

**Portland  
Water  
District**

*From Sebago Lake to Casco Bay*

## **COUNTY ROAD WATER MAIN REPLACEMENT**

**ADDENDUM NO. 1  
TO  
CONTRACT DOCUMENTS  
FOR**

**BIDDING AND CONTRACT REQUIREMENTS AND SPECIFICATIONS  
VOLUME 1 OF 1**

**DATE: MAY 6, 2026**

Prepared By:  
PORTLAND WATER DISTRICT  
225 Douglass Street  
Portland, ME 04104

### **SPECIFICATION UPDATES**

1. **Section C410 – Bid Form.** Item W18 estimate increased to account for two (2) inches of temporary pavement being consider applicable for payment.
2. **Section 01250 – Measurement & Payment.** Item W18 revised to allow for two (2) inches of temporary pavement being consider applicable for payment.

### **DRAWINGS**

1. **Sheets W1 & W2.** References to air valve and chlorine tap now clarified to acknowledge a electrofusion saddle will be required.

### **ATTACHMENTS**

1. Project Question Log
2. Pre-Bid Meeting Agenda
3. Pre-Bid Meeting Attendance
4. Revised Section C410 – Bid Form
5. Revised Section 01250 – Measurement & Payment
6. Revised Sheet W1
7. Revised Sheet W2

# **ATTACHMENT 1**

## **Project Question Log**

# Portland Water District

## County Road – Water Main Replacement Project

Bidding – Question & Response Log

Last Revised: May 6, 2026

- 1. Are electrofusion saddles required for all small diameter service taps (including chlorine taps and air valves)?**
  - a. *Yes, this can be made clear for the air valve and chlorine tap in the drawings in Addendum 1.*
- 2. Will PWD/the City allow night work for this project?**
  - a. *All requests for night work in the City of Westbrook need to go through City Council. PWD will not have any influence on this approval, but can confirm that night work will not be an issue for inspection services provided.*
- 3. Would night work change the prescribed work window?**
  - a. *Working hours during night work are considered part of the approval provided by City Council. There are no prescribed approved working hours for night work in the City of Westbrook.*
- 4. Will PWD/the City allow for pits/trenches to be plated overnight?**
  - a. *No, not within a travel lane.*
- 5. Would PWD consider including temporary paving as a payable item?**
  - a. *Yes, this can be built into the bid in Addendum 1. The bid form estimate for base pavement has been increase to assume two (2) additional inches of HMA for all trenches. In any situation where temporary pavement is required in order to maintain drivable conditions in the roadway during construction, PWD will pay up to an additional two (2) inches through this line item.*
- 6. Does PWD expect there to be any flexibility on the working hours outlined in the City's ordinance?**
  - a. *No. This has been confirmed by the City.*
- 7. Does PWD expect that there would be room for a second lane to be utilized in order to maintain traffic? Could a lane be created by building out the shoulder?**
  - a. *No. This has been confirmed by the City.*
- 8. Would automatic traffic lights be an allowable alternative to flagging?**
  - a. *PWD has confirmed with the City that automatic traffic lights will not be allowed in this project. Traffic control must be maintained through flagging.*
- 9. Would PWD allow for IPS pipe for a higher DR for the temporary water main?**
  - a. *Contractors should structure their bid using the pipe specifications included within the bid documents.*

**10. Will message boards be required for this project?**

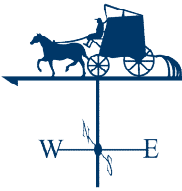
- a. *The Contractor should plan on posting message boards on either side of the project 2-3 weeks ahead of construction. The specific requirements of these message boards (number, duration, wording, etc.) will be per the City as part of the traffic control submittal.*

**11. How do the pay widths outlined in the standard details align with the trenches required for pipe bursting?**

- a. *PWD expects/understands that some trenches will need to be larger than a standard pipe installation trench in order to accommodate the prescribed construction method. Contractors should expect to be paid for the materials utilized when the situation is outside of the normal pipe laying limits (i.e., if the pipe bursting equipment requires a hole wider than the 6-ft shown in the details, the contractor will be paid for the additional width of gravels and pavement).*

# **ATTACHMENT 2**

## **Pre-Bid Meeting Agenda**



# Portland Water District

*From Sebago Lake to Casco Bay*

## **Pre-Bid Meeting Agenda**

*County Road Water Main Replacement*

*Westbrook, Maine*

*April 23, 2025*

### **Introductions**

- **Purchasing Agent** - Wesley Gilbert - 207-774-5961 x1007 - [wgilbert@pwd.org](mailto:wgilbert@pwd.org)
- **Project Lead** - Adam Sellick - 207-774-5961 x3975 - [asellick@pwd.org](mailto:asellick@pwd.org)
- **Project Resource** - Nate Harvey - 207-774-5961 x3111 - [nharvey@pwd.org](mailto:nharvey@pwd.org)

### **Project Review**

- Water main replacement in County Road, Karen Drive, and Ledgeview Drive.
  - Prescribed construction method is pipe-bursting.
- Total replacement of roughly **1820-ft** of pipe with new **HDPE** water main.
- Total replacement of:
  - Three (3) small diameter services,
  - Three (3) large diameter services, and
  - Three (3) hydrants.
- Pipe bursting specific requirements and expectations have been outlined in Attachment 1. This document refers back to other Specification Sections (e.g., Pressure Testing, Disinfection, etc.).
- Existing water main leak repair data for the main segment has been included in the drawings. These should be considered by the Pipe Bursting (sub)contractor relative to expected production rates.
- Pipe Bursting (sub)contractor should camera existing main to review existing conditions prior to bursting.
- Pipe Bursting (sub)contractor should plan to use cutting head specific to ductile iron as well as any additional cutting heads/fittings to ensure the burst is successful.
- Pavement restoration to be base pavement in 2026, mill and install surface pavement in 2027.
- Permit allowances included in Bid. Allowance to be used for Street Opening permit fees only.
- Two (2) Police Details will be required when lane closure is required.
- The Westbrook Ordinance restricts working hours in arterial roadways to 8:00am to 3:30pm when lane closure is required.

