

WATER

BID AND SPECIFICATIONS

FOR

**MISCELLANEOUS
MAINTENANCE OF WATER
SERVICES AND PUBLIC FIRE
HYDRANTS # 234-26**

Bid # 8661-W6

MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6

TABLE OF CONTENTS

Description	Page
Title Sheet	
Table of Contents	2
Information for Bidders	3 - 4
General Specifications	5 - 11
Special Provisions	12 - 14
Liquidated Damages	15
References	16
Proposal	P1 - P5
Street Listings (work sheet)	1 - 14

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
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INFORMATION FOR BIDDERS

This Contract shall consist of miscellaneous maintenance activities on the City of Worcester's public water distribution system including but not limited to the rehabilitation of small diameter water services and the replacement of old, obsolete public fire hydrants. This work may include (but not limited to) the relay or replacement of portions of water services, the installation of curb stop shut off valves, the adjustment of water service and gate boxes, the abandoning of water services or connections, the installation of new water services and the replacement or installation of hydrants at various locations in the City of Worcester. While much of this work will be done in anticipation of street reconstruction, private street conversion or the City's street resurfacing program, the City may request work at any location based on the immediate needs of the City. The contractor may be requested to respond to emergency situations such as service leaks, accidents involving hydrants or in winter frozen lines or services, where the City cannot or is unable to respond in a timely manner. A portion of the known construction areas are listed below; however, this is by no means a complete list. The City reserves the right to add or delete locations as needed. No guarantee of continuous work during the season is made.

STREET

LIMITS

(Worksheets for these locations included at end of section)

NOTE: Quantities included in this bid reflect our best estimate of work to be done during one full construction season on the streets listed above and are given for planning purposes only. **NO GUARANTEE OF ANY LOCATIONS OR QUANTITIES TO BE DONE IS MADE.** Actual quantities of work to be completed could be greater or less and is dependent on funding available and the needs of various divisions of The City of Worcester DPW. NO guarantee is made as the quantity of work to be done on a given street or under any given item.

NOTE: In addition to the streets listed above, funding has been included in this bid to do Water Service and Hydrant Rehabilitation in several additional residential streets to be named later. Quantities of work items to be done on these additional streets are not included in the pay items quantities. All work to be done under these yet to be named streets shall be done at contract bid unit price. **Renegotiation of bid prices shall not be considered simply because the bid quantities have been exceeded. Bid prices submitted by the Contractor shall be honored through the entire dollar value of this contract which does include the streets to be named later or possible modifications to existing streets.**

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

CITY OF WORCESTER DEPARTMENT OF PUBLIC WORKS STANDARD SPECIFICATIONS & DETAILS VERSION February-2026 and all the latest revisions APPLY to all listed work. These specifications are available at: <http://www.worcesterma.gov/engineering> or they are also available directly at DPW 20 East Worcester St., Worcester MA Monday through Friday 7:30 AM through 4:00 PM.

The Contractor shall have adequate manpower to rehabilitate individual water services or hydrants completely in a given street within a specified time to allow for the reconstruction and paving of streets in a timely manner. **This Contract shall have a completion date of November 15, 2026.**

Bidders should review the worksheets included at the end of specifications and inspect the work sites to satisfy themselves as to the actual conditions and requirements of the work and accuracy of the estimated quantities.

The bidder should thoroughly acquaint himself with the Agreement Forms used by the Law Department so that he will know what his obligations are before he submits his proposal. These can be reviewed at Worcester City Hall Purchasing Department, Room 201, 455 Main St., Worcester, MA.

The bidder is advised to study Chapter 7 of the Revised Ordinances of the City of Worcester 1951, and familiarize himself with the regulations of Management Services regarding permits and responsibility of work. **The contractor shall be responsible for payment in full of all street opening permits.** Attention is called to Article V(C) regarding hours to work and to Chapter 370 of the Acts of 1963.

A certified check or bid bond made payable to the "City Treasurer, City of Worcester" in the amount of 5% of total bid must accompany this bid.

The bid deposit will be returned within seven (7) days after the opening of the proposals with the exception of the three (3) lowest responsible and eligible bidders.

The City of Worcester may award or may have awarded other contracts for work on or adjacent to the site and the Contractor shall cooperate fully with such other contractors by scheduling his own work with that to be performed under other Contracts as may be directed by the Commissioner. The Contractor shall not commit nor permit any act that will interfere with the performance of work by any other Contractor as scheduled.

Award of **Bid # 8661-W6** shall be based upon the Total Contract Bid Price from Page # 5 of the Proposal.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

GENERAL SPECIFICATIONS

1.01 DEFINITION OF TERMS

Wherever the following words or phrases are used in these specifications, their intent and meaning shall be as follows:

1. City = the City of Worcester, MA.
2. Commissioner = the Commissioner of Public Works of the City of Worcester.
3. Assistant Commissioner = the Assistant Commissioner of Public Works of the City of Worcester.
4. Director = the Director of Water and Sewer Operations, Department of Public Works of the City of Worcester.
5. Field Engineer = the field representative of Water Operations, Department of Public Works of the City of Worcester.
6. Contractor = the person or persons, co-partnership or corporation who have entered into this contract as parties of the second part, or his or their legal representative.

1.02 EXISTING UNDERGROUND FACILITIES

1. Before making any excavation in a street, the Contractor shall notify all public utilities that he is making an entry, in accordance with Chapter 370, Acts of 1963 Massachusetts Law.
2. The Contractor shall ascertain the location of existing underground facilities and so conduct his work that those facilities shall not be damaged. The Contractor shall be fully responsible for damage to existing facilities and shall pay all costs of repairing damage caused by him or his agents.
3. Sewer connections or drains which are broken by the Contractor shall be repaired by a licensed drain layer, under the inspection of the DPW Permits division and paid for by the Contractor.
4. The City of Worcester, Department of Public Works, is not a participating member of the "Dig Safe" network. To get water lines marked out, the Contractor should contact **DPW Customer Service (508) 929-1300** at least 72 hours in advance of any execution.

1.03 INVESTIGATION OF CONDITIONS

Contractors are expected to visit the locality of the work and acquaint themselves with all available information concerning local conditions. They are also

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

expected to make their own estimates of the facilities needed and difficulties attending the execution of the proposed contract including the local conditions, availability of labor, uncertainties of weather and other contingencies.

In no event will the City assume any responsibility whatsoever for any interpretation, deduction or conclusion drawn from the inspection of the site. Failure to acquaint himself with all available information concerning these conditions will not relieve the Contractor from responsibility for estimating the difficulties and cost of successfully performing the complete work.

