

**Portland
Water
District**

From Sebago Lake to Casco Bay

BRIDGE STREET & PIERCE STREET WATER MAIN REPLACEMENT

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

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

DATE: FEBRUARY 20, 2025

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

SPECIFICATION UPDATES

1. **Section 00410 – Bid Form.** Hydrant reconnect, Hydrant Removal, and Police Detail added as bid items. Estimated quantity of Base Pavement adjusted.
2. **Section 01250 – Measurement & Payments.** Hydrant reconnect, Hydrant Removal, and Police Detail bid item descriptions added.

DRAWINGS

1. **Sheet W1.** Hydrant reconnect callout added.
2. **Sheet W3.** Temp main split and connection to hydrant defined.

ATTACHMENTS

1. Project Question Log
2. Section 00410 – Bid Form - Revised
3. Section 01250 – Measurement & Payments - Revised
4. Sheet W1 - Revised
5. Sheet W3 - Revised

Portland Water District

Pierce & Bridge – Water Main Replacement Project

Bidding – Question & Response Log

Last Revised: February 19, 2025

1. Please clarify how W17 was estimated.

- a. *The estimated bid quantity will be reduced via an addendum to reflect 4-inches of base pavement in Pierce Street. The original estimate included referenced an incorrect depth.*

2. How is the temp main configured in Kennie Street? Where is the split?

- a. *The Contractor may install a split on the main wherever they feel best suits the system. That said, PWD will revise the drawing to reflect that a split is required on Kennie in Addendum 1.*

3. Police detail required for work in Pierce?

- a. *A police detail will be required for work in Bridge Street. A detail will not be required for work in Pierce Street. The Bid Form will be updated to include an hourly rate for the required police detail in Addendum 1.*

4. Is pulling services allowed?

- a. *Yes.*

5. Is PWD supplying pipe for this project.

- a. *Yes.*

6. What type of DI pipe is being supplied?

- a. *American.*

Section 00410

Bid Form

Portland Water District

Pierce & Bridge Streets

Westbrook, Maine

2025 Water Main Replacement

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ARTICLE 1 – BID RECIPIENT

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 – BIDDER’S ACKNOWLEDGEMENTS

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

ARTICLE 3 – BIDDER’S REPRESENTATIONS

3.01 In submitting this Bid, Bidder represents that:

A. Bidder has examined and carefully studied the Bidding Documents, and any data and reference items identified in the Bidding Documents, and hereby acknowledges receipt of the following Addenda:

<u>Addendum No.</u>	<u>Addendum, Date</u>
_____	_____
_____	_____
_____	_____
_____	_____

B. Bidder has visited the Site, conducted a thorough, alert visual examination of the Site and adjacent areas, and become familiar with and satisfied itself as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

C. Bidder is familiar with and has satisfied itself as to all Laws and Regulations that may affect cost, progress, and performance of the Work.

D. 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 any Site-related reports and drawings identified in the Bidding Documents, with respect to the effect of such information, observations, and documents on (1) the cost, progress, and performance of the Work; (2) the means, methods, techniques, sequences, and procedures of construction to be employed by Bidder; and (3) Bidder’s safety precautions and programs.

E. Bidder agrees, based on the information and observations referred to in the preceding paragraph, that no further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price bid

and within the times required, and in accordance with the other terms and conditions of the Bidding Documents.

- F. 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.
- G. Bidder has given Engineer written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and confirms that the written resolution thereof by Engineer is acceptable to Bidder.
- H. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance and furnishing of the Work.
- I. The submission of this Bid constitutes an incontrovertible representation by Bidder that Bidder has complied with every requirement of this Article, and that without exception the Bid and all prices in the Bid are premised upon performing and furnishing the Work required by the Bidding Documents.

ARTICLE 4 – BIDDER’S CERTIFICATION

4.01 Bidder certifies that:

- A. 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;
- B. Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid;
- C. Bidder has not solicited or induced any individual or entity to refrain from bidding; and
- D. Bidder has not engaged in corrupt, fraudulent, collusive, or coercive practices in competing for the Contract. For the purposes of this Paragraph 4.01.D:
 - 1. “corrupt practice” means the offering, giving, receiving, or soliciting of any thing of value likely to influence the action of a public official in the bidding process;
 - 2. “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;
 - 3. “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; and
 - 4. “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.