### **Schedule**

- Bid Opening: **May 12, 2026**
- Substantial Completion: **October 30, 2026**
- Final Completion: **May 28, 2027**

# **ATTACHMENT 3**

Pre-Bid Meeting Attendance



# **ATTACHMENT 4**

Revised Section C410 – Bid Form

# BID FORM FOR CONSTRUCTION CONTRACT

The terms used in this Bid with initial capital letters have the meanings stated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

## ARTICLE 1—OWNER AND BIDDER

- 1.01 This Bid is submitted to: **Portland Water District, 225 Douglass Street, Portland, ME 04102**
- 1.02 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with Owner in the form included in the Bidding Documents to perform all Work as specified or indicated in the Bidding Documents for the prices and within the times indicated in this Bid and in accordance with the other terms and conditions of the Bidding Documents.

## ARTICLE 2—ATTACHMENTS TO THIS BID

- 2.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security;
  - B. Claims history
    - 1. Within the last 5 years has the Contractor (or any Predecessor Entities or Related Entities) been a party to a Claim\* with an originally claimed amount in excess of \$50,000?
      - a. YES  NO
    - 2. If YES, please provide full details for each Claim on attached sheets including (a) whether the Claim was brought by or against the Contractor (or any Predecessor Entities or Related Entities), (b) the nature of the Dispute underlying the Claim, (c) originally claimed amounts, (d) the resolution of such Claims (including the amount) or if unresolved, the current status of such Claims, and (e) the name, address and phone number of the primary adverse party who can be contacted for additional information, and (f) a written summary of your position on the matter (if desired).
    - 3. \*Claim: Any appeal, proceeding, or other process for additional consideration of a Dispute, including litigation, that is initiated by the Contractor and to which the adverse party (example - project owner) did not consent. A Claim does not include Disputes being negotiated in good faith by the Contractor and the adverse party or proceedings before third party neutrals to which the adverse party has consented to participate including Dispute Review Board proceedings and mediation.

**ARTICLE 3—BASIS OF BID**

3.01 *Unit Price Bids*

A. Bidder will perform the following Work at the indicated unit prices:

Item No.	Description	Unit	Est Quantity	Bid Unit Price	Bid Amount
W1	14-inch HDPE Water Main	LF	1820	\$	\$
W2	12-inch Ductile Iron Water Main	LF	10	\$	\$
W3	12-inch PVC Water Main	LF	10	\$	\$
W4	14-inch Gate Valve	EA	3	\$	\$
W5	12-inch Gate Valve	EA	1	\$	\$
W6	12-inch Insertion Valve	EA	2	\$	\$
W7	14" x 12" Tapping Sleeve & 12" Gate Valve	EA	2	\$	\$
W8	Hydrant	EA	3	\$	\$
W9	1-inch Air Release Valve	EA	1	\$	\$
W10	1-inch Copper Service - Short side	EA	2	\$	\$
W11	1-inch Copper Service - Long side	EA	1	\$	\$
W12	6-inch Ductile Iron Service	EA	3	\$	\$
W13	Gravel Borrow	CY	35	\$	\$
W14	Unsuitable Material Excavated Below Grade	CY	50	\$	\$
W15	Rock Excavation	CY	10	\$	\$
W16	Aggregate Subbase Course Type D	CY	110	\$	\$
W17	Aggregate Base Course Type A	CY	25	\$	\$
W18	HMA Binder Course - 19MM	TON	165	\$	\$
W19	HMA Surface Course - 9.5MM	TON	50	\$	\$
TC1	Work Zone Traffic Control	LS	1	\$	\$
TC2	Police Detail	HR	500	\$	\$
FG1	Flagging	LS	1	\$	\$
TW1	Temporary Water System	LS	1	\$	\$
P1	Work Zone Traffic Control	LS	1	\$	\$
L1	Foreman	HR	5	\$	\$

L2	Laborer	HR	5	\$	\$
L3	Loader & Operator	HR	5	\$	\$
L4	Excavator & Operator	HR	5	\$	\$
L5	Dump Truck & Driver	HR	5	\$	\$
P1	Permitting Allowance	LS	1	\$15,000.00	\$
<b>Total of All Unit Price Bid Items</b>					\$

B. Bidder acknowledges that:

1. each Bid Unit Price includes an amount considered by Bidder to be adequate to cover Contractor's overhead and profit for each separately identified item, and
2. estimated quantities are not guaranteed, and are solely for the purpose of comparison of Bids, and final payment for all Unit Price Work will be based on actual quantities, determined as provided in the Contract Documents.

**ARTICLE 4—TIME OF COMPLETION**

4.01 Bidder agrees that the Work will be substantially complete and will be completed and ready for final payment in accordance with Paragraph 15.06 of the General Conditions on or before the dates or within the number of calendar days indicated in the Agreement.

