



CITY OF PROVIDENCE, RHODE ISLAND

**Department: Providence Water**

**RFP Title: Accelerated Lead Service Line Replacement Program-Contract 2.1**

**Opening Date: 02/10/2025**

**Addendum #: 1**

**Issue Date: 02/05/2025**

The purpose of this addendum is to provide additional information.



## ADDENDUM NO. 1

**TO:** ALL CONTRACT DOCUMENT HOLDERS OF RECORD  
ALL PROSPECTIVE BIDDERS

**FROM:** PROVIDENCE WATER  
125 DUPONT DRIVE  
PROVIDENCE, RHODE ISLAND 02907  
PHONE: (401) 521-6300

**DATE ISSUED:** WEDNESDAY, FEBRUARY 5, 2025

**RE:** ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM –  
CONTRACT 2.1  
CONTRACT NO. 20234

**BID OPENING DATE:** MONDAY, FEBRUARY 10, 2025 AT 2:15 PM

**BID OPENING LOCATION:** BOARD OF CONTRACT AND SUPPLY MEETING  
CITY COUNCIL CHAMBERS  
PROVIDENCE CITY HALL  
25 DORRANCE STREET  
PROVIDENCE, RHODE ISLAND 02903

**LAST WRITTEN QUESTIONS DUE:** FRIDAY, JANUARY 31, 2025

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This Addendum No. 1, including all referenced attachments, modifies, amends, and supplements designated parts of the Contract Documents to the above-referenced project and shall be part of the Contract Documents as provided in the “Instructions to Bidders” for the above-referenced project.

Acknowledge receipt of this Addendum by inserting its number and date on page 00 41 00 – 1 of the Bid Form. Failure to do so may subject the Bidder to disqualification.

The Contract Documents are hereby modified, amended, and supplemented as follows:

### **ATTACHMENTS**

The following attachments are included with this Addendum:

1. Pre-Bid Conference Meeting Report
2. Specification 00 41 00 Bid Form – **Reminder to bidders: Make sure to use the Bid Form for Contract 2.1, labeled “REVISED PER ADDENDUM NO. 1” in the bottom righthand corner.**
3. Specification 01025 Measurement and Payment

### **PRE-BID CONFERENCE**

1. The meeting report from the pre-bid conference held on Thursday January 30, 2025, at 2:00 PM is attached to and included with this Addendum.

### **SPECIFICATIONS**

1. **SPECIFICATION 00 41 00 – BID FORM: REPLACE** Section 00 41 00 with the attached Section 00 41 00 in its entirety (9 pages).
2. **SPECIFICATION 01025 – MEASUREMENT AND PAYMENT: REPLACE** Section 01025 with the attached Section 01025 in its entirety (24 pages).

### **QUESTIONS**

**-END OF ADDENDUM NO. 1-**

# ATTACHMENT 1



## Meeting Agenda

**Project:** Accelerated Lead Service Line Replacement Program Contract 2.1 Re-Bid      **Project No.:** 20234

**Meeting Date:** January 30, 2025 at 2:00 PM

**Subject:** Pre-Bid Conference Meeting

**Location:** Virtual Meeting via Microsoft Teams

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Meeting is being recorded. Hold all questions until the end. Please mute yourself if not speaking to limit background noise.

*It is expressly understood by all attendees that if there are any inadvertent conflicts in this Pre-Bid Conference with the Contract Documents (Specifications and/or Drawings), that the Contract Documents and any issued Addenda shall govern.*

### 1. Introductions & Meeting Attendance

a. Owner – Providence Water (PW)

- i. Matt Gallant
- ii. Gianna Coppola

b. Engineer – CDM Smith

- i. Sandy Kutzing
- ii. Megan Moody
- iii. Ben Skrabak
- iv. Mark Filomeno
- v. Eileen Sundberg

c. Attendees – All attendees must provide name and agency/company name; please email Megan Moody, CDM Smith Project Manager, at [moodymb@cdmsmith.com](mailto:moodymb@cdmsmith.com) to confirm your meeting attendance and provide contact information.

- i. Robert Hillman (Ferreira Construction Co.)
- ii. Pete Fogarty (Boyle & Fogarty Construction Co., Inc)
- iii. Carmel D'Artista (Ricci Drain-Laying Co.)

### 2. Summary of Project and Work

- a. The Work of this Project generally includes replacing lead service lines within the retail water service area of PW in the City of Providence, Rhode Island.
- b. Work of this Project will include, but is not limited to, furnishing all materials, labor, equipment, tools, services, appurtenances, and incidentals required to replace lead service lines (both public and private) and to perform all required and associated surface restoration.
- c. Refer to Section 01010 – Summary of Work for a detailed description and summary of all Work of this Project.
- d. Bidders are requested to provide unit rate bid prices for replacing public side only lead service lines (water main to curb stop), public side portion of a full lead service line (water main to curb stop), private side only lead service line (curb stop to meter) and private side portion of a full lead service line (curb stop to meter), along with their qualifications to perform the Work of replacing water service lines. Minimum qualification requirements for water service line replacements and installations are specified in Section 00 21 13 – Instructions to Bidders, Article 2, Paragraph 2.2.
- e. The intent of this Project is that the Owner desires to make an award to the lowest qualified and responsible Bidder on the basis of the Base Bid plus all Supplementary Bid Items.
- f. No work shall be performed by any Contractor without first obtaining and securing proper permits from the respective jurisdiction(s) and issuing authorities. Permit costs are to be included as part of the lead service line replacement unit cost.
- g. No scheduling of replacements shall be performed by any Contractor without approvals of the noted submittals in the Preliminary Shop Drawing List in Section 01300 Paragraph 2.01.A.
- h. Uniformed Traffic Control shall be arranged and coordinated directly by the Contractor and invoices for any and all traffic control shall be submitted for direct reimbursement with no markup by Contractor under the allowance item as included Bid Item No. 1J. Determination of using Uniformed Traffic Control (Bid Item 1J) vs. Flaggers (Bid Item 1K) will be at the discretion of the Contractor unless uniformed police are required in an area by the City or State.
- i. Refer to Section 01025 – Measurement and Payment for a detailed description of the various items of the work. Lead service line replacements shall be the same price and payment for each and every lead service line replacement of that replacement item type.

- j. All Work shall be constructed in accordance with the Specifications and Construction Details in the appendices. If there are any conflicts between these technical specifications and construction details, specifically in the General Requirements of these appended documents, the Division 0 and Division 1 of these Specifications shall govern.
- k. Note, scale shown in Appendix A figures is for topographical information only, such as streets and buildings. Dots representing properties with lead service lines are not to scale and are for identifying the correct properties only. The lines represent which building and which street the service line runs between and does not show the service line alignment.

### **3. General**

- a. City of Providence, Rhode Island; State of Rhode Island; and Federal Government Rules, Regulations, Ordinances and Provisions apply to this Contract. Refer to Section 007300 Supplementary Conditions.
- b. Questions related to the City of Providence bidding process, MBE/WBE program and requirements, and technical questions should be submitted to the respective contacts as listed in the Request For Proposals included at the beginning of the Specifications.
- c. There is a City of Providence goal of 10% Women's Business Enterprise (WBE) and 10% Minority Business Enterprise (MBE), with an overall goal of 20% of the total bid value. An MBE/WBE Waiver Request Form may be submitted for consideration by the City of Providence as specified in the Contract Documents. The City of Providence MBE/WBE Waiver Request Form does not apply to the EPA DBE Program.
- d. The work of this Contract is in part funded by the Rhode Island Drinking Water State Revolving Fund (DWSRF) as administered by the Environmental Protection Agency (EPA). Bidders shall comply with all requirements of the Rhode Island DWSRF, including but not limited to American Iron and Steel (AIS), Build America Buy America (BABA), and EPA's Disadvantaged Business Enterprise (DBE) Program of which Providence Water and EPA has established a requirement of 10% DBE participation (no waiver request is available).
- e. The contractor is required to post the DWSRF/BIL project signs somewhere visible for public viewing. Contractor is required to post a set of labor law posters that employees see on a regular basis along with prevailing wage rates. It is the contractor's responsibility to replace the prevailing wage rates when and if they are updated during the duration of the contract.
- f. Bidders must be affiliated with a state or federal registered apprenticeship program as specified in Appendix O of the Contract Documents. A minimum of 15% of total labor

hours performed by the contractor shall be completed by apprentices registered in the state or federal registered apprenticeship program.

- g. Bidders must meet the qualification requirements specified in the Instructions to Bidders, Article 2, Paragraph 2.2 for water service line replacements and installations. The minimum requirement is 1,000 lead service line replacements involving the private side of the line in the past 10 years. Bidders must submit qualifications information to demonstrate compliance using the forms provided in Section 00 45 13 – Bidder's Qualifications.
- h. Bids should be submitted in accordance with the City of Providence Request For Proposals included at the beginning of the Specifications and Section 00 21 13 – Instructions to Bidders.
- i. Bidders will be required to provide specified insurance certificates and performance and payment bonds for execution of the construction contract.
- j. All Applications for Payment shall be prepared and submitted by Contractors as specified in Section 01026 and shall be submitted monthly.
- k. Adequate workforce including subcontractors shall be provided to complete the work within the Contract schedule while maintaining minimum monthly quota of 80 completed service replacements per month during winter months (December through March) and 100 completed service replacements during summer months (April through November starting in the third month from the Executed Date of Agreement or Notice to Proceed Date, whichever is earlier.
- l. Refer to Section 01014 Construction Sequence and Schedule Requirements. No City of Providence Department of Public Works controlled roads can be opened after November 15<sup>th</sup> or before April 15<sup>th</sup>. Private-only replacements can be performed in the City of Providence during the winter months. Private-side only replacements can only be performed IF hot patch is available and is to be scheduled by the Contractor with open plants. Hot patch is to be used for temporary sidewalk restoration with final concrete restoration to be completed in the spring.
- m. Partial replacements will be permitted after contractor outreach is complete and approved by Providence Water in writing. Providence Water must approve the partial replacement in writing before the replacement begins.
- n. Work cannot be started on a property that requires a private-side replacement without obtaining a Right of Entry and Release form for Lead Service Line Replacement. Contractor shall collect the ROE forms and load them to leadCAST per Section 01014. Construction Sequence and Schedule Requirements are as follows:



