

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-8206-W4

DATE: May 20, 2024

CITY OF WORCESTER  
Christopher J. Gagliastro, MCPPO  
Purchasing Agent

BUYER: Christopher Gagliastro

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: JUNE 12, 2024 TIME: 10:00 A.M. LOCAL TIME

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

MARK SEALED ENVELOPE **"Sealed Bid No. CR-8206-W4, Waterworks Supplies / DPW & P"**

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: furnish and deliver waterworks supplies (pipe & fittings) as per the attached requirements and specifications of the City of Worcester Department of Public Works & Parks for a period from date of contract through March 31, 2025 and at the sole discretion of the City to renew for a second and third year. The option to be determined near the end of the current contract period. See page 10 for extension option information.
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: all apply
7. **Other:** Please go to <http://www.worcesterma.gov/e-services/bids/closed-bids> to obtain results.

Questions pertaining to this bid **must be** directed to Christopher J. Gagliastro via e-mail at [gagliastroc@worcesterma.gov](mailto:gagliastroc@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: [gagliastroc@worcestermma.gov](mailto:gagliastroc@worcestermma.gov)). 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-owned 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 statutory worker's compensation insurance policies.
30. The Contractor shall carry public 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
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

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>
_____	_____	_____
_____	_____	_____
_____	_____	_____
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 of Customer Service Representative and the Contract Administrator responsible for servicing this account in the event of contract award are:

NAME (PLEASE PRINT) *Customer Service Rep.* \_\_\_\_\_ TEL. NO. \_\_\_\_\_

NAME (PLEASE PRINT) *Contract Administrator* \_\_\_\_\_ TEL. NO. \_\_\_\_\_

FAX NUMBER \_\_\_\_\_ FAX # \_\_\_\_\_

E-MAIL (Customer Service Rep.): \_\_\_\_\_

E-MAIL (Contract Administrator): \_\_\_\_\_

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.**



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    X    NO \_\_\_\_\_

Delivery to be made to: DPW & Parks Locations as required (see shipping & delivery instructions in specifications)

This Bid includes addenda numbered \_\_\_\_\_

<b>NO PRICE ADJUSTMENTS ALLOWED. PRICES QUOTED ARE FINAL. CHECK BEFORE SIGNING!</b>
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**BIDDER TO COMPLETE ITEMS BELOW**

Item No.	Estimated Annual Quantity	Description			Unit Price	Total Amount
		<p><b>Furnish and deliver waterworks supplies as per the attached requirements and specifications of the City of Worcester Department of Public Works &amp; Parks</b></p> <p><b>Bidders may bid on any or all groups. Award to be made by group. Bidder must bid all items per group.</b></p> <p><b>*Any additional waterworks supply items not specifically listed herein may be purchased from awarded vendors at a cost not to exceed 10% over vendor's net cost. City reserves the right to audit invoices for pricing accuracy. Vendor's invoice shall be prepared in a manner that City can determine cost plus percentage on these items.</b></p> <p><b>Questions pertaining to this bid must be directed to Chris Gagliastro at <a href="mailto:gagliastroc@worcesterma.gov">gagliastroc@worcesterma.gov</a></b></p>				<b>Refer to Pricing Pages</b>

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 \_\_\_\_\_

# **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.  
**(TO BE COMPLETED BY BIDDER)**

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.**

PRICING SHEETS:

ESTIMATED ANNUAL QUANTITIES ON ALL GROUPS

- **BIDDER MANY BID ON ANY OR ALL GROUPS.**
- **AWARD SHALL BE MADE BY GROUP.**
- **BIDDER MUST BID ON ALL ITEMS IN GROUP.**

**Group 5A, Curb Box Castings**

Acceptable Manufacturer's include Bingham & Taylor, EJ, General Foundries, A.Y. McDonald, Mueller Co.,