4.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

**ARTICLE 5—BIDDER'S ACKNOWLEDGEMENTS: ACCEPTANCE PERIOD, INSTRUCTIONS, AND RECEIPT OF ADDENDA**

5.01 *Bid Acceptance Period*

- A. This Bid will remain subject to acceptance for 60 days after the Bid opening, or for such longer period of time that Bidder may agree to in writing upon request of Owner.

5.02 *Instructions to Bidders*

- A. Bidder accepts all of the terms and conditions of the Instructions to Bidders, including without limitation those dealing with the disposition of Bid security.

5.03 *Receipt of Addenda*

- A. Bidder hereby acknowledges receipt of the following Addenda:

Addendum Number	Addendum Date

## ARTICLE 6—BIDDER’S REPRESENTATIONS AND CERTIFICATIONS

### 6.01 Bidder’s Representations

- A. In submitting this Bid, Bidder represents the following:
1. Bidder has examined and carefully studied the Bidding Documents, including Addenda.
  2. Bidder has visited the Site, conducted a thorough visual examination of the Site and adjacent areas, and become familiar with the general, local, and Site conditions that may affect cost, progress, and performance of the Work.
  3. Bidder is familiar with all Laws and Regulations that may affect cost, progress, and performance of the Work.
  4. Bidder has carefully studied the reports of explorations and tests of subsurface conditions at or adjacent to the Site and the drawings of physical conditions relating to existing surface or subsurface structures at the Site that have been identified in the Supplementary Conditions, with respect to the Technical Data in such reports and drawings.
  5. Bidder has carefully studied the reports and drawings relating to Hazardous Environmental Conditions, if any, at or adjacent to the Site that have been identified in the Supplementary Conditions, with respect to Technical Data in such reports and drawings.
  6. Bidder has considered the information known to Bidder itself; information commonly known to contractors doing business in the locality of the Site; information and observations obtained from visits to the Site; the Bidding Documents; and the Technical Data identified in the Supplementary Conditions or by definition, with respect to the effect of such information, observations, and Technical Data on (a) the cost, progress, and performance of the Work; (b) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder, if selected as Contractor; and (c) Bidder’s (Contractor’s) safety precautions and programs.
  7. Based on the information and observations referred to in the preceding paragraph, Bidder agrees that no further examinations, investigations, explorations, tests, studies, or data are necessary for the performance of the Work at the Contract Price, within the Contract Times, and in accordance with the other terms and conditions of the Contract.
  8. Bidder is aware of the general nature of work to be performed by Owner and others at the Site that relates to the Work as indicated in the Bidding Documents.
  9. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and of discrepancies between Site conditions and the Contract Documents, and the written resolution thereof by Engineer is acceptable to Contractor.
  10. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for performance and furnishing of the Work.
  11. The submission of this Bid constitutes an incontrovertible representation by Bidder that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

6.02 *Bidder's Certifications*

A. The Bidder certifies the following:

1. This Bid is genuine and not made in the interest of or on behalf of any undisclosed individual or entity and is not submitted in conformity with any collusive agreement or rules of any group, association, organization, or corporation.
2. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid.
3. Bidder has not solicited or induced any individual or entity to refrain from bidding.
4. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 8.02.A:
  - a. Corrupt practice means the offering, giving, receiving, or soliciting of anything of value likely to influence the action of a public official in the bidding process.
  - b. Fraudulent practice means an intentional misrepresentation of facts made (a) to influence the bidding process to the detriment of Owner, (b) to establish bid prices at artificial non-competitive levels, or (c) to deprive Owner of the benefits of free and open competition.
  - c. Collusive practice means a scheme or arrangement between two or more Bidders, with or without the knowledge of Owner, a purpose of which is to establish bid prices at artificial, non-competitive levels.
  - d. Coercive practice means harming or threatening to harm, directly or indirectly, persons or their property to influence their participation in the bidding process or affect the execution of the Contract.

BIDDER hereby submits this Bid as set forth above:

Bidder:

\_\_\_\_\_  
*(typed or printed name of organization)*

By: \_\_\_\_\_  
*(individual's signature)*

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

Title: \_\_\_\_\_  
*(typed or printed)*

Date: \_\_\_\_\_  
*(typed or printed)*

*If Bidder is a corporation, a partnership, or a joint venture, attach evidence of authority to sign.*

Attest: \_\_\_\_\_  
*(individual's signature)*

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

Title: \_\_\_\_\_  
*(typed or printed)*

Date: \_\_\_\_\_  
*(typed or printed)*

Address for giving notices:

\_\_\_\_\_  
\_\_\_\_\_

Bidder's Contact:

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

Title: \_\_\_\_\_  
*(typed or printed)*

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

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

Bidder's Contractor License No.: (if applicable) \_\_\_\_\_

# **ATTACHMENT 5**

**Revised Section 01250 – Measurement & Payment**

Section 01250

Measurement and Payment

PART 1 - GENERAL

1.01 METHOD OF MEASUREMENT AND BASIS OF PAYMENT

- A. All measurements for payments will be based on completed work performed in strict accordance with the drawings and specifications, and on the contract bidding and payment item schedules. All work completed under the contract will be measured by the Owner according to the methods outlined below. In cases where the payment clause in the specifications relating to any unit or lump sum price stated in the contract requires that the said unit or lump sum price cover and be considered compensation for certain work or material essential to the item, this same item will not be measured or paid for under any other pay item which may appear elsewhere in the specifications.
- B. The Contractor, in case of unit price items measured for payment, shall be paid for the actual amount of work accepted and for the actual amount of materials in place. At the end of each day's work, the Contractor's authorized representative shall meet with the Owner's representative and determine the quantities of unit price work accomplished or completed during the work day. The Owner's representative will then prepare two "Daily Quantity Reports" which shall be signed by both the Contractor's representative and the District's representative. These completed forms will provide the basis for the Contractor's partial payment requests. Items not appearing on the Daily Quantity Report will not be included for payment.

