



CITY OF PROVIDENCE, RHODE ISLAND

**Department: Providence Water**

**RFP Title: Replacement & Rehabilitation of Water Mains & Appurtenances within Lower South Providence -North Section - Contract 1-25**

**Opening Date: 03/10/2025**

**Addendum #: 1**

**Issue Date: 02/13/2025**

The purpose of this addendum is to extend the opening date and provide additional information.

BID OPENING IS RESCHEDULE TO MARCH 10TH, 2025. This Addendum No. 1, including all referenced attachments, modifies, amends, and supplements designated parts of the Contract Documents for the abovereferenced project and shall be considered part of the Contract Documents as provided in the "Instructions to Bidders" for the project.



February 14<sup>th</sup>, 2025

**CONTRACT 1-25  
LOWER SOUTH PROVIDENCE  
NORTH SECTION, RI**

**ADDENDUM NO. 1**

The Hon. Brett P. Smiley  
Mayor

Ricky Caruolo  
General Manager

**FEBRUARY 24<sup>TH</sup>, 2025 – BID OPENING IS RESCHEDULE TO  
MARCH 10<sup>TH</sup>, 2025**

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

Please acknowledge receipt of this Addendum by inserting its number and date on **page 6 of 16** from the Board of Contract and Supply Terms and Requirements for Bidding - section. Failure to do so may subject the Bidder to disqualification.

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

**Attachments**

The following attachments are included with this Addendum:

1. Prebid Meeting Minutes dated Tuesday, February 4<sup>th</sup>, 2025.
2. 00000---BCS Terms & Requirements for Bidding.
3. 00100---Invitation to Bid.
4. Specification Section 00410 – Bid Schedule.
5. Specification Section 01025 – Measurement and Payment.
6. Appendix A – Bid Plans – Revision 1.
7. Appendix I – Contract Area Distribution Map.

**Written Questions, Concerns, and Comments Submitted**

1. **SHEET 3 - What is the size of the Valve S40.074 in the contract drawings?**

An 8-inch gate valve; the procedure requires the closure of the 30-inch water main.

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**MEMBER**

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- 2. SHEET 3 – Inter Public @ Hilton – we are to remove the 6” gate valve. Q: Are we replacing it with a new 6” gate?**

The scope of work requires solely the removal of the existing 6-inch gate valve. No replacement with a new 6-inch gate valve is specified.

- 3. SHEET 4 – On Public St Across from #302 it says remove existing tee. It’s a 30” tee. Q: No 30” bid items. Please advise.**

There is no need to modify the 30-inch main. Instead, the existing tee will be capped with a plugged stub. Please note that changes have been made in the bid plans to reflect this update.

- 4. SHEET 5 - #20 Miner St has a 6-inch copper service; is this correct?**

No, the correct material for this service is ductile iron (DI). The necessary corrections have been made in the bid plans.

- 5. SHEET 7 - Do the intersections include cross-sections?**

There are no cross-sections at these intersections, as the pipes have different elevations. Labels have been added to the bid plans for clarification.

- 6. BID Schedule - Item 20 - Abandoned Lead Service – Removed – How will it be paid?**

Removal of CNU lead service will be paid per linear foot removed. Proceed with excavation only if a curb stop is present.

- 7. BID Schedule - Item 28 - Lead Service Replacement within Private Property ONLY.**

Most customers in this area have lead-free service on the public side. If the owner opts to replace their lead service on the private side, the decision is at their discretion. Subsequently, a decision will be made between the contractor and the LSR Program contractor regarding which party will be responsible for carrying out the replacement.

- 8. Is there a limit on the number of linear feet for the bypass phases?**

Generally, there is no strict legal limit established; however, several factors influence the planning process, which should be carefully considered. We anticipate that this project will be carried out in multiple phases, in accordance with the specifications outlined in Section 05800, "Temporary Bypass Piping and Services". Bypass plans will be subject to review and approval by the Owner.

- 9. Is it required to be registered for the Apprenticeship Program before bidding on the project?**

Yes, it is a state requirement, and all parties must sign up prior to bidding. This requirement is stipulated in our Section 00800 Supplementary Conditions – Rules and Regulations Relating to Prevailing Wages, under item 20, A) Bidding, iii. Please ensure that all necessary registration procedures are completed prior to submitting your bid.

**10. I know the schedule was discussed in the meeting and I was just hoping for some additional clarification. Page 13 of 16 states project schedule is 1.1.25 to 1.31.26. Section 00100-2 states failure to complete by 2nd Friday of Nov 2025 is \$5,500/day liquidated damages. In the meeting it was stated that construction must be complete in 2025, and paving could be done in 2026, which makes sense to us. Please let us know what you anticipate the project time/duration will be.**

The project is anticipated to be completed within two years. The 2025 construction season will address all water main and service-related work, while permanent restoration is scheduled for 2026. Additionally, corrections have been made to Section 00100, Invitation to Bid on Page 2. These revisions have been incorporated into the addendum for clarification.

**11. Where is the milling and paving going to take place and do we need to replace speed bumps when encountered?**

Yes, if necessary, replacement of speed bumps encountered during the milling and paving process will be paid on a time and materials basis.

**12. Are there any streets in this contract with concrete road base? If so, please identify.**

Based on the current project documentation, we do not expect any streets within this contract to have a concrete road base. However, it is possible that a concrete road base may be encountered on Eddy St.

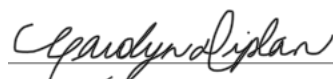
**13. You said we may need to work off-hour shifts. Could you tell us when and where you expect the contractor to work night shifts.**

The requirement for off-hour shifts, including night work, will depend on the specific area and the nature of the work to be performed. Should a shutdown for asset replacement be necessary in an area with a school, a hospital, a high concentration of residents, or along a high-traffic street, night shifts may be required to minimize disruption.

All other provisions of the project shall remain as stated in the original Contract Documents.

Respectfully,

**PROVIDENCE WATER**



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Carolyn Diplan  
Project Engineer

**PROVIDENCE WATER  
2025 CONSTRUCTION SEASON  
Replacement & Rehabilitation of Water Mains and Appurtenances**

**CONTRACT 1-25  
LOWER SOUTH PROVIDENCE – NORTH SECTION**

**PRE-BID CONFERENCE MEETING  
*MINUTES***

**Date:** February 4<sup>th</sup>, 2025, **Time:** 9:00 AM

**Location:** Microsoft Teams Online Meeting Platform, PW EOC Conference Room

*Attendees: Michael Biszko (Biszko), Alan Biszko (Biszko), Steve Spadoni (Dewcon Inc), John A. Spadoni (Dewcon Inc), Ryan Dewey (Dewcon Inc), Dave Walsh (W. Walsh), Steve Walsh (W. Walsh), Chris Walsh (W. Walsh), Ian Yaple (EJP), Daniel Ksiazar (Azura Water Solutions), Seth O'Conner (PW), Norm Ripstein (PW), Matt Gallant (PW) and Carolyn Diplan (PW).*

**A. General Note:**

All attendees expressly understand it that if there are any inadvertent conflicts in this Pre-Bid Conference with the project Drawings and Specifications, that the Drawings and Specifications and any issued Addenda shall govern.

**B. Opening Remarks:**

1. This is the Pre-Bid Conference for the following Providence Water 2025 Contract:
  - a. Replacement & Rehabilitation of Water Mains and Appurtenances within Lower South Providence – North Section, Providence, Contract 1-25.
    - (PW Project No. 20251)
    - **Lower South Providence – North Section**, Providence, RI
    - Rehabilitation Method – **Cleaning and Lining**

**Bidders are directed to refer to the contractor qualification requirements in “Section 00200 – Instructions to Bidders, Article 3 - Qualifications of Bidders”.**

2. Bidders are advised that the contract documents may be obtained by contacting the City Purchasing Department, as follows:

City Clerk. Room 311  
Providence City Hall  
25 Dorrance St  
Providence, RI 02903  
401-680-5264

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON Replacement & Rehabilitation of Water Mains and Appurtenances

Please direct questions relative to the bid opening, bidding process, forms, and how to submit a bid package to the City Clerk. Please use the subject line “Replacement/Rehab of Water Mains and Appurtenances Lower South Providence – North Section, Providence Contract 1-25”. **To obtain a complete bid package please contact the City Clerk using the information listed above.**

3. Questions regarding the Contract Specifications are to be directed in writing to both Mr. Norman Ripstein and Mrs. Carolyn Diplan, by email at [normanr@provwater.com](mailto:normanr@provwater.com) and [carolynd@provwater.com](mailto:carolynd@provwater.com). **Addenda** will be issued to include the proceedings of this Pre-Bid Conference, all questions received by specified deadlines, and will address any changes or clarifications made during the bidding period. All inquiries must be submitted in writing and transmitted via e-mail. For **Contract 1-25, Lower South Providence - North Section, Providence**, the deadline for inquiries and questions from the Contractors is **Wednesday, February 12th, 2025**, an addendum will be issued no later than **Friday, February 14th, 2025**.
4. The Attendees List and Minutes/Meeting Report for this Pre-Bid Conference will be sent via e-mail to all meeting attendees, and vendors who have taken out the contract documents from Providence City Hall and will be issued in an addendum.
5. It is the responsibility of all potential bidders to make sure they have received all **Addenda** prior to bidding that and their bids are received on time and at the location listed above.
6. Bids will be received by the Department of the City Clerk, City Hall, Providence, Rhode Island, until **2:00 P.M.**, on **Monday, February 24th, 2025**. At 2:15 PM, the Bids will be public opened and read aloud in the City Council conference room on the Third Floor of City Hall.
7. Project Schedule: Reference is made to Section 00100, Invitation to Bid, of the Contract Specifications, regarding the intent to award a two (2) years contract for **CONTRACT 1-25**.
  - **Bidders are not restricted from bidding on multiple contracts and may bid on all the upcoming 2025 contracts if they so choose.**
  - All water main and service-related work, including **full depth asphalt restoration of street excavations** shall be completed during the **2025** construction season. The intent is to complete as much permanent restoration (**sidewalks, loam & seeding grassy areas, and mill and overlay of street sections-disturbed during construction operations**) within the 2026 construction season. All excavations opened within a construction season must have restoration completed before the winter closeout of that construction season, and/or as directed by Providence Water.

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON

### Replacement & Rehabilitation of Water Mains and Appurtenances

- Per Providence Water policy and per the contract specifications, all temporary by-pass must be removed prior to the winter closeout date (**the second Friday of November (14<sup>th</sup>)**).

#### 8. Water Main Project Descriptions - General Scope of Work:

- Reference the attached GIS color contract specific area maps.
- The water main rehabilitation contract area for Contract 1-25 is located within the Lower South Providence – North Section, Providence, RI with approximately **28,000 LF** of main replacement and rehabilitation.
- PW plans to rehabilitate water mains system (via cleaning and cement lining or ductile iron replacement), and replace valves, hydrants, and appurtenances within the contract limits.
- Bidders are reminded to refer to the contractor qualification requirements in “Section 00200 – Instructions to Bidders, Article 3 - Qualifications of Bidders”.

#### 9. Contract 1-25 will be funded by Providence Water through the City of Providence.

Therefore, the following requirements apply:

- **10 % / 10 % MBE/WBE**
- **Prevailing Wages Rates: Davis Bacon Act**
- **American Iron and Steel Provisions**

*\*Contractors are reminded to submit AIS Certification Letters with their Materials Submission Package, prior to start construction.*

The projects are subject to **MBE/WBE participation** by the City of Providence Minority Compliance Office. The City of Providence requires **20%** of the construction cost to be utilized for MBE/WBE companies (10% for each). Providence Water recommends that Contractors periodically contact the MBE/WBE Office and maintain records documenting their efforts to obtain and retain MBE/WBE Subcontractors for select work under these contracts.

Approval of the MBE/WBE Minority Compliance Plan by the Rhode Island Department of Administration, Office of Diversity, Equity and Opportunity (ODEO) will not be required with the bid submission. It shall be obtained prior to construction by the successful bidder. **However, it should be noted that the City of Providence Minority and Women Business Enterprise Program (MBE/WBE) forms must be completed for EVERY bid submitted and must be inclusive of ALL required signatures. Forms without all the required signatures will be considered incomplete.**

**PROVIDENCE WATER**  
**2025 CONSTRUCTION SEASON**  
**Replacement & Rehabilitation of Water Mains and Appurtenances**

**C. 2025 Contracts Overview:**

**1. General Construction Notes:**

- Zinc Coated DI: All ductile iron pipe and fittings must be zinc coated and conform to the requirements of the American Iron and Steel Act.
- Poly-encasement of the main will not be required in these contracts.
- The intent of all contracts is to fully rehabilitate the water mains within the contract work areas. For the cleaning and lining contracts, sections of mains that cannot be cleaned and lined must be replaced with ductile iron.
- Polypropylene Couplings (HARCO) shall be used for all lead to copper connections at the curb stop. If the distance from curb stop to foundation is less than 10', lead free brass couplings shall be used.
- Where traffic loops are encountered, the limits of permanent street restoration will extend to include the complete repair and restoration of these traffic control devices.
- The Contractor shall respond to all emergency calls immediately and commence emergency repair work at the job site within one (1) hour of being notified by the OWNER.
- Water mains, water services, and hydrant runouts that are disconnected from the system and abandoned in place shall be capped at ALL openings.
- A water facility shall be considered mismarked if its actual location is found to be greater than three feet from the DIGSAFE marked field location.

**2. Temporary By-pass**

- By-pass material components (including but not limited to temporary service hoses, couplings, adapters, valves, garden hose wyes, hose ends, and all other fittings and appurtenances) shall be manufactured in accordance with AWWA Standard C800 and shall be "Lead-Free" as defined for lead-free brass alloys in accordance with the ANSI/NSF-60 and ANSI/NSF-61 standards for components in contact with potable water. These products shall have the letters "NL" or "LF" cast into the main body for proper identification. Contractors should carry the appropriate costs to comply with these requirements. No additional compensation will be disbursed.
- The successful bidder must phase his bypass plan for the work area. The entire project shall not be bypassed in one continuous system. Bypass plans are subject to review and approval by OWNER.



## PROVIDENCE WATER 2025 CONSTRUCTION SEASON Replacement & Rehabilitation of Water Mains and Appurtenances

- 6-inch bypass piping shall be utilized where two (2) or more hydrants are located within the bypass system, unless a 4-inch bypass system has multiple feeder (supply) hydrants, or direct system connections. The Contractor shall always utilize 6-inch bypass piping for bypass systems that serve facilities with existing 6-inch fire services.
- If the existing hydrants that Contractor proposes for bypass piping feed hydrants are not breakaway type or are found to be operationally deficient, Contractor shall replace said hydrants at the unit cost listed in the Bid Schedule (Section 00410-Bid-Form, Item Nos. 14a and 14b) prior to installation of the bypass piping system. OWNER reserves the right to review the Contractor's proposed hydrants for bypass piping and require the Contractor to replace any existing hydrant (including those outside the limits of work) at the unit cost listed in the Bid Schedule (Section 00410-Bid-Form, Item Nos. 14a and 14b) prior to installation of the bypass piping system. The Contractor shall identify all feed hydrants on submitted bypass piping plans for OWNER's review and approval.

### 3. Valve Operation

- Except for divisional valves separating pressure zones, PW has asked all water main rehabilitation Contractors working in the system to verify that all valves are reopened before concluding work within their respective contract areas.
- All valve installations and coupling connections at work limit terminations shall be restrained to the new piping for future work in adjacent areas.

### 4. Primary Roads & Concrete Base

- In terms of payment, there is no delineation between Primary and Secondary roads in the Bid Tab. Contractors should carry the appropriate costs required to work on a congested Primary Road with multiple utilities and heavy traffic. No additional compensation will be disbursed.

### 5. Storm Water & Erosion Control

- Drainage basins/inlets must be protected with silt/sedimentation barrier and not blocked by temporary bypass. Contractor shall maintain these storm water and erosion control barriers throughout the project. Contractor will be responsible to clean drainage infrastructure if non-compliant. PW inspectors have been instructed to stop work if these sedimentation barriers are not in place or not functioning properly.
- Prior to major storm events, Contractor shall raise 4" & 6" bypass in front of drainage inlets, clean or replace the filter socks on all catch basins, and to remove the filters

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON Replacement & Rehabilitation of Water Mains and Appurtenances

entirely at low lying areas. Following these storm events, the erosion control measures removed at low points must be reinstated.

### 6. Drainage Structures

- PW previously received property damage claims that stemmed from both a major storm event and the functionality of the existing drainage system in other contract areas. Considering these recent events, PW will be recording the status and functionality of all storm water facilities during the pre-construction phase site walks conducted prior to construction kickoff for all water main projects in the future.
- The Contractor is advised to conduct their own pre-construction assessment (photographs/videos) for their own benefit and to furnish the documented conditions to PW upon request.
- Concrete truck washout shall not be discharged into, adjacent, or upstream of the drainage system.

### 7. DPW Notes & Requirements:

- Work may not begin before 7:00 am. If off-hours work is required, the contractor must seek permission in advance from both Providence Water and DPW.
- All excavations must be sawcut; tearing of pavement is not allowed.
- Any sawcut that have not been excavated or patched shall be crack sealed prior to winter shutdown.
- COMPACT in 6-inch lifts. Patches shall not deviate more than .25" above or below adjacent road grade.
- Should a sidewalk panel be disturbed or damaged (broken, chipped, sawcut, removed, etc.) during construction, the entire sidewalk panel shall be replaced as defined in the specifications. Partial sidewalk replacement or "knockouts" are not permitted. Saving the existing sidewalk panel to place back into the panel opening shall also not be permitted. Contractor shall replace entire sidewalk panel(s) within the limits of disturbance. Limits of sidewalk replacement shall be at the existing control joints of damaged and/or disturbed panels. Sidewalks shall be replaced in full accordance with all standards, requirements, details, licenses, and permits of the municipality in which the sidewalk is located.
- Temporary Paving must be completed by the end of each workday. At the discretion and approval of the municipality, plates may be allowed overnight but must be pinned and bermed. Contact Bryant Anderson, **Providence DPW Director**, before plating.

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON

### Replacement & Rehabilitation of Water Mains and Appurtenances

- Contractor shall maintain all temporary patches in a good state. The Contractor shall repair any temporary patch in the direction of the OWNER. Failure to comply will result in permit revocation.
- Bicycle and Pedestrian traffic must be maintained along streets in the project area. **A bypass must be placed to allow the access and egress of pedestrians.**
- No stockpiling of material in the public right of way.
- Equipment may not remain on roads overnight. Residents pay a premium to park along the roads. Contractors must have a storage yard offsite.
- Contractors shall not park equipment on the sidewalks.
- NO PORTAJOHNS are allowed in the public Right-Of-Way, they must be stored offsite (Contractor may tow facilities and store off site during non-working hours).
- Prior construction startup, contractors are reminded to apply for road opening permits through Cranston DPW. No work shall commence without the appropriate DPW issued permits.

#### 8. Traffic & Requirements:

- Work shall generally include traffic control: signage, flaggers, police details as needed to insure a safe workplace for workers, pedestrians, and automobile traffic.
- Proper safety precautions shall be taken including traffic cones, signage, installation barriers, barrels, cones, safety tape and other devices around the overall and individual work sites to bar and protect pedestrian and vehicular traffic.
- Prior to starting any work on streets/roads shall coordinate with the individual City or Town's Traffic Engineer or DPW.
- No portion of any street shall be closed to traffic unless written permission of the proper Civil Authorities has first been obtained. Obtain authorization for street closures "Construction Street/Sidewalk Closing Permit" from the City of Cranston.
- The Contractor shall obtain and pay for all permits which may be required and decide for and coordinate any required inspections. Contact Traffic Safety Manager at (401) 780-3202 for appropriate form, fees, and clarification of requirements.
- Traffic control devices (signals, loops, CCTV, etc. and their associated conduits), streetlights, sewers, and drainage are not marked by Dig Safe. Traffic control device conduits are typically shallow, located close to the road surface. Contact Cranston DPW Traffic for available as-built information on traffic control device conduits within the project limits.

**PROVIDENCE WATER**  
**2025 CONSTRUCTION SEASON**  
**Replacement & Rehabilitation of Water Mains and Appurtenances**

**D. Construction Coordination, Phasing, & Scheduling**

**1. Customer Contact Information**

- Through the course of construction, the Contractor may obtain contact information from property owners, residents, and/or tenants to facilitate construction operations (particularly in relation to bypass piping and temporary service connections). The contractor shall tabulate this information in a spreadsheet, formatted with the following headings: name, owner/resident/tenant, address, phone number, and email (if available). A digital copy of this spreadsheet shall be furnished to the OWNER by the completion of construction or at other such intervals as requested by the OWNER, so that OWNER can update contact databases with newly acquired information.

**2. Rhode Island Energy (RIE) Construction – Coordination**

- RIE personnel will be monitoring the projects for potential encroachments and will work closely with the successful bidder to ensure compliance with their requirements. The successful bidder is required to inform the RIE field representative of any issues encountered or foreseen within their trench excavations.
- RIE may have abandoned gas mains (within the projects limits) that have been leased as conduits for telecommunications (fiber optics).
- RIE will coordinate the removal of unoccupied abandoned mains that encroach upon our existing water mains at their cost.
- RIE will be invited to both the Pre-Construction meetings and on an as needed basis to bi-weekly project meetings once construction has begun.

**3. Local Business – Coordination**

- The Contractor shall coordinate their work schedule, shutdowns, and traffic control plans with restaurants, schools, shopping centers, doctor's offices, and all other businesses in the project area.

**4. RI Public Transit Authority (RIPTA) – Coordination**

- The Contractor shall coordinate their work schedule, shutdowns, and traffic control plans with RIPTA regarding their bus routes and stops in this project area.

**5. RIDOT – Coordination**

- The Contractor shall submit traffic control plans and seek permits from RIDOT for all state-maintained roads.

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON Replacement & Rehabilitation of Water Mains and Appurtenances

For a complete listing of State-maintained roads please contact RIDOT or visit their website at:

[www.dot.ri.gov/about/maproom/State\\_Maintained\\_Roads.php](http://www.dot.ri.gov/about/maproom/State_Maintained_Roads.php)

- **Per PW coordination correspondence with RIDOT, there are no State-maintained roads within the contracts' limits.**

However, it is still the successful bidder's responsibility to coordinate with RIDOT to confirm state-maintained roads within their project limits. The preceding list should not be construed as complete nor binding in any fashion.

### 6. Traffic Control / Police Details

- Contractors shall schedule the details with the respective police departments. Police details shall be paid by the Contractor and reimbursed by PW per pay period without markup. For reimbursement purposes, the Contractors shall submit invoices copies from the respective cities and towns with copies of daily detail vouchers for verification.
- Should a police detail be unavailable, Contractors may use flagmen. Flagmen will be compensated by Providence Water per pay application. PW will reimburse subcontractors flagging invoices as a pass through without markup. If the successful bidder chooses to use his own forces for flagging, they will be compensated based upon certified payroll wages, without markup.
- Contractors shall consult with the local police departments for pertinent traffic control needs.
- Should the bidder intend to meet a portion of MBE/WBE minority compliance goals with use of a State of Rhode Island certified MBE/WBE contractor, the use of the flagging allowance cost in the bid form in calculating compliance goals is permitted. **However, the excessive use of flagging services to artificially inflate minority participation to meet contractual requirements is prohibited.**
- For purposes of bonding and award, lump sum allowances for police and flagging are included in the bid form. The invoices for these costs will be paid in monthly payment requisitions, against these allowances, as a pass-through with no markup.
- Separate compensation shall not be disbursed for the costs associated with bonding, administration, and coordination of both police details and flagging services.

### E. Customer & Resident Pre-Construction Notifications

#### 1. 14-Day Letter Notification - "Construction Notification Advisory"

(By Providence Water)

**PROVIDENCE WATER**  
**2025 CONSTRUCTION SEASON**  
**Replacement & Rehabilitation of Water Mains and Appurtenances**

2. 72-hour door-hanger Notifications - "Important Notice"  
(Distributed by Contractor - Furnished by Providence Water)
3. 24-hour door-hanger Notifications - "Shutdown Notices"  
(Distributed by Contractor - Furnished by Providence Water)
4. Home/Building Service Shut-off: No earlier than 8:30 AM

**F. Street and Sidewalk Restoration**

**1. Full Depth Asphalt Street Pavement & Permanent Sidewalk, Driveway and Street Pavement Restoration:**

- Except for sidewalks, the typical 2” temporary restoration and settlement requirements will not be applicable. All paved areas disturbed in these contracts shall require full depth hotmix asphalt restoration.
- WMR Contracts shall install full depth hotmix asphalt to match the existing street pavement thickness (minimum of four (4”) inches).
- To account for settlement, the Contractor at his discretion (and at no additional expense to the OWNER) may install a two (2”) inch temporary pavement and then remove it to apply full depth pavement after a settlement period.
- Temporary pavement markings shall be furnished at disturbed locations, as an interim measure until permanent markings can be installed following permanent street restoration. The Contractor shall maintain these excavations, at no additional cost, throughout the winter season. OWNER does not allow cold patches for temporary trench restoration over winter.
- WMR Contractors are responsible for the concrete base restoration (if required). Should the successful bidder choose to place 2” asphalt rather than plate before pouring concrete, he shall do so at his convenience and shall not be compensated.
- **WMR Contractors are responsible for all permanent restoration of streets, sidewalks, driveways, and grassy areas. Sidewalks, and driveways shall be temporarily restored with 2” asphalt. After 60 days, sidewalks, and driveways will be permanently restored in kind, and street sections disturbed during construction will be restored via a 2” mill and overlay.**

**2. Pavement Maintenance and Warranty: Streets, Sidewalks, and Driveways:**

- The WMR Contractor shall be responsible for any failures associated with his water main rehabilitation work, for a period of one (1) year from the date of installation.

## PROVIDENCE WATER 2025 CONSTRUCTION SEASON Replacement & Rehabilitation of Water Mains and Appurtenances

- The WMR Contractor shall warranty failures associated with restoration of streets, sidewalks, and driveways for a five (5) year period.

### 3. Minimum Standards for State and Municipal Road Repair for Utility Work:

The City of Providence has adopted the permanent street restoration standards of the “Rhode Island Utility Fair Share Roadway Repair Act” legislation, as delineated in RIDOT’s - Minimum Standards for State and Municipal Road Repair for Utility Work, (Appendix G in the bid documents). Potential bidders are reminded that these requirements apply to all utility work conducted in the city including this project.

Final street pavement restoration shall include two (2) inches of micro-milling and resurfacing all impacted travel lanes and/or shoulders for their full width using Class 9.5 or 12.5 hot mix asphalt (as directed by OWNER). Impacted travel lanes and/or shoulders are the roadway pavement areas that the utility work trench(es) are located within. In addition to the roadway pavement areas impacted by the utility work trenches, this final pavement restoration shall also apply to all travel lanes and/or shoulders impacted by either lateral or longitudinal utility work trenches when the trenches are less than or equal to one hundred (100) feet longitudinal from one another, including the sections between trenches, so that no section(s) of roadway pavement less than or equal to one hundred (100) feet shall remain unpaved. This will provide a continuous final pavement between the utility work trenches.

