

**PURCHASING DIVISION
CITY OF WORCESTER
MASSACHUSETTS 01608-1895
ROOM 201 - CITY HALL 455 MAIN ST
PHONE (508) 799-1220**

**SEALED BID INVITATION
(Supplies, Material, Equipment, Services)**

AN EQUAL OPPORTUNITY AFFIRMATIVE ACTION EMPLOYER

SEALED BID NO. CR-8267-M5

DATE: August 20, 2024

**CITY OF WORCESTER
Chris Gagliastro, MCPPO
Purchasing Agent**

BUYER: Stephen R. McDonald

**NOTICE TO BIDDERS
TERMS AND CONDITIONS**

All bids are subject to the terms and conditions and specificity herein set forth except where specifically deleted by the City of Worcester in Section No. 6 below.

COMPLETE ORIGINAL COPY (including ALL pages) OF THIS BID MUST BE SUBMITTED IN A SEALED ENVELOPE:

DATE: September 11, 2024 TIME: 10:00 A.M. LOCAL TIME

PLACE: Purchasing Division, Room 201, City Hall, Worcester, Massachusetts

MARK SEALED ENVELOPE "Sealed Bid No. CR-8267-M5, Leak Detection Services – DPW & Parks"

The name and address of the bidder must appear in the upper left-hand corner of the envelope. The City of Worcester is not responsible for bids not properly marked.

GENERAL

1. This Bid Invitation covers: Leak detection services for the period of September 12, 2024 thru September 11, 2025 as per the requirements and specifications of the City of Worcester Department of Public Works and Parks. This contract may be renewed for a second and third one (1) year period, at the sole discretion of the City of Worcester, the option of which will be determined at the end of each contract period (See Page 10).
2. A certified check or bid bond made payable to the "City Treasurer, City of Worcester" in the Amount of \$ N/A must accompany this bid.
3. All bids received will be publicly opened and read in the Bid Room at City Hall at date and time shown above.
NO BID WILL BE ACCEPTED AFTER TIME AND DATE SPECIFIED
4. A performance bond in the amount of \$ N/A of the total dollar award is required.
5. A payment bond in the amount of \$ N/A of the total dollar award is required.
6. All terms and conditions are applicable to this proposal except the following section numbers which are hereby deleted from this invitation: N/A.
7. **Questions pertaining to this bid must be directed to Stephen R. McDonald via email at MCDONALDS@worcesterma.gov.**

8. The following meanings are attached to the defined words when used in this bid form.
 - (a) The word "City" means The City of Worcester, Massachusetts.
 - (b) The word "Bidder" means the person, firm or corporation submitting a bid on these specifications or any part thereof.
 - (c) The word "Contractor" means the person, firm or corporation with whom the contract is made by carrying out the provisions of these specifications and the contract.
 - (d) The words "Firm Price" shall mean a guarantee against price increases during the life of the contract.
9. Any prospective bidder requesting a change in or interpretation of existing specifications of terms and conditions must do so within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date. All requests are to be in writing to the Purchasing Division (or e-mailed at: MCDONALDS@worcesterma.gov) and are to be in duplicate. No changes will be considered or any interpretation issued unless the request is in our hands within five (5) days (Saturdays, Sundays and Holidays excluded) BEFORE scheduled bid opening date.
10. The contractor will be required to indemnify and save harmless the City of Worcester, for all damages to life and property that may occur due to his negligence or that of his employees, subcontractors, etc., during this contract.
11. The Contract Agreement will be in the form customarily employed by the City of Worcester and is on file in the Purchasing Division at City Hall.
12. Bids which are incomplete, not properly endorsed, or signed, or otherwise contrary to these instructions will be rejected as informal by the Purchasing Agent. **Conditional bids will not be accepted.**
13. The Bidder must certify that no official or employee of the City of Worcester, Massachusetts is pecuniarily interested in this proposal or in the contract which the bidder offers to execute or in expected profits to arise therefrom, unless there has been compliance with provisions of G.L. C. 43 Sec. 27, and that this bid is made in good faith without fraud or collusion or connection with any other person submitting a proposal.
14. As the City of Worcester is exempt from the payment of Federal Excise Taxes and Massachusetts Sales Tax, prices quoted herein are not to include these taxes.
15. All prices are to be firm F.O.B. Destination, City of Worcester, Massachusetts, unless otherwise indicated by the City. **Time reserved for award is ninety days.**
16. In case of error in the extension prices quoted herein, the unit price will govern.
17. It is understood and agreed that should any price reductions occur between the opening of this bid and delivery of any order, the benefit of all such reductions will be extended to the City.
18. The City of Worcester reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interest of the City.
19. Awards will be made to the bidder quoting the lowest net price in accordance with the specifications.
20. The supplier will be bound by all applicable statutory provisions of law of the Federal Government, the Commonwealth of Massachusetts, the City of Worcester, and the Department of Public Safety of the Commonwealth of Massachusetts.
21. Any bid withdrawn after time and date specified, the bidder shall forfeit deposit on bid as liquidated damages.
22. The contractor will not be permitted to either assign or underlet the contract, not assign either legally or equitably any monies hereunder, or its claim thereto without the previous written consent of the City Treasurer and of the Purchasing Agent of the City of Worcester.