1.02 INCIDENTAL WORK

- A. Incidental work items for which separate payment is not made include (but are not limited to) the following items:
  - 1. Dewatering
  - 2. Dust Control
  - 3. Erosion control
  - 4. Traffic control plan
  - 5. Construction signs
  - 6. Trench boxes, steel and/or wood sheeting as required, including that left in place
  - 7. Clean-up
  - 8. Loaming and seeding
  - 9. Restoration of property
  - 10. Repair and replacement of utilities damaged by construction activity and corresponding proper disposal of removed materials
  - 11. Crossing other utilities
  - 12. Bonds, insurance, shop drawings, warranties and other submittals required by the contract documents
  - 13. Temporary construction and other facilities not to be permanently incorporated into the work necessary for construction sequencing and maintenance of operations. Inclusive of but not limited to temporary water supply system and pavement restoration of temporary water supply system trenches outside the limits of payment for pavement associated with permanent water infrastructure replacements.
  - 14. Permits not otherwise paid for or provided by the Owner

15. Facilities for storage of materials to be incorporated into the Work
16. Test pits to determine existing utility locations, soil conditions, and as required to complete the Work
17. Excavation under/near and/or crossing other utilities, including any equipment/supports required for that work
18. Assessment of potential obstructions to project work (e.g., existing pipes, services, conduits, ducts, sewers, etc.) and all arrangements with owners of those obstructions to allow for the project work to take place.
19. Protection of existing trees, buildings, structures, and utilities (both public and private) including poles, signs, services to buildings, buried utilities, gas pipes, water pipes, hydrants, sewers, drains, and electric and telephone cables, whether or not they are shown on the Drawings. The Contractor shall carefully support and protect all such structures and utilities from injury of any kind.
20. Mobilization/demobilization.
21. Clearing, grubbing, and stripping.
22. Saw cutting, removal, and disposal of existing pavement.
23. Resetting or replacement of existing street signs
24. Pre-construction photographs/videos (as necessary).

### 1.03 PAYMENT ITEMS

#### A. Item W1 - HDPE Water Main

1. Method of Measurement: Linear feet as measured along the centerline of the pipe for the actual number of linear feet of pipe and fittings installed.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for installation of pipe via pipe bursting including clearing, excavating, shoring and bracing, dewatering, pipe, fittings, bedding, laying and jointing, testing, fusing, removing and disposing of existing pipe and appurtenances that are being replaced, connections to existing mains and services that are remaining, select backfill, backfilling up to bottom of subbase gravel and compaction of placed materials and associated work as specified and shown on the Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Pavement: Installation - 80%, Testing - 20%

#### B. Item W2 - Ductile Iron Water Main

1. Method of Measurement: Linear feet as measured along the centerline of the pipe for the actual number of linear feet of pipe and fittings installed.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for clearing, excavating, shoring and bracing, dewatering, pipe, polyethylene encasement, fittings, laying and jointing, connections to existing piping, removal and disposal of existing piping and appurtenances, capping existing pipes that are not removed, thrust restraint, select backfill, backfilling, testing, restoration and associated work as specified and shown on the Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation – 80%, Testing – 20%,

C. Item W3 - PVC Water Main

1. Method of Measurement: Linear feet as measured along the centerline of the pipe for the actual number of linear feet of pipe and fittings installed.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for clearing, excavating, shoring and bracing, dewatering, pipe, ductile iron fittings, bedding, laying and jointing, testing, removing and disposing of existing pipe and appurtenances that are being replaced, connections to existing mains and services that are remaining, select backfill, backfilling up to bottom of subbase gravel and compaction of placed materials and associated work as specified and shown on the Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation - 80%, Testing - 20%

D. Items W4 to W5 - Gate Valves

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, valve, valve box, abandoning/removing existing valves, select backfill, backfilling, testing and associated work as specified and shown on Drawings.
3. Schedule of Payment: Installation – 100%

E. Item W6 - Insertion Valves

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, valve, valve box, concrete base support, select backfill, backfilling, testing and associated work as specified and shown on Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation – 100%

F. Item W7 - Mainline Tapping Sleeve & Gate Valve Installation

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, tapping sleeve, tapping valve, installation of tapping sleeve, valve box, polyethylene wrap, select backfill, backfilling, testing, cleanup (loam/seed and/or sidewalk restoration), and associated work as specified and shown on Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation – 100%

G. Item W8 - Hydrant Assembly

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, tapping sleeve, 6-inch hydrant control valve, valve box, 6-inch ductile iron pipe, hydrant, fittings, hydrant extensions (if required), restrained joint gaskets (if necessary), removal and disposal of existing hydrant and appurtenances, thrust blocks, polyethylene wrap, select backfill, backfilling, testing, cleanup (loam/seed and/or sidewalk restoration), and associated work as specified and shown on Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation – 100%

H. Item W9 - Air Release Valve

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, valve, fittings, valve box, select backfill, backfilling, testing, cleanup, and associated work as specified and shown on Drawings.
3. Schedule of Payment: Installation – 100%