1.04 GENERAL SCOPE OF THE WORK TO BE PERFORMED

The work to be done under these Specifications will consist of the performing of such services and furnishing of such materials, except for such material as is agreed to be furnished by the City at the location stated and as listed in the Proposal, and of doing all the miscellaneous work connected therewith. It shall include making excavations and backfilling, protection of the work, temporary street surface patching, furnishing and installing the necessary temporary by-pass pipes, installing water mains and appurtenances, cleaning up the work site, chlorinating and flushing the water mains, and testing of completed work for leaks.

1.05 DRAWINGS

1. The work shall be done in conformity with the plans and specifications and such modifications thereof as may be determined by the Assistant Commissioner, and with all conditions and requirements of these Specifications and under the direction and supervision of the Assistant Commissioner.
2. The length, size and location of the mains and other necessary information will be shown on a plan for each street in which mains are to be laid or as specified herein.
3. The plans are to be considered diagrammatical only. The final location is subject to such changes as may be necessary to avoid surface structures, underground pipes, sewers, conduits, etc. The location may be anywhere within the street limits and will be determined as work proceeds.

1.06 CITY ORDINANCES

The Contractor must comply with all City ordinances regarding public work, the use of streets and highways, and the safety of the public, and with the regulations of the Department of Public Works of the Commonwealth of Massachusetts, when working in streets under their control.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

1.07 RISKS FOR DELAY

The Contractor shall assume the risk of any and all delays arising from the nature of the work or from any unforeseen casualties, obstructions, or difficulties which may arise or be encountered in the doing of the work, or from the action of the elements, or other Contractors, or persons or otherwise; and further agrees that no claim for damages or extra compensation will be made by reason of any delay whatsoever.

1.08 INSPECTION

It is agreed that the Commissioner may appoint and employ at his own expense such officers as may be necessary, who are to act as engineers, inspectors or agents for the purpose of supervising in the City's interest the materials furnished and the work done, as same progresses. Such officers shall have unrestricted access to all parts of the work and other places at and in which the preparation of materials and the construction of the different parts of the work to be done under these specifications are carried on and conducted, and shall be given by said Contractor all facilities and assistance required to carry out their work of inspection and testing in a manner satisfactory to the Commissioner and Assistant Commissioner.

The Contractor shall give a minimum of a 24-HOUR NOTICE to the Director or his agent before he is ready to commence with the work.

All work shall be completed in the presence of the Field Engineer.

1.09 RIGHT OF REJECTION

Such officers shall have authority to reject any work, materials and parts thereof, which do not in their opinion, conform to the Plans, Drawings and Specifications; it shall be admissible for them to do so at any time during the progress of the work, and until its completion and acceptance, notwithstanding the fact that any such defective work or materials may have been previously overlooked and received.

1.10 REJECTED MATERIAL AND DEFECTIVE WORK

The Contractor at his own expense shall promptly replace all defective work. At the request of the Commissioner or his representative, the Contractor shall remove any portion of the work done, as they may at some time think necessary for the discovery of improper materials or workmanship, and the Contractor shall

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

restore such work, at Contractor's own expense, in case it is found defective.

1.11 UNLOADING

The said Contractor agrees that they will, at their own expense, furnish all the means, appurtenances, and conveniences necessary for the delivery to the site of all material entering into the construction of the work including the delivery of pipes, valves, valve boxes, and other castings as defined in the specifications; and they agree that said City shall not be held responsible for the care and protection of said material and parts thereof, however, or wherever delivered, until the final acceptance of the work.

1.12 PERMITS TO OPEN STREETS AND INSTALL WATER MAINS AND SERVICES

1. Before any trench is opened in a public street in the City of Worcester, a permit shall be obtained from Department of Public Works, Permit Office at 20 East Worcester Street. Permit applications shall be filed utilizing the Online Permitting Portal located on DPW Engineering website.
2. Before any trench is opened in a State Highway, a permit shall be obtained from the District Highway Engineer. This permit shall be taken out by Water Operations.
3. Before any water main or water service is installed, replaced or repaired, a permit shall be obtained from Water Operations Engineering at 18 East Worcester Street. A water permit must be drawn regardless of whether the work is being done on public or private property. Permit applications shall be filed utilizing the Online Permitting Portal located on DPW Engineering website. The Contractor obtaining the permit shall be City of Worcester licensed and bonded drain layer only.
4. Failure to obtain the required permits shall result in the withholding of pay payments or final retainage release.

1.13 TRAFFIC TO BE MAINTAINED

Travel over streets where pipes are being laid shall be interrupted or obstructed as little as possible. The Commissioner may, at his discretion, direct that certain portions of the streets shall be clear of all excavated material, that at certain street intersections only a portion of the trench shall be excavated at a time, and closed again before the pavement over the balance is removed; and that no two adjoining street intersections be excavated at the same time. The Contractor shall erect temporary bridges and crossings at no additional compensation as determined by the Field Engineer.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

1.14 PROTECTION OF TREES AND SHRUBS

The Contractor shall exercise every precaution to protect from injury all trees and shrubs not directly in the line of the water main or water service, and upon completion of the work shall restore the ground to its original condition without additional compensation.

1.15 BLASTING

Blasting, where necessary, shall be done with proper precautions to prevent injury or damage to persons and property. The Bond required by law and necessary permit from the Fire Chief shall be secured and filed.

1.16 PIPE LAYING IN PRIVATE STREETS OR RIGHT-OF-WAYS

1. When pipe is laid in a private street, or through private property, the surface of the ground shall, after the laying of the pipe, be carefully and promptly restored to the condition it was in previous to the laying of pipe.
2. When pipe is laid in a street that is being improved, as little interference as possible shall be caused to the street improvement work, and this contractor shall cooperate fully with the street contractor.

1.17 RECONSTRUCTION OF SUB-SURFACE STRUCTURES

1. In case it shall, in the opinion of the Commissioner, become necessary to divert or reconstruct any culvert, sewer, manhole valve chamber, catch basin connection, water main, house connection to water mains or sewers, in a new location, said work shall be done by the Contractor upon order from the said Commissioner.
2. Provisions must be made by the Contractor to take care of the drainage without damage to the work until the culvert, sewer, catch basin connection, and drains shall have been reconstructed and restored to service.
3. In case it shall, in the opinion of the Commissioner, become necessary to divert or reconstruct water mains or water service branches, said work shall be done by the Contractor.
4. In case it shall, in the opinion of the Commissioner, become necessary to divert and/or reconstruct any gas main or electric conduit or any connections thereto, the company owning same shall be notified to divert same by the Commissioner or his agent. In no case shall the Contractor make any change in the position of any gas pipe, electric conduits, or

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

fixtures, without the written consent of the proper parties or an order from the Commissioner.