23. If this bid shall be accepted by the City, and the bidder shall fail to contract as aforesaid and to give a bond in the amount as specified in Section 4, within ten (10) days, (not including Sunday or a legal Holiday) from the date of the mailing of a notice from the City to him/her, according to the address given herewith, that the contract is ready for signature, the City may by option determine that the bidder has abandoned the contract and thereupon the proposal and acceptance shall be null and void and the bid security accompanying this proposal shall become the property of the City as liquidated damages.
24. When quoting, the bidder shall submit a signed copy of this bid form, and if bid accepted by the City shall constitute part of the contract of purchase. Do not detach any part of this form 30B (Sealed Bid Goods & Services) when submitting a bid. Bidder must sign and return complete form 30B (Sealed Bid Goods & Services).
25. If in the judgment of the Purchasing Agent any property is needlessly damaged by an act or omission of the contractor or his/her employees, servants or agent, the amount of such damages shall be determined by the Purchasing Agent of the City of Worcester and such amount shall be deducted from any money due the contractor or may be recovered from said contractor in actions at law.
26. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents and/or Acts of God.

INSURANCE AND WORKER'S COMPENSATION

27. **COMMERCIAL GENERAL LIABILITY INSURANCE:** Contractor to supply the City of Worcester with certificates of insurance evidencing general liability coverage of not less than \$ 1,000,000.00 per occurrence / \$ 2,000,000.00 aggregate. .
28. **AUTOMOBILE LIABILITY INSURANCE:** Contractor to supply the City of Worcester with certificates of insurance evidencing automobile liability coverage, bodily injury and property damage combined single limit, of \$ 1,000,000.00 (all owned, hired, and non-hired autos).
29. **COMPENSATION INSURANCE:** The contractor shall furnish the City of Worcester with certificates showing that all of his/her employees who shall be connected with this work are protected under the statutory Massachusetts worker's compensation insurance policies.
30. The Contractor shall carry commercial general liability insurance with an insurance company satisfactory to the City so as to save the City harmless from any and all claims for damages arising out of bodily injury to or death of any person or persons, and for all claims for damages arising out of injury to or destruction of property caused by accident resulting from the use of implements, equipment or labor used in the performance of the contractor or from any neglect, default or omission, or want of proper care, or misconduct on the part of the Contractor or for anyone of his employ during the execution of the contract.
31. Prior to starting on this contract, the Contractor shall deposit with the Contracting Officer certificates from the insurer to the effect that the insurance policies required in the above paragraphs have been issued to the Contractor. The certificates must be on a form satisfactory to the Purchasing Agent.
32. Except as may otherwise be stated herein, the Contractor shall also carry bodily injury and property damage insurance in an amount not less than those set forth above covering the operation of all motor powered vehicles owned or operated by the Contractor and engaged in this contract.