I. Items W10 to W11 - Copper Services

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, pipe, corporation, fittings, connection to existing service, service box, rod, curb stop, select backfill, backfilling, testing, cleanup (loam/seed and/or sidewalk/curb restoration), and associated work as specified and shown on Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Payment: Installation – 100%

J. Item W12 - Ductile Iron Services

1. Method of Measurement: Each.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, tapping sleeve, pipe, tee, fittings, connection to existing service, service gate valve, restrained joint gaskets (if necessary), polyethylene wrap, select backfill, backfilling, testing, cleanup (loam/seed and/or sidewalk/curb restoration), and associated work as specified and shown on Drawings. Separate payment shall be made for aggregate subbase gravel, aggregate base gravel, and Hot Mix Asphalts.
3. Schedule of Pavement: Installation - 100%

K. Item W13 - Gravel Borrow

1. Method of Measurement: Cubic yards as measured in place for the actual number of yards of gravel borrow installed.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, installation and compaction of gravel borrow as directed by the Owner to replace unsuitable excavated material.
3. Schedule of Payment: Installation - 100%

L. Item W14 - Unsuitable Material Excavated Below Pipe Grade

1. Method of Measurement: Cubic yard as measured in place prior to removal for the actual number of cubic yards excavated within the limits shown on the Drawings and directed by the Owner.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for removing unsuitable material excavated below trench grade and replacing with select backfill as directed by the Owner.
3. Schedule of Payment: Excavation - 100%

M. Item W15 - Rock Excavation

1. Method of Measurement: Cubic yard as measured in place prior to removal for the actual number of cubic yards excavated within the pay limits shown on the Drawings and directed by the Owner. Boulders less than two cubic yards in volume will not be measured for payment.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for excavation, shoring and bracing, dewatering, excavation, select backfill replacement, erosion control, cleanup and associated work as specified and shown on the Drawings.
3. Schedule of Payment: Excavation - 100%

N. Item W16 - Aggregate Subbase Course Type D

1. Method of Measurement: Cubic yards as measured in place for the actual number of yards of Aggregate Subbase Course Type D installed.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for installation grading, and compaction of Aggregate Subbase Course Crushed (MDOT 703.06c) used for trench repair within the pay limits within the trench repair areas indicated on the drawings.
3. Schedule of Payment: Installation - 100%

O. Item W17 - Aggregate Base Course Type A

1. Method of Measurement: Cubic yards as measured in place for the actual number of yards of Aggregate Base Course Type A installed.

2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for installation grading, and compaction of Aggregate Base Course Crushed (MDOT 703.06a) used for trench repair within the pay limits within the trench repair areas indicated on the drawings.
3. Schedule of Payment: Installation - 100%

P. Items W18 & W19 - Hot Mix Asphalt (HMA) [19MM and 9.5MM]

1. Method of Measurement: The volume will be measured in place for the actual quantity of paving installed within the pay limits within the trench repair areas indicated on the drawings (including temporary pavement as required to maintain the roadway, max depth of two (2) inches). The total paving volume will be converted to weight in tons by the following formula for payment under these bid items:

$$\begin{array}{ccccccc} \text{Paving Area} & \text{X} & \text{Paving Thickness} & \text{X} & 0.06 & = & \text{Paving Weight} \\ \text{(square yards)} & & \text{(inches)} & & & & \text{(tons)} \end{array}$$

2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for placing hot bituminous pavement, milling, clean up and associated work as specified and shown on the Drawings. A price adjustment (up or down) based on the variance in costs for performance graded binder will be made for this item and calculated with the following formula (based on MDOT special provision section 108.). There shall be no minimum tonnage of HMA required to apply for escalation.

Price adjustment = (# of tons) x (period price - base price) x [asphalt factor]

Base Price = The price of the PG binder liquid per ton that exists on the bid opening date

Period Price = The price of the PG binder liquid per ton that exists on the paving date that uses the New England Average Selling price.

% Asphalt factor = 5.2% for 19mm, 5.6% for 12.5mm and 6.2% for 9.5mm

Liquid asphalt prices shall be per Maine DOT published data.

3. Schedule of Payment: Installation - 100%

Q. Item TC1 - Traffic Control Items

1. Method of Measurement: Lump Sum.
2. Basis of Payment: Payment of the lump sum prices established in the Bid shall be full compensation for providing work zone traffic control, traffic signs, construction signs, and associated work as specified.
3. Schedule of Payment: Final Completion - 100%

R. Item TC2 - Police Detail

1. Method of Measurement: Total hours.

2. Basis of Payment: Unit price per man-hour as stated in the Bid. Payment shall include the number of hours the designated station is occupied. The number of hours authorized for payment will be measured to the nearest ¼ hour
3. Schedule of Payment: Completion of Work - 100%

S. Item FG1 - Flagging

1. Method of Measurement: Lump Sum.
2. Basis of Payment: Payment of the lump sum prices established in the Bid shall be full compensation for providing work zone flagging and associated work as specified.
3. Schedule of Payment: Final Completion - 100%

T. Item TW1 - Temporary Water System

1. Method of Measurement: Lump Sum.
2. Basis of Payment: Payment of the lump sum prices established in the Bid shall be full compensation for installation of, testing of, service connections to [including customer coordination], maintenance of, removal of, and restoration of the temporary water system including pavement restoration outside the specified limits of the water piping trench, and associated work as specified.
3. Schedule of Payment: Installation, Testing, & Service Connections Complete – 50%, Substantial Completion - 50%

