



Beaches Water Co-operative

5901 Hillside Road, P.O. Box 164

St. Leonard, MD 20685

(410) 586-8710

INVITATION TO BID

SOLICITATION NUMBER #24-001

REDUCING LEAD IN DRINKING WATER SERVICE LINE REPLACEMENT PROJECT

To Furnish, Install, Connect, Flush, Sample and Test 2" OD or Less Water Main and Service Lines

BID CONTACT: Jim Stone

BEACHES WATER COOPERATIVE

5901 HILLSIDE ROAD, P.O. BOX 164

ST. LEONARD, MD 20685

www.beacheswater.com

E-MAIL: bwcwatermainproject2024@gmail.com

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INVITATION TO BID

Solicitation No. 24-001

Beaches Water Co-operative Reducing Lead in Drinking Water Service Line Replacement Project

To Furnish, Install, Connect, Flush, Sample and Test 2" OD or Less Water Main and Service Lines

Beaches Water Co-operative (BWC) is hereby requesting sealed bids for the above-listed project and other necessary work associated with the project within the BWC service area in Saint Leonard, Maryland.

Information for bidders, specifications and bid forms may be obtained from BWC's website at:

www.beacheswater.com.

All bids should be submitted to Beaches Water Co-operative, P.O. Box 164, Saint Leonard, MD 20685. The bid shall be sealed in an envelope marked "Bid No. 24-001, Do Not Open." A Bid Bond equal to 5% of the total bid amount must be submitted with the bid. Sealed bids shall be received until 12:00 a.m. on September 30, 2024. It is the bidder's responsibility to ensure that the bid is delivered by the designated time and date. Bids, which for any reason are not delivered within the deadline, will not be considered and will be returned unopened to the bidder.

Inquiries should be submitted via email to: bwcwatermainproject2024@gmail.com. No telephone inquiries will be accepted.

Small, local, minority and veteran owned businesses are encouraged to respond to this solicitation.

1. Introduction

Beaches Water Company, Inc. (dba Beaches Water Cooperative (BWC)) is located in Saint Leonard, Calvert County, Maryland. The office is situated at 5901 Hillside Road, St. Leonard, MD 20685. The mailing address is P.O. Box 164, St. Leonard, MD 20685.

Community members came together in 1982 to form Beaches Water Company, Inc. when Calvert County issued a building moratorium in the community due to unreliable water service. BWC is governed by established Rules and By-Laws and administered by a Board of Directors (BOD). These directors are elected from and by the community they serve. BWC’s mission is to provide dependable and economical water service which meets or exceeds health standards for all co-operative members.

Since 1982, BWC has made many improvements, adding wells, a new pump house, a 100,000-gallon tank, a second emergency generator, and upgrading water lines. Our current challenges have been to reduce water consumption through community awareness, obtaining financing for the purchase and installation of distribution piping to replace old piping and to promote water conservation.

Beaches Water Cooperative services approximately 800 property owners in parts of Calvert Beach, Long Beach, Cherry Lane Farms, Kings Creek II, Calvert Beach Estates II, Long Beach Heights, and Flag Harbor Heights. Some property owners currently have old, galvanized service mains and lines connected to SMART meters via an integrated shut-off valve located in each meter pit.

To complete this project, BWC applied for and has been approved for a loan from the Maryland Department of the Environment (MDE) Drinking Water Revolving Loan Fund Program and the U.S. Environmental Protection Agency (EPA). The loan will be the source of funding for our Water Main/Service Line Project. The following sections of this Invitation to Bid outline the schedule and requirements of the project.

2. Bid Dates

| Anticipated Solicitation Event | Date (and Time) |
|---|------------------------|
| Public Notices in Maryland Newspapers | August 30, 2024 |
| Bid Document Published to BWC Website | August 30, 2024 |
| Deadline for Receipt of Questions (via e-mail)* | September 16, 2024 |
| Date of Addendum for Response to Questions | September 23, 2024 |
| Deadline for Bid Submissions** | September 30, 2024 |

* All questions shall be submitted via email. Questions and technical content discussions will not be conducted over the phone.