1.18 FENCES, DANGER SIGNALS, ETC.

The Contractor, at his own expense, shall erect and maintain all necessary fences, barricades and danger signals. The lights shall be kept on from sunset until sunrise, and necessary watchmen shall be provided for the safety of the public. The Contractor shall observe such rules relative to signals and safeguards, as the police regulations, laws and ordinances require.

1.19 CLOSING OF VALVES

DPW Water Operations employees, assisted by the Contractor, shall do the closing of valves necessary for making connections with existing mains. Sufficient notice shall be given to the Director of the time for shutting off. No allowance will be made for any delay in closing of valves. A 24-HOUR NOTICE must be given to residents or businesses affected by the shut-down, and will be done by the Contractor under the direction of the Field Engineer.

1.20 CLEANING OF STREETS

Immediately upon completion of the work, refuse material and other material shall be removed by the Contractor at his own expense from the streets occupied by him during construction, and the streets shall be cleaned and restored to their original condition.

1.21 TRESPASS

The Contractor shall not allow anyone in his employ to damage the property of the City, or trespass on premises in the vicinity of the work. At the request of the Assistant Commissioner, he shall discharge from his employ any person guilty of such offenses, and he will be held responsible for any acts of his employees. All buildings, fences, sidewalks, trees, and other properties shall be protected from injury, and the Contractor shall be held responsible for any damages done to the same in any way, or by his act of neglect, or that of his agents, or by his act of neglect, or that of his agents, employees, or workmen.

1.22 DAMAGES TO PROPERTY

Special care must be taken by the Contractor not to allow any material of any kind to be deposited on any sidewalk, curb or sodding, and any damages caused by violating this provision must be made good by the Contractor at his own cost, and to the satisfaction of the Field Engineer.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

1.23 RESPONSIBILITIES

The Contractor shall be responsible for his work for five (5) years starting on the day the work has been accepted by the City.

1.24 BORROWING OF MATERIALS

In the event the Contractor encounters a material delivery problem and, therefore, desires to borrow City-owned materials, he shall first seek permission to do same from the Director. If the quantity of City-owned materials on hand is such that a loan may be made, the Director may grant approval, and the Contractor shall present the original copy of his purchase order showing the vendor's name who can properly replace said borrowed materials to the City storekeeper in charge of the store yard. Said purchase order shall contain the correct quantity and specifications to replace with identical materials to the original point of pick-up and in addition, said purchase order will also bear the signature of an authorized representative of the Contractor.

1.25 PROPER NOTICE BEFORE STARTING WORK

The Contractor shall be responsible for a minimum of one-week notice to Water Operations before starting work on a given street.

1.26 INEFFICIENCY OF INSPECTOR NOT TO PRECLUDE

The Contractor agrees that any omission, inefficiency, negligence or incapacity on the part of any or all such officers in exacting the full requirements of the Plans, Drawings and Specifications, shall not release the Contractor from supplying the same whenever it may be found that failure to meet requirements have occurred up to the final completion and acceptance of the work.

1.28 SEPARATION OF WATER MAINS AND SEWERS

All sanitary lines shall be laid at least 10 feet horizontally from any existing or proposed water line. The distance shall be measured edge to edge.

In areas where it is necessary to install sanitary lines with less than 10 feet horizontal distance from a water line the sanitary line shall be enclosed in concrete.

All sanitary lines crossing water lines shall be laid to provide a minimum vertical distance of 18 inches between the outside of the water main and the outside of the sewer. The sanitary line shall always cross under the water line unless directed by the Field Engineer. When an 18-inch vertical distance is not achievable the sanitary line shall be enclosed in concrete.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

SPECIAL PROVISIONS

The following conditions and restrictions shall apply to all work performed under this contract:

- .1 The Contractor shall be required to have on-site at all times during the course of construction activities, a full-time superintendent who shall be in responsible charge of the project. This shall be the exclusive agent for the Contractor maintaining continuous correspondence with the Field Engineer.
- .2 The Contractor shall notify the City in writing whenever there is a change of superintendents.
- .3 The Contractor shall submit to Water Operations Engineering a schedule of operations within ten (10) days after the mailing of the executed contract to the Contractor. The schedule shall detail the proposed methods of construction; the sequence of work and the time the Contractor proposes to complete the various items of work within the time specified in the contract.
- .4 The Contract Compliance Office requires certified payrolls to be submitted on a weekly basis from the first week of work through the final week of work, regardless of whether you were on site or not. If no work was done during a particular week, a payroll shall be submitted stating that. It shall not be necessary for the Contractor to submit payrolls to any other agency. These submissions shall be a prerequisite to the City making any periodic or final payments to the Contractor. Failure to submit the required certified payroll shall result in the withholding of payments or final retainer release.
- .5 The Contractor shall, prior to beginning work on each street or phase of the contract, submit to Water Operations Engineering, a digital record the street and sidewalk conditions of the street to be excavated. This record shall consist of video and/or photographic images of the street and street conditions prior to the start of any construction. Special note shall be made of any difficult or problem areas that could present problems for either the Contractor or property owners adjacent to the construction site. Similar post-construction records shall also be submitted after final restoration has been completed.

Additionally, when working on the Iron Service Inventory project the Contractor shall capture and submit digital photographs of all service lines and installations performed as part of the project, including any components related to service connectors and iron line replacement, for compliance with Iron Service Inventory requirements. These photographs must clearly show the location, materials, size and connections of the installed services.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

All photographs shall be submitted electronically in JPEG or PNG format (minimum resolution of 1920 x 1080 pixels) to the email address provided by the City or as directed by the City's inspector. Each image shall include metadata or labeling that identifies the date, location (GPS coordinates preferred), and a brief description of the photographed area or installation. All video and/or photographs shall be supplied at no additional cost to the City and will become City property upon receipt.

- .6 A 24-hour emergency telephone number shall be supplied along with the name of the person to be notified for all repairs and emergencies that may occur. Failure to respond shall necessitate the actuation of City crews at the Contractor's expense.
- .7 Police Officers for traffic control shall be furnished at the discretion of the Contracting Officer at the City's expense.
- .8 The Contractor shall be required to obtain the necessary water, trenching and street opening permits to open a public or private street through the DPW Permit Office at 20 East Worcester St. Permit applications shall be filed utilizing Online Permitting Portal located on DPW Engineering website. The Contractor shall be responsible for the payment of the full cost of any and all required street opening permits at no additional compensation. Failure to obtain the required permits shall result in the withholding of payments or final retainer release.
- .9 **Payment Item 301.01, "1" Polyethylene Tubing" for change of services.**
All water services $\frac{3}{4}$ " or 1" in size shall be relayed or replaced with new 1" polyethylene tubing from the corporation stop at the water main to the property line. All new service pipes shall be trenched over their entire length. No pulling or driving of services shall be allowed. These new service pipes shall be encased in a sand envelope per City of Worcester Standards.