U. Items L1 & L2 - Foreman & Laborer

1. Method of Measurement: Total hours.
2. Basis of Payment: Unit price per man-hour as stated in the Bid. Payment shall include wages, benefits and overhead and profit for personnel for the purpose of performing extra work at the request of the Owner.
3. Schedule of Payment: Completion of Work - 100%

V. Items L3 to L5 - Excavator, Loader, and Dump truck

1. Method of Measurement: Total hours.
2. Basis of Payment: Unit price per hour as stated in the Bid. Payment shall include equipment and operator/driver, wages, benefits, fuel and overhead and profit for the purpose of performing extra work at the request of the Owner.
3. Schedule of Payment: Completion of Work - 100%

W. Item P1 - Permitting Allowance

1. Method of Measurement: Allowances have been established for fees associated to street opening permits assessed by the municipality. The Contractor shall provide an itemized invoice from the municipality for the final permit fee amount.
2. Basis of Payment: The approved invoice amount will be subtracted from the allowance amount.
3. Schedule of Payment: Payment will be made as set forth in the General Conditions and subtracted from the allowance amount. Only the itemized invoice amount will be paid, contractor markups shall not be permitted on payments from these allowances.

PART 2 – PRODUCTS

(NOT USED)

PART 3 - EXECUTION

(NOT USED)

-- END OF SECTION --

# **ATTACHMENT 6**

Revised Sheet W1



**EXISTING AND TEMPORARY MAINS**



**PROPOSED MAINS**

**PROJECT: 487503**

**COUNTY ROAD WATER MAIN REPLACEMENT WESTBROOK, MAINE**

DATE: 04/10/2026  
REV 1 DATE: 5/5/2026  
REV 2 DATE:

DESIGN BY: AHS  
DRAWN BY: KAR

225 Douglass Street  
PO Box 3553  
Portland, Maine 04104

**Portland Water District**  
From Sebago Lake to Casco Bay

SHEET: **W1**

1. CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED PIPING AND APPURTENANCES. SALVAGE ALL REMOVED HYDRANTS AND DELIVER TO PWD YARD AT 225 DOUGLASS ST - PORTLAND.
2. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH 5.5' OF COVER MEASURED FROM PROPOSED ROAD GRADE UNLESS INDICATED OTHERWISE ON THE DRAWINGS OR APPROVED BY A PWD REPRESENTATIVE.
3. THE PORTLAND WATER DISTRICT WILL NOTIFY CUSTOMERS FOR ALL WORK INVOLVING TEMPORARY SHUTDOWN OF SERVICE. CUSTOMERS MUST RECEIVE AT LEAST 48 HOURS NOTIFICATION PRIOR TO ANY SHUTDOWN. THE DISTRICT MUST RECEIVE NOTICE FROM THE CONTRACTOR OF THE SHUTDOWN AT LEAST 4 DAYS PRIOR TO THE PROPOSED SHUTDOWN.
4. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY-WRAPPED PER SPECIFICATIONS.
5. ALL TEMPORARY WATER TO BE BURIED BELOW GRADE AT DRIVEWAYS AND ROADWAYS.
6. REMOVE ALL OLD PIPING NOT EXPLICITLY CALLED OUT FOR ABANDONMENT.
7. REPLACE ALL SERVICES TO BE RENEWED FROM MAIN TO STREET LINE WITH 1" COPPER PIPING, UNLESS OTHERWISE NOTED.
8. LOCATIONS OF UTILITIES OTHER THAN WATER ARE APPROXIMATE, AND NOT ALL UTILITIES ARE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UTILITIES DURING INSTALLATION OF THE WATER MAIN.
9. INSTALL SWIVEL TYPE TEES FOR ALL HYDRANT CONNECTIONS.
10. A SHUTDOWN INCLUDING CUSTOMER NOTIFICATION IS REQUIRED FOR INSTALLATION OF ALL CUT-IN VALVES AND FITTINGS ON EXISTING WATER MAINS.
11. ALL FITTINGS SHALL BE MECHANICAL JOINT (RETAINED).
12. REMOVE THE TOP SECTION OF ALL ABANDONED VALVE BOXES AND FILL WITH SAND.
13. INSTALL A MECHANICAL JOINT CAP ON ENDS OF ALL ABANDONED MAINS.

