations, and allowance of time for OWNER depth main disinfection, such that no OWNER customer must be supplied by bypass system water for more than twenty-one (21) days.
    - a. These twenty-one days shall begin at the actual day that the customer is supplied only by bypass water and shall end when the disinfected depth main is available again to the customer.
    - b. House-to-house hook-ups by temporary hose are considered part of the bypass system.
    - c. The Contractor shall, or require any subcontractor working for him to, increase his work force such that the time frame established above is maintained. Any such work force addition shall be provided at no extra cost to the OWNER.
    - d. Failure of the Contractor to meet the maximum twenty-one day time period may result in the OWNER completing whatever work is necessary at whatever labor rate necessary to return affected customers to depth main service. The cost of any work so performed by the OWNER will be deducted from money due to the Contractor, payable under any temporary bypass contract unit price or contract retainage, at the OWNER'S sole discretion.

2. The installation of bleeder valve hoses on the bypass system. Such hoses will be operated by, and at the discretion of, the OWNER in order to provide continual water movement within the bypass system. Bleeder valves and hoses shall be typical of those used as temporary service connections in the project and shall:
  - a. be located on 2-inch, 4-inch and 6-inch bypass piping;
  - b. be located on piping at intervals of approximately 300 feet, or as otherwise stipulated by the OWNER;
  - c. discharge into State or municipal storm sewer systems; a minimum of a 2-inch vertical drop shall separate the end of the bleeder hose and the receiving system;
  - d. be laid alongside the bypass piping at the pavement edge;
  - e. be constructed of materials of such strength to resist the loading, impacts, abrasion and pressures typically resisted by project bypass piping;
  - f. by the Contractor, be connected to any water meter for flow measurement provided by the OWNER;
  - g. be ramped over at drives and sidewalks as typical of other bypass piping and hoses and as specified herein;
  - h. be 3/4-inch in diameter and valved.
  
3. The use of white or lighted colored heat-reflective tape or paint on bypass piping in order to reduce the solar rise in water temperature within dark colored bypass piping where such piping is determined by the Owner to be imparting unacceptable tastes or odors to the water.

- B. The OWNER reserves the right to reject and order the Contractor to remove and replace any temporary bypass piping or hose which, in the opinion of the OWNER, results in excessive customer taste and odor complaints. This work shall be performed at no additional cost to the OWNER.

#### 1.06 DELIVERY, STORAGE AND HANDLING

##### A. Responsibility for Material Furnished by Contractor

1. The Contractor shall be responsible for any material furnished by him and shall replace, at his own expense, all such material found defective in manufacture or damaged in handling after delivery by the manufacturer, at no additional cost to the OWNER.

##### B. Responsibility for Safe Storage

1. All pipe, fittings, valves and other accessories furnished by the Contractor shall be kept, stored and transported in such a manner so as to remain free from dirt and foreign material at all times.

**PART 2—PRODUCTS**

**2.01 MATERIALS**

- A. All components of the bypass system shall be capable of operating at the pressures which they will be subject to, including surge and temperature induced pressures, and adequate to withstand whatever forces, such as traffic loading, they will encounter. The work area has a maximum pressure gradient of 70 psi.
- B. All pipe, hose, fittings and all other materials supplied by the Contractor shall be new or in like-new condition. All valves used in the system shall be in excellent working condition and capable of completely shutting off flow when in the closed condition.
- C. Banding shall be used at all connections, splices, etc. The use of pipe or hose clamps on the bypass system will not be permitted.
- D. All components of the temporary bypass system shall be NSF approved for potable water transfer and delivery.
- E. Materials for ramps over bypass piping at driveways and other such areas shall be bituminous concrete, processed gravel or manufactured wheel ramps. If processed gravel is used, the Contractor shall provide for means to divert curb-line storm water away from the gravel in order to minimize washout during storm events.
- F. Materials for hose ramps shall be weather resistant. The ramp portion of these ramps shall have an antislip surface.