Exceptions may be given only for replacement service to be pulled when conditions do not allow for trenching and must have approval from Field Engineer prior to pull.

- .10 Where old iron pipe exists on service lines, Contractor shall perform a change of service on the City portion. While the City encourages homeowners to replace any old iron water service pipe on their property, they are under no obligation to use the City's Contractor or to change the pipe. The Contractor shall not pressure or use any undue influence to entice the homeowner into this work. Should the opportunity arise, the Contractor may enter into a private agreement with homeowners to perform a change of service on the owner's side. Should the homeowner and Contractor enter into an agreement, the Contractor shall treat this as a private job unrelated to the City contract work and shall be responsible to take and pay for proper City Water permits. As part of this private

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

agreement Contractor shall acknowledge that:

“According to G.L c. 165, sec. 1C; the applicant and excavator acknowledges that no pipe will be installed in any building or dwelling house without first notifying the occupant or owner that required electrical grounding may be affected by installation of plastic pipe, and that within 30 days of notification the owner of such building must cause the building or dwelling house to be properly grounded. If grounding services are required, the owner must hire a Massachusetts Licensed Electrician, file an application for an electrical permit, and notify the inspector assigned. Failure to ground buildings or dwelling houses in accordance with safety standards within 30 days of notice will result in a fine of no less than \$50 and no more than \$100.”

Homeowners shall be responsible for any normal City fees associated with turning on or off water or setting a new flared valve connection at the meter.

- .10 **Payment Item 120, “Class B Rock Excavation and Disposal”** shall include any ridged road base, if encountered during the course of construction.
- .11 **Payment Item 301.50 “Ductile Iron Pipe and Polyethylene Wrap with Sand Envelope”**; All ductile iron pipe installed as part of this contract shall be encased in an approved polyethylene wrap. This pipe and wrap shall be bedded in a sand envelope per the revised City Specifications. This sand envelope shall be the width of the trench from 6” below the pipe to 12” above the pipe. The remainder of the trench shall be backfilled per the City Specifications.
- .12 **Payment Items 310.1, “New Hydrant”, 310.3, “Hydrant Removed and Stacked”, 310.5 “Install new City Supplied hydrant”**; On many streets scheduled for resurfacing or private street conversion, the contractor shall be directed to replace older style 2-way, 3 way or 4-way hydrants with Kennedy Valve Guardian hydrants. The contractor shall be paid under item 301.1 to install new hydrant or under item 310.5 if the city supplied the hydrant and item 310.3 to remove & stack the old hydrant, if applicable. Other materials needed shall be paid under the appropriate items.
- .13 **Payment Item 314.600 Dig & Backfill Hole for City Supplied Tap or Insertion Valve”** shall include all work to dig prepare and backfill an access point to allow for a wet tap or insertion valve of any size. This work shall include shoring & or plating if needed. New gravel and paving shall be covered under the appropriate item.
- .14 No guarantee shall be made as to the amount of work to be assigned at a given location or on a given street. The contractor may be assigned to do individual service or hydrant work at numerous unrelated locations.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

**LIQUIDATED DAMAGES
(CONTRACTS OF \$100,000 OR MORE)**

It is expressly understood and agreed, by and between the Contractor and the City, that the time for the completion of the of the work described herein is a reasonable time for the completion of the same, taking into consideration the average climatic range and usual industrial and/or residential conditions prevailing in the locality. If the said Contractor shall neglect, fail or refuse to complete the work within the time herein specified, or any proper extension thereof requested in writing by the Contractor and granted in writing by the Contracting Officer, then the Contractor does hereby agree, as a part consideration for the awarding of this contract, to pay to the City the amount of \$500.00 per day, not as a penalty but as liquidated damages for such breach of contract, for each and every calendar day that the contractor shall be in default after the time stipulated for completing the work. The said amount of \$500.00 per day is fixed and agreed upon by and between the Contractor and the City because of the impracticability and extreme difficulty of fixing and ascertaining the actual damages the City would in such event sustain, and the said amount shall be deducted by the City from periodic payments.

It is understood that the winter months of December, January, February and March shall be excluded from the Liquidated Damages and the Contractor shall not suffer any penalty for not working during that period.

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26
BID # 8661-W6**

REFERENCES

The bidder is requested to state below what work of a similar character to that included in the Proposal Contract he/she has done, and give references that will enable the City to make inquiries and to judge of his/her experience, skill, available financial resources, credit and insurance standing.

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

**MISCELLANEOUS REHABILITATION OF WATER SERVICES AND
PUBLIC FIRE HYDRANTS # 234-26**

Bid #8661-W6 Summary

This Contract shall consist of miscellaneous maintenance activities on the City of Worcester's public water distribution system including but not limited to the rehabilitation of small diameter water services and the replacement of old, obsolete public fire hydrants. This work may include (but not limited to) the relay or replacement of portions of water services, the installation of curb stop shut off valves, the adjustment of water service and gate boxes, the abandoning of water services or connections, the installation of new water services and the replacement or installation of hydrants at various locations in the City of Worcester as listed below:

<u>STREET</u>	<u>LIMIT</u>
Beacon Street	Resurfacing Program
Dorothy Avenue	Resurfacing Program
First Street	Resurfacing Program
Harlow Street	Resurfacing Program
Lucian Street	Resurfacing Program
Norcross Street	Resurfacing Program
Upsala Street	Resurfacing Program
William Street	Resurfacing Program
Winneconnett Road	Resurfacing Program
Woodland Street	Resurfacing Program
Various Streets A-Z	Iron Service Inventory

Water Services & Hydrants #234-26

Bid #8661-W6

THE BIDDER MUST FILL IN THESE UNIT PRICES. Also carry out all extensions and fill in "Computed Totals."

In case of error or discrepancies, UNIT PRICES govern and written works take precedence over figures.