0 20 40 80 120 US Feet

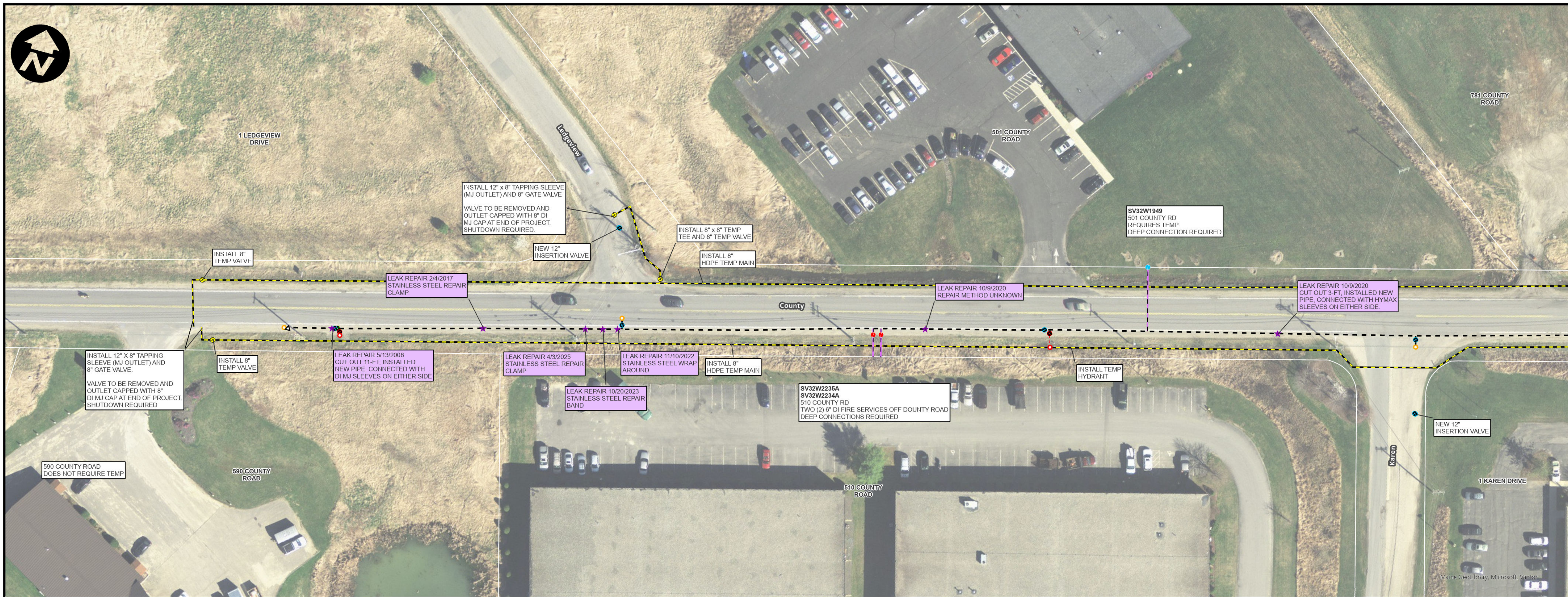
**SCALE: 1 IN = 40 FT**

**LEGEND**

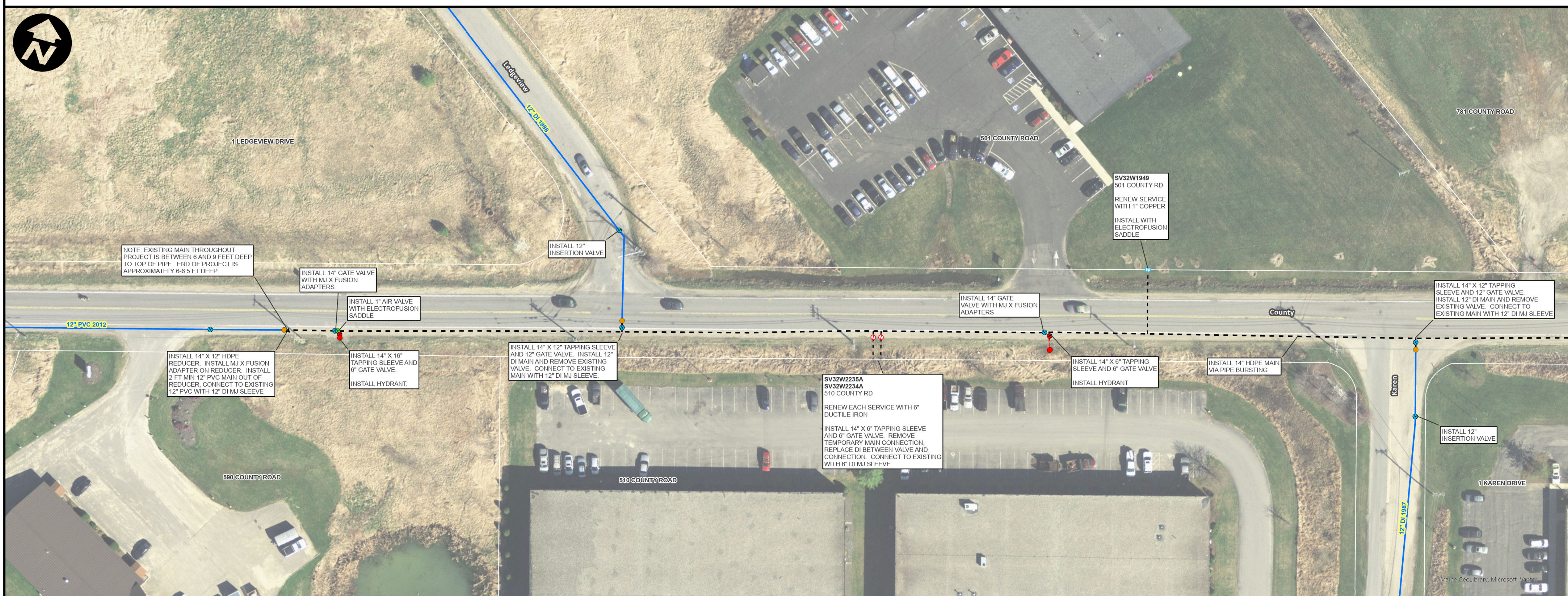
- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- TEMPORARY WATER MAIN
- PROPOSED/RENEWED SERVICE
- RECONNECT SERVICE