ARTICLE 5 – BASIS OF BID

5.01 Bidder will complete the Work in accordance with the Contract Documents for the following price(s):

<u>Item No.</u>	<u>Description</u>	<u>Unit</u>	<u>Estimated Quantity</u>	<u>Bid Unit Price</u>	<u>Bid Price</u>
W1	12-inch Ductile Iron Water Main – Pipe Supplied by Owner	LF	1940	\$	\$
W2	8-inch Ductile Iron Water Main – Pipe Supplied by Owner	LF	40	\$	\$
W3	6-inch Ductile Iron Water Main – Pipe Supplied by Owner	LF	6	\$	\$
W4	12-inch Gate Valve	EA	6	\$	\$
W5	8-inch Gate Valve	EA	3	\$	\$
W6	6-inch Insertion Valve	EA	2	\$	\$
W7	Hydrant Install	EA	5	\$	\$
W8	Hydrant Reconnect (221 Bridge St)	EA	1	\$	\$
W9	Hydrant Remove (95 Pierce St)	EA	1	\$	\$
W10	1-inch Air Release Valve	EA	2	\$	\$
W11	1-inch Copper Service – Short Side	EA	18	\$	\$
W12	1-inch Copper Service – Long Side	EA	11	\$	\$
W13	1-inch Copper Service – Reconnect	EA	2	\$	\$
W14	Gravel Borrow	CY	225	\$	\$
W15	Unsuitable Material Excavated Below Grade	CY	50	\$	\$
W16	Rock Excavation	CY	125	\$	\$
W17	Aggregate Subbase Course Type D	CY	575	\$	\$
W18	Aggregate Base Course Type A	CY	175	\$	\$
W19	HMA Binder Course - 19MM	TON	550	\$	\$
W20	HMA Surface Course - 9.5MM	TON	75	\$	\$
W21	Raised Sidewalk Reconstruction	SY	72	\$	\$

TP1	Test Pit – Bridge St	LS	1	\$	\$
TC1	Traffic Control	LS	1	\$	\$
TC2	Police Detail	HR	100	\$	\$
FG1	Flagging	LS	1	\$	\$
TW1	Temporary Water System	LS	1	\$	\$
L1	Foreman	HR	5	\$	\$
L2	Laborer	HR	5	\$	\$
L3	Excavator & Operator	HR	5	\$	\$
L4	Loader & Operator	HR	5	\$	\$
L5	Dump Truck & Driver	HR	5	\$	\$
P1	Permitting Allowance	LS	1	\$ 40,000.00	\$
TOTAL OF ALL BID PRICES:					\$

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 Bid items will be based on actual quantities, determined as provided in the Contract Documents.

ARTICLE 6 – TIME OF COMPLETION

- 6.01 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.
- 6.02 Bidder accepts the provisions of the Agreement as to liquidated damages.

ARTICLE 7 – ATTACHMENTS TO THIS BID

- 7.01 The following documents are submitted with and made a condition of this Bid:
- A. Required Bid security;

ARTICLE 8 – DEFINED TERMS

- 8.01 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 9 – BID SUBMITTAL

BIDDER: *[Indicate correct name of bidding entity]*

By:
[Signature] _____

[Printed name] _____
(If Bidder is a corporation, a limited liability company, a partnership, or a joint venture, attach evidence of authority to sign.)

Attest:
[Signature] _____

[Printed name] _____

Title: _____

Submittal Date: _____

Address for giving notices:

Telephone Number: _____

Fax Number: _____

Contact Name and e-mail address: _____

Bidder's License No.: _____
(where applicable)

NOTE TO USER: Use in those states or other jurisdictions where applicable or required.