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
120.0000 CLASS "B" ROCK EXCAVATION AND DISPOSAL		
	Dollars	160.00 \$
(\$)	CY	
125.0000 SAND BORROW		
	Dollars	746.45 \$
(\$)	CY	
126.0000 GRAVEL BORROW		
	Dollars	746.45 \$
(\$)	CY	
128.0000 SCREENED LOAM BORROW		
	Dollars	62.60 \$
(\$)	CY	
156.0000 SEEDING		
	Dollars	530.40 \$
(\$)	SY	
158.0000 SODDING		
	Dollars	2.00 \$
(\$)	SY	
301.0100 1" Polyethylene Tubing		
	Dollars	4,435.00 \$
(\$)	LF	
301.0200 2" Copper Tubing		
	Dollars	100.00 \$
(\$)	LF	
301.0600 6" CLDI Pipe		
	Dollars	180.00 \$
(\$)	LF	

Water Services & Hydrants #234-26

Bid #8661-W6

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
301.5000 Polyethylene Wrap for Ductile Iron Pipe		
	Dollars	200.00 \$
(\$) LF		
302.0806 8"x6" Cut-in Tee		
	Dollars	2.00 \$
(\$) EA		
302.1000 Cast or Ductile Fittings		
	Dollars	500.00 \$
(\$) LB		
302.1206 12"X6" Cut-in Tee		
	Dollars	2.00 \$
(\$) EA		
304.0100 VALVE BOX		
	Dollars	10.00 \$
(\$) EA		
304.0200 SERVICE Box		
	Dollars	5.00 \$
(\$) EA		
304.0300 ADJUST CURB STOP TO GRADE		
	Dollars	5.00 \$
(\$) EA		
304.1000 LOWER STREET SERVICE BOX		
	Dollars	258.00 \$
(\$) EA		
305.0600 6" Gate Valve		
	Dollars	10.00 \$
(\$) EA		
309.2000 Service Box and Curb Stop		
	Dollars	164.00 \$
(\$) EA		

Water Services & Hydrants #234-26

Bid #8661-W6

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
309.3000 Service Box and Cut-in Curb Stop (3/4" - 1")		
	Dollars	55.00 \$
(\$) EA		
309.4000 Service Box and Cut-in Curb Stop (1 1/4" - 2")		
	Dollars	1.00 \$
(\$) EA		
310.1000 New Hydrant		
	Dollars	10.00 \$
(\$) EA		
310.3000 Hydrant Removed and Stacked		
	Dollars	10.00 \$
(\$) EA		
310.5000 Install new City supplied hydrant		
	Dollars	10.00 \$
(\$) EA		
312.0600 6" Tie-in		
	Dollars	10.00 \$
(\$) EA		
313.2000 Thrust Block		
	Dollars	20.00 \$
(\$) EA		
314.3000 Dig and Plug Existing connection up to 2" in size		
	Dollars	4.00 \$
(\$) EA		
314.3500 Dig and Plug connection larger than 2"		
	Dollars	4.00 \$
(\$) EA		
314.6000 Dig & Backfill Hole for City supplied Tap or Insertion		
	Dollars	2.00 \$
(\$) EA		

Water Services & Hydrants #234-26

Bid #8661-W6

ITEM NUMBER AND DESCRIPTION	ESTIMATED QUANTITY	COMPUTED TOTALS
416.0000 CURB REMOVE AND RESET		
_____ Dollars	572.00	\$ _____
(\$ _____) LF		
432.0000 EXISTING BITUMINOUS CONCRETE SIDEWALKS REPAIR		
_____ Dollars	149.60	\$ _____
(\$ _____) SY		
436.0150 RESURFACING WATER, SEWER TRENCHES-TEMPORARY		
_____ Dollars	5,423.00	\$ _____
(\$ _____) LF		
436.0151 RESURFACING WATER, SEWER TRENCHES-PERMANENT		
_____ Dollars	5,002.00	\$ _____
(\$ _____) LF		
438.5000 BITUMINOUS CONCRETE BERM REPAIR		
_____ Dollars	416.00	\$ _____
(\$ _____) LF		
442.0000 CONCRETE SIDEWALK REPAIR		
_____ Dollars	168.10	\$ _____
(\$ _____) SY		
446.3000 EXCAVATABLE CONTROL DENSITY FILL (CDF)		
_____ Dollars	474.00	\$ _____
(\$ _____) CY		
900.0000 Lump Sum Reserve		
_____ Dollars		\$ _____
one hundred thousand and xx / 100		\$ 100,000.00

Water Services & Hydrants #234-26

Bid #8661-W6

TOTAL BID PRICE INCLUDING CONTINGENCY

_____ Dollars and _____ Cents
(amount in words)

\$ _____
(amount in figures)

This proposal is based on provisions of the following addenda:

No. _____

No. _____

No. _____

No. _____

All amounts and totals given above will be subject to verification by the City. In case of variation between Unit Bid Price and Totals shown by the Bidder, the Unit Price written in words will be considered to be the bid.

The City reserves the right to reject any and all bids, wholly or in part, and to make awards in a manner deemed in the best interests of the City.

The above estimated quantities form an approximate statement of the extent of the work to be done, based upon the estimate of the Contracting Officer. The City does not expressly or by implication agree that the actual quantity of work will correspond therewith, but reserves the right to increase or decrease the quantity of any class or portion of the work, as may be deemed necessary by the Contracting Officer.

Service Worksheet

Street(limits): **Beacon Street (From Hammond Street to Kilby Street)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
211	19147	1	PLASTIC	1913								1
212	19148	3/4	COPPER	1913					1			1
214	19531	1	PLASTIC	1913					1			1
217	19780	1	PLASTIC	1975					1			1
Totals					0	0	0	0	3	0		4

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **Dorothy Ave (From Hilcroft Ave to Granville Ave)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions						
					301.01	314.3	314.5	309.2	309.3	309.4	304.10
					CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
6	25935	1	PLASTIC	1925					1		1
8	24052	1	PLASTIC	1922					1		1
9	28794	1	PLASTIC	1928					1		1
12	24565	3/4	IRON	1923	20			1			1
18	19480	1	PLASTIC	1912					1		1
20	23432	1	PLASTIC	1921							1
Totals					20	0	0	1	4	0	6

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **First Street (#1 First Street to #59 First Street)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
4	20030	3/4	IRON	1914	10				1			1
10	31615	3/4	COPPER	1939	10				1			1
12	31624	3/4	IRON	1939	10				1			1
13	36899	3/4	COPPER	1952						1		1
14	20023	3/4	COPPER	1914						1		1
18	42432	3/4	COPPER	1965						1		1
20	42433	3/4	COPPER	1965						1		1
22	39720	3/4	COPPER	1958						1		1
28 (Tapped off Center St)	43922	1	PLASTIC	1973								1
30 (Tapped off Center St)	39928	3/4	COPPER	1958						1		1
31	33724	3/4	COPPER	1947						1		1
32	45647	1	PLASTIC	1984								1
34	45648	1	PLASTIC	1984								1
38	44813	1	PLASTIC	1981								1
42	33714	3/4	COPPER	1947						1		1
45	33815	3/4	COPPER	1947						1		1
46	35698	3/4	COPPER	1950						1		1
48	33569	3/4	COPPER	1947						1		1
53	45636	1	PLASTIC	1984								1
55	45637	1	PLASTIC	1984								1
2 (Tapped on First St)	45634	1	PLASTIC	1985								1
4 (Tapped on First St)	45635	1	PLASTIC	1985								1
57	45638	1	PLASTIC	1984								1
59	45639	1	PLASTIC	1984								1
Totals					30	0	0	3	11	0		23