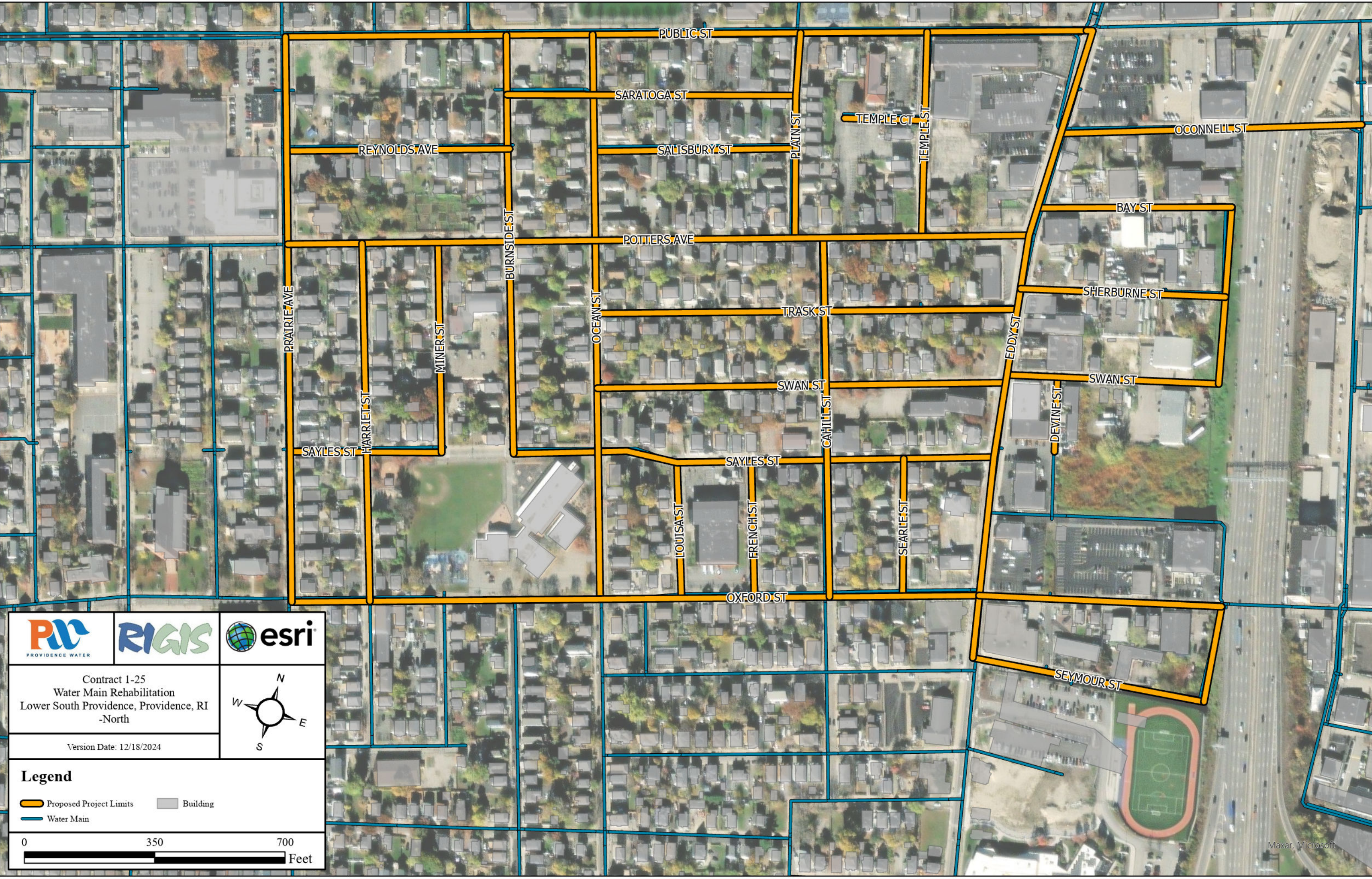
**It is Providence Water’s intent to comply with this legislation, meet the expectations of the City of Providence, and the permanent restoration quantities in the bid form reflect this objective. Furthermore, all excavations including cleaning and lining pits shall be milled and overlaid.**

### G. Special Bidding & Contractual Notes

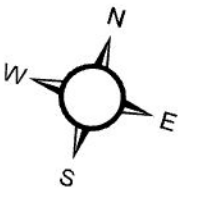
1. Criminal Background Check (BCI) shall be required for all Contractor employees. PW shall provide badges for all contractor employees designated to enter homes and buildings.

#### Attachments:

- Contract 1-25 Lower South Providence, North Section GIS Plan.
- *Sing-In Sheet*



Contract 1-25  
Water Main Rehabilitation  
Lower South Providence, Providence, RI  
-North



Version Date: 12/18/2024

**Legend**

- Proposed Project Limits
- Water Main
- Building





# WATER MAIN REHABILITATION PROGRAM

Replacement/Rehabilitation of Water Mains and Appurtenances within Providence  
Water's Distribution System





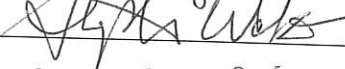



## Sign-In Sheet

**Project:** Water Main Rehabilitation Lower South Providence – North Section, Contract 1-25

**Project No.:** 20251

**Subject:** Pre-Bid Conference

**Meeting Date:** Tuesday, February 4<sup>th</sup>, 2025

Name – Print	Company	Signature
Seth O Romms	Provwater	
Dave Walsh	w. walsh	
Michael Biszko	Biszko	
Steve Spadoni	DEWCON INC	
John A Spadoni	Dewcon inc	
Steve Walsh	W. Walsh	
Carolyn Duplan	Prov. Water.	
NORM RIPSTEIN	PROV WATER	
IAN YAPLE	EJP	ON LINE
MATT GALLANT	PROV WATER	"
CHRIS WALSH	W. WALSH	"
ALAN BISZKO	BISZKO	"
DANIEL KSIAZAK	AZURIA Water Solutions	"
RYAN DEWEY	DEWEY	"



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

# REQUEST FOR PROPOSALS

**Item Description:** **Replacement & Rehabilitation of Water Mains and Appurtenances of Water Mains and Appurtenances within Lower South Providence - North Section, Contract 1-25 (Exp. 12/31/2026)**

**Procurement/MinuteTraq #:**

**Date to be opened:** **2:00 p.m. on Monday, March 10th, 2025.**

**Issuing Department:** **Providence Water**

## QUESTIONS

- Please direct questions related to the bidding process, how to fill out forms, and how to submit a bid (Pages 1-8) to the Purchasing Department.
  - Email: [purchasing@providenceri.gov](mailto:purchasing@providenceri.gov)
    - Please use the subject line “**Solicitation Question**”
- Please direct questions relative to the Minority and Women’s Business Enterprise Program and the corresponding forms (Pages 9-13) to the MBE/WBE Outreach Director for the City of Providence, Grace Diaz
  - Email: [gdiaz@providenceri.gov](mailto:gdiaz@providenceri.gov)
    - Please use subject line “**MBE WBE Forms**”
- Please direct questions relative to the specifications outlined (beginning on page 14) to the issuing department’s subject matter expert:
  - **Norman Ripstein, Principal Engineer**
  - **(401) 521-6300, Ext. 7212**
  - [normanr@provwater.com](mailto:normanr@provwater.com)
  - **Carolyn Diplan, Project Engineer**
  - **(401) 521-6300, Ext. 7219**
  - [carolynd@provwater.com](mailto:carolynd@provwater.com)

**BIDDERS MUST MEET THE QUALIFICATIONS AS DESCRIBED IN  
SECTION 00200 - INSTRUCTIONS TO BIDDERS, ARTICLE 3**

### **Pre-bid Conference (MANDATORY)**

A virtual Pre-Bid Conference will be held at 9:00 a.m. on **February 4th, 2025** via the **Teams Meeting** online meeting platform and **PW EOC Conference Room**. **Bidders ARE required to attend and participate in the Pre-Bid Conference.** **Teams Meeting Access Instructions:** Please join from your computer, tablet or smartphone. <https://teams.microsoft.com/l/meetup-join/Contract1-25>

**Meeting ID:** 256 641 938 974 **Passcode:** x6J9Dw2w

### **Deadline for questions submissions:**

**Before 12:00 pm, Wednesday, February 12th, 2025.**



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

**INSTRUCTIONS FOR SUBMISSION**

**Meeting Date: Monday, March 10th, 2025**

Bids may be submitted up to **2:00 P.M.** on the above meeting date at the **Department of the City Clerk, Room 311, City Hall, 25 Dorrance Street, Providence.** At 2:15 P.M. all bids will be publicly opened and read at the Board of Contract Meeting in Conference Room 305, on the 3<sup>rd</sup> floor of City Hall.

- Bidders must submit **2 copies** of their bid in sealed envelopes or packages labeled with the captioned **Item Description** and the **City Department to which the solicitation and bid are related and must include the company name and address on the envelope as well.** (On page 1).
- If required by the Department, please keep the original bid bond and check in only one of the envelopes.
- Communications to the Board of Contract and Supply that are not competitive sealed bids (i.e. product information/samples) should have “**NOT A BID**” written on the envelope or wrapper.
- Only use form versions and templates included in this solicitation. If you have an old version of a form do not recycle it for use in this bid.
- The bid envelope and information relative to the bid must be addressed to:

**Board of Contract and Supply  
Department of the City Clerk – City Hall, Room 311  
25 Dorrance Street  
Providence, RI 02903**

**\*\*PLEASE NOTE:** This bid may include details regarding information that you will need to provide (such as proof of licenses) to the issuing department before the formalization of an award.

*This information is NOT requested to be provided in your initial bid by design.*

**All bids submitted to the City Clerk become public record. Failure to follow instructions could result in information considered private being posted to the city’s Open Meetings Portal and made available as a public record. The City has made a conscious effort to avoid the posting of sensitive information on the City’s Open Meetings Portal, by requesting that such sensitive information be submitted to the issuing department only at their request.**



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

**BID PACKAGE CHECKLIST**

Digital forms are available in the City of Providence Purchasing Department Office or online at <http://www.providenceri.gov/purchasing/how-to-submit-a-bid/>

The bid package **MUST** include the following, in this order:

- Bid Form 1: Bidder's Blank as the cover page/ 1<sup>st</sup> page (*see page 6 of this document*)
- Bid Form 2: Certification of Bidder as 2<sup>nd</sup> page (*see page 7 of this document*)
- Bid Form 3: Certificate Regarding Public Records (*see page 8 of this document*)
- Bid Form 4: Affidavit of City Vendor (*see pages 9 and 10 of this document*)
- Forms from the Minority and Women Business Enterprise Program: Based on Bidder Category. *See forms and instructions enclosed (pages 11-12) or on:*  
<https://www.providenceri.gov/purchasing/minority-women-owned-business-mbewbe-procurement-program/>

**\*Please note: MBE/WBE forms must be completed for EVERY bid submitted and must be inclusive of ALL required signatures. Forms without all required signatures will be considered incomplete.**

- Bidder's Proposal/Packet: Formal response to the specifications outlined in this RFP, including pricing information and details related to the good(s) or service(s) being provided. Please be mindful of formatting responses as requested to ensure clarity.
- Financial Assurance, *if requested* (as indicated on page 5 of this document under "Bid Terms")

**All of the above listed documents are REQUIRED.** (With the exception of financial assurances, which are only required if specified on page 5.)

**\*\*\*Failure to meet specified deadlines, follow specific submission instructions, or enclose all required documents with all applicable signatures will result in disqualification, or in an inability to appropriately evaluate bids.**



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

**NOTICE TO VENDORS**

1. The Board of Contract and Supply will make the award to the lowest qualified and responsible bidder.
2. In determining the lowest responsible bidder, cash discounts based on preferable payment terms will not be considered.
3. Where prices are the same, the Board of Contract and Supply reserves the right to award to one bidder, or to split the award.
4. No proposal will be accepted if the bid is made in collusion with any other bidder.
5. Bids may be submitted on an "equal in quality" basis. The City reserves the right to decide equality. Bidders must indicate brand or the make being offered and submit detailed specifications if other than brand requested.
6. A bidder who is an out-of-state corporation shall qualify or register to transact business in this State, in accordance with the Rhode Island Business Corporation Act, RIGL Sec. 7-1.2-1401, et seq.
7. The Board of Contract and Supply reserves the right to reject any and all bids.
8. Competing bids may be viewed in person at the Department of the City Clerk, City Hall, Providence, immediately upon the conclusion of the formal Board of Contract and Supply meeting during which the bids were unsealed/opened. Bids may also be accessed electronically on the internet via the City's [Open Meetings Portal](#).
9. As the City of Providence is exempt from the payment of Federal Excise Taxes and Rhode Island Sales Tax, prices quoted are not to include these taxes.
10. In case of error in the extension of prices quoted, the unit price will govern.
11. The contractor will **NOT** be permitted to: a) assign or underlet the contract, or b) assign either legally or equitably any monies or any claim thereto without the previous written consent of the City Purchasing Director.
12. Delivery dates must be shown in the bid. If no delivery date is specified, it will be assumed that an immediate delivery from stock will be made.
13. A certificate of insurance will normally be required of a successful vendor.
14. For many contracts involving construction, alteration and/or repair work, State law provisions concerning payment of prevailing wage rates apply ([RIGL Sec. 37-13-1 et seq.](#))
15. No goods should be delivered, or work started without a Purchase Order.
16. **Submit 2 copies of the bid to the City Clerk, unless the specification section of this document indicates otherwise.**
17. Bidder must certify that it does not unlawfully discriminate on the basis of race, color, national origin, gender, gender identity or expression, sexual orientation and/or religion in its business and hiring practices and that all of its employees are lawfully employed under all applicable federal, state and local laws, rules and regulations. (See Bid Form 2.)
18. **This project is also subject to the application of American Iron and Steel (AIS) and Build America Buy American (BABA) requirements to the 2025, 2026 and 2027 Drinking Water State Revolving Fund Assistance Agreements, as administered by the Environmental Protection Agency (EPA). Reference is made to Appendix D & E of the Contract Specifications for the USEPA Memorandum, dated April 7, 2017 & November 3, 2022.**



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

**BID TERMS**

1. Financial assurances may be required in order to be a successful bidder for Commodity or Construction and Service contracts. If either of the first two checkboxes below is checked, the specified assurance must accompany a bid, or the bid will not be considered by the Board of Contract and Supply. The third checkbox indicates the lowest responsible bidder will be contacted and required to post a bond to be awarded the contract.
  - a)  A certified check for **five(5) percent of the total Bid amount** must be deposited with the City Clerk as a guarantee that the Contract will be signed and delivered by the bidder.  
  
**OR**
  - b)  A bid bond in the amount of **five(5) percent of the total Bid amount** must be deposited with the City Clerk as a guarantee that the contract will be signed and delivered by the bidder; and the amount of such bid bond shall be retained for the use of the City as liquidated damages in case of default.
  - c)  No financial assurance is necessary for this item.
  - d)  A performance and payment bond with a satisfactory surety company will be posted by the bidder in a sum equal to one hundred per centum (100%) of the awarded contract.
2. Awards will be made within **nighty (90) days of bid opening**. All bid prices will be considered firm, unless qualified otherwise. Requests for price increases will not be honored.
3. Failure to deliver within the time quoted or failure to meet specifications may result in default in accordance with the general specifications. It is agreed that deliveries and/or completion are subject to strikes, lockouts, accidents, and Acts of God.

**The following entry applies only for COMMODITY BID TERMS:**

4. Payment for partial delivery will not be allowed except when provided for in blanket or term contracts.

**The following entries apply only for CONSTRUCTION AND SERVICE BID TERMS:**

5. Only one shipping charge will be applied in the event of partial deliveries for blanket or term contracts.
6. Prior to commencing performance under the contract, the successful bidder shall attest to compliance with the provisions of the Rhode Island Worker's Compensation Act, [RIGL 28-29-1, et seq.](#) If exempt from compliance, the successful bidder shall submit a sworn Affidavit by a corporate officer to that effect, which shall accompany the signed contract.
7. Prior to commencing performance under the contract, the successful bidder shall, submit a certificate of insurance, in a form and in an amount satisfactory to the City.



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

**BID FORM 1: Bidders Blank**

1. Bids must meet the attached specifications. Any exceptions or modifications must be noted and fully explained.
2. Bidder's responses must be in ink or typewritten, and all blanks on the bid form should be completed.
3. The price or prices proposed should be stated both in **WRITING** and in **FIGURES**, and any proposal not so stated may be rejected. **Contracts exceeding twelve months must specify annual costs for each year.**
4. Bids **SHOULD BE TOTALED** so that the final cost is clearly stated (unless submitting a unit price bid), however **each item should be priced individually**. Do not group items. Awards may be made on the basis of *total* bid or by *individual items*.
5. All bids **MUST BE SIGNED IN INK**.

**Name of Bidder (Firm or Individual):** \_\_\_\_\_

Contact Name: \_\_\_\_\_

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

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

Contact Email Address: \_\_\_\_\_

Agrees to bid on (Write the "Item Description" here):

**CONTRACT 1-25 LOWER SOUTH PROVIDENCE - NORTH**

**SECTION 00410 (CLEAN & LINE) BID FORM**

**Part 1 – Unit Rates for Water Main Replacement and Rehabilitation Work**

**Part 2 – Unit Rates for Traffic Control and Reconnect Services**

**Part 3 – Unit Rates for Replacement of Lead Services - Private Property ONLY**

**Part 4 – Miscellaneous Unit Prices for Additional Work not specified in Parts 1, 2, or 3**

**Part 5 – Labor and Equipment Rates for Additional Work not specified in Parts 1, 2, or 3**

If the bidder's company is based in a state *other than Rhode Island*, list name and contact information for a local agent for service of process that **is located within Rhode Island** \_\_\_\_\_

Delivery Date (if applicable): \_\_\_\_\_

Name of Surety Company (if applicable): \_\_\_\_\_

Total Amount in Writing (if applicable): \_\_\_\_\_

Total Amount in Figures (if applicable): : \_\_\_\_\_

*Use additional pages if necessary for additional bidding details.*

- ( ) Bidder Certification, Performance of Work \_\_\_\_\_
- ( ) Acknowledge receipt of all Addenda to the Specifications \_\_\_\_\_
- ( ) Conforms to Specifications \_\_\_\_\_
- ( ) Modifications to Specifications. If yes, please note \_\_\_\_\_
- ( ) Required MBE/WBE Forms submitted with Bid \_\_\_\_\_

Signature of Representation

Title



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

**BID FORM 2: Certification of Bidder**  
(Non-Discrimination/Hiring)

Upon behalf of \_\_\_\_\_ (Firm or Individual Bidding),

I, \_\_\_\_\_ (Name of Person Making Certification),

being its \_\_\_\_\_ (Title or "Self"), hereby certify that:

1. Bidder does not unlawfully discriminate on the basis of race, color, national origin, gender, sexual orientation and/or religion in its business and hiring practices.
2. All of Bidder's employees have been hired in compliance with all applicable federal, state and local laws, rules and regulations.

I affirm by signing below that I am duly authorized on behalf of Bidder, on  
this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Representation

\_\_\_\_\_  
Printed Name





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

**BID FORM 3: Certificate Regarding Public Records**

Upon behalf of \_\_\_\_\_ (Firm or Individual Bidding),

I, \_\_\_\_\_ (Name of Person Making Certification),

being its \_\_\_\_\_ (Title or "Self"), hereby certify an

understanding that:

1. All bids submitted in response to Requests for Proposals (RFP's) and Requests for Qualification (RFQ's), documents contained within, and the details outlined on those documents become public record upon receipt by the City Clerk's office and opening at the corresponding Board of Contract and Supply (BOCS) meeting.
2. The Purchasing Department and the issuing department for this RFP/RFQ have made a conscious effort to request that sensitive/personal information be submitted directly to the issuing department and only at request if verification of specific details is critical the evaluation of a vendor's bid.
3. The requested supplemental information may be crucial to evaluating bids. Failure to provide such details may result in disqualification, or an inability to appropriately evaluate bids.
4. If sensitive information that has not been requested is enclosed or if a bidder opts to enclose the defined supplemental information prior to the issuing department's request in the bidding packet submitted to the City Clerk, the City of Providence has no obligation to redact those details and bears no liability associated with the information becoming public record.
5. The City of Providence observes a public and transparent bidding process. Information required in the bidding packet may not be submitted directly to the issuing department at the discretion of the bidder in order to protect other information, such as pricing terms, from becoming public. Bidders who make such an attempt will be disqualified.

I affirm by signing below that I am duly authorized on behalf of Bidder, on

this \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_\_\_\_.

\_\_\_\_\_  
Signature of Representation

\_\_\_\_\_  
Printed Name



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

**BID FORM 4: Affidavit of City Vendor**

Per our Code of Ordinances [Sec. 21.-28.1 \(e\)](#), this form applies to a) the business, b) any political action committee whose name includes the name of the business, c) all persons holding ten (10) percent or greater equity interest or five thousand dollars (\$5,000.00) or greater cash value interest in the business at any time during the reporting period, d) all executive officers of the business entity, e) any spouse or dependent child of any individual identified in a) though d) above.

Executive officers who are not residents of the state of Rhode Island are exempted from this requirement.

Per [R.I.G.L. § 36-14-2](#), “Business” means a sole proprietorship, partnership, firm, corporation, holding company, joint stock company, receivership, trust, or any other entity recognized in law through which business for profit or not for profit is conducted .

Name of the person making this affidavit: \_\_\_\_\_

Position in the “Business” \_\_\_\_\_

Name of Entity \_\_\_\_\_

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

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

The number of persons or entities in your entity that are required to report under [Sec. 21.-28.1 \(e\)](#): \_\_\_\_\_

**Read the following paragraph and answer one of the options:**

Within the 12 month period preceding the date of this bid submission with the City of Providence, or with respect to the contracts that are not in writing within the 12 month period preceding the date of notification that the contract has reached the \$100,000 threshold, have you made campaign contributions within a calendar year to (please list all persons or entities required under [Sec. 21.-28.1 \(e\)](#)).

a. Members of the Providence City Council?  Yes  No

- If Yes, please complete the following:

Recipient(s) of the Contribution:

Contribution Date(s):

Contribution Amount(s):

b. Candidates for election or reelection to the Providence City Council?  Yes  No

- If Yes, please complete the following:

Recipient(s) of the Contribution:

Contribution Date(s):

Contribution Amount(s):



**BOARD OF CONTRACT AND SUPPLY  
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c. The Mayor of Providence?  Yes  No

- If Yes, please complete the following:

Recipient(s) of the Contribution:

Contribution Date(s):

Contribution Amount(s):

d. Candidates for election or reelection to the office of Mayor of Providence?  Yes  No

- If Yes, please complete the following:

Recipient(s) of the Contribution:

Contribution Date(s):

Contribution Amount(s):

\_\_\_\_\_  
Signed under the pains and penalties of perjury.

\_\_\_\_\_  
Position



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

**MBE/WBE Participation Plan**

**Please complete separate forms for each MBE/WBE subcontractor/supplier to be utilized on the solicitation.**

Bidder's Name:				
Bidder's Address:				
Point of Contact:				
Telephone:				
Email:				
Procurement #:				
Project Name:				
Which one of the following describes your business' status in terms of Minority and/or Woman Owned Business Enterprise certification with the State of Rhode Island? (Check all that apply).	<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> Neither MBE nor WBE			
<p>This form is intended to capture commitments between the prime contractor/vendor and MBE/WBE subcontractors and suppliers, including a description of the work to be performed and the percentage of the work as submitted to the prime contractor/vendor. Please note that all MBE/WBE subcontractors/suppliers must be certified by the Office of Diversity, Equity and Opportunity at the time of bid. The MBE/WBE Directory can be found <a href="#">here</a>. Please visit, the <a href="#">City's MBE/WBE page</a> for details of the program (e.g. instructions and requirements).</p> <ul style="list-style-type: none"> <li><b>Nonprofit organizations are not required to complete the rest of this form.</b></li> <li><b>Construction projects unable to identify subcontractors prior to bid submission (e.g. Design Build) are required to provide updates to the MBE/WBE Outreach Office</b></li> </ul>				
Name of Subcontractor/Supplier:				
Type of RI Certification:	<input type="checkbox"/> MBE <input type="checkbox"/> WBE <input type="checkbox"/> Neither			
Address:				
Point of Contact:				
Telephone:				
Email:				
Detailed Description of Work to Be Performed by Subcontractor or Materials to be Supplied by Supplier Per the Scope of Work provided in the RFP				
Total Contract Value (\$):		Subcontract Value (\$):		Participation Rate (%):
Anticipated Date of Performance:				
I certify under penalty of perjury that the forgoing statements are true and correct.				
<b>Prime Contractor/Vendor Signature</b>	<b>Title</b>			<b>Date</b>
<b>Subcontractor/Supplier Signature</b>	<b>Title</b>			<b>Date</b>

**\*If you did not meet the 20% MBE/WBE combined participation goal, submit a Waiver Request Form.**



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

**MBE/WBE Waiver Request Form**

**Fill out this form only if you did not meet the 20% MBE/WBE participation goal.  
State-certified MBE or WBE Prime Bidders are NOT REQUIRED to fill out this form.**

Submit this form to the City of Providence MBE/WBE Outreach Director, Grace Diaz, at [gdiaz@providenceri.gov](mailto:gdiaz@providenceri.gov), for review **prior to bid submission**. This waiver applies only to the current bid which you are submitting to the City of Providence and does not apply to other bids your company may submit in the future. **In case a waiver is needed, City Department Directors should not recommend a bidder for an award if this form is not included, absent or is not signed by the city of Providence MBE/WBE director.**

Prime Bidder: \_\_\_\_\_ Contact Email and Phone \_\_\_\_\_  
Company Name, Address: \_\_\_\_\_ Trade \_\_\_\_\_  
Project /Item Description (as seen on RFP): \_\_\_\_\_

To receive a waiver, you must list the certified MBE and/or WBE companies you contacted, the name of the primary individual with whom you interacted, and the reason the MBE/WBE company could not participate on this project.

<b>MBE/WBE Company Name</b>	<b>Individual's Name</b>	<b>Company Name</b>	<b>Why did you choose not to work with this company?</b>

I acknowledge the City of Providence's goal of a combined MBE/WBE participation is 20% of the total bid value. I am requesting a waiver of \_\_\_\_\_ % MBE/WBE (20% minus the value of **Box F** on the Subcontractor Disclosure Form). If an opportunity is identified to subcontract any task associated with the fulfillment of this contract, a good faith effort will be made to select MBE/WBE certified businesses as partners.

\_\_\_\_\_  
Signature of Prime Contractor /  
or Duly Authorized Representative

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Date Signed

\_\_\_\_\_  
Signature of City of Providence  
MBE/WBE Outreach Director /  
or Duly Authorized Representative

\_\_\_\_\_  
Printed Name of City of Providence  
MBE/WBE Outreach Director

\_\_\_\_\_  
Date Signed



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

## **BID PACKAGE SPECIFICATIONS**

### **Overview**

**Replacement & rehabilitation of approximately 28,000 Linear Feet (L.F.) of existing 6-inch, 8-inch and 12-inch cast-iron water mains.**

### **Scope of Work**

**The removal and replacement of appurtenances (valves, hydrants and services), and the associated full depth temporary asphalt restoration of street excavations and permanent restoration of sidewalks, and grassy areas, within the Lower South Providence service area of the Providence Water's distribution system.**

### **Proposed Schedule**

**January 1st, 2025 through December 31th, 2026.**

### **Evaluation Criteria**

- 1. The lowest Total Bid Price Amount (resolved in favor of corrected sums) submitted for Part 1 of the Bid Schedule Summary;**
- 2. The bidder's Qualifications, as set forth in Article 3 of Section 00200, Instructions to Bidders, and as indicated in the bidder's Contractor Qualification Statement;**
- 3. The adequacy of the bidder's financial resources, including its ability to comply with the requirements of Article 5 of Section 00700, General Terms and Conditions;**
- 4. The quality of work performed previously by the bidder for the Owner, if any, and the quality of work performed on comparably sized projects for other entities;**
- 5. The record of the bidder in accomplishing work on other, similar projects in the required time frame;**
- 6. The bidder's ability to obtain the necessary materials, as set forth in Section 0300 - 2, List of Approved Materials/Manufacturers for use in the Providence Water Distribution System; and**
- 7. Consistency with historical unit pricing of Unit Rates and Unit Prices for bid items for the related contract work.**



**BOARD OF CONTRACT AND SUPPLY  
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## **SUPPLEMENTAL INFORMATION**

If the issuing department for this RFP determines that your firm's bid is best suited to accommodate their need, you will be asked to provide proof of the following prior to formalizing an award.

An inability to provide the outlined items at the request of the department may lead to the disqualification of your bid.

