

BID DOCUMENTS
FOR
2025 WATER SERVICE LINE IDENTIFICATION PROJECT
EGLT TMF GRANT



CITY OF OWOSSO
301 W. MAIN STREET
OWOSSO, MICHIGAN 48867

April 3, 2025

NOTICE TO BIDDERS
2025 WATER SERVICE LINE IDENTIFICATION PROJECT
FOR THE CITY OF OWOSSO, MICHIGAN

Sealed proposals will be received by the city of Owosso for the **2025 WATER SERVICE LINE IDENTIFICATION PROJECT** bid and should be addressed to:

Bid Coordinator
City of Owosso
301 W. Main Street
Owosso, Michigan 48867

Major items include: hydro excavating water service lines at curb stop, hard surface restoration, lawn restoration, and possible water service line replacement.

Bids will be accepted until **3:00 p.m. TUESDAY, May 6, 2025** for the **2025 WATER SERVICE LINE IDENTIFICATION PROJECT** at which time bids will be publicly opened and read aloud. This bid will be considered "All or None".

"All or None" means that bidders are required to submit pricing for all items requested. Any proposal received that does not meet this requirement will be disqualified. If said bid is not listed as "All or None" the City reserves the right to split said bid to our best benefit.

All bids must be in writing and must contain an original signature by an authorized officer of the firm. Electronic bids (i.e., telephonic, fax, email, etc.) are **NOT** acceptable.

All bids must be accompanied by a Bid Bond for a sum of not less than 5% of the total bid and shall be made payable to the city of Owosso. This amount shall be forfeited in the case of failure on the part of the successful bidder to sign a contract and furnish satisfactory bonds as required within ten (10) consecutive calendar days after the acceptance of the bid by the city of Owosso.

The bidder agrees that if the city accepts their proposal, the bidder will, within 10 consecutive calendar days after receiving notice of this acceptance, enter into a contract to furnish all labor, equipment and tools necessary to execute the work at the unit prices named in the bid proposal and will furnish the surety for performance, for one hundred percent (100%) of this bid, which shall be accepted and approved by the city.

All bids shall clearly contain on the outside of the **sealed** envelope in which they are submitted:

2025 WATER SERVICE LINE IDENTIFICATION PROJECT

Hard copies of the proposal, contract forms and specifications are on file and may be obtained for a fee in accordance with the city's FOIA Policy at the office of the Bid Coordinator, City Hall, 301 West Main Street, Owosso, Michigan 48867. Bid documents are available at no charge on our website at www.ci.owosso.mi.us or on the MITN website at www.mitn.info.

The city reserves the right to accept any proposal; or to reject any proposal; to waive irregularities in a proposal; or to negotiate if it appears to be in the best interest of the city of Owosso. The bid shall be valid for a period of 90 days from the date of opening. A bid valid for a shorter period may be rejected by the city of Owosso. During the bid validity period, the bidder shall maintain its original bid without any change to the proposed unit prices and total price.

No work can begin before July 7, 2025 and all work is to be completed by November 15, 2025.

INQUIRIES/ADDENDUMS

Addendums will be available on the city's website at www.ci.owosso.mi.us and on the MITN website at www.mitn.info.

All inquiries regarding this bid request must be received at least seven (7) calendar days prior to the submission and shall be received in, and responded to, in writing, or via FAX at 989-723-8854 or by e-mail to Clayton Wehner at clayton.wehner@ci.owosso.mi.us. Call 989-725-0551 to arrange to field inspection.

INSTRUCTIONS TO BIDDERS

1. Each proposal must be signed by the bidder with his usual signature. Bids by partnerships should be signed with the partnership name by one of the members of the partnership or by an authorized representative, followed by the signature and title of the person signing. Proposals by corporations must be signed with the name of the corporation, followed by the signature and designation of the president, vice-president or person authorized to bind it in the matter. **Any paperwork not filled out properly or signed will cause the bid to be considered non-responsive and shall be rejected by the city.**
2. Proposals, to receive consideration, must be received prior to the specified time of opening and reading as designated in the invitation.
3. Bidders are requested to use the proposal form furnished by the city when submitting their proposals. Envelopes must be **sealed** when submitted and clearly marked on the outside indicating the name of the bid.
4. Proposals having and erasures or corrections thereon may be rejected unless explained or noted over the signature of the bidder.
5. References in the specifications or description of materials, supplies, equipment, or services to a particular trade name, manufacturer's catalog, or model number are made for descriptive purposes to guide the bidder in interpreting the type of materials or supplies, equipment, or nature of the desired work. They should not be construed as excluding proposals on equivalent types of materials, supplies, and equipment or for performing the work in a manner other than specified. However, the bidders' attention is called to General Condition seven (7).
6. Proposals should be mailed or delivered to: Bid Coordinator's Office, City Hall, 301 W. Main Street, Owosso, MI 48867.
7. Special conditions included in this inquiry shall take precedence over any conditions listed under General Conditions or Instructions to Bidders.
8. Insurance coverage – The winning bidder, prior to execution of the contract, shall file with the city copies of completed certificates of insurance naming the city of Owosso as an additional insured party, as evidence that the contractor carries adequate insurance satisfactory to the city.
9. **The following items must be included with the bid response:**
 - a. **Vendor Proposal**
 - b. **Signature Page & Legal Status/ Acknowledgement of Addendum(s)**
 - c. **W-9 Request for Taxpayer ID No. and Certification**
 - d. **Certification Regarding Debarment, Suspension, and Other Responsibility Matters**
 - e. **Iran Linked Business Certification**

BID Proposal

2025 WATER SERVICE LINE IDENTIFICATION PROJECT

TO: THE CITY OF OWOSSO (HEREINAFTER CALLED THE "CITY")

Bidder must provide pricing for each item listed. If additional pricing elements are being offered by the bidder, they are to be listed under "other services/items offered."

The undersigned, having examined the bid proposal forms and specifications, does hereby offer to 2025 WATER SERVICE LINE IDENTIFICATION PROJECT listed below at the following prices to wit:

Water Service Line Identification Bid Items (1-10)

Item	Description	Approx. Quantity	Unit	Unit Price	Total Price
1	Hydro-Excavation, 0 to 2 ft diameter	1,120	Ea		
2	Hydro-Excavation, 2 to 6 ft diameter	200	Ea		
3	Hydro-Excavation, 6 ft diameter and Greater	30	Ea		
4	HMA Pavement Removal	1,000	Sft		
5	Aggregate Base Course	50	Ton		
6	Hand Patching, HMA	50	Ton		
7	Concrete Replacement, 4 inch thick	1,000	Sft		
8	Concrete Replacement, 6 inch thick	1,000	Sft		
9	Maintenance Gravel	50	Ton		
10	Maintaining Traffic	1	LSUM		

Bidder's Initial _____

Total of Water Service Line Identification Bid Items (Items 1-10):

(use words)

\$

(use figures)

Water Service Line Replacement Bid Items (101-118) (IF NEEDED) (NON-PARTICIPATING)

Item	Description	Approx. Quantity	Unit	Unit Price	Total Price
101	Water Service, Case 1, 1 inch, Curb Stop to Water Meter	10	Ea		
102	Water Service, Case 1, 1 1/2 inch, Curb Stop to Water Meter	1	Ea		
103	Water Service, Case 2, 1 inch, Main to Curb Stop	10	Ea		
104	Water Service, Case 2, 1 1/2 inch, Main to Curb Stop	1	Ea		
105	Water Service, Case 3, 1 inch, Main to Water Meter	10	Ea		
106	Water Service, Case 3, 1 1/2 inch, Main to Water Meter	1	Ea		
107	Failed Attempt, Trenchless	5	Ea		
108	Water Meter Pit, Rem	5	Ea		
109	Supply & Install Meter Pit, Complete	5	Ea		
110	HMA Pavement Removal	3,000	Sft		

Item	Description	Approx. Quantity	Unit	Unit Price	Total Price
111	Aggregate Base Course	150	Ton		
112	Hand Patching, HMA	150	Ton		
113	Concrete Replacement, 4 inch thick	1,125	Sft		
114	Concrete Replacement, 6 inch thick	375	Sft		
115	Maintenance Gravel	150	Ton		
116	Curb and Gutter, Rem	300	Ft		
117	Curb and Gutter, Conc, Det F4	300	Ft		
118	Water Main Tap	5	Ea		

Bidder's Initial _____

Total of Water Service Line Replacement Bid Items (Items 101-118):

_____ (use words)

\$ _____ (use figures)

GRAND TOTAL (Items 1-10 & 101-118):

(use words)

\$

(use figures)

VARIANCE FROM SPECIFICATIONS: If the bidder is unable to comply with the specifications as outlined, the bidder shall clearly note these variations from the specifications. The bidder may also propose additions to these specifications for the city to consider, but the costs associated with these additions shall be stated separately.

If the work is not complete on or before the date set for completion or any extension, the Contractor shall pay the city liquidated damages of *one thousand dollars (\$1,000.00)* a calendar day until the work is satisfactorily completed. Liquidated damages for delay may be deducted from payments due the contractor or may be collected from the Contractor or the Contractor's surety.

The undersigned agrees that if the city accepts this proposal, Contractor will, within 10 consecutive calendar days after receiving notice of this acceptance, enter into a contract to furnish all labor, equipment and tools necessary to execute the work at the unit prices named in the bid proposal. Contractor will furnish the surety for performance, for 100% of this bid, which shall be accepted and approved by the city.

The undersigned agrees that if the city accepts this proposal, Contractor will start this project no sooner than July 7, 2025 and will substantially complete the entire work under this contract by July 7, 2025. This schedule may be extended for rain days or cold weather for calendar days after November 15, 2025, only as approved by the city of Owosso.

The city will provide the Contractor with a list of addresses and a corresponding map of water service lines to be identified after contract award. An overview of targeted streets is included in the bid documents for reference.

On behalf of _____, I hereby submit this proposal for **2025 WATER SERVICE LINE IDENTIFICATION PROJECT** for your consideration. The undersigned acknowledges that this proposal is subject to the General Conditions and the General Specifications included in the contract documents. The undersigned certifies that he is an official legally authorized to bind his firm and to enter into a contract should the city accept this proposal. In submitting this proposal, it is understood that the right is reserved by the CITY to reject any and all proposals and waive any irregularities in the bidding process. The CITY may award this contract based on any combination of the total bid and/or alternates.

Bid proposal by (Name of Firm): _____

Please check the appropriate box and USE CORRECT LEGAL NAME.

☐ Corporation

State of Incorporation: _____

☐ Partnership

List of names: _____

☐ DBA

State full name: _____

☐ Other

Explain: _____

Signature of Bidder: _____

Title: _____

Signature of Bidder: _____

Title: _____

Address: _____

City, Zip: _____

Telephone: _____

Email Address: _____

Signed this

Day of

2025

Bidder acknowledges receipt of the following Addenda:

ADDENDUM NO: BIDDER'S INITIALS:

GENERAL CONDITIONS

1. BID ACCEPTANCE

The city reserves the right to reject any or all proposals. Unless otherwise specified, the city reserves the right to accept any item in the proposal. In case of error in extending the total amount of the bid, the unit prices shall govern. The city objects to any additional terms stated in any documents submitted by the contractor. Performance pursuant to our Purchase Order/Equipment Agreement constitutes a course of conduct consisting of Contractor's Agreement to the terms of our Purchase Order/Equipment Agreement.

2. PAYMENT

Unless otherwise stated by the bidder, time, concerning discount offered, will be computed from date of delivery and acceptance at destination or from date correct bill or claim voucher properly certified by the contractor is received. When so stated herein, partial payments, based on a certified approved estimate by the city of materials, supplies or equipment delivered or work done, may be made upon presentation of a properly-executed claim voucher. The final payment will be made by the city when materials, supplies, equipment or the work done have been fully delivered or completed to the full satisfaction of the city.

3. BID DEFAULT

In case of default by the bidder or contractor, the city of Owosso may procure the articles or services from other sources and hold the bidder or contractor responsible for any excess cost occasioned thereby.

4. UNIT PRICES

Prices should be stated in units of quantity specified.

5. QUOTED PRICES

Unless otherwise stated by the bidder, prices quoted will be considered as being based on delivery to a designated destination and to include all charges for packing, crating, containers, shipping, etc., and being in strict accordance with specifications and standards as shown.

6. SUBSTITUTIONS

Wherever a reference is made in the specifications or description of the materials, supplies, equipment, or services required, to a particular trade name, manufacturer's catalog, or model number, the bidder, if awarded a contract or order, will be required to furnish the particular item referred to in strict accordance with the specifications or description unless a departure or substitution is clearly noted and described in the proposal.

7. HOLD CITY HARMLESS

The bidder, if awarded an order or contract, agrees to protect, defend, and save the city harmless against any demand for payment for the use of any patented material, process, article, or device that may enter into the manufacture, construction, or form a part of the work covered by either order or contract. Bidder further agrees to indemnify and save the city harmless from suits or action of every nature and description brought against it, for or on account of any injuries or damages received or sustained by any party or parties, by or from any of the acts of the contractor, his employees, subcontractors, or agents.

8. COMPETITIVE BIDDING STATUTES

The laws of the state of Michigan, the charter and ordinances of the city of Owosso, as far as they apply to the laws of competitive bidding, contracts and purchases, are made a part hereof.

9. SAMPLES

Samples, when requested, must be furnished free of expense to the city and, if not destroyed, will upon request be returned at the bidder' expense.

10. BONDS

A certified check or bid bond may be required, payable to the City of Owosso. If so required in the bid documents, a performance bond and labor and material bond in the amounts stated in the bid documents, shall be on file with the city before work commences. The city will determine the amount and sufficiency of the sureties.

11. PROPOSAL GUARANTEE

All checks or bid bonds, except those of the three lowest bidders, will be returned when the bids have been opened and tabulated. The certified checks or bid bonds of the three lowest bidders will be held until the contract documents have been signed, after which remaining certified checks or bid bonds will be returned to the respective bidders.

12. BIDDERS

The city may demand that the contractor file a sworn experience and financial statement setting forth the financial resources, adequacy of plant and equipment, organization, experience and other pertinent and material facts as may be desirable.

13. INSURANCE AND HOLD HARMLESS

To the fullest extent permitted by law the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Owosso, its elected and appointed officials, employees, agents and volunteers, and others working on behalf of the City of Owosso against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Owosso, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, for all actions of the Contractor.

Contractor shall not commence work under this contract until they have obtained the insurance required under this paragraph, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan and acceptable to the City of Owosso. The requirements below should not be interpreted to limit the liability of Contractor. All deductibles and SIR's are the responsibility of Contractor. Contractor shall procure and maintain the following insurance coverage:

- a. Worker's Compensation Insurance including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.
- b. Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included. (E) Explosion, Collapse, and Underground (XCU) coverage, if applicable. Limits may be obtained by the use of primary and excess/umbrella liability policies.
- c. Automobile Liability including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

- d. Owners' and Contractor Protective Liability: The Contractor shall procure and maintain during the life of this contract, a separate Owners' and Contractor's Protective Liability Policy with limits of liability not less than \$1,000,000 per occurrence and aggregate for Personal Injury, Bodily Injury, and Property Damage. The City of Owosso shall be the "Named Insured" on said coverage.
- e. Additional Insured: Commercial General Liability and Automobile Liability as described above shall include an endorsement stating the City of Owosso shall be listed as additional insured. It is understood and agreed by naming the City of Owosso as additional insured, coverage afforded is considered to be primary and any other insurance the City of Owosso may have in effect shall be considered secondary and/or excess.
- f. Cancellation Notice: All policies, as described above, shall include an endorsement stating that it is understood and agreed Thirty (30) days, Ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, shall be sent to: **(The City of Owosso, Terri Sinn, Insurance Coordinator, 301 W. Main Street, Owosso, MI 48867).**
- g. Proof of Insurance Coverage: Contractor shall provide the City of Owosso at the time that the contracts are returned by him/her for execution, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable.