- i. Contractor shall complete all outreach efforts as required per Section 01170 no later than four (4) months before the end of the Contract.
  - ii. Owner outreach can continue up to three (3) months before the end of the Contract.
  - iii. Contractor shall complete all replacements no later than two (2) months before the end of the Contract to allow time for final restoration in accordance with the minimum required settlement durations in Section 01170.
  - iv. Of the total replacements noted in Section 00 11 16, a total of 15 replacements of Item 1B, 10 replacements of Item 2A, and 15 replacements of Item 2B (for a potential maximum of 25 separate locations) will be locations directed by the Owner to be completed within 48 hours regardless of weekends and holidays. These are considered "emergency replacements" and will be within the Providence Water Distribution System. These locations may or may not be listed in Appendix A of the Contract Documents.
- o. In accordance with Section 01170, Paragraph 1.18 Contractors shall make four (4) documented attempts to obtain a signed ROE from homeowners and log attempts in leadCAST. The four (4) attempts shall be on different dates and times and using different media. A minimum of three (3) of the attempts must be door-to-door. A maximum of one (1) of the attempts can be a phone call or email. The Contractor shall leave notification each time with a phone number for the Customer to contact them. If after four attempts, the ROE is not completed, the Contractor shall inform the Owner and Engineer in writing of the address, Customer name and the documented four (4) failed attempts including date, time and media.
  - p. All RFIs and submittals will be tracked electronically, and the Contractor will be required to submit them through Kahua. All submittals are detailed in Section 01300.
  - q. All data will be tracked electronically, and the Contractor will be required to record information on a daily basis in leadCAST. The fields required to be recorded are listed in Section 01720 Paragraph 1.03.
  - r. Two licenses will be provided for Kahua to the Contractor per Section 01300. Any additional licenses can be purchased by the Contractor.
  - s. Pre-construction photos shall be provided for each property to document existing conditions per Section 01322. Post-construction photos shall be provided for each property and are required per Section 01322 to provide final visual evidence and a final record of final restoration.

- t. Contractors shall provide pitcher filter installation instructions, filter use and flushing instructions, health effects flyers, and sample offer flyers per Section 02663.
- u. Contractor to obtain all necessary permits for proper execution of the project per Section 01170 Paragraph 1.07. The required permits per service are as follows:
  - i. Water Service Application
  - ii. Traffic Engineering Permit
  - iii. Road Opening (municipal and state) Permit
  - iv. Sidewalk Opening Permit
  - v. Street Closure Permit
  - vi. Plumbing Permit
- v. Record documents shall consist of pre- and post-construction photos, completed PWSB water service applications, electronic data per Section 01720.
- w. Prior to performing a replacement involving the private side (curb to meter), the Contractor shall have a quality inspection performed by a competent person properly trained to check if the existing water pipe is being used for grounding and test for current per Section 02663. Install a temporary bonding jumper in parallel to the existing service line, firmly attached with approved grounding clamps on either side of the service line. Temporary grounding will be removed once the replacement is complete.
- x. Pitcher filters (with replacement cartridges, as needed) suitable for a minimum 6-month duration, along with instructions for use shall be furnished and delivered by the Contractor at the quantity needed to supply one pitcher filter to each unit in a property following replacement. Contractor as specified shall store pitcher filters in a suitable location and furnish at the time of replacement property. Contractor record delivery of pitcher filters (with replacement cartridges, as needed).
- y. Contractor is responsible for providing to the Owner four (4) iPads (with data plans) for the RPRs to use on site and additional iPads (1 per crew to Contractor staff) to document photos in leadCAST on a daily basis.
- z. Contractor to complete final paving restoration no earlier than 45 days after the replacement to allow sufficient time for settlement.

#### **4. Anticipated Schedule**

- a. February 5, 2025 – Last addendum issued.
- b. February 10, 2025 – Bid opening at 2:15 PM at Board of Contract and Supply Meeting, City Council Chambers, 3<sup>rd</sup> Floor, Providence City Hall, 25 Dorrance Street, Providence, Rhode Island.
- c. By May 11, 2025 (within 90 days of bid opening) – Anticipated award and execution of contract(s).
- d. Contract time/duration is 607 calendar days from Executed Date of Agreement OR Notice to Proceed, whichever is earlier.

## 5. General Discussion and Questions

*Reminder: Only questions answered by formal written Addenda are binding in accordance with the Section 00 21 13 – Instructions to Bidders of the Specifications. Oral and other clarifications or interpretations (including questions and verbal answers at this pre-bid conference meeting) are without legal effect. Questions received at this pre-bid conference meeting will be answered in a meeting report issued by formal written Addenda. In accordance with Section 00 21 13 – Instructions to Bidders, Article 5, all questions shall be submitted in writing at least ten days before the date set for the bid opening to: Megan Moody, CDM Smith Project Manager, [moodymb@cdmsmith.com](mailto:moodymb@cdmsmith.com). Bidders are encouraged to submit any questions asked at the pre-bid conference meeting in writing to confirm that they are received. Bidders are solely responsible for verifying that their questions are received.*

1. Question: There are a number of locations on roads with concrete subbases. Will you consider adding a separate bid item for this?
  - a. Answer: Concrete subbase is included as part of the bid items.
2. Question: Do you know the locations where there is concrete base?
  - a. Answer: We do not know all the locations.
3. Question: This will drive the price up when we don't know where the concrete road bases are.
  - a. Answer: The team will discuss consideration of a separate bid item for concrete subbase.

# ATTACHMENT 2



**BID FORM  
TO  
PROVIDENCE WATER  
ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM – CONTRACT 2.1  
PROJECT NO. 20234**

This Bid is submitted to the City of Providence, Board of Contract and Supply, Department of the City Clerk, Room 311, Providence City Hall, 25 Dorrance Street, Providence, Rhode Island 02903.

The undersigned declares that the only persons or parties interested in this Bid as principals are as stated; that the Bid is made without any collusion with other persons, firms, or corporations; that all the Contract Documents dated January 2025 have been carefully examined; that the undersigned is fully informed in regard to all conditions pertaining to the Work and the places where it is to be done, and from them the undersigned makes this Bid. These prices shall cover all expenses incurred in performing the Work required under the Contract Documents, of which this Bid Form is a part.

If a Notice of Award accompanied by unsigned copies of the Agreement and all other applicable Contract Documents is delivered to the undersigned after the actual date of the opening of the Bids, the undersigned, in accordance with the Standard General Conditions of the Construction Contract as amended and/or modified by the Supplementary Conditions, will execute and return all copies of the Agreement and all other applicable Contract Documents to Owner. The premiums for all Bonds and Insurance required shall be paid by Contractor and shall be included in the Contract Prices. The undersigned Bidder further agrees that the Bid Security accompanying this Bid shall become the property of Owner if the Bidder fails to execute the Agreement as stated above.

The undersigned hereby agrees to fully complete the Work within the times specified in the Contract Documents and in the Agreement.

The undersigned acknowledges receipt of addenda numbered:

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In accordance with the above understanding, the undersigned proposes to perform the Work, furnish all materials and complete the Work in its entirety in the manner and under the conditions required at the prices listed as follows:

**PROVIDENCE WATER  
 ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM - CONTRACT 2.1  
 PROJECT NO. 20234**

**BID FORM**

| <b><u>ITEM NO.</u></b> | <b><u>ESTIMATED QUANTITY</u></b> | <b><u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u></b>   | <b><u>UNIT BID PRICE IN FIGURES</u></b> | <b><u>AMOUNT IN FIGURES</u></b> |
|------------------------|----------------------------------|---|---|---------------------------------|
| 1A.1                   | 3<br>each                        | Lead Service Line Replacement - Public Side Only (Water Main to Curb Stop)<br><hr/> each                          | <hr/> \$                                | <hr/> \$                        |
| 1A.2                   | 110<br>each                      | Lead Service Line Replacement - Public Side Partial (Water Main to Curb Stop)<br><hr/> each                       | <hr/> \$                                | <hr/> \$                        |
| 1B                     | 923<br>each                      | Lead Service Line Replacement - Public Side Portion of a Full Replacement (Water Main to Curb Stop)<br><hr/> each | <hr/> \$                                | <hr/> \$                        |
| 1C                     | 180<br>each                      | Test Pit at Curb Stop<br><hr/> each   | <hr/> \$                                | <hr/> \$                        |
| 1D.1                   | 530<br>each                      | New Curb Box<br><hr/> each  | <hr/> \$                                | <hr/> \$                        |
| 1D.2                   | 40<br>each                       | New Curb Stop Valve<br><hr/> each   | <hr/> \$                                | <hr/> \$                        |
| 1E                     | 463<br>each                      | Long Side Replacement<br><hr/> each   | <hr/> \$                                | <hr/> \$                        |
| 1F                     | 500<br>CY                        | Lead Service Line Excavation Greater Than Five (5) Feet<br><hr/> per cubic yard                                   | <hr/> \$                                | <hr/> \$                        |

**PROVIDENCE WATER  
 ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM - CONTRACT 2.1  
 PROJECT NO. 20234**

**BID FORM**

| <b><u>ITEM NO.</u></b> | <b><u>ESTIMATED QUANTITY</u></b> | <b><u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u></b>   | <b><u>UNIT BID PRICE IN FIGURES</u></b> | <b><u>AMOUNT IN FIGURES</u></b> |
|------------------------|----------------------------------|---|---|---------------------------------|
| 1G                     | 50<br>SY                         | Final Trench Pavement Restoration (Infra-red)<br><br>_____ per square yard  | \$ _____                                | \$ _____                        |
| 1H                     | 450<br>SY                        | Final Trench Pavement Restoration (Milling and Paving)<br><br>_____ per square yard                               | \$ _____                                | \$ _____                        |
| 1I                     | 135,000<br>SY                    | Final Pavement (Curb-to-curb)<br><br>_____ per square yard  | \$ _____                                | \$ _____                        |
| 1J                     | \$ 187,000.00<br>ALLOWANCE       | Uniformed Police Traffic Control<br><br>_____ One hundred eighty seven thousand dollars and zero cents allowance  | \$ 187,000.00                           | \$ 187,000.00                   |
| 1K                     | \$ 187,000.00<br>ALLOWANCE       | Flagger for Traffic Control<br><br>_____ One hundred eighty seven thousand dollars and zero cents allowance       | \$ 187,000.00                           | \$ 187,000.00                   |
| 1L                     | \$ 50,000.00<br>ALLOWANCE        | Utility Provisions<br><br>_____ Fifty thousand dollars and zero cents allowance                                   | \$ 50,000.00                            | \$ 50,000.00                    |
| 2A                     | 643<br>each                      | Lead Service Line Replacement - Private Side Only (Curb Stop to Meter)<br><br>_____ each                          | \$ _____                                | \$ _____                        |
| 2B                     | 923<br>each                      | Lead Service Line Replacement - Private Side Portion of a Full Replacement (Curb Stop to Meter)<br><br>_____ each | \$ _____                                | \$ _____                        |