**PART 3—EXECUTION**

**3.01 GENERAL**

- A. The Contractor shall furnish, install, chlorinate, maintain and remove bypass and temporary service pipe and hose of the size required, as specified herein, to adequately serve water customers.
- B. All bypass shall be fed from two (2) sources unless a single feed allowance is made by the OWNER for a submitted bypass plan. In the event a bypass pipe is dead ended it shall terminate with a 2-inch valve for flushing and chlorination.
- C. Customers' service lines which will be out of service for a limited period of time, in the opinion of the OWNER, need not be bypassed but all other provisions regarding adequate notice and hours of shutdown shall be strictly adhered to.

## TEMPORARY BYPASS SYSTEM

02-510-5

- D. In general, bypass piping shall be laid along the side of the roadway adjacent to the curb line or edge of pavement line.
- E. At locations where the pipe is subject to minimal traffic, such as at driveways, the pipe shall be adequately protected by excavating and setting the pipe below grade or "ramping" it with materials defined in 2.01.E above.
- F. All bypass pipe 2-inches or larger which crosses the road, sidewalk, handicapped ramps, intersections or extends around the radius of an intersecting street shall be installed below the surface grade. All such crossings shall be repaired or restored by saw-cutting back the bituminous pavement a minimum of 12-inches prior to repaving.
- G. The Contractor shall ramp over all bypass hoses to provide for wheelchair access on affected sidewalks or other walkways. Ramping shall be in accordance with ADA (Americans with Disabilities Act) regulations. Ramps shall remain in place until the removal of the bypass hoses and shall be maintained at all times by the Contractor.
1. This requirement shall apply to temporary service piping or hoses less than 2-inches in diameter.
  2. These ramps shall have a slope of 1-inch rise for each 12-inches in length and have an antislip surface. The hose ramps shall be constructed as shown in the Appendices or as approved by the OWNER.
- H. It is the sole responsibility of the Contractor to take all necessary precautions to avoid injury, damages or loss to the public and/or their property when installing, using, maintaining or removing any and all bypass lines. These precautions shall include, but are not limited to, "ramping", barricades and other devices. Any injury, damage or other loss to or of the public resulting from the Contractor's bypass system is the responsibility of the Contractor. Failure of the Contractor to fulfill this responsibility shall result in the OWNER making reparation from monies due the Contractor at the OWNER'S sole discretion. All barricades or signs in a walkway shall have a lower bar that can be detected by the visually impaired. The clearance from the surface to the lower bar must be no greater than 27-inches and as referenced in the Americans with Disabilities Act Section 4.4 Accessibility Guidelines.
- I. Unless otherwise noted herein or on the Drawings, two bypass piping lines shall feed services on any street. The minimum size of bypass supply piping is 2-inches. Four-inch piping shall be used for the entire length of the hydrant side of streets, unless otherwise allowed or directed by the OWNER. Six-inch bypass piping shall be used on the hydrant side of streets with a 16-inch or larger depth main, or anywhere else otherwise deemed necessary by the OWNER. The OWNER will notify the Contractor regarding the use of 6-inch bypass during review of Contractor bypass layout submittals. On cul-de-sacs or other

dead-ended streets, in general the Contractor will be permitted to use 2-inch bypass on the non-hydrant side of the street. This 2-inch piping shall be connected to the hydrant side 4-inch piping at the street's end.

- J. Bypass piping shall be installed in a neat manner and shall be substantially parallel with the curb line or edge of pavement.
- K. No bypass pipe or hose shall remain in place after November 1<sup>st</sup>, and none shall be put in place prior to April 15<sup>th</sup> unless specifically permitted by the OWNER.
- L. All bolts on bypass couplings shall be either installed on the inside of the curb area or covered with asphalt or similar material to minimize damage to tires of passing vehicles.