** Bids shall not expire for at least 90 days after date of bid opening.

3. Scope of Work

a. General Requirements

BWC requests pricing and qualifications from companies that have experience in, and are capable, of installation via bi-directional boring of water distribution systems and connection of same. BWC currently provides water service to approximately 800 members. The new system will replace galvanized piping systems in the water distribution system and reduce water line leaks hence save water.

BWC desires to award one Contract to a company, capable of handling all aspects of the contract, including: furnish material, install, connect, flush, sample and test the new distribution system.

b. Contractor's Responsibilities

Personnel

All employees of the contractor shall be considered to be, at all times, the sole employees of the Contractor, under his sole direction and not an employee or agent of BWC. BWC may require the contractor to remove an employee if it deems the employee to be careless, incompetent, insubordinate, or otherwise objectionable and whose continued employment on behalf of BWC is not in the best interest of BWC.

- All employees shall wear a uniform or badge identifying them as employees of the contractor.
- Contractor shall have in its employ, or under its control, sufficient qualified, experienced and competent personnel to perform work promptly and in accordance with a schedule or work program as approved by BWC. Contractor shall be responsible for overseeing the work of all workers.
- At least one employee of the contractor, assigned to the BWC job site, must be able to fluently speak, read and communicate in the English language or the contractor must provide a translator for communication at the contractor's expense.

Work Scheduling and Service Interruptions

- Contractor is responsible for coordinating with BWC office staff scheduled interruptions of water service to homeowners. *The contractor will provide BWC's office staff a weekly proposed schedule in advance and a daily progress report.* The contractor shall provide notices posted on the street of pending water shut off at least 48 hours in advance. The notices shall indicate the day and scheduled time of shut off. In addition to posting notices on the street the contractor is responsible for shutting off the water to each service as well as notifying each customer of the pending interruption of service by knocking on doors and leaving notices on doors if a customer does not answer.
- MISS UTILITY: Contractor shall be responsible for contacting MISS UTILITY prior to digging.

- The contractor shall begin work no earlier than 7:00 a.m. and end work no later than 5:00 p.m. Monday through Friday. The contractor shall not disrupt water service to customers any earlier than 9:00 a.m. nor any later than 4:00 p.m. Monday through Friday. Nor shall Contractor disrupt water service to customers on federal holidays or during the weekends.

Simplified Standard Sequence of Operation

| |
|---|
| 1. Maintain weekly/daily schedule with BWC office staff |
| 2. Verify address and inform customer that their water supply will be shut off in accordance with protocol defined above. |
| 3. Install new piping and connect with new/existing curb stop to existing water meter. |
| 4. After installation, open customer’s hose bib and open the water supply slowly to avoid any surge or water hammer that might cause damage. |
| 5. Confirm there are no leaks in the water distribution system and close hose bib. |
| 6. Ensure that customer is aware that work is completed, and service is restored. |
| 7. Replace curb stop/water box lid, remove any debris, and leave customer’s yard as it was found prior to work; seed and straw disturbed yards. |

Quality Assurance

- The contractor shall be responsible for repairing any damage or leakage caused by installation to BWC lines, the curb stop/meter boxes and/or vaults. The contractor shall not be liable for any pre-existing leaks that are identified to BWC before excavation.
- The contractor shall restore the grounds of the work area to a similar or better condition as existed prior to installation.
- The contractor is responsible for any damage that occur within twelve (12) inches on either side of pit excavation areas resulting from its installation efforts. The contractor will promptly repair any damage within this area at the contractor’s expense.

Material and Equipment

- The contractor is responsible for providing material and equipment necessary for the job unless otherwise agreed upon by both parties.
- Installations shall be in accordance with Specifications indicated in Attachment D.
- BWC has limited space for stockpiling materials but will work with the contractor to provide areas that can be used.

Location of Piping

The contractor has the sole responsibility of locating the service line and curb stop valves for each home. BWC has a variety of installations that date from the early beginnings of the water system. BWC will provide a construction drawing showing the approximate location of existing and proposed water main/service line and existing meter locations.