**PROVIDENCE WATER  
 ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM - CONTRACT 2.1  
 PROJECT NO. 20234**

**BID FORM**

| <b><u>ITEM NO.</u></b> | <b><u>ESTIMATED QUANTITY</u></b> | <b><u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u></b>   | <b><u>UNIT BID PRICE IN FIGURES</u></b> | <b><u>AMOUNT IN FIGURES</u></b> |
|------------------------|----------------------------------|---|---|---------------------------------|
| 2C                     | 190<br>each                      | Access Not Provided<br>_____  | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |
| 2D                     | 285<br>each                      | Reduced Pressure Zone (RPZ) Backflow Preventer<br>_____   | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |
| 2E                     | 32<br>each                       | Lead Service Line Replacement - Short Segment Private Side Only (Curb Stop to Meter)<br>_____                         | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |
| 3A                     | 60<br>each                       | Lead Service Line Replacement - Commercial - Private Side Only (Curb Stop to Meter)<br>_____                          | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |
| 3B                     | 59<br>each                       | Lead Service Line Replacement - Commercial - Private Side Portion of a Full Replacement (Curb Stop to Meter)<br>_____ | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |
| 4                      | 5,300<br>each                    | Pitcher Filters and Replacement Cartridges<br>_____   | \$ _____                                | \$ _____                        |
|                        |                                  | each  |   |                                 |

TOTAL BASE BID PRICE IN WORDS (Items 1A.1-4) \_\_\_\_\_

TOTAL BASE BID PRICE IN FIGURES (Items 1A.1-4) \_\_\_\_\_

\*Transfer Total Base Bid plus Supplemental in words and figures to  
 Section 001000 Bid Form 1 Bidders Blank (Page 7 of 30) under  
 "Total Amount in Writing and Total Amount in Figures."



**PROVIDENCE WATER  
 ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM - CONTRACT 2.1  
 PROJECT NO. 20234**

**BID FORM**

| <b><u>ITEM NO.</u></b> | <b><u>ESTIMATED QUANTITY</u></b> | <b><u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u></b> | <b><u>UNIT BID PRICE IN FIGURES</u></b> | <b><u>AMOUNT IN FIGURES</u></b> |
|------------------------|----------------------------------|---|---|---------------------------------|
| S-1A                   | 600<br>CY                        | Imported Common Fill<br><br>_____                                     | \$ _____                                | \$ _____                        |
|                        |                                  | per cubic yard  |   |                                 |
| S-1B                   | 120<br>CY                        | Crushed Stone<br><br>_____  | \$ _____                                | \$ _____                        |
|                        |                                  | per cubic yard  |   |                                 |
| S-1C                   | 30<br>CY                         | Flowable Fill<br><br>_____  | \$ _____                                | \$ _____                        |
|                        |                                  | per cubic yard  |   |                                 |
| S-2                    | 200<br>CY                        | Concrete Subbase Pavement Restoration<br><br>_____                    | \$ _____                                | \$ _____                        |
|                        |                                  | per cubic yard  |   |                                 |
| S-3                    | 150<br>CY                        | Miscellaneous Concrete<br><br>_____                                   | \$ _____                                | \$ _____                        |
|                        |                                  | per cubic yard  |   |                                 |
| S-4                    | \$ 600,000.00<br>ALLOWANCE       | Miscellaneous Work at Direction of the Owner<br><br>_____             | \$ 600,000.00                           | \$ 600,000.00                   |
|                        |                                  | Six hundred thousand dollars and zero cents allowance                 |   |                                 |

**PROVIDENCE WATER  
ACCELERATED LEAD SERVICE LINE REPLACEMENT PROGRAM - CONTRACT 2.1  
PROJECT NO. 20234**

**BID FORM**

| <b><u>ITEM NO.</u></b>                                  | <b><u>ESTIMATED QUANTITY</u></b> | <b><u>BRIEF DESCRIPTION OF ITEMS WITH UNIT BID PRICE IN WORDS</u></b> | <b><u>UNIT BID PRICE IN FIGURES</u></b> | <b><u>AMOUNT IN FIGURES</u></b> |
|---|----------------------------------|---|---|---------------------------------|
| TOTAL SUPPLEMENTAL PRICE IN WORDS (S-1A through S-4)    |                                  |   | <hr/>                                   |                                 |
| TOTAL SUPPLEMENTAL PRICE IN FIGURES (S-1A through S-4)  |                                  |   | <hr/>                                   |                                 |
| TOTAL BASE BID PRICE PLUS SUPPLEMENTAL PRICE IN WORDS   |                                  |   | <hr/>                                   |                                 |
| TOTAL BASE BID PRICE PLUS SUPPLEMENTAL PRICE IN FIGURES |                                  |   | <hr/>                                   |                                 |

\*Transfer Total Base Bid plus Supplemental in words and figures to  
Section 001000 Bid Form 1 Bidders Blank (Page 7 of 30) under  
"Total Amount in Writing and Total Amount in Figures."



The undersigned agrees that extra work, if any, will be performed in accordance with Article 11 of the Conditions of the Contract and will be paid for in accordance with Article 12 of the Conditions of the Contract.

The undersigned agrees to furnish Performance and Payment Bonds as specified with a surety company acceptable to the Owner.

Amounts shall be shown in both words and figures, where indicated. In case of discrepancy, the amount shown in words will govern.

The above prices shall include all labor, materials, bailing, shoring, removal, overhead, profit, insurance and incidentals required to complete the Work.

The undersigned acknowledges that (1) they have examined the Contract Documents thoroughly, including all the requirements specified in the Request For Proposals, Invitation to Bid and Instructions to Bidders; (2) they have had the opportunity to visit the site(s) to become familiar with local conditions that may in any manner affect cost, progress or performance of the Work; (3) they are familiar with all Federal, State and local laws, ordinances, rules and regulations that may in any manner affect cost, progress or performance of the Work; and (4) they have studied and carefully correlated Bidder's observations with the requirements of the Contract Documents.

The undersigned acknowledges that they have had the opportunity to make additional investigations and tests as they may deem necessary to determine their Bid for performance of the Work in accordance with the time, price and other terms and conditions of the Contract Documents.

The undersigned acknowledges they are familiar with all laws and regulations that may affect cost, progress, and performance of the work, including BABAA requirements.

The undersigned agrees that the submission of this Bid is an incontrovertible representation that the Bidder has complied with every requirement of this Article and these Contract Documents; that no additional examinations, investigations, explorations, studies, or tests are needed; that the Contract Documents are sufficient in scope and detail to indicate and convey understanding of all terms and conditions for performance of the Work; and that the Bidder provided written notice of any conflict, error, ambiguity, and/or discrepancy in the Contract Documents and that Owner's written resolution by formal written Addenda is acceptable to the Bidder.



The undersigned acknowledges that they have submitted the following with this Bid and with their Bid Forms of this Section and further that it is their sole responsibility to confirm that they have submitted all required forms and/or information with their Bid whether or not it is listed herein (failure to submit all required information may result in rejection of a Bid):

1. Bid Form 1: Bidder’s Blank as the cover/first page.
2. Bid Form 2: Certification of Bidder as the second page.
3. Bid Form 3: Certificate Regarding Public Records as the third page.
4. Bid Form 4: Affidavit of City Vendor as the fourth and fifth page.
5. Bid Form 5: Bidder Certification, Performance of the Work as the sixth page.
6. Forms from the Minority and Women Business Enterprise Program.
7. Completed Bid Forms from this Section with Bid prices for each item stated in words and figures; acknowledgement of receipt of all Addenda; signed and executed City of Providence, Rhode Island Board of Contract and Supply signature page; and with included evidence of Bidder’s authority to do business in the State of Rhode Island and Bidder’s Rhode Island contractor license number(s).
8. Bid Security in a separate envelope from the Bid and then attached to the envelope containing the Bid.
9. Completed forms from Section 00 43 36 – Proposed Subcontractors & Suppliers, with supporting documentation as required.
10. Completed forms from Section 00 45 13 – Bidder’s Qualifications, with supporting documentation as required.

Bids will remain subject to acceptance for 90 days after the Bid opening, or for such longer time period that Bidder may agree to in writing upon request of the Owner.

The names and residences of all persons and parties interested in the foregoing Bid as principals are as follows:

(Give first and last names in full. See Bid Form Article in the Instructions to Bidders.)

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The undersigned hereby certifies that they are able to furnish labor that can work in harmony with all other elements of labor employed or to be employed on the Work.

The undersigned hereby certifies under the penalties of perjury that this Bid is in all respects bona fide, fair and made without collusion or fraud with any other person. As used in this section, the word "person" shall mean any natural person, joint venture, partnership, corporation, or other business or legal entity.



**BOARD OF CONTRACT AND SUPPLY**  
CITY OF PROVIDENCE, RHODE ISLAND

**BID FROM:**

Company Name: \_\_\_\_\_

(SEAL)

If incorporated, State of Incorporation: \_\_\_\_\_

Date of Incorporation: \_\_\_\_\_

Type of Business (from incorporation papers): \_\_\_\_\_

By: \_\_\_\_\_

(Signature - attach evidence of authority to sign if not an individual submitting Bid)

Name (typed or printed): \_\_\_\_\_

Title: \_\_\_\_\_

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

Business Address: \_\_\_\_\_

\_\_\_\_\_

Phone No. \_\_\_\_\_ Fax No. \_\_\_\_\_

Bidder State of Rhode Island License Information:

License No.

Type of License/Trade Licensed

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

# ATTACHMENT 3

SECTION 01025  
MEASUREMENT AND PAYMENT

PART 1 GENERAL

1.01 SCOPE

- A. This Section includes specifications for the measurement and payment of the various elements of the Work, with provisions applicable to lump sum prices, unit prices, and allowances, if applicable.
- B. In the case of conflict between this Section and the measurement methods specified in the individual technical Sections, the measurement methods in the technical specifications shall govern.
- C. The Contractor shall receive no payment for any portion of the work until it is installed and accepted by the Engineer. The only exception to this is payment for stored materials on-site if the Contract provides for the payment of stored materials. A partial payment may be requested for items partially installed.

1.02 RELATED WORK

- A. Bid Form is included in Section 00 41 00.
- B. General Conditions are included in Section 00 72 00.
- C. Applications for Payment are included in Section 01026.
- D. Schedule of Values is included in Section 01370.