*This information is **NOT** requested to be provided in your initial bid that you will submit to the City Clerk's office by the "date to be opened" noted on page 1. This list only serves as a list of items that your firm should be ready to provide on request.*

**All bids submitted to the City Clerk become public record. Failure to follow instructions could result in information considered private being posted to the city's Open Meetings Portal and made available as a public record.**

**You must be able to provide:**

- Business Tax ID will be requested after an award is approved by the Board of Contract and Supply.
- Proof of Insurance.
- Certificate of Good Standing with the Rhode Island Secretary of State.
- **Bidders shall provide all required documentation and supplemental information as delineated in the following sections of the bid document.**

### **BIDDING & CONTRACT REQUIREMENTS**

- **00100 – INVITATION TO BID**
- **00200 – INSTRUCTIONS TO BIDDERS**
- **00300 – INFORMATION AVAILABLE TO BIDDERS**
- **00410 – BID FORM**
- **00430 – PROPOSED SUBCONTRACTOR AND SUPPLIER LISTING**
- **00450 – CONTRACTOR QUALIFICATION STATEMENT**
- **00470 – CITY OF PROVIDENCE MBE/WBE PARTICIPATION REQUIREMENTS**
- **00480 – EPA DISADVANTAGED ENTERPRISE (DBE) PROGRAM**
- **00490 – APPRENTICE UTILIZATION, LOCAL HIRING REQS, & AIR QUALITY PROTOCOLS**
- **00520 – AGREEMENT FORM**
- **00700 – STD. GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT**
- **00800 – SUPPLEMENTARY CONDITIONS**



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

**CITY OF PROVIDENCE STANDARD TERMS & CONDITIONS**

1. The terms “you” and “your” contained herein refer to the person or entity that is a party to the agreement with the City of Providence (“the City”) and to such person’s or entity’s employees, officers, and agents.
2. The Request For Proposals (“RFP”) and these Standard Terms and Conditions together constitute the entire agreement of the parties (“the Agreement”) with regard to any and all matters. By your submission of a bid proposal or response to the City’s RFP, you accept these Standard Terms & Conditions and agree that they supersede any conflicting provisions provided by bid or in any terms and conditions contained or linked within a bid and/or response. Changes in the terms and conditions of the Agreement, or the scope of work thereunder, may only be made by a writing signed by the parties.
3. You are an independent contractor and in no way does this Agreement render you an employee or agent of the City or entitle you to fringe benefits, workers’ compensation, pension obligations, retirement or any other employment benefits. The City shall not deduct federal or state income taxes, social security or Medicare withholdings, or any other taxes required to be deducted by an employer, and this is your responsibility to yourself and your employees and agents.
4. You shall not assign your rights and obligations under this Agreement without the prior written consent of the City. Any assignment without prior written consent of the City shall be voidable at the election of the City. The City retains the right to refuse any and all assignments in the City’s sole and absolute discretion.
5. Invoices submitted to the City shall be payable sixty (60) days from the time of receipt by the City. Invoices shall include support documentation necessary to evidence completion of the work being invoiced. The City may request any other reasonable documentation in support of an invoice. The time for payment shall not commence, and invoices shall not be processed for payment, until you provide reasonably sufficient support documentation. In no circumstances shall the City be obligated to pay or shall you be entitled to receive interest on any overdue invoice or payment. In no circumstances shall the City be obligated to pay any costs associated with your collection of an outstanding invoice.
6. For contracts involving construction, alteration, and/or repair work, the provisions of applicable state labor law concerning payment of prevailing wage rates (R.I. Gen. Laws §§ 37-13-1 et seq., as amended) and the City’s First Source Ordinance (Providence Code of Ordinances §§ 21-91 et seq., as amended) apply.
7. With regard to any issues, claims, or controversies that may arise under this Agreement, the City shall not be required to submit to dispute resolution or mandatory/binding arbitration. Nothing prevents the parties from mutually agreeing to settle any disputes using mediation or non-binding arbitration.
8. To the fullest extent permitted by law, you shall indemnify, defend, and hold harmless the City, its employees, officers, agents, and assigns from and against any and all claims, damages, losses, allegations, demands, actions, causes of action, suits, obligations, fines, penalties, judgments, liabilities, costs and expenses, including but not limited to attorneys’ fees, of any nature whatsoever arising out of, in connection with, or resulting from the performance of the work provided in the Agreement.
9. You shall maintain throughout the term of this Agreement the insurance coverage that is required by the RFP or, if none is required in the RFP, insurance coverage that is considered in your industry to be commercially reasonable, and you agree to name the City as an additional insured on your general liability policy and on any umbrella policy you carry.
10. The City shall not subject itself to any contractual limitations on liability. The City shall have the time permitted within the applicable statute of limitations, and no less, to bring or assert any and all causes of action, suits, claims or demands the City may have arising out of, in connection with, or resulting from the performance of the work provided in the Agreement, and in no event does the City agree to limit your liability to the price of the Agreement or any other monetary limit.
11. The City may terminate this Agreement upon five (5) days’ written notice to you if you fail to observe any of the terms and conditions of this Agreement, or if the City believes your ability to perform the





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

terms and conditions of this Agreement has been materially impaired in any way, including but in no way limited to loss of insurance coverage, lapsing of a surety bond, if required, declaration of bankruptcy, or appointment of a receiver. In the event of termination by the City, you shall be entitled to just and equitable compensation for any satisfactory work completed and expenses incurred up to the date of termination.

12. Written notice hereunder shall be deemed to have been duly served if delivered in person to the individual or member of the firm or entity or to an officer of the entity for whom it was intended, or if delivered at or sent by registered or certified mail to the last business address known by the party providing notice.
13. In no event shall the Agreement automatically renew or be extended without a writing signed by the parties.
14. You agree that products produced or resulting from the performance of the Agreement are the sole property of the City and may not be used by you without the express written permission of the City.
15. For any Agreement involving the sharing or exchange of data involving potentially confidential and/or personal information, you shall comply with any and all state and/or federal laws or regulations applicable to confidential and/or personal information you receive from the City, including but not limited to the Rhode Island Identity Theft Protection Act, R.I. Gen. Laws § 11-49.3-1, during the term of the Agreement. You shall implement and maintain appropriate physical, technical, and administrative security measures for the protection of, and to prevent access to, use, or disclosure of, confidential and/or personal information. In the event of a breach of such information, you shall notify the City of such breach immediately, but in no event later than twenty-four (24) hours after discovery of such breach.
16. The Agreement is governed by the laws of the State of Rhode Island. You expressly submit yourself to and agree that any and all actions arising out of, in connection with, or resulting from the performance of the Agreement or relationship between the parties shall occur solely in the venue and jurisdiction of the State of Rhode Island or the federal court located in Rhode Island.
17. The failure of the City to require performance of any provision shall not affect the City's right to

require performance at any time thereafter, nor shall a waiver of any breach or default of this Agreement constitute a waiver of any subsequent breach or default or a waiver of the provision itself.

18. If any term or provision of this Agreement, or the application thereof to any person or circumstance shall, in any extent, be invalid or unenforceable, the remainder of this Agreement shall not be affected thereby, and each term and provision shall be valid and enforceable to the fullest extent permitted by law.

**SECTION 00100**

**INVITATION TO BID**

**SECTION 0100  
INVITATION TO BID**

**ADDEMDUM 1**

The City of Providence and its Board of Contract and Supply, is accepting sealed bids, on behalf of Providence Water, for:

**REPLACEMENT & REHABILITATION  
OF WATER MAINS AND APPURTENANCES WITHIN  
PROVIDENCE WATER'S DISTRIBUTION SYSTEM, CONTRACT 1-25**

In general, the work shall consist of the rehabilitation of approximately **28,000 Linear Feet (LF)** of existing 6-inch, 8-inch, and 12-inch cast-iron water mains. The work shall also include temporary by-pass installation, the removal and replacement of appurtenances (valves, hydrants and services), including the replacement of existing lead water service lines with new copper water service lines and appurtenances within Private Space, and the associated full depth temporary asphalt restoration of street excavations and permanent restoration of sidewalks, and grassy areas, within the **Lower South Providence** service area of Providence Water's distribution system. Without any prejudice to any other direction as indicated on the Contract Documents or mentioned in the Specifications, the Contractor shall provide all labor, equipment, materials, and services necessary to complete the work, including excavation and backfill; removing and disposing of existing water mains and appurtenances; installing new water mains; rehabilitating existing water mains by cleaning and cement lining; installing gate valves, blow-offs and hydrant assemblies; removing and replacing existing service connections; performing wet taps; installing new corporation stops, copper service tubing and fittings, new curb stops and curb boxes, existing copper service reconnections, and appurtenances, within the Public Space. The contract work also includes excavation and backfilling; lead service removal; installation of new copper service tubing, polyethylene tubing connections, interior piping and fittings, equipment, and appurtenances, within Private Property (locations to be determined); the permanent restoration of street and sidewalks within the Public Space; and the temporary and permanent restoration of grassy areas within both the Public Space and Private Property.

Contract Drawings have been prepared for the contract area as part of the Bid Documents. Work on Private Property is contingent upon approval by the property owner and signed agreements administered by Providence Water's "Lead Free is the Way to be Program". Providence Water reserves the right to add or deduct the number of locations/addresses by blocks of streets and/or quantities for the above-mentioned work, in its best interest.

**IMPORTANT NOTE TO BIDDERS**

**TO OBTAIN A COMPLETE BID PACKAGE CONTACT:**

PURCHASING DEPT. ROOM 408,

PROVIDENCE CITY HALL

PHONE: 401-680-5264

EMAIL: PJORDAN@PROVIDENCERI.GOV

**SECTION 0100  
INVITATION TO BID**

**ADDEMDUM 1**

At the current time, it is anticipated that a Notice-to-Proceed (NTP) will be issued in the **Spring of 2025** with a Project Duration of **two** construction season ending **in 2026**. All water main and service-related work, including temporary restoration, is to be completed along select streets within the **Lower South Providence** service area **of Providence**, RI, as directed by Providence Water, during the **2025** construction season. All excavations opened within a construction season must have permanent pavement restoration completed before the winter closeout **the 2026** construction season, and/or as directed by Providence Water.

Is Providence Water's desire to coordinate the contract work with any future street paving that may be scheduled by the City and/or State in **2026**. Although specific City Street paving scheduling information is not presently available, Providence Water has provided the selected street listings for this contract to the Providence Department of Public Works for advance informational and scheduling coordination purposes.

It is Providence Water's intent to award the contract to the responsive and responsible bidder whose base bid is the lowest evaluated or responsive bid price, in accordance with the criteria set forth below, to perform the work described above.

The objective measurable criteria to be utilized in determining the lowest evaluated or responsive bid price are as follows:

- (1) The lowest Total Bid Price Amount (resolved in favor of corrected sums) submitted for Part 1 of the Bid Schedule Summary.
- (2) The bidder's Qualifications, as set forth in Article 3 of Section 00200, Instructions to Bidders, and as indicated in the bidder's Contractor Qualification Statement.
- (3) The adequacy of the bidder's financial resources, including its ability to comply with the requirements of Article 5 of Section 00700, General Terms and Conditions.
- (4) The quality of work performed previously by the bidder for the Owner, if any, and the quality of work performed on comparably sized projects for other entities.
- (5) The record of the bidder in accomplishing work on other, similar projects in the required time frame.
- (6) The bidder's ability to obtain the necessary materials, as set forth in Section 0300 - 2, List of Approved Materials/Manufacturers for use in the Providence Water Distribution System.
- (7) Consistency with historical unit pricing of Unit Rates and Unit Prices for bid items for the related contract work.

The award of the Contract to the lowest evaluated or responsive bidder shall NOT guarantee or entitle the lowest evaluated or responsive bidder to the full Contract Amount. It is therefore understood by all parties that the actual amount of work completed, and the final Contract Amount shall be subject to availability of funds.

Projects shall be completed, and ready for final payments, within the time specified in the scope of services proposal and as specified in the Notice to Proceed or as provided in Paragraph 2.03 of the General Conditions, as modified by Paragraph 2.03.A of the Supplementary Conditions.

Failure to complete **the project by the second Friday of November 2026** shall result in the assessment of liquidated damages in the amount of **\$5,500** per calendar day that the completion is late beyond the specified time.

Bids will be received by the City of Providence Board of Contract and Supply at the Department of the City Clerk, Room 311, City Hall, Providence, Rhode Island up to **2:15 p.m. on Monday, March 10<sup>th</sup>, 2025**. At 2:15 p.m., all Bids will be publicly opened and read out loud at the Board of Contract and Supply meeting, City Council Chambers, Third Floor, City Hall.

**SECTION 0100  
INVITATION TO BID**

**ADDEMDUM 1**

Bids must be submitted on the Bid Form included with the Bidding Documents.

The Bidding Documents may be obtained at the City of Providence Purchasing Department, Room 408, City Hall, Providence, Rhode Island. The Bidding Documents include the Contract Drawings and Contract Specifications for the respective contract area.

Reference “Section 0000-Board of Contract and Supply Terms and Requirements for Bidding (Instruction for Submission)” for Bid Opening and Pre-Bid Conference dates with access instructions.

Questions pertaining to the Bidding Documents may be addressed to either:

Norm Ripstein, Principal Engineer – Project Manager  
(401) 521-6300 Ext. 7212, [Normanr@provwater.com](mailto:Normanr@provwater.com)

Carolyn Diplan, Project Engineer  
(401) 521-6300 Ext. 7219, [Carolynd@provwater.com](mailto:Carolynd@provwater.com)

A Bid must be accompanied by a Bid Security made payable to the City of Providence and Providence Water in the form of a certified check for **five(5) percent of the total Bid amount**, as a guarantee that the Contract will be signed and delivered by the bidder; OR a Bid Bond in the amount of **five(5) percent of the total Bid amount** as a guarantee that the contract will be signed and delivered by the bidder; and in default thereof, the bid bond shall be retained for the use of the City of Providence and the Providence Water as liquidated damages on account of such default.

Bidders are required to include with their Bid, information pertaining to proposed subcontractors and suppliers as indicated in the Bid Form or required by the Bidding Documents.

Compliance with State of Rhode Island General Laws, Chapters 37-12 and 37-13, and prevailing Wage Rate provisions is a requirement for Bidders and any subcontractors. **Reference is hereby made to the Appendices of Section 00800 - Supplementary Conditions of the Contract Specifications for "Special Notes" pertaining to Bonds; Labor and Payment; Minority Businesses; and Prevailing Wage Rates. Bidders shall review Article 14, "Basis of Bid; Evaluation of Bids", as provided in Section 00200, "Instructions to Bidders" of the Contract Specifications.**

This project is subject to the requirements of the RI Drinking Water State Revolving Fund (DWSRF) Program as administered by the RI Department of Health (RIDOH) Office of Drinking Water Quality. Reference is made to the RIDOH DWSRF Program Contract Specifications Package bound within Appendix C of the Contract Specifications. Reference is hereby made to the American Iron and Steel (AIS) requirements of this project, as provided in Appendix E of the Contract Specifications.

Bidders must complete and submit with their bids all forms required by Section 00470 of the Specifications, titled Bidder Information - MBE/WBE Participation Requirements. Failure to submit all required forms and documentation will result in the bid being considered non-responsive and rejection of the bid.

Bidders must be familiar with and comply with all permitting and licensing requirements of federal, state, and local laws, ordinances, and regulations applicable to the Work. Compliance with all such requirements, including but not limited to applicable chapters of Titles 5 and 28 of the State of Rhode Island General Laws, is a requirement for Bidders and any subcontractors.

The City of Providence and Providence Water reserves the right to waive any irregularities and to reject any or all bids.

**SECTION 00410**

**BID FORM  
CLEAN & LINE**

**SECTION 00410  
BID FORM**

**ADDEMDUN 1**

**PROJECT IDENTIFICATION:**

**Replacement & Rehabilitation of Water Mains & Appurtenances**

within Lower South Providence - North, Providence

CONTRACT 1-25

**THIS BID IS SUBMITTED TO:**

City of Providence  
Board of Contract and Supply  
Department of the City Clerk  
City Hall  
Providence, Rhode Island 02903

- 1.1 The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with OWNER, in a form to be prepared by the OWNER consistent with 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.
- 2.1 Bidder accepts all of the terms and conditions of the Invitation to Bid and Instructions to Bidders, including without limitation those dealing with the disposition of Bid security. The 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.
- 3.1 In submitting this Bid, Bidder represents, as set forth in the Bidding Documents and the Agreement, that:
  - A. The Bidder has examined and carefully studied the Bidding Documents, the other related data identified in the Bidding Documents, and any and all Addenda that Bidder has listed on the Bidder's Blank, receipt of all of which is hereby acknowledged.
  - B. As required to be indicated on the Bidder's Blank, Bidder acknowledges by so indicating that either this Bid conforms with the requirements of the Bidding Documents, or is based on modifications/exceptions taken to the Bidding Documents; any modifications have been provided by Bidder with this Bid as required.
  - C. Bidder has visited the Site and become familiar with and is satisfied as to the general, local, and Site conditions that may affect cost, progress, and performance of the Work.

**SECTION 00410**  
**BID FORM**

**ADDEMDUN 1**

- D. Bidder is familiar with and is satisfied as to all federal, state, and local Laws and Regulations that may affect cost, progress, and performance of the Work.
- E. Bidder has carefully studied all: (1) reports of explorations and tests of subsurface conditions at or contiguous to the Site and all drawings of physical conditions in or relating to existing surface or subsurface structures at or contiguous to the Site (except Underground Facilities) which, if any, have been identified in the Bidding Documents as provided in Paragraph 4.02 of the General Conditions (as modified by the Supplementary Conditions), and (2) reports and drawings of a Hazardous Environmental Condition, if any, which have been identified in the Bidding Documents as provided in Paragraph 4.06 of the General Conditions (as modified by the Supplementary Conditions).
- F. Bidder has obtained and carefully studied (or assumes responsibility for having done so) all additional or supplementary examinations, investigations, explorations, tests, studies, and data concerning conditions (surface, subsurface, and Underground Facilities) at or contiguous to the Site which may affect cost, progress, or performance of the Work or which relate to any aspect of the means, methods, techniques, sequences, and procedures of construction to be employed by the Bidder, including applying the specific means, methods, techniques, sequences, and procedures of construction expressly required by the Bidding Documents to be employed by the Bidder, safety precautions and programs incident thereto.
- G. Bidder does not consider that any further examinations, investigations, explorations, tests, studies, or data are necessary for the determination of this Bid for performance of the Work at the price(s) bid and within the times and in accordance with the other terms and conditions of the Bidding Documents.
- H. Bidder is aware of the general nature of any work to be performed by OWNER and/or others at the Site that relates to the Work as indicated in the Bidding Documents.
- I. Bidder has correlated the information known to Bidder, information and observations obtained from visits to the Site, reports and drawings identified in the Bidding Documents, and all additional examinations, investigations, explorations, tests, studies, and data with the Bidding Documents.
- J. Bidder has given OWNER written notice of all conflicts, errors, ambiguities, or discrepancies that Bidder has discovered in the Bidding Documents, and the resolution thereof by OWNER is acceptable to Bidder.
- K. The Bidding Documents are generally sufficient to indicate and convey understanding of all terms and conditions for the performance of the Work for which this Bid is submitted.



**SECTION 00410**  
**BID FORM**

**ADDEMDUN 1**

- 4.1 Bidder further represents that 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 agreement or rules of any group, association, organization, or corporation; Bidder has not directly or indirectly induced or solicited any other Bidder to submit a false or sham Bid; Bidder has not solicited or induced any individual or entity to refrain from bidding; and Bidder has not sought by collusion to obtain for itself any advantage over any other Bidder or over OWNER.
- 5.1 Bidder agrees that the Work will be completed and ready for final payment in accordance with Paragraph 14.07.B of the General Conditions, as modified by Paragraph 14.07.B.1 of the Supplementary Conditions, within the time frame specified for each project assignment as provided in Paragraph 2.03 of the General Conditions, as modified by Paragraph 2.03.A of the Supplementary Conditions.
- 5.2 Bidder accepts the provisions of the Bidding Documents as to liquidated damages, and in the event of failure to complete the Work within the times specified above agrees to pay \$5,500 per calendar day that completion is late beyond the specified times.
- 6.1 The following documents are attached to and made a condition of this Bid:
- A. Required Bid security;
  - B. Listing of proposed Subcontractors, Suppliers, and other individuals and entities required to be identified by the Bidding Documents;
  - C. Contractor Qualification Statement with supporting documentation required by the Bidding Documents.
- 7.1 The terms used in this Bid with initial capital letters have the meanings indicated in the Instructions to Bidders, the General Conditions, and the Supplementary Conditions.

**SECTION 00410  
BID FORM**

ADDEMDUN 1



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

**BID FROM:**

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

(SEAL)

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

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

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

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

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

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

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

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

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

\_\_\_\_\_

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

**Bidder State of Rhode Island License Information:**

License No.

Type of License/Trade Licensed

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

**UNIT RATES**

**for Water Main Replacement & Rehabilitation Work**

<b>1. Furnish &amp; Install 4-inch D.I. Water Main</b>	<u>40 LF</u>	_____
	Token Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>2. Furnish &amp; Install 6-inch D.I. Water Main</b>	<u>2,700 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>3. Furnish &amp; Install 8-inch D.I. Water Main</b>	<u>650 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>4. Furnish &amp; Install 12-inch D.I. Water Main</b>	<u>800 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>5. Furnish &amp; Install 16-inch D.I. Water Main</b>	<u>40 LF</u>	_____
	Token Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>6. Furnish &amp; Install 20-inch D.I. Water Main</b>	<u>40 LF</u>	_____
	Token Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

<b>7.</b>	<b>Furnish &amp; Install Ductile-Iron Pipe Fittings</b>	<u>11,500 LBS</u>	
		Est. Qty.	Price per LF (Figures)
	Price per Pound (Written)		Total Amt. Bid (Figures)
<b>8.</b>	<b>Furnish &amp; Install 4-Inch Gate Valve</b>	<u>1 EA</u>	
		Token Qty	Price per LF (Figures)
	Price per Each (Written)		Total Amt. Bid (Figures)
<b>9.</b>	<b>Furnish &amp; Install 6-Inch Gate Valve</b>	<u>66 EA</u>	
		Est. Qty.	Price per LF (Figures)
	Price per Each (Written)		Total Amt. Bid (Figures)
<b>10.</b>	<b>Furnish &amp; Install 8-Inch Gate Valve</b>	<u>15 EA</u>	
		Est. Qty.	Price per LF (Figures)
	Price per Each (Written)		Total Amt. Bid (Figures)
<b>11.</b>	<b>Furnish &amp; Install 12-Inch Gate Valve</b>	<u>12 EA</u>	
		Est. Qty.	Price per LF (Figures)
	Price per Each (Written)		Total Amt. Bid (Figures)
<b>12.</b>	<b>Furnish &amp; Install 16-Inch Gate Valve</b>	<u>1 EA</u>	
		Token Qty.	Price per EA (Figures)
	Price per Each (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

**13. Furnish & Install 12” Insertion Valve** 1 EA \_\_\_\_\_  
Est Qty. Price per EA (Figures)  
\_\_\_\_\_  
Price per Each (Written) Total Amt. Bid (Figures)

**14. Furnish & Install Fire Hydrant Assembly**  
**a. 6” Branch** 42 EA \_\_\_\_\_  
Est. Qty. Price per EA (Figures)  
\_\_\_\_\_  
Price per Each (Written) Total Amt. Bid (Figures)

**b. 8” Branch** 1 EA \_\_\_\_\_  
Token. Qty. Price per EA (Figures)  
\_\_\_\_\_  
Price per Each (Written) Total Amt. Bid (Figures)

**15. Furnish & Install 2-Inch Blow-off Assembly** 1 EA \_\_\_\_\_  
Token Qty. Price per EA (Figures)  
\_\_\_\_\_  
Price per Each (Written) Total Amt. Bid (Figures)

**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

<b>16. Remove 6" Gate Valve</b>	<u>5 EA</u>	_____
_____	Est. Qty.	Price per EA (Figures)
Price per Each (Written)	_____	Total Amt. Bid (Figures)
<b>17. Remove 6" Gate Box</b>	<u>2 EA</u>	_____
_____	Est. Qty.	Price per EA (Figures)
Price per Each (Written)	_____	Total Amt. Bid (Figures)
<b>18. Remove 6" Stub and Tee/ Cross</b>	<u>13 EA</u>	_____
_____	Est. Qty.	Price per EA (Figures)
Price per Each (Written)	_____	Total Amt. Bid (Figures)
<b>19. Remove 8" Stub and Tee/ Cross</b>	<u>1 EA</u>	_____
_____	Est. Qty.	Price per EA (Figures)
Price per Each (Written)	_____	Total Amt. Bid (Figures)
<b>20. Remove 12" Stub and Tee/ Cross</b>	<u>3 EA</u>	_____
_____	Est. Qty.	Price per EA (Figures)
Price per Each (Written)	_____	Total Amt. Bid (Figures)

**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

**21. Cast Iron Service**

<b>a. Remove and Replace Cast Iron 4" Service</b>	<u>87 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>b. Remove and Replace Cast Iron 6" Service</b>	<u>54 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>c. Remove and Replace Cast Iron 8" Service</b>	<u>7 LF</u>	_____
	Est. Qty.	Price per LF (Figures)
_____		_____
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

**22. Reconnect Existing Copper Water Services**

<b>a. Reconnect Existing 3/4" Copper Service</b>	<u>1 EA</u>	
(Including corporation Stop, copper tubing, coupling, and Appurtenances)	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Each (Written)		Total Amt. Bid (Figures)

<b>b. Reconnect Existing 1" Copper Service</b>	<u>15 EA</u>	
(Including corporation Stop, copper tubing, coupling, and Appurtenances)	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Each (Written)		Total Amt. Bid (Figures)

<b>c. Reconnect Existing 1-1/2" Copper Service</b>	<u>1 EA</u>	
(Including corporation Stop, copper tubing, coupling, and Appurtenances)	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Each (Written)		Total Amt. Bid (Figures)

<b>d. Reconnect Existing 2" Copper Service</b>	<u>1 EA</u>	
(Including corporation Stop, copper tubing, coupling, and Appurtenances)	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Linear Foot (Written)		Total Amt. Bid (Figures)



**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

**23. Cleaning and Lining Water Mains**

<b>a. Clean &amp; Line Existing 6" C.I. Water Main</b>	<u>17,300 LF</u>	
(Including the removal of existing 6" valves and, appurtenances during the cleaning and lining process)	Est. Qty.	Price per LF (Figures)

---

Price per Linear Foot (Written)		Total Amt. Bid (Figures)
---------------------------------	--	--------------------------

<b>b. Clean &amp; Line Existing 8" C.I. Water Main</b>	<u>3,500 LF</u>	
(Including the removal of existing 8" valves and, appurtenances during the cleaning and lining process)	Est. Qty.	Price per LF (Figures)

---

Price per Linear Foot (Written)		Total Amt. Bid (Figures)
---------------------------------	--	--------------------------

<b>c. Clean &amp; Line Existing 12" C.I. Water Main</b>	<u>3,300 LF</u>	
(Including the removal of existing 8" valves and, appurtenances during the cleaning and lining process)	Est. Qty.	Price per LF (Figures)

---

Price per Linear Foot (Written)		Total Amt. Bid (Figures)
---------------------------------	--	--------------------------

<b>d. Obstructions</b>	<u>1 EA</u>	
(Associated with the Cleaning and Lining Operations for The existing 6",8" and 12" C.I. water mains within the contract area)	Token. Qty.	Price per EA (Figures)

---

Price per Linear Foot (Written)		Total Amt. Bid (Figures)
---------------------------------	--	--------------------------

**CONTRACT 1-25**  
**BID SCHEDULE**

**CLEAN & LINE**  
**ADDEMDUN 1**

**PART 1**

**24. Temporary By-Pass Piping System**

<b>a. Furnish &amp; Install Temporary 2" By-Pass Piping</b>	<u>24,000 LF</u>	
(Including temporary services and hydrants)	Est. Qty.	Price per LF (Figures)
<hr/>		
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

<b>b. Furnish &amp; Install Temporary 4" By-Pass Piping</b>	<u>22,500LF</u>	
(Including temporary services and hydrants)	Est. Qty.	Price per LF (Figures)
<hr/>		
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

<b>c. Furnish &amp; Install Temporary 6" By-Pass Piping</b>	<u>8,000 LF</u>	
(Including temporary services and hydrants)	Est. Qty.	Price per LF (Figures)
<hr/>		
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

**25. Abandoned Lead Service - Remove**

<b>a. Remove &amp; Dispose of Lead Service Pipe (if required)</b>	<u>2,029 LF</u>	
	Est. Qty.	Price per LF (Figures)
<hr/>		
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

<b>b. Close Old Corporation &amp; Cut and Crimp Old Lead Service Pipe</b>	<u>138 EA</u>	
	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Each (Written)		Total Amt. Bid (Figures)

<b>c. Remove &amp; Dispose of Old Curb Stop &amp; Service Box</b>	<u>138 EA</u>	
	Est. Qty.	Price per EA (Figures)
<hr/>		
Price per Each (Written)		Total Amt. Bid (Figures)

PART 1

UNIT RATES for Earthwork and Restoration  
within Public Space

**26. Earthwork**

<b>a. Gravel Borrow</b>	<u>500 TN</u>	
	Est. Qty.	Price per TN (Figures)
_____		_____
Price per Ton (Written)		Total Amt. Bid (Figures)

<b>b. Test Pits</b>	<u>50 CY</u>	
	Token Qty.	Price per CY (Figures)
_____		_____
Price per Cubic Yard (Written)		Total Amt. Bid (Figures)

**27. Temporary Restoration**

<b>a. Furnish &amp; Place Sidewalk Pavement- 2" Bituminous</b>	<u>100 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

**b. Furnish & Place Street Pavement - 2" Bituminous**  
**ITEM NOT APPLICABLE TO THIS CONTRACT**

**c. Furnish & Place Street Pavement - 4" Bituminous**  
**ITEM NOT APPLICABLE TO THIS CONTRACT**

**d. Furnish & Place Street Pavement - 6" Bituminous**  
**ITEM NOT APPLICABLE TO THIS CONTRACT**

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

**28. Permanent Restoration**

<b>a. Furnish &amp; Place Street Pavement- 4” Bituminous</b>	<u>5,600 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)
<b>b. Furnish &amp; Place Street Pavement- 6” Bituminous</b>	<u>1,450 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)
<b>c. Furnish &amp; Place Street Pavement- 9” Bituminous</b>	<u>250 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)
<b>d. Furnish &amp; Place Street Pavement-Concrete Base</b>	<u>40 SY</u>	
	Token Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)
<b>e. Furnish &amp; Place Sidewalk (Driveway) Pavement- 3” Bit</b>	<u>25 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)
<b>f. Furnish &amp; Place Sidewalk Pavement- 4” Concrete</b>	<u>50 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

<b>g. Furnish &amp; Place Sidewalk (Driveway)</b>	<u>20 SY</u>	
<b>Pavement- 6" Conc.</b>	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

<b>h. Brick / Paver Restoration</b>	<u>20 SY</u>	
	Token. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

<b>i. Cobblestone Restoration</b>	<u>20 SY</u>	
	Token Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

<b>29. Cold Plane / Micro Mill Bituminous Pavement Restoration (2" Depth)</b>	<u>10,000 SY</u>	
	Est. Qty.	Price per SY (Figures)
_____		_____
Price per Square Yard (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

**30. Select Curb Restoration**

<b>a. Furnish &amp; Install Granite Curbing (Vertical Face)</b>	<u>20 LF</u>	
	Token Qty.	Price per LF (Figures)
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>b. Furnish &amp; Install Precast Concrete Curbing (Vertical Face)</b>	<u>20 LF</u>	
	Token Qty.	Price per LF (Figures)
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>c. Furnish &amp; Install Bituminous Curbing (Vertical Face)</b>	<u>20 LF</u>	
	Token Qty.	Price per LF (Figures)
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>d. Cast-in-Place Concrete Curbing</b>	<u>20 LF</u>	
	Token Qty.	Price per LF (Figures)
Price per Linear Foot (Written)		Total Amt. Bid (Figures)
<b>e. Reset Existing Curbing</b>	<u>100 LF</u>	
	Est. Qty.	Price per LF (Figures)
Price per Linear Foot (Written)		Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 1**

**TOTAL BASE BID**

- a. Water Main Rehabilitation Work (Bid Item Nos. 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14a, 14b, 15, 16a to 16c, 17a to 17d, 18a to 18d, 19a to 19c, 20a to 20c)**

\_\_\_\_\_  
Total Bid Price (Written)

\_\_\_\_\_  
Total Bid Amt (Figures)

- b. Earth Work and Restoration (Bid Item Nos., 21a, 21b, 22a, 23a to 23i, 24, 25a to 25e)**

\_\_\_\_\_  
Total Bid Price (Written)

\_\_\_\_\_  
Total Bid Amt (Figures)

**TOTAL BASE BID (PART 1): Overall Contract Area**  
(Sum of a and b above)

\_\_\_\_\_  
Total Bid Price Amount (Written)

\_\_\_\_\_  
Total Bid Price Amount (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 2**

**UNIT RATES for**

**Traffic Control and Service Abandonments**

**31. Traffic Control**

**a. Police Details**

Three Hundred Thousand and Zero/100 Dollars

\$300,000.00

ALLOWANCE - Total Bid Price (Written)

Total Amt. Bid (Figures)

**b. Flaggers**

Three Hundred Thousand and Zero/100 Dollars

\$300,000.00

ALLOWANCE - Total Bid Price (Written)

Total Amt. Bid (Figures)



**PART 2**

**UNIT RATES for**

**Traffic Control and Service Abandonments**

**32. Cast Iron Abandonment.**

**a. Remove & Dispose Abandoned 2” Services**

(Includes Removal of Existing Fittings, Piping, and Appurtenances & New Pipe & Couplings for Tie-in)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**b. Remove & Dispose Abandoned 4” Services**

(Includes Removal of Existing Fittings, Piping, and Appurtenances & New Pipe & Couplings for Tie-in)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**c. Remove & Dispose Abandoned 6” Services**

(Includes Removal of Existing Fittings, Piping, and Appurtenances & New Pipe & Couplings for Tie-in)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**d. Remove & Dispose Abandoned 8” Services**

(Includes Removal of Existing Fittings, Piping, and Appurtenances & New Pipe & Couplings for Tie-in)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

PART 3

UNIT RATES for

Appurtenances within Private Property ONLY and Replacement of Lead Services

**33. Install New Water Service within Private Property**

**a. Furnish and Install 1" Private Side Services**

From Curb Stop to inside Water Meter location (Includes Removal & Disposal of Lead Service Pipe, Associated interior pipework, fittings, and appurtenances)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**b. Furnish and Install 2" Private Side Services**

From Curb Stop to inside Water Meter location (Includes Removal & Disposal of Lead Service Pipe, Associated interior pipework, fittings, and appurtenances)

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**c. Permanent Restoration of Grassed Areas, Sidewalks, and Driveways (Private Side LSR)**

Restoration of grass lawns, both concrete and asphalt sidewalks and driveways, brick, pavers, and cobblestone areas, which are disturbed as a result of the private side lead service replacement.

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 3**

**34. Lead Service Replacement**

- a. Furnish and Install 1" Copper Tubing  
(Trenchless Technology)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

- b. Furnish and Install 1" Copper Tubing  
(Open-Cut Trench)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

- c. Furnish and Install 1" Corporation Stop, Curb Stop  
And Service Box  
(Includes Corp, Curb Stop & Service Box)**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

**35. Lead Service Replacement**

- a. Furnish and Install 1-1/2" Copper Tubing  
(Trenchless Technology)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

- b. Furnish and Install 1-1/2" Copper Tubing  
(Open-Cut Trench)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

- c. Furnish and Install 1-1/2" Corporation Stop,  
Service Saddle, Curb Stop and Service Box  
(Includes Corp, Service Saddle, Curb Stop & Service Box)**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 3**

**36. Lead Service Replacement**

**a. Furnish and Install 2” Copper Tubing  
(Trenchless Technology)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

**b. Furnish and Install 2” Copper Tubing  
(Open-Cut Trench)**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

**c. Furnish and Install 2” Corporation Stop,  
Service Saddle, Curb Stop and Service Box  
(Includes Corp, Service Saddle, Curb Stop & Service Box)**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per LF (Figures)

\_\_\_\_\_  
Total Amt. Bid (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 3**

**37. Reducer Pressure Zone (RPZ) Backflow Preventers – Commercial Customers**

**a. Furnish, Install, and Test 3/4" RPZ Backflow Preventer**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**b. Furnish, Install, and Test 1" RPZ Backflow Preventer**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**c. Furnish, Install, and Test 1-1/2" RPZ Backflow Preventer**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**d. Furnish, Install, and Test 2" RPZ Backflow Preventer**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

PART 4

MISCELLANEOUS UNIT RATES

for WORK not Specified in Parts 1,2, and 3

**38. Existing Water Main Flow Stopping Device (Single)**

**a. Furnish & Install 6" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**b. Furnish & Install 8" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**c. Furnish & Install 12" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**39. Existing Water Main Flow Stopping Device (Double)**

**a. Furnish & Install 6" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**b. Furnish & Install 8" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**c. Furnish & Install 12" Single Line Stop Device**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 4**

**40. Tapping Sleeves and Valves**

**a. Furnish & Install 6" x 6" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**b. Furnish & Install 8" x 8" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**c. Furnish & Install 8" x 6" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**d. Furnish & Install 12" x 6" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**e. Furnish & Install 12" x 8" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**f. Furnish & Install 12" x 12" Tapping Sleeve & Valve**

\_\_\_\_\_  
Price per Each (Written)

\_\_\_\_\_  
Price per EA (Figures)

**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 4**

**41. Insertion Valves**

**a. Furnish & Install 6” Insertion Valve**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**b. Furnish & Install 8” Insertion Valve**

\_\_\_\_\_

Price per Each (Written)

\_\_\_\_\_

Price per EA (Figures)

**42. Provisional Items**

**a. Infrared Bituminous Pavement Restoration**

\_\_\_\_\_

Price per Square Yard (Written)

\_\_\_\_\_

Price per SY (Figures)

**REFER TO PART 1**

**b. Furnish & Place Temporary Street Pavement- 2” Bituminous**

\_\_\_\_\_

Price per Square Yard (Written)

\_\_\_\_\_

Price per SY (Figures)

**c. Furnish & Place Temporary Street Pavement- 4” Bituminous**

\_\_\_\_\_

Price per Square Yard (Written)

\_\_\_\_\_

Price per SY (Figures)

**d. Furnish & Place Temporary Street Pavement- 6” Bituminous**

\_\_\_\_\_

Price per Square Yard (Written)

\_\_\_\_\_

Price per SY (Figures)



**CONTRACT 1-25  
BID SCHEDULE**

**CLEAN & LINE  
ADDEMDUN 1**

**PART 4**

**e Exploratory Video Inspection**

\_\_\_\_\_  
Price per Linear Foot (Written)

\_\_\_\_\_  
Price per LF (Figures)

**f Trench Rock Excavation & Removal**

\_\_\_\_\_  
Price per Cubic Yard (Written)

\_\_\_\_\_  
Price per CY (Figures)

**g Master co Service Fee (Base Rate)**

\_\_\_\_\_  
Cost of Plumber (Written)

Hrs. Minimum

\_\_\_\_\_  
Cost of Plumber (Figures)

**h Master Plumber Service Fee (Hourly Rate beyond Base Rate)**

\_\_\_\_\_  
Price per Hour (Written)

\_\_\_\_\_  
Price per Hour (Figures)

**i Plumbing Permit**

\_\_\_\_\_  
Price per Permit (Written)

\_\_\_\_\_  
Price per Permit (Figures)

PART 5  
LABOR RATES

For ADDITIONAL WORK not specified in Parts 1,2, and 3.

**43. Labor Rates per hour – includes insurance, fringes, and overhead.**

(Submission of Certified Payrolls Required)

<b>a.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>b.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>c.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>d.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>e.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>f.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour
<b>g.</b>	_____	\$ _____	
Classification			Standard Rate per hour
		\$ _____	
			Overtime Rate per hour

Use additional sheets if necessary.

PART 5

EQUIPMENT RATES

for ADDITIONAL WORK not specified in Parts 1,2, and 3.

44. Equipment Rates

a.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
b.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
c.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
d.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
e.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
f.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
g.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
h.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
i.	_____	\$	_____
Type	Make	Year	Standard Rate per hour
j.	_____	\$	_____
Type	Make	Year	Standard Rate per hour

Use additional sheets if necessary.

PART 5

MATERIALS & SUBCONTRACTOR COST MARUP

For ADDITIONAL WORK not specified in Parts 1,2, and 3.

**45. Materials Cost Markup Percentage**

- a. **Contractor's Cost plus**  
(Submission of Original Invoice Required)

\_\_\_\_\_  
Percentage (Written)

\_\_\_\_\_  
Percentage (Figures)

**46. Subcontractor Cost Markup Percentage**

- b. **Contractor's Cost plus**  
(Submission of Original Invoice Required)

\_\_\_\_\_  
Percentage (Written)

\_\_\_\_\_  
Percentage (Figures)

**SECTION 01150**

**MEASUREMENT & PAYMENT**

## **General**

### **1.1 EXTENT OF WORK**

#### **1.1.1 Measurement**

**1.1.1.1** The quantities to be measured under the various items in the Bidder's Blank will be those quantities of work completed in accordance with the Specifications. The methods of measurement will be as stated hereinafter for the individual items.

**1.1.1.2** All quantities, except for lump sum items, shall be unit priced and measured for payment to the nearest one-tenth of a unit.

#### **1.1.2 Prices**

**1.1.2.1** The unit rates in the Bidder's Blank shall be full compensation for the work of the Contractor specified and shall include the cost of furnishing all labor, materials, equipment, and all work and expense incidental to and necessary to complete the work in accordance with the Specifications.

### **1.2 WORK NOT PAID FOR SEPARATELY**

#### **1.2.1 Delivery**

**1.2.1.1** Payment for equipment delivery, storage or freight is included in the prices for the various items in the Bidder's Blank, and therefore no other separate payment will be made.

#### **1.2.2 Bonds**

**1.2.2.1** Payment for bonds required by the contract is included in the prices bid for the various items of work in the Bidder's Blank, and therefore no separate payment will be made.

#### **1.2.3 Permits and Licenses**

**1.2.3.1** Payment for permits and/or licenses required by the contract are included in the prices bid for the various items of work in the Bidder's Blank, and therefore no separate payment will be made.

**1.2.3.2** Permits required by Municipalities.

**SECTION 01150  
MEASUREMENT & PAYMENT**

**ADDEMDUM 1**

**1.2.4 Primary Road Work**

**1.2.4.1** Additional payment for work along primary, state, major/minor arterial roadways or roadways with concrete base required by the contract shall be considered to be included in the prices bid for the various items of work in the Bidder's Blank, and therefore no additional compensation will be made.

**1.2.5 Night Work**

**1.2.5.1** There may be instances where night work may be required per project-specific conditions, permitting requirements, to accommodate the service needs of particular business or agency, and/or to reduce risk to travelers and workers, etc. Such work shall be considered to be included in the prices bid for the various items of work in the Bidder's Blank, and therefore no additional compensation will be made. The Contractor shall conform to the requirements of local permitting authority and at minimum the latest revision to the Manual on Uniform Traffic Control Devices for Streets and Highways (MUTCD).

**Measurement**

**2.1 METHOD OF MEASUREMENT**

**2.1.1 PIPELINE SYSTEMS – PUBLIC SPACE**

- A. Ductile-iron Pipe: Buried ductile-iron pipes utilized for water main replacement, including ductile-iron service laterals, of the various sizes listed in the Bid Schedule (**Item Nos. 1, 2, 3, 4, 5, 6**), shall be measured for payment by the "Linear Foot" (L.F.), as measured along the centerline of the pipe, measured through all fittings and valves in the line, complete, in place and accepted by the OWNER.
- B. Ductile-iron Fittings: Ductile-iron pipe fittings (e.g. pipe bends, tees, caps/plugs, etc.), including pipe couplings or solid sleeves for connections to existing water mains, as listed in the Bid Schedule (**Item No. 7**), shall be measured by the unit "pounds" (LBS.), for the number of pounds for the weight of fittings and couplings installed, complete, in-place and accepted by the OWNER. The measurement shall be based on the weight of the fitting or coupling, as provided by the standard fitting weights published in AWWA C153 and AWWA C219 for ductile iron compact fittings and couplings. There shall be no separate measurement for glands, joint restraints, or other appurtenances.
- C. Gate Valves: Gate valves, of the various sizes listed in the Bid Schedule (**Item**

**SECTION 01150  
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Nos. 8, 9, 10, 11, 12), shall be measured by the unit "Each" (EA.), for each gate valve installed, complete, in-place and accepted by the OWNER.

- D. 12" Insertion Valve: Gate valve (Item No. 13), shall be measured by the unit "Each" (EA.), for each gate valve installed, complete, in-place and accepted by the OWNER.
- E. Fire Hydrant Assembly: New fire hydrant assemblies, as listed in the Bid Schedule (Item Nos. 14a and 14b), shall be measured by the unit "Each" (EA.), for each fire hydrant assembly installed at the designated locations, complete, in-place, as shown in the detail, and accepted by the OWNER.
- F. Blow-off Assembly: New 2-inch blow-off assemblies, as listed in the Bid Schedule (Item No. 15), shall be measured by the unit "Each" (EA.), for each blow-off assembly installed at select locations at the ends of designated water mains, complete, in-place, as shown in the detail, and accepted by the OWNER.

**2.1.2 SERVICE CONNECTIONS**

- A. Copper Tubing (Part 3 - Replacement of Lead Services): The furnishing and installation of Copper Tubing to replace existing lead services with new buried water services within the Public Space, as listed in the Bid Schedule (Item Nos. 34a, 34b, 35a, 35b, 36a, and 36b) will be measured for payment by the unit "Linear Foot" (L.F.) of the actual number of linear feet of service tubing installed by either open-cut trench or trenchless technology means and methods, completed in place and accepted as part the assigned lead service replacement contract work.
- B. Corporation Stops, Curb Stops, and Service Boxes (Part 3 - Replacement of Lead Services): The furnishing and installation of Corporation Stops, (Saddles for 1-1/2" and 2" Services), Curb Stops, and Service Boxes, of the sizes indicated, as listed in the Bid Schedule (Item Nos. 34c, 35c, and 36c), will be measured by the unit "Each" (EA.), complete in place and accepted for each new water service installation associated with the water main rehabilitation, or at other locations as directed by the OWNER.
- C. Cast Iron Service Reconnections: The reconnection of existing cast iron water services, of the sizes listed in Part 1 of the Bid Schedule (Item Nos. 16a to 16c), will be measured by the unit "Linear Foot" (LF.), for the actual laid length of service that is reconnected to the new water main, complete in place and accepted.
- D. Copper Service Reconnections: The reconnection of existing copper water services, of the sizes listed in Part 1 of the Bid Schedule (Item Nos. 22a to 22d), will be measured by the unit "EACH" (EA.), for each existing copper service that is reconnected to



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the new water main, complete in place and accepted.

- E. Existing Lead Service Replacement:
- i. Lead Service Removal: The removal and disposal of existing lead water services, removed by either open-cut trench or by trenchless technology at the designated public side and private side lead service replacement locations will not be measured for separate payment, but the cost thereof will be considered to be included with the unit bid prices for the lead service replacement work under **Part 3 of the Bid Schedule**.
  - ii. Private Side Lead Service Abandonment: The abandonment of existing lead water service pipe, resulting from the relocation of the service or the use of a mole or tunneling device at designated private side lead service replacement locations will not be measured for separate payment, but the cost thereof will be considered to be included with the unit bid prices for the lead service replacement work under **Part 3 of the Bid Schedule**.
  - iii. Corporation Stop Closure and Curb Stop Removal: The closure or removal of existing service corporation stops, and the removal of existing curb stops and service boxes, will not be measured for separate payment, but the cost thereof will be considered to be included with the unit bid prices for the lead service replacement work under **Part 3 of the Bid Schedule**.

**2.1.3 CLEANING AND LINING EXISTING WATER MAINS**

- A. The quantity for “Cleaning and Lining Existing 6”, 8” and 12” C.I. Water Mains, as listed in the Bid Schedule (**Item Nos. 23a to 23c**), will be measured for payment by the unit “Linear Foot” (L.F.), along the centerline of the existing water mains that are actually cleaned and lined with the specified cement mortar thicknesses, complete and accepted at the designated street locations.
- B. The quantity for “Obstructions, as listed in the Bid Schedule (**Item No. 23d**), will be measured for payment by the unit “Each” (EA.), for the actual number of each obstruction encountered and removed from the existing water main, as defined in Section 05200, Cleaning and Lining Water Mains, of these Contract Specifications.

**2.1.3.1 EXPLORATORY VIDEO INSPECTION**

The quantity for “Exploratory Video Inspection”, as listed in the Bid Schedule (**Item No. 42e**), will be measured for payment by the unit “Linear Foot” (L.F.), as tracked / recorded in the video footage of the existing water mains at OWNER designated locations.

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**2.1.4 TEMPORARY BYPASS PIPING SYSTEMS**

- A. Temporary Bypass Piping: The furnishing and installation of temporary bypass piping, of the sizes listed in **Part 1** of the Bid Schedule (**Item Nos. 24a to 24c**), including temporary services and hydrants, will be measured for payment by the unit “Linear Foot” (L.F.), for the actual laid length of temporary bypass piping, complete in place and accepted along each street location, to facilitate the removal and replacement of the existing water mains serving those areas. The furnishing of temporary services for each home or building, and the associated connections to the temporary bypass piping, and connections to other existing water mains with corporation stops, where necessary, will not be measured separately for payment.

**2.1.5 EARTHWORK**

- A. Trench Excavation: The volume of trench excavation, as is required for the work specified under these Contract Specifications, shall not be measured separately for payment, but the costs thereof shall be considered to be included in the unit price bid for the applicable work items under "PIPELINE SYSTEMS," as described herein for the overall water main replacement work.
- B. Gravel Borrow (Refill): Where, through no fault of the Contractor, sufficient suitable materials from excavations are not available for backfill, or unsuitable materials exist below the normal trench lines, gravel borrow from off-site sources shall be used for backfilling or refilling excavations. Gravel Borrow, as listed in Part 1 of the Bid Schedule (**Item No. 26 a**), will be measured for payment by the unit “Tons” (TN), for gravel borrow in-place, compacted to the lines, grades and limits as directed by the OWNER.
- C. Test Pits: Where and when directed by the OWNER, the Contractor shall excavate test pits to establish locations of existing pipelines or other buried structures. Test Pits, as listed in Part 1 of the Bid Schedule (**Item No. 26b**), will be measured for payment by the unit “Cubic Yards” (CY), for the volume of material excavated within the lines and limits, as ordered by the OWNER.
- D. Rock Excavation: Including Disposal and Refill with Suitable Material when encountered, the volume of rock excavation, as listed in **Part 4** of the Bid Schedule, as “Trench Rock Excavation & Removal” (**Item No. 42 f**), will be measured for payment in “Cubic Yards” (CY) in its original position, prior to excavation, computed based on the pre-approved trench width, length of rock excavation and average depth of rock excavation. Boulders or detached rock fragments which are less than 1 cubic yard shall not be measured for payment separately, but shall be classified as earth excavation.

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- E. Boulders or detached rock fragments, which are 1 cubic yard or more, shall be measured for payment individually and the volume will be computed from average dimensions taken in three representative directions. Boulders or detached rock fragments that are located within the excavation limits of the water main, service piping, or other appurtenances, or above the existing grade along the route of the water main or service piping, and are required to be removed to facilitate trenching, shall be measured as specified above. The Contractor shall clean rock formation for measurement and notify the OWNER that the boulders and/or excavated rock fragments are ready for measurement. If the Contractor fails to give such notice, then the OWNER will take measurement at the time he first observes the formation in question, and this quantity will be used for payment.

**2.1.6 TEMPORARY RESTORATION - BITUMINOUS PAVEMENT**

The area of temporary restoration, as is required for the work specified under these Contract Specifications, shall not be measured separately for payment, but the costs thereof shall be considered to be included in the unit price bid for the applicable work items under "PIPELINE SYSTEMS," as described herein for the overall water main replacement work.

**2.1.7 PERMANENT RESTORATION – BITUMINOUS STREET PAVEMENT**

**2.1.7.1 TRENCH RESTORATION**

- A. The extent of permanent bituminous concrete pavement, which is placed to restore all roadways that have existing gravel bases, as listed in Part 1 of the Bid Schedule (**Item No. 28a, 28b and 28c**), will be measured and computed in square yards to the nearest 1/10th of a "Square Yard" (SY). The width for measurement of the permanent bituminous (hot mix) pavement structure, of the specified courses and thicknesses, will be the specified width within the payment line limits, as described and shown on the trench details for the restored pavement surface, and the length will be the actual length of the trench pavement limits, as measured along the center line of the trench.
- B. The extent of concrete placed to restore roadways with a reinforced concrete road base, as listed in **Part 1** of the Bid Schedule (**Item No. 28d**), will be measured and computed in square yards to the nearest 1/10th of a "Square Yard" (SY). The width and length for measurement of the replaced reinforced concrete road base, will be the actual limits of the sawcut trench excavation measured in the field. Furnishing and installing 1" diameter epoxy coated steel reinforcing dowels 18 inches on center will be considered included in the unit price bid for this particular item of

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permanent street pavement restoration.

**2.1.7.2 INFRARED RESTORATION**

The extent of infrared permanent bituminous pavement restoration, to restore select roadway patches, as listed in **Part 4** of the Bid Schedule (**Item Nos. 42a**) will be measured for payment by the "Square Yard (SY). Measurement will be computed based on the actual width and length dimensions of the burned back asphalt measured in the field. The limits of work for infrared restoration areas will be determined in the field as directed by the OWNER. Contractor shall minimize limits of asphalt burn back to 6" beyond the existing temporary patch edge or as determined in the field as directed by the OWNER.

**2.1.7.3 MILL AND OVERLAY**

The extent of cold plane/micro mill bituminous pavement restoration, to restore select roadways, as listed in **Part 1** of the Bid Schedule (**Item Nos. 29**), will be measured for payment by the "Square Yard (SY). Measurement will be computed based on the actual width and length dimensions as measured in the field. The limits of work for cold plane/micro mill restoration areas will be determined in the field as directed by the OWNER.

**2.1.8 PERMANENT RESTORATION - SIDEWALKS & DRIVEWAYS**

- A. Restoration of bituminous sidewalks and driveways, which are disturbed as a result of construction operations, as listed in **Part 1** of the Bid Schedule (**Item No. 28e**), will be measured for payment by the "Square Yard (SY). Measurement will be computed based on the actual width and length dimensions measured in the field for the specified depth of new pavement. The limits of work for the sidewalk and driveway restoration areas will be as specified, or as determined in the field and directed by the OWNER.
  
- B. Restoration of cement concrete sidewalks and driveways, which are disturbed as a result of construction operations, of the specified thicknesses, as listed in **Part 1** of the Bid Schedule (**Item Nos. 28f and 28g**), will be measured for payment by the square yard (SY). Measurement will be computed based on the actual width and length dimensions measured in the field for the specified depth of new concrete pavement. Contractor shall minimize limits of disturbance for the restoration of the sidewalk and driveway panels, which will be determined in the field as directed by the OWNER.

**2.1.9 BRICK / PAVER AND COBBLESTONE RESTORATION**

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The restoration of existing brick / paver, or cobblestone sidewalks, driveways, or streets, which are disturbed as a result of construction operations associated with the service replacement work, as directed by the OWNER at select locations, as listed in **Part 1** of the Bid Schedule (**Item Nos. 28h and 28i**), will be measured for payment by the unit "Square Yard" (S.Y.). Measurement will be computed based on the actual width and length dimensions measured in the field at the site of the approved brick / paver, or cobblestone sidewalk, walkway, driveway, or street restoration. Contractor shall minimize the limits of disturbance of existing brick / paver, or cobblestone to remain during construction and removal operations.

**2.1.10 CURB RESTORATION**

- A. Replacement of granite, precast concrete, cast-in-place concrete, or bituminous street curbing, to restore existing broken or deteriorated curbing, as directed by the OWNER at select locations, as listed in **Part 1** of the Bid Schedule (**Item Nos. 30a, 30b, 30c and 30d**), will be measured for payment by the unit "Linear Foot" (L.F.), of the actual number of linear feet of new curbing installed. Contractor shall minimize the limits of disturbance of existing sound curbing to remain during construction operations.
  
- B. The resetting of existing concrete or granite curbing, which may be required outside of the service replacement trench limits to accommodate the proper restoration of the existing sidewalk, or as directed by the OWNER at select locations, as listed in **Part 1** of the Bid Schedule (**Item No. 30e**), will be measured for payment by the unit "Linear Foot" (L.F.). Measurement will be computed based on the actual number of linear feet, as measured in the field, of existing concrete or granite curbing that is disturbed and reset, as directed and approved by the OWNER.

**2.1.11 GRASS RESTORATION**

Restoration of grassed areas in the public right of way or on private property, which are disturbed as a result of construction operations, will not be measured separately for payment, but the costs thereof will be considered included in the price bid for the applicable work items under "PIPELINE SYSTEMS – PUBLIC SPACE". The limits of work for the grass restoration areas will be as specified, or as determined in the field and directed by the OWNER.

**2.1.12 CLEARING AND GRUBBING**

No separate payment will be made for clearing and grubbing. The costs thereof will be considered included in the price bid for the applicable work items, as described herein.

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**2.1.13 ABANDONMENTS/ REMOVAL WATER APPURTENANT**

- A. Abandoned Lead Service Removal (Part 1 Bid Schedule): The work performed in connection with the exclusive removal of existing Abandoned Lead Services, as listed in the Bid Schedule (Item Nos. 25a to 25c), will be measured for payment by the unit "Linear Foot" (L.F.) for the actual number of linear feet of service tubing removed (if required); and "Each" for the closing or the removal of the existing corporation stop, plugging of the existing tap (as applicable), and the removal and disposal of the existing service box. Abandoned Lead Service Removals at designated locations within the scope of work will be directed by the OWNER.
- B. Cast Iron Abandonments: The removal and disposal of existing 4", 6" and 8" Services, as listed in Part 2 of the Bid Schedule (Item Nos. 32a, 32b, 32c and 32d), will be measured for payment by the unit "per Each" upon completion of the following: removal of existing fittings, piping, appurtenances and incidental piping work required for tie-in to the existing cast iron water main. No additional payment shall be made for the tie-in (i.e. couplings, piping, and other necessary fittings) required to remove these abandonments. These items are intended for Cast Iron Abandonments
- C. **Removal 6" Gate Valve and Gate Box: The removal and disposal of existing 6" gate valve and/or gate box in Part 1 of the Bid Schedule (Items 16 and 17) will be measured for payment by unit "per Each" upon completion of the following: removal of existing fittings, piping, appurtenances and incidental piping work.**
- D. **Removal Stub and Tee/Cross: The removal and disposal of existing 6", 8" and 12" Stub and Tee/Cross in Part 1 of the Bid Schedule (Items 18 to 20) will be measured for payment by unit "per Each" upon completion of the following: removal of existing fittings, piping, appurtenances and incidental piping work required for tie-in to the existing cast iron water main.**
- E. No additional payment shall be made for the abandonment of existing water mains, services, plugged stubs, and other appurtenant fitting removals as specified on the design plans. The cost, thereof, will be considered to be included with the unit bid prices for the Water Main Replacement and Rehabilitation work under Part 1 of the Bid Schedule.
- F. No additional payment shall be made for the reconnect/tie-in of existing active cast and ductile iron services within the project scope of work. The cost, thereof, will be considered to be included with the unit bid prices for the Water Main Replacement and Rehabilitation work under Part 1 of the Bid Schedule.

**2.1.14 PIPELINE SYSTEMS - PRIVATE SIDE SERVICES**

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- A. The furnishing and installation of 1” and 2” water services within Private Property, as listed in Part 3 of the Bid Schedule (Item Nos. 33a and 33b), will be measured for payment by the unit “Each” (EA.) completed and accepted, at the designated private-side lead service replacement locations.
- B. Utility Crew (Base Rate): The base rate per Utility Crew for the services employed to complete Private Side lead service replacements, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items 33a and 33b.
- C. Utility Crew (Hourly Rate beyond Base Rate): The rate per Utility Crew beyond a four (4) hour period, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items 33a and 33b.
- D. Permanent Restoration of Grassed Areas, Sidewalks, and Driveways (Private Side LSR)s: Restoration of grass lawns, both concrete and asphalt sidewalks and driveways, brick, pavers, and cobblestone areas, which are disturbed as a result of the private side lead service replacement, as listed in Part 3 of the Bid Schedule (Item No. 33c), will be measured for payment by the unit “Each” (EA.) completed and accepted, at the designated private-side lead service replacement locations. The limits of work for these restoration areas will be as specified, or as determined in the field and directed by the OWNER.
- E. The removal and disposal of existing lead water services removed by either open-cut trench or by trenchless technology means and methods, pipe fittings, couplings, adapters, and other appurtenances, of the various sizes required, will not be measured separately for payment, but the costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS – PRIVATE SPACE”, as described herein.
- F. The furnishing and installation of individual interior 1” or 2" Ball Valves, as required to isolate the meter, complete in place and accepted for each private water service installation, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items 33a and 33b.
- G. The furnishing and installation of an interior 1” or 2" Pressure Reducing Valves, as applicable and if required, complete in place and accepted for each private water service installation, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items 33a and 33b.
- H. The furnishing and installation of a Jumper Pipe at a new water meter location may be required. No additional payment shall be made for installation of a Jumper Pipe,

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but the costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS – PRIVATE SPACE”.

- I. The furnishing and installation of a 1” Backflow Prevention Devices, as applicable and if required, complete in place and accepted for each private water service installation, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items **33a and 33b**.
- J. The furnishing and installation of a new Expansion Tank, as applicable and if required, complete in place and accepted for each private water service installation, will not be measured separately for payment, but the costs thereof will be considered to be included with the unit bid prices in Items 26a and 26b.
- K. Master Plumber Service Fee (Base Rate): The base rate per Master Plumber, as listed in Part3 of the BID Schedule (**Item No.42g**), will be measured as a “lump sum” for the services employed to complete Private Side lead service replacement.
- L. Master Plumber Service Fee (Hourly Rate beyond Base Rate): The rate per Master Plumber beyond the minimum allotted hours in the base rate, as listed in Part3 of the BID Schedule (**Item No.42h**), will be measured by the unit “per hour” for the services employed to complete Private Side lead service replacement.
- M. Plumbing Permit: The Plumbing Permit, as listed in Part 3 of the BID Schedule (**Item No.42i**), will be measured as a lump sum” for the fee required by the municipality to complete Private Side lead service requirements.
- N. The furnishing, installation, and testing of a new Reduced Pressure Zone (RPZ) Backflow Prevention devices, of the sizes listed in Part 3 of the Bid Schedule (**Item Nos. 37a to 37d**), will be measured by the unit "Each" (EA.) complete in place and accepted for each new private water service installation associated with select commercial properties, as directed by the OWNER.

**2.1.15 TRAFFIC CONTROL**

- A. Uniformed Traffic Control Police: Special Duty Police for uniformed traffic control within the project's limits of construction, as required by the local Police Departments of the respective Cities and Towns, will be reimbursed to the Contractor per pay period as a pass-through without markup. The Contractor will call in the details and pay the invoices to the respective cities and towns that they have utilized for the period. For reimbursement purposes, the Contractor shall forward detail voucher (slip) copies to PWSB, with a copy of the invoice for verification.
- B. Flagpersons: The utilization of Flagpersons for traffic control employed within the project's limits of construction, as directed by the Engineer and/or the local Police



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Departments of the respective Cities and Towns, will be paid by the OWNER per pay application. If flagger services are subcontracted, the Contractor shall forward flagger invoices with certified payroll to PWSB for payment without markup. If the flagperson is employed by the General Contractor, flagger services shall be compensated for the employee's hourly wage without markup.

- C. Temporary Construction Signage and Traffic Control Devices: Measurement for the placement and relocation of temporary construction signs, traffic cones, drums, barricades, or other traffic control devices, will not be measured separately for payment, but the costs thereof will be considered to be included with applicable items of work, as listed in the Bid Schedule, to perform the overall contract work.

**2.1.17 EXISTING WATER MAIN FLOW LINE STOPPING DEVICES**

- A. The furnishing and installation of single line stopping devices, of the sizes listed in **Part 4** of the Bid Schedule (**Item Nos. 38a to 38c**), will be measured for payment by the unit price bid per "Each" (EA.), for the actual number of line stopping operations performed on existing water mains as directed by the OWNER.
- B. The furnishing and installation of double line stopping devices, of the sizes listed in **Part 4** of the Bid Schedule (**Item Nos. 39a to 39c**), will be measured for payment by the unit price bid per "Each" (EA.), for the actual number of line stopping operations performed on existing water mains as directed by the OWNER.

**2.1.18 TAPPING SLEEVES AND VALVES**

The furnishing and installation of the specified Tapping Sleeves and Valves, of the sizes listed in **Part 4** of the Bid Schedule (**Item Nos. 40a to 40f**), will be measured for payment by the unit price bid per "Each" (EA.), for the actual number of tapping sleeve and valve installations performed on existing water mains, as directed by the OWNER.

**2.1.19 INSERTION VALVES**

The furnishing and installation of the specified Insertion Valves, of the sizes listed in **Part 4** of the Bid Schedule (**Item Nos. 41a an 41b**), will be measured for payment by the unit price bid per "Each" (EA.), for the actual number of insertion valve installations performed on existing water mains, as directed by the OWNER.

## **Payment**

### **3.1 BASIS OF PAYMENT**

#### **3.1.1 PIPELINE SYSTEMS - PUBLIC SPACE**

- A. Ductile-Iron Pipe: Payment for quantity measured, as specified and listed in the Bid Schedule (**Item Nos. 1, 2, 3, 4, 5, 6**), to furnish and install Ductile-Iron Pipe for the water main replacement work, will be made at the unit prices bid per "Linear Foot" (L.F.), which price will include furnishing and installing all pipe, pipe jointing materials, joint restraint devices (e.g. field locking gaskets), and all other necessary accessory materials; for hauling and handling of all materials; for pipe cutting; for jointing and connection to other pipe; for all earthwork in connection with the construction of the new water main replacement, including saw-cutting, pavement removal, excavations, pipe bedding, backfilling and compaction, grading, and preparation of subgrades; for removal and disposal of the existing water mains and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all soils and pavement materials; disposal of surplus materials; pressure testing and disinfection; for all labor, equipment, plant, tools and materials; and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the ductile-iron water main installations in accordance with the specifications, and at the locations as directed by the OWNER.
- B. Ductile-Iron Pipe Fittings: Payment for quantity measured, as specified and listed in the Bid Schedule (**Item No. 7**), to furnish and install Ductile-Iron Pipe Fittings, including pipe couplings or solid sleeves, will be made at the unit prices bid per "Pound" (LB), which price will include furnishing and installing all pipe fittings (e.g. bends, crosses, tees, etc.), pipe jointing materials, and all other necessary accessory materials; for hauling and handling of all materials; for pipe jointing; for all other incidental earthwork associated with the installation of the new fittings for the water main replacement, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing water mains and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all soils and pavement materials; disposal of surplus materials; pressure testing and disinfection; for all labor, equipment, plant, tools and materials; and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the installation of the ductile-iron water main fittings and coupling connections in accordance with the specifications, and at the locations as directed by the OWNER.

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Mechanical Joint Restraint: No separate payment will be made for the installation of mechanical restrained joint gland mechanisms, which will be required for pipe joint restraint at all pipe bends, tees, and caps or plugs for dead-end water main locations, of the specified dimensions and sizes, but the cost thereof shall be deemed to be included in the unit price bid for the ductile-iron pipe fitting work described herein.

Concrete Thrust Blocks: No separate payment will be made for the installation of concrete thrust blocks, which will be required for pipe restraint at all pipe bends, tees, and caps or plugs for dead-end water main locations, of the specified dimensions and sizes, but the cost thereof shall be deemed to be included in the unit price bid for the ductile-iron pipe fitting work described herein.

- C. Gate Valves: Payment for quantity measured, as specified and listed in the Bid Schedule (Item Nos. 8, 9, 10, 11 and 12), to furnish and install the specified buried service Gate Valves, will be made at the unit prices bid per “Each” (EA.), which price will include the gate valve, C.I. valve box, mechanical restrained jointing materials (main line piping and couplings to be paid under respective unit items herein), and all other necessary accessory materials; for hauling and handling of all materials; for pipe jointing; for all other incidental earthwork associated with the installation of the new gate valves for the water main replacement, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing gate valves and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all soils and pavement materials; disposal of surplus materials; pressure testing and disinfection; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the locations as directed by the OWNER.
- D. 12” Insertion Gate Valve: Payment for the quantity measured, as specified and directed, for the furnishing and installation of the specified Insertion Valves, as listed in Part 1 of the Bid Schedule (Item No. 13), will be made at the unit price per “Each” (EA), which price will include the new insertion valve, valve box, mechanical restrained jointing materials, and all other necessary accessory materials; for hauling and handling of all materials; for cleaning and tapping the existing water main piping; for permanent valve support; for all other incidental earthwork associated with the installation of the overall insertion valve installation, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for all

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dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items of work in accordance with the specifications at the designated insertion valve locations, as directed by the OWNER.

- E. Fire Hydrant Assemblies: Payment for quantity measured, as specified and listed in the Bid Schedule (**Item Nos. 14a and 14b**), to furnish and install the specified Fire Hydrant Assembly, will be made at the unit prices bid per “Each” (EA.), which price will include the fire hydrant, 6-inch or 8-inch ductile-iron branch piping, 6-inch or 8-inch gate valve, valve box, hydrant anchor tee, mechanical restrained jointing materials (main line piping and couplings to be paid under respective unit items herein), and all other necessary accessory materials; for hauling and handling of all materials; for pipe jointing; for all other incidental earthwork associated with the installation of the new fire hydrant assemblies associated with the water main replacement work, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing fire hydrants and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all soils and pavement materials; disposal of surplus materials; pressure testing and disinfection; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the locations as directed by the OWNER.
- F. Two-inch Blow-off Assemblies: Payment for quantity measured, as specified and listed in the Bid Schedule (**Item No. 15**), to furnish and install the specified 2-inch Blow-off Piping Assembly, will be made at the unit prices bid per “Each” (EA.), which price will include the service saddle, 2-inch brass piping and fittings, curb stop, 2-inch galvanized riser piping, cast-iron road boxes, and all other incidental materials; for hauling and handling of all materials; for tapping; pipe jointing; for all other incidental earthwork associated with the installation of the new blow-off assembly associated with the water main replacement work, including saw-cutting, pavement removal, excavations, bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing blow-off or bleeder assemblies and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the locations as directed by the OWNER.

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- G. Protection of Existing Pipelines and Utilities: The support and protection of existing gas, ~~water~~, telephone, cable television, storm or sanitary sewer, and electric lines, crossing the trench, which may be required to prevent damage of the utilities during construction, will not be measured for separate payment, but the cost thereof will be considered to be included with the unit bid prices for the applicable work items under "PIPELINE SYSTEMS – PUBLIC SPACE", as described herein.
- H. Calcium Chloride: No separate payment will be made for furnishing and placing calcium chloride for dust control, but the costs thereof shall be considered to be included with the unit prices bid for the applicable items of work as listed under "PIPELINE SYSTEMS – PUBLIC SPACE", as described herein for which calcium chloride is required.
- I. Dewatering, Control & Diversion of Water: No separate payment shall be made for furnishing, installing, maintaining, operating and removing all equipment, facilities, construction and appurtenant work required to maintain in a dry condition the areas in which construction of this contract is to be conducted, but the costs thereof shall be considered to be included with the unit bid prices for the applicable work items under "PIPELINE SYSTEMS – PUBLIC SPACE", as described herein.
- J. Excavation Support Systems: No separate payment will be made for excavation support systems (trench boxes), but the cost thereof shall be deemed to be included in the unit prices bid for the applicable items of work under "PIPELINE SYSTEMS – PUBLIC SPACE", as described herein.

**3.1.2 SERVICE CONNECTIONS**

- A. Copper Service Tubing (Part 1 - Bid Schedule): Payment for quantity measured, as specified and listed in the Bid Schedule (**Item Nos. 34a, 34b, 35a, 35b, 36a, and 36b**), to furnish and install Copper Service Tubing, of the specified diameter sizes, for the replacement of existing lead water services, will be made at the unit prices bid per "Linear Foot (L.F.), which price will include furnishing and installing all copper service tubing, fittings, pipe jointing materials, adapters, and all other necessary connection materials; for hauling and handling of all materials; for jointing and connection to other pipe (e.g. brass compression or polypropylene couplings); for all earthwork in connection with the construction of the new water service replacement, including sawcutting, pavement removal, excavations, backfills and compaction, grading, and preparation of subgrades; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; flushing; disinfection; for all labor, equipment, plant, tools and materials, and for all

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appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications at the respective public-side lead service replacement locations, as directed by the OWNER.

- B. Corporation Stops, Curb Stops, and Service Boxes (Part 1 - Bid Schedule): Payment for quantity measured, as specified and listed in the Bid Schedule (Item Nos. 34c, 35c, and 36c), to furnish and install Corporation Stops and Curb Stops, will be made at the unit price bid per "Each" (EA.), which price will include furnishing all the specified buried corporation stops and curb stops (valve), service boxes, corporation and curb valve jointing accessories, service saddles; and all other necessary materials; installation of these materials as part of the new water service assembly, which price will also include the trench excavations; water main tapping; service connections, backfilling and compaction; grading; and the preparation of subgrades; for all dewatering, pumping, drainage and bailing; and for the satisfactory removal and disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the installation of the corporation stop, curb stop (valve), and service box in accordance with the details and specifications at the respective public-side lead service replacement locations, as directed by the OWNER.
- C. Remove and Replace Cast Iron Services: Payment for quantity measured, as specified and listed in Part 1 of the Bid Schedule (Item Nos. 21a to 21c), to remove and replace existing Cast-Iron Services, of the specified diameter sizes, will be made at the unit prices bid per "Linear Foot" (LF.), which price will include furnishing and installing the new Cast-Iron service tubing, corporation stop, fittings, pipe jointing materials, adapters, and all other necessary connection materials; for hauling and handling of all materials; for jointing and connection to other service pipe (e.g. brass compression or polypropylene couplings); for any other incidental earthwork in connection with the installation of the service reconnection, including sawcutting, pavement removal, excavations, backfills and compaction, grading, and preparation of subgrades; for the partial removal and disposal of the existing cast iron service piping; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the locations as directed by the OWNER.
- D. Reconnection of Existing Copper Services: Payment for quantity measured, as specified and listed in Part 1 of the Bid Schedule (Item Nos. 22a to 22d), to reconnect existing Copper Services, of the specified diameter sizes, will be made at the unit prices bid per "Each" (EA.), which price will include furnishing and installing the new copper service tubing, corporation stop, fittings, pipe

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jointing materials, adapters, and all other necessary connection materials; for hauling and handling of all materials; for jointing and connection to other service pipe (e.g. brass compression or polypropylene couplings); for any other incidental earthwork in connection with the installation of the service reconnection, including sawcutting, pavement removal, excavations, backfills and compaction, grading, and preparation of subgrades; for the partial removal and disposal of the existing copper service piping; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the locations as directed by the OWNER.

**3.1.3 CLEANING AND LINING EXISTING WATER MAINS**

- A. Payment for the quantity measured for the “Cleaning and Lining of existing 6”, 8" and 12" C.I. Water Mains, as listed in the Bid Schedule (**Item Nos. 23a to 23c**), will be made at the unit price bid per "Linear Foot" (L.F.) for the linear footage of the existing water mains that are actually cleaned and lined with the specified cement mortar thicknesses, complete and accepted at these designated street locations. Said unit price and payments shall constitute full compensation for furnishing all labor, materials, equipment, tools, supplies and plant, which will be required to perform the cleaning and lining; the associated excavation and backfilling; the installation of the excavation support system; the dewatering of pipelines and excavations; the disconnecting and/or cutting the water main pipe; the protection of structures, properties and utilities; furnishing, installing, maintaining and removing steel decking over street access pit openings; site maintenance; and as further described in the paragraphs below.
- B. Payment shall also constitute full compensation for the removal of existing mainline valves and piping to facilitate the cleaning and lining work within the access pits; the satisfactory handling and disposal of cleaning water and residual from the cleaning operations; clearing existing branch connections (laterals) and services, as applicable; hand-placed lining work, where applicable; testing of cement-mortar materials; curing and protection of the completed cement-mortar linings; and the performance of a closed-circuit television (video) inspection of post cleaning and post lining pipeline rehabilitation, as further specified in Section 05200, Cleaning and Lining Water Mains, of these Contract Specifications.
- C. Payment for the quantity measured for “Obstructions”, as listed in the Bid Schedule (**Item Nos. 23d**), will be made at the unit prices bid per “Each” (EA.), as specified herein, for the actual number of each obstructions encountered and removed from the existing water mains, as defined in Section 05200, Cleaning and Lining Water Mains, of these Contract Specifications, which

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price shall include pavement saw-cutting, pipe cutting and removal, excavation, backfilling and compaction

- D. The replacement of existing piping, fittings and valves, which are removed from the existing water mains for the cleaning and lining operations, will be measured and paid separately, as described herein under Article 3.1.1, Pipeline Systems – Public Space, of this section of the Contract Specifications, for the furnishing and installation of new Ductile-Iron Piping, Ductile-Iron Pipe Fittings and Gate Valves.
- E. No separate payment will be made for the removal and disposal of existing water main piping, fittings, valves and appurtenances, which is required to facilitate the cleaning and lining operations within the access pits, but the cost thereof shall be deemed to be included in the unit price bid for the overall cleaning and lining contract work. No separate payment will be made for the temporary capping/ plugging of lined sections of main.
- F. Both temporary and permanent sidewalk and street pavement restoration, which will be required in connection with the cleaning and lining contract work, will be measured and paid separately, as described herein.
- G. Payment of Accepted/Conforming Cleaning and Lining pipe lengths shall only be paid after the following is completed:
  - i. The water main has been video inspected and approved by Providence Water.
  - ii. The water main has been pressure tested, chlorinated, and approved by Providence Water.
  - iii. All hydrants shall be installed prior to chlorination of water main.
  - iv. Completion of copper service or cast/ductile iron services tie-ins, and lead service replacements.
  - v. Completion of valve replacements and cross-street water main tie-ins.
  - vi. All valves, as directed, are opened to provide adequate flow to system and services

**3.1.3.1 EXPLORATORY VIDEO INSPECTION**

- A. Payment for the quantity measured, as specified or directed herein, for “Exploratory Video Inspection”, as listed in Part 4 of the Bid Schedule (Item No. 42e, will be made at the unit price bid per "Linear Foot" (L.F.) for the linear footage (displayed and tracked in the video, further specified in Section 05200) of existing water mains that are video inspected for exploratory purposes at locations designated by the OWNER. Said unit price and payments shall constitute full compensation for furnishing all labor, materials, equipment, tools,



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supplies and plant, which will be required to perform the video inspection; the associated excavation and backfilling; the installation of the excavation support system; the dewatering of pipelines and excavations; the disconnecting and/or cutting the water main pipe; the protection of structures, properties and utilities; furnishing, installing, maintaining and removing steel decking over street access pit openings; site maintenance; and as further described in the preceding paragraphs.

- B. The replacement of existing piping, fittings, valves, and other appurtenances which are removed from the existing water mains for the video inspection operations, will be measured and paid separately, as described herein under Article 3.1.1, Pipeline Systems – Public Space, of this section of the Contract Specifications, for the furnishing and installation of new Ductile-Iron Piping, Ductile-Iron Pipe Fittings and Gate Valves.

**3.1.4 TEMPORARY BYPASS PIPING SYSTEMS**

- A. Temporary Bypass Piping: Payment for the quantity measured, for the furnishing and installation of Temporary Bypass Piping, of the sizes listed in Part 1 of the Bid Schedule (Item Nos. 24a to 24c), including temporary services and hydrants, will be made at the unit prices bid per "Linear Foot" (L.F.), which price shall constitute full compensation for the furnishing of all labor, equipment, tools, supplies, materials, appurtenances, and all other work incidental and necessary for satisfactorily installing, disinfecting, maintaining, repairing and removing all temporary bypass piping, temporary hydrants, temporary house or building services, and connections to other piping and water mains; performing all earthwork including excavations for street pipe crossings, backfilling and compacting; removing and resetting existing curbing to accommodate the installation of the temporary bypass piping (if required); performing temporary sidewalk or street pavement restoration; complete in place and accepted along each street location, to facilitate the removal and replacement of the existing water mains serving those areas.
- B. Regardless of temporary service piping material or diameter, separate payment will not be made for temporary service connections to buildings, **which extend from the temporary bypass system and terminate at the connection to the building plumbing or in the right of way if necessary to connect underground;** or for temporary building service connections that extend from building to building. All costs associated with the furnishing, installation, maintaining and removing temporary building service connections, will be included in the unit price bid for Temporary Bypass Piping as listed in the Bid Schedule.
- C. Separate payment will not be made for pipe, fittings, isolation valve, or such other accessories or appurtenances incorporated in the temporary bypass piping

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and services, but the costs thereof shall be included under the unit price bid for Temporary Bypass Piping as listed in the Bid Schedule.

- D. Separate payment will not be made for furnishing and installing corporation stops for the connection of temporary bypass piping to existing water mains, but the cost thereof will be included in the unit price bid for Temporary Bypass Piping as listed in the Bid Schedule.
- E. Separate payment will not be made for furnishing and installing corporation stops for the connection of temporary bypass piping to existing water mains, but the cost thereof will be included in the unit price bid for Temporary Bypass Piping as listed in the Bid Schedule.
- F. Separate payment will not be made for the placement of 2-inch bituminous pavement for the temporary restoration of sidewalk or street pavement surfaces, which are disturbed as a result of the installation and removal of the temporary bypass piping and services, as applicable, but the cost thereof will be included in the unit price bid for Temporary Bypass Piping as listed in the Bid Schedule.
- G. Payment of Accepted/Conforming By-pass Piping is to be paid according to the following schedule:
  - 45% for installation including successful disinfection prior to activation
  - 20% for activation and connection of all buildings to By-pass piping
  - 35% for water main deactivation, disconnection of all buildings from By-pass piping, removal of all By-pass Piping from the site, and restoration of all site areas disturbed.

**3.1.5 EARTH EXCAVATION**

- A. Trench Excavation: No separate payment for earth excavation shall be made, including excavation for unsuitable material, but the costs thereof shall be considered to be included in the unit prices bid for the applicable work items under "PIPELINE SYSTEMS", as described herein.
- B. Gravel Borrow (Refill): Payment for approved gravel borrow from off-site sources, as specified, as listed in **Part 1** of the Bid Schedule (**Item No. 26a**), will be made at the unit bid price per Ton (TN). Payment will include all costs associated with furnishing, placing and compacting the Gravel Borrow (Refill) excavation, and disposal of all unsuitable materials off-site.
- C. Test Pits: Payment for the quantity measured, as specified and directed, to excavate Test Pits, as listed in **Part 1** of the Bid Schedule (**Item No. 26b**), will be made at the unit price bid per Cubic Yard (C.Y.). Payment will constitute full compensation for

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all saw cutting excavation, backfilling and compaction associated with the test pit operations. Where required, additional material to refill test pit excavations will be paid at the unit price bid for “Gravel Borrow”, as described above.

- D. Rock Excavation: Payment for the quantity measured, as specified or directed herein, for “Trench Rock Excavation & Removal”, as listed in **Part 4** of the Bid Schedule (**Item No. 42f**), will be made at the pre-set unit price (per Cubic Yard). Payment will include costs for excavation, removal and disposal of excavated rock or boulders, and refill with suitable materials, either from the excavations or with gravel borrowed from off-site sources.

**3.1.6 TEMPORARY RESTORATION – BITUMINOUS PAVEMENT**

No separate payment for temporary restoration – bituminous pavement- shall be made, including furnish and place temporary bituminous pavement in roadways and in sidewalk or driveway areas, but the costs thereof shall be considered to be included in the unit prices bid for the applicable work items under "PIPELINE SYSTEMS", as described herein.

**3.1.7 PERMANENT RESTORATION – BITUMINOUS STREET PAVEMENT**

**3.1.7.1 TRENCH RESTORATION**

- A. Payment for the quantity measured, as specified or directed, to furnish and place permanent bituminous pavement in roadways with existing gravel bases, as listed in **Part 1** of the Bid Schedule (**Item Nos. 28.a, 28b, and 28c**), will be made at the unit price bid (per Square Yard), which prices shall also include the preparation and sawcutting of pavement edges; preparation of gravel subgrade; compaction; tack coat; and cleaning and sweeping.
- B. Payment for the quantity measured, as specified or directed, to furnish and place concrete base in City or State roadways with reinforced concrete bases, as listed in **Part 1** of the Bid Schedule (**Item No. 28d**), will be made at the unit price bid per "Square Yard" (SY), which price shall include the sawcutting and existing concrete base removal; gravel subgrade preparation; drilling and doweling; temporary hotmix asphalt (if used in lieu of road plates), placement of concrete; preparation and sawcutting of pavement edges; tack coating; rolling and compaction; and cleaning, sweeping.

**3.1.7.2 INFRARED RESTORATION**

Payment for the quantity measured, as specified or directed, to permanently restore asphalt patches via the infrared method, as listed in **Part 4** of the Bid Schedule (**Item No. 42a**), will be made at the unit price bid per "Square Yard"

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(SY), which price shall include the labor, materials and equipment required to blend new bituminous material with infrared heated existing material to form a joint free integral mix. The cost includes but is not limited to drainage inlet protection, resets and adjustments to final pavement elevation of all valve boxes, curb stops, manhole frames and covers, catch basin frames and grates (disturbed by construction operations) in accordance with the specified procedures of the appropriate utility, additional hot mix asphalt added during infra-red process, asphalt rejuvenator agent, sand or stone dust, removal and disposal of unsuitable material or loose aggregates, temporary patch preparation and final treatment; restoration of pavement markings and loop detectors, feathering driveway aprons to finished grade, jointing to existing asphalt (if required), squaring pavement edges; tack coating; rolling and compaction; and cleaning, sweeping. All other work delineated in section 8100 "Infrared Bituminous Pavement Restoration" and section 08000 "Special Conditions - Paving, Surfacing, and Permanent Repairs to Streets, Driveways, and Sidewalks" will be considered incidental to this unit item and bid price shall include all work defined in this section. The full depth hot mix asphalt placed in trench after soil compaction (prior to infrared restoration) shall be quantified and paid under items 21a through 21c at the corresponding depth placed to match the existing pavement thickness in-kind.

**3.1.7.3 MILL AND OVERLAY**

Payment for the quantity measured, as specified or directed, to permanently restore select segments of roadways by means of a 2-inch mill and overlay, as listed in Part 1 of the Bid Schedule (Item No. 29), will be made at the unit price bid per "Square Yard" (SY), which price shall include all materials, tools, labor, equipment, and all other incidentals required to finish all work, complete-in-place and accepted by the OWNER. The cost includes but is not limited to performing base repairs as needed, curb resets, drainage inlet protection, resets and adjustments to final pavement elevation of all valve boxes, curb stops, manhole frames and covers, catch basin frames and grates (disturbed by construction operations) in accordance with the specified procedures of the appropriate utility, additional hot mix asphalt, surface preparation, milling, removal and disposal of millings, unsuitable material, loose aggregates, and other debris, asphalt placement, rolling and compaction, restoration of pavers, cobblestones, pavement markings, loop detectors, signal conduits, feathering driveway aprons to finished grade, infrared treatment of joints to moratorium roads, jointing to existing asphalt outside project limits, squaring pavement edges, tack coating, and cleaning, sweeping. All other work requirements delineated in section 8200 "Cold Plane / Micro-Mill Bituminous Pavement Restoration", section 08100 "Infrared Bituminous Pavement Restoration", and section 08000 "Paving, Surfacing, and Permanent Repairs to Streets, Driveways, and Sidewalks" will be considered incidental to this unit item and bid price shall include all work requirements defined in those sections. The full depth hot mix asphalt placed in trench after soil

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compaction (prior to mill and overlay) shall be quantified and paid under items 21a through 21c at the corresponding depth placed to match the existing pavement thickness in-kind.

Infrared Joints to Moratorium Streets: For pavement less than 5 years old, no separate payment shall be made for treating joints with an infrared restoration process, but the costs thereof shall be considered to be included with the unit prices bid for the applicable items of work as described herein.

**3.1.8 PERMANENT RESTORATION – SIDEWALKS AND DRIVEWAYS**

- A. Payment for the quantity measured, as specified or directed, to furnish and place permanent bituminous pavement in sidewalk or driveway areas, as listed in **Part 1** of the Bid Schedule (**Item No. 28e**), will be made at the unit price bid per "Square Yard" (SY), which price shall also include the preparation of gravel subgrade; compaction; rolling; and cleaning and sweeping.
- B. Payment for the quantity measured, as specified and directed, to restore cement concrete sidewalks and driveways, which are disturbed as a result of construction operations, as listed in **Part 1** of the Bid Schedule (**Item Nos. 28f and 28g**), will be made at the unit price bid per "Square Yard" (SY), which price shall include sawcutting; preparation of the gravel subgrade; compaction; formwork; placement of the concrete; concrete protection from weather and vandalism; and clean-up.

**3.1.9 BRICK / PAVER AND COBBLESTONE RESTORATION**

Payment for the quantity measured, as specified and directed, to remove and restore existing brick / paver, or cobblestone sidewalks, driveways, or streets as directed by the OWNER at select locations, as listed in **Part 1** of the Bid Schedule (**Item No. 28h and 28i**), will be made at the unit price bid (per Square Yard), which price shall include the preparation of the subgrade; sand or stone dust bedding; compaction; placing and resetting the existing bricks / pavers, or cobblestones; furnishing and installing the new bricks / pavers, or cobblestones, where required; sweeping; and sidewalk clean-up.

**3.1.10 CURB RESTORATION**

- A. Payment for the quantity measured, as specified and directed, to remove and replace granite, concrete or bituminous street curbing, as directed by the OWNER at select locations, as listed in **Part 1** of the Bid Schedule (**Item Nos. 30a, 30b, 30c, and 30d**), will be made at the unit price bid (per Linear Foot), which price shall include the cutting and removal of the existing curbing; the furnishing, installation and preparation of the gravel subgrade; compaction; furnishing and

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installing the new granite curbing; precast concrete curbing; forming and placing the cast-in-place concrete curbing; mortar jointing (as applicable); and clean-up.

- B. Payment for the quantity measured, as specified and directed, to remove and reset existing granite street curbing outside of the typical service replacement limits of disturbance, as directed by the OWNER at select locations, to accommodate the required sidewalk restoration at a given service address location, as listed in Part 1 of the Bid Schedule (**Item No. 30e**), will be made at the unit price bid (per Linear Foot), which price shall include the removal, handling and cleaning of the existing segments of granite curbing; the preparation of the gravel subgrade; compaction; the resetting of the existing curbing to proper line, grade and curb reveal; disposal; and clean-up.

**3.1.11 GRASS RESTORATION**

With the exception of restoration associated with a private side lead service replacement, no separate payment will be made for the restoration of grass lawns or grassed areas, which are disturbed as a result of construction operations. At no additional cost, the contractor shall repair all disturbed grassed areas along the street Right-of-Way, or within private property. The costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS – PUBLIC SPACE”, as described herein.

**3.1.12 CLEARING AND GRUBBING**

- A. Clearing shall consist of removal and disposal at ground level of tree limbs, brush, shrubs, grass, weeds, other vegetation, down timber, rotten wood, rubbish, fences, incidental structures, bituminous and concrete paving, and general debris within the limits of construction.
- B. Grubbing shall consist of removal of stumps, roots, stubs, brush, foundations, and other buried items and debris which interfere with this work.
- C. No separate payment will be made for clearing and grubbing. The costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS - PRIVATE SIDE SERVICES” and “PIPELINE SYSTEMS – PUBLIC SPACE”, as described herein.

**3.1.13 ABANDONMENTS / REMOVAL WATER APPURTENANCE**

- A. Abandoned Lead Service Removal (**Part 1** Bid Schedule): Payment for quantity measured, as specified and listed in **Part 1** of the Bid Schedule (**Item Nos. 25a to 25c**), to perform the Abandoned Service Removal work, removal and disposal of lead service tubing (as required), closing and plugging of the existing corporation, including the cutting and crimping of the existing lead service pipe

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at the existing corporation location (when applicable); the removal of the existing corporation; and the removal and disposal of the existing curb stop and service box, as applicable, at the designated lead service replacement locations, will be made at the unit price bid (per "Linear Foot" or "Each"), which price will constitute full compensation to furnish all the necessary labor, equipment, plant, tools and materials, to perform the specified work, and which price will also include excavations, backfilling, grading, and for the satisfactory removal and disposal of surplus materials; and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the closing of the existing corporation; the cutting and crimping of the existing lead service pipe at the existing corporation location; the removal of the existing corporation stop, and plugging of the water main at the existing corporation location; and the removal and disposal of the upper section of the existing service box, as applicable, at the designated abandoned service locations, as directed by the OWNER.

- B. Payment for the quantity measured, as specified herein, for the removal and disposal of existing 4", 6", and 8" Services, as listed in **Part 2** of the Bid Schedule (**Item Nos. 32a to 32d**), will be made at the unit price (per Each), which price will include the removal of existing fittings, piping, appurtenances and incidental piping work required for tie-in to the existing cast iron water main (i.e. couplings, piping, and other necessary fittings), capping abandoned pipe sections, mechanical restrained jointing materials, and all other necessary accessory materials; for hauling and handling of all materials; for all other incidental earthwork associated with the removal work, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing gate valves, blow-offs and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all soils and pavement materials; disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at these select locations, or as directed by the OWNER.
- C. **Removal 6" Gate Valve and Gate Box (Part 1 Bid Schedule):** Payment for quantity measured, as specified and listed in Part 1 of the Bid Schedule (Item Nos. 16 and 17), to perform the work, removal and disposal of gate valve or the gate box (as required), the removal of the existing corporation; and the removal and disposal of the existing curb stop and service box, as applicable, will be made at the unit price bid (per "Each"), which price will constitute full compensation to furnish all the necessary labor, equipment, plant, tools and materials, to perform the specified work, and which price will also include excavations, backfilling, grading, and for the satisfactory removal and disposal of surplus materials; and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the removal and disposal of the gate valve and/or gate box,

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as applicable, at the designated removal locations, as directed by the OWNER.

- D. **Removal Stub and Tee/Cross (Part 1 Bid Schedule):** Payment for quantity measured, as specified and listed in Part 1 of the Bid Schedule (Item Nos. 18 to 20), to perform the removal and disposal of 6", 8" and 12" Stub and Tee/Cross, (as required), closing and plugging of the existing corporation, the removal of the existing corporation, will be made at the unit price bid (per "Each"), which price will constitute full compensation to furnish all the necessary labor, equipment, plant, tools and materials, to perform the specified work, and which price will also include excavations, backfilling, grading, and for the satisfactory removal and disposal of surplus materials; and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the removal of stub and tee/cross, and plugging of the water main at the existing corporation location, as applicable, at the designated removal locations, as directed by the OWNER.

**3.1.14 PIPELINE SYSTEMS – PRIVATE SERVICES**

- A. Private property OWNERS may request that they would like their private side lead service replaced based on construction notifications sent by OWNER (Providence Water). OWNER may utilize this contract to authorize and direct Contractor to complete private side lead service replacements in the project areas. If directed by OWNER, Contractor shall complete private side lead service replacements as measured and paid for in accordance with Bid Items 26a and 26b.
- B. Private Side Lead Service Replacements must be completed at the same time as the public portion of the lead service to be replaced. Private Side Replacements may not carry over into the following construction season, unless approved by the OWNER. Subsequently all restoration work shall be completed within this aforementioned construction season, which will require appropriate scheduling to accommodate the winter close out. At the OWNER's discretion, exceptions for the permanent restoration requirement may be made for authorizations approved by property OWNERS in the month of October. These temporary patches must be maintained throughout the winter period, at no additional cost, and permanent restoration must be completed the following spring.
- C. Payment for quantity measured, as specified and listed in Part 3 of the Bid Schedule (Item Nos. 33a and 33b), to furnish and install 1" and 2" private-side services will be made at the unit prices bid (per each), which price will include all labor, equipment, tools, and for all appurtenant and incidental work, all other costs necessary to satisfactorily complete the new private-side copper service installation in accordance with the specifications at the designated residential or commercial buildings, as directed by the OWNER, furnishing and installing (by any and all installation methods used by Contractor) all copper service tubing, fittings, pipe jointing materials, adapters, and all other necessary connection materials; for



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hauling and handling of all materials; for jointing and connection to other pipe; for all earthwork in connection with the construction of the new water service replacement, including sawcutting, pavement removal, excavations, backfills and compaction, grading, and preparation of subgrades; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of surplus materials; flushing and disinfection; for all planning and coordination necessary to perform the work, and coordination and scheduling with private property OWNERS and/or residents.

- D. No separate payment will be made for the utilization of moling, or other trenchless technologies in connection with the lead service replacement, including cutting and the removal of the interior basement floor; exterior and interior excavations required for the operation; backfills and compaction, grading, and preparation of subgrades; disposal of surplus materials; and the replacement of the interior concrete basement floor. The costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS –PRIVATE SPACE”, as described herein. The provided unit costs in Items 33a and 33b shall be inclusive of whatever installation method(s) the Contractor uses at each and every location.
- E. In the event of an unsuccessful pulling attempt and where open trench replacement cannot be employed (not limited to terraced landscapes, fixed obstructions, and other immovable features), a mole or equivalent tunneling device should be utilized. A mole or equivalent tunneling device should be onsite at all times. OWNER does not guarantee the successful replacement and extraction of an existing private side lead service via trenchless technology (pull). No additional payment shall be made to compensate for losses associated with failed replacement attempts. The costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS –PRIVATE SPACE”, as described herein.
- F. Payment for the quantity measured, as specified herein, for the Permanent Restoration of Grassed Areas, Sidewalks, and Driveways (Private Side LSR)s, as listed in Part 3 of the Bid Schedule (Item No. 33c), will be made at the unit price (per Each), which price will include all materials and labor required to successfully restore grassed areas, concrete and asphalt sidewalks and driveways, brick, paver, and cobblestone areas which are disturbed as a result of private side lead service replacement.
- G. No separate payment will be made for the removal and disposal of the existing lead water services, pipe fittings, couplings, adapters, and other appurtenances, of the various sizes required, but the costs thereof will be considered included in the price bid for the applicable work items under “PIPELINE SYSTEMS - PRIVATE SIDE SERVICES”, as described herein

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- H. Protection of Existing Pipelines and Utilities: The support and protection of existing gas, water, telephone, cable television, storm or sanitary sewer, and electric lines, crossing the trench, which may be required to prevent damage of the utilities during construction, will not be measured for separate payment, but the cost thereof will be considered to be included with the unit bid prices for the applicable work items under "PIPELINE SYSTEMS – PRIVATE SPACE", as described herein. Calcium Chloride: No separate payment will be made for furnishing and placing calcium chloride for dust control, but the costs thereof shall be considered to be included with the unit prices bid for the applicable items of work as listed under "PIPELINE SYSTEMS – PRIVATE SPACE", as described herein for which calcium chloride is required.
  
- I. Dewatering, Control & Diversion of Water: No separate payment shall be made for furnishing, installing, maintaining, operating and removing all equipment, facilities, construction and appurtenant work required to maintain in a dry condition the areas in which construction of this contract is to be conducted, but the costs thereof shall be considered to be included with the unit bid prices for the applicable work items under "PIPELINE SYSTEMS – PRIVATE SPACE", as described herein.
  
- J. Excavation Support Systems: No separate payment will be made for excavation support systems (trench boxes), but the cost thereof shall be deemed to be included in the unit prices bid for the applicable items of work under "PIPELINE SYSTEMS – PRIVATE SPACE", as described herein.
  
- K. No additional payment shall be made to furnish and install, an interior 1” or interior 2” Ball Valve, as applicable and as required to isolate the meter. The costs thereof will be considered included in the price bid for **Item Nos. 33a and 33b** and shall also include all appurtenant copper piping, fittings or adapters, which are required to complete the necessary piping connections before and after the water meter, as part of the interior private side service replacement work.
  
- L. No additional payment shall be made, to furnish and install an interior 1” or 2” Pressure Reducing Valve, as applicable and when required. The costs thereof will be considered included in the price bid for **Item Nos. 33a and 33b** and shall also include all appurtenant interior copper piping, fittings or adapters, which are required for the necessary piping connections to complete this valve installation, as part of the interior private side service replacement work.
  
- M. No additional payment shall be made to furnish and install a Jumper Pipe at a new water meter location (if required). The costs thereof will be considered included in the price bid for **Item Nos. 33a and 33b** and shall also include all appurtenant copper

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piping, fittings or adapters, which are required for the necessary piping connections to complete this piping installation, as part of the interior private side service replacement work.

- N. No additional payment shall be made to furnish and install 1” Backflow Prevention Devices, as applicable, after the water meter. The costs thereof will be considered included in the price bid for **Item Nos. 33a and 33b** and shall also include all appurtenant interior copper piping, fittings or adapters, which are required to complete the backflow device installation, as part of the interior private side service replacement work.
- O. No additional payment shall be made to furnish and install an Expansion Tank (if required). The costs thereof will be considered included in the price bid for **Item Nos. 33a and 33b** and shall also include all appurtenant interior copper piping, fittings or adapters, which are required for the necessary piping connections to complete the expansion tank installation, as part of the interior private side service replacement work.
- P. Payment for providing the services of a Master Plumber to perform and/or supervise the performance of the interior plumbing contract work associated with the installation of private-side service replacements, as listed in Part3 of the BID Schedule (**Item Nos. 42g and 42h**), shall include the installation of the applicable work items under “Internal Piping & Plumbing Equipment”, as described herein.
- Q. Payment for Plumbing Permits, as listed in Part 3 of the BID Schedule (**Item No.42i**), will be measured as a “lump sum” for the fee required by the municipality to complete Private Side lead service replacements.
- R. Payment for the quantity measured, as specified herein, to furnish, install and test Reduced Pressure Zone (RPZ) Backflow Prevention devices, of the sizes listed in Part 3 of the Bid Schedule (**Items 37a to 37d**), will be made at the unit price bid per "Each" (EA.), which price shall also include all appurtenant interior copper piping, fittings or adapters, which are required for the necessary piping connections to complete the RPZ backflow preventer installation, as part of the interior private side service replacement work at select commercial properties.

**3.1.15 TRAFFIC CONTROL**

- A. Police details shall be paid by the Contractor and reimbursed by PW per pay period without markup. For reimbursement purposes, the Contractors shall submit invoices copies from the respective cities and towns with copies of daily detail vouchers for verification.

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- B. Compensation for the Flagperson's services shall be paid by PW per pay period without markup. If flagger services are subcontracted, the General Contractors shall submit flagger invoices with certified payroll for payment. If the flagperson is employed by the General Contractor, flagger services shall be compensated for the employee's hourly wage (on certified payroll) per pay period without markup. The hourly rate of wages paid by the Contractor or Sub-Contractor shall not be less than the prevailing rate set by the Rhode Island Department of Labor.
  
- C. Temporary Construction Signage and Traffic Control Devices: No separate payment shall be made for the placement and relocation of temporary construction signs, traffic cones, drums, barricades, or other traffic control devices, but the costs thereof will be considered to be included with applicable items of work, as listed in the Bid Schedule to perform the overall contract work.

**3.1.16 EXISTING WATER MAIN FLOW LINE STOPPING DEVICES**

Payment for the quantity measured, as specified and directed, to furnish and install single and double line stopping devices, of the sizes listed in **Part 4** of the Bid Schedule (**Item Nos. 38a to 38c and 39a to 39c**), will be made at the unit price per "Each" (EA), which price shall constitute full compensation to furnish all materials, equipment, tools and labor to install the specified line stopping devices, including excavations, backfilling, compaction and temporary pavement restoration. The work will also include the exterior cleaning of the existing water main; thrust and support blocking; disinfection; plug seal testing; temporary valve removal; blind flange installation; and coal tar epoxy coating of the assembly.

**3.1.17 TAPPING SLEEVES AND VALVES**

Payment for the quantity measured, as specified and directed, for the furnishing and installation of the specified Tapping Sleeves and Valves, as listed in **Part 4** of the Bid Schedule (**Item Nos. 40a to 40f**), will be made at the unit price per "Each" (EA), which price will include the tapping sleeve, gate valve, valve box, mechanical restrained jointing materials, concrete thrust block. and all other necessary accessory materials; for hauling and handling of all materials; for pipe jointing; for all other incidental earthwork associated with the installation of the new tapping sleeve and valve for interconnection to the new water main piping, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for removal and disposal of the existing gate valves and appurtenances; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal

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of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items in accordance with the specifications, and at the tapping valve locations as directed by the OWNER.

**3.1.18 INSERTION VALVES**

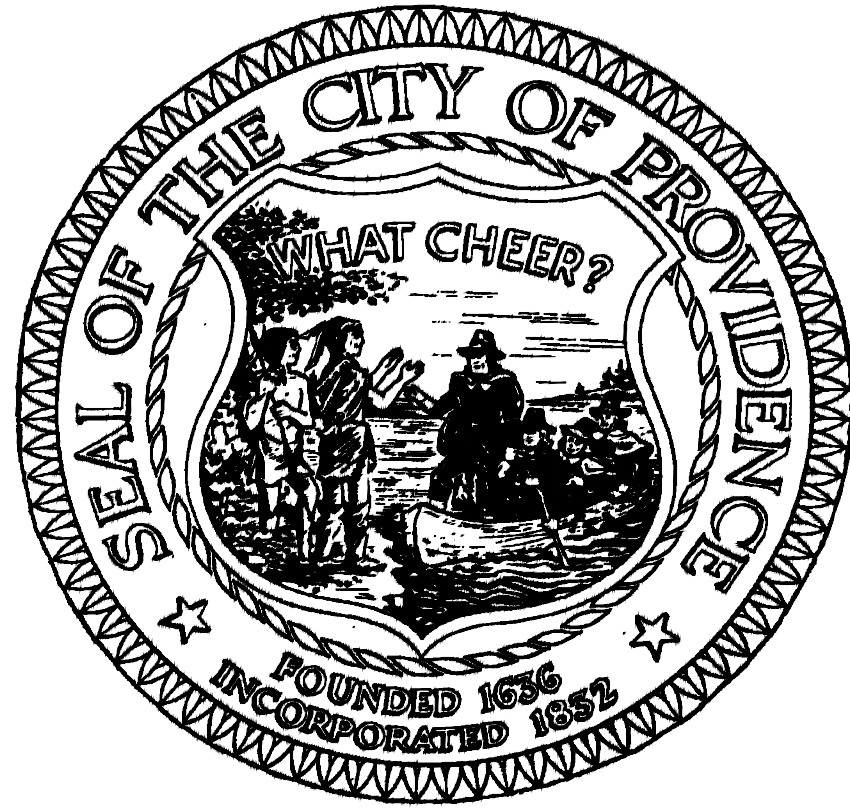
Payment for the quantity measured, as specified and directed, for the furnishing and installation of the specified Insertion Valves, as listed in **Part 4** of the Bid Schedule (**Item Nos. 41a and 41b**), will be made at the unit price per “Each” (EA), which price will include the new insertion valve, valve box, mechanical restrained jointing materials, and all other necessary accessory materials; for hauling and handling of all materials; for cleaning and tapping the existing water main piping; for permanent valve support; for all other incidental earthwork associated with the installation of the overall insertion valve installation, including saw-cutting, pavement removal, excavations, pipe bedding, backfills and compaction, grading, and preparation of subgrades; for all dewatering, pumping, drainage and bailing of excavations; for the satisfactory removal and disposal of all materials, disposal of surplus materials; for all labor, equipment, plant, tools and materials, and for all appurtenant and incidental work and all other costs necessary to satisfactorily complete the items of work in accordance with the specifications at the designated insertion valve locations, as directed by the OWNER.

**4.1 UNIT PRICES**

**4.1.1** The Bidder shall provide unit prices for the hourly rates associated with Labor; Equipment; and Material and Subcontractor Cost Markup Percentages, in the spaces provided in Part 5 of the Bid Schedule. Unit prices and cost markup percentages, as submitted with the Bid Schedule, shall be used for partial payments for any changes and/or additions to the original scope of work. Cost Markup Percentages are not applicable to police, flaggers, and subcontracted flaggers utilized for in scope contract work. Reference is made to general **Item Nos. 43, 44, 45, and 46 in Part 5** of the Bid Schedule for the respective bid items.

**4.1.2** Original invoices for Materials and Subcontractor cost shall be submitted to Providence Water with the respective application for payment.

**END OF SECTION**



**WATER SUPPLY BOARD**

- |   |                                       |
|---|---------------------------------------|
| ATEESH S. CHANDA<br>CHAIRPERSON                   | RICKY CARUOLO<br>GENERAL MANAGER      |
| JUAN M. PICHARDO<br>COUNCIL PRESIDENT PRO TEMPORE | JOSEPH D. CATALDI<br>VICE CHAIRPERSON |
| SARA SILVERIA<br>EX-OFFICIO                       | OSCAR O. VARGAS<br>COUNCILPERSON      |
| DR. ALMA M. GUERRERO BREADY<br>MEMBER             | CRISTEN L. RAUCCI, ESQ.<br>MEMBER     |
| WILLIAM E. O'GARA, ESQ.<br>LEGAL ADVISOR          | CARISSA R. RICHARD<br>SECRETARY       |

# WATER MAIN REHABILITATION

## LOWER SOUTH PROVIDENCE (NORTH)

### PROVIDENCE, RI

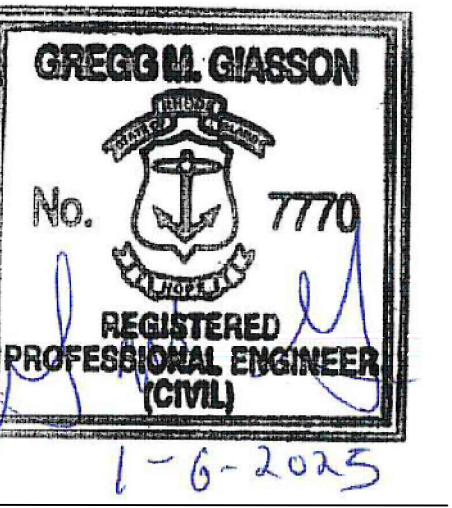
CONTRACT NUMBER:  
**CONTRACT 1-25**

ISSUED FOR BID:  
**03/10/2025**

DRAWING TYPE:  
**BID DOCUMENT**



CONTRACT  
1-25



GREGG GIASSON  
EXECUTIVE ENGINEER  
*Peter R. Lepage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

**CONTRACT NOTES**

- CONTRACTOR SHALL REVIEW ALL EXISTING AS-BUILT DOCUMENTATION AND VERIFY ALL EXISTING CONDITIONS IN THE FIELD.
- UNLESS OTHERWISE NOTED, EXISTING 6", 8" & 12" CAST-IRON WATER MAIN AS INDICATED SHALL BE CLEANED & CEMENT-MORTAR LINED WITHIN THE LIMITS OF WORK ALONG THE RESPECTIVE STREETS.
- SELECT SECTIONS OF THE EXISTING CAST-IRON WATER MAINS SHALL BE REMOVED AND REPLACED WITH NEW DUCTILE IRON (DI) WATER MAIN AS SHOWN ON DRAWINGS. SIZES SHALL BE IDENTICAL TO EXISTING CONDITIONS UNLESS OTHERWISE NOTED.
- ALL APPURTENANCES (VALVES, TEES, HYDRANTS, ETC.) SHALL BE REMOVED & REPLACED AS INDICATED ON DRAWINGS INCLUDING ALL COUPLINGS, RESTRAINTS, HARDWARE, ETC.
- ALL PIPE, COUPLINGS, SLEEVES, FITTINGS, HARDWARE, ETC. INSTALLED UNDER THIS PROJECT SHALL BE NEW. ANY EXISTING COUPLINGS, SLEEVES, HARDWARE, ETC. REMOVED FOR NEW CONNECTIONS TO EXISTING FEATURES SHALL BE REPLACED.
- ALL EXISTING LEAD SERVICES SHALL BE REPLACED WITH NEW COPPER SERVICES. SERVICE SIZE SHALL MATCH EXISTING. EXISTING LEAD SERVICES LESS THAN 1" SHALL BE REPLACED WITH 1" COPPER.
- ALL CAST IRON SERVICES WHERE NOTED ON THE DRAWINGS SHALL BE REPLACED TO THE PROPERTY LINE UNLESS OTHERWISE NOTED.
- SERVICES FOUND CLOSED AT CURB STOP ARE TO BE LEFT IN CLOSED POSITION.

**SHEET INDEX**

SHEET NO.	SHEET NAME
1	COVER SHEET
2	KEY MAP
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4	AREA B PLAN
5	AREA C PLAN
6	AREA D PLAN
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9	AREA G,I PLAN
10	AREA H PLAN

**LEGEND**

EXISTING CONDITIONS	ABBREVIATIONS	CONTRACT WORK
PROPERTY LINE	AC ASBESTOS CEMENT	LEAD SERVICE LINE TO BE REMOVED, REPLACE PER SPEC
CURB LINE/ROAD	CI CAST IRON	LEAD OTHER SERVICE LINE TO BE REMOVED
INFRASTRUCTURE TO REMAIN	CIR CAST IRON RELINED	HYDRANT NO. REPLACE HYDRANT ASSEMBLY TO BE REPLACED
HOUSE NO. DIAMETER & TYPE SERVICE LINE INFORMATION	CNU CLOSED - NON USE	GATE VALVE TO BE REPLACED
VALVES TO REMAIN	DI DUCTILE IRON	BUTTERFLY VALVE TO BE REPLACED
PIPE STUB WITH CAP	RC REINFORCED CONCRETE	DIVISIONAL VALVE TO BE REPLACED
BLOWOFF WITH CAP TO REMAIN	UNK UNKNOWN	BLOWOFF WITH CAP TO BE REPLACED, SIZE PER PLAN
AIR RELEASE TO REMAIN		XX - ABANDON MAIN LINE TO BE ABANDONED
MAIN LINE - LOW SERVICE TO REMAIN		XX to DI DUCTILE IRON WATER MAIN, SIZE TO MATCH EX. CONDITIONS
MAIN LINE - HIGH SERVICE TO REMAIN		XX - C&L WATER MAIN TO BE CLEANED AND LINED (C&L)
HYDRANT TO REMAIN		VALVE, SIZE PER PLAN
		MECHANICAL COUPLING, SIZE PER PLAN
		TEE, SIZE TO MATCH EXISTING CONDITIONS
		CROSS, SIZE TO MATCH EXISTING CONDITIONS
		HORIZONTAL BEND
		THRUST BLOCK (TB)
		REDUCER
		SOLID SLEEVE

**DUCTILE IRON PIPE RESTRAINT GUIDE**

PIPE SIZE	BEND			END CAPS		REDUCERS	
	11.25.22.5	45	90	PIPE SIZE RESTRAINT L	PIPE SIZE RESTRAINT L	PIPE SIZE RESTRAINT L	PIPE SIZE RESTRAINT L
4"	2'	3'	6'	4"	25'	6"X4"	18'
6"	2'	4'	9'	6"	35'	8"X6"	33'
8"	3'	6'	11'	8"	46'	8"X6"	19'
10"	3'	6'	13'	10"	55'	10"X4"	45'
12"	4'	8'	15'	12"	65'	10"X6"	34'
16"	5'	10'	19'	16"	83'	10"X8"	19'
20"	6'	11'	23'	20"	101'	12"X4"	56'
24"	7'	13'	27'	24"	119'	12"X6"	47'
30"	8'	16'	32'	30"	143'	12"X8"	35'
36"	9'	18'	37'	36"	167'	16"X6"	70'
42"	10'	20'	41'	42"	188'	16"X8"	61'
48"	11'	22'	46'	48"	210'	16"X12"	36'

TEE W/ 3' OF DI ON EACH SIDE			
PIPE SIZE	RESTRAINT L	PIPE SIZE	RESTRAINT L
4"X4"	3'	10"X8"	34'
6"X4"	11'	10"X10"	45'
6"X6"	25'	12"X4"	1'
8"X4"	7'	12"X6"	16'
8"X6"	22'	12"X8"	31'
8"X8"	36'	12"X10"	43'
10"X4"	2'	12"X12"	55'
10"X6"	19'	16"X12"	51'
16"X6"	9'	16"X16"	73'
16"X8"	26'		

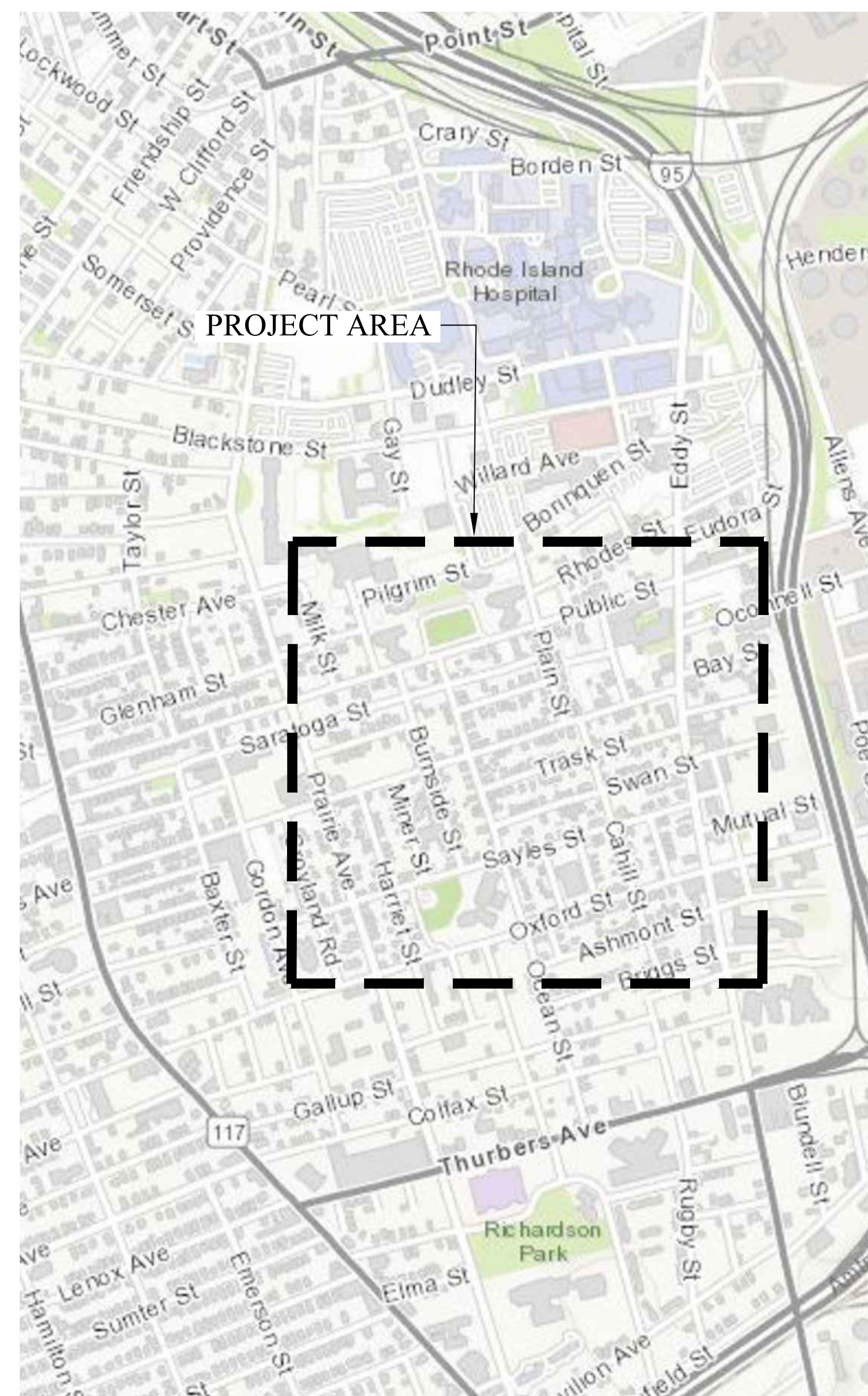
**NOTES**

RESTRAIN LENGTHS ARE CALCULATED IN FEET FROM FACE OF LIFTING TO CLOSEST BELL OR MECHANICAL JOINTS.

ALL CALCULATIONS ARE BASED ON THE PIPE BEDDED IN A 4" MINIMUM OF LOOSE SOIL BACKFILL, LIGHTLY CONSOLIDATED TO TOP PIPE AND THEN BACKFILLED TO A DEPTH OF 4.0'. ALSO THE PIPE HAVE A MAXIMUM PRESSURE OF 150 PSI.

**GENERAL NOTES**

- CONTRACT PLANS ARE DRAWN TO SCALE, HOWEVER ALL SYMBOLOLOGY SHOWN ON DRAWINGS ARE FOR DIAGRAMMATIC PURPOSES ONLY AND ARE NOT TO SCALE.
- EXISTING UTILITIES ARE SHOWN FOR REFERENCE ONLY. ALL UTILITIES MAY NOT BE SHOWN. CONTRACTOR SHALL NOTIFY "DIG-SAFE" PRIOR TO COMMENCING WORK.
- NEW WATER MAINS SHALL BE TESTED AND CHLORINATED IN ACCORDANCE WITH PROVIDENCE WATER STANDARDS AND AS DIRECTED BY PROVIDENCE WATER.
- PROVIDENCE WATER MUST BE NOTIFIED A MINIMUM OF 72 HOURS IN ADVANCE OF ANY SERVICE INTERRUPTION.
- ALL MATERIALS USED IN CONSTRUCTION, REPAIR OR MAINTENANCE OF THE WATER SYSTEM SHALL MEET THE APPROVAL OF PROVIDENCE WATER. AN APPROVED LIST OF MATERIALS AND MANUFACTURERS IS PROVIDED IN THE SPECIFICATIONS.
- NEW WATER MAINS SHALL BE CEMENT-LINED ZINC-COATED CLASS 52 DUCTILE IRON PIPE CONFORMING TO THE LATEST AWWA STANDARDS. (HIGH SERVICE MAINS WITHIN METRO PROVIDENCE AREA TO BE CL56 DI).
- PIPE FITTINGS SHALL BE CEMENT-LINED ZINC-COATED COMPACT DUCTILE IRON, CLASS 350 (AWWA C153), WITH MECHANICAL JOINT ENDS.
- ALL MECHANICAL JOINTS SHALL BE FURNISHED WITH MECHANICAL JOINT RESTRAINTS PLACED ON EACH SIDE OF IN-LINE FITTINGS. ALL PIPE JOINTS PRIOR TO END CAPS AND CHANGES IN PIPE DIRECTION SHALL BE RESTRAINED IN ACCORDANCE WITH PROVIDENCE WATER STANDARDS.
- ALL RESTRAINING RODS & BOLTS, WHEN USED, MUST BE COATED WITH SPRAY BITUMINOUS COATING.
- UNLESS OTHERWISE NOTED, EARTH COVER OVER PIPE SHALL NOT BE LESS THAN 4.5 FEET.
- GATE VALVES SHALL BE RESILIENT SEAT TYPE WITH MECHANICAL JOINT ENDS AND SHALL OPEN "RIGHT" (CLOCKWISE).
- METALLIZED, DETECTABLE, IDENTIFICATION TAPE SHALL BE 2-INCHES WIDE, BLUE IN COLOR, AND IMPRINTED WITH THE WORDS "CAUTION - WATER LINE BURIED BELOW", AND SHALL BE INSTALLED OVER ALL MAINS AND HYDRANT RUN-OUTS AT A DEPTH OF 18-24 INCHES BELOW FINISHED GRADE.
- CURB STOPS SHALL BE INSTALLED 1 FT. TO 1-1/2 FT. BEHIND FACE OF CURB OR EDGE OF PAVEMENT. CURB STOPS ARE NOT TO BE INSTALLED IN EXISTING OR FUTURE DRIVEWAYS.
- UNLESS OTHERWISE NOTED, BREAKAWAY TYPE HYDRANTS, SHALL BE INSTALLED AT EXISTING LOCATIONS WITH OPERATING NUT POSITIONED 24-INCHES BEHIND FACE OF CURB OR EDGE OF PAVEMENT. THE BREAKAWAY FLANGE SHALL BE SET 2-INCHES TO 4-INCHES ABOVE FINISHED GRADE. HYDRANTS SHALL OPEN "RIGHT" (CLOCKWISE).
- PORTLAND CEMENT CONCRETE THRUST BLOCKS AND/OR GRAVITY BLOCKS SHALL BE CONSTRUCTED IN PLACE AT CHANGES OF PIPE DIRECTION (TEES, BENDS, ETC) AND/OR DEAD ENDS IN ACCORDANCE WITH PROVIDENCE WATER STANDARDS.
- ALL UTILITIES TO BE ABANDONED SHALL BE CAPPED OR PLUGGED.
- UTILITY SERVICE CONNECTIONS SHALL BE MAINTAINED TO ALL EXISTING FACILITIES.
- FIRE HYDRANTS SHALL NOT BE REMOVED FROM SERVICE WITHOUT EXPRESSED CONSENT FROM THE FIRE DEPARTMENT AND PROVIDENCE WATER.
- DEMOLITION OF BITUMINOUS PAVING AND CONCRETE SHALL BE PERFORMED BY SAWCUTTING ONLY. RIPPING OF PAVEMENT IS UNACCEPTABLE.
- UNDER NO CIRCUMSTANCE SHALL THE CONTRACTOR BE ALLOWED TO STOCKPILE REMOVED PAVEMENT MATERIALS WITHIN THE PROJECT LIMITS OR DESIGNATED AREA.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING ALL ROADWAYS FREE OF DEBRIS RESULTING FROM THEIR CONSTRUCTION OPERATIONS. ALL DEBRIS SHALL BE REMOVED TO THE SATISFACTION OF THE ENGINEER AT THE END OF EACH WORK DAY.
- ALL EXCAVATIONS SHALL BE TEMPORARILY PAVED AT THE CLOSE OF EACH DAYS WORK IN ACCORDANCE WITH EACH RESPECTIVE CITY OR TOWN PERMIT, AS REQUIRED PER SPECIFICATIONS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTION, REPAIRS AND/OR RESTORATION OF ALL AREAS ADJACENT TO THE CONTRACT AREA DISTURBED BY THE CONTRACTOR'S OPERATIONS.
- ALL VALVES AND COUPLING CONNECTIONS AT WORK LIMIT TERMINATIONS SHALL BE RESTRAINED TO THE NEW PIPING FOR FUTURE WORK IN ADJACENT AREAS.
- ALL END CAPS SHALL BE TAPPED AND CORP VALVE BE INSTALLED.



VICINITY MAP

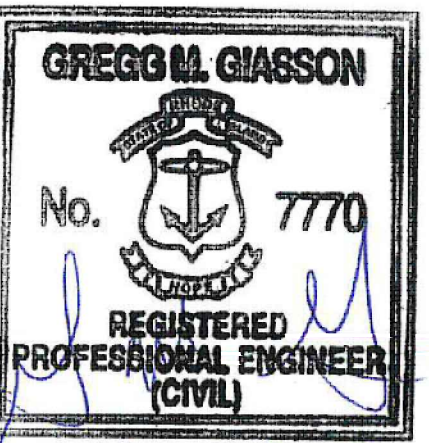
NOT TO SCALE  
MAP SOURCE: RIDEM,(2022)

**COVER SHEET**  
 WATER MAIN REHABILITATION  
 LOWER SOUTH PROVIDENCE (NORTH)  
 PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

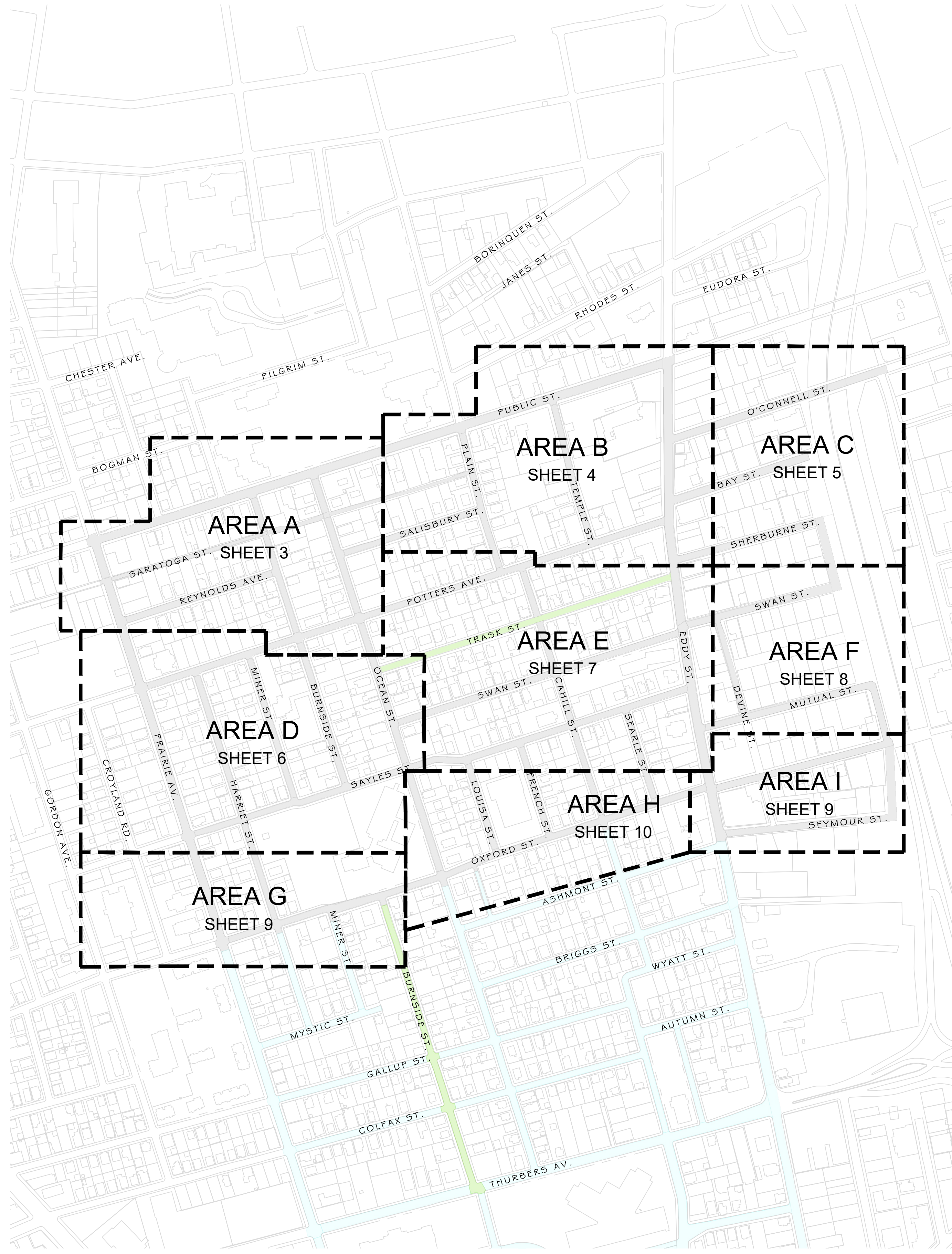
ES/PMP DRAWN BY	CD,NR,AP CHECKED BY
N/A SCALE	01/06/2025 DATE

SHEET



GREGG GIASSON  
EXECUTIVE ENGINEER

*Peter R. Lepage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING



**CONTRACT STREETS**

**KEY**

- CONTRACT STREETS
- CONTRACT 2-26  
(SEE CONTRACT 2-26 LOWER SOUTH PROVIDENCE (SOUTH))
- STREET WITH PAVEMENT MORATORIUMS  
(MAY BE EXCLUDED FROM CONTRACT)

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SEARLE STREET	7,9	2025-19
SEYMOUR STREET	8,10	2025-23
SHERBURNE STREET	4,5	2025-26
SWAN STREET	7,10	2025-8
TEMPLE COURT	4	2025-5
TEMPLE STREET	4	2025-21
TRASK STREET	6,7	2025-7



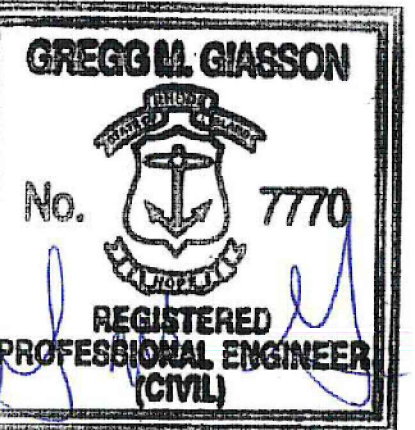
NOT TO SCALE

**KEY MAP**  
WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
1	1/9/23		NCR

ES/PMP DRAWN BY	CD,NR,AP CHECKED BY
NTS SCALE	01/06/2025 DATE

SHEET



GREGG M. GIASSON  
EXECUTIVE ENGINEER  
*Peter R. Lepage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

# AREA A PLAN

WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

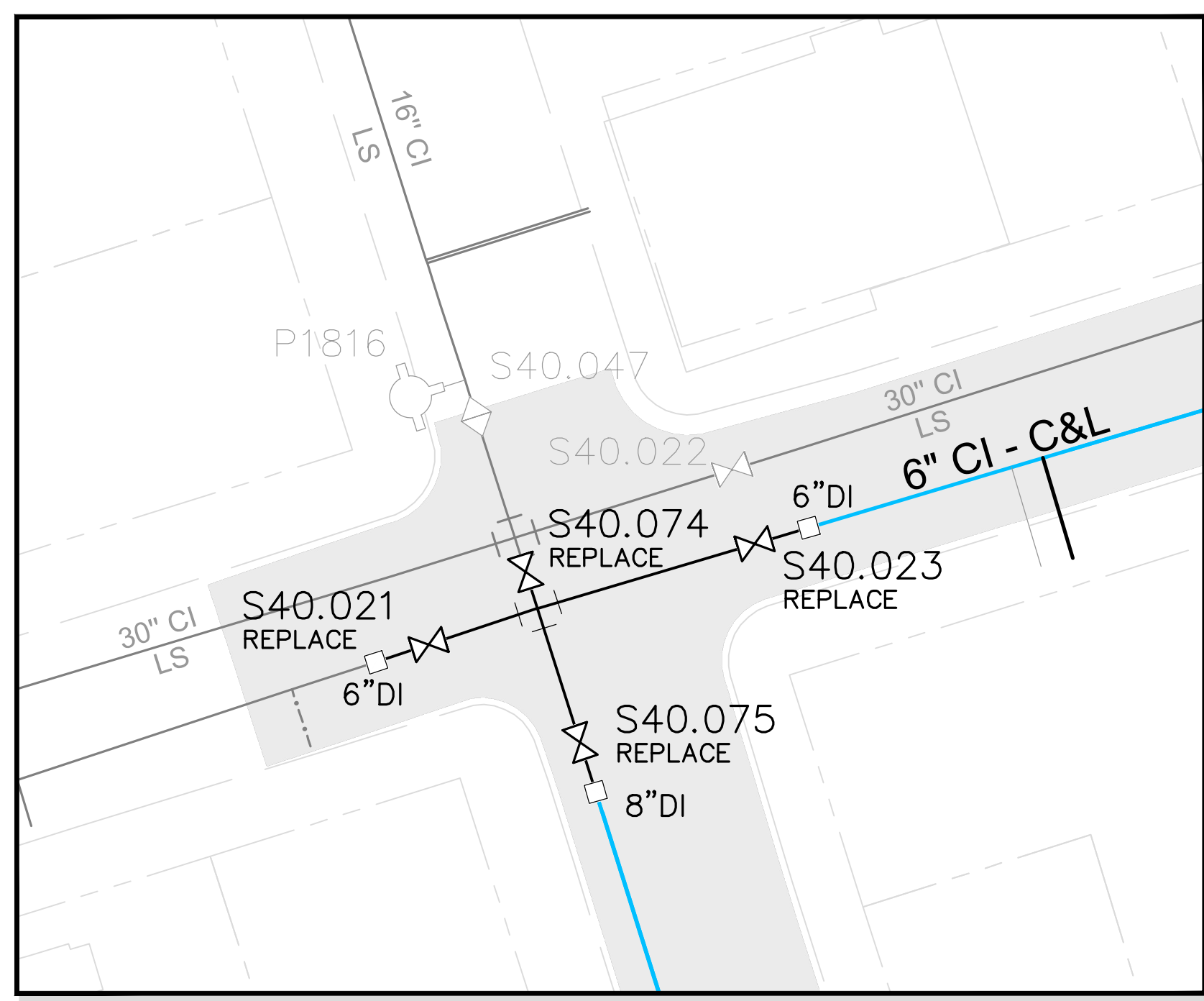
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CD.NR.AP  
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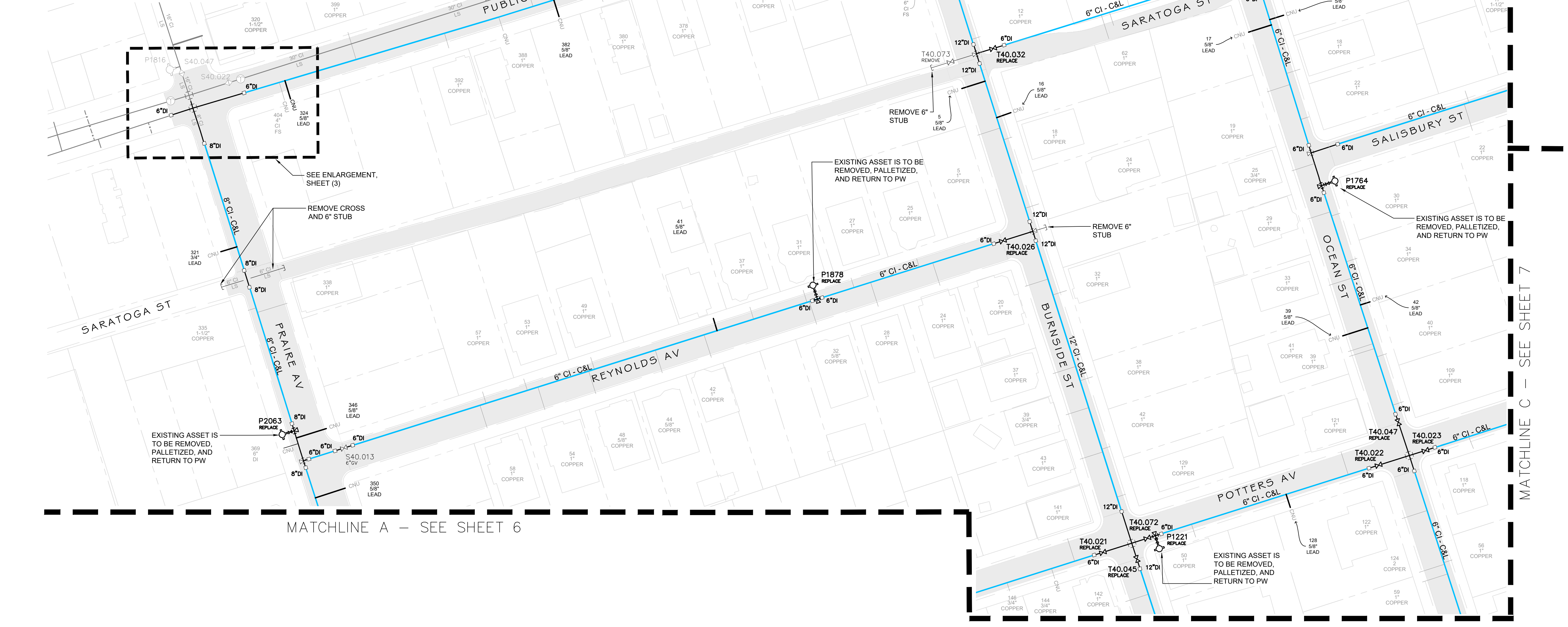
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01/06/2025  
DATE

SHEET



1  
3  
INTERSECTION PUBLIC AND PRAIRE ENLARGEMENT  
1"=20'-0"

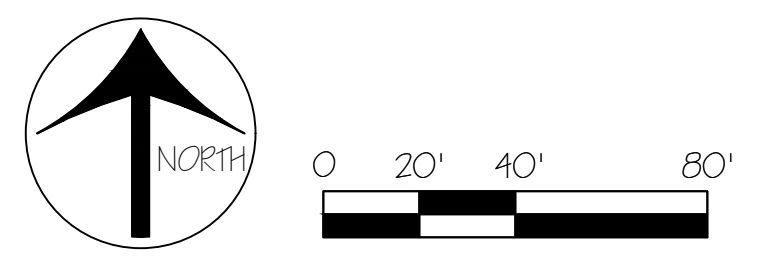


MATCHLINE A - SEE SHEET 6

MATCHLINE A - SEE SHEET 6

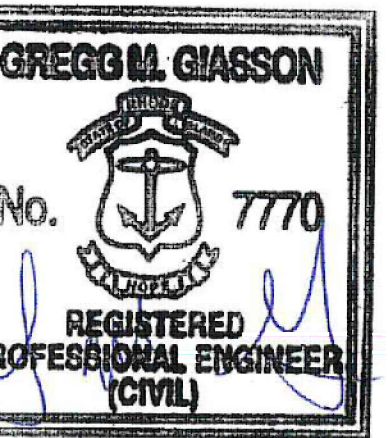
MATCHLINE C - SEE SHEET 4

MATCHLINE C - SEE SHEET 7



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GREGG GIASSON  
EXECUTIVE ENGINEER

*P.R. Lepage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

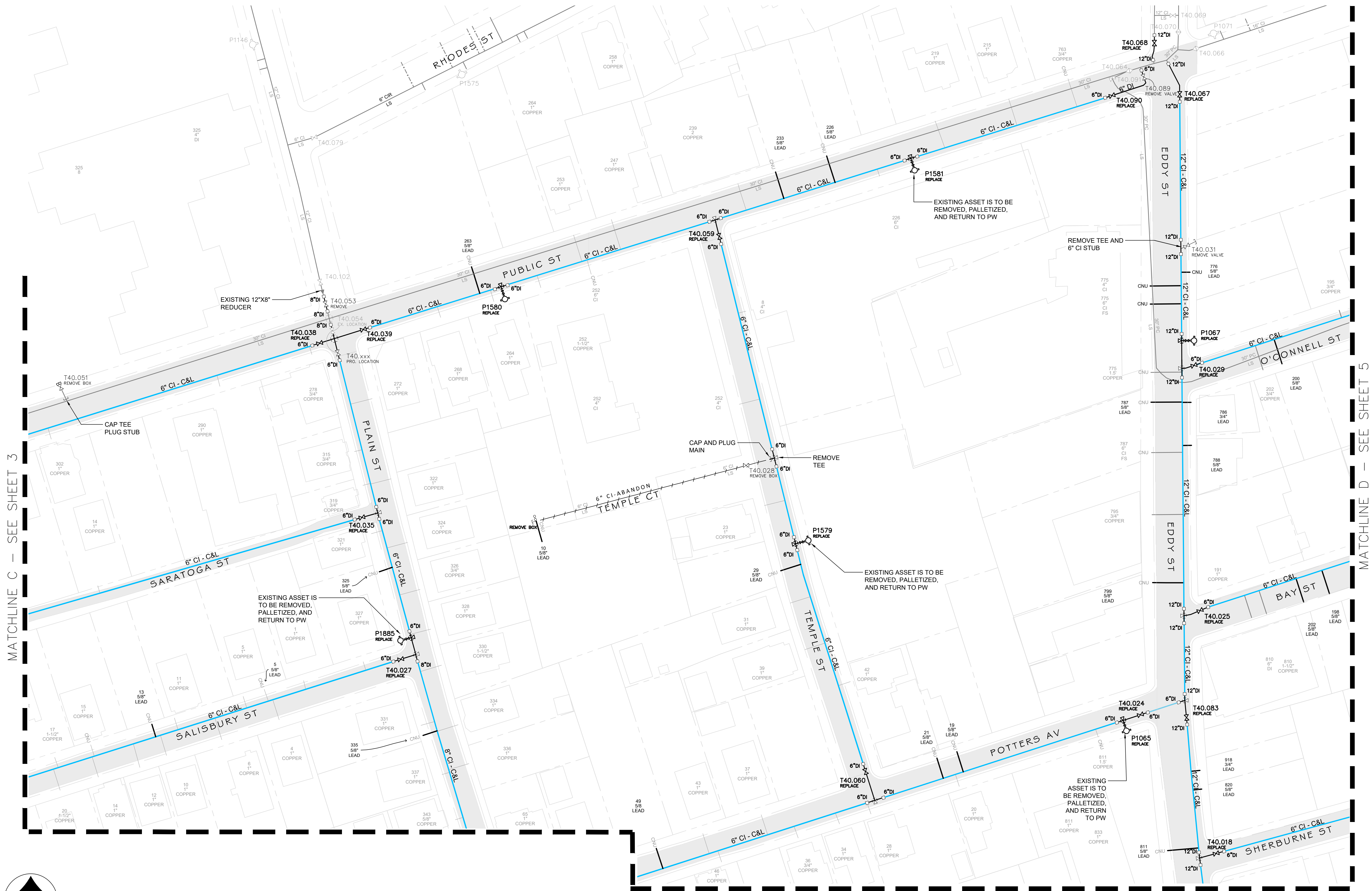
# AREA B PLAN

WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

ES/PMP DRAWN BY	CD.NR.AP CHECKED BY
1"=40'-0" SCALE	01/06/2025 DATE

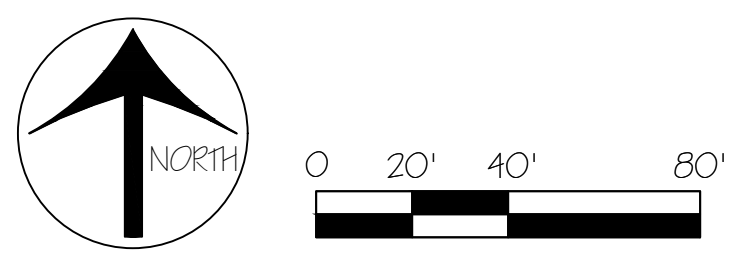
SHEET



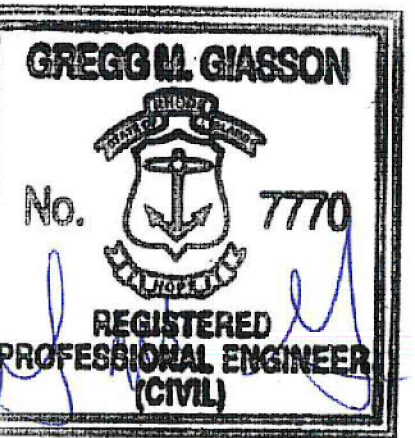
MATCHLINE C - SEE SHEET 3

MATCHLINE D - SEE SHEET 5

MATCHLINE A - SEE SHEET 7



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1-6-2025  
GREGG GIASSON  
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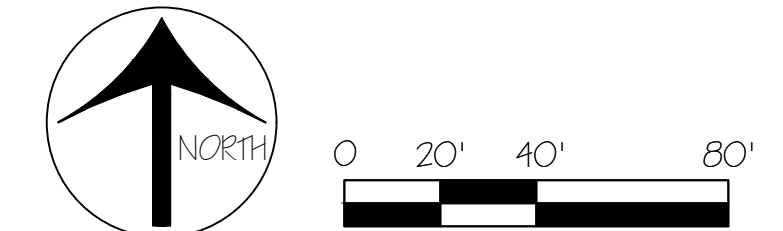
**AREA C PLAN**  
WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI



NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

ES/PMP DRAWN BY	CD.NR.AP CHECKED BY
1"=40'-0" SCALE	01/06/2025 DATE

SHEET



**AREA D PLAN**  
WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

ES/PMP  
DRAWN BY

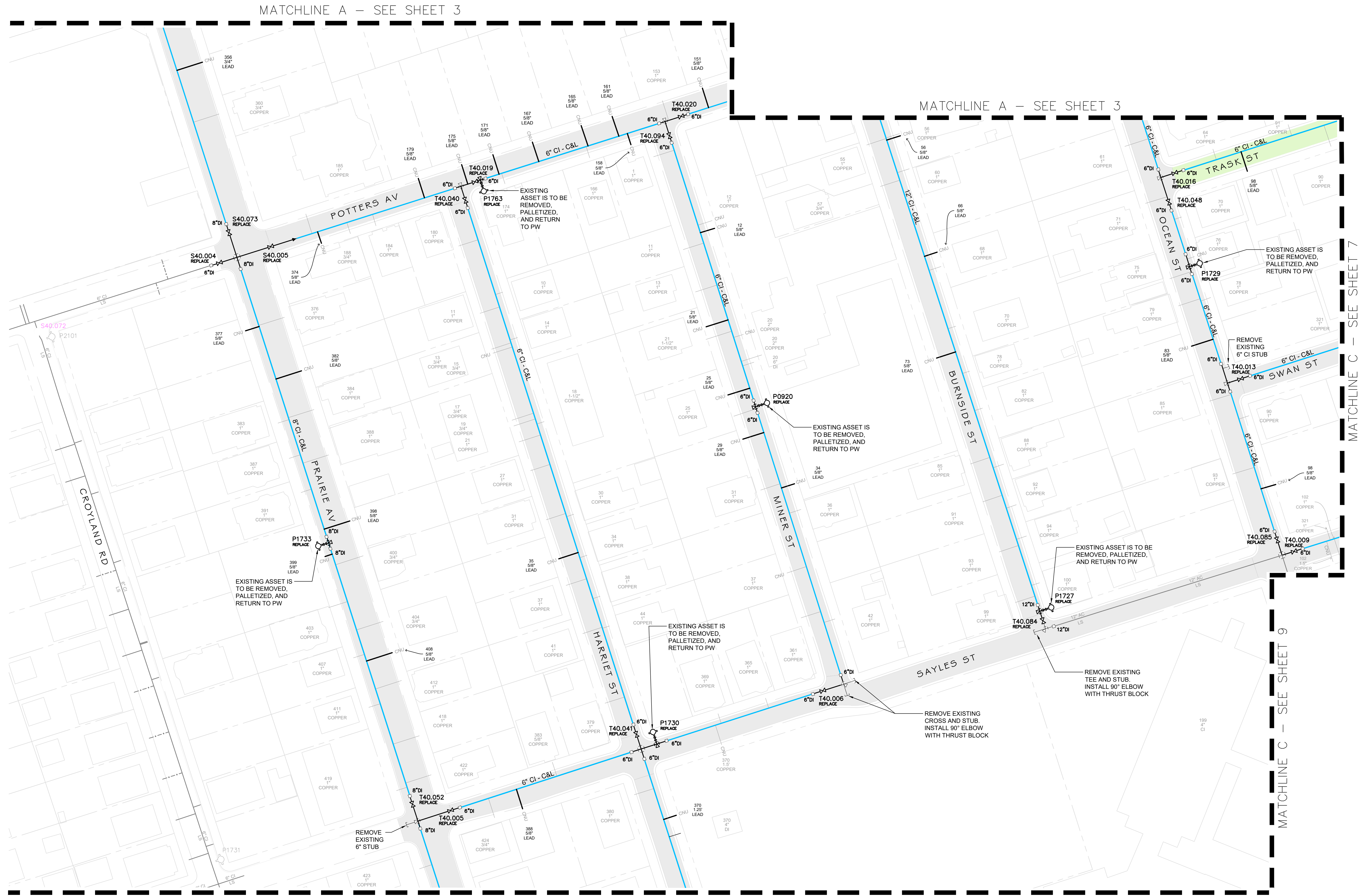
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SCALE

01/06/2025  
DATE

SHEET

6 OF 10



MATCHLINE A - SEE SHEET 3

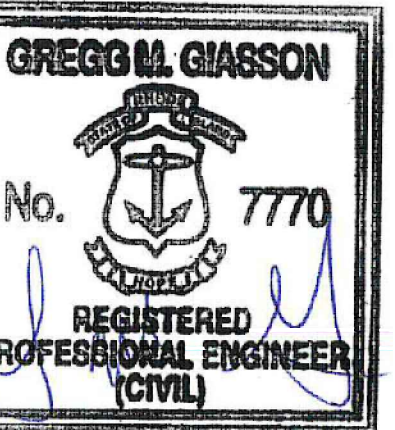
MATCHLINE A - SEE SHEET 3

MATCHLINE C - SEE SHEET 7

MATCHLINE C - SEE SHEET 9

MATCHLINE B - SEE SHEET 8





GREGG GIASSON  
EXECUTIVE ENGINEER

*P.R. LePage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

# AREA E PLAN

WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
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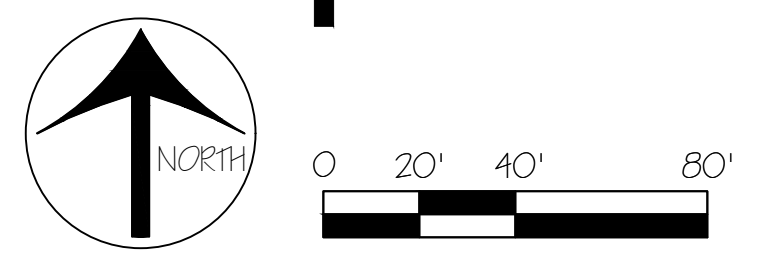
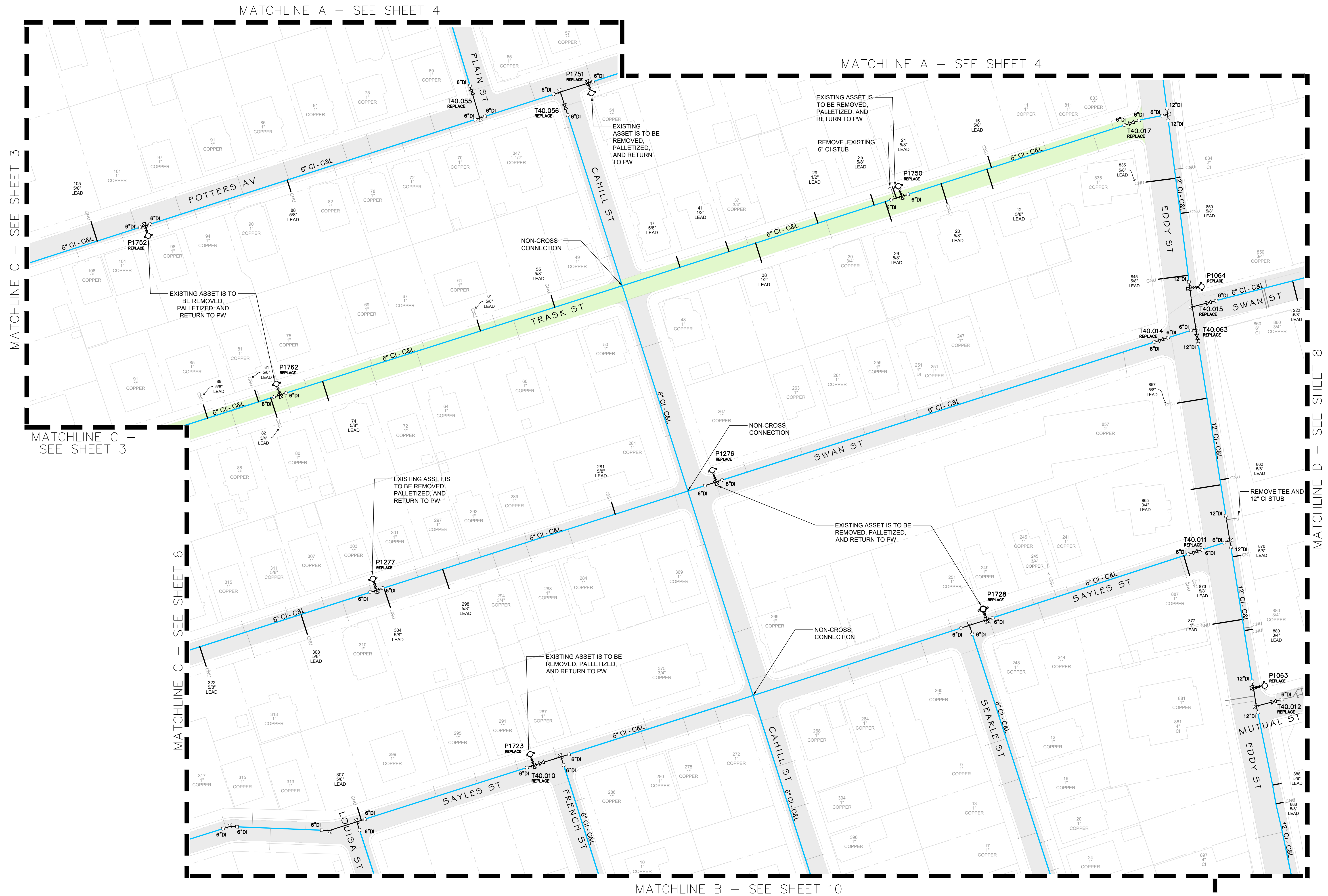
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CD.NR.AP  
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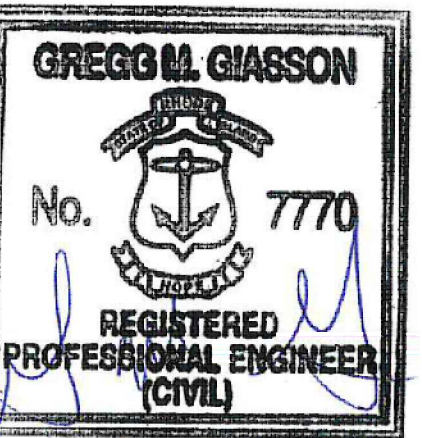
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01/06/2025  
DATE

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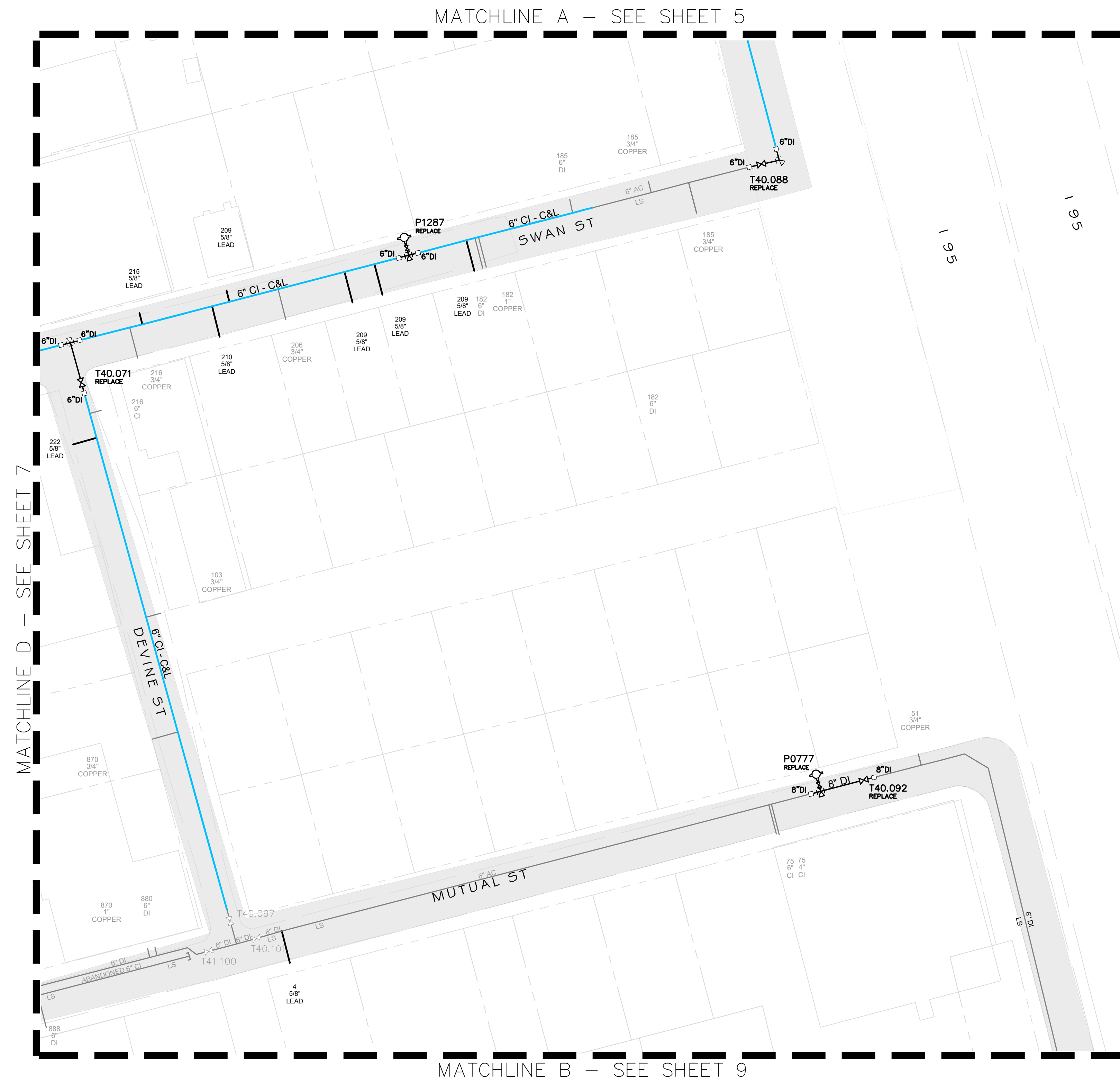
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GREGG GIASSON  
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PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

**AREA F PLAN**  
WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

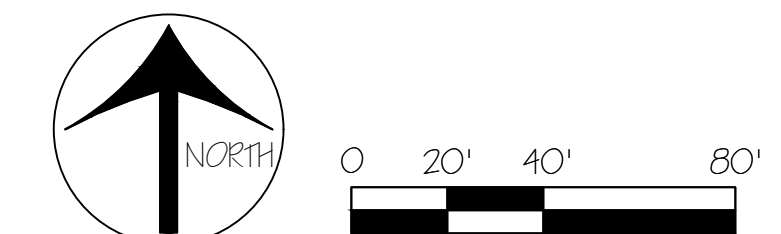


NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

ES/PMP DRAWN BY	CD.NR.AP CHECKED BY
1"=40'-0" SCALE	01/06/2025 DATE

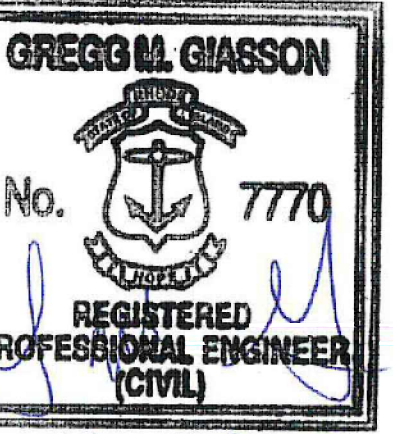
SHEET

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CONTRACT  
1-25



GREGG GIASSON  
EXECUTIVE ENGINEER

*Peter R. Lepage*  
PETER R. LEPAGE  
DIRECTOR OF ENGINEERING

# AREA G, I PLAN

WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

NO.	DATE	REVISION	APPROVED BY
	1/9/23		NCR

ES/PMP  
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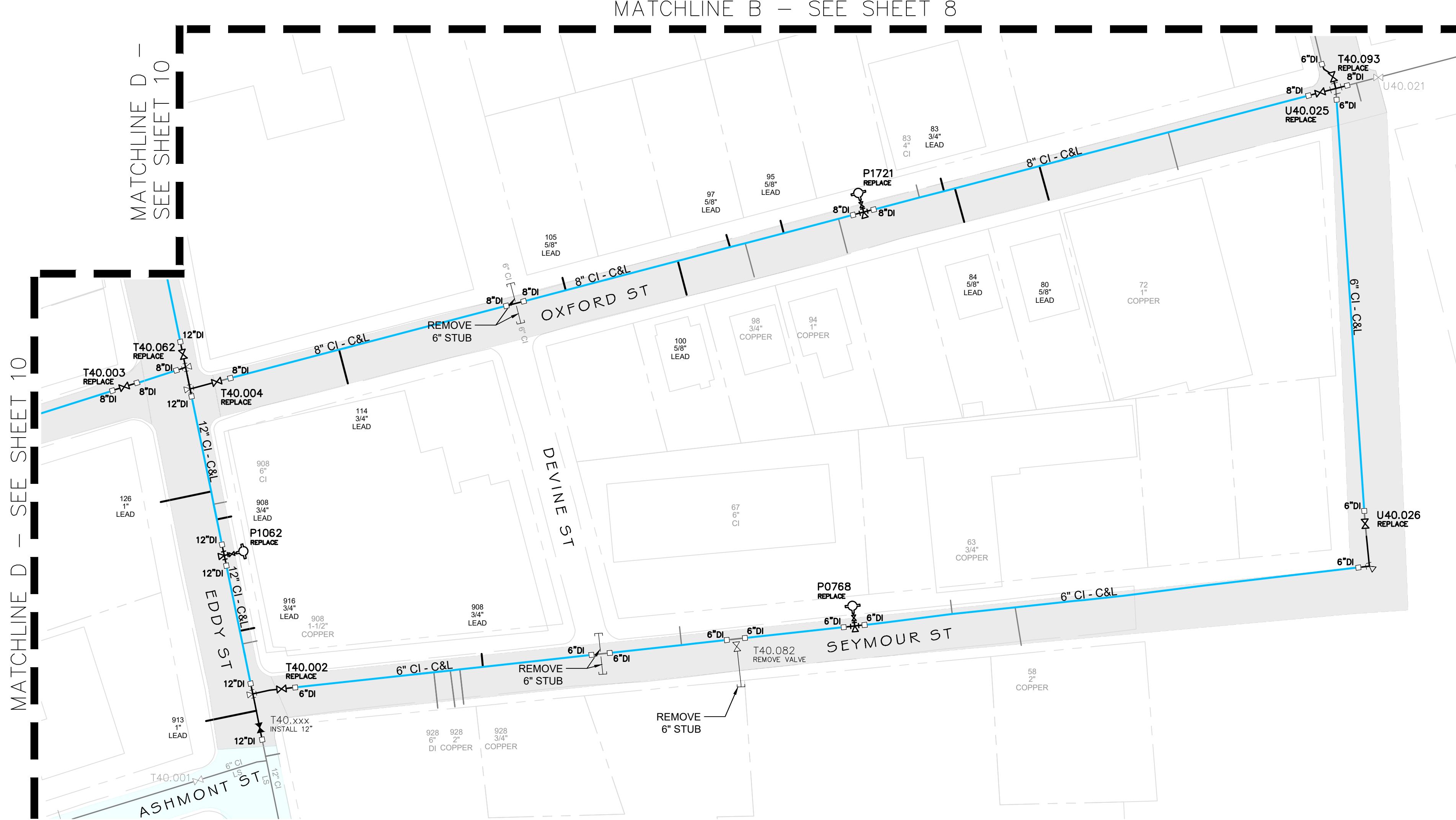
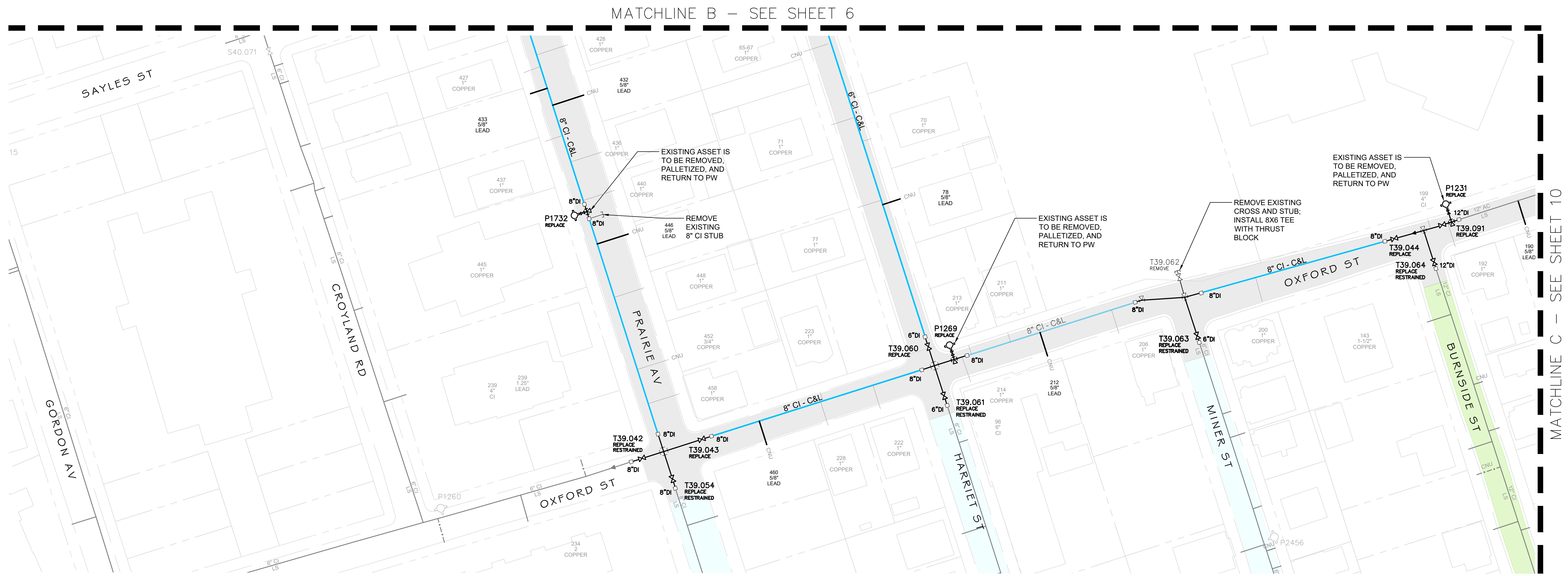
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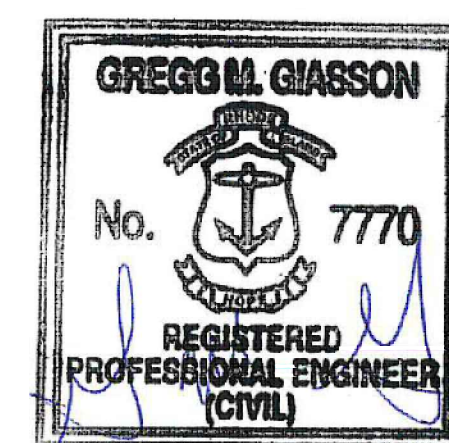
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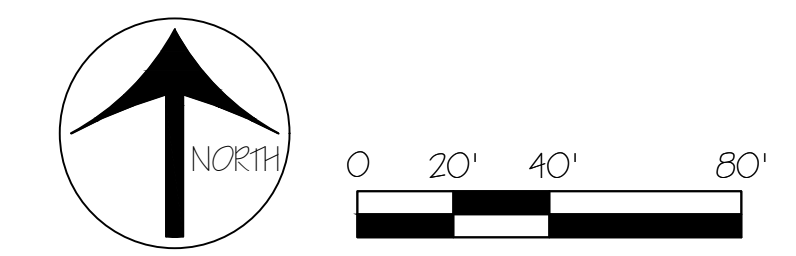
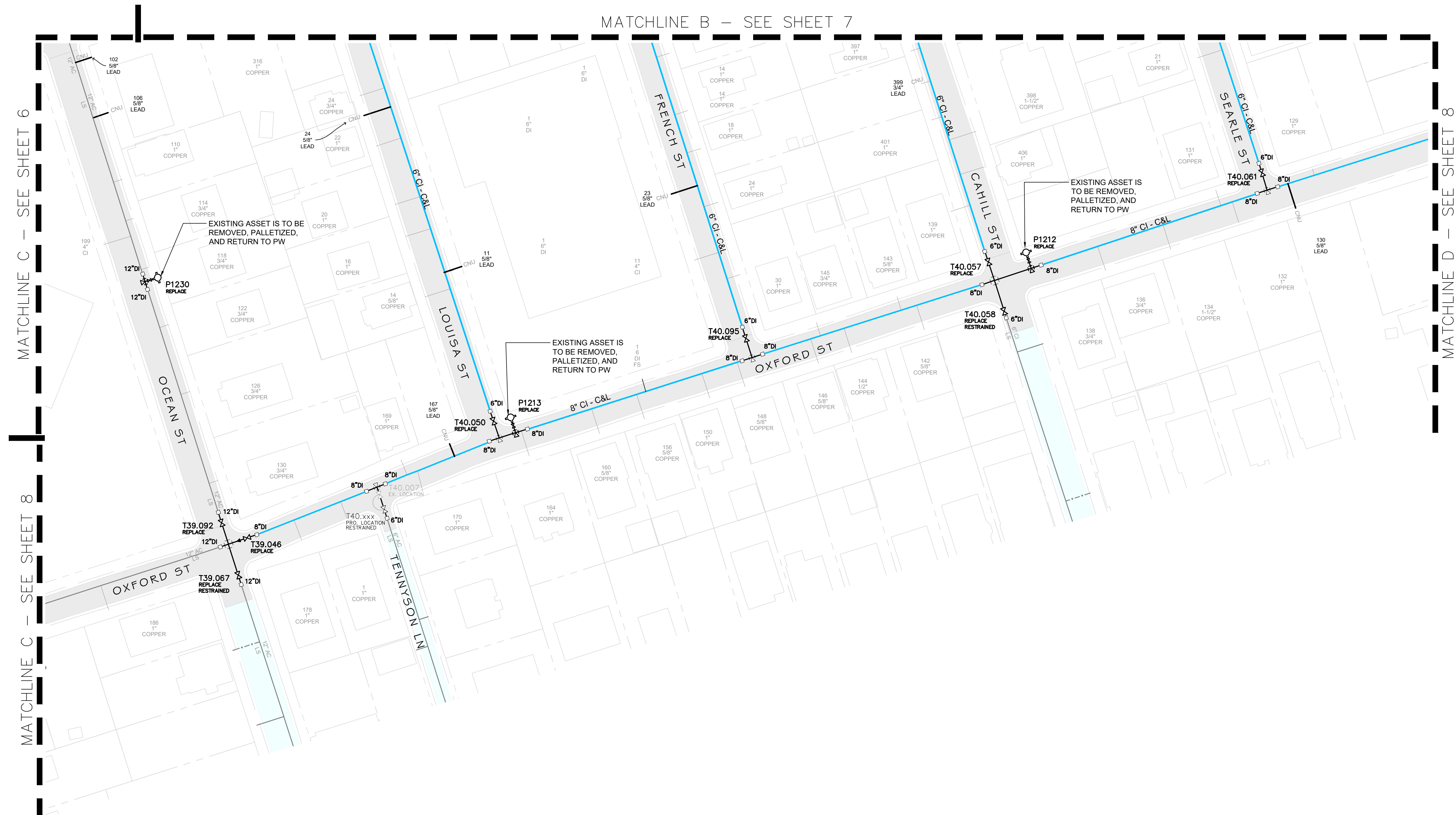
**AREA H PLAN**  
WATER MAIN REHABILITATION  
LOWER SOUTH PROVIDENCE (NORTH)  
PROVIDENCE, RI

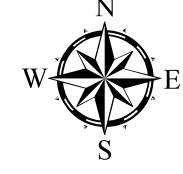
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	1/9/23		NCR

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1"=40'-0" SCALE 01/06/2025 DATE

SHEET





# 1-25 Lower South Providence

0 70 140 280 Feet



- + Hydrant
- System Valve**
- + Closed
- + Open
- Lateral Line**
- Lead
- Copper
- Other
- Private Side, Representative Only
- Mainline**
- Pressure Area**
- High Service
- Low Service
- Extra High Service
- Booster Pump Zone
- Pressure Reduced Area
- Private Pipe
- Abandoned Main

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Exported: 2/3/2025