Data Collection

c. BWC’s Responsibilities

- BWC shall provide an employee to facilitate location of pipes and valves when necessary and provide input relating to planned water outages. Any digging to determine the exact location of piping is the responsibility of the contractor.
- BWC shall provide oversight of sample collection and testing of new water main/service line connections.
- BWC will track weekly and daily progress to coincide with confirmation of billing.

4. Requirements and Contract Provisions (MDE Insert)

INCORPORATED BY REFERENCE IN ATTACHMENT E:

This Project is financed through the Maryland Department of the Environment (MDE) Revolving Loan Fund Program and the Environmental Protection Agency (EPA). Specific provisions and contract requirements are provided in Attachment E. These requirements are a minimum as specified by MDE. Additional requirements are contained in other sections of this bid document.

5. Response

a. Qualifications and Experience

Company Experience

Provide an overview of your Company’s experience with similar water main/service line projects and why you believe that your Company is best suited to serve the needs of BWC.

Company Overview and Project Team

Provide general information on your Company, the key employees that will be assigned to this project, and similar background information for any material supplier(s) or subcontractor(s) that your Company intends to utilize on the project. Provide name and contact information for key contact person. Contact information should include an emergency number for off hours.

Project Management Plan

Provide a detailed overview of how your Company intends to successfully manage this project including ongoing communication with BWC, progress reporting, problem resolution, quality assurance, and overall system commissioning. A deployment timeline must be included.

b. Insurance

Worker’s Compensation Insurance

Provide an original Certificate of Insurance indicating current Worker’s Compensation Insurance, the carrier and the coverage amount.

Liability Insurance

Provide an original Certificate of Insurance indicating General Liability Insurance with minimum coverage of \$1,000,000 each occurrence, general aggregate minimum limit of \$2,000,000, damage to premises of \$50,000 and medical expenses any one person of \$5,000 with a deductible of not greater than \$1,000.

Auto Insurance

Provide an original Certificate of Insurance indicating coverage in a combined single limit of \$1,000,000. Every vehicle used during the term of this contract must have evidence of vehicle insurance with limits of no less than \$50,000/\$100,000 and medical pay of \$5,000.

c. Drug Free Policy

The Bidder shall include a copy of their company's Drug Free Policy.

d. Price/Fee

Provide a completed Bid Form as outlined in Attachment A of the BID document.

e. Payment Schedule

The Contractor must provide payment terms of no less than net 45 days.

f. Audit Clause

The Contractor shall agree to the following conditions:

The State of Maryland, MDE, EPA, Comptroller General of the United States, or any of their duly authorized representatives, shall have access to any books, documents, papers and records of the contractor which are directly pertinent to the specific project that is under review for allowance by the reviewing agency. To accomplish this requirement, the contractor shall make available the project or case file, and detailed time records showing all staff time and describing all work charged to the project under review. These records shall be made available for a period of three years following final payment on the contract.

g. Information to be furnished by the Bidder:

Bids should be organized and formatted in the following manner:

- A. Title Page** - Show the BID subject, the name of the Bidder, address, phone number, name of the contact person and the date.
- B. Table of Contents** - Include a clear identification of the material by section and by page number
- C. Scope of Work** – Preferred limit to ten pages.
 - a. Work to be performed - Briefly demonstrate that the Bidder understands the work to be done, and that Bidder has the experience to perform the Scope of Services requested. Explain how your solution will specifically meet the technical needs of BWC and its advantages over other solutions.

- b. Authorized Representatives - State the names of the person(s) who will be authorized to make representations for the Bidder, their titles, addresses and phone numbers. Key project personnel should be identified.
 - c. Primary Contact and Assigned Personnel - Give the name of the Bidder and firm, address and phone number, and the name and title of the one individual who would be responsible for this project management.
 - d. Range of Professional Activities - Describe the range of activities performed and/or services provided by the Bidder that makes them an expert of this service.
 - e. References - Provide a minimum of two (2) references where the Bidder has performed similar services. Include the name, address and phone number of a contact person as well as a brief description of the service performed.
 - f. Invitation to Bid Cover Page - The cover page of this Bid document must be submitted with the Bid.
- D. Attachments** – Completed forms and documents requested by this Bid document.