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. Items W1 to W3 - 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, 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. Price shall include coordination with Owner regarding pickup of pipe at Owner's Pit as well as hauling pipe from Pit to jobsite.
3. Schedule of Payment: Installation – 80%, Testing – 20%,

B. Items W4 & 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%

C. 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%

D. Item W7 - 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, 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%

E. Item W8 - Hydrant Reconnect

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, 6-inch hydrant control valve, valve box, 6-inch ductile iron pipe, fittings, 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%

F. Item W9 - Hydrant Removal

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, removal and disposal of existing hydrant and appurtenances, select backfill, backfilling, 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: Completion – 100%

G. Item W10 - Air Release 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, fittings, valve box, select backfill, backfilling, testing, cleanup, and associated work as specified and shown on Drawings.
3. Schedule of Payment: Installation – 100%

H. Items W11 & W12 - 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%

I. Item W13 – Reconnect 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, select backfill, backfilling, testing, and associated work as specified and shown on Drawings.
3. Schedule of Payment: Installation – 100%

J. Item W14 - 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%

K. Item W15 - 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%

L. Item W16 - 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%

M. Item W17 - 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%

N. Item W18 - 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%

O. Items W19 & W20 - 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. The total paving volume will be converted to weight in tons by the following formula for payment under these bid items:

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

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 prices are found at:

<http://www.maine.gov/mdot/contractors/bidderinfo/asphalt.shtml>

3. Schedule of Payment: Installation - 100%

P. Item W21 - Raised Sidewalk Reconstruction

1. Method of Measurement: Square yards as measured in place for the actual number of yards of raised sidewalk restored.
2. Basis of Payment: Payment of the unit price established in the Bid shall be full compensation for placing hot bituminous pavement as outlined in the associated detail, clean up, and associated work as specified and shown on the Drawings.
3. Schedule of Payment: Installation - 100%

Q. Item TP1 - Test Pit

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 conducting test pits as outlined in the drawings including backfilling and temporary pavement.
3. Schedule of Payment: Completion of Work - 100%

R. Item TC1 - Traffic Control

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%

S. 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%

T. 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%

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 Allowances

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.