**Please list the name of the manufacturer(s) of the items being quoted on the line below:**

---

<b><u>Item Description</u></b>	<b><u>Estimated Quantity</u></b> (Per Each)	<b><u>Unit Price</u></b> (Per Each)	<b><u>Total Price</u></b>
1. 4-1/2 ft. – 5-1/2 ft., Erie Curb Box, Rod Style w/Pentagonal Nut Cover and 36” Rod	<b>200</b>	\$ _____	\$ _____
2. Erie Cover with Pentagonal Nut	<b>200</b>	\$ _____	\$ _____
3. 24” Rod	<b>50</b>	\$ _____	\$ _____
4. 6” Curb Box Extension	<b>50</b>	\$ _____	\$ _____
5. Ea. 12” Curb Box Extension	<b>50</b>	\$ _____	\$ _____
6. Ea. 18” Curb Box Extension	<b>50</b>	\$ _____	\$ _____

**Total of Group 5A Line Items =** \$ \_\_\_\_\_

## **Group 5B, Valve Boxes**

Acceptable Manufacturer's include Bingham & Taylor, Tyler Union, EJ

**Please list the name of the manufacturer(s) of the items being quoted on the line below:**

---

<b><u>Item Description</u></b>		<b><u>Estimated Quantity</u></b> (Per Each)	<b><u>Unit Price</u></b> (Per Each)	<b><u>Total Price</u></b>
1. Ea.	6" Gate Box Cover	<b>400</b>	\$ _____	\$ _____
2. Ea.	26" long Gate Box Top	<b>200</b>	\$ _____	\$ _____
3. Ea.	36" long Gate Box Bottom	<b>200</b>	\$ _____	\$ _____
4. Ea.	18" long Gate Box Extension	<b>50</b>	\$ _____	\$ _____
<b>Total of Group 5 Line Items =</b>			\$ _____	

## **Group 6, Worcester Spec. Service Boxes**

Acceptable Manufacturer's include General Foundries, Sigma Corp, EJ, Bingham & Taylor and Tyler Union

**Please list the name of the manufacturer(s) of the items being quoted on the line below:**

---

	<b><u>Item Description</u></b>	<b><u>Estimated Quantity</u></b> (Per Each)	<b><u>Unit Price</u></b> (Per Each)	<b><u>Total Price</u></b>
1.	<b>A-7, 4" Service Box Top (long – 30")</b> Worcester Spec. Custom Made, Cast Iron	<b>250</b>	\$ _____	\$ _____
2.	<b>A-7, 4" Service Box Top (short – 18")</b> Worcester Spec. Custom Made, Cast Iron	<b>250</b>	\$ _____	\$ _____
3.	<b>A-4, 4" Service Box Bottom (Split)</b> Worcester Spec. Custom made, Cast Iron	<b>250</b>	\$ _____	\$ _____
4.	<b>A-3, 4" Service Box Cover</b> Worcester Spec. Custom Made, Cast Iron	<b>300</b>	\$ _____	\$ _____

**Total of Group 6 Line Items =** \$ \_\_\_\_\_

**Shipping Instructions:** Receiving hours Mon. through Fri. 9:00 AM to 3:00 PM,  
**24 hr Notice** required on all Trailer Deliveries

**Ductile Iron Pipe, Hydrants, Worcester Spec. Service Boxes and Gate Boxes (only):**

Worcester D.P.W & P. Millbury Street Yard  
1065 Millbury Street  
Worcester, MA 01604  
Tel: (508) 752-8282

**All Other Materials:**

Worcester D.P.W. & P. Water Operations  
18 East Worcester Street  
Worcester, MA 01604-3699  
Tel: (508) 929-1300

# **WATER WORKS SUPPLIES SPECIFICATIONS & DETAILS**

## **GROUP 5A - CURB BOX SPECIFICATIONS**

Curb Boxes shall be arch pattern, rod type with the arch accommodating up to a one (1) inch ball valve. The curb box shall adjust or telescope one (1) foot for proper height.