**3.02 TEMPORARY FIRE HYDRANTS—None.**

**3.03 DISINFECTION**

- A. All portions of the temporary bypass system shall be flushed to remove any dirt or other deleterious material and then disinfected in accordance with ANSI/AWWA Standard C651, latest revision, "AWWA Standard for Disinfecting Water Mains", prior to being put into use for potable water supply.
- B. Any portion of the bypass system removed from a disinfected and OWNER-approved section of bypass, shall be re-disinfected in accordance with 3.03.A prior to reuse. Any addition to an operating or disinfected section of bypass shall be, prior to inclusion, disinfected in accordance with 3.03.A above.
- C. Temporary service hoses may be disinfected off-site under procedures pre-approved by and witnessed by the OWNER. The Contractor shall provide a method acceptable to the OWNER for distinguishing disinfected and non-disinfected hoses. Temporary hoses to be disinfected off-site shall be disinfected in groups of 25 or more so as not to be an inspection burden to the OWNER. Off-site disinfection shall occur within five (5) miles of the project site. Hoses disinfected under this Section shall be transported to the project site with disinfected end plugs in place on both ends of the hose. No disinfected plug shall be removed until the time connection is made to the piping or customer.
- D. Temporary service hoses may also be disinfected as part of a temporary piping system disinfection.
- E. The OWNER will perform all chlorine residual and bacteriological sampling and laboratory testing of Contractor disinfected bypass. The Contractor shall give the OWNER 24-hours' notice for any sampling necessary.
- F. After OWNER has sampled the bypass, no section of the sampled system shall be opened, drained, repaired or otherwise penetrated without complete reinitiation of testing.

## TEMPORARY BYPASS SYSTEM

02-510-7

- G. After completion of testing, the OWNER will notify the Contractor of the results. The Contractor shall then flush the disinfected main until the water leaving the bypass system has a chlorine residual no higher than that generally prevailing in the distribution system, or is acceptable for domestic use.
- H. Short connections to the disinfected system may be made by the Contractor. Such connections shall be made in accordance with AWWA C651 Section 9.1, except that a short section shall be considered to be 10-feet or less in length and all associated disinfection shall be witnessed by the OWNER.
- I. Disinfection of repairs necessary to the in-use bypass system shall be made in accordance with Section 10 of AWWA C651.

### 3.04 PROTECTION AND DELINEATION OF THE BYPASS SYSTEM

- A. In order to protect and field delineate the bypass system, the Contractor shall provide and install the following:
  - 1. Road cones shall be placed in the curb line at all temporary service hose connections.
  - 2. Road cones shall be placed on both curb lines at road bypass crossings.
  - 3. Road cones shall be placed at a minimum of 50-foot intervals on both curb lines where bypass is laid.
  - 4. Road cones shall be placed at all bypass fittings which may result in personal property injury or damage.
  - 5. Road cones shall be clean and in good condition. Any cones deemed unsuitable by the OWNER shall be replaced at no additional cost to the OWNER.

### PART 4—MEASUREMENT AND PAYMENT

- A. One complete system with lump sum payment.

**PART 1—GENERAL****1.01 SCOPE OF WORK**

- A. Furnish all tools, labor, materials, equipment and incidentals required to clean and cement-mortar line a total of up to 350 linear feet of ductile iron water main as shown on the Drawings and as specified herein.
- B. Furnish all tools, labor, materials, equipment and incidentals required to clean and cement-mortar line 8-inch and larger services if so directed by the OWNER.
- C. Furnish all tools, labor, materials, equipment and incidentals required to provide television camera and videotaping or digital recording of a maximum of 350 feet of OWNER-selected pipeline segments.
- D. The total length of lining to be done shall be determined by the Town after cleaning and television inspection of the water main is complete.

**1.02 RELATED SECTIONS—N/A.****1.03 REFERENCES**

- A. AWWA C602-06, AWWA Standard for Cement-Mortar Lining of Water Pipelines in Place-4-Inches and Larger. This reference and project specific amendments can be found in the Appendices.

**1.04 SUBMITTALS**

- A. Complete submittals of all methods and materials to be used in the cleaning and lining process, in accordance with Section 01330.
- B. Provide certified lab analysis of both the sand and cement used to make up the cement lining mortar mixture.

**1.05 QUALITY ASSURANCE**

- A. It is the intent of these specifications to secure the best workmanship consistent with the job conditions. No provision in these specifications shall be construed by the Contractor as an excuse for poor workmanship or results. Any requirements which are in conflict with the Contractor's usual methods shall be brought to the attention of the OWNER prior to the start of any work.

**PART 2—PRODUCTS**

**2.01 MATERIALS**

- A. Cement-mortar lining materials shall meet the requirements of AWWA C602.
- B. Pozzolanic material shall not be used.
- C. Admixtures shall not be used unless expressly permitted by the OWNER.