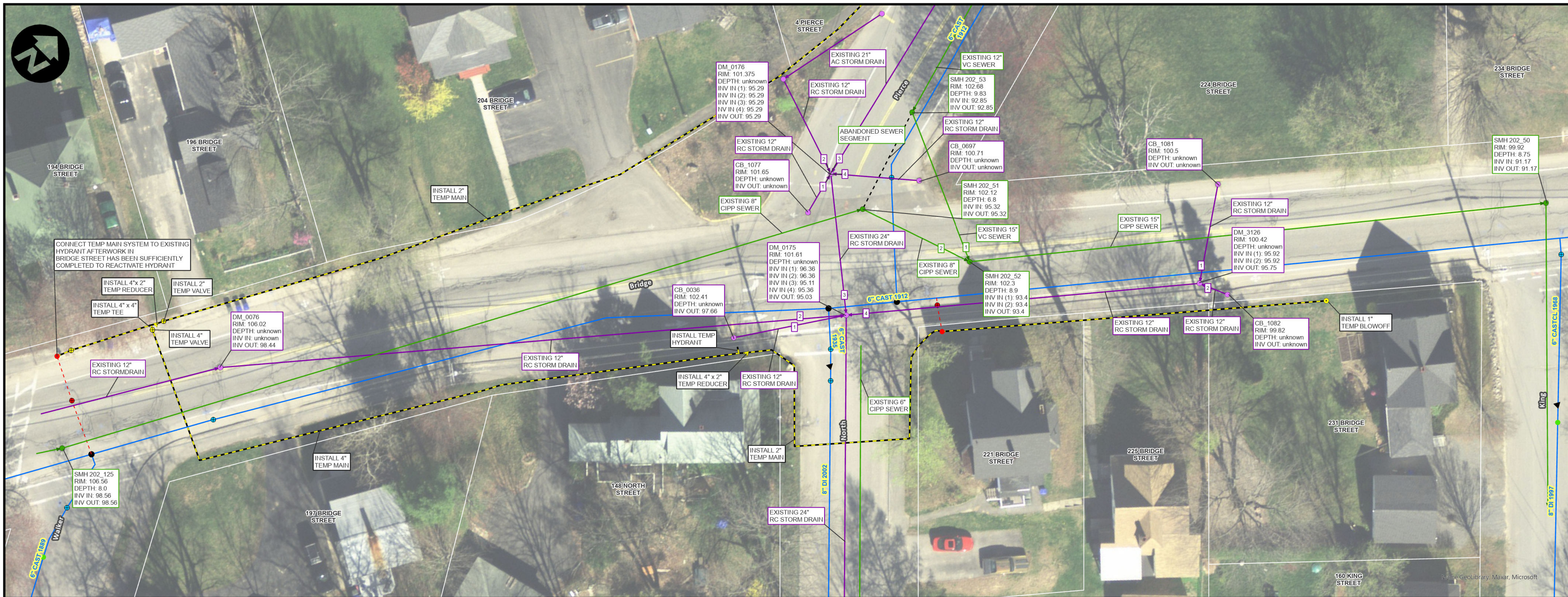
PART 2 – PRODUCTS

(NOT USED)

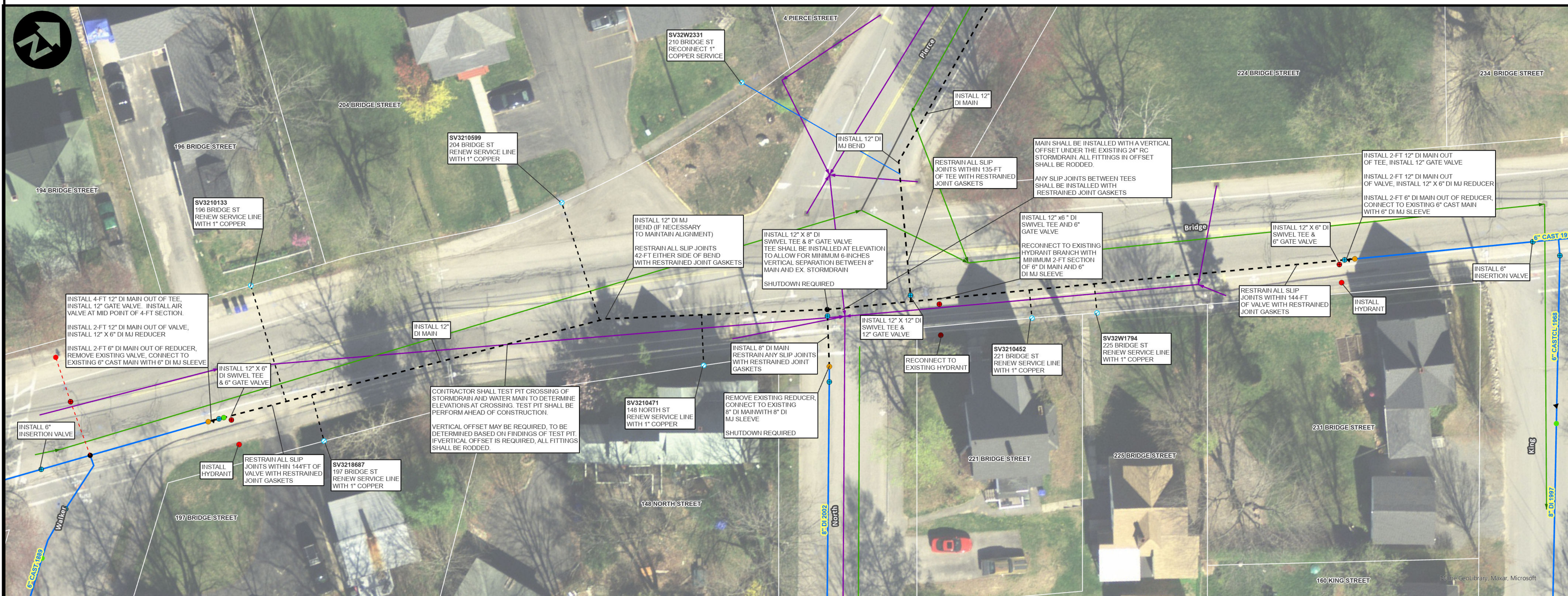
PART 3 - EXECUTION

(NOT USED)