6. Evaluation

a. Evaluation Criteria

The following factors will be utilized by BWC to evaluate each submission received. Award of points will be based on the documentation that the Bidder submits within the submission.

| Factor | Points | Description |
|--------|--------|---|
| 1 | 30% | Demonstrated experience in performing similar projects, customer references, and technical capabilities of the Bidder based on the subjective assessment of the evaluators following the review of the Bidder’s response. Demonstrated understanding of the requirements, based on the subjective assessment of the evaluators following the review of the Bidder’s response. Appropriateness of the technical approach and work plan based on the subjective assessment of the evaluators following the review of the Bidder’s response. Quality and professional appearance of the Bid submitted, based on the objective assessment of the evaluators following the review of the entire Bid as submitted by the Bidder. |
| 2 | 70% | Proposed fees, based on the objective ranking of fees submitted by all Bidders, proportionally from lowest to highest following the review of the Bidder’s response. |
| Total | 100% | |

b. Evaluation Method

1. Initial Evaluation for Responsiveness: each Bid will first be evaluated for responsiveness (i.e. meets the minimum of the published requirements). BWC reserves the right to reject any and all Bids deemed as not minimally responsive.
2. BWC will form an Evaluation Review Committee to review Bids and make recommendations to the Board of Directors for selection based on scoring as detailed above.
3. The Bidder shall not make contact with the individual members of the Evaluation Review Committee or Board of Directors, or their Bid may be rejected.
4. Notice of Results: All Bidders will receive e-mail notification of the resulting scores of the evaluation, including the name of the successful Bidder. BWC will weigh the criteria based on 30% Qualifications and 70% Bid Total. Within these criteria, the contract will be awarded to the lowest responsible and responsive bidder.

7. Contract

a. Contract Document

1. BWC and the successful Bidder will execute the contract prior to initiation of project.
2. All provisions within this solicitation document are considered to be included in the terms of the contract by reference.

b. Contract Conditions

1. Assignment of Personnel: BWC shall reserve the right to demand and receive a change in personnel assigned to the work if BWC believes that such a change is in its best interest and in the completion of the assigned work.
2. Unauthorized Sub-Contracting: The successful Bidder shall not assign any right, nor delegate any duty for the work proposed pursuant to this solicitation document (including, but not limited to selling or transferring the contract) without the prior written consent of BWC. Any purported assignment of interest or delegation of duty, without the prior written consent of BWC shall be void and may result in the cancellation of the contract with BWC or may result in the full or partial forfeiture of funds paid to the successful Bidder as a result of the proposed contract.
3. Insurance Requirements: Prior to award but not as part of the Bid submission, the successful Bidder will be required to provide an original certificate evidencing General Liability coverage as described in Section 5.b. above, naming BWC as an additional insured.
4. Payment and Performance Bond: Prior to the Award but not as part of the Bid submission, the winning Bidder will be required to provide a Payment Bond and a Performance Bond equal to 100% of the amount of the contract awarded and a performance period of at least two (2) years from the date of project completion.

c. Contract Period

The contract will last for the duration of the Water Main/Service Line Project which shall be completed within 18-24 months from the contract date.

d. Contract Service Standards

All work performed pursuant to this solicitation must confirm and comply with all applicable federal, state, and local laws, statutes, and regulations. The Contractor is responsible for obtaining any and all permits necessary to do the work.

e. Contract Payment

Following the completion of piping installations and satisfactory review of installations by BWC, the contractor may submit invoices to: Beaches Water Co-op, Accounts Payable, P. O. Box 164, St. Leonard. MD 20685 no more frequently than every two weeks. The contractor shall allow terms of

Net 45 for all payments. The contractor shall reduce billing invoices by a 10% retainage to be paid upon the satisfactory completion of the project as a whole.

f. Invoicing Requirements

Contractor invoices shall reflect the prices for the items as agreed. Only properly submitted invoices will be officially processed for payment. Invoices submitted without required information will be returned for entry of the missing information and will not be paid until the missing information is provided and the invoice resubmitted.