1.03 LUMP SUM ITEMS

- A. Lump Sum measurement will be for the entire item, unit of work, structure, or combination thereof, as specified and as indicated in the Bid Form. Measurement and payment for all bid items indicated as Lump Sums shall include the cost of all labor, materials, and equipment necessary to furnish, install, clean, test, and place each bid item into operation, including general conditions, overhead and profit.
- B. Progress payments will be based on the Schedule of Values prepared by the Contractor and approved by the Engineer and Owner before acceptance of the first Application for Payment.
- C. In order for the Contractor to request progress payments against Lump Sum items, Contractor shall provide a disaggregation or breakdown in sufficient measurable detail that is acceptable to the Engineer.
- D. Measurement
  - 1. Measurement shall be based on the estimated percent complete of each item of the Schedule of Values, as determined by the Engineer.
- E. Payment

1. Payment will be made at the lump sum price proportional to the completion percentages approved by the Engineer.
2. Contactor must track and maintain copies of all necessary permits submitted. Retainage as specified in Section 00 73 00 will be held until all permits are approved, paid for and received by Engineer and Owner.

#### 1.04 UNIT PRICE ITEMS

- A. Quantity and measurement estimates stated in the Bid Form are estimates for bidding purposes only. Actual payments shall be based on actual quantities installed, in-place, as measured and/or verified by the Engineer.
- B. Unless otherwise provided in the General Conditions, the bid unit prices shall be in effect throughout the contract duration, regardless of variances between the estimated quantities and the actual quantities.
- C. The Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of profit, damages, or any extra payment due to any difference between the amounts of work completed, or materials or equipment furnished, and the estimated quantities.
- D. Assist Engineer by providing necessary equipment, workers, and survey personnel as required to measure quantities.
- E. Measurement
  1. Measurement for progress payment shall be made by, or approved by, the Engineer based on the estimated effective quantity installed. The effective quantity installed represents the actual units or quantities installed, adjusted for incomplete elements or components.
  2. Unless otherwise provided for in the Bid Form, unit price items are all-inclusive of all related work, direct and indirect, to provide a complete and functional item.
  3. The final measurement shall be based on actual quantities, jointly measured by Contractor and Engineer, complete, fully, tested and placed into service.
- F. Payment
  1. Progress payments shall be in accordance with the contract documents based on estimated effective quantities installed, paid at the bid unit price.
  2. The final payment shall be based on actual quantities, fully installed, tested, and placed into service, paid at the bid unit price.

#### 1.05 ALLOWANCES

- A. Allowances, if any, specified in the Contract Documents and indicated in the Bid Form are considered provisional amounts to be used only as needed.



- B. Allowances are exclusive of work indicated in the Contract Documents for which payment is included under other items in the Bid Form. No work may be performed under an allowance without the prior written approval of the Owner.
- C. Any unused balance of the allowances shall revert to the Owner upon completion of the project. Prior to final payment, the original amount provided for allowances shall be adjusted to actual costs by deductive Change Order, adjusting the contract price, accordingly.
- D. The Contractor shall make no claim, nor receive any compensation, for anticipated profits, loss of profit, damages, or any extra payment due to any unexpended portion of the allowances.
- E. Include time for allowance work in the construction schedule. No adjustment of Contract Time will be allowed for any work performed under allowance items.
- F. Allowance items shall be included in the Schedule of Values.
- G. Unless otherwise indicated in the specific measurement and payment provisions under allowance items, the measurable and allowable costs for work performed under an Allowance item shall be limited to the actual, demonstrable, and direct costs associated with that Allowance item. Shipping and sales taxes (if applicable) are allowable costs.
  - 1. No markup for overhead or profit (including cost for bonds) shall be included for payment under an Allowance item. Overhead and profit (including cost for bonds) shall be included in the contract base bid or allocated across other bid items.
  - 2. Work authorized by the Owner under an allowance may be performed as a lump sum (negotiated before the fact), unit prices (when applicable), or time and material. For work performed under time and material, submit detailed verification (break-down) of all costs, subject to the approval of the Engineer or Owner. Time and material records shall be submitted to the Engineer on a daily basis and in no case later than 48 hours after the work is performed.

#### 1.06 DEFECT ASSESSMENT

- A. Replace defective Work, or portions of defective Work, not conforming to specified requirements.
- B. If in the opinion of the Engineer, it is not practical to remove and replace the Work, the Engineer will direct a remedy in accordance with the requirements of the General Conditions.

#### 1.07 NON-PAYMENT FOR REJECTED PRODUCTS

- A. Payment will not be made for any of the following:
  - 1. Products wasted or disposed of in a manner that is not acceptable.
  - 2. Products determined as unacceptable before or after placement.
  - 3. Products not completely unloaded from the transporting vehicle.
  - 4. Products placed beyond the lines and levels of the required Work.

5. Products remaining on hand after completion of the Work.
6. Loading, hauling, and disposing of rejected products.

## PART 2 PRODUCTS – NOT USED

## PART 3 EXECUTION

### 3.01 PUBLIC SIDE BID ITEMS (ITEMS 1A.1-1I)

#### A. General

##### 1. Replacement Items

- a. References to Item 1A throughout these specifications refers to both Bid Item 1A.1 and Bid Item 1A.2 unless otherwise stated.
- b. Trenchless or other approved means of lead water service line replacement which may include replacement of the public side only service line (Item 1A.1), replacement of the public side of a partial replacement (Item 1A.2), replacement of the public side portion of a full replacement (Item 1B), and replacement of all necessary appurtenances. All replacements on the public side shall include mobilization, (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, bonds, permit acquisition, permit fees, labor, project coordination, control of work, project signs, coordination with homeowner and inspectors, scheduling, notifications, printing, all data and record document management, and preparation of contract required submittals); removal and disposal of excess soil, spoil, rubble, lead pipes and construction debris, vegetation and similar items; stockpiling, sampling and testing, all labor, materials, new corporation stop, temporary roadway, temporary and permanent sidewalk and/or yard restoration, equipment required for erosion and sediment control, and protection of existing trees as approved by the Engineer; all work required for or incidental to the satisfactory completion of the Work.
- c. Each property listed by the Owner in Appendix A, or the updated list in the database management system at the time of construction, is the target list for construction. Each property with a signed ROE agreement must have a replacement completed or, if no lead is found on either side, a test pit. Public side only replacements (Item 1A.1) do not require a signed ROE, however, private side material must be confirmed prior to scheduling the public side only replacement in the event the record on the private side is incorrect and is actually lead. If the Property Owner rejects participation in the program or does not provide entry after the outreach described in Section 01170, Paragraph 1.18 is performed, Contractor shall perform a test pit to confirm both the public and private side materials.
- d. Public side of a partial replacement (Item 1A.2) is only to be performed once all outreach attempts in accordance with Section 01170, Paragraph 1.18 have been completed. Owner reserves the right to perform additional outreach to the Property Owner up to 3 months prior to the Contract Completion Date, or prior to final paving restoration occurring on that street, whichever is first, before a partial replacement is

approved. All partial replacements shall be approved by the Owner in writing prior to the Contractor scheduling the work.

2. Test Pit at Curb Stop (Item 1C)
  - a. A test pit is defined as a planned service line replacement that is found not to be lead on either side or a property where the Owner or Engineer specifically directs the Contractor to perform a test pit.
  - b. If there is more than one service in the same excavation as a planned replacement, Contractor must notify the Owner of observed materials at all properties. Contractor must make every effort to inspect and photograph all properties within the excavation. Only test pits at locations in Appendix A (or added to the data management system) with a signed ROE, or as directed by the Owner or Engineer, will be paid for under Item 1C.
3. New Curb Box (Item 1D.1)
  - a. For when a new curb box is needed when replacing the private-side only service line (Items 2A and 3A) at a location where a public side replacement does not occur or at a test pit (Item 1C) location at the direction of the Engineer.
4. New Curb Stop Valve (Item 1D.2)
  - a. For when a new curb stop valve is needed when replacing the private-side only service line (Items 2A and 3A) at a location where a public side replacement does not occur or at a test pit (Item 1C) location at the direction of the Engineer.
5. Long-Side Replacement (Item 1E)
  - a. A long-side replacement is when the resident with the service line being replaced is on the opposite side of the street from the water main. The distance from the water main to the curb must be greater than half the roadway width for a replacement to be considered a long side replacement. Water mains with a centerline within 1-foot of the center of the road do not have long-side replacements on either side.
6. Lead Service Line Excavation Greater Than 5 Feet (Item 1F)
  - a. Lead water service trenching to a depth of greater than 5-feet and non-hazardous waste disposal; shoring; dewatering; installation, backfill; compaction; including all labor, materials, and equipment necessary. All excavation to a depth of 5-feet is included in the replacement bid items.
7. Final Trench Pavement Restoration (Infra-red) (Item 1G); Final Trench Pavement Restoration (Milling and Paving) (Item 1H); Final Pavement (Curb-to-curb) (Item 1I)
  - a. In general, final pavement restoration will be undertaken only on streets shown with an outer yellow circle on Appendix C where any construction work is performed within the roadways as a result of service line replacement or otherwise deemed necessary in the field. Final pavement on streets shown in red will be required to be restored by either mill and pave (patch paving at trench locations), infra-red, or curb

to curb (full width paving) methods, based on the paving requirements of the Department of Public Works or RIDOT permit issued. Streets shown in Appendix C without the outer yellow circle do not require roadway restoration due to being private-side only replacement. Pavement replacement necessary resulting from the activities of the Contractor outside of the limits defined in the Details in Appendix B shall be paid for by Contractor. Payment of restoration does not relieve the contractor of responding to complaints by Customers and returning, for the period of the 5-year warranty, to make necessary repairs.

- b. Owner will make every effort to ensure the proposed quantities for pavement restoration will be provided to the Contractor. However, if the final restoration area is less than the bid quantity, Contractor shall have no claim to modify the price of the unit price item.
- c. Final Pavement (Curb-to-curb, full width paving of a block or street) will be used at the direction of the Engineer when initial paving areas encompass a majority of the pavement surface and as required by the Owner or Department of Public Works and as defined by the Rhode Island Department of Transportation Minimum Standards for State and Municipal Road Repair for Utility Work.
- d. Only one of the paving items (Items 1G-1I) will be applied per public side lead service line address.