DISCOUNT

33. Prompt pay discounts will be considered when determining the low bid except when discounts are for a period of less than 30 days. In this event discounts will not be taken into consideration when determining low bid.
34. Time, in connection with discount offered, will be computed from date of completion and/or delivery and acceptance at destination, or from date correct bill or voucher properly certified by the contract is received if the latter date is later than the date of completion and acceptance and/or delivery and acceptance.

GUARANTEE

35. The bidder to who a contract is awarded guarantees to the City of Worcester all equipment, materials and or workmanship for a period of one (1) year after final inspection and acceptance and shall replace promptly any defective equipment, materials and/or workmanship required without additional cost to the City.

DELIVERIES AND COMPLETION

36. It is understood and agreed that in the event of failure on the part of the bidder to indicate date of delivery and/or completion, delivery and/or completion will be made within twelve (12) days from date of notification. Should the successful bidder fail to make delivery or complete contract within time specified, the City reserves the right to make the purchase on such orders at the open market and charge any excess over contract price to the account of the successful bidder, who shall pay the same.
37. The contractor shall familiarize himself with the location and facilities for storage.
38. The City through its Purchasing Division reserves the right to divert delivery from one location to another, and to allow for any change in operating conditions or for any other cause not now foreseen and to proportion deliveries according to available storage facilities.

SAMPLING AND ANALYSIS

39. Each bidder must state the commercial name of the product quoted, name, and address of operator or agent from whom the product will be purchased and in addition shall furnish an analysis of the product, date of analysis, by whom made and their address.
40. Samples of the product to be delivered may be taken by a representative of the City, either prior to delivery or while it is being delivered in the storage facilities at destination, or will be taken from the storage facilities to which the product has been delivered as determined from time to time by the Purchasing Agent. Bidder agrees to furnish the necessary manual labor, without additional cost required to assemble the physical samples, which is to be performed under the direction of the City representative.
41. The representative of the City taking the samples shall be given the opportunity, while sampling, to affix his or her signature to the delivery slip each item represented in his/her sample.
42. Any product after the sampling and analysis, not found meeting the requirements of the contract shall be sufficient cause for the cancellation of the contract at the option of the Purchasing Agent.
43. If any product is found that does not meet the analysis submitted by the bidder in his/her proposal, the Purchasing Agent may, at his or her option, exercise his/her right to reject the product and require that all or any part thereof shall be removed promptly by and at the expense of the contractor and replace it forthwith with a product satisfactory to the Purchasing Agent, or to retain the product and compensate the contractor in an amount as determined by the Purchasing Agent and the City Manager.
44. It is understood and agreed that it shall be a material breach of any contract resulting from this bid for the Contractor to engage in any practice which shall violate any provisions of Massachusetts General Laws, Chapter 151B, relative to discrimination in hiring, discharge, compensation, or terms, conditions or privileges of employment because of race, color, religious creed, national origin, sex, age or ancestry.
45. The undersigned as bidder, declares that the only parties interested in this proposal as principals are named herein; that this proposal is made without collusion with any other person, firm or corporation, that no officer or agent of the City is directly or indirectly interested in this bid; and he/she proposes and agrees that if this proposal is accepted he/she will contract with the City in accordance with the specifications, also the terms and conditions as spelled out in this bid form.
46. No Person, including but not limited to corporations, partnerships, limited partnerships or limited liability corporations, shall be eligible to receive a contract under this invitation to bid and/or requires for proposal if that person has been convicted of any felony offense involving the distribution of controlled substances as that term is defined under Chapter 94C of the General Laws and, for contracts to be performed for on-site services to the Worcester Public Schools, if that person or any person to be employed by that person in

the performance of such on-site services has been convicted of a “sex offense” or a “sex offense involving a child” or a “sexually violent offense” or would meet the definition of “sexually violent predator” as those terms are defined in Section 178C of the General Laws and who must register with the sex offender registry board.