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

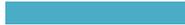
Service Worksheet

Street(limits): **Harlow Street (From Paine Street to Crescent Street)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions						
					301.01	314.3	314.5	309.2	309.3	309.4	304.10
					CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
236 Lincoln (Tapped on Harlow)	17522	1	COPPER	1911					1		1
2	16374	1	PLASTIC	1909					1		1
4	16375	1	PLASTIC	1909					1		1
10	18073	3/4	UNKNOWN	1911					1		1
12	18074	1	PLASTIC	1911					1		1
14	18075	3/4	COPPER	1911					1		1
Totals					0	0	0	0	6	0	6

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

 CDF

Service Worksheet

Street(limits): **Lucian Street (From 1028 Main NW Street to End)**

					Item Numbers & Descriptions						
					301.01	314.3	314.5	309.2	309.3	309.4	304.10
Address	Service No.	Size	Material	Year	CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
1026 Main (Tapped off Lucian)	35560	1 1/4	COPPER	1990						1	
4	20363	1	PLASTIC	1915					1		1
6	20268	1	PLASTIC	1915					1		1
8	19573	3/4	COPPER	1913					1		1
Totals					0	0	0	0	3	1	3

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **Norcross Street (From Reed Street to Courtland Street)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
3	28346	1"	PLASTIC	1927								1
4	32235	3/4"	COPPER	1941					1			1
5	28432	1"	PLASTIC	1993								1
7	28830	3/4"	IRON	1928	25			1				1
8	28102	3/4"	IRON	1927	25			1				1
9	28103	3/4"	COPPER	1927					1			1
11	28511	3/4"	IRON	1927	25			1				1
Totals					75	0	0	3	2	0		7

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

 CDF

Service Worksheet

Street(limits): **Upsala Street (#4 to #88)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
9	12067	1	Plastic	1896								1
13	18282	1	Plastic	1912								1
17	16633	3/4	Copper	1909					1			1
33	18748	3/4	Copper	1912					1			1
39	9159	1	Plastic	1889					1			1
45	18755	1	Plastic	1912								1
63	10434	1	Plastic	1892					1			1
65	16430	3/4	Copper	1909								1
66	FP 1466	2	Copper	2012								1
66	12697	1	Plastic	1898								1
69	27161	1	Plastic	1926								1
71	27122	1	Plastic	1926								1
73	25459	1	Plastic	1924								1
75	23156	1	Plastic	1921								1
77	24649	1	Plastic	1923								1
Totals					0	0	0	0	4	0	15	

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **William Street (#3 to #112)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions						
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.
66	16802	3/4	Copper	1909					1		1
79	13196	3/4	Copper	1899					1		1
81	27737	3/4	Copper	1926					1		1
84	15534	3/4	Copper	1906					1		1
85	22748	1	Plastic	1920					1		1
87	28336	1	Plastic	1927							1
89	37624	3/4	copper	1953					1		1
Totals					0	0	0	0	6	0	7

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **Winneconnett Road (#1 Winneconnett Rd to #46 Winneconnett Rd)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
					301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
2	50365	1	PLASTIC	1998								1
6	44682	1	PLASTIC	1980								1
11	40706	3/4	COPPER	1961					1			1
12	35291	3/4	COPPER	1950					1			1
15	35671	3/4	COPPER	1950					1			1
16	38114	3/4	COPPER	1954					1			1
17	33889	3/4	COPPER	1947					1			1
20	25298	1	PLASTIC	1950								1
24	38471	3/4	COPPER	1955					1			1
25	35672	1	PLASTIC	1950								1
27	35673	3/4	COPPER	1952								1
29	44583	1	PLASTIC	1978								1
31	33344	3/4	COPPER	1947					1			1
33	33338	1	PLASTIC	1946								1
34	41588	3/4	COPPER	1963					1			1
37	33725	3/4	COPPER	1947					1			1
39	41038	3/4	COPPER	1961					1			1
40	35297	3/4	COPPER	1950					1			1
Totals					0	0	0	0	11	0		18

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **Woodland Street (#36)**

Address	Service No.	Size	Material	Year	Item Numbers & Descriptions						
					301.01	314.3	314.5	309.2	309.3	309.4	304.10
					CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
36	7516	1	Plastic	1886					1		1
Totals					0	0	0	0	1	0	1

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): Various Streets (From Alexander Street to Cutting Street)