## B. Measurement

1. **(Item 1A.1) Lead Service Line Replacement – Public Side Only** - Measurement will be based on the number of installations completed from the water main to the curb stop within the Work Area and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including all permits, for each property. When only a public side only replacement (i.e., from water main to curb stop) is completed at a property, the Contractor shall be paid under Item 1A.1. Replacement includes all road opening and street closure permit acquisition and fees, piping, curb stop valve and box, new corporation stop, appurtenances to make all connections, procurement and placement of warning tape, flushing at the meter, leak testing, equipment required for erosion and sediment control, protection of existing trees, and temporary paving, temporary and permanent sidewalk and/or yard restoration. Full Replacements will not be paid for under this item.
2. **(Item 1A.2) Lead Service Line Replacement – Public Side Partial (Water Main to Curb Stop)** – Measurement will be based on the number of installations completed from the water main to the curb stop within the Work area and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including all permits, for each property. When a public side partial replacement [i.e., from water main to curb stop; private side (curb stop to meter) remains lead] is completed at a property, the Contractor shall be paid under Item 1A.2. Replacement includes all Property Owner outreach and tracking attempts, road opening and street closure permit acquisition and fees, piping, curb stop valve and box, new corporation stop, appurtenances to make all connections, dielectric couplings, procurement and placement of warning tape, flushing inside the house, leak testing, equipment required for erosion and sediment control, protection of existing trees, and temporary paving, temporary and permanent sidewalk and/or yard restoration.

3. **(Item 1B) Lead Service Line Replacement – Public Side Portion of a Full Replacement** - Measurement will be based on the number of installations completed from the water main to the curb stop within the Work Area, only where the private side of the service line is also being replaced (full replacement) and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including all permits, for each property. Of the total replacements noted in Section 00 11 16, a total of 15 replacements of Item 1B, 10 replacements of Item 2A, and 15 replacements of Item 2B (for a potential maximum of 25 separate locations) will be locations directed by the Owner to be completed within 48 hours regardless of weekends and holidays. These are considered "emergency replacements" and will be within the Providence Water Distribution System. These locations may or may not be listed in Appendix A of the Contract Documents. Replacement includes all road opening and street closure permit acquisition and fees, piping, curb stop valve and box, procurement and placement of warning tape, flushing at the hose bib, leak testing, equipment required for erosion and sediment control, protection of existing trees, temporary paving, temporary and permanent sidewalk and/or yard restoration, and appurtenances to make all connections. Full Replacements performed under this contract within the Work Area will be paid for as the sum of Item 1B and Item 2B.
4. **(Item 1C) Test Pit at Curb Stop** - Measurement will be based on the number of locations in Appendix A (or most updated list as provided during construction in the database management system), and those properties that the Owner or Contractor has acquired a Right-of-Entry and Release Form for, where pipe material in the test pit was found not to be lead on both the private side and the public side or where directed by the Owner or Engineer and all material information is documented by Contractor. Submit comparable pre-construction and post-construction photographs of each test pit, and Owner and Engineer shall accept the surface restoration of the test pit prior to payment. Temporary and permanent sidewalk and/or yard restoration shall be included in this item.
5. **(Item 1D.1) New Curb Box – Private Side Only** - Measurement will be based on the number of curb boxes replaced for private-side only replacements (Items 2A and 3A) at locations where a public side replacement does not occur and curb boxes replaced during a test pit at a location at the direction of the Engineer (Item 1C). Curb box replacements are already included in Items 1A.1, 1A.2, and 1B for public side replacements.
6. **(Item 1D.2) New Curb Stop Valve– Private Side Only** – Measurement will be based on the number of curb stop valves replaced for private-side only replacements (Items 2A and 3A) at locations where a public side replacement does not occur and curb stop valves replaced during a test pit at a location at the direction of the Engineer (Item 1C). Curb stop valve replacements are already included in Items 1A.1, 1A.2, and 1B for public side replacements.
7. **(Item 1E) Long-Side Replacement** - Measurement will be based on the number of long-side replacements. This Item will be paid in addition to either Bid Item 1A.1, Bid Item 1A.2, or Bid Item 1B to cover the cost of the additional time and material for the additional length of service line required to be replaced.
8. **(Item 1F) Lead Service Line Excavation Greater Than 5 Feet** - Measurement will be based on the actual depth of excavation beyond a 5-foot depth, as approved by the

Engineer, for a maximum trench width as shown in Details, if and when directed. If the trench bottom is more than twelve inches below pipe invert through an error by the Contractor or if improper drainage softens the subgrade and additional excavation in the trench or access pit is required before laying the pipe or installing the water service line, such removal and replacement of material will not be paid for by Owner. Measurement by truck count will not be permitted.

6. **(Item 1G) Final Trench Pavement Restoration (Infra-Red)** - Measurement will be based on the square yard(s) installed on streets, as directed by the Engineer, and as measured by the Engineer, within the specified widths and completed between 45 and 90 days of placing the temporary paving. This item shall include milling and paving of the trench and infra-red sealing of the seams.
7. **(Item 1H) Final Trench Pavement Restoration (Milling and Paving)** - Final Pavement Restoration (Milling and Paving) - Measurement will be based on the square yard(s) of patch paving installed at each trench as measured by the Engineer, within the specified widths and completed between 45 and 90 days of placing the temporary paving.
8. **(Item 1I) Final Pavement (Curb-to-curb)** - Measurement will be based on square yard(s) of full width, curb-to-curb, entire block, or street paving installed as measured by the Engineer, if and when directed or required by the Road Opening Permit.

#### C. Payment

1. Full payment for **Item 1A.1 Lead Service Line Replacement – Public Side Only, Item 1A.2 Lead Service Line Replacement – Public Side Partial, and Item 1B Lead Service Line Replacement – Public Side Portion of a Full Replacement** shall be provided once the following components are completed:
  - a. **Administration:** Price and payment shall include, but not be limited to Property Owner outreach attempts to sign the ROE and tracking of attempts, customer coordination, printing and distributing door hangers for notifications of appointments and disturbances, procurement and posting of no parking signs, local agency coordination for permits, permit fees, inspections and scheduling, pipe material validation through interior inspection, underground utility mark outs and coordination, pre-construction photographs, and all other preliminary documentation as required by the Contract.
  - b. **Site Preparation:** Price and payment shall include, but not be limited to temporary traffic control including traffic signage; erosion and sediment control; mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, bonds, permit preparation and fees, state roadway inspector when working on state roadways, project coordination, control of work, project signs, scheduling, and preparation and submittal of contract required work plans); test pits that result in a replacement or test pits for the contractors' convenience; cutting existing pavement and concrete; temporarily support and protection of all existing utilities and structures; all excavation up to depth of 5 feet (including hand, vacuum, rock and boulders and concrete road base excavation) including excavation for both trenchless installation and open-cut installation; excavation support and protection (as required); dewatering and drainage.

- c. **Service Replacement:** Price and payment shall include, but not be limited to: temporary water for customer (as required); furnishing and installation of water service line (up to and including 2-inches in size) to limits defined in individual bid items by trenchless methods or by open-cut methods when approved by the Engineer, including pipe, new corporation stop, curb stop valve and box, all the necessary adapters, couplings, reducers, fittings and appurtenances of the necessary size required to connect to existing piping; flushing as specified, testing of the new service line, placing the service line into service; existing lead water service line and appurtenances removal, disposal, demolition or abandonment; placement of warning tape; backfill materials shown in Appendix B; compaction and compaction testing; stockpiling, sampling and laboratory testing of excess excavated material including, but not limited to, spoil, rubble, concrete, asphalt, vegetation, etc. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
  - d. **Restoration on Public Side:** Price and payment shall include, but not be limited to, temporary traffic control; GPS coordinates of the corporation stop, curb stop, and where the service line enters the house (for full service), service application records, closeout documentation including photographs; restoring exterior physical features; printing and distribution of post-replacement door hangers regarding flushing; temporary paving restoration; temporary and permanent sidewalk and/or yard restoration; restoring the trench surface to grade or the limits of roadway base course; forming and pouring concrete curbs to match sidewalk elevation, concrete testing and all other testing required to complete the project as specified herein; transportation and disposal of excess excavated material, spoil, rubble, concrete, asphalt, vegetation, lead pipes and construction debris, etc. in accordance with all Federal, State and local regulations; including all labor, materials and necessary equipment; removal of erosion and sediment control devices; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
  - e. All items, including restoration, must be fully completed prior to requesting payment in full for Bid Items 1A.1, 1A.2, and 1B. A payment of 50% can be requested if a service line is installed but the restoration is not yet complete.
  - f. When a private side only replacement (i.e., from curb stop to meter) is completed at a property, the Contractor shall be paid under Bid Items 2A or 3A.
2. Payment for **Item 1C - Test Pit at Curb Stop**, shall be made as follows: Payment for this Item shall be provided for the Contractor completing 3.01-C.1a Administration, 3.01-C.1b Site Preparation, performing the test pit, and 3.01-C.1d. Test pit shall assume excavation is in concrete and temporary and permanent sidewalk restoration is included in this bid item. Payment for Item 1C will only be made if the entire water service line (corporation stop to meter) is found not to be lead. No payment will be made under this Item if any pipe replacement is performed. If the curb box is replaced without a portion of the service line being replaced, payment will be made under Item 1C plus Item 1D.1 for the curb box. Contractor will not receive payment for Item 1D.1 if the curb box is damaged during excavation.

3. Payment for **Item 1D.1 New Curb Box** shall be made in full for all private side only replacements (Items 2A and 3A) when a public side replacement does not occur at the same location and the curb box is replaced. Payment shall also be made in full if a curb box is replaced during a test pit when the curb box is considered in need of replacement by the Engineer.
4. Payment for **Item 1D.2 New Curb Stop Valve** shall be made in full for all private side only replacements (Items 2A and 3A) when a public side replacement does not occur at the same location and the curb stop valve is replaced. Payment shall also be made in full if a curb stop valve is replaced during a test pit when the curb stop valve is considered in need of replacement by the Engineer.
5. Payment for **Item 1E - Long Side Replacement** shall be made as follows: When the Contractor performs a long-side replacement (i.e., when the resident with the service line being replaced is on the opposite side of the street from the water main it will be supplied from), Contractor will be paid for the service line replacement under the replacement bid items (1A.1, 1A.2, or 1B as applicable), however, an additional payment under this bid item will be made to cover the additional work associated with performing trenchless or open-cut installation across utilities in the roadway. This item shall include the additional excavation, backfill, temporary restoration, pipe and all other items associated with a long-side replacement that are not included in a short-side replacement. All items associated with administration, site preparation, service replacements and restoration shall be included in Item 1A.1, 1A.2, or 1B, as applicable with this item being an additional payment for long-side replacements.
6. Payment for **Item 1F - Lead Service Line Excavation Greater Than 5-Feet** shall be as follows: All work associated with excavation beyond 5-feet in depth shall be included under this bid item unless otherwise stated. Price and payment shall be full compensation for, but not limited to, protection of all existing utilities and structures; excavation (including hand excavation); loading; hauling; excavation support and protection; dewatering and drainage; temporarily support of utilities; backfilling with native soil; compaction, testing by technician from the Soils Testing Laboratory; removal of debris, spoils, pipe, tubing, rubble, vegetation, and similar items removed and legally disposed, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form. Payment for excavation 5-feet or shallower is included in Items 1A.1, 1A.2, 1B, 2A, 2B, or 3A as applicable.
7. Payment for **Item 1G - Final Trench Pavement Restoration (Infra-Red)** shall be as follows: All work associated with final infra-red pavement, shall be included under this bid item unless otherwise stated. Price and payment shall be full compensation for, but not limited to: sweeping, cleaning and preparing the base course surface; traffic control, traffic signage; cutting back existing pavement, furnishing, hauling, heating, raking mixing and placing the final pavement, compacting, testing, pavement marking restoration, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
8. Payment for **Item 1H - Final Trench Pavement Restoration (Milling and Paving)** shall be as follows: All work associated with final milling and paving, shall be included under



this bid item unless otherwise stated. Price and payment shall be full compensation for, but not limited to: sweeping, cleaning and preparing the base course surface; traffic control, traffic signage; cutting back existing pavement, milling and disposal, installation of tack coat, furnishing, hauling, and placing the final pavement, compacting, testing, pavement marking restoration, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