47. The Contractor shall at all times enforce strict discipline and good order among his employees and shall not employ for work or services relating to this contract any unfit person or anyone not skilled in the task assigned to him. In light of the fact that the performance of this contract requires the Contractor and its employees to have significant interaction with the public, the Contractor shall require all employees who may perform services under this contract to conduct themselves in a courteous, professional manner. If the Contractor is notified by the Contract Officer that any person engaged upon the work is incompetent, unfaithful, disorderly, discourteous, or otherwise unsatisfactory, then such person shall be discharged from providing services or work pursuant to this contract. Without limiting the generality of the foregoing, intimidation, threats and/or violent conduct of any kind or nature directed to members of the public are absolutely prohibited. Failure to comply with this requirement shall be grounds for termination of the contract.
48. The Contractor’s performance may be evaluated on an ongoing basis including but not limited to consideration of complaints received from members of the public. In order to facilitate this evaluation, the Contractor shall provide the City with documents and records upon request. The Contractor shall further obtain from its employees authorization that appropriate City personnel may obtain all available criminal offender information (“CORI”) from the Criminal History Systems Board. A high number of unresolved complaints, any number of complaints that are particularly severe, or employment of individuals who have been convicted of assault or other violent crimes shall be grounds for the early termination or non-renewal of the contract by the City.
49. The procurement officer shall award the contract to the lowest responsible and responsive bidder. The term “responsible bidder” means “a person who has the capability to perform fully the contract requirements, and the integrity and reliability which assures good faith performance.” Consistent with its duty to maintain public order and promote public safety, the City has determined that this contract is of a type and nature so as to be particularly sensitive due, at least in part, to the contractor’s inherent access and dealings with the members of the general public. Therefore, the City has concluded that additional scrutiny is justified as it determines whether a particular bidder is responsible, having the integrity and reliability to properly perform the requested services. This may entail consideration of the contractor’s system of oversight, training and supervision of its employees, including but not limited to its requirement of a high standard of customer service and courtesy in its dealings with the public. The bidder’s care and diligence in hiring and assigning its employees will also be considered. In making its determination, the City reserves the right to examine any and all information at its disposal, including but not limited to prior City contracts, the experiences and information obtained from current and former customers (whether identified by the bidder as references or not), as well as other sources available to the City, including but not limited to court documents, newspapers, financial reports (such as DUNS), and certain police data and reports.

50. The Contractor, acting through its owner(s) or any of its employees, or its agents or sub-contractors and any of their employees, shall not engage in any behavior, whether during the course of its duties under this contract or at any other time, that is illegal, criminal or otherwise shocking or offensive to the general public. The determination whether any particular behavior is illegal, criminal or shocking to the general public shall rest in the sound judgment of the Contracting Officer or the City Manager. In making such determination, the Contracting Officer or the City Manager shall apply the general standards of the community. No criminal conviction or formal charges shall be required to make such determination. Such behavior need be something more than trivial and something which would cause the general public to have concerns either about the safety of individuals coming in contact with the Contractor or about the character and integrity of the individuals with which the City does business. Violation of this provision shall be grounds for immediate and unilateral termination of this contract by the City upon five days notice as otherwise provided herein.

GIVE FULL NAMES AND RESIDENCES OF ALL PERSONS INTERESTED IN THE FOREGOING PROPOSAL.

(NOTICE: Give first and last name in full; in case of corporations, give corporate name and names of President, Treasurer, and Manager; and in case of firms give names of the individual members)

Name	Address	Zip Code
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_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

KINDLY FURNISH THE FOLLOWING INFORMATION REGARDING BIDDER:

(1) If a Proprietorship

Name of Owner _____

Business Address _____

Zip Code _____ Telephone No. _____

Home Address _____

Zip Code _____ Telephone No. _____

(2) If a Partnership

Full names and addresses of all partners

<u>Name</u>	<u>Address</u>	<u>Zip Code</u>
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_____	_____	_____
_____	_____	_____
_____	_____	_____