The base section and lid shall be cast of heavy, high-grade iron. The upper section shall be one (1) inch steel pipe and telescope up and down in the base casting. Upper sections shall be held in the desired position by a strong clip ring located at the top of the base casting. A swedged lug at the bottom of the upper section shall fit into a cast slot in the base casting to prevent the upper section from turning when removing the lid or pentagonal nut.

The lid shall be a plug style with a deep slot for the release of water and removal of debris. The pentagonal plug shall be cast brass with a coarse thread.

The rod shall be a minimum of 5/8-inch in diameter with the yoke end permanently attached. A brass cotter pin shall be supplied with each rod. The top of the rod shall be forged in a manner that centers the top of the rod in the upper section of the curb box. Rods shall be 36-inch in length and shall be furnished as standard to the curb boxes.

Rods shall also be available separately and in different lengths on request.

All curb boxes shall be heavily coated with asphaltic-based paint.

Curb box base adapters to accommodate 1 1/4-inch through 2-inch ball valve curb stops shall be cast iron and shall fit into the base section of the standard curb box.

Manufacturer's specifications, shop drawings, and descriptive literature shall be submitted with each bid.

Failure to include the required manufacturer's information shall result in the rejection of bid.

## **GROUP 5B - VALVE BOX CASTINGS SPECIFICATIONS**

### **GENERAL REQUIREMENTS**

This specification shall apply to 5-1/4" shaft, slip type cast iron valve boxes only. **All valve boxes furnished as part of this particular specification (GROUP 5B only) shall comply the Build America, Buy America, ("BABA") provisions of the Infrastructure Investments and Jobs Act.** All iron used in the valve boxes is produced in the United States—this means all manufacturing processes, from the initial melting stage through the application of coatings, occurred in the United States. This specification is applicable for the gray iron castings. All casting manufacturers shall be approved suppliers of cast iron products for the City of Worcester, MA. All manufacturers shall be able to demonstrate that there is an acceptable quality control program at the producing foundry, and upon request, shall furnish a quality control manual. As part of the quality control program, the producing foundry shall be made available for the purpose of conducting an audit prior to supplying castings. All valve box parts shall be manufactured at the same producing foundry.

### **MATERIALS**

Gray iron castings shall be manufactured from iron conforming to AASHTO M105, Class 35B or ASTM A48, Class 35B, as noted in section 4.1 of AASHTO M306-10. The iron material used in products provided shall have a minimum recycled material content of 85%. The recycled material shall consist of post-consumer material.

### **CONSTRUCTION**

Castings shall be of uniform quality, free from sand holes, gas holes, shrinkage, crack, and other surface defects. Castings shall be reasonably smooth and well cleaned by shot blasting. Surfaces of the castings shall be free from burned-on sand and shall be reasonably smooth. Runners, risers, fins, and other cast on pieces shall be removed from the castings and such areas ground smooth. Bearing surfaces between covers and top sections shall be cast or machined with such precision that uniform bearing shall be provided throughout the perimeter area of contact. All cast dimensions may vary within accepted foundry tolerances as outlined in the Iron

Castings Handbook published by the American Foundrymen's Society, Inc. Nominally, casting dimensional tolerances shall be +/- 1/16" per foot. All published casting weights are average and approximate values and shall vary +/- 5%. Casting dimensions and specific tolerances are identified on the associated casting drawings. Castings shall meet the weight and dimensional criteria as shown on the associated drawings. All castings shall fit properly and be fully interchangeable.

#### TRAFFIC RATING

All gray iron valve box covers shall be rated for traffic service and meet the minimum proof load requirement for H2O as described in section 6 of AASHTO M306-10. Proof load test results shall be provided upon request.

#### INSPECTION

Inspections shall be in accordance with section 8 of AASHTO M306. Results of these tests shall be furnished to the purchaser upon request. The heat or production date and product numbers, as cast on the casting, shall be the basis of trace-ability and recording of the tests.

#### CERTIFICATION

A foundry certification shall be furnished to the purchaser stating that each lot meets the requirements of this specification. Applicable documentation shall be made available to the purchaser upon request.