**2.02 CEMENT-MORTAR MIXTURE**

- A. The cement-mortar mixture shall meet the requirements of AWWA C602 but shall be one part Type I Portland Cement to one part sand by volume.
- B. Unless otherwise permitted by the OWNER, the mixture shall be composed of cement, sand and water only.
- C. Mortar shall not be retempered by the mixing in of additional water.
- D. Mortar shall be used before its initial set.
- E. No mortar exhibiting clumping shall be used.
- F. Slump tests on the mortar shall be performed by the Contractor in the presence of the OWNER when requested by the OWNER. The OWNER will request slump tests periodically and anticipates that no more than forty (40) tests will be required. Test shall be performed in accordance with ASTM C143.

**PART 3—EXECUTION**

3.01 All work done under this Section shall be done in accordance with AWWA Specification C602, as amended in the Appendices, unless otherwise stated herein. Any conflict between AWWA C602 and this specification will be resolved at the discretion of the OWNER.

**3.02 OBSTRUCTIONS**

- A. An Obstruction is defined as any bend, fitting or other item in the pipeline which hinders the cleaning and lining operation and is not shown or noted on the Drawings or has not been previously field identified.
- B. The Town shall make additional openings at Obstructions in order to proceed with the work.

3.03 MISMARKED MAINS

- A. A Mismarked Main is defined as an excavation and pipe opening made by the Contractor at a point marked by the OWNER as being a transition point between existing unlined and lined pipe which proves not to be the transition point or an excavation made by the Contractor at a point marked by the OWNER as being a valve, branch, main or other fitting where the actual location proves to be greater than 4-feet (horizontally) from the marked location.
- B. If, within the same excavation as described above, the Contractor finds the Mismarked Main then no additional payment will be made for the Mismarked Main.
- C. An additional payment will be made to the Contractor for each Mismarked Main encountered in the work in accordance with Part 4 of this Section. Payment made hereunder is taken as full compensation to the Contractor for ALL work required to determine a Mismarked Main, repair and backfill the pipe, obtain permits, provide traffic control, etc.

3.04 WATER MAIN OPENINGS

- A. The Town shall supply all access pits and openings.

3.05 CONDITION OF WATER MAIN

- A. After opening the water main the OWNER will determine if the structural condition of the main is suitable for cleaning and lining through Metal Restoration and Cleaning per Section 05910 or other means. If the main exhibits such poor condition, i.e. deteriorated, that cleaning and lining is not justified, the OWNER may direct the Contractor to close the main until future restoration work by the OWNER is undertaken. If it is found that only a portion of the water main needs to be relined, then only that section will be lined.

3.06 PIPE CLEANING

- A. Pipe cleaning shall be accomplished by methods which do not include the use of water and which do not score or otherwise damage the pipes.
- B. All rust, corrosion products, tubercles, deposits, old coatings, oil, grease, dirt, debris and other foreign materials shall be removed by the Contractor to produce a surface satisfactory to the OWNER for the application of cement-mortar lining.
- C. Old bituminous coatings shown on the Drawings to be lined over, and if satisfactorily adhered to the pipe, may be left in place providing there are no sharp edges between coated and uncoated areas nor any tuberculation.
- D. Several passages of the cleaning apparatus in both directions may be required to produce the specified results. A prover shall be used with the cleaning apparatus.

## PIPE CLEANING AND CEMENT-MORTAR LINING

02-520-4

- E. Nothing shall be left on the pipe surfaces which in any way, or at any time, may harm the cement-mortar lining or cause it to be less adherent.
- F. All standing water shall be removed from the pipe.
- G. Material removed from the pipe shall not be discharged to any street gutter system, storm sewer, water course or sanitary sewer.
- H. Material removed from the pipe and proposed to be used as a portion of the backfill shall be completely dried before such use. This material may not constitute more than 5% of any backfill lift and shall be thoroughly mixed with approved native or borrowed backfill materials.
- I. Over-excavation of holes used for pipe cleaning will be permitted to the extent necessary to contain materials cleaned from the pipe and to keep their level below the water main invert. Such over-excavation and additional backfill material required therefore will be provided by the Contractor at no additional cost to the OWNER and are not considered payable over-excavation as discussed in Section 02002.
- J. At his option the Contractor may remove the solids cleaned from the mains entirely out of the project area. The Contractor shall dispose of these solids in accordance with applicable laws and ordinances.
- K. The Contractor may also pump the solids to a filtering mechanism at street level. Clean discharge, i.e. discharge with no color tint or visible solids, from the filter may be discharged to the storm sewer system.
- L. Hand cleaning of short sections of pipe and at fittings is permitted.
- M. The use of swabs will be permitted to remove remaining loose debris and standing water from the main after cleaning.
- N. After pipe cleaning but before the lining operation begins, the Contractor will clear ("blow back") all service laterals on the section of pipe to be lined. The laterals will be back-flushed with potable water. Disposal of water accumulating in excavations from the back-flushing is the responsibility of the Contractor. This water shall be considered cleaning residue and shall be handled in accordance with Paragraph G above. The Contractor shall give adequate notice to the OWNER regarding the scheduling of the back-flushing.