Business Address _____ Zip Code _____

Tel. No. _____

(3) If a Corporation

Full Legal Name _____

State of Incorporation _____ Qualified in Massachusetts ? Yes _____ No _____

Principal Place of Business _____

Street _____ P.O. Box _____

City/Town _____ State _____ Zip _____

Telephone No. _____

Place of Business in Massachusetts _____

Street _____ P.O. Box _____

City/Town _____ State _____ Zip _____

Telephone No. _____

GIVE THE FOLLOWING INFORMATION REGARDING SURETY COMPANY

Full Legal Name of Surety Company _____

State of Incorporation _____ Admitted in Massachusetts ? Yes _____ No _____

Principal Place of Business _____

Street _____ P.O. Box _____

City/Town _____ State _____ Zip _____

Place of Business in Massachusetts _____

Street _____ P.O. Box _____

City/Town _____ State _____ Zip _____

Telephone No. _____

NOTE

The Office of the Attorney General, Washington, D.C. requires the following information on all bid proposals amounting to \$1,000.00 or more.

F.I.D. Number of bidder _____

This number is regularly used by companies when filing their "EMPLOYER'S FEDERAL TAX RETURN, U.S." Treasury Department Form 941.

AUTHORIZED SIGNATURE OF BIDDER _____ TITLE _____

PLEASE SIGN

DATE _____ BID SECURITY \$ _____

The name(s) of customer service representative(s) to be responsible for servicing this account in the event of contract award are:

NAME _____ (PLEASE PRINT) TEL. NO. _____

NAME _____ (PLEASE PRINT) TEL. NO. _____

PLEASE INDICATE YOUR FAX NUMBER FAX # _____

PLEASE INDICATE YOUR E-MAIL ADDRESS E-MAIL: _____

UNDER MASSACHUSETTS GENERAL LAWS, CHAPTER 30B: SECTION 10, THE FOLLOWING CERTIFICATION MUST BE PROVIDED:

Section 10. A person submitting a bid or a proposal for the procurement or disposal of supplies, or services to any governmental body shall certify in writing, on the bid or proposal, as follows:

" The undersigned certifies under penalties of perjury that this bid or proposal has been made and submitted in good faith and without collusion or fraud with any other person. As used in this certification, the word "person" shall mean any natural person, business, partnership, corporation, union, committee, club, or other organization, entity, or group of individuals."

(Please Print) _____
Name of Person Signing Bid

Signature of Person Signing Bid

Company

No award will be made without vendor certification of the above.

DISCLOSURE OF CONTRACT RENEWAL

This contract may be renewed for a second and third year at the sole discretion of the City of Worcester, the option of which will be determined at the end of the current contract year.

In no event will increase exceed _____ % for the second contract year.

In no event will increase exceed _____ % for the third contract year.

(TO BE COMPLETED BY BIDDER)

Name

Date

Title

IF VENDOR DOES NOT WISH TO BE CONSIDERED FOR A SECOND AND THIRD YEAR
OPTION, PLEASE INDICATE BY CHECKING THIS BOX: ☐

IMPORTANT

It is understood and agreed, that failure by the bidder to complete the above increase statement, it is the bidders intent to accept a second and third year option at zero (0) percent increase.

All other Terms and Conditions to remain the same.

Bidders must state and identify the product offered, such as manufacturer's name, trade name, brand name and quality next to each item. WE MUST KNOW WHAT HAS BEEN OFFERED.

The quantities shown herein are estimated only and the Contractor will be required to furnish all quantities ordered by the City during the period of the contract.

YES XX NO

Delivery to be made to: City of Worcester

This Bid includes addenda numbered _____

NO PRICE ADJUSTMENTS ALLOWED. PRICES QUOTED ARE FINAL. CHECK BEFORE SIGNING!

BIDDER TO COMPLETE ITEMS BELOW

Leak detection services for a one-year period as per the requirements and specifications of the City of Worcester Department of Public Works and Parks.

Bidder must bid all items. Award to be made in the aggregate.