9. Payment for **Item 11 - Final Pavement (Curb to Curb)** shall be as follows - All work associated with final pavement restoration shall be included under this bid item unless otherwise stated. Price and payment shall be full compensation for, but not limited to: sweeping, cleaning and preparing the base course surface, traffic control, traffic signage;; milling and removing initial or existing pavement surface, installation of tack coat, furnishing, hauling and placing the final pavement, compacting, pavement marking restoration, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

### 3.02 UNIFORMED POLICE TRAFFIC CONTROL ALLOWANCE (ITEM 1J)

#### A. General

1. The Uniformed Police Traffic Control Allowance will apply only to the labor for traffic control Police officers provided by the City for the direction of traffic for this Contract per Manual on Uniform Traffic Control Devices.

#### B. Measurement

1. The Contractor will be reimbursed for costs for uniformed police traffic control officers for the project as invoiced by the City.

#### C. Payment

1. Payment for Uniformed Police Traffic Control officers provided by the City to direct traffic will be made based on the actual time on site and applicable City Ordinances. No markup will be allowed by the Contractor. The allowance price established in the Bid Form is for bidding purposes only, and the amount paid for Traffic Control may differ from this amount.
  - a. All other costs associated with uniformed police traffic control for this Contract, including traffic control devices, barriers, signage, flaggers, vehicles, equipment, personnel, and administrative costs, shall be paid under the respective replacement bid items and not under any allowance item.
  - b. Additionally, any fees associated with permits required for road opening and street closure by the Rhode Island Department of Transportation and Municipalities shall be paid under the respective replacement bid item and not under any allowance item.

### 3.03 FLAGGER TRAFFIC CONTROL ALLOWANCE (ITEM 1K)

#### A. General

1. The Flagger Traffic Control Allowance will apply only to the labor for traffic control flaggers for the direction of traffic for this Contract per Manual on Uniform Traffic Control Devices. Flaggers can only be used when permitted by the agency with jurisdiction of the roadway or when uniformed police are not available, when provided with the required advanced notification.

B. Measurement

1. The Contractor will be reimbursed for costs for traffic control flaggers for the project as invoiced.

C. Payment

1. Payment for Traffic Control Flaggers to direct traffic will be made based on the actual time on site and applicable City Ordinances. No markup will be allowed by the Contractor. The allowance price established in the Bid Form is for bidding purposes only, and the amount paid for Flagger Traffic Control may differ from this amount.
  - a. All other costs associated with traffic control for this Contract, including traffic control devices, barriers, signage, flaggers, vehicles, equipment, personnel, and administrative costs, shall be paid separately, under the respective replacement bid items and not under any allowance item.
  - b. Additionally, any fees associated with permits required for road opening or street closures by the Rhode Island Department of Transportation and Municipalities shall be paid under the respective replacement bid item and not under any allowance item.

3.04 UTILITY PROVISION ALLOWANCE (ITEM 1L)

A. General

1. The Utility Provision Allowance will apply only to reimburse the Contractor for charges imposed by utilities to protect their existing infrastructure, such as utility poles and underground mains or ducts.

B. Measurement

1. The Contractor will be reimbursed for costs invoiced by the utility.

C. Payment

1. Payment for Utility Provisions required to protect existing infrastructure based on the actual time on site and requirements of the utilities. No markup will be allowed by the Contractor. The allowance price established in the Bid Form is for bidding purposes only, and the amount paid for Utility Provisions may differ from this amount.
  - a. All other costs associated with Utility Provisions for this Contract, including Contractor's vehicles, equipment, personnel, and administrative costs, shall be paid separately, under the respective replacement bid items and not under any allowance item.

### 3.05 PRIVATE SIDE BID ITEMS (ITEMS 2A-2E)

#### A. General

##### 1. Replacement Items

- a. Trenchless or other approved means of lead water service line replacement which may include, replacement of the private side only service line (Item 2A), replacement of the private side portion of a full replacement (Item 2B), replacement of the short segment private side only service line (Item 2E), and replacing, furnishing and installing all required ball valves, adapters, reducers, fittings, flare adapters (before and after water meter), pressure reducing valves, backflow devices, expansion tanks, reduced pressure zone (RPZ) backflow preventers (if required), and appurtenances of the necessary size as required by Rhode Island Plumbing Code. Work includes testing for current and if water line is used for grounding, bypass with a temporary bonding jumper. All replacements, full or private side only, shall include mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, drywall restoration, bonds, permit acquisition and fees, labor, project coordination, control of work, project signs, coordination with homeowner, property residents, tenants, and inspectors, scheduling, notifications, printing, all data and record document management, and preparation of contract required submittals); removal and disposal excess soil, spoil, rubble, lead pipes and construction debris, vegetation and similar items; stockpiling, sampling and testing; temporary and permanent sidewalk and/or yard restoration; pre and post construction photos, record documents all work required for or incidental to the satisfactory completion of the Work.
- b. Each property listed by the Owner in Appendix A, or the updated list in the database management system at the time of construction, is the target list for construction. Each property with a signed ROE agreement must have a replacement completed or, if no lead is found on either side, a test pit. If the Property Owner rejects participation in the program or does not provide entry after the outreach described in Section 01170, Paragraph 1.18 is performed, Contractor shall perform a test pit to confirm both the public and private side materials.

#### B. Measurement

1. **(Item 2A) Lead Service Line Replacement – Private Side Only** - Measurement will be based on the number of installations completed from the curb stop to water meter within the Work Area and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including any required permits, for each property. When a private side only replacement (i.e., from curb stop to water meter) is completed at a property, the Contractor shall be paid under Item 2A. Of the total replacements noted in Section 00 11 16, a total of 15 replacements of Item 1B, 10 replacements of Item 2A, and 15 replacements of Item 2B (for a potential maximum of 25 separate locations) will be locations directed by the Owner to be completed within 48 hours regardless of weekends and holidays. These are considered "emergency replacements" and will be within the Providence Water Distribution System. These locations may or may not be listed in Appendix A of the Contract Documents. Replacement includes scheduling all service line replacement appointments with

homeowner, residents, or tenants, plumbing permit acquisition and fees, piping, coring and patching through wall or floor, drywall restoration, ball valves, relocation of meter and all appurtenances as required by the Rhode Island Plumbing Code and to make all connections as listed in A above, installation of a temporary bonding jumper if water line is used for grounding, procurement and placement of warning tape, temporary and permanent sidewalk and/or yard restoration, flushing at the meter or hose bib, leak testing, equipment required for erosion and sediment control, and protection of existing trees. New curb boxes for private side only replacements will be paid under Item 1D.1 as directed by the Engineer. Full Replacements will not be paid for under this item.

2. **(Item 2B) Lead Service Line Replacement – Private Side Portion of a Full Replacement** – Measurement will be based on the number of installations completed from the curb stop to water meter within the Work Area only where the public side installation is also being replaced (full replacement) and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including any required permits, for each property. Of the total replacements noted in Section 00 11 16, a total of 15 replacements of Item 1B, 10 replacements of Item 2A, and 15 replacements of Item 2B (for a potential maximum of 25 separate locations) will be locations directed by the Owner to be completed within 48 hours regardless of weekends and holidays. These are considered "emergency replacements" and will be within the Providence Water Distribution System. These locations may or may not be listed in Appendix A of the Contract Documents. Replacement includes scheduling all service line replacement appointments with homeowner, plumbing permit acquisition and fees, piping, coring and patching through wall or floor, drywall restoration, ball valves, relocation of meter and all appurtenances as required by the Rhode Island Plumbing Code and to make all connections as listed in A above, installation of a temporary bonding jumper if water line is used for grounding, procurement and placement of warning tape, temporary and permanent sidewalk and/or yard restoration, equipment required for erosion and sediment control and protection of existing trees, flushing at the meter or hose bib, and leak testing. Full Replacements performed under this contract within the Work Area will be paid for as the sum of Item 1B and Item 2B.
3. **(Item 2C) Access Not Provided** – Measurement will be based on the number of locations where one of the following occurs:
  - a. Customer misses a scheduled and documented appointment after the Contractor mobilized for the replacement and cannot reschedule for more than 72 hours.
  - b. Customer was home but provided no reasonable work area to access the service line or water meter on the interior of the house after the Contractor mobilized for the replacement.
  - c. Improper grounding or electrical work is identified by the Contractor after mobilizing for the replacement requiring the homeowner to hire an electrician to perform electrical work before the replacement can be completed by the Contractor.

All work claimed under this Item must be documented in writing by the Contractor.

4. **(Item 2D) Reduced Pressure Zone (RPZ) Backflow Preventer** – Measurement will be based on the number of locations where an RPZ backflow preventer is installed where required by Section 15410 Interior Service Piping and Appurtenances.

5. **(Item 2E) Lead Service Line Replacement – Short Segment Private Side Only -** Measurement will be based on the number of short lead segments replaced on the private side less than 30 inches in length between the curb stop and the foundation within the Work Area and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including any required permits, for each property. Replacement includes scheduling all service line replacement appointments with homeowner, residents, or tenants, plumbing permit acquisition and fees, piping, and to make all connections as listed in A above, installation of a temporary bonding jumper if water line is used for grounding, procurement and placement of warning tape, temporary and permanent sidewalk and/or yard restoration, flushing at the meter or hose bib, leak testing, equipment required for erosion and sediment control, and protection of existing trees. New curb boxes for private side only replacements will be paid under Item 1D.1 as directed by the Engineer. Full Replacements will not be paid for under this item.