-- END OF SECTION --



EXISTING AND TEMPORARY MAINS



PROPOSED MAINS

<p>NOTES</p> <ol style="list-style-type: none"> CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED PIPING AND APPURTENANCES. SALVAGE ALL REMOVED HYDRANTS AND DELIVER TO PWD YARD AT 225 DOUGLASS ST - PORTLAND. 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. 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. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY-WRAPPED PER SPECIFICATIONS. ALL TEMPORARY WATER TO BE BURIED BELOW GRADE AT DRIVEWAYS AND ROAD WAYS. REMOVE ALL OLD PIPING NOT EXPLICITLY CALLED OUT FOR ABANDONMENT. REPLACE ALL SERVICES TO BE RENEWED FROM MAIN TO STREET LINE WITH 1" COPPER PIPING, UNLESS OTHERWISE NOTED. 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. INSTALL SWIVEL TYPE TEES FOR ALL HYDRANT CONNECTIONS. A SHUTDOWN INCLUDING CUSTOMER NOTIFICATION IS REQUIRED FOR INSTALLATION OF ALL CUT-IN VALVES AND FITTINGS ON EXISTING WATER MAINS. ALL FITTINGS SHALL BE MECHANICAL JOINT (RETAINED). REMOVE THE TOP SECTION OF ALL ABANDONED VALVE BOXES AND FILL WITH SAND. INSTALL A MECHANICAL JOINT CAP ON ENDS OF ALL ABANDONED MAINS. 	<p>PROJECT: 526550</p>
	<p>DATE: 01/30/2025</p> <p>REV 1 DATE: 2/19/2025</p> <p>REV 2 DATE:</p>
	<p>DESIGN BY: AHS</p> <p>DRAWN BY: KAR</p>

**PIERCE STREET AND
NASON AVENUE
WATER MAIN REPLACEMENT
WESTBROOK, MAINE**

0 10 20 40 60 US Feet

SCALE: 1 IN = 20 FT

LEGEND

- EXISTING WATER MAIN
- PROPOSED WATER MAIN
- TEMPORARY WATER MAIN
- PROPOSED/RENEWED SERVICE
- RECONNECT SERVICE
- SEWER
- STORM DRAIN

225 Douglass Street
PO Box 3553
Portland, Maine 04104

Portland Water District
From Sebago Lake to Casco Bay

SHEET: **W1**



EXISTING AND TEMPORARY MAINS



PROPOSED MAINS

NOTES		PROJECT: 526550
<ol style="list-style-type: none"> CONTRACTOR SHALL DISPOSE OF ALL EXCAVATED PIPING AND APPURTENANCES. SALVAGE ALL REMOVED HYDRANTS AND DELIVER TO PWD YARD AT 225 DOUGLASS ST - PORTLAND. 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. 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. ALL DUCTILE IRON PIPE AND FITTINGS SHALL BE POLY-WRAPPED PER SPECIFICATIONS. ALL TEMPORARY WATER TO BE BURIED BELOW GRADE AT DRIVEWAYS AND ROADWAYS. REMOVE ALL OLD PIPING NOT EXPLICITLY CALLED OUT FOR ABANDONMENT. REPLACE ALL SERVICES TO BE RENEWED FROM MAIN TO STREET LINE WITH 1" COPPER PIPING, UNLESS OTHERWISE NOTED. 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. INSTALL SWIVEL TYPE TEES FOR ALL HYDRANT CONNECTIONS. A SHUTDOWN INCLUDING CUSTOMER NOTIFICATION IS REQUIRED FOR INSTALLATION OF ALL CUT-IN VALVES AND FITTINGS ON EXISTING WATER MAINS. ALL FITTINGS SHALL BE MECHANICAL JOINT (RETAINED). REMOVE THE TOP SECTION OF ALL ABANDONED VALVE BOXES AND FILL WITH SAND. INSTALL A MECHANICAL JOINT CAP ON ENDS OF ALL ABANDONED MAINS. 		
DATE: 01/30/2025		
REV 1 DATE: 2/19/2025		
REV 2 DATE:		
DESIGN BY: AHS		
DRAWN BY: KAR		
225 Douglass Street PO Box 3553 Portland, Maine 04104		
0 10 20 40 60 US Feet SCALE: 1 IN = 20 FT		
LEGEND ——— EXISTING WATER MAIN - - - - - PROPOSED WATER MAIN TEMPORARY WATER MAIN PROPOSED/RENEWED SERVICE RECONNECT SERVICE SEWER STORM DRAIN		
SHEET:		W3