#### MARKING

Each casting shall be identifiable and show, at minimum, the following: name of the producing foundry, country of manufacture (such as "Made in USA"), ASTM A48, Class 35B, individual part number, and cast or heat date.

#### COMPLIANCE

Gray iron valve boxes supplied to the City of Worcester shall comply with this specification and all other requirements of AASHTO M306-10, not specifically referenced herein.

#### **SPECIFICS OF VALVE BOX SIZES AND CONFIGURATIONS**

Valve Boxes shall be **domestically produced** cast iron, two- (2) piece slip type having an extension range of 40 inches to 61 inches, with the flange located at the **BOTTOM** of the top section, either EJIW 8555 series or Tyler Union 6855 series. Valve Box extension sections shall have an extension range as listed below. When furnished separately, all valve box covers, valve box bottom sections, and valve box top sections shall be compatible with the above-mentioned castings.

##### 1. TOP SECTIONS

This section shall be 26 inches in length with a minimum internal diameter of 6-1/8 inches. A flange shall be located at the **BOTTOM** of the section and the flange shall have a minimum diameter of 9 inches.

##### 2. BOTTOM SECTION

This section shall be 36 inches in length with a minimum internal diameter of 5-1/4 inches. The lower portion of this section shall be bell-shaped to accommodate the operating nut and packing assembly of the valve it will be set on. The minimum internal diameter of the bell-shaped portion shall be 8 inches and the minimum length of the bell-shaped portion shall be 6-1/2 inches.

##### 3. INTERMEDIATE/EXTENSION SECTIONS

This section shall be 18 inches in length with an extension range up to 14 inches. The section shall have a minimum internal diameter of 5-1/4 inches.

##### 4. VALVE BOX COVERS

The cover shall be cast iron with the word "WATER" cast into the cover. The cover shall have a minimum overall depth of 3-1/2 inches.



Manufacturer's specifications, shop drawings, and descriptive literature shall be submitted with each bid. All required information shall be submitted with and attached to the bid. Failure to include the required certificates of compliance and manufacturer's information shall result in the rejection of the bid.

## **GROUP 6 – WORCESTER STANDARD SERVICE BOX SPECIFICATIONS**

### **GENERAL REQUIREMENTS**

This specification is for Worcester Standard Service Boxes only. This specification is applicable for the gray iron castings. All casting manufacturers shall be approved suppliers of cast iron products for the City of Worcester, MA. All manufacturers shall be able to demonstrate that there is an acceptable quality control program at the producing foundry, and upon request, shall furnish a quality control manual. As part of the quality control program, the producing foundry shall be made available for the purpose of conducting an audit prior to supplying castings. All service box parts shall be manufactured at the same producing foundry.

### **MATERIALS**

Gray iron castings shall be manufactured from iron conforming to AASHTO M105, Class 35B or ASTM A48, Class 35B, as noted in section 4.1 of AASHTO M306-10. The iron material used in products provided shall have a minimum recycled material content of 85%. The recycled material shall consist of post-consumer material.

### **CONSTRUCTION**

Castings shall be of uniform quality, free from sand holes, gas holes, shrinkage, crack, and other surface defects. Castings shall be reasonably smooth and well cleaned by shot blasting. Surfaces of the castings shall be free from burned-on sand and shall be reasonably smooth. Runners, risers, fins, and other cast on pieces shall be removed from the castings and such areas ground smooth. Bearing surfaces between covers and top sections shall be cast or machined with such precision that uniform bearing shall be provided throughout the perimeter area of contact. All cast dimensions may vary within accepted foundry tolerances as outlined in the Iron Castings Handbook published by the American Foundrymen's Society, Inc. Nominally, casting dimensional tolerances shall be  $\pm 1/16"$  per foot. All published casting weights are average and approximate values and shall vary  $\pm 5\%$ . Casting dimensions and specific tolerances are identified on the associated casting drawings. Castings shall meet the weight and dimensional criteria as shown on the associated drawings. All castings shall fit properly and be fully interchangeable.