### 3.07 CEMENT-MORTAR LINING

- A. All water mains less than 12-inches in diameter shall receive a 3/16-inch cement-mortar lining. All mains 12-inches to 20-inches in diameter shall receive a 1/4-inch cement-mortar lining. All mains 24-inches to 36-inches in diameter shall receive a 5/16-inch cement-mortar lining. In all instances, tolerance for lining thickness shall be plus 1/8-inch and minus 1/16-inch.

- B. Tees, crosses, wyes and similar branch fittings may be lined through.
- C. As soon as practically possible after a section has been cleaned by the Contractor and blow-back by and to the satisfaction of the OWNER, it shall be cement-mortar lined. No lining shall take place unless the OWNER is present and has inspected the cleaned pipe.
- D. The lining shall consist of one course of continuously applied cement-mortar placed by a centrifugal machine. Such machine shall project the mortar against the wall of the pipe without rebound and at a sufficient velocity to cause the mortar to be densely packed and to adhere in place. Hand lining may be used on short pipe pieces and on fittings.
- E. The Contractor shall limit the maximum distance of a cement lining run to approximately 500 liner feet.
- F. The mortar shall be mechanically troweled or dragged to produce a satisfactorily and consistently smooth surface which is of constant thickness.
- G. All openings to the pipe section shall be kept closed by airtight and watertight pipe plugs to prevent air circulation in order to create a moist atmosphere for adequate curing.
- H. The OWNER will inspect all pipelines immediately after the completion of the lining run and notify the Contractor as to acceptability.
- I. Defects including, but not limited to, sand pockets, voids, over-sanded areas, excessively cracked areas, areas with lining thinner than specified or exceeding thickness tolerances, and areas of inconsistent, rough or otherwise unsatisfactory surface finish will be reason for rejection of the lining run unless repaired by the Contractor
- J. Repair of defective linings shall be total removal of the defective area from the pipe segment before the lining reaches its initial set. The pipe segment shall then be relined with new cement-mortar.
- M. Upon completion of the removal of any defective lining, the Contractor shall attempt to clear ("blow back") all service laterals on the affected pipe segment. Should the Contractor be unable to blow back any service lateral on the affected segment, the Contractor may take appropriate restorative action. Any such action will be at the Contractor's expense, and any damage caused by said restorative action will be the sole responsibility of the Contractor.
- N. After the lining operation is completed, and after an approximate 2-hour initial cure but before final cure, the Contractor will clear ("blow back") all service laterals on the newly-lined main. The laterals will be back-flushed with potable water. Disposal of this "clean" water for pipelines or excavations is the responsibility of the Contractor.

3.08 PIPE CLOSURE

- A. The Town will be responsible to close the pipeline.

- B. The pipeline shall be closed and filled by the Town within 24 to 48 hours after the completion of the lining. No water pressure other than that imposed by static head elevations shall be applied.
- C. The line shall be inspected by means of a closed-circuit television camera after cleaning and if cement lined, after the cement lining is cured. Inspection shall be done as required to the satisfaction of the OWNER.