C. Payment

1. Payment for **Item 2A Lead Service Line Replacement – Private Side Only** and **Item 2B Lead Service Line Replacement – Private Side Portion of a Full Replacement** shall be provided once the following components are completed:
  - a. **Administration:** Price and payment shall include, but not be limited to Property Owner outreach attempts to sign the ROE and tracking of attempts, customer coordination, printing and distributing door hangers for notifications of appointments and disturbances, local agency coordination for permits, permit fees, inspections and scheduling, pipe material validation through interior inspection, pre-construction photographs, and all other preliminary documentation as required by the Contract.
  - b. **Site Preparation:** Price and payment shall include, but not be limited to temporary traffic control including traffic signage; erosion and sediment control; mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, bonds, permit preparation and fees, state roadway inspector when working on state roadways, project coordination, control of work, project signs, scheduling, and preparation and submittal of contract required work plans); test pits that result in a replacement or test pits for the contractors' convenience; cutting existing asphalt and concrete; temporarily support and protection of all existing utilities and structures; all excavation up to depth of 5 feet (including hand, vacuum, rock and boulders and concrete road base excavation) including excavation for both trenchless installation and open-cut installation; excavation support and protection (as required); dewatering and drainage.
  - c. **Service Replacement:** Price and payment shall include, but not be limited to: temporary water for customer (as required); furnishing and installation of water service line (up to and including 2-inches in size) to limits defined in individual bid items by trenchless methods or by open-cut methods when approved by the Engineer, including pipe, all the necessary adapters, couplings, reducers, fittings and appurtenances of the necessary size required to connect to existing piping; coring through the existing foundation or wall regardless of thickness; relocation of the meter and installation of items required to meet the Rhode Island Plumbing Code and as shown in the details in Appendix B, filling the existing meter pit with concrete,

patching and waterproofing of the new and abandoned penetrations; flushing as specified, testing of the new service line, placing the service line into service; existing lead water service line and appurtenances removal, disposal, demolition or abandonment; placement of warning tape; backfill materials shown in Appendix B; compaction and compaction testing; stockpiling, sampling and laboratory testing of excess excavated material including, but not limited to, spoil, rubble, concrete, asphalt, vegetation, etc. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

- d. **Restoration on Private Side:** Price and payment shall include, but not be limited to GPS coordinates of the curb stop and where the service line enters the house, service application records, closeout documentation including photographs; repairs and cleaning of interior work spaces; drywall restoration; printing and distribution of post-replacement door hangers regarding flushing; loaming and seeding; temporary and permanent sidewalk, asphalt and/or yard restoration; concrete testing and all other testing required to complete the project as specified herein; transportation and disposal of excess excavated material, spoil, rubble, concrete, asphalt, vegetation, lead pipes and construction debris, etc. in accordance with all Federal, State and local regulations; including all labor, materials and necessary equipment; removal of erosion and sediment control devices; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
  - e. All items, including restoration, must be fully completed prior to requesting payment in full for Bid Items 2A and 2B. A payment of 50% can be requested if a service line is installed but the restoration is not yet complete.
  - f. When a public side only replacement (i.e. from main to curb stop where private side is not lead) or public side partial replacement (i.e., from main to curb stop where private side remains lead) is completed at a property, the Contractor shall be paid under Item 1A.1 or Item 1A.2, respectively.
2. Payment for **Item 2C Access Not Provided** shall be full compensation for partial work described in Bid Items 2A and 2B, paragraph 1a (administration) and 1b (site preparation). Access shall be determined prior to any test pits or other excavation being performed for private side replacements. If any excavation occurs prior to access being determined, no additional payment for backfilling and restoration will be provided.
  3. Payment for **Item 2D Reduced Pressure Zone (RPZ) Backflow Preventer** shall be full compensation for all residential private side replacements when a RPZ backflow preventer is required by Section 15410 Interior Service Piping and Appurtenances. Assume RPZs required are 1-inch in size. Contractor will be paid the difference in material costs for any required larger RPZs under Item S-4 Miscellaneous Work at the Direction of the Owner. Contractor shall provide the invoices to indicate the price difference. No overhead or profit will be paid on the difference in price.

4. Payment for **Item 2E Lead Service Line Replacement – Short Segment Private Side Only** shall be provided once the following components are completed:
- a. **Administration:** Price and payment shall include, but not be limited to Property Owner outreach attempts to sign the ROE and tracking of attempts, customer coordination, printing and distributing door hangers for notifications of appointments and disturbances, local agency coordination for permits, permit fees, inspections and scheduling, pipe material validation through interior inspection, pre-construction photographs, and all other preliminary documentation as required by the Contract.
  - b. **Site Preparation:** Price and payment shall include, but not be limited to temporary traffic control including traffic signage; erosion and sediment control; mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, bonds, permit preparation and fees, state roadway inspector when working on state roadways, project coordination, control of work, project signs, scheduling, and preparation and submittal of contract required work plans); test pits that result in a replacement or test pits for the contractors' convenience; cutting existing asphalt and concrete; temporarily support and protection of all existing utilities and structures; all excavation up to depth of 5 feet (including hand, vacuum, rock and boulders and concrete road base excavation) including excavation for both trenchless installation and open-cut installation; excavation support and protection (as required); dewatering and drainage.
  - c. **Service Replacement:** Price and payment shall include, but not be limited to: temporary water for customer (as required); furnishing and installation of water service line (up to and including 2-inches in size) to limits defined in individual bid items by trenchless methods or by open-cut methods when approved by the Engineer, including pipe, all the necessary adapters, couplings, reducers, fittings and appurtenances of the necessary size required to connect to existing piping; flushing as specified, testing of the new service line, placing the service line into service; existing lead water service line and appurtenances removal, disposal, demolition or abandonment; placement of warning tape; backfill materials shown in Appendix B; compaction and compaction testing; stockpiling, sampling and laboratory testing of excess excavated material including, but not limited to, spoil, rubble, concrete, asphalt, vegetation, etc. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
  - d. **Restoration on Private Side:** Price and payment shall include, but not be limited to GPS coordinates of the curb stop and where the service line enters the house, service application records, closeout documentation including photographs; printing and distribution of post-replacement door hangers regarding flushing; loaming and seeding; temporary and permanent sidewalk, asphalt and/or yard restoration; concrete testing and all other testing required to complete the project as specified herein; transportation and disposal of excess excavated material, spoil, rubble, concrete, asphalt, vegetation, lead pipes and construction debris, etc. in accordance with all Federal, State and local regulations; including all labor, materials and necessary equipment; removal of erosion and sediment control devices; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

### 3.06 PRIVATE SIDE ITEMS – COMMERCIAL (ITEMS 3A-3B)

#### A. General

##### 1. Replacement Items

- a. Commercial bid items are only for commercial-only properties. Mixed use properties with a residential component are paid for under the residential bid items. Trenchless or other approved means of lead water service line replacement which may include, replacement of the private side only service line at a commercial property (Item 3A), replacement of the private side portion of a full replacement at a commercial property (Item 3B), and replacing, furnishing and installing all required ball valves, adapters, reducers, fittings, flare adapters (before and after water meter), pressure reducing valves, backflow devices, expansion tanks, reduced pressure zone (RPZ) backflow preventers (if required), and appurtenances of the necessary size as required by Rhode Island Plumbing Code. Work includes testing for current and if water line is used for grounding, bypass with a temporary bonding jumper. All replacements, full or private side only, shall include mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, drywall restoration, bonds, permit acquisition and fees, labor, project coordination, control of work, project signs, coordination with homeowner, property resident, tenants, and inspectors, scheduling, notifications, printing, all data and record document management, and preparation of contract required submittals); removal and disposal excess soil, spoil, rubble, lead pipes and construction debris, vegetation and similar items; stockpiling, sampling and testing; temporary and permanent sidewalk and/or yard restoration; all work required for or incidental to the satisfactory completion of the Work.
- b. Each property listed by the Owner in Appendix A, or the updated list in the database management system during construction, is the target list for construction. Each property with a signed ROE agreement must have a replacement completed or, if no lead is found on either side, a test pit. If the Property Owner rejects participation in the program or does not provide entry after the outreach described in Section 01170, Paragraph 1.18 is performed, Contractor shall perform a test pit to confirm both the public and private side materials.

#### B. Measurement

1. Each property listed by the Owner in Appendix A, or the updated list the database management system at the time of construction, is the target list for construction. Each property with a signed ROE agreement must have a replacement completed or, if no lead is found on either side, a test pit. If the Property Owner rejects participation in the program or does not provide entry, no test pit shall be performed. Measurement
2. **(Item 3A) Lead Service Line Replacement – Commercial – Private Side Only -** Measurement will be based on the number of installations completed from the curb stop to water meter at a commercial property within the Work Area and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including any required permits, for each



property. When a private side only replacement (i.e., from curb stop to water meter) is completed at a commercial property, the Contractor shall be paid under Item 3A. Replacement includes scheduling all service line replacement appointments with homeowner, residents, property owners or tenants, plumbing permit acquisition and fees, piping, coring and patching through wall or floor, drywall restoration, ball valves, relocation of meter and all appurtenances as required by the Rhode Island Plumbing Code and to make all connections as listed in A above, installation of a temporary bonding jumper if water line is used for grounding, procurement and placement of warning tape, temporary and permanent sidewalk and/or yard restoration, flushing at the meter or hose bib, leak testing, equipment required for erosion and sediment control, and protection of existing trees. New curb boxes for commercial private side only replacements will be paid under Item 1D.1 as directed by the Engineer. No full replacements will be paid for under Item 3A. An RPZ is required at all commercial locations and shall be included in Bid Item 3A.

3. **(Item 3B) Lead Service Line Replacement – Commercial – Private Side Portion of a Full Replacement** - Measurement will be based on the number of installations completed from the curb stop to water meter at a commercial property within the Work Area only where the public side installation is also being replaced (full replacement) and shall be contingent on the submission of comparable pre-construction and post-construction photographs of each installation and complete record documents, including all required permits, for each property. Replacement includes scheduling all service line replacement appointments with property owners, plumbing permit acquisition and fees, piping, coring and patching through wall or floor, drywall restoration, ball valves, relocation of meter and all appurtenances as required by the Rhode Island Plumbing Code and to make all connections as listed in A above, installation of a temporary bonding jumper if water line is used for grounding, procurement and placement of warning tape, temporary and permanent sidewalk and/or yard restoration, equipment required for erosion and sediment control and protection of existing trees, flushing at the meter or hose bib, and leak testing. Full Replacements performed under this contract within the Work Area will be paid for as the sum of Item 1B and Item 3B. An RPZ is required at all commercial locations and shall be included in Bid Item 3A.