Questions pertaining to this bid must be directed to Stephen R. McDonald via email at MCDONALDS@worcesterma.gov

Task #	Estimated Annual Miles	Description	Measure	Price Per Mile	Total
1	660	Comprehensive Listening and Correlation Surveying	Miles		
2	1	Individual, Weekly, Calendar Year Ending and Final Reports	Lump Sum		
Total Project Cost					
The costs for all aspects of work completed in this contract, including, but not limited to project administration, project management, coordination with the City, performance of any and all work detailed in the individual tasks , all report preparation and all related expenses shall be included in unit prices for each task. There will be no separate reimbursement for any additional project costs.					

TERMS, PROMPT PAY DISCOUNT _____ % 30 DAYS, NET 45 DAYS.

DELIVERY AND/OR COMPLETION TO BE MADE WITHIN _____ DAYS FROM DATE OF NOTIFICATION BY THE CITY.

NAME OF BIDDER _____

LEAK DETECTION SCOPE OF SERVICES

The Contractor shall provide the following Scope of Services:

Task No. 1 – Comprehensive Listening and Correlation Surveying:

A minimum of 660 miles of public water mains shall be surveyed and investigated for leakage to reduce all known and unknown sources of unaccounted-for and non-revenue water. Areas to be surveyed shall include but not be limited to the Super High Service distribution system (± 60 miles), the High Service distribution system (± 350 miles), the Low Service distribution system (± 175 miles), various raw water transmission mains (± 15 miles) and selected areas as directed by the City of Worcester, Department of Public Works and Parks, Water Operations. The Super High Service system shall be surveyed twice a year, preferably in the spring and fall.

The City's water distribution system has pipes ranging in sizes from 1-inch up to 54-inch and includes the following materials:

- PVC pipe – 2 miles
- Steel Pipe – 8 miles
- Pre-stressed Concrete Cylinder Pipe – 6 miles
- Cast Iron/Ductile Iron – 590 miles

The following general procedures shall be followed to complete the Comprehensive Listening and Correlation Surveying.

- The Contractor shall provide one leak detection technician (or more than one at the discretion of the Contractor), all required leak detection equipment and an appropriate vehicle to carry out the required survey.
- Water Operations shall provide a representative, to act as a guide with an appropriate vehicle and copies of water system maps to assist the Contractor.
- The Contractor shall use sound intensifying equipment capable of detecting small amounts of water leakage.
- The Contractor shall use all available points of direct contact in the water distribution system to listen for leakage. These points of contact, including but not limited to hydrants, main line valves, side line valves, service valves, curb stop valves, air release valves and blow-offs shall be sounded for leakage.
- In areas where there are no available points of direct contact a ground microphone shall be used to listen over the buried pipeline. A pattern of listening points shall be developed to ensure coverage.
- All indications of leakage shall be investigated and pinpointed to the most probable point of leakage. If the most probable point of leakage cannot be determined using simpler acoustic leak detection equipment a correlator shall be used. The correlator's sounding sensors shall be placed directly on nearby hydrants, valves and service connections. The leak sounds shall then be analyzed by the correlator to more accurately pinpoint the leak location.
- All leak location pinpointing shall be performed with a correlating system utilizing at least two (2) sensors and verified using sonic or ground sounding equipment.
- In areas determined to require special investigations for possible water loss Water Operations shall direct the Contractor to place a correlator's sensors directly on points of contact within the

specified area. Correlation shall then be conducted to determine if there is unknown leakage between the specified points of contact. The maximum distance between the initial listening points shall not exceed 700 feet.

- In areas that have high background noise, such as heavily trafficked street, areas with interference from pumps, motors, electric transformers and other noisy equipment or noise from continuous customer water use, Water Operations shall direct the Contractor to conduct leak detection work during the quieter night-time hours (10 PM to 5 AM). This night-time work shall be completed at no additional cost to the City.
- The Contractor shall retain and mark up a copy of the water distribution system map to identify areas surveyed during each week of the project.
- The City shall be responsible for locating, checking, cleaning and/or excavating all access points on the water distribution system that are deemed necessary for the completion of the work.
- The City shall be responsible for the arrangement and payment of any and all police details which are deemed necessary for the completion of the work.
- The City shall be responsible for communicating to the Contractor the date of repair of any and all leaks detected and confirmed by the contractor. This repair date shall be used by the contractor to complete the estimated water loss calculations that are specified in the calendar year ending and final project reports.