1. The invoices must be itemized showing the Contractor’s name, remit to address, purchase order number and service locations (addresses) of the completed work.
2. BWC will pay properly completed and authorized invoice within forty-five (45) days of receipt.
3. BWC will pay all invoices by check with a net 45-day payment.

g. Liquidated Damages

Completion of this project in a timely manner is essential.

Unless otherwise provided in the contract, for each day that this project shall remain uncompleted after the expiration of the workdays specified, or amended by extensions approved by BWC, the sum indicated below per working day shall be deducted from any money due the Contractor, not as a penalty, but as liquidated damages.

If, in the opinion of the BWC BOD, work is delayed because of conditions beyond the control and without the fault of the Contractor, including hindrances or delays to the work attributable to lack of reasonable prompt and/or efficient action on the part of BWC or its representatives, the BOD shall extend the time for completion in such amount as the conditions justify.

Liquidated Damages

| <u>Contract Amount</u> | | <u>Liquidated Damages per working day</u> |
|------------------------|-------------|---|
| <u>From</u> | <u>To</u> | |
| \$500,000- | \$1,000,000 | \$1,000 |
| \$1,000,000- | \$2,000,000 | \$2,000 |

The Contractor shall be provided with a schedule indicating the days charged to the contract and the number of days specified for completion of the contract. The Contractor will be allowed five (5) working days in which to protest and thirty (30) working days in which to file a written statement setting forth in what respect said time charges are incorrect. Otherwise, the record shall be deemed to have been accepted by the Contractor as correct.

h. Termination Clause

BWC may at any time exercise the right to terminate the contract if the contractor defaults on the contract requirements. BWC shall provide written notice of termination to the contractor providing reason for termination.

ATTACHMENTS

ATTACHMENT A - BID FORM AND RESPONSE

ATTACHMENT B - PERFORMANCE CRITERIA

ATTACHMENT C – CONSTRUCTION DRAWINGS

ATTACHMENT D - SPECIFICATIONS

ATTACHMENT E - REQUIREMENTS AND CONTRACT PROVISIONS (MDE INSERT)

ATTACHMENT F - CONTRACT

ATTACHMENT A - BID FORM and RESPONSE

The undersigned hereby declares and represents that:

- a) Bidder has carefully examined and fully understands the project requirements as stated in BWC’s BID document.
- b) Bidder has not received, relied on or based our Bid on any verbal instructions contrary to the BID documents or any subsequent addenda.
- c) Bidder accepts all the terms and conditions of the Instructions to Bidders. The bidder agrees that the bid will not expire for ninety days after the date of bid opening.
- d) Bidder has examined copies of all the contract documents and hereby acknowledges receipt of the following Addenda:

| <u>Number</u> | <u>Date</u> |
|---------------|-------------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

NAME OF BIDDER: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE/FAX NUMBER(S): _____

NAME OF AUTHORIZED SIGNATORY: _____

TITLE OF AUTHORIZED SIGNATORY: _____

SIGNATURE OF AUTHORIZED SIGNATORY: _____

DATE OF BID SUBMITTAL: _____

**SUBMIT FIVE (5) COPIES OF
BID TO:**

BEACHES WATER COOPERATIVE
 ATTN: JIM STONE
 P.O. BOX 164
 ST. LEONARD, MD, 20685

BIDDER PROPOSED PRICING FOR WATER MAIN/SERVICE LINE INSTALLATION PROJECT

Date: _____

Bidding Firm: _____

The goal of this project is to furnish material, install, connect, flush, sample/test and manage, a new water distribution system construction project for BWC that fully meets or exceeds the performance criteria product specifications contained within this document. Responding firms who meet all criteria outlined herein are invited to present a bid addressing the following scope of work:

| ITEM | DESCRIPTION | QTY ¹ | UNIT PRICE | TOTAL PRICE |
|------|---|------------------|------------|-------------|
| 1 | Bore ¾" to 1" service line | | | |
| 2 | Bore 2" water main | | | |
| 3 | Connect ¾" to 1" service line to 2" water main and existing water meter | | | |
| 4 | Connect new 2" water main to existing 2" or larger water main | | | |
| 5 | Flush, sample/test water main and service lines | | | |
| 6 | | | | |
| 7 | Site Restoration (sod/dirt/grass seed, asphalt) | | | |
| | Materials Subtotal | | | |
| 1 | | | | |
| | Infrastructure Subtotal | | | |
| 1 | | | | |
| 2 | | | | |
| 3 | | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |

| Installation Subtotal | | | | |
|-------------------------------|--|------------------|------------|-------------|
| ITEM | DESCRIPTION | QTY ¹ | UNIT PRICE | TOTAL PRICE |
| | Contingency Items² Only as authorized by Buyer priced per item | | | |
| 1 | | | | |
| 2 | Repair existing 3/4" to 1" service line | | | |
| 3 | Repair existing 2" water main | | | |
| 4 | | | | |
| 5 | | | | |
| 6 | | | | |
| 7 | | | | |
| TOTAL BID AMOUNT ⁴ | | | | |

NOTES:

- ¹ Quantity is an estimate provided by BWC, final project pricing shall be determined by actual meter numbers at the price per item as listed.
- ² Contingency items include Materials and Installation.
- ³ All equipment contained herein must meet the specifications outlined in Appendices B and D.
- ⁴ Selection of the successful bidder will be based on weighted criteria based on 30% Qualifications and 70% Total Bid Amount. Within these criteria, the contract will be awarded to the lowest responsible, responsive bidder.

**REQUEST FOR BIDS-RESPONSE
FOR
WATER MAIN/SERVICE LINE INSTALLATION PROJECT**

Please Complete and Return This Form with Your Bid

Issue Date:

Title: Reducing Lead in Drinking Water Service Line Replacement

Period of Contract: 18-24 Months or Until Completion

Due Date:

Delivery Address: Beaches Water Cooperative
P.O. BOX 164
Saint Leonard, MD 20685

IN COMPLIANCE WITH THIS REQUEST FOR BIDS AND TO ALL THE CONDITIONS IMPOSED HEREIN, THE UNDERSIGNED OFFERS AND AGREES TO FURNISH THE SERVICES IN ACCORDANCE WITH THE SIGNED BID, OR AS MUTUALLY AGREED UPON THROUGH SUBSEQUENT NEGOTIATION, THE UNDERSIGNED FURTHER CERTIFIES THAT HE/SHE IS AUTHORIZED TO SIGN THIS DOCUMENT ON BEHALF OF THE SUBMITTING FIRM.

Name of Firm: _____

Address: _____

City, State, Zip: _____

Phone Number: _____ Fax Number: _____

Signature of Person

Submitting Bid: _____

Printed or Typed Name: _____

Title: _____

NOTE: Changes to this BID DOCUMENT may be issued in the form of addenda at any time prior to the due date and time of submitting Bids. ADDENDA WILL BE POSTED TO BWC'S WEBSITE AT: WWW.BEACHESWATER.COM. *IT IS THE BIDDER'S RESPONSIBILITY TO CHECK THE WEBSITE FREQUENTLY FOR ANY ADDENDA.*

ATTACHMENT B - PERFORMANCE CRITERIA

BWC is soliciting Bids from qualified providers in order to furnish, install/connect, flush, test and sample which is capable of meeting or exceeding the following performance criteria:

1. **Water Piping and Fittings**

Shall comply with the BWC's provided specifications. The latest revision of these specifications is attached. It is imperative that all comply with NSF/ANSI 372 (also known as NSF61-G) lead-free requirement.

Conduct a post installation operational test of each new connection for 10 minutes. No leakage allowed. Test failure will result in depressurizing the system, re-tightening the connection and re-initializing the operational test for 10 minutes.

2. All piping sections must be flushed for 5-mins or until the water is clear and bright.
3. All piping sections must be sampled for CL2 with results 0.8-1.2 ppm free CL2. Failure will result in additional flushing and evaluation if needed.
4. All piping must also be sampled for bacteria resulting in an absence of Total Coliform and E. Coli. Failure will result in additional flushing and evaluation if needed.