### 3.09 TELEVISION INSPECTION AND CEMENT LINING

- A. After curing, the line shall be inspected by means of Contractor supplied television camera and video or digital recording equipment.
- B. Television inspection shall be performed after the new mortar lining has cured, but in no case more than four (4) days after completion of the lining.
- C. Television inspection shall be accomplished by the use of closed-circuit television and video or digital recorder. The inspection shall be conducted so as to produce continuous video or digital recordings of the various pipes lined under this section. The total pipeline shall be described by the narrator stating the size, location and limits of each section recorded. This information shall also be visually recorded at the beginning of the recording.
- D. The television camera used for this inspection shall be one especially designed and constructed for pipe inspection and shall have its own lighting system providing light levels from 50 to 100-foot candles. Picture quality shall be such as to produce a continuous 600-line resolution picture showing the entire periphery of the pipe. Picture quality and delineation shall be such that the interior of the pipe can be clearly seen without static interference of any kind.
- E. All excess water shall be removed from the pipeline prior to television inspection. Video or digital recordings taken when there is water in the pipe will not be accepted by the OWNER.
- F. The video or digital recording furnished to the OWNER shall be of DVD or VHS color format and shall have a distance indicator present at all times on the recording. The recording shall be in focus at all times during the lining run. The distance shown on the recording shall not be used for payment purposes, but shall be used for general purposes of locating the section.
- G. Continuous video or digital recordings with voice narration shall be supplied to the OWNER, and shall become the property of the OWNER.
- H. All television inspection work shall be continuously monitored by the OWNER unless other action is specifically authorized.
- I. The OWNER shall view the recording within 48 hours of receipt and will then make a determination as to acceptance of the work and to activating the water pipe.

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**PART 4—MEASUREMENT AND PAYMENT**