**ATTACHMENT 7**

Revised Sheet W2



**EXISTING AND TEMPORARY MAINS**



**PROPOSED MAINS**

1. CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED PIPING AND APPURTENANCES. SALVAGE ALL REMOVED HYDRANTS AND DELIVER TO PWD YARD AT 225 DOUGLASS ST - PORTLAND.
2. ALL MAINS AND SERVICES SHALL BE INSTALLED WITH 5.5' OF COVER MEASURED FROM PROPOSED ROAD GRADE UNLESS INDICATED OTHERWISE ON THE DRAWINGS OR APPROVED BY A PWD REPRESENTATIVE.
3. THE PORTLAND WATER DISTRICT WILL NOTIFY CUSTOMERS FOR ALL WORK INVOLVING TEMPORARY SHUTDOWN OF SERVICE. CUSTOMERS MUST RECEIVE AT LEAST 48 HOURS NOTIFICATION PRIOR TO ANY SHUTDOWN. THE DISTRICT MUST RECEIVE NOTICE FROM THE CONTRACTOR OF THE SHUTDOWN AT LEAST 4 DAYS PRIOR TO THE PROPOSED SHUTDOWN.
4. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY-WRAPPED PER SPECIFICATIONS.
5. ALL TEMPORARY WATER TO BE BURIED BELOW GRADE AT DRIVEWAYS AND ROAD WAYS.
6. REMOVE ALL OLD PIPING NOT EXPLICITLY CALLED OUT FOR ABANDONMENT.
7. REPLACE ALL SERVICES TO BE RENEWED FROM MAIN TO STREET LINE WITH 1" COPPER PIPING, UNLESS OTHERWISE NOTED.
8. LOCATIONS OF UTILITIES OTHER THAN WATER ARE APPROXIMATE, AND NOT ALL UTILITIES ARE SHOWN. THE CONTRACTOR IS RESPONSIBLE FOR LOCATING, SUPPORTING AND PROTECTING ALL UTILITIES DURING INSTALLATION OF THE WATER MAIN.
9. INSTALL SWIVEL TYPE TEES FOR ALL HYDRANT CONNECTIONS.
10. A SHUTDOWN INCLUDING CUSTOMER NOTIFICATION IS REQUIRED FOR INSTALLATION OF ALL CUT-IN VALVES AND FITTINGS ON EXISTING WATER MAINS.
11. ALL FITTINGS SHALL BE MECHANICAL JOINT (RETAINED).
12. REMOVE THE TOP SECTION OF ALL ABANDONED VALVE BOXES AND FILL WITH SAND.
13. INSTALL A MECHANICAL JOINT CAP ON ENDS OF ALL ABANDONED MAINS.

PROJECT: **487503**

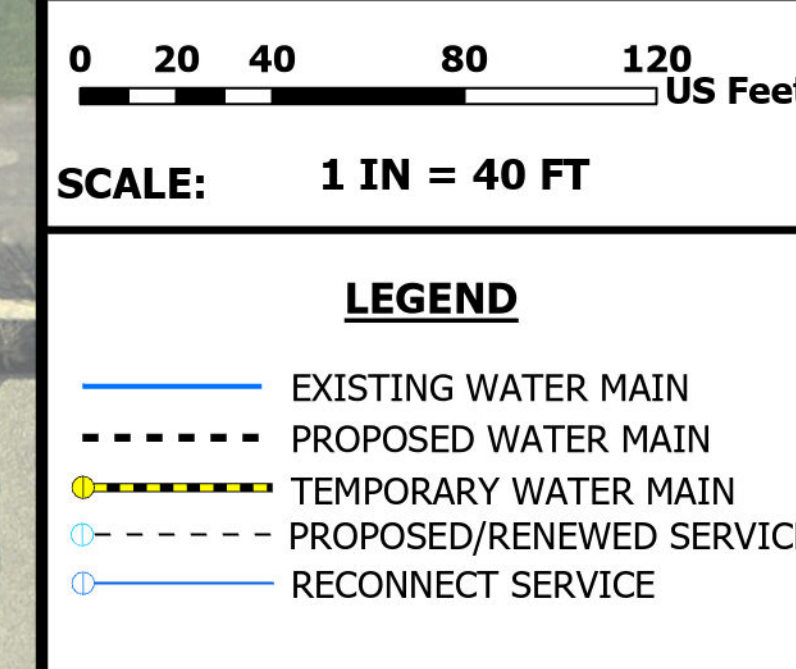
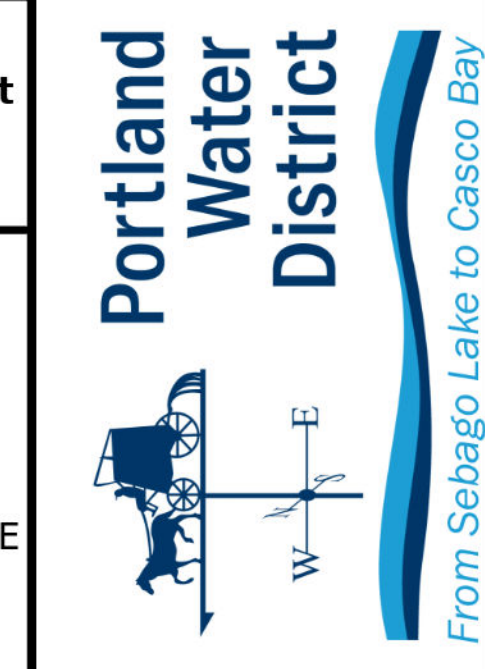
**COUNTY ROAD  
WATER MAIN REPLACEMENT  
WESTBROOK, MAINE**

DATE: 04/10/2026  
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REV 2 DATE:

DESIGN BY: AHS  
DRAWN BY: KAR

225 Douglass Street  
PO Box 3553  
Portland, Maine 04104



SHEET: **W2**