Task No. 2 – Weekly, Calendar Year Ending and Final Reports.

Individual Leak Reports - An individual leakage site report shall be prepared for each suspected leak point. Each leak shall be classified as to the estimated water loss and severity. The report shall include the date the leak was confirmed, specific location of the leak, the service area of the leak, estimated leakage amount, suspected type of leak and a copy of each leak correlation graph that indicates the potential leak if applicable. All individual leakage site reports shall be submitted as soon as possible to the Assistant Director of Water Operations and the Project Manager after confirmation of the leak and its location. New leaks will be added to an excel spreadsheet of all leaks found in the current surveying round to be included as an attachment with the individual reports. The individual leak reports and attachments will be submitted in electronic form.

Calendar Year Ending Reports: Within 30 days of the ending of any calendar year during the contract period the Contractor shall prepare a calendar year ending report. This report shall include the following information which shall be used to help DPW&P Water Operations complete the required MASSDEP Annual Statistical Report.

- The miles of water main surveyed including a breakdown of miles of pipe surveyed by service area during that calendar year.
- Total number of leaks detected and confirmed during that calendar year.
- Estimated total quantity of water lost to those leaks that were detected, confirmed and repaired during that calendar year.
- Estimated quantity of water loss for “On-Going” leaks that were not repaired during that calendar year.

The Contractor shall submit one (1) electronic copy of the calendar year ending report to the Assistant Director of Water Operations and the Project Manager within one (1) month of completion of the calendar year.

Final Report - At the completion of the project the Contractor shall prepare a final report. This report shall include an executive summary of the overall project and shall include the following information:

- Copies of all individual leakage site reports.
- A breakdown of all leak sources (mains, services, hydrants, valves, etc.).
- The miles of water main surveyed including a breakdown of miles of pipe surveyed by service area during the contract period.
- Total number of leaks detected and confirmed during the contract.
- Estimated total quantity of water lost to those leaks that were detected, confirmed and repaired during that contract.
- Estimated quantity of water loss for “On-Going” leaks that were not repaired during the contract period
- Conclusions and recommendations.

The Contractor shall submit one (1) electronic copy of the final report to the Assistant Director of Water Operations within one (1) month of completion of the contract period. One (1) copy of the field marked- up water distribution system map shall be submitted with the final report.

Final payment shall be not be made until all required reports have been submitted in full accordance with the specifications.

Schedule

The Contractor shall complete the services authorized by the contract in accordance with the following deadlines:

<u>Task</u>	<u>Deadlines</u>
Task 1	Completed with one (1) year of the date listed on the notice to proceed.
Task 2	Individual Leak Reports – submitted as soon as possible after leak is confirmed. Calendar Year Ending Report – submitted within thirty (30) days after the end of that calendar year. Final Report – submitted within thirty days (30) after the end of the contract period.

Worcester Water Operations intends to repair all water distribution system leaks in a timely manner.

References and Experience

BIDDERS shall provide the CITY with the names and contact information of three (3) professional references for which similar services have been provided. The BIDDER shall grant the CITY permission to contact said references and ask questions regarding prior work performance. The CITY shall use the information gained from proposer's references to further evaluate the BIDDER.

BIDDERS who have not previously completed a contract of a similar size and nature for the CITY shall be required to demonstrate to the satisfaction of the CITY that he or she has the required experience. BIDDERS shall submit proof that he or she has completed large meter testing; pump testing, water main testing and leak detection services of a similar size and type within the last three (3) years.

Costs:

The costs for all aspects of work completed in this contract, including, but not limited to project administration, project management, coordination with the City, performance of any and all work detailed in the individual tasks, all report preparation and all related expenses shall be included in unit prices for each task. There will be no separate reimbursement for any additional project costs.