### **TRAFFIC RATING**

All gray iron valve box covers shall be rated for traffic service and meet the minimum proof load requirement for H2O as described in section 6 of AASHTO M306-10. Proof load test results shall be provided upon request.

### **INSPECTION**

Inspections shall be in accordance with section 8 of AASHTO M306. Results of these tests shall be furnished to the purchaser upon request. The heat or production date and product numbers, as cast on the casting, shall be the basis of trace-ability and recording of the tests.

### **CERTIFICATION**

A foundry certification shall be furnished to the purchaser stating that each lot meets the requirements of this specification. Applicable documentation shall be made available to the purchaser upon request.

### **MARKING**

Each casting shall be identifiable and show, at minimum, the following: name of the producing foundry, country of manufacture (such as "Made in USA"), ASTM A48, Class 35B, individual part number, and cast or heat date.

### **COMPLIANCE**

Gray iron valve boxes supplied to the City of Worcester shall comply with this specification and all other requirements of AASHTO M306-10, not specifically referenced herein.

### **SPECIFICS OF SERVICE BOX SIZES AND CONFIGURATIONS**

### DESIGN AND DIMENSIONS

The design and dimensions of the castings are given on the attached drawings. These drawings are hereby made part of the specifications herein. Vendors are encouraged to examine sample castings at the Worcester DPW&P Water Operations, Millbury St. yard, Worcester, MA, prior to quoting on items.

### PATTERNS

The contractor shall furnish and maintain at his expense all patterns necessary to make these castings.

### COATING

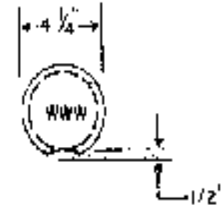
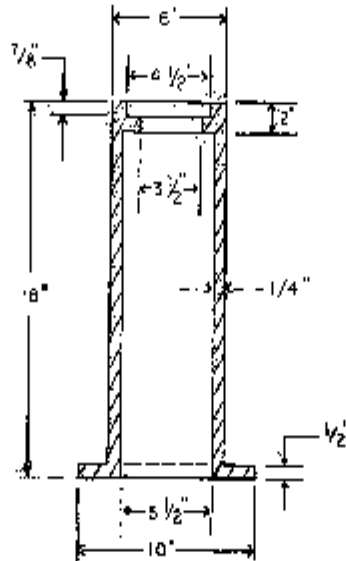
All castings shall have a coal tar varnish coating inside and outside.

<u>ITEM NO.</u>	<u>DESCRIPTION</u>	<u>WEIGHT</u>
1.	A-7 Telescope Tops (long – 30”)	59 lbs.
2.	A-7 Telescope Tops (short – 18”)	37 lbs.
3.	A-4 Telescope Bottoms (split)	45 lbs.
4.	A-3 Telescope Top Covers	4.5 lbs.

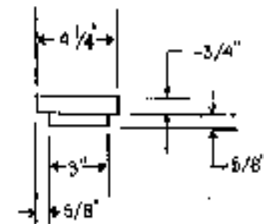
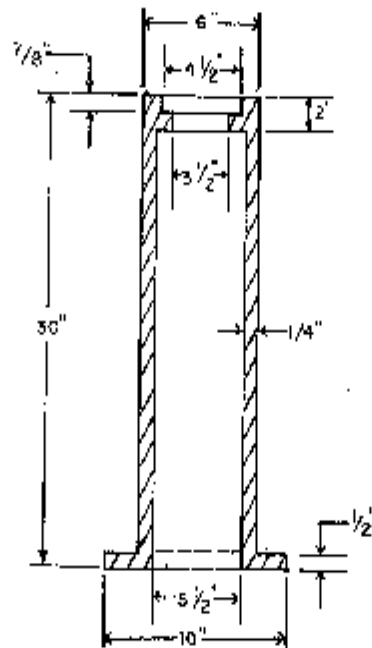
# **GROUP 6 - SERVICE BOX DETAIL SHEETS**