Number	Address	Service No.	Size	Material	Year	Item Numbers & Descriptions							
						301.01 CofS(ft.)	314.3 Abandon	314.5 Abandon	309.2 C.S.	309.3 3/4"-1" CICS	309.4 1 1/4"-2" CICS	304.10 L.B.	
12	ALEXANDER RD	30666	3/4"	IRON	1952	40				1			1
14	ARDEN RD	27187	3/4"	IRON	1926	15				1			1
5	ASBURY RD	36516	1"	IRON	1951	20				1			1
4	ASBURY RD	36515	1"	IRON	1951	35				1			1
20	BANCROFT ST	11565	3/4"	IRON	1895	15				1			1
21	BARR ST	23889	3/4"	IRON	1922	25				1			1
27	BARR ST	25510	3/4"	IRON	1924	25				1			1
7	BARRY RD	35877	1"	IRON	1950	10				1			
82	BEACONSFIELD RD	16571	3/4"	IRON	1909	35				1			1
102	BEACONSFIELD RD	16214	3/4"	IRON	1908	40				1			1
106	BEACONSFIELD RD	22538	3/4"	IRON	1919	35				1			1
78	BEACONSFIELD RD	16466	3/4"	IRON	1909	35				1			
20	BENJAMIN RD	36524	1"	IRON	1951	35				1			1
45	BERKMANS ST	30116	3/4"	IRON	1931	30				1			1
15	BLUE BELL RD	29542	3/4"	IRON	1930	20				1			1
19	BLUE BELL RD	29543	3/4"	IRON	1985	20				1			1
20	BLUE BELL RD	29439	3/4"	IRON	1929	35				1			1
6	BONNYBROOK RD	36100	1"	IRON	1951	15				1			1
10	BONNYBROOK RD	36102	1"	IRON	1951	10				1			1
17	BONNYBROOK RD	36105	1"	IRON	1951	35				1			1
18	BONNYBROOK RD	36106	1"	IRON	1951	15				1			1
9	BONNYBROOK RD	36101	1"	IRON	1951	35				1			1
13	BONNYBROOK RD	36103	1"	IRON	1951	35				1			1
14	BONNYBROOK RD	36104	1"	IRON	1951	20				1			1
33	BRISTOL ST	25058	3/4"	IRON	1924	20				1			1
1	BROOKHAVEN RD	36027	1"	IRON	1951	25				1			
16	BROWNELL ST	21317	3/4"	IRON	1917	40				1			1
23	BROWNELL ST	23946	3/4"	IRON	1922	20				1			1
25	BROWNELL ST	24266	3/4"	IRON	1923	15				1			1
33	BROWNELL ST	28034	3/4"	IRON	1927	35				1			1
43	BROWNELL ST	22096	3/4"	IRON	1919	35				1			1
47	BROWNELL ST	22097	3/4"	IRON	1919	30				1			1
49	BROWNELL ST	22940	3/4"	IRON	1920	35				1			1
11	BROWNELL ST	22004	3/4"	IRON	1918	20				1			1
29	BROWNELL ST	25993	3/4"	IRON	1925	15				1			1
170	CHANDLER ST	28499	1"	IRON	1927	40				1			1
174	CHANDLER ST	163	1"	IRON	1989	30				1			1
38	CHANDLER ST	28746	3/4"	IRON	1928	15				1			1
98	CHANDLER ST	7620	3/4"	IRON	1886	35				1			1
104	CHANDLER ST	7376	3/4"	IRON	1886	30				1			1
54	CHATANIKA AVE	26330	3/4"	IRON	1925	35				1			1
1	CLIVE ST	13085	3/4"	IRON	1954	20				1			1
1	COHASSET ST	20741	3/4"	IRON	1980	20				1			1
15	COMMODORE RD	27210	3/4"	IRON	1926	15				1			1
17	COMMODORE RD	27375	3/4"	IRON	1926	10				1			1
20	COMMODORE RD	26913	3/4"	IRON	1926	30				1			1
69	COMMODORE RD	25979	3/4"	IRON	1925	15				1			1
83	COMMODORE RD	26163	3/4"	IRON	1925	15				1			1
5	COOMBS RD	27883	3/4"	IRON	1927	15				1			1
1	COOMBS RD	27389	3/4"	IRON	1926	15				1			1
3	COOMBS RD	27126	3/4"	IRON	1926	15				1			1
15	COOMBS RD	27455	3/4"	IRON	1926	15				1			1
18	COOMBS RD	28624	3/4"	IRON	1928	30				1			1
5	CORNELL ST	29948	3/4"	IRON	1931	20				1			1
25	CRAWFORD ST	30439	3/4"	IRON	1934	20				1			1
13	CROYDON RD	28024	3/4"	IRON	1927	15				1			1
7	CUTTING AVE	21589	3/4"	IRON	1917	30				1			1
Totals						1410	0	0	57	0	0	54	

NOTES:

- CofS(ft.) - Change of Service on City Property (estimated footage)
- C.S. - Curb Stop Installed during CofS
- C.I.C.S. - Cut-In Curb Stop
- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits) Various Streets (From Darnell Road to Lovell Street)

	Address	Service No.	Size	Material	Year	Item Numbers & Descriptions						
						301.01	314.3	314.5	309.2	309.3	309.4	304.10
						CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
36	DARNELL RD	36377	1"	IRON	1951	30			1			1
37	DARNELL RD	36378	1"	IRON	1951	10			1			1
66	DARNELL RD	36392	1"	IRON	1951	30			1			1
10	DORIS ST	26566	3/4"	IRON	1925	35			1			1
11	DORIS ST	26565	3/4"	IRON	1925	15			1			1
7	DREXEL ST	26027	3/4"	IRON	1925	15			1			1
2	DURANT WAY	28431	3/4"	IRON	1927	15			1			1
8	DURANT WAY	31208	3/4"	IRON	1938	15			1			1
9	DURANT WAY	29894	3/4"	IRON	1931	25			1			1
5	EAMES AVE	23108	3/4"	IRON	1921	35			1			1
128	ELM ST	7859	3/4"	IRON	1887	25			1			1
15	EUREKA TER	23283	3/4"	IRON	1943	15			1			1
6	EUSTIS ST	24372	3/4"	IRON	1923	20			1			1
64	FRANCIS ST	19572	3/4"	IRON	1913	25			1			1
154	GRAND ST	8581	3/4"	IRON	1888	20			1			1
12	GRENADA ST	26544	3/4"	IRON	1925	35			1			1
681	GROVE ST	15519	3/4"	IRON	1906	25			1			1
478	GROVE ST	33051	3/4"	IRON	1943	25			1			1
480	GROVE ST	33052	3/4"	IRON	1943	25			1			1
79	HADWEN RD	29065	3/4"	IRON	1929	40			1			1
27	HADWEN RD	20784	3/4"	IRON	1915	35			1			1
12	HAZELWOOD RD	29190	3/4"	IRON	1929	40			1			1
14	HAZELWOOD RD	28827	3/4"	IRON	1928	40			1			1
15	HAZELWOOD RD	30141	3/4"	IRON	1931	15			1			1
17	HAZELWOOD RD	21340	3/4"	IRON	1916	15			1			1
3	HAZELWOOD RD	28807	1"	COPPER	1975	0				1		1
5	HAZELWOOD RD	30624	3/4"	COPPER	1935	0				1		1
7	HAZELWOOD RD	30537	3/4"	COPPER	1934	0				1		1
11	HAZELWOOD RD	41077	3/4"	COPPER	1962	0				1		1
22	HEALY RD	24840	3/4"	IRON	1923	15			1			1
5	HERBERT RD	35857	1"	IRON	1950	15			1			1
3	HERBERT RD	35856	3/4"	IRON	1950	15			1			1
4	HERBERT RD	35855	3/4"	IRON	<Null>	40			1			1
148	HIGHLAND ST	8727	3/4"	IRON	1931	25			1			1
107	HILLCROFT AVE	18118	3/4"	IRON	1912	40			1			1
54	HUMES AVE	29474	3/4"	IRON	1929	15			1			1
56	HUMES AVE	26377	3/4"	IRON	1925	15			1			1
3	IDALLA AVE	22834	1"	IRON	1920	15			1			1
1	IDALLA AVE	28763	3/4"	STEEL	1928	15			1			1
9	IDALLA AVE	22519	3/4"	IRON	1919	15			1			1
2	JENKINS ST	23986	3/4"	IRON	1978	15			1			1
27	JOHNSON ST	36518	1"	IRON	1951	40						1
15	JOPPA RD	27633	3/4"	IRON	1926	45			1			1
89	KENBERMA RD	29173	3/4"	IRON	1929	10						1
4	KENSINGTON RD	27881	1"	IRON	1927	45			1			1
518	LAKE AVE	29428	1"	IRON	1929	45			1			1
330	LAKE AVE NORTH	24370	3/4"	IRON	1923	35						1
334	LAKE AVE NORTH	25951	3/4"	IRON	2007	50						1
8	LANARK ST	28609	3/4"	STEEL	1928	15			1			1
12	LANARK ST	22433	3/4"	IRON	1919	15			1			1
26	LANARK ST	20392	3/4"	IRON	1913	15			1			1
138	LOVELL ST	29176	3/4"	IRON	1929	35			1			1
148	LOVELL ST	26093	3/4"	IRON	1925	15			1			1
430	LOVELL ST	21316	3/4"	IRON	1917	45			1			1
Totals						1275	0	0	46	4	0	54