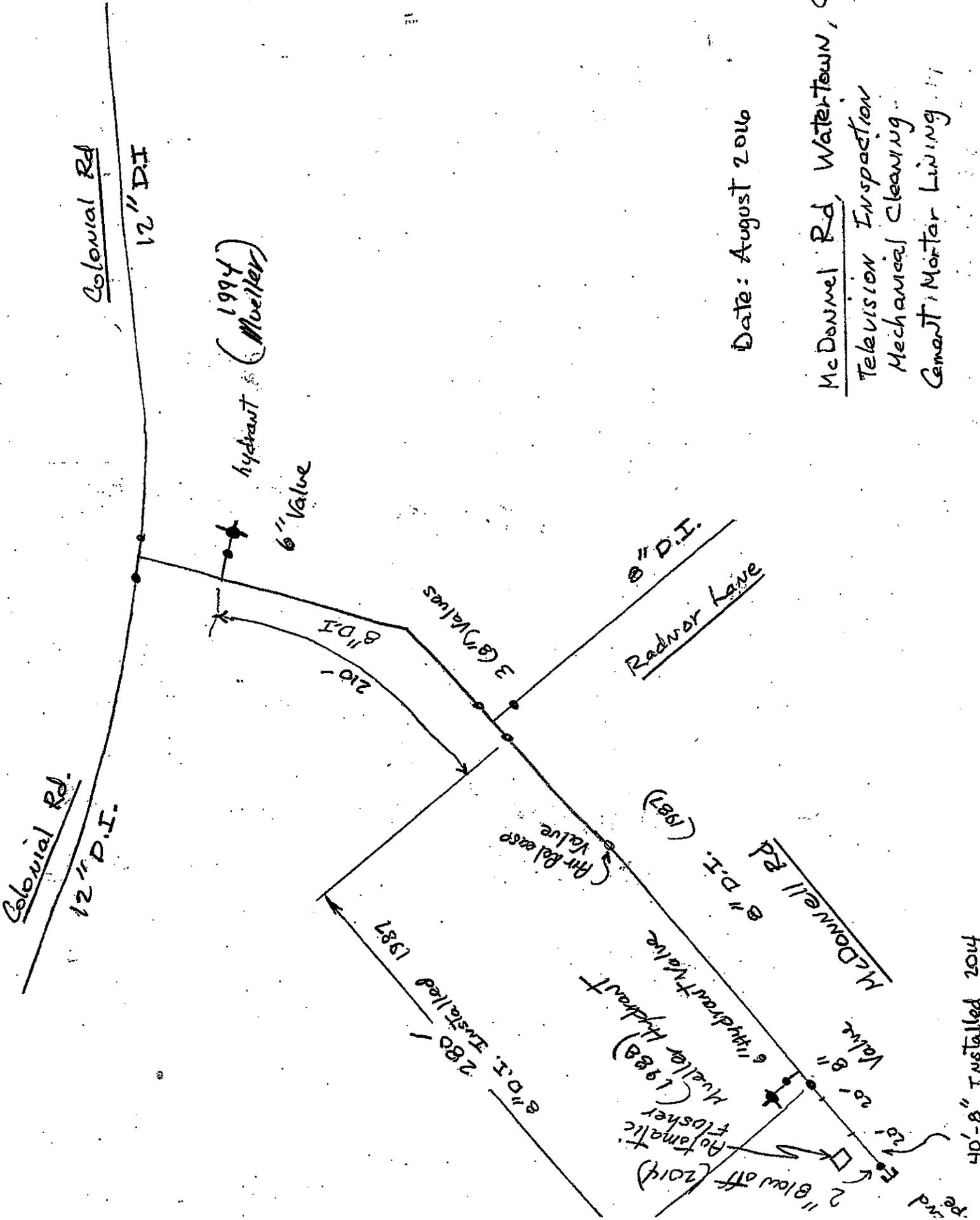
**4.01 MEASUREMENT**

- A. **Cleaning**—This work will not be measured “per unit” but will be counted as one (1) complete item, cleaning up to 350 linear feet of water main as required.
- B. **Television Inspection**—This work will not be measured “per unit” but will be counted as one (1) complete item. Television inspection of approximately 350 feet of ductile iron water main at the following times: Before cleaning; after cleaning; after lining, if needed; and any other time deemed necessary by the Engineer.
- C. **Lining**—This work will be measured by the actual number of linear feet of water main cement-mortar lined and accepted and measured in place.

**4.02 PAYMENT**

- A. **Cleaning**—A lump sum payment.
- B. **Television Inspection**—A lump sum payment.
- C. **Lining**—This work will be paid at the contract unit price per lineal foot

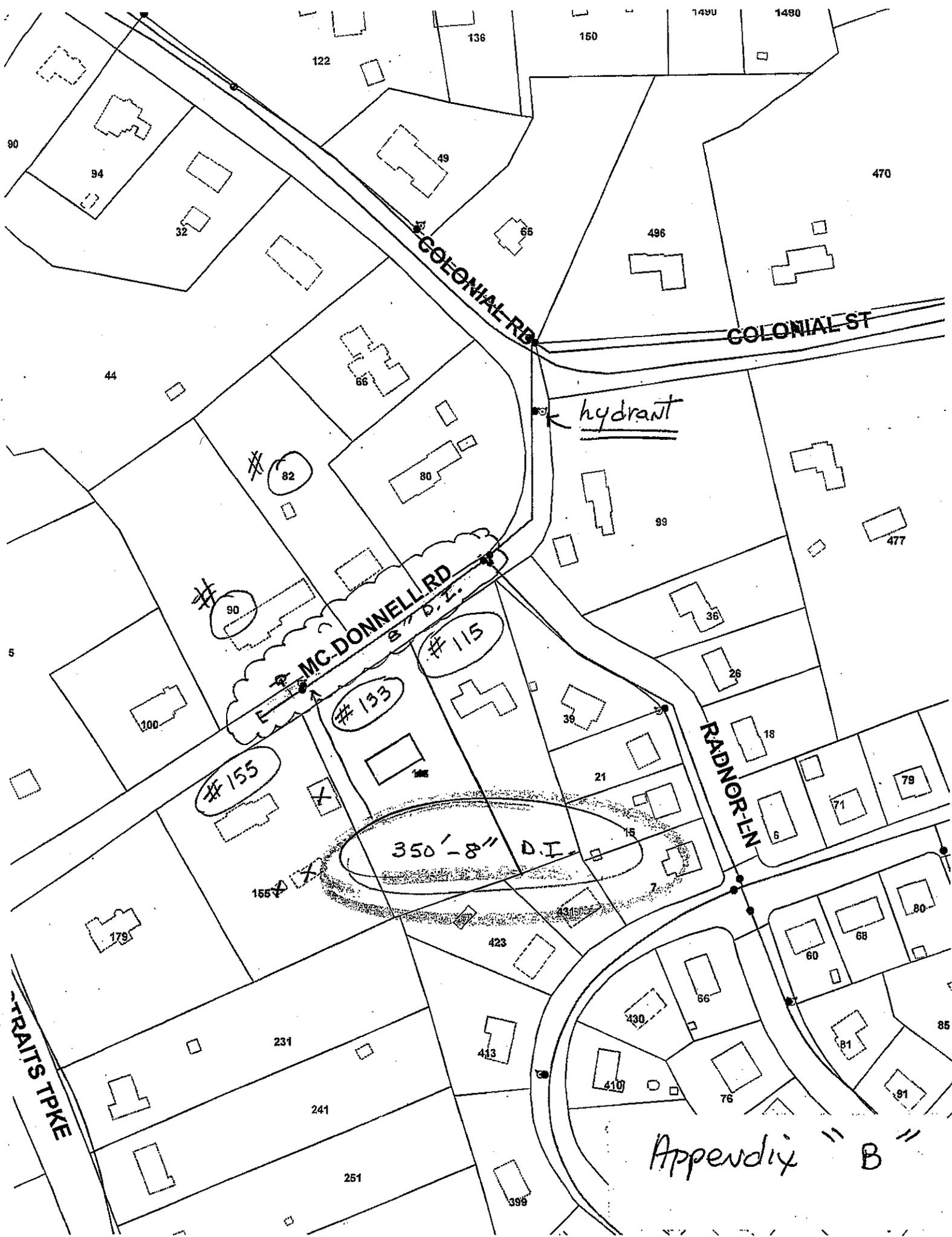
Appendix "A"