## **TELESCOPE TOP**

PATTERN NO. A-7 (SHORT)  
WT. 37#



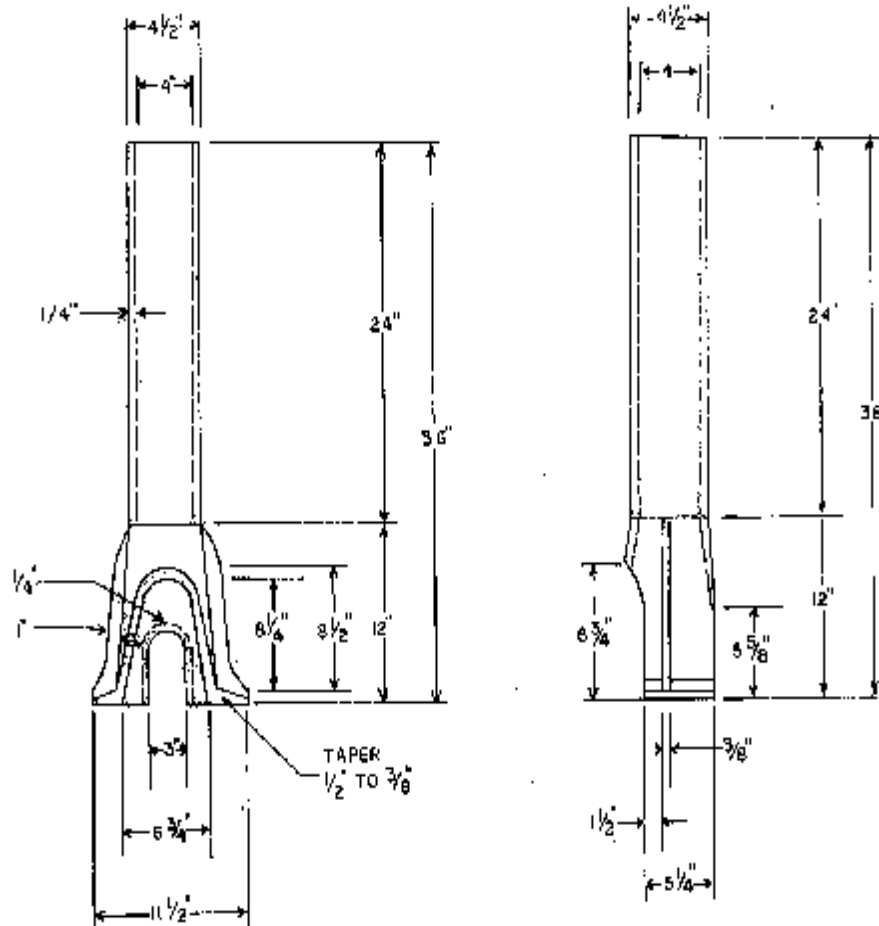
PATTERN NO. A-7 (LONG)  
WT. 59#



## **TELESCOPE TOP COVER**

PATTERN NO. A-3 WT. 45#

<p align="center">SERVICE BOX DETAIL</p> <p align="center">CITY OF WORCESTER D.R.W. WATER OPERATIONS no scale</p>	Rev.	no.	By	Date
		1	MJF	1-9-90
		2	AVC	3-15-99
			Drawn By: V.J.K.	DETAIL
			Checked By: A.C.M.	1 of 2
			Date: 10-5-79	



### TELESCOPE BOTTOM - SPLIT

PATTERN NO. A-4. WT. 45#

SERVICE BOX DETAIL  CITY OF WORCESTER D.P.W. WATER OPERATIONS no scale	Rev. no.	By	Date
	1	MJF	1-9-90
	Drawn By: V.J.K.	DETAIL	
	Checked By: A.C.M.	2 of 2	
	Date: 10-5-79		