NOTES:

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- L.B. - Lower Street Box

CDF

Service Worksheet

Street(limits): **Various Streets (From Main Street to Russell Street)**

						Item Numbers & Descriptions						
						301.01	314.3	314.5	309.2	309.3	309.4	304.10
Address	Service No	Size	Material	Year	CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.	
898 MAIN ST	8780	3/4"	IRON	1889	55			1			1	
84 MALVERN RD	9890	3/4"	IRON	1999	15			1			1	
133 MALVERN RD	21000	3/4"	IRON	1916	25			1			1	
3 MARAVISTA RD	27047	3/4"	IRON	1926	30			1			1	
8 MARAVISTA RD	27046	3/4"	IRON	1926	20			1			1	
3 MARCY ST	30590	3/4"	IRON	1935	40			1			1	
7 MARCY ST	29907	3/4"	IRON	1931	40			1			1	
6 MARDEN ST	20271	3/4"	IRON	1915	20			1			1	
1 MASSACHUSETTS AVE	16854	3/4"	IRON	1910	40	1						
44 MONROE AVE	29983	3/4"	IRON	1931	15						1	
4 INANA TRL	26218	3/4"	IRON	1925	10			1			1	
46 NORTH WORCESTER AVE	26719	3/4"	IRON	1925	20			1			1	
42 NORTH WORCESTER AVE	26612	3/4"	IRON	1925	20			1			1	
51 NORTH WORCESTER AVE	28001	3/4"	IRON	1927	35			1			1	
15 ORNE ST	27899	1"	IRON	1927	15			1			1	
30 PALISADES ST	21215	3/4"	IRON	1954	20							
16 PAPINEAU AVE	26219	3/4"	IRON	1925	15			1			1	
83 PINE VIEW AVE	25932	3/4"	IRON	1925	35			1			1	
109 PINE VIEW AVE	35816	3/4"	IRON	1950	35			1			1	
1070 PLEASANT ST	19287	1"	IRON	1913	40						1	
1104 PLEASANT ST	26490	3/4"	IRON	1925	35						1	
1062 PLEASANT ST	24367	3/4"	IRON	1923	45			1			1	
895 PLEASANT ST	24606	3/4"	IRON	1923	20			1			1	
985 PLEASANT ST	13077	3/4"	IRON	1899	25			1			1	
996 PLEASANT ST	23442	3/4"	IRON	1921	50						1	
1057 PLEASANT ST	15996	3/4"	IRON	1908	25			1			1	
1075 PLEASANT ST	14545	3/4"	IRON	1904	20			1			1	
1063 PLEASANT ST	15612	3/4"	IRON	1907	20			1			1	
907 PLEASANT ST	13411	3/4"	IRON	1900	20			1			1	
915 PLEASANT ST	14080	3/4"	IRON	2003	20						1	
70 RANDOLPH ST	19617	3/4"	IRON	1914	15						1	
39 REED ST	29554	3/4"	IRON	1930	10						1	
26 REED ST	28541	3/4"	IRON	1927	35			1			1	
38 REED ST	29396	3/4"	IRON	1929	30			1			1	
40 REED ST	29596	3/4"	IRON	1930	30			1			1	
63 RUSSELL ST	15067	1"	IRON	1905	30			1			1	
Totals					975	1	0	27	0	0	34	

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 CDF

Service Worksheet

Street(limits): **Various Streets (From Sachem Ave to Winifred Ave)**

						Item Numbers & Descriptions						
						301.01	314.3	314.5	309.2	309.3	309.4	304.10
	Address	Service No	Size	Material	Year	CofS(ft.)	Abandon	Abandon	C.S.	3/4"-1" CICS	1 1/4"-2" CICS	L.B.
24	SACHEM AVE	36265	3/4"	IRON	1951	20			1			1
6	SECOND ST	30832	3/4"	IRON	1936	15			1			1
8	SECOND ST	30040	3/4"	IRON	1931	15			1			1
19	SHERWOOD RD	35913	1"	IRON	1950	10			1			1
20	SHERWOOD RD	35916	1"	IRON	1950	40			1			1
24	SHERWOOD RD	35914	1"	IRON	1950	40			1			1
1000	SOUTHBRIDGE ST	33086	3/4"	IRON	1944	25			1			1
31	SOUTHVIEW RD	26603	1"	IRON	2018	30			1			1
43	SQUANTUM ST	31348	3/4"	IRON	1938	20			1			1
2	THAYER ST	28826	3/4"	IRON	1928	20			1			1
4	UTICA DR	26344	1"	IRON	1925	20			1			1
5	UTICA DR	27567	3/4"	IRON	1926	25			1			1
9	UTICA DR	29071	3/4"	IRON	1929	25			1			1
5	VENDORA RD	22758	3/4"	IRON	1920	20			1			1
19	WALNUT HILL DR	32237	3/4"	IRON	1941	20			1			1
74	WAVERLY ST	4294	3/4"	IRON	1874	35			1			1
67	WAYSIDE RD	33446	3/4"	IRON	1946	25			1			1
34	WAYSIDE RD	33152	3/4"	IRON	1945	30			1			1
915	WEST BOYLSTON ST	22478	3/4"	IRON	1919	20			1			1
609	WEST BOYLSTON ST	28443	3/4"	IRON	1927	40			1			1
458	WEST BOYLSTON ST	17035	3/4"	IRON	1959	30			1			1
566	WEST BOYLSTON ST	23070	3/4"	IRON	1905	15			1			1
406	WEST BOYLSTON ST	22075	3/4"	IRON	1919	25			1			1
16	WESTFIELD ST	12514	3/4"	IRON	1897	15			1			1
31	WESTFIELD ST	25103	3/4"	IRON	1924	30			1			1
54	WINIFRED AVE	30173	3/4"	IRON	1998	40			1			1
Totals						650	0	0	26	0	0	26

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CDF