Date: August 2016

McDonnell Rd, Watertown, CT  
 Television Inspection  
 Mechanical Cleaning  
 Cement Mortar Lining

40'-8" Installed 2014



**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**

**CCTV Inspection, Cleaning & Cement Lining of  
350 feet of 8 inch Ductile Iron Water Main**

**BID OPENING: 11:00 a.m., Monday, August 29, 2016**

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

The undersigned, as bidder, agrees to furnish CCTV Inspection, Cleaning and Cement lining of 350 feet of 8 inch ductile iron water main 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 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 \_\_\_\_\_

**BID FORM**

**00-300-1**

**UNIT PRICE BID FORM**

**CCTV INSPECTION, CLEANING AND CEMENT LINING  
OF 350-FEET OF 8-INCH DUCTILE IRON WATER MAIN  
IN MCDONNELL ROAD**

**WATERTOWN WATER AND SEWER AUTHORITY  
WATERTOWN, CONNECTICUT**

**TO: Town of Watertown, Office of the Purchasing Agent**

**FROM:** \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

I, \_\_\_\_\_, propose to complete the work as described for the  
(Contractor's Name)  
following unit prices:

<b>Specification</b>	<b>Item</b>	<b>Estimated Quantity and Unit Measure</b>	<b>Bidders Unit Price</b>	<b>Extended Total</b>
2510	Temporary Bypass System	1 LS		
2520	Pipe Cleaning	1 LS		
2520	Television Inspection	1 LS		
2520	Cement-Mortar Lining	350 L.F.		
	<b>Sub-Total Items 1-4</b>			

Submitted by: \_\_\_\_\_  
(Signature)

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



**RECEIPT OF ADDENDA**

<u>ADDENDUM #</u>	<u>SIGNATURE</u>	<u>DATE</u>
1.	_____	__/__/__
2.	_____	__/__/__
3.	_____	__/__/__
4.	_____	__/__/__

NAME OF BIDDER: \_\_\_\_\_

OFFICIAL ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

BY: \_\_\_\_\_ TITLE: \_\_\_\_\_  
(Please Print)

DATE: \_\_\_\_\_

SIGNATURE: \_\_\_\_\_

**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 \_\_\_\_\_  
Please Print  
TYPE OF WORK TO BE PERFORMED \_\_\_\_\_

\_\_\_\_\_

**REFERENCES**

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

FIRM \_\_\_\_\_  
Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

CONTACT \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
Please Print  
TYPE OF WORK TO BE PERFORMED \_\_\_\_\_

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FIRM \_\_\_\_\_  
Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

CONTACT \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
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TYPE OF WORK TO BE PERFORMED \_\_\_\_\_

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FIRM \_\_\_\_\_  
Name \_\_\_\_\_  
Street \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

CONTACT \_\_\_\_\_ TELEPHONE \_\_\_\_\_  
Please Print  
TYPE OF WORK TO BE PERFORMED \_\_\_\_\_

\_\_\_\_\_