5. **General**

Rework: includes installation not in accordance with Specifications or other guidance, failed operational test and sample results. A rework rate of over 5% of failed operational leak tests is considered to be excessive and should be evaluated during the course of piping install/connection.

ATTACHMENT C - PROPERTY LIST (REFER TO CONSTRUCTION DRAWINGS)

ATTACHMENT D – CONSTRUCTION DRAWINGS AND NOTES



BWC Project
Construction Drawings

Refer to link.

Construction Notes

Definition: The “Owner” is defined as Beaches Water Co-op (BWC) or its designated representative.

The “Contractor” is defined as the entity performing bi-directional boring or plumbing connections.

1. Unless otherwise stated the “Owner” shall provide all materials.
2. All testing and flushing of new distribution main and service lines will be witnessed by “Owner” or designated representative.
3. The “Owner” shall obtain utility permits from Calvert County Management and Inspections Division.
4. The “Owner” shall normally operate any water valve; curb stop. Requests to operate valves must be submitted to the “Owner” or designated representative 24 hours in advance.
5. The “Contractor” shall use WSSC “Specifications, Section 02510, Water Distribution System” as a guide as well as water distribution construction “Best Practices”.
6. All water construction shall be in accordance with the latest General Specifications and Standard Details of the Washington Suburban Sanitary Commission (WSSC), latest General Specifications and Standard Details of the Maryland State Highway Administration, and the Calvert County Road Ordinance, unless otherwise noted.
7. The “Contractor” must maintain all sediment control devices and ensure that all points of construction, ingress and egress are protected as directed by “Owner” to prevent tracking mud and dirt onto public rights-of-way (sidewalks, roads, etc.) or affecting adjacent areas.
8. Abandonment of water service connections shall be made at the main line and at designated service lines as directed by the “Owner.” Abandoned water service connections (two inches or less), should be plugged, or capped with a brass plug/cap.
9. Shutdowns to Existing Water System: Any shutdown shall be made at hours determined by the “Owner” to cause the least disturbance to existing customers, normally after 9am and prior to 4 pm. The “Contractor” shall notify the “Owner” in writing at least three calendar days prior to making the shutdown and submit for approval a schedule and method to complete the proposed shutdown and associated work. “Owner” must provide a minimum of three calendar days of

notice to affected properties. The shutdown will then be made at the designated time in accordance with the directions of the "Owner."

10. Test pit information on existing crossings must be provided a minimum of 48 hours prior to construction.

11. Storage: The "Contractor" may store pipe and materials at designated sites as approved by the "Owner," so as not to damage the materials and shall maintain such storage areas in a hazard free and safe condition at all times.

12. Lubricants: Lubricants shall be potable hydrogenated vegetable oil that is insoluble in cold water and does not impart taste or odor. The lubricant shall not contain detergents, soaps, or organic solvents either aliphatic or aromatic and shall be certified as nontoxic to humans or animals. The lubricant shall be of a semi-paste consistency.

It shall remain in a usable state through the temperature in which the water pipe is normally installed.

13. Tap assembly and saddle installations shall be witnessed by the "Owner."

14. Cover: All water mains shall be installed with a minimum of three and a half feet of cover below finished grade or three feet of cover below finished subgrade.

15. Blocking for New Mains: Block all new two" diameter fittings with concrete per plans and Standard WSSC Specifications and Standard Details where necessary. Mechanical joint fittings, bolts, etc. must be protected from concrete.

16. Water Main Tests: The "Contractor shall accomplish pressure tests in accordance with WSSC Standards and Specifications unless otherwise stated elsewhere prior to connection connecting new water mains to the existing public system. Owner shall witness.

17. "Owner" will conduct a 24-hour bacterial test unless otherwise stated elsewhere. Passing test results must be provided from a lab certified by the Maryland Department of the Environment and shall be in accordance with the Standard Methods for Examination of Water.

ATTACHMENT E:
REQUIREMENTS AND CONTRACT PROVISIONS (MDE INSERT, pp 1-26 and 44-60 apply)

ATTACHMENT F-CONTRACT



BWC-Contract
24-001 PDF 2024081