If any of the above coverages expire during the term of this contract, the Contractor shall deliver renewal certificates and endorsements to the City of Owosso at least ten (10) days prior to the expiration date.

14. PROTECTION OF LAND MONUMENTS AND PROPERTY STAKES

Land monuments or stakes marking property corners shall not be moved or otherwise disturbed except as directed by the city. If any land monuments or lot stakes are moved or disturbed by the contractor, the cost of replacing each land monument or lot stake so moved or disturbed shall be deducted from any money due the contractor, as payment to the city for the cost of replacing said land monument or lot stakes.

15. CONTRACTOR'S RESPONSIBILITY FOR WORK

The contractor shall be responsible for any damages that the work may sustain before its acceptance, and shall rebuild, repair, restore and make good, at its own expense, all injuries and damages to any portion of the work by the action of the elements or from any cause whatsoever before its acceptance. Neither the final payment nor any provision in the contract documents shall relieve the contractor of the responsibility for negligence or faulty materials or workmanship within the extent and period provided by law, and, upon written notice, the contractor shall remove any defects due therefrom and pay for any damaged due to other work resulting therefrom, which shall appear within one year after the date of completion and acceptance.

16. PAYMENT

At monthly intervals commencing after construction has been started, the city will make partial payment to the contractor based on a duly-certified estimate prepared by the city of the work done by the contractor during the preceding four-week period. Each estimate will be submitted to the city council for approval on either the first or third Monday of each month. The city will retain ten percent (10%) of the amount of each such estimate until final completion and acceptance of all work covered by this contract. Before the contractor shall demand final estimates or payment, contractor will furnish to the city, supported by sworn statements, satisfactory evidence that all persons that have supplied labor, materials, or equipment for the work embraced under this contract have been fully paid for the same; and that, in

case such evidence be not furnished as aforesaid, such sums as the city may deem necessary to meet the lawful claims of such persons may be retained by the city from any monies that may be due or become due to the contractor under this contract until such liabilities shall be fully discharged and the evidence thereof be furnished to the city.

17. CITY'S RIGHT TO WITHHOLD CERTAIN AMOUNTS AND MAKE APPLICATION THEREOF

Besides the payment to be retained by the city under the preceding provisions of these general conditions, the city may withhold a sufficient amount of any payment otherwise due to the contractor to cover a) payments earned or due for just claims for furnish labor or materials on the project under this contract, b) for defective work not remedied and c) for failure of the contractor to make proper payments to subcontractors. The city shall disburse and shall have the right to act as agent for the contractor in disbursing such funds as have been previously withheld pursuant to this paragraph to the party or parties who are entitled to payment from it. The city will pay to the contractor a proper accounting of all such funds disbursed for the contractor.

18. OWNER'S RIGHT TO DO WORK

If the contractor should neglect to prosecute the work properly or fail to perform any provisions of this contract, the city, after three (3) days' written notice to the contractor and contractor's surety, may without prejudice to any other remedy he may have, make good such deficiencies and may deduct the cost of it from the payment due the contractor.

19. DEFINITION OF NOTICE

Where in any of the contract documents there is any provision in respect to the giving of notice, such notice shall be deemed given to the owner, when written notice is delivered to the city manager, or placed in the United States mail addressed to the city clerk; as to the contractor, when a written notice shall be delivered to contractor's representative at the project site or by mailing such written notice in the United States mail addressed to the contractor at the place stated in the bid proposal as the business address; as to the surety on the performance bond, when a written notice is placed in the United States mail addressed to the surety at the surety's home office or to its agent or agents who executed such performance bond on behalf of the surety.

20. SUBCONTRACTS

The contractor shall not subcontract any work in the execution of this contract without the written consent of the city. The contractor shall be responsible for the acts or omissions of any subcontractor and of anyone employed directly or indirectly by such subcontractor.

21. ASSIGNMENT OF CONTRACT

The contractor shall not assign this contract or any part hereof without the written consent of the city. No assignment shall be valid unless it shall contain a provision that any funds to be paid to the assignee under this agreement are subject to a prior lien for services rendered or materials or supplies for the performance of the work specified in the contract in favor of all persons, firms, or corporations rendering such services or supplying such materials.

22. MAINTAINING TRAFFIC

The contractor shall provide flares, signs, barricades, traffic regulators, etc., to conform to the current *Michigan Manual of Uniform Traffic Control Devices* or as directed by the city. The contractor shall not close any road or street without the permission of the city. If any street or road is to be closed by the contractor, it shall be the responsibility of the contractor to notify the Owosso fire department when the street will be closed and again when the street is open to traffic. Traffic control devices for any detours deemed necessary by the city shall be provided by the contractor. Cost of maintaining shall be incidental to the cost of the project unless otherwise provided.

23. ORDER OF COMPLETION

The contractor shall submit, whenever requested by the city, a schedule of the work showing completion dates. The city may request that certain portions of the work be done before other portions. If so requested, the contractor shall arrange to schedule to meet the request by the owner.

24. USE OF COMPLETED PORTIONS

The city shall have the right to take possession and use any completed or partially completed portions of the work; but such taking possession and use shall not be deemed acceptance. Pending final completion and acceptance of the work, all necessary repairs and adjustments on any section of the work due to defective material, workmanship, natural causes, or other operations of the contractor, other than normal wear and tear, shall be done by and at the expense of the contractor.

25. WATER SUPPLY

The contractor shall secure an adequate water supply for use in construction and for drinking water for his employees. If the city's water is used on the work, the contractor shall make the necessary application and shall pay all costs involved. Connections, piping and fittings for conveying water shall be furnished and maintained by the contractor. Contractor shall pay for water according to the city's established rates.

26. CLEANUP

The contractor shall keep the project free from waste materials or rubbish caused by its employees or work. This includes as a minimum excess excavation or backfill material, broken or rejected materials, empty containers or general debris. The owner may require complete cleanup of certain areas as construction is completed.

27. SUPERVISION

The contractor shall have a superintendent on the job site to coordinate and expedite the various construction activities for the duration of this contract.

28. EQUAL EMPLOYMENT OPPORTUNITY AND OTHER CLAUSES

The contractor shall agree not to discriminate against any employee or applicant for employment because of age, race, religion, color, handicap, sex, physical condition, developmental disability as defined by Michigan Compiled Statutes, or national origin. This provision shall include but not be limited to the following: employment, upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training including apprenticeship. The contractor further agrees to take affirmative action to ensure equal employment opportunities for persons with disabilities. The contractor agrees to post in conspicuous places, available to employees and applicants for employment, notices setting forth the provision of the non-discrimination clause.

W-9 INFORMATION FOR LEGAL STATUS

Sole proprietor. Enter your individual name as shown on your income tax return on the “Name” line. You may enter your business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Partnership, C Corporation, or S Corporation. Enter the entity's name on the “Name” line and any business, trade, or “doing business as (DBA)” name on the “Business name/disregarded entity name” line.

Disregarded entity. Enter the owner's name on the “Name” line. The name of the entity entered on the “Name” line should never be a disregarded entity. The name on the “Name” line must be the name shown on the income tax return on which the income will be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a domestic owner, the domestic owner's name is required to be provided on the “Name” line. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on the “Business name/disregarded entity name” line. If the owner of the disregarded entity is a foreign person, you must complete an appropriate Form W-8.

Note. Check the appropriate box for the federal tax classification of the person whose name is entered on the “Name” line (Individual/sole proprietor, Partnership, C Corporation, S Corporation, Trust/estate).

Limited Liability Company (LLC). If the person identified on the “Name” line is an LLC, check the “Limited liability company” box only and enter the appropriate code for the tax classification in the space provided. If you are an LLC that is treated as a partnership for federal tax purposes, enter “P” for partnership. If you are an LLC that has filed a Form 8832 or a Form 2553 to be taxed as a corporation, enter “C” for C corporation or “S” for S corporation. If you are an LLC that is disregarded as an entity separate from its owner under Regulation section 301.7701-3 (except for employment and excise tax), do not check the LLC box unless the owner of the LLC (required to be identified on the “Name” line) is another LLC that is not disregarded for federal tax purposes. If the LLC is disregarded as an entity separate from its owner, enter the appropriate tax classification of the owner identified on the “Name” line.

Other entities. Enter your business name as shown on required federal tax documents on the “Name” line. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on the “Business name/disregarded entity name” line.

Please see attached W-9 Request for Taxpayer Identification Number and Certification form for a detailed explanation on filling out the W-9 form.

Request for Taxpayer Identification Number and Certification

Give Form to the
requester. Do not
send to the IRS.

► Go to www.irs.gov/FormW9 for instructions and the latest information.

Print or type. See Specific Instructions on page 3.	1 Name (as shown on your income tax return). Name is required on this line; do not leave this line blank.	
	2 Business name/disregarded entity name, if different from above	
	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes. <input type="checkbox"/> Individual/sole proprietor or single-member LLC <input type="checkbox"/> Limited liability company. Enter the tax classification (C=C corporation, S=S corporation, P=Partnership) ► _____ Note: Check the appropriate box in the line above for the tax classification of the single-member owner. Do not check LLC if the LLC is classified as a single-member LLC that is disregarded from the owner unless the owner of the LLC is another LLC that is not disregarded from the owner for U.S. federal tax purposes. Otherwise, a single-member LLC that is disregarded from the owner should check the appropriate box for the tax classification of its owner. <input type="checkbox"/> Other (see instructions) ► _____	4 Exemptions (codes apply only to certain entities, not individuals; see instructions on page 3): Exempt payee code (if any) _____ Exemption from FATCA reporting code (if any) _____ <i>(Applies to accounts maintained outside the U.S.)</i>
	5 Address (number, street, and apt. or suite no.) See instructions.	Requester's name and address (optional)
	6 City, state, and ZIP code	
	7 List account number(s) here (optional)	

Part I Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. The TIN provided must match the name given on line 1 to avoid backup withholding. For individuals, this is generally your social security number (SSN). However, for a resident alien, sole proprietor, or disregarded entity, see the instructions for Part I, later. For other entities, it is your employer identification number (EIN). If you do not have a number, see *How to get a TIN*, later.

Note: If the account is in more than one name, see the instructions for line 1. Also see *What Name and Number To Give the Requester* for guidelines on whose number to enter.

Social security number									
				-				-	
or									
Employer identification number									
				-					

Part II Certification

Under penalties of perjury, I certify that:

1. The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and
2. I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (IRS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and
3. I am a U.S. citizen or other U.S. person (defined below); and
4. The FATCA code(s) entered on this form (if any) indicating that I am exempt from FATCA reporting is correct.

Certification instructions. You must cross out item 2 above if you have been notified by the IRS that you are currently subject to backup withholding because you have failed to report all interest and dividends on your tax return. For real estate transactions, item 2 does not apply. For mortgage interest paid, acquisition or abandonment of secured property, cancellation of debt, contributions to an individual retirement arrangement (IRA), and generally, payments other than interest and dividends, you are not required to sign the certification, but you must provide your correct TIN. See the instructions for Part II, later.

Sign Here	Signature of U.S. person ►	Date ►
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General Instructions

Section references are to the Internal Revenue Code unless otherwise noted.

Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted after they were published, go to www.irs.gov/FormW9.

Purpose of Form

An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption taxpayer identification number (ATIN), or employer identification number (EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information returns include, but are not limited to, the following.

- Form 1099-INT (interest earned or paid)

- Form 1099-DIV (dividends, including those from stocks or mutual funds)
- Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)
- Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)
- Form 1099-S (proceeds from real estate transactions)
- Form 1099-K (merchant card and third party network transactions)
- Form 1098 (home mortgage interest), 1098-E (student loan interest), 1098-T (tuition)
- Form 1099-C (canceled debt)
- Form 1099-A (acquisition or abandonment of secured property)

Use Form W-9 only if you are a U.S. person (including a resident alien), to provide your correct TIN.

If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.

By signing the filled-out form, you:

1. Certify that the TIN you are giving is correct (or you are waiting for a number to be issued),
2. Certify that you are not subject to backup withholding, or
3. Claim exemption from backup withholding if you are a U.S. exempt payee. If applicable, you are also certifying that as a U.S. person, your allocable share of any partnership income from a U.S. trade or business is not subject to the withholding tax on foreign partners' share of effectively connected income, and
4. Certify that FATCA code(s) entered on this form (if any) indicating that you are exempt from the FATCA reporting, is correct. See *What is FATCA reporting*, later, for further information.

Note: If you are a U.S. person and a requester gives you a form other than Form W-9 to request your TIN, you must use the requester's form if it is substantially similar to this Form W-9.

Definition of a U.S. person. For federal tax purposes, you are considered a U.S. person if you are:

- An individual who is a U.S. citizen or U.S. resident alien;
- A partnership, corporation, company, or association created or organized in the United States or under the laws of the United States;
- An estate (other than a foreign estate); or
- A domestic trust (as defined in Regulations section 301.7701-7).

Special rules for partnerships. Partnerships that conduct a trade or business in the United States are generally required to pay a withholding tax under section 1446 on any foreign partners' share of effectively connected taxable income from such business. Further, in certain cases where a Form W-9 has not been received, the rules under section 1446 require a partnership to presume that a partner is a foreign person, and pay the section 1446 withholding tax. Therefore, if you are a U.S. person that is a partner in a partnership conducting a trade or business in the United States, provide Form W-9 to the partnership to establish your U.S. status and avoid section 1446 withholding on your share of partnership income.

In the cases below, the following person must give Form W-9 to the partnership for purposes of establishing its U.S. status and avoiding withholding on its allocable share of net income from the partnership conducting a trade or business in the United States.

- In the case of a disregarded entity with a U.S. owner, the U.S. owner of the disregarded entity and not the entity;
- In the case of a grantor trust with a U.S. grantor or other U.S. owner, generally, the U.S. grantor or other U.S. owner of the grantor trust and not the trust; and
- In the case of a U.S. trust (other than a grantor trust), the U.S. trust (other than a grantor trust) and not the beneficiaries of the trust.

Foreign person. If you are a foreign person or the U.S. branch of a foreign bank that has elected to be treated as a U.S. person, do not use Form W-9. Instead, use the appropriate Form W-8 or Form 8233 (see Pub. 515, *Withholding of Tax on Nonresident Aliens and Foreign Entities*).

Nonresident alien who becomes a resident alien. Generally, only a nonresident alien individual may use the terms of a tax treaty to reduce or eliminate U.S. tax on certain types of income. However, most tax treaties contain a provision known as a "saving clause." Exceptions specified in the saving clause may permit an exemption from tax to continue for certain types of income even after the payee has otherwise become a U.S. resident alien for tax purposes.

If you are a U.S. resident alien who is relying on an exception contained in the saving clause of a tax treaty to claim an exemption from U.S. tax on certain types of income, you must attach a statement to Form W-9 that specifies the following five items.

1. The treaty country. Generally, this must be the same treaty under which you claimed exemption from tax as a nonresident alien.
2. The treaty article addressing the income.
3. The article number (or location) in the tax treaty that contains the saving clause and its exceptions.
4. The type and amount of income that qualifies for the exemption from tax.
5. Sufficient facts to justify the exemption from tax under the terms of the treaty article.

Example. Article 20 of the U.S.-China income tax treaty allows an exemption from tax for scholarship income received by a Chinese student temporarily present in the United States. Under U.S. law, this student will become a resident alien for tax purposes if his or her stay in the United States exceeds 5 calendar years. However, paragraph 2 of the first Protocol to the U.S.-China treaty (dated April 30, 1984) allows the provisions of Article 20 to continue to apply even after the Chinese student becomes a resident alien of the United States. A Chinese student who qualifies for this exception (under paragraph 2 of the first protocol) and is relying on this exception to claim an exemption from tax on his or her scholarship or fellowship income would attach to Form W-9 a statement that includes the information described above to support that exemption.

If you are a nonresident alien or a foreign entity, give the requester the appropriate completed Form W-8 or Form 8233.

Backup Withholding

What is backup withholding? Persons making certain payments to you must under certain conditions withhold and pay to the IRS 24% of such payments. This is called "backup withholding." Payments that may be subject to backup withholding include interest, tax-exempt interest, dividends, broker and barter exchange transactions, rents, royalties, nonemployee pay, payments made in settlement of payment card and third party network transactions, and certain payments from fishing boat operators. Real estate transactions are not subject to backup withholding.

You will not be subject to backup withholding on payments you receive if you give the requester your correct TIN, make the proper certifications, and report all your taxable interest and dividends on your tax return.

Payments you receive will be subject to backup withholding if:

1. You do not furnish your TIN to the requester,
2. You do not certify your TIN when required (see the instructions for Part II for details),
3. The IRS tells the requester that you furnished an incorrect TIN,
4. The IRS tells you that you are subject to backup withholding because you did not report all your interest and dividends on your tax return (for reportable interest and dividends only), or
5. You do not certify to the requester that you are not subject to backup withholding under 4 above (for reportable interest and dividend accounts opened after 1983 only).

Certain payees and payments are exempt from backup withholding. See *Exempt payee code*, later, and the separate Instructions for the Requester of Form W-9 for more information.

Also see *Special rules for partnerships*, earlier.

What is FATCA Reporting?

The Foreign Account Tax Compliance Act (FATCA) requires a participating foreign financial institution to report all United States account holders that are specified United States persons. Certain payees are exempt from FATCA reporting. See *Exemption from FATCA reporting code*, later, and the Instructions for the Requester of Form W-9 for more information.

Updating Your Information

You must provide updated information to any person to whom you claimed to be an exempt payee if you are no longer an exempt payee and anticipate receiving reportable payments in the future from this person. For example, you may need to provide updated information if you are a C corporation that elects to be an S corporation, or if you no longer are tax exempt. In addition, you must furnish a new Form W-9 if the name or TIN changes for the account; for example, if the grantor of a grantor trust dies.

Penalties

Failure to furnish TIN. If you fail to furnish your correct TIN to a requester, you are subject to a penalty of \$50 for each such failure unless your failure is due to reasonable cause and not to willful neglect.

Civil penalty for false information with respect to withholding. If you make a false statement with no reasonable basis that results in no backup withholding, you are subject to a \$500 penalty.

Criminal penalty for falsifying information. Willfully falsifying certifications or affirmations may subject you to criminal penalties including fines and/or imprisonment.

Misuse of TINs. If the requester discloses or uses TINs in violation of federal law, the requester may be subject to civil and criminal penalties.

Specific Instructions

Line 1

You must enter one of the following on this line; **do not** leave this line blank. The name should match the name on your tax return.

If this Form W-9 is for a joint account (other than an account maintained by a foreign financial institution (FFI)), list first, and then circle, the name of the person or entity whose number you entered in Part I of Form W-9. If you are providing Form W-9 to an FFI to document a joint account, each holder of the account that is a U.S. person must provide a Form W-9.

a. **Individual.** Generally, enter the name shown on your tax return. If you have changed your last name without informing the Social Security Administration (SSA) of the name change, enter your first name, the last name as shown on your social security card, and your new last name.

Note: ITIN applicant: Enter your individual name as it was entered on your Form W-7 application, line 1a. This should also be the same as the name you entered on the Form 1040/1040A/1040EZ you filed with your application.

b. **Sole proprietor or single-member LLC.** Enter your individual name as shown on your 1040/1040A/1040EZ on line 1. You may enter your business, trade, or "doing business as" (DBA) name on line 2.

c. **Partnership, LLC that is not a single-member LLC, C corporation, or S corporation.** Enter the entity's name as shown on the entity's tax return on line 1 and any business, trade, or DBA name on line 2.

d. **Other entities.** Enter your name as shown on required U.S. federal tax documents on line 1. This name should match the name shown on the charter or other legal document creating the entity. You may enter any business, trade, or DBA name on line 2.

e. **Disregarded entity.** For U.S. federal tax purposes, an entity that is disregarded as an entity separate from its owner is treated as a "disregarded entity." See Regulations section 301.7701-2(c)(2)(iii). Enter the owner's name on line 1. The name of the entity entered on line 1 should never be a disregarded entity. The name on line 1 should be the name shown on the income tax return on which the income should be reported. For example, if a foreign LLC that is treated as a disregarded entity for U.S. federal tax purposes has a single owner that is a U.S. person, the U.S. owner's name is required to be provided on line 1. If the direct owner of the entity is also a disregarded entity, enter the first owner that is not disregarded for federal tax purposes. Enter the disregarded entity's name on line 2, "Business name/disregarded entity name." If the owner of the disregarded entity is a foreign person, the owner must complete an appropriate Form W-8 instead of a Form W-9. This is the case even if the foreign person has a U.S. TIN.

Line 2

If you have a business name, trade name, DBA name, or disregarded entity name, you may enter it on line 2.

Line 3

Check the appropriate box on line 3 for the U.S. federal tax classification of the person whose name is entered on line 1. Check only one box on line 3.

IF the entity/person on line 1 is a(n) . . .	THEN check the box for . . .
• Corporation	Corporation
• Individual • Sole proprietorship, or • Single-member limited liability company (LLC) owned by an individual and disregarded for U.S. federal tax purposes.	Individual/sole proprietor or single-member LLC
• LLC treated as a partnership for U.S. federal tax purposes, • LLC that has filed Form 8832 or 2553 to be taxed as a corporation, or • LLC that is disregarded as an entity separate from its owner but the owner is another LLC that is not disregarded for U.S. federal tax purposes.	Limited liability company and enter the appropriate tax classification. (P= Partnership; C= C corporation; or S= S corporation)
• Partnership	Partnership
• Trust/estate	Trust/estate

Line 4, Exemptions

If you are exempt from backup withholding and/or FATCA reporting, enter in the appropriate space on line 4 any code(s) that may apply to you.

Exempt payee code.

- Generally, individuals (including sole proprietors) are not exempt from backup withholding.
- Except as provided below, corporations are exempt from backup withholding for certain payments, including interest and dividends.
- Corporations are not exempt from backup withholding for payments made in settlement of payment card or third party network transactions.
- Corporations are not exempt from backup withholding with respect to attorneys' fees or gross proceeds paid to attorneys, and corporations that provide medical or health care services are not exempt with respect to payments reportable on Form 1099-MISC.

The following codes identify payees that are exempt from backup withholding. Enter the appropriate code in the space in line 4.

- 1—An organization exempt from tax under section 501(a), any IRA, or a custodial account under section 403(b)(7) if the account satisfies the requirements of section 401(f)(2)
- 2—The United States or any of its agencies or instrumentalities
- 3—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities
- 4—A foreign government or any of its political subdivisions, agencies, or instrumentalities
- 5—A corporation
- 6—A dealer in securities or commodities required to register in the United States, the District of Columbia, or a U.S. commonwealth or possession
- 7—A futures commission merchant registered with the Commodity Futures Trading Commission
- 8—A real estate investment trust
- 9—An entity registered at all times during the tax year under the Investment Company Act of 1940
- 10—A common trust fund operated by a bank under section 584(a)
- 11—A financial institution
- 12—A middleman known in the investment community as a nominee or custodian
- 13—A trust exempt from tax under section 664 or described in section 4947

The following chart shows types of payments that may be exempt from backup withholding. The chart applies to the exempt payees listed above, 1 through 13.

IF the payment is for . . .	THEN the payment is exempt for . . .
Interest and dividend payments	All exempt payees except for 7
Broker transactions	Exempt payees 1 through 4 and 6 through 11 and all C corporations. S corporations must not enter an exempt payee code because they are exempt only for sales of noncovered securities acquired prior to 2012.
Barter exchange transactions and patronage dividends	Exempt payees 1 through 4
Payments over \$600 required to be reported and direct sales over \$5,000 ¹	Generally, exempt payees 1 through 5 ²
Payments made in settlement of payment card or third party network transactions	Exempt payees 1 through 4

¹ See Form 1099-MISC, Miscellaneous Income, and its instructions.

² However, the following payments made to a corporation and reportable on Form 1099-MISC are not exempt from backup withholding: medical and health care payments, attorneys' fees, gross proceeds paid to an attorney reportable under section 6045(f), and payments for services paid by a federal executive agency.

Exemption from FATCA reporting code. The following codes identify payees that are exempt from reporting under FATCA. These codes apply to persons submitting this form for accounts maintained outside of the United States by certain foreign financial institutions. Therefore, if you are only submitting this form for an account you hold in the United States, you may leave this field blank. Consult with the person requesting this form if you are uncertain if the financial institution is subject to these requirements. A requester may indicate that a code is not required by providing you with a Form W-9 with "Not Applicable" (or any similar indication) written or printed on the line for a FATCA exemption code.

A—An organization exempt from tax under section 501(a) or any individual retirement plan as defined in section 7701(a)(37)

B—The United States or any of its agencies or instrumentalities

C—A state, the District of Columbia, a U.S. commonwealth or possession, or any of their political subdivisions or instrumentalities

D—A corporation the stock of which is regularly traded on one or more established securities markets, as described in Regulations section 1.1472-1(c)(1)(i)

E—A corporation that is a member of the same expanded affiliated group as a corporation described in Regulations section 1.1472-1(c)(1)(i)

F—A dealer in securities, commodities, or derivative financial instruments (including notional principal contracts, futures, forwards, and options) that is registered as such under the laws of the United States or any state

G—A real estate investment trust

H—A regulated investment company as defined in section 851 or an entity registered at all times during the tax year under the Investment Company Act of 1940

I—A common trust fund as defined in section 584(a)

J—A bank as defined in section 581

K—A broker

L—A trust exempt from tax under section 664 or described in section 4947(a)(1)

M—A tax exempt trust under a section 403(b) plan or section 457(g) plan

Note: You may wish to consult with the financial institution requesting this form to determine whether the FATCA code and/or exempt payee code should be completed.

Line 5

Enter your address (number, street, and apartment or suite number). This is where the requester of this Form W-9 will mail your information returns. If this address differs from the one the requester already has on file, write NEW at the top. If a new address is provided, there is still a chance the old address will be used until the payor changes your address in their records.

Line 6

Enter your city, state, and ZIP code.

Part I. Taxpayer Identification Number (TIN)

Enter your TIN in the appropriate box. If you are a resident alien and you do not have and are not eligible to get an SSN, your TIN is your IRS individual taxpayer identification number (ITIN). Enter it in the social security number box. If you do not have an ITIN, see *How to get a TIN* below.

If you are a sole proprietor and you have an EIN, you may enter either your SSN or EIN.

If you are a single-member LLC that is disregarded as an entity separate from its owner, enter the owner's SSN (or EIN, if the owner has one). Do not enter the disregarded entity's EIN. If the LLC is classified as a corporation or partnership, enter the entity's EIN.

Note: See *What Name and Number To Give the Requester*, later, for further clarification of name and TIN combinations.

How to get a TIN. If you do not have a TIN, apply for one immediately. To apply for an SSN, get Form SS-5, Application for a Social Security Card, from your local SSA office or get this form online at www.SSA.gov. You may also get this form by calling 1-800-772-1213. Use Form W-7, Application for IRS Individual Taxpayer Identification Number, to apply for an ITIN, or Form SS-4, Application for Employer Identification Number, to apply for an EIN. You can apply for an EIN online by accessing the IRS website at www.irs.gov/Businesses and clicking on Employer Identification Number (EIN) under Starting a Business. Go to www.irs.gov/Forms to view, download, or print Form W-7 and/or Form SS-4. Or, you can go to www.irs.gov/OrderForms to place an order and have Form W-7 and/or SS-4 mailed to you within 10 business days.

If you are asked to complete Form W-9 but do not have a TIN, apply for a TIN and write "Applied For" in the space for the TIN, sign and date the form, and give it to the requester. For interest and dividend payments, and certain payments made with respect to readily tradable instruments, generally you will have 60 days to get a TIN and give it to the requester before you are subject to backup withholding on payments. The 60-day rule does not apply to other types of payments. You will be subject to backup withholding on all such payments until you provide your TIN to the requester.

Note: Entering "Applied For" means that you have already applied for a TIN or that you intend to apply for one soon.

Caution: A disregarded U.S. entity that has a foreign owner must use the appropriate Form W-8.

Part II. Certification

To establish to the withholding agent that you are a U.S. person, or resident alien, sign Form W-9. You may be requested to sign by the withholding agent even if item 1, 4, or 5 below indicates otherwise.

For a joint account, only the person whose TIN is shown in Part I should sign (when required). In the case of a disregarded entity, the person identified on line 1 must sign. Exempt payees, see *Exempt payee code*, earlier.

Signature requirements. Complete the certification as indicated in items 1 through 5 below.

1. Interest, dividend, and barter exchange accounts opened before 1984 and broker accounts considered active during 1983.

You must give your correct TIN, but you do not have to sign the certification.

2. Interest, dividend, broker, and barter exchange accounts opened after 1983 and broker accounts considered inactive during 1983. You must sign the certification or backup withholding will apply. If you are subject to backup withholding and you are merely providing your correct TIN to the requester, you must cross out item 2 in the certification before signing the form.

3. Real estate transactions. You must sign the certification. You may cross out item 2 of the certification.

4. Other payments. You must give your correct TIN, but you do not have to sign the certification unless you have been notified that you have previously given an incorrect TIN. "Other payments" include payments made in the course of the requester's trade or business for rents, royalties, goods (other than bills for merchandise), medical and health care services (including payments to corporations), payments to a nonemployee for services, payments made in settlement of payment card and third party network transactions, payments to certain fishing boat crew members and fishermen, and gross proceeds paid to attorneys (including payments to corporations).

5. Mortgage interest paid by you, acquisition or abandonment of secured property, cancellation of debt, qualified tuition program payments (under section 529), ABLE accounts (under section 529A), IRA, Coverdell ESA, Archer MSA or HSA contributions or distributions, and pension distributions. You must give your correct TIN, but you do not have to sign the certification.

What Name and Number To Give the Requester

For this type of account:	Give name and SSN of:
1. Individual	The individual
2. Two or more individuals (joint account) other than an account maintained by an FFI	The actual owner of the account or, if combined funds, the first individual on the account ¹
3. Two or more U.S. persons (joint account maintained by an FFI)	Each holder of the account
4. Custodial account of a minor (Uniform Gift to Minors Act)	The minor ²
5. a. The usual revocable savings trust (grantor is also trustee)	The grantor-trustee ¹
b. So-called trust account that is not a legal or valid trust under state law	The actual owner ¹
6. Sole proprietorship or disregarded entity owned by an individual	The owner ³
7. Grantor trust filing under Optional Form 1099 Filing Method 1 (see Regulations section 1.671-4(b)(2)(i)(A))	The grantor*
For this type of account:	Give name and EIN of:
8. Disregarded entity not owned by an individual	The owner
9. A valid trust, estate, or pension trust	Legal entity ⁴
10. Corporation or LLC electing corporate status on Form 8832 or Form 2553	The corporation
11. Association, club, religious, charitable, educational, or other tax-exempt organization	The organization
12. Partnership or multi-member LLC	The partnership
13. A broker or registered nominee	The broker or nominee

For this type of account:	Give name and EIN of:
14. Account with the Department of Agriculture in the name of a public entity (such as a state or local government, school district, or prison) that receives agricultural program payments	The public entity
15. Grantor trust filing under the Form 1041 Filing Method or the Optional Form 1099 Filing Method 2 (see Regulations section 1.671-4(b)(2)(i)(B))	The trust

¹ List first and circle the name of the person whose number you furnish. If only one person on a joint account has an SSN, that person's number must be furnished.

² Circle the minor's name and furnish the minor's SSN.

³ You must show your individual name and you may also enter your business or DBA name on the "Business name/disregarded entity" name line. You may use either your SSN or EIN (if you have one), but the IRS encourages you to use your SSN.

⁴ List first and circle the name of the trust, estate, or pension trust. (Do not furnish the TIN of the personal representative or trustee unless the legal entity itself is not designated in the account title.) Also see *Special rules for partnerships*, earlier.

***Note:** The grantor also must provide a Form W-9 to trustee of trust.

Note: If no name is circled when more than one name is listed, the number will be considered to be that of the first name listed.

Secure Your Tax Records From Identity Theft

Identity theft occurs when someone uses your personal information such as your name, SSN, or other identifying information, without your permission, to commit fraud or other crimes. An identity thief may use your SSN to get a job or may file a tax return using your SSN to receive a refund.

To reduce your risk:

- Protect your SSN,
- Ensure your employer is protecting your SSN, and
- Be careful when choosing a tax preparer.

If your tax records are affected by identity theft and you receive a notice from the IRS, respond right away to the name and phone number printed on the IRS notice or letter.

If your tax records are not currently affected by identity theft but you think you are at risk due to a lost or stolen purse or wallet, questionable credit card activity or credit report, contact the IRS Identity Theft Hotline at 1-800-908-4490 or submit Form 14039.

For more information, see Pub. 5027, Identity Theft Information for Taxpayers.

Victims of identity theft who are experiencing economic harm or a systemic problem, or are seeking help in resolving tax problems that have not been resolved through normal channels, may be eligible for Taxpayer Advocate Service (TAS) assistance. You can reach TAS by calling the TAS toll-free case intake line at 1-877-777-4778 or TTY/TDD 1-800-829-4059.

Protect yourself from suspicious emails or phishing schemes.

Phishing is the creation and use of email and websites designed to mimic legitimate business emails and websites. The most common act is sending an email to a user falsely claiming to be an established legitimate enterprise in an attempt to scam the user into surrendering private information that will be used for identity theft.

The IRS does not initiate contacts with taxpayers via emails. Also, the IRS does not request personal detailed information through email or ask taxpayers for the PIN numbers, passwords, or similar secret access information for their credit card, bank, or other financial accounts.

If you receive an unsolicited email claiming to be from the IRS, forward this message to phishing@irs.gov. You may also report misuse of the IRS name, logo, or other IRS property to the Treasury Inspector General for Tax Administration (TIGTA) at 1-800-366-4484. You can forward suspicious emails to the Federal Trade Commission at spam@uce.gov or report them at www.ftc.gov/complaint. You can contact the FTC at www.ftc.gov/idtheft or 877-IDTHEFT (877-438-4338). If you have been the victim of identity theft, see www.IdentityTheft.gov and Pub. 5027.

Visit www.irs.gov/IdentityTheft to learn more about identity theft and how to reduce your risk.

Privacy Act Notice

Section 6109 of the Internal Revenue Code requires you to provide your correct TIN to persons (including federal agencies) who are required to file information returns with the IRS to report interest, dividends, or certain other income paid to you; mortgage interest you paid; the acquisition or abandonment of secured property; the cancellation of debt; or contributions you made to an IRA, Archer MSA, or HSA. The person collecting this form uses the information on the form to file information returns with the IRS, reporting the above information. Routine uses of this information include giving it to the Department of Justice for civil and criminal litigation and to cities, states, the District of Columbia, and U.S. commonwealths and possessions for use in administering their laws. The information also may be disclosed to other countries under a treaty, to federal and state agencies to enforce civil and criminal laws, or to federal law enforcement and intelligence agencies to combat terrorism. You must provide your TIN whether or not you are required to file a tax return. Under section 3406, payers must generally withhold a percentage of taxable interest, dividend, and certain other payments to a payee who does not give a TIN to the payer. Certain penalties may also apply for providing false or fraudulent information.

MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Certification Regarding Debarment, Suspension, and Other Responsibility Matters

The prime contractor must provide a completed *Certification Regarding Debarment, Suspension, and Other Responsibility Matters Form* with its bid or proposal package to the owner.

The prospective participant certifies, to the best of its knowledge and belief, that it and its principals:

- (1) Are not presently debarred, suspended, proposed for debarment, declared ineligible, or voluntarily excluded from participation in transactions under federal nonprocurement programs by any federal department or agency;
- (2) Have not, within the three-year period preceding the proposal, had one or more public transactions (federal, state, or local) terminated for cause or default; and
- (3) Are not presently indicted or otherwise criminally or civilly charged by a government entity (federal, state, or local) and have not, within the three-year period preceding the proposal, been convicted of or had a civil judgment rendered against it:
 - (a) For the commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction (federal, state, or local) or a procurement contract under such a public transaction;
 - (b) For the violation of federal or state antitrust statutes, including those proscribing price fixing between competitors, the allocation of customers between competitors, or bid rigging; or
 - (c) For the commission of embezzlement, theft, forgery, bribery, falsification, or destruction of records, making false statements, or receiving stolen property.

I understand that a false statement on this certification may be grounds for the rejection of this proposal or the termination of the award. In addition, under 18 U.S.C. §1001, a false statement may result in a fine of up to \$10,000 or imprisonment for up to five years, or both.

Name and Title of Authorized Representative

Name of Participant Agency or Firm

Signature of Authorized Representative

Date

☐ I am unable to certify to the above statement. Attached is my explanation.

IRAN LINKED BUSINESS CERTIFICATION

Pursuant to Michigan Public Act 517 of 2012, any Bidder that submits a bid on a request for proposal with City of Owosso shall certify that Bidder is not an Iran linked business. An Iran linked business is not eligible to submit a bid on a request for proposal with City of Owosso. See attached definitions regarding this certification.

The undersigned Bidder does hereby certify, pursuant to Michigan Public Act 517 of 2012, that:

Bidder is not a person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers, or products used to construct or maintain pipelines used to transport oil or liquefied natural gas, for the energy sector of Iran, or

Bidder is not a financial institution that extends credit to another person if that person will use the credit to engage in investment activities in the energy sector of Iran.

Date: _____

By: _____

Its: _____

Subscribed and sworn to before me, a Notary Public on this ____ day of _____,

Notary Public _____

_____ County, Michigan

My Commission Expires: _____

IRAN LINKED BUSINESS
DEFINITIONS

- (A) "Energy sector of Iran" means activities to develop petroleum or natural gas resources or nuclear power in Iran.
- (B) "Investment" means 1 or more of the following:
 - i. A commitment or contribution of funds or property.
 - ii. A loan or other extension of credit.
 - iii. The entry into or renewal of a contract for goods or services.
- (C) "Investment activity" means 1 or more of the following:
 - i. A person who has an investment of \$20,000,000.00 or more in the energy sector of Iran.
 - ii. A financial institution that exceeds \$20,000,000.00 or more in credit to another person, for 45 days or more, if that person will use the credit for investment in the energy sector of Iran.
- (D) "Iran" means any agency or instrumentality of Iran.
- (E) "Iran linked business" means either of the following:
 - i. A person engaging in investment activities in the energy sector of Iran, including a person that provides oil or liquefied natural gas tankers or products used to construct or maintain pipelines used to transport oil or liquefied natural gas for the energy sector of Iran.
 - ii. A financial institution that extends credit to another person, if that person will use the credit to engage in investment activities in the energy sector of Iran.
- (F) "Person" means any of the following:
 - i. An individual, corporation, company, limited liability company, business association, partnership, society, trust, or any other nongovernmental entity, organization, or group.
 - ii. Any governmental entity or instrumentality of a government, including a multilateral development institution, as defined in section 1701(c) (3) of the international financial institutional act, 22 USC 262r(c) (3).
 - iii. Any successor, subunit, parent company, or subsidiary of, or company under common ownership or control with, any entity described in subparagraph (i) or (ii).
- (G) "Public entity" means this state or an agency or authority of this state, school district, community college district, intermediate school district, city, village, township, county, public authority, or public airport authority.

Davis-Bacon and Related Acts/Prevailing Federal Wages

P.L. 111-88 requires compliance with the Davis Bacon Act and adherence to the current U.S. Department of Labor Wage Decision. Attention is called to the fact that not less than the minimum salaries and wages as set forth in the Contract Documents (see Wage Decision included herein) must be paid on this project. The Wage Decision, including modifications, must be posted by the Contractor on the job site. The "Contracting Agency" or "Contracting Officer" for Davis-Bacon Wage Decision posters on jobsites is the loan applicant/bond issuer. A copy of the Labor Standards Provisions for Federally Assisted Projects is included and is hereby a part of this contract.

Superseded General Decision Number: MI20240044

State: Michigan

Construction Type: Heavy

Counties: Arenac, Branch, Gladwin, Hillsdale, Huron, Lenawee, Mecosta, Midland, Osceola, Shiawassee and Tuscola Counties in Michigan.

Heavy, Includes Water, Sewer Lines and Excavation (Excludes Hazardous Waste Removal; Coal, Oil, Gas, Duct and other similar Pipeline Construction)

Note: Contracts subject to the Davis-Bacon Act are generally required to pay at least the applicable minimum wage rate required under Executive Order 14026 or Executive Order 13658. Please note that these Executive Orders apply to covered contracts entered into by the federal government that are subject to the Davis-Bacon Act itself, but do not apply to contracts subject only to the Davis-Bacon Related Acts, including those set forth at 29 CFR 5.1(a)(1).

If the contract is entered into on or after January 30, 2022, or the contract is renewed or extended (e.g., an option is exercised) on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 14026 generally applies to the contract.. The contractor must pay all covered workers at least \$17.75 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on the contract in 2025.
If the contract was awarded on or between January 1, 2015 and January 29, 2022, and the contract is not renewed or extended on or after January 30, 2022:	<ul style="list-style-type: none">. Executive Order 13658 generally applies to the contract.. The contractor must pay all covered workers at least \$13.30 per hour (or the applicable wage rate listed on this wage determination, if it is higher) for all hours spent performing on that contract in 2025.

The applicable Executive Order minimum wage rate will be adjusted annually. If this contract is covered by one of the Executive Orders and a classification considered necessary for performance of work on the contract does not appear on this wage determination, the contractor must still submit a conformance request.

Additional information on contractor requirements and worker protections under the Executive Orders is available at <http://www.dol.gov/whd/govcontracts>.

Modification Number Publication Date
0 01/03/2025

CARP0100-005 06/01/2023

MECOSTA & OSCEOLA COUNTIES

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 27.63	20.93

CARP0525-008 06/01/2023		

BRANCH & HILLSDALE COUNTIES

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 28.29	21.42

CARP0706-014 06/01/2024		

ARENAC, GLADWIN, HURON, MIDLAND & TUSCOLA COUNTIES

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 33.11	23.64

CARP0706-018 06/01/2024		

SHIAWASSEE COUNTY

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 33.71	23.19

CARP1004-013 06/01/2024		

LENAWEE COUNTY

	Rates	Fringes
CARPENTER (Form Work Only).....	\$ 27.73	21.06

ELEC0008-012 05/25/2024		

HILLSDALE & LENAWE COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 48.40	1.5%+17.06

ELEC0058-008 06/28/2024		

HURON COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 51.32	28.54

ELEC0275-009 06/01/2024		

MECOSTA COUNTY

Rates	Fringes
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ELECTRICIAN.....	\$ 36.52	41%+10.18
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ELEC0275-014 06/01/2024

OSCEOLA COUNTY (Townships of Richmond, Hersey, Evart & Orient)

	Rates	Fringes
ELECTRICIAN.....	\$ 36.52	41%+10.18

ELEC0445-008 06/01/2024

BRANCH COUNTY

	Rates	Fringes
ELECTRICIAN.....	\$ 38.96	25.14

ELEC0498-012 06/01/2024

OSCEOLA COUNTY (does not include the townships of Evart, Hersey, Orient and Richmond)

	Rates	Fringes
ELECTRICIAN.....	\$ 36.62	36.6%+9.65

ELEC0557-008 06/01/2023

MIDLAND (Townships of Ingersoll, Jasper, Mount Haley and Porter) & TUSCOLA (Townships of Almer, Arbela, Columbia, Dayton, Denmark, Elkland, Ellington, Elmwood, Fairgrove, Fremont, Gilford, Indianfields, Juniata, Kingston, Koylon, Novesta, Tuscola, Vassar, Watertown and Wells) COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 37.00	23.13

ELEC0665-018 05/31/2024

SHIAWASSEE COUNTY (Townships of Perry & Woodhull)

	Rates	Fringes
ELECTRICIAN.....	\$ 42.98	5.5%+27.39

ELEC0692-017 06/01/2023

ARENAC & GLADWIN COUNTIES

	Rates	Fringes
ELECTRICIAN.....	\$ 36.00	38.03%+9.93

ELEC0692-018 06/01/2022

MIDLAND (All townships except Mount Haley, Jasper, Porter & Ingersoll) & TUSCOLA (Townships of Wisner & Akron) COUNTIES

	Rates	Fringes
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ELECTRICIAN.....\$ 35.31 38.03%+9.25

ELEC0948-008 11/01/2023

SHIAWASSEE (All townships except Perry & Woodhull) & TUSCOLA
(Township of Millington) COUNTIES

	Rates	Fringes
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ELECTRICIAN.....	\$ 41.66	10.23+41.26%
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ENGI0325-021 09/01/2024

POWER EQUIPMENT OPERATORS: Underground Construction (Including
Sewer)

	Rates	Fringes
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POWER EQUIPMENT OPERATOR

GROUP 1.....	\$ 43.48	25.25
GROUP 2.....	\$ 38.75	25.25
GROUP 3.....	\$ 38.02	25.25
GROUP 4.....	\$ 37.45	25.25

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Backhoe/ Excavator, Boring Machine, Bulldozer,
Crane, Scraper, Loader, Trencher (over 8 ft. digging
capacity)

GROUP 2: Trencher (8-ft digging capacity and smaller)

GROUP 3: Boom Truck (non-swinging, non- powered type boom)

GROUP 4: Broom/ Sweeper, Fork Truck, Tractor

ENGI0326-014 06/01/2024

EXCLUDES UNDERGROUND CONSTRUCTION

AREA 1: BRANCH, HILLSDALE, MECOSTA & OSCEOLA COUNTIES

AREA 2: ARENAC, GLADWIN, HURON, MIDLAND, SHIAWASSEE & TUSCOLA
COUNTIES

	Rates	Fringes
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Operating Engineer:

AREA 1

Group 1.....	\$ 47.28	25.25
Group 2.....	\$ 43.93	25.25
Group 3.....	\$ 41.28	25.25
Group 4.....	\$ 39.57	25.25
Group 5.....	\$ 31.23	25.25

Operating Engineers:

AREA 2

Group 1.....	\$ 47.28	25.25
Group 2.....	\$ 43.93	25.25
Group 3.....	\$ 41.28	25.25
Group 4.....	\$ 30.57	25.25

Group 5.....\$ 31.23 25.25

FOOTNOTES:

Crane operator with main boom and jib 300' or longer: \$1.50 per hour above the group 1 rate.
Crane operator with main boom and jib 400' or longer: \$3.00 per hour above the group 1 rate.

PAID HOLIDAYS: New Year's Day, Memorial Day, Fourth of July, Labor Day, Thanksgiving Day and Christmas Day.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Crane operator with main boom and jib 400', 300', or 220' or longer.

GROUP 2: Crane operator with main boom and jib 140' or longer, tower crane, gantry crane, whirley derrick

GROUP 3: Backhoe/Excavator; Bulldozer; Compactor; Crane; Scraper; Loader

GROUP 4: Boom truck (non-swinging)

GROUP 5: Oiler

ENGI0326-024 06/01/2022

EXCLUDES UNDERGROUND CONSTRUCTION

LENAWEE COUNTY

	Rates	Fringes
OPERATOR: Power Equipment		
GROUP 1.....	\$ 46.44	24.95
GROUP 2.....	\$ 44.94	24.95
GROUP 3.....	\$ 43.44	24.95
GROUP 4.....	\$ 43.14	24.95
GROUP 5.....	\$ 42.32	24.95
GROUP 6.....	\$ 41.46	24.95
GROUP 7.....	\$ 40.49	24.95
GROUP 8.....	\$ 38.78	24.95

FOOTNOTES: Tower cranes: to be paid the crane operator rate determined by the combined length of the mast and the boom.

POWER EQUIPMENT OPERATOR CLASSIFICATIONS

GROUP 1: Crane with boom & jib or leads 400' or longer

GROUP 2: Crane with boom & jib or leads 300' or longer

GROUP 3: Crane with boom & jib or leads 220' or longer

GROUP 4: Crane with boom & jib or leads 140' or longer

GROUP 5: Crane with boom & jib or leads 120' or longer

GROUP 6: Regular crane operator

GROUP 7: Backhoe/Excavator, Bulldozer, Compactor, Scraper, Loader

GROUP 8: Oiler

IRON0025-007 06/01/2024

ARENAC, GLADWIN, HURON, MIDLAND, SHIAWASSEE & TUSCOLA COUNTIES

	Rates	Fringes
IRONWORKER		
Reinforcing.....	\$ 33.43	37.15
Structural.....	\$ 35.55	35.83

IRON0025-016 06/01/2024

BRANCH, HILLSDALE, MECOSTA & OSCEOLA COUNTIES

	Rates	Fringes
IRONWORKER (REINFORCING).....	\$ 35.55	33.14
IRONWORKER (STRUCTURAL).....	\$ 35.55	33.14

IRON0055-011 07/01/2024

LENAWEE COUNTY

	Rates	Fringes
IRONWORKER, STRUCTURAL AND REINFORCING.....	\$ 35.50	29.20

LAB00334-008 09/01/2022

SCOPE OF WORK:

OPEN CUT CONSTRUCTION: Excavation of earth and sewer,
utilities, and improvements, including underground
piping/conduit (including inspection, cleaning, restoration,
and relining)

ARENAC, BRANCH, GLADWIN, HURON, MECOSTA, MIDLAND, OSCEOLA,
TUSCOLA

	Rates	Fringes
LABORER		
(1) Common or General.....	\$ 22.42	12.95
(4) Grade Checker.....	\$ 22.73	12.95

LAB00334-019 09/01/2022

SCOPE OF WORK:

OPEN CUT CONSTRUCTION: Excavation of earth and sewer,
utilities, and improvements, including underground
piping/conduit (including inspection, cleaning, restoration,
and relining)

HILLSDALE, LENAWE, SHIAWASSEE

	Rates	Fringes
LABORER		

(1) Common or General.....\$ 23.39	13.15
(4) Grade Checker.....\$ 23.70	13.15

LAB00355-007 06/01/2022

EXCLUDES OPEN CUT CONSTRUCTION

BRANCH COUNTY

Rates	Fringes
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LABORER	
Common or General.....\$ 26.70	12.95

LAB00355-015 06/01/2022

EXCLUDES OPEN CUT CONSTRUCTION

MECOSTA & OSCEOLA COUNTIES

Rates	Fringes
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LABORER	
Common or General.....\$ 26.70	12.95

LAB00499-014 06/01/2024

EXCLUDES OPEN CUT CONSTRUCTION

HILLSDALE & LENAWEЕ COUNTIES

Rates	Fringes
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LABORER	
Common or General.....\$ 31.87	14.45

LAB01075-011 06/01/2024

EXCLUDES OPEN CUT CONSTRUCTION

SHIAWASSEE COUNTY

Rates	Fringes
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LABORER	
Common or General.....\$ 28.41	15.70

LAB01098-022 07/01/2024

EXCLUDES OPEN CUT CONSTRUCTION

ARENAC, GLADWIN, HURON, MIDLAND & TUSCOLA COUNTIES

Rates	Fringes
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LABORER	
Common or General.....\$ 26.20	13.45

PLAS0016-009 04/01/2014

MECOSTA & OSCEOLA COUNTIES

Rates	Fringes
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CEMENT MASON/CONCRETE FINISHER...\$ 22.02	12.38
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PLAS0016-021 04/01/2014

SHIAWASSEE COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 25.58	12.88

PLAS0016-023 04/01/2014

BRANCH COUNTY

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 24.63	12.88

PLAS0016-031 04/01/2014

ARENAC, GLADWIN, HURON, MIDLAND & TUSCOLA COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 25.47	12.38

PLAS0886-013 08/01/2011

HILLSDALE & LENAWEЕ COUNTIES

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 27.19	16.00

PLUM0085-017 05/04/2023

ARENAC, GLADWIN, HURON (West of M-53), MIDLAND & TUSCOLA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 43.50	22.10

PLUM0098-008 06/01/2019

HURON COUNTY (East of M-53)

	Rates	Fringes
PLUMBER.....	\$ 35.77	35.13

PLUM0174-015 07/01/2020

MECOSTA & OSCEOLA COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 39.89	23.82

PLUM0190-012 06/01/2021

LENAWEЕ COUNTY (Townships of Clinton, Macon & Tecumseh)

	Rates	Fringes
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PLUMBER/PIPEFITTER.....	\$ 44.31	23.70
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PLUM0333-021 06/01/2022

BRANCH & HILLSDALE COUNTIES

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 42.29	23.94

PLUM0333-022 06/01/2022

LENAWEE COUNTY (Remainder of County)

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 42.29	23.94

PLUM0370-007 06/01/2020

SHIAWASSEE COUNTY

	Rates	Fringes
PLUMBER/PIPEFITTER.....	\$ 39.81	20.95

PLUM0636-008 06/05/2017

HURON COUNTY (East of M-53)

	Rates	Fringes
PIPEFITTER.....	\$ 40.41	29.35

TEAM0007-010 06/01/2024

	Rates	Fringes
TRUCK DRIVER Lowboy/Semi-Trailer Truck...	\$ 32.55	.75 + a+b

FOOTNOTE:

a. \$470.70 per week.

b. \$68.70 daily.

SUMI2010-042 11/09/2010

	Rates	Fringes
CARPENTER, Excludes Form Work....	\$ 23.97	6.29
LABORER: Landscape.....	\$ 10.89 **	1.74
LABORER: Mason Tender - Cement/Concrete.....	\$ 15.97 **	3.51
LABORER: Pipelayer.....	\$ 15.28 **	3.99
OPERATOR: Bobcat/Skid Steer/Skid Loader.....	\$ 12.98 **	6.12
OPERATOR: Grader/Blade.....	\$ 15.50 **	3.62
OPERATOR: Roller.....	\$ 13.74 **	7.93

TRUCK DRIVER: Dump Truck.....\$ 14.06 ** 1.25

WELDERS - Receive rate prescribed for craft performing operation to which welding is incidental.

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** Workers in this classification may be entitled to a higher minimum wage under Executive Order 14026 (\$17.75) or 13658 (\$13.30). Please see the Note at the top of the wage determination for more information. Please also note that the minimum wage requirements of Executive Order 14026 are not currently being enforced as to any contract or subcontract to which the states of Texas, Louisiana, or Mississippi, including their agencies, are a party.

Note: Executive Order (EO) 13706, Establishing Paid Sick Leave for Federal Contractors applies to all contracts subject to the Davis-Bacon Act for which the contract is awarded (and any solicitation was issued) on or after January 1, 2017. If this contract is covered by the EO, the contractor must provide employees with 1 hour of paid sick leave for every 30 hours they work, up to 56 hours of paid sick leave each year. Employees must be permitted to use paid sick leave for their own illness, injury or other health-related needs, including preventive care; to assist a family member (or person who is like family to the employee) who is ill, injured, or has other health-related needs, including preventive care; or for reasons resulting from, or to assist a family member (or person who is like family to the employee) who is a victim of, domestic violence, sexual assault, or stalking. Additional information on contractor requirements and worker protections under the EO is available at <https://www.dol.gov/agencies/whd/government-contracts>.

Unlisted classifications needed for work not included within the scope of the classifications listed may be added after award only as provided in the labor standards contract clauses (29CFR 5.5 (a) (1) (iii)).

The body of each wage determination lists the classifications and wage rates that have been found to be prevailing for the type(s) of construction and geographic area covered by the wage determination. The classifications are listed in alphabetical order under rate identifiers indicating whether the particular rate is a union rate (current union negotiated rate), a survey rate, a weighted union average rate, a state adopted rate, or a supplemental classification rate.

Union Rate Identifiers

A four-letter identifier beginning with characters other than ""SU"", ""UAVG"", ?SA?, or ?SC? denotes that a union rate was prevailing for that classification in the survey. Example: PLUM0198-005 07/01/2024. PLUM is an identifier of the union whose collectively bargained rate prevailed in the survey for this classification, which in this example would be Plumbers. 0198 indicates the local union number or district council number where applicable, i.e., Plumbers Local 0198. The next number, 005 in the example, is an internal number used in processing the wage determination. The date, 07/01/2024 in the

example, is the effective date of the most current negotiated rate.

Union prevailing wage rates are updated to reflect all changes over time that are reported to WHD in the rates in the collective bargaining agreement (CBA) governing the classification.

Union Average Rate Identifiers

The UAVG identifier indicates that no single rate prevailed for those classifications, but that 100% of the data reported for the classifications reflected union rates. EXAMPLE: UAVG-OH-0010 01/01/2024. UAVG indicates that the rate is a weighted union average rate. OH indicates the State of Ohio. The next number, 0010 in the example, is an internal number used in producing the wage determination. The date, 01/01/2024 in the example, indicates the date the wage determination was updated to reflect the most current union average rate.

A UAVG rate will be updated once a year, usually in January, to reflect a weighted average of the current rates in the collective bargaining agreements on which the rate is based.

Survey Rate Identifiers

The ""SU"" identifier indicates that either a single non-union rate prevailed (as defined in 29 CFR 1.2) for this classification in the survey or that the rate was derived by computing a weighted average rate based on all the rates reported in the survey for that classification. As a weighted average rate includes all rates reported in the survey, it may include both union and non-union rates. Example: SUFL2022-007 6/27/2024. SU indicates the rate is a single non-union prevailing rate or a weighted average of survey data for that classification. FL indicates the State of Florida. 2022 is the year of the survey on which these classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 6/27/2024 in the example, indicates the survey completion date for the classifications and rates under that identifier.

?SU? wage rates typically remain in effect until a new survey is conducted. However, the Wage and Hour Division (WHD) has the discretion to update such rates under 29 CFR 1.6(c)(1).

State Adopted Rate Identifiers

The ""SA"" identifier indicates that the classifications and prevailing wage rates set by a state (or local) government were adopted under 29 C.F.R 1.3(g)-(h). Example: SAME2023-007 01/03/2024. SA reflects that the rates are state adopted. ME refers to the State of Maine. 2023 is the year during which the state completed the survey on which the listed classifications and rates are based. The next number, 007 in the example, is an internal number used in producing the wage determination. The date, 01/03/2024 in the example, reflects the date on which the classifications and rates under the ?SA? identifier took effect under state law in the state from which the rates were adopted.

1) Has there been an initial decision in the matter? This can be:

- a) a survey underlying a wage determination
- b) an existing published wage determination
- c) an initial WHD letter setting forth a position on a wage determination matter
- d) an initial conformance (additional classification and rate) determination

On survey related matters, initial contact, including requests for summaries of surveys, should be directed to the WHD Branch of Wage Surveys. Requests can be submitted via email to davisbaconinfo@dol.gov or by mail to:

Branch of Wage Surveys
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

Regarding any other wage determination matter such as conformance decisions, requests for initial decisions should be directed to the WHD Branch of Construction Wage Determinations. Requests can be submitted via email to BCWD-Office@dol.gov or by mail to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2) If an initial decision has been issued, then any interested party (those affected by the action) that disagrees with the decision can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Requests for review and reconsideration can be submitted via email to dba.reconsideration@dol.gov or by mail to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210.

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END OF GENERAL DECISION"

Labor Standards Provisions for Federally Assisted Projects - 29 CFR Part 5

§5.5 Contract provisions and related matters.

- (a) The Agency head shall cause or require the contracting officer to insert in full in any contract in excess of \$2,000 which is entered into for the actual construction, alteration and/or repair, including painting and decorating, of a public building or public work, or building or work financed in whole or in part from Federal funds or in accordance with guarantees of a Federal agency or financed from funds obtained by pledge of any contract of a Federal agency to make a loan, grant or annual contribution (except where a different meaning is expressly indicated), and which is subject to the labor standards provisions of any of the acts listed in Sec. 5.1, the following clauses (or any modifications thereof to meet the particular needs of the agency, *Provided*, That such modifications are first approved by the Department of Labor):
- (1) *Minimum wages.* (i) All laborers and mechanics employed or working upon the site of the work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), will be paid unconditionally and not less often than once a week, and without subsequent deduction or rebate on any account (except such payroll deductions as are permitted by regulations issued by the Secretary of Labor under the Copeland Act (29 CFR part 3)), the full amount of wages and bona fide fringe benefits (or cash equivalents thereof) due at time of payment computed at rates not less than those contained in the wage determination of the Secretary of Labor which is attached hereto and made a part hereof, regardless of any contractual relationship which may be alleged to exist between the contractor and such laborers and mechanics. Contributions made or costs reasonably anticipated for bona fide fringe benefits under section 1(b)(2) of the Davis-Bacon Act on behalf of laborers or mechanics are considered wages paid to such laborers or mechanics, subject to the provisions of paragraph (a)(1)(iv) of this section; also, regular contributions made or costs incurred for more than a weekly period (but not less often than quarterly) under plans, funds, or programs which cover the particular weekly period, are deemed to be constructively made or incurred during such weekly period. Such laborers and mechanics shall be paid the appropriate wage rate and fringe benefits on the wage determination for the classification of work actually performed, without regard to skill, except as provided in Sec. 5.5(a)(4). Laborers or mechanics performing work in more than one classification may be compensated at the rate specified for each classification for the time actually worked therein: *Provided*, That the employer's payroll records accurately set forth the time spent in each classification in which work is performed. The wage determination (including any additional classification and wage rates conformed under paragraph (a)(1)(ii) of this section) and the Davis-Bacon poster (WH-1321) shall be posted at all times by the contractor and its subcontractors at the site of the work in a prominent and accessible place where it can be easily seen by the workers.
- (ii)(A) The contracting officer shall require that any class of laborers or mechanics, including helpers, which is not listed in the wage determination, and which is to be employed under the contract shall be classified in conformance with the wage determination. The contracting officer shall approve an additional classification and wage rate and fringe benefits therefore only when the following criteria have been met:
- (1) The work to be performed by the classification requested is not performed by a classification in the wage determination; and

- (2) The classification is utilized in the area by the construction industry; and
- (3) The proposed wage rate, including any bona fide fringe benefits, bears a reasonable relationship to the wage rates contained in the wage determination.
- (B) If the contractor and the laborers and mechanics to be employed in the classification (if known), or their representatives, and the contracting officer agree on the classification and wage rate (including the amount designated for fringe benefits where appropriate), a report of the action taken shall be sent by the contracting officer to the Administrator of the Wage and Hour Division, Employment Standards Administration, U.S. Department of Labor, Washington, DC 20210. The Administrator, or an authorized representative, will approve, modify, or disapprove every additional classification action within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (C) In the event the contractor, the laborers, or mechanics to be employed in the classification or their representatives, and the contracting officer do not agree on the proposed classification and wage rate (including the amount designated for fringe benefits, where appropriate), the contracting officer shall refer the questions, including the views of all interested parties and the recommendation of the contracting officer, to the Administrator for determination. The Administrator, or an authorized representative, will issue a determination within 30 days of receipt and so advise the contracting officer or will notify the contracting officer within the 30-day period that additional time is necessary.
- (D) The wage rate (including fringe benefits where appropriate) determined pursuant to paragraphs (a)(1)(ii) (B) or (C) of this section, shall be paid to all workers performing work in the classification under this contract from the first day on which work is performed in the classification.
- (iii) Whenever the minimum wage rate prescribed in the contract for a class of laborers or mechanics includes a fringe benefit which is not expressed as an hourly rate, the contractor shall either pay the benefit as stated in the wage determination or shall pay another bona fide fringe benefit or an hourly cash equivalent thereof.
- (iv) If the contractor does not make payments to a trustee or other third person, the contractor may consider as part of the wages of any laborer or mechanic the amount of any costs reasonably anticipated in providing bona fide fringe benefits under a plan or program, Provided, That the Secretary of Labor has found, upon the written request of the contractor, that the applicable standards of the Davis-Bacon Act have been met. The Secretary of Labor may require the contractor to set aside, in a separate account, assets for the meeting of obligations under the plan or program.
- (2) *Withholding.* The **(write in name of Federal Agency or the loan or grant recipient)** shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld from the contractor under this contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to Davis-Bacon prevailing wage requirements, which is held by the same prime contractor, so much of the accrued payments or advances as may be considered necessary to pay laborers and mechanics, including apprentices, trainees, and helpers, employed by the contractor or any subcontractor the full amount of wages required by the contract. In the event of failure to pay any laborer or mechanic, including any apprentice, trainee, or helper, employed or working on the site of the

work (or under the United States Housing Act of 1937 or under the Housing Act of 1949 in the construction or development of the project), all or part of the wages required by the contract, the (Agency) may, after written notice to the contractor, sponsor, applicant, or owner, take such action as may be necessary to cause the suspension of any further payment, advance, or guarantee of funds until such violations have ceased.

- (3) *Payrolls and basic records.* (i) Payrolls and basic records relating thereto shall be maintained by the contractor during the course of the work and preserved for a period of three years thereafter for all laborers and mechanics working at the site of the work (or under the United States Housing Act of 1937, or under the Housing Act of 1949, in the construction or development of the project). Such records shall contain the name, address, and social security number of each such worker, his or her correct classification, hourly rates of wages paid (including rates of contributions or costs anticipated for bona fide fringe benefits or cash equivalents thereof of the types described in section 1(b)(2)(B) of the Davis-Bacon Act), daily and weekly number of hours worked, deductions made, and actual wages paid. Whenever the Secretary of Labor has found under 29 CFR 5.5(a)(1)(iv) that the wages of any laborer or mechanic include the amount of any costs reasonably anticipated in providing benefits under a plan or program described in section 1(b)(2)(B) of the Davis-Bacon Act, the contractor shall maintain records which show that the commitment to provide such benefits is enforceable, that the plan or program is financially responsible, and that the plan or program has been communicated in writing to the laborers or mechanics affected, and records which show the costs anticipated or the actual cost incurred in providing such benefits. Contractors employing apprentices or trainees under approved programs shall maintain written evidence of the registration of apprenticeship programs and certification of trainee programs, the registration of the apprentices and trainees, and the ratios and wage rates prescribed in the applicable programs.
- (ii)(A) The contractor shall submit weekly for each week in which any contract work is performed a copy of all payrolls to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit the payrolls to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency). The payrolls submitted shall set out accurately and completely all of the information required to be maintained under 29 CFR 5.5(a)(3)(i), except that full social security numbers and home addresses shall not be included on weekly transmittals. Instead, the payrolls shall only need to include an individually identifying number for each employee (e.g., the last four digits of the employee's social security number). The required weekly payroll information may be submitted in any form desired. Optional Form WH-347 is available for this purpose from the Wage and Hour Division Web site at dol.gov/agencies/whd/government-contracts/construction/forms or its successor site. The prime contractor is responsible for the submission of copies of payrolls by all subcontractors. Contractors and subcontractors shall maintain the full social security number and current address of each covered worker, and shall provide them upon request to the (write in name of appropriate federal agency) if the agency is a party to the contract, but if the agency is not such a party, the contractor will submit them to the applicant, sponsor, or owner, as the case may be, for transmission to the (write in name of agency), the contractor, or the Wage and Hour Division of the Department of Labor for purposes of an investigation or audit of compliance with prevailing wage requirements. It is not a violation of this section for a prime contractor to require a subcontractor to provide addresses and social security numbers to the prime contractor for its own records, without weekly submission to the sponsoring government agency (or the applicant, sponsor, or owner).

- (B) Each payroll submitted shall be accompanied by a "Statement of Compliance", signed by the contractor or subcontractor or his or her agent who pays or supervises the payment of the persons employed under the contract and shall certify the following:
- (1) That the payroll for the payroll period contains the information required to be provided under Sec. 5.5 (a)(3)(ii) of Regulations, 29 CFR part 5, the appropriate information is being maintained under Sec. 5.5 (a)(3)(i) of Regulations, 29 CFR part 5, and that such information is correct and complete.
 - (2) That each laborer or mechanic (including each helper, apprentice, and trainee) employed on the contract during the payroll period has been paid the full weekly wages earned, without rebate, either directly or indirectly, and that no deductions have been made either directly or indirectly from the full wages earned, other than permissible deductions as set forth in Regulations, 29 CFR part 3;
 - (3) That each laborer or mechanic has been paid not less than the applicable wage rates and fringe benefits or cash equivalents for the classification of work performed, as specified in the applicable wage determination incorporated into the contract.
- (C) The weekly submission of a properly executed certification set forth on the reverse side of Optional Form WH-347 shall satisfy the requirement for submission of the "Statement of Compliance" required by paragraph (a)(3)(ii)(B) of this section.
- (D) The falsification of any of the above certifications may subject the contractor or subcontractor to civil or criminal prosecution under section 1001 of title 18 and section 231 of title 31 of the United States Code.
- (iii) The contractor or subcontractor shall make the records required under paragraph (a)(3)(i) of this section available for inspection, copying, or transcription by authorized representatives of the Michigan Department of Environment, Great Lakes, and Energy or the Department of Labor, and shall permit such representatives to interview employees during working hours on the job. If the contractor or subcontractor fails to submit the required records or to make them available, the Federal agency may, after written notice to the contractor, sponsor, applicant, or owner, take such action as maybe necessary to cause the suspension of any further payment, advance, or guarantee of funds. Furthermore, failure to submit the required records upon request or to make such records available may be grounds for debarment action pursuant to 29 CFR 5.12.
- (4) *Apprentices and trainees-* (i) Apprentices. Apprentices will be permitted to work at less than the predetermined rate for the work they performed when they are employed pursuant to and individually registered in a bona fide apprenticeship program registered with the U.S. Department of Labor, Employment and Training Administration, Office of Apprenticeship Training, Employer and Labor Services, or with a State Apprenticeship Agency recognized by the Office, or if a person is employed in his or her first 90 days of probationary employment as an apprentice in such an apprenticeship program, who is not individually registered in the program, but who has been certified by the Office of Apprenticeship Training, Employer and Labor Services or a State Apprenticeship Agency (where appropriate) to be eligible for probationary employment as an apprentice. The allowable ratio of apprentices to journeymen on the job site in any craft classification shall not be greater than the ratio permitted to the contractor as to the entire work force under the registered program. Any worker listed on a payroll at an apprentice wage rate, who is not registered or otherwise employed as stated above, shall be paid not less than the

applicable wage rate on the wage determination for the classification of work actually performed. In addition, any apprentice performing work on the jobsite in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. Where a contractor is performing construction on a project in a locality other than that in which its program is registered, the ratios and wage rates (expressed in percentages of the journeyman's hourly rate) specified in the contractor's or subcontractor's registered program shall be observed. Every apprentice must be paid at not less than the rate specified in the registered program for the apprentice's level of progress, expressed as a percentage of the journeymen hourly rate specified in the applicable wage determination. Apprentices shall be paid fringe benefits in accordance with the provisions of the apprenticeship program. If the apprenticeship program does not specify fringe benefits, apprentices must be paid the full amount of fringe benefits listed on the wage determination for the applicable classification. If the Administrator determines that a different practice prevails for the applicable apprentice classification, fringes shall be paid in accordance with that determination. In the event the Office of Apprenticeship Training, Employer and Labor Services, or a State Apprenticeship Agency recognized by the Office, withdraws approval of an apprenticeship program, the contractor will no longer be permitted to utilize apprentices at less than the applicable predetermined rate for the work performed until an acceptable program is approved.

- (ii) **Trainees.** Except as provided in 29 CFR 5.16, trainees will not be permitted to work at less than the predetermined rate for the work performed unless they are employed pursuant to and individually registered in a program which has received prior approval, evidenced by formal certification by the U.S. Department of Labor, Employment and Training Administration. The ratio of trainees to journeymen on the job site shall not be greater than permitted under the plan approved by the Employment and Training Administration. Every trainee must be paid at not less than the rate specified in the approved program for the trainee's level of progress, expressed as a percentage of the journeyman hourly rate specified in the applicable wage determination. Trainees shall be paid fringe benefits in accordance with the provisions of the trainee program. If the trainee program does not mention fringe benefits, trainees shall be paid the full amount of fringe benefits listed on the wage determination unless the Administrator of the Wage and Hour Division determines that there is an apprenticeship program associated with the corresponding journeyman wage rate on the wage determination which provides for less than full fringe benefits for apprentices. Any employee listed on the payroll at a trainee rate who is not registered and participating in a training plan approved by the Employment and Training Administration shall be paid not less than the applicable wage rate on the wage determination for the classification of work actually performed. In addition, any trainee performing work on the job site in excess of the ratio permitted under the registered program shall be paid not less than the applicable wage rate on the wage determination for the work actually performed. In the event the Employment and Training Administration withdraws approval of a training program, the contractor will no longer be permitted to utilize trainees at less than the applicable predetermined rate for the work performed until an acceptable program is approved.
- (iii) **Equal employment opportunity.** The utilization of apprentices, trainees and journeymen under this part shall be in conformity with the equal employment opportunity requirements of Executive Order 11246, as amended, and 29 CFR part 30.
- (5) **Compliance with Copeland Act requirements.** The contractor shall comply with the requirements of 29 CFR part 3, which are incorporated by reference in this contract.

- (6) *Subcontracts.* The contractor or subcontractor shall insert in any subcontracts the clauses contained in 29 CFR 5.5(a)(1) through (10) and such other clauses as the (write in the name of the Federal agency) may by appropriate instructions require, and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for the compliance by any subcontractor or lower tier subcontractor with all the contract clauses in 29 CFR 5.5.
- (7) *Contract termination: debarment.* A breach of the contract clauses in 29 CFR 5.5 may be grounds for termination of the contract, and for debarment as a contractor and a subcontractor as provided in 29 CFR 5.12.
- (8) *Compliance with Davis-Bacon and Related Act requirements.* All rulings and interpretations of the Davis-Bacon and Related Acts contained in 29 CFR parts 1, 3, and 5 are herein incorporated by reference in this contract.
- (9) *Disputes concerning labor standards.* Disputes arising out of the labor standards provisions of this contract shall not be subject to the general disputes clause of this contract. Such disputes shall be resolved in accordance with the procedures of the Department of Labor set forth in 29CFR parts 5, 6, and 7. Disputes within the meaning of this clause include disputes between the contractor (or any of its subcontractors) and the contracting agency, the U.S. Department of Labor, or the employees or their representatives.
- (10) *Certification of eligibility.* (i) By entering into this contract, the contractor certifies that neither it (nor he or she) nor any person or firm who has an interest in the contractor's firm is a person or firm ineligible to be awarded Government contracts by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (ii) No part of this contract shall be subcontracted to any person or firm ineligible for award of a Government contract by virtue of section 3(a) of the Davis-Bacon Act or 29 CFR 5.12(a)(1).
- (iii) The penalty for making false statements is prescribed in the U.S. Criminal Code, 18 U.S.C.1001.
- (b) *Contract Work Hours and Safety Standards Act.* The Agency Head shall cause or require the contracting officer to insert the following clauses set forth in paragraphs (b)(1), (2), (3), and (4) of this section in full in any contract in an amount in excess of \$100,000 and subject to the overtime provisions of the Contract Work Hours and Safety Standards Act. These clauses shall be inserted in addition to the clauses required by Sec. 5.5(a) or 4.6 of part 4 of this title. As used in this paragraph, the terms laborers and mechanics include watchmen and guards.
- (1) *Overtime requirements.* No contractor or subcontractor contracting for any part of the contract work which may require or involve the employment of laborers or mechanics shall require or permit any such laborer or mechanic in any workweek in which he or she is employed on such work to work in excess of forty hours in such workweek unless such laborer or mechanic receives compensation at a rate not less than one and one-half times the basic rate of pay for all hours worked in excess of forty hours in such workweek.
- (2) *Violation; liability for unpaid wages; liquidated damages.* In the event of any violation of the clause set forth in paragraph (b)(1) of this section the contractor and any subcontractor responsible there for shall be liable for the unpaid wages. In addition, such contractor and subcontractor shall be

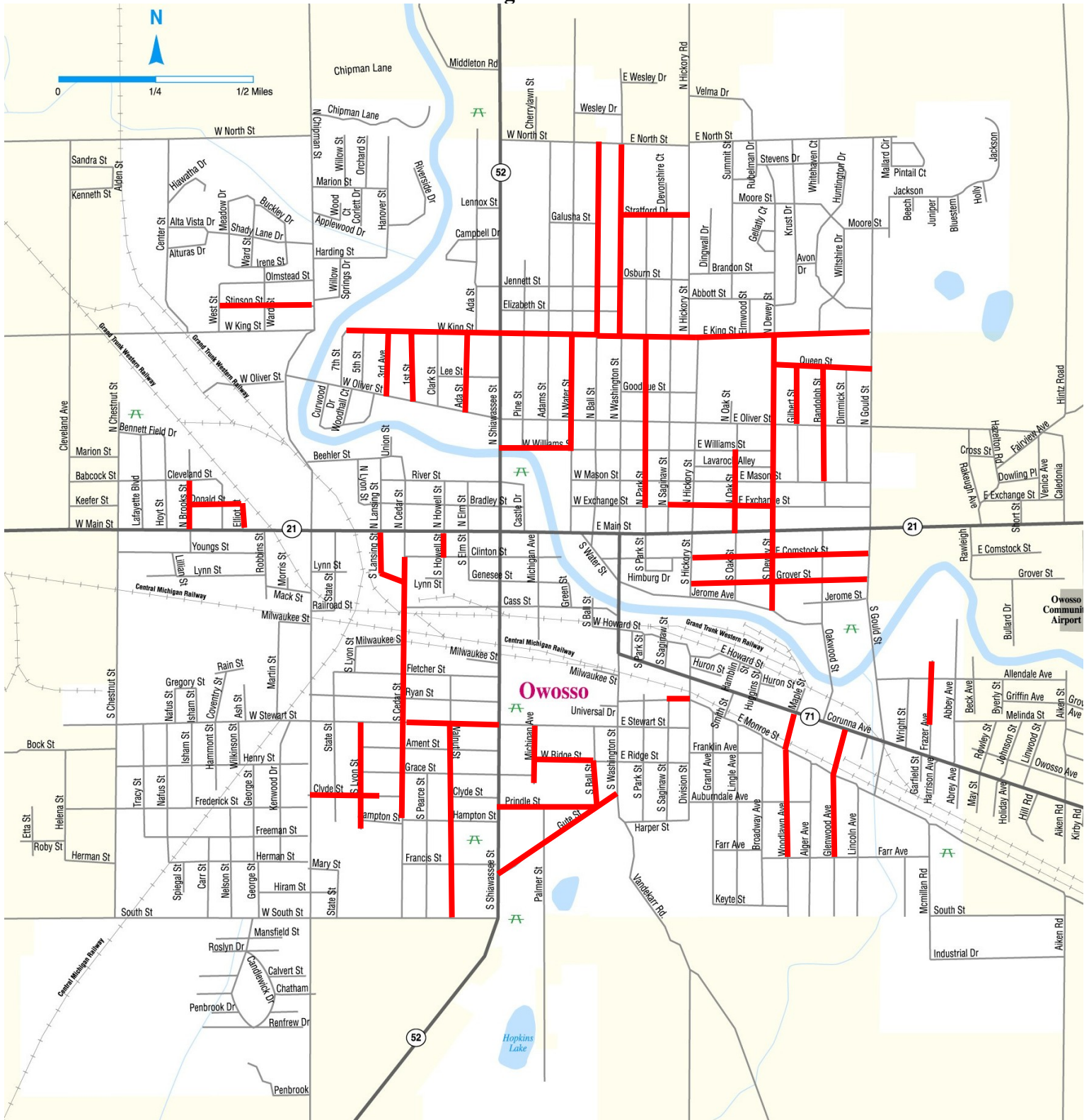
liable to the United States (in the case of work done under contract for the District of Columbia or a territory, to such District or to such territory), for liquidated damages. Such liquidated damages shall be computed with respect to each individual laborer or mechanic, including watchmen and guards, employed in violation of the clause set forth in paragraph (b)(1) of this section, in the sum of \$10 for each calendar day on which such individual was required or permitted to work in excess of the standard workweek of forty hours without payment of the overtime wages required by the clause set forth in paragraph (b)(1) of this section.

- (3) Withholding for unpaid wages and liquidated damages. The ***(write in the name of the Federal agency or the loan or grant recipient)*** shall upon its own action or upon written request of an authorized representative of the Department of Labor withhold or cause to be withheld, from any moneys payable on account of work performed by the contractor or subcontractor under any such contract or any other Federal contract with the same prime contractor, or any other federally-assisted contract subject to the Contract Work Hours and Safety Standards Act, which is held by the same prime contractor, such sums as may be determined to be necessary to satisfy any liabilities of such contractor or subcontractor for unpaid wages and liquidated damages as provided in the clause set forth in paragraph (b)(2) of this section.
- (4) Subcontracts. The contractor or subcontractor shall insert in any subcontracts the clauses set forth in paragraph (b)(1) through (4) of this section and also a clause requiring the subcontractors to include these clauses in any lower tier subcontracts. The prime contractor shall be responsible for compliance by any subcontractor or lower tier subcontractor with the clauses set forth in paragraphs (b)(1) through (4) of this section.
- (c) In addition to the clauses contained in paragraph (b), in any contract subject only to the Contract Work Hours and Safety Standards Act and not to any of the other statutes cited in Sec.5.1, the Agency Head shall cause or require the contracting officer to insert a clause requiring that the contractor or subcontractor shall maintain payrolls and basic payroll records during the course of the work and shall preserve them for a period of three years from the completion of the contract for all laborers and mechanics, including guards and watchmen, working on the contract. Such records shall contain the name and address of each such employee, social security number, correct classifications, hourly rates of wages paid, daily and weekly number of hours worked, deductions made, and actual wages paid. Further, the Agency Head shall cause or require the contracting officer to insert in any such contract a clause providing that the records to be maintained under this paragraph shall be made available by the contractor or subcontractor for inspection, copying, or transcription by authorized representatives of the Michigan Department of Environment, Great Lakes, and Energy and the Department of Labor, and the contractor or subcontractor will permit such representatives to interview employees during working hours on the job.

CITY OF OWOSSO

2025 WATER SERVICE LINE IDENTIFICATION PROJECT

Targeted Streets



PROGRESS CLAUSE

City of Owosso/CW

1 of 1

March 2025

In no case shall any work be commenced prior to receipt of formal notice of award by the City of Owosso.

The Contractor shall prepare and submit a complete, detailed, and signed MDOT Form 1130, Progress Schedule, according to 12SP-101A.

The progress schedule shall include, at minimum, the controlling work items for the completion of the project, as well as the planned dates or work days that these work items will be controlling operations. All contract dates including open to traffic, project completion, interim completion, and any other controlling dates in the contract, must be included in the Progress Schedule.

If the bidding Proposal specifies controlling dates, these shall also be included in the Progress Schedule.

The contractor is required to coordinate work with the following criteria:

1. No work shall begin before July 7, 2025.
2. All work shall be completed on or before November 15, 2025.

After award and prior to the start of work, the Contractor must attend a preconstruction meeting with the Engineer. The Engineer will determine the day, time, and place for the preconstruction meeting. The meeting will be conducted after project award and may be rescheduled if there are delays in the award of the project. The named subcontractor(s) for Designated and/or Specialty items, as shown in the proposal should attend the preconstruction meeting if such items materially affect the work schedule.

Liquidated Damages shall be assessed in accordance with Section 108.10 of the 2020 Standard Specifications for Construction.

**CITY OF OWOSSO
SPECIAL PROVISION
FOR
TECHNICAL SPECIFICATIONS**

City of Owosso/CW

1 OF 1

June, 2022

General Requirement

The MDOT 2020 STANDARD SPECIFICATIONS FOR CONSTRUCTION shall govern all technical specifications for this project. The following parts of the Contract will prevail over all other parts in the following order:

1. Special Provisions.
2. Supplemental Specifications.
3. Project Plans and Drawings.
4. MDOT Standard Plans.
5. 2020 Standard Specifications
6. City of Owosso Standard Specifications.

The Contractor shall not take advantage of any apparent error or omission in the contract documents. If any uncertainty, inconsistency, omission, or conflict is discovered within the contract documents, the Engineer will solely decide as to the true intent of the language.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

City of Owosso/CW

Page 1 of 2

March 2025

DESCRIPTION

This work consists of all labor, materials and equipment required to maintain traffic within the Construction Influence Area (CIA) of the water service site investigation locations.

Traffic shall be maintained by the Contractor throughout the project in accordance with Section 104.07, 104.11, 812 and 922 of the MDOT 2020 Standard Specifications for Construction and in accordance with any Supplemental Specifications. All traffic control devices must conform to Part 6 of the 2011 Michigan Manual of Uniform Traffic Control Devices (MMUTCD).

CONSTRUCTION INFLUENCE AREA

The CIA shall include the right of way and properties which have signed a temporary easement as listed in the Project Site Locations sheets as well as any locations necessary for construction signing.

The Contractor shall notify the Engineer and property owners a minimum of 48 hours in advance of driveway work / closure. The Contractor shall maintain driveway access throughout the entire project during investigation. Driveways that are to be removed and replaced shall be maintained with Maintenance Gravel and shall be constructed as part width.

TRAFFIC RESTRICTIONS

Changes or adjustments in the signing provided may be necessary as determined by the Engineer.

The contractor shall backfill any site investigation pothole(s), and/or trench(es) prior to the end of the workday. No open pothole(s) and/or trench(es) will be allowed overnight.

Traffic shall be maintained in accordance to the following MDOT Maintaining Traffic Typical while impacting traffic within MDOT ROW:

- WZD-100-a
- WZD-125-e
- M0020a
- M0040a
- M0110a
- M0140a

All local noise and dust control ordinances apply to this project. Work hours are Monday-Friday, 7:00am to 7:00pm. No work is allowed outside these time periods. No work is allowed on Saturday, Sunday, or National Holidays. The Contractor shall coordinate works so that any necessary preliminary or closing operations are also done within these time periods.

CONSTRUCTION

Coordinate operations with other Contractors or Utility owners performing work on other projects within or adjacent to the Construction Influence Area (CIA) or adjoining areas to avoid conflicts in maintenance of traffic, construction signing and to provide for the orderly progress of work.

Maintain pedestrian access throughout the entire project at all times during investigations. Areas of sidewalk that are to be removed and replaced shall be maintained with Maintenance Gravel. Pedestrians access to all residences and businesses shall be allowed at all times.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
MAINTAINING TRAFFIC

City of Owosso/CW

Page 2 of 2

March 2025

Maintain access to all adjacent property locations at all times. Temporary ramps for sidewalks, ramps, and driveways shall be constructed as directed by the Engineer. Maintenance gravel shall be dense-graded aggregate, MDOT 21AA, or Engineer approved equal.

TRAFFIC CONTROL DEVICES

The Contractor is responsible for maintaining all traffic control devices and is required to review the condition and adequacy of traffic control devices each working day for the project duration. Any damaged or inadequate traffic control devices shall be replaced at no additional cost to the Owner.

All temporary traffic control signs shall be placed at a distance "D", "B," and "L" as per MDOT Maintaining Traffic Typical 101-GEN-SPACING-CHARTS.

Barricades used to control traffic at night shall be lighted.

Drums used shall be plastic drums or channelizing devices.

Signs shall be Type B temporary with a 7-foot bottom height, unless otherwise directed by the Engineer.

Maintaining Traffic includes all additional work and materials necessary for traffic maintenance, utility maintenance and coordination, and maintenance during all items included within this contract.

MEASUREMENT AND PAYMENT

<u>Pay Item</u>	<u>Pay Unit</u>
Maintaining Traffic.....	Lump Sum
Maintenance Gravel.....	Ton

Payment for **Maintaining Traffic** shall be Lump Sum. Unit prices include furnishing all labor, material, and equipment needed to provide the maintenance of traffic devices required to accomplish this work. Unit prices include delivery of traffic control devices, relocating as needed between site investigation locations, operation throughout the project, and removal at project completion.

Any measures required to maintain traffic are included in unit prices for **Maintaining Traffic**. Temporary signs, arrow boards, channelizing devices, traffic regulator control, and barricades will not be paid for separately. **Maintenance Gravel** will be paid for separately, only as directed by the Engineer. Maintenance Gravel will not be paid without prior approval of the Engineer.

Payment for **Maintenance Gravel** includes installation of a temporary aggregate base course at locations directed by the Engineer in order to maintain vehicle and pedestrian traffic. The Engineer will measure **Maintenance Gravel** by the Ton based on certified scale weight tickets.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
CONCRETE SIDEWALK AND DRIVEWAY REPLACEMENT

City of Owosso/CW

Page 1 of 1

May 2024

DESCRIPTION

This work consists of removing and replacing concrete sidewalks or driveways at locations where pavement removal is required to complete water service hydro-excavation site investigations. Perform work in accordance with Sections 204, 601, 602, 801 and 803 of the MDOT 2020 Standard Specifications for Construction and MOOT Standard Plan R-29 Series for Concrete Driveway and Sidewalk details.

MATERIALS

Sand Base: Granular Class II - Section 902

Concrete: MOOT Grade 3500 PSI, Air Entrained - Section 601

Curing Materials: Section 903

Joint Materials: Section 914

CONSTRUCTION

Sawcut, remove and dispose of existing concrete driveway or sidewalk pavement. Only remove the area required to perform the hydro-excavation site investigations. If adjacent concrete is deteriorated, remove the existing concrete to the nearest existing pavement joint. The limits for removal are as specified on the plans or as directed by the Engineer in the field. Pavement replacement areas must be approved by the Engineer prior to removal.

Place a minimum of 4" of sand base material compacted in place to 95% Maximum Density below all areas requiring new concrete placement. Place concrete to the thickness required to match existing adjacent pavement section. Hand broom finish new concrete to match existing adjacent pavement and apply curing compound. Protect new concrete until hardened to prevent damage from foot traffic or vandalism.

Perform driveway work part width where possible to allow access at all times. Work shall be performed in accordance with Subsections 801 and 803.

MEASUREMENT AND PAYMENT

<u>Pay Item</u>	<u>Pay Unit</u>
Concrete Replacement, 4 inch thick.	Square Foot
Concrete Replacement, 6 inch thick.	Square Foot

The Engineer will measure **Concrete Replacement, _ inch thick** in-place by the square foot, measured at the perimeter of the replacement area by length and width. The Engineer will determine the thickness of the concrete pavement replacement by measuring the thickness of the removed pavement, along the exposed face of the sawcut area. The thickness will be determined to the nearest inch. Pavement up to 4 inches in thickness will be paid as **Concrete Replacement, 4 inch thick**. Pavement greater than 4 inches and up to 6 inches in thickness will be paid as **Concrete Replacement, 6 inch thick**.

The unit price for these pay items includes sawcutting and removing the existing sidewalk or driveway concrete pavement, regardless of the thickness of existing pavement. The unit prices include placement and compaction of the sand base, placement of concrete of the required thickness, and finishing and protecting the new concrete.

The unit prices include furnishing all associated labor, materials, equipment, and appurtenances required to complete the work as specified.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
HMA REPLACEMENT

City of Owosso/CW

Page 1 of 1

May 2024

DESCRIPTION

This work consists of removing and replacing HMA driveways or roadway pavement at locations where removal is required to complete water service hydro-excavation site investigations. Perform work in accordance with Sections 204, 302 and 501 of the MDOT 2020 Standard Specifications for Construction.

MATERIALS

HMA – 13A placed in lifts greater than or equal to 165 lbs/syd but less than or equal to 275 lbs/syd.

Performance Grade asphalt binder - PG58-28

Aggregate base course - MDOT Dense Graded Aggregate 21AA.

Bituminous Bond Coat - per Section 501 placed at the uniform rate of application 0.05 to 0.15 gallons per square yard.

CONSTRUCTION

Sawcut, remove and dispose of existing HMA driveway or roadway pavement. Only remove the area required to perform the hydro-excavation site investigations. The limits for removal are as specified on the plans or as directed by the Engineer in the field. HMA pavement replacement areas must be approved by the Engineer prior to removal.

Place aggregate base course at a minimum of 8 inches thick in any areas requiring new HMA, or as directed by the Engineer. Place and compact the Aggregate Base in place to 98% Maximum Density.

Place HMA in maximum lifts as specified. HMA must match existing thickness with a minimum thickness of 6" thick. Apply bituminous Bond Coat to edges of existing adjacent pavement materials prior to HMA placement. Compact the HMA to a minimum of 92.0% maximum density.

MEASUREMENT AND PAYMENT

<u>Pay Item</u>	<u>Pay Unit</u>
HMA Pavement Removal.	Square Foot
Aggregate Base Course.	Ton
Hand Patching, HMA.	Ton

The Engineer will measure **HMA Pavement Removal** in-place by the square foot, measured at the perimeter of the replacement area by length and width, regardless of the thickness of the existing pavement material. The unit price for this item includes sawcutting and removing the existing HMA pavement.

The Engineer will measure **Aggregate Base Course** by the Ton, based on certified scale weight tickets. The unit price for this Pay Item includes compacting the existing subgrade material at the removal area and furnishing, placing and compacting the aggregate base course in lifts, to the full thickness required.

The Engineer will measure **Hand Patching, HMA** by the Ton, based on certified scale weight tickets. The unit price for this Pay Item includes placing and compacting the new HMA in lifts within the removal area and placing required tack and bond coats.

The unit prices include furnishing all associated labor, materials, equipment, and appurtenances required to complete the work as specified.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
HYDRO-EXCAVATION

City of Owosso/CW

Page 1 of 2

March, 2025

DESCRIPTION

This work consists of excavating site investigation "potholes" using the method of hydro-excavation at designated locations along existing water service lines to expose the line and determine the service line size and material type. Complete work in accordance with Section 205 of the MDOT 2020 Standard Specifications for Construction.

MATERIALS

Backfill: Granular Material, Class II, III - Section 902

CONSTRUCTION

Hydro-Excavation. Contractor is responsible for locating the curb stop box. Remove existing soils, debris and materials within site investigation pothole area using pressurized water. Use an air conveyance or vacuum system to remove or transfer soils, debris, and materials into an isolated tank.

Excavate a pothole using hydro-excavation methods at the site investigation locations identified in the Contract Documents, or as directed by the Engineer in the field. Each pothole must be a minimum distance of 18-inches from the curb stop.

Limit the hydro-excavation pothole area to the minimum size required to access the existing water service line. The service line depths are anticipated to be a maximum of 6 feet deep. The approximate limits of hydro-excavation pothole are estimated to be 2 feet in diameter at each location. Unearth and make visible the existing water service line. Identify and document the size (diameter) and material type of the water service line on forms provided by the Owner.

If the pothole is performed in a lawn area, carefully remove the existing sod, then preserve and protect the sod for re-installation after backfill operations area complete. If the pothole is performed in an area with concrete or HMA pavement, remove the pavement in accordance with the applicable specifications.

Minimize earth disturbance at the pothole site. Preserve and protect existing items such as structures, utilities, pavements, landscape plantings, adjacent lawns, trees, shrubs, and fences during hydro-excavation work. Protect roots from landscape plantings from exposure. Relocate site for pothole as necessary to avoid damage to adjacent items, as approved by the Engineer. Repair damage caused to any exiting item not specified for removal at no additional cost to Owner.

If a large object (utilities, boulders, vaults, roots, etc.) is encountered during hydro-excavation and the object cannot be removed using standard hydro-excavation and vacuum extraction methods, obtain approval from the Engineer to relocate the pothole or increase the size of the pothole, to avoid the object.

If the water service line curb stop is within a meter pit, remove the meter pit lid and identify and document the size (diameter) and material type of the piping on forms provided by the Owner. Careful consideration must be given to not damage the meter, transmitter, and wiring. Notify the Engineer immediately of any damage.

If the water service line is observed to be leaking or damaged or is damaged by the hydro-excavation process, notify the Engineer immediately. If the leaking and/or damaged water service line is composed of non-compliant (lead or galvanized) materials, the water service line must be replaced in accordance with the applicable specifications.

1. **Backfill of the pothole.** Once the hydro-excavation and identification of the water service line is complete, obtain approval from the Engineer to place backfill. Immediately place and compact backfill material in lifts within the entire depth of the pothole. In lawn areas, complete backfill to bottom of sod. In paved areas, complete backfill to the bottom of sand subbase (concrete areas) or aggregate base (HMA areas).

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2 Restoration of pothole site. Once backfill is complete, restore the pothole site.

- a. **Lawn areas.** Reinstall the existing sod. Install the sod to match the grade of the adjacent lawn areas. If the Engineer determines that the sod is damaged or unsuitable to be reinstalled, restore the area with topsoil, seed, fertilizer and mulch.

If the Engineer determines that any adjacent lawn areas were disturbed during the hydro-excavation operations, restore the area by eliminating any ruts in the existing lawn, and restore with topsoil, seed, fertilizer and mulch. Perform restoration with topsoil, seed, fertilizer and mulch in accordance with the Special Provision for Turf Establishment. Any restoration required, in addition to reinstalling the sod plug, will be performed at no additional cost to the Owner.

- b. **Paved areas.** Replace the pavement section in accordance with the applicable specifications.

MEASUREMENT AND PAYMENT

<u>Pay Item</u>	<u>Pay Unit</u>
Hydro-Excavation, 0 to 2 ft diameter.	Each
Hydro-Excavation, 2 ft to 6 ft diameter.	Each
Hydro-Excavation, 6 ft diameter and Greater.	Each

The Engineer will measure Pay Items for **Hydro-Excavation** per-each pothole site investigation performed. The limits for each item are as follows:

Hydro-Excavation, 0 to 2 ft diameter: Pothole up to 2 feet in diameter, and up to 8 feet in depth

Hydro-Excavation, 2 ft to 6 ft diameter: Pothole greater than 2 feet in diameter, up to 12 feet in depth

Hydro-Excavation, 6 ft diameter and Greater: Pothole greater than 6 feet in diameter, up to 20 feet in depth

A majority of the potholes for site investigations are expected to be 2 ft in diameter and less. **If a pothole larger than 2 feet in diameter is deemed necessary to investigate the water service line, obtain approval from the Engineer prior to commencement.** Payment will not be made for unauthorized Hydro-Excavation locations greater than 2 feet, without prior approval from the Engineer.

The unit prices include furnishing all associated labor, materials, equipment, and appurtenances required to complete the work as specified. Work includes removing and preserving the existing sod, performing the hydro-excavation and removing the existing material above the existing water service line, documenting the size and type of the water service line, backfilling and compacting the excavated area to the limits specified, reinstalling the existing sod, and performing restoration of damaged lawn areas. Payment will not be made until the Owner receives documentation for the water service line investigated.

Concrete and HMA pavement removals and replacements will be paid for separately. Removal of the aggregate and sand bases beneath existing pavements is included in the unit prices for **Hydro-Excavation**.

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DESCRIPTION

Delete Section 816 of the MDOT 2020 Standard Specifications for Construction in its entirety and replace it with this Special Provision. The Contractor is responsible for the performance and quality of turf growth in the required turf restoration areas. Comply with all local, state and federal laws when completing this work.

Establish a durable, permanent, weed-free, mature, perennial turf. The work consists of fundamental turf work, including but not limited to topsoiling, seeding, mulching, erosion control, maintenance, watering and repair of turf as described herein during the life of the contract and during the life of any supplemental performance bond which may ensue.

Choose and implement proven turf establishment industry practices; provide all necessary labor and equipment; select and provide all turf establishment materials; and control erosion and any subsequent sedimentation at all times.

Subsection 107.11 of the Standard Specifications for Construction is revised relative to the Contractor's responsibility for the repair of turf establishment work as follows. The Contractor is responsible, at no additional cost to the contract, for the repair of turf establishment work occasioned by storm events up to 3 inches of rain in a 24-hour period as documented by local meteorological data submitted to the Engineer for review and approval. All other portions of subsection 107.11 remain unchanged.

Use of restricted use chemicals is prohibited.

CONSTRUCTION

The Contractor is responsible for all work and all construction methods used in completing this work. Implementation of any part of the standard specifications or standard plans by the Contractor does not relieve the Contractor of responsibility for acceptability of the construction methods or for the quality of the work.

A. Erosion Control. Control erosion at all times according to section 208 of the Standard Specifications for Construction. Control of soil erosion is the responsibility of the Contractor. However, sedimentation controls must be placed as indicated on the plans or as directed by the Engineer. Continuously monitor the site for needed erosion repair from any cause as addressed in the contract. Return all eroded areas to original grade as detailed in the contract. Take immediate corrective action if sedimentation occurs in drainage structures or any watercourse or water containment area and stabilize all disturbed areas contributing to this sedimentation within 24 hours after the erosion occurrence. Remove sediment deposited as a result of the Contractor's inability to control the soil erosion at the Contractor's expense.

B. Erosion Repair. The Contractor is responsible for all repairs and liable for all consequences (legal, monetary or other) associated with erosion or sedimentation damage to finished or unfinished work.

The Contractor is responsible and liable for all traffic control and safety measures required to repair and protect damaged turf areas. Repair any eroded area that may affect the support of the roadbed or safety of the public within 24 hours of the erosion occurrence.

Place protective devices such as barriers, directional signs/signals, temporary fence, or any other safety measures immediately after any erosion damage occurs that has the potential of endangering the public. In these instances, provide the Engineer with a written summary of the immediate action taken describing the repairs made and the safety measures taken, within 24 hours of the occurrence of the damage.

C. Mowing and Weeding. Maintain turf to a visually appealing level, and not more than 8 inches in height at any time, prior to acceptance. Weeds must be controlled to less than 10 percent of the turf establishment area at all times during construction.

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D. Final Acceptance and Supplemental Performance Bond.

1. Final Acceptance Parameters.

- a. Ensure before final acceptance of the turf establishment work, all of the following minimum parameters are met throughout all exposed areas of the project designated on the plans or identified by the Engineer as turf establishment areas: there must be no exposed bare soil and the turf must be fully germinated, erosion free, weed free, disease free, dark green in color and in a vigorous growing condition.
- b. The Engineer will notify the Contractor of the dates and times of all acceptance inspections. The Contractor may accompany the Engineer during these inspections. If the Contractor does not agree with the decision made by the Engineer, the Contractor may request an inspection by a mutually agreed upon third party (Michigan State University Extension service or other). A joint inspection, to include the Engineer, the Contractor, and the third party, will be scheduled by the Engineer. The Contractor shall pay all expert fees and expenses charged by the third party.

MATERIALS

Provide topsoil, seed, mulch, pesticide, herbicide, mulch blankets and any other unique erosion control materials as necessary to fulfill this specification, as detailed on the plans. Use additional materials, as necessary, to meet the standards set forth for turf establishment in this Special Provision. The use of sod on the project requires the prior approval of the Engineer.

Selection of all materials is the responsibility of the Contractor with the following minimum conditions.

A. Soil. Provide furnished or salvaged topsoil, which may be blended compost, that will support vigorous growth. Ensure topsoil is humus bearing and placed at least 4 inches deep. Ensure it is free of stones larger than 1/2 inch (2 inches on freeway projects) in diameter and other debris. Trim and grade the finished slope in accordance with subsection 205.03.N of the Standard Specifications for Construction.

B. Seed. Use a seeding mixture that is composed of four or more species of perennial grass. Use only species and their cultivars or varieties which are guaranteed hardy for Michigan.

Recommended species of perennial grasses include: Kentucky Bluegrass, Perennial Ryegrass, Hard Fescue, Creeping Red Fescue, Chewings Fescue, Turf-type Tall Fescue, Buffalo grass, and Alkaligrass-Fults Puccinellia distans. Select cultivars or varieties of grasses that are disease and insect resistant and of good color. Ensure that no one species in the mix is less than 5 percent, or more than 25 percent, of the mixture by weight. Do not select grass species considered noxious or objectionable, such as Quack Grass, Smooth Brome, Orchard Grass, Reed Canary Grass and others.

1. Ensure the seed is legally saleable in Michigan. Ensure the seed product does not contain more than 10 percent inert materials. Ensure the seed source is an MDOT approved certified vender.
2. Ensure at least two of the species in the mixture proposed to be planted within 15 feet behind the curb or the shoulder are salt tolerant.

C. Mulch. Mulch seeded areas with the appropriate materials for the site conditions to promote germination and growth of seed and to mitigate soil erosion and sedimentation.

D. Herbicides. Comply with all federal, state and local laws. As part of the MDA weed control application, the Contractor is required to make proper notifications and/or postings as per label and MDA requirements for all locations that will be sprayed. Notify the Engineer at least 48 hours prior to any applications being made. Furnish and apply herbicide(s) as needed. It is the Contractor's responsibility to select the

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herbicide(s) and the rate at which it is used.

Do not draw water from any waterway (i.e. river, ditch, creek, lake, etc.) located on state, county or municipal right-of-way, for mixing with herbicides.

E Fertilizers. Furnish and apply fertilizer(s) as needed. It is the Contractor's responsibility to select the fertilizer(s) and the rate at which it is used. Phosphorus is allowed for use only at the time of planting and when required by soil conditions.

F. Water. Furnish and apply water from an approved source at a rate to promote healthy growth.

MEASUREMENT AND PAYMENT

Turf establishment work is incidental to Hydro-Excavation Pay Items and will not be paid for separately. See Special Provision for Hydro-Excavation for details on pay limits for that item.

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DESCRIPTION

This work shall consist of installing water services and appurtenances, on an emergency basis, in accordance with the plans, this special provision, AWWA, MDEQ, and the MDOT 2020 Standard Specifications. This shall include all labor, equipment, and materials to complete the work.

For the protection of underground utilities and in conformance with Public Act 174 of 2013, the Contractor shall contract the Miss Dig system, Inc. by phone at 811 or 800-482-7171 or via the web at either elocate.missdig.org for single address or rte.missdig.org, a minimum of 3 business days prior to excavation, excluding weekends and holidays.

The Department of Public Works can assist the Contractor in locating existing water service leads and mains. All removed valves and hydrants shall be salvaged and returned to the Department of Public Works.

The Contractor shall be notified by the Engineer when an emergency water service line replacement situation becomes known. The Contractor shall respond to and perform the replacement within 24 