#### C. Payment

1. Payment for **Item 3A Lead Service Line Replacement – Commercial – Private Side Only** and **Item 3B Lead Service Line Replacement – Commercial -- Private Side Portion of a Full** shall be provided once the following components are completed:
  - a. **Administration:** Price and payment shall include, but not be limited to customer coordination, printing and distributing door hangers for notifications of service disturbance, local agency coordination, any preparation, submittal, and fees associated with permitting, inspections and scheduling; pipe material validation through interior inspection or test pit; pre-construction photographs; and all other preliminary documentation as required by the Contract.
  - b. **Site Preparation:** Price and payment shall include, but not be limited to temporary traffic control including traffic signage; erosion and sediment control; mobilization (sanitary facilities, insurance, temporary construction facilities, construction vehicle parking and storage, bonds, permit acquisition and fees, project coordination, control

of work, project signs, scheduling, and preparation and submittal of contract required work plans); temporarily support and protection of all existing utilities and structures; all trench excavation up to depth of 5 feet (including hand, vacuum, rock and boulders and concrete road base excavation); excavation support and protection (as required); dewatering and drainage.

- c. **Service Replacement:** Price and payment shall include, but not be limited to: temporary water for customer (as required); furnishing and installation of water service line (up to and including 2-inches in size) to limits defined in individual bid items by trenchless methods or by open-cut methods when approved by the Engineer, including pipe, all the necessary adapters, reducers, fittings and appurtenances of the necessary size required to connect to existing piping; coring through the existing foundation or wall, relocation of the meter and installation of items required to meet the Rhode Island Plumbing Code and as shown in the details in Appendix B, filling the existing meter pit with concrete, flushing at the meter or hose bib, drywall restoration, patching and waterproofing of new and abandoned penetrations; flushing, testing of the new service line, placing the service line into service; existing lead water service line and appurtenances demolition or abandonment; backfill materials as shown in Appendix B; compaction; restoring the trench surface to grade or the limits of roadway base course; stockpiling, sampling and laboratory testing of excess excavated material including, but not limited to, soil, spoil, rubble, concrete, asphalt, vegetation, etc. Payment for these items shall include all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
- d. **Restoration on Private Side:** Price and payment shall include, but not be limited to GPS coordinates of the curb stop, and where the service line enters the house, service application records, closeout documentation including photographs; repairs and cleaning of interior work spaces; drywall restoration, patching and waterproofing of new and abandoned penetrations; loaming and seeding; temporary and permanent restoration of sidewalk, and all other testing required to complete the project as specified herein; transportation and disposal of excess excavated material, spoil, rubble, concrete, asphalt, vegetation, lead pipes and construction debris, etc. in accordance with all Federal, State and local regulations; including all labor, materials and necessary equipment; removal of erosion and sediment control; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.
- e. All items, including restoration, must be fully completed prior to requesting payment in full for Bid Items 3A and 3B. A payment of 50% can be requested if a service line is installed but the restoration is not yet complete.
- f. When a public side only replacement (i.e. from main to curb stop) is completed at a commercial property, the Contractor shall be paid under Item 1A.1 or 1A.2.

### 3.07 PITCHER FILTERS AND REPLACEMENT CARTRIDGES (ITEM 4)

#### A. General

1. **Pitcher Filters and Replacement Cartridges** in accordance with Specification 02663 Paragraph 2.10 shall be provided to all locations with a lead service line replacement in accordance with the following:

Single-family home = 1 pitcher filter and filter cartridges(s).

Multi-family home = 1 pitcher filter and filter cartridge(s) per unit.

Commercial = 1 pitcher filter and filter cartridge(s).

If filter cartridge lifespan is less than a 6 month supply, provide additional filter cartridges for a minimum total 6 months of filter supply.

B. Measurement

1. **Pitcher Filters and Replacement Cartridges** – Measurement will be based on the number of pitcher filters (including 6 month supply of filter cartridges, installation instructions, filter use and flushing instructions, health effects flyer, and sample offer flyer) delivered to each unit per the schedule in Paragraph 3.07.A.1 at the time of replacement, including tracking delivery in leadCAST with photographic documentation.

C. Payment

1. Payment for **Pitcher Filters and Replacement Cartridges** shall be made in full for pitcher filters with 6 months of filter cartridge capacity, installation instructions, filter use and flushing instructions, health effects flyer, and sample offer flyer distributed. All work associated with ordering, storing, distributing, and tracking confirmation of distribution shall be included under this bid item.

3.08 FILL MATERIALS (ITEMS S-1A - S-1C)

A. General

1. **Imported Common Fill (Item S-1A)** - will be utilized for backfill of miscellaneous work at the direction of the Owner or Engineer. This item shall include handling, transportation placing of common fill where the native hazardous material or unsuitable material is being replaced by common fill.
2. **Crushed Stone (Item S-1B) and Flowable Fill (Item S-1C)** - will be installed on an as-needed basis for miscellaneous work at the direction of the Owner or Engineer throughout the course of the project.

B. Measurement

1. **(Item S-1A) Common Fill and (Item S-1B) Crushed Stone** - Measurement will be based on cubic yards installed as measured in place by the Engineer and as allowable per the maximum trench payment width for trenches as indicated in the Contract Documents or the actual amount placed, whichever is less, if and when directed. Under no circumstances will measurement for payment under this item be made unless specifically approved by the Engineer to replace unsuitable soil.

2. **(Item S-1C) Flowable Fill** - Measurement will be based on cubic yards installed in place as measured by the Engineer, if and when directed. Under no circumstances will measurement for payment under this item be made unless specifically approved by the Engineer. If used in trenches, the payment limits shall not exceed the trench widths as indicated in the Contract Documents or the actual amount placed, whichever is less.

C. Payment

1. Payment for **Items (Item S-1A) Imported Common Fill and (Item S-1B) Crushed Stone** shall be as follows - Price and payment shall be full compensation for, but not limited to: purchasing, transporting, testing, washing, placement, compaction, loading, unloading, reloading; including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form. Backfill materials related to service line replacements shall be paid for under the respective replacement items.
2. Payment of **Item S-1C Flowable Fill** shall be as follows- Price and payment shall be full compensation for, but not limited to: purchasing, transporting, testing, pumping, placement, finishing, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the Items for which payment is not provided under other items in the Bid Form.

3.09 CONCRETE SUBBASE PAVEMENT RESTORATION (ITEM S-2)

A. General

1. Any roads with concrete subbases disturbed during the performance of the work shall be replaced with new concrete subbase to the depth matching the existing concrete subbase.

B. Measurement

1. **(Item S-2) Concrete Subbase Pavement Restoration** – Measurement will be based on cubic yard(s) installed as measured by the Engineer, within the specified widths on the Details in Appendix B, if and when directed.

C. Payment

1. Payment for **Item S-2 Concrete Subbase Pavement Restoration** shall be as follows – All work associated with roadway concrete subbase shall be included under this bid item unless otherwise stated. Price and payment shall be full compensation for, but not limited to: compaction, installation of concrete subbase and reinforcing (matching existing concrete), formwork, curing, testing, protection, sweeping, cleaning and preparing the base course surface, compaction; cutting back existing pavement, installation of tack coat, furnishing, hauling and placing the concrete subbase, compacting, including all labor, materials and necessary equipment; all work required for or incidental to the satisfactory completion of the items for which payment is not provided under the other items in the Bid Form. This item is for replacement only. Cutting into and removing an existing concrete subbase will be paid for this item.
2. This item will be paid in addition to the utility-side replacement items.

3. Final mill and paving will be paid under Items 1G, 1H, or 1I.

### 3.10 MISCELLANEOUS CONCRETE (ITEM S-3)

#### A. General

1. **Miscellaneous Concrete** - The installation of miscellaneous concrete will be performed on an as-needed basis as directed by the Engineer throughout the course of the project. Miscellaneous concrete shall contain no wire or steel reinforcement. In general, the installation of miscellaneous concrete will be undertaken whenever any construction work is required as a result of service line replacement, curb stop installation, or otherwise deemed necessary in the field.

#### B. Measurement

1. **(Item S-3) Miscellaneous Concrete** - Measurement will be based on cubic yards installed as measured by the Engineer, if and when directed and as not included already in another bid item.

#### C. Payment

1. Payment for **Item S-3 Miscellaneous Concrete** shall be as follows - Price and payment shall be full compensation for, but not limited to: formwork, purchasing and transporting all concrete used for the Work; all labor, material (including expansion joints) and equipment required to properly place, prepare, finish and protect the concrete, concrete testing; and all other incidentals to the Work for which separate payment is not provided under other items in the Bid Form. Concrete shown on the Details in Appendix B or as listed in other bid items will not be paid for under this bid item.

### 3.11 MISCELLANEOUS WORK AT DIRECTION OF THE OWNER (ITEM S-4)

#### A. General

1. This item is intended to pay the Contractor for performing emergency repairs of water, sewer utilities and services for correction of any unforeseen conditions as discovered during the performance of the work as directed and approved by the Engineer or Owner. Utility repairs resulting from activities related to the Contractor's convenience or negligence will not be paid for under this item and will be paid for by the Contractor at no additional cost to the Owner.

#### B. Measurement

1. **(Item S-4) Miscellaneous Work at Direction of the Owner** - Measurement shall be based on the Contractor's time and material costs for performing emergency repairs of water and sewer utilities, as approved by Engineer. Contractor shall notify the Engineer's representative prior to proceeding with time and material work and shall provide time and material ticket to the Engineer's representative the day the work is performed. No time and material tickets will be accepted if not provided within 48 hours of work being performed.

#### C. Payment

1. Payment for **Item S-4 Miscellaneous Work at Direction of the Owner** will be made on the actual amount of work done approved and measured by the Engineer. Emergency repairs of water and sewer utilities shall include but not be limited labor, materials and equipment required for repair and replacement of water and sewer utilities and services utilizing the methods allowed herein and shall be full compensation for all work related to cutting existing pavement and excavation; excavation support and protection (as required); dewatering and drainage; repair of utility pipelines as directed by the Engineer; backfilling with native soil; compaction; restoring the trench surface to grade; restoring all physical features to grade including furnishing, installing, placing, compacting and sweeping; dense-graded base course, formwork, curing, concrete sidewalks, driveway aprons, concrete curb, initial paving, roadway concrete subbase, resetting or replacing of existing slate sidewalks and granite curbs, asphalt or concrete stamping, resetting or replacement of brick or rock pavers, pavement markings; painting, patching; cleaning, chlorinating; and all other incidentals to the satisfactory completion of this Item.
2. Services shall be based on the Contractor's time and material costs for performing the work as approved by Engineer.
3. Only work authorized in writing by the Engineer will be allowed to be reimbursed under this item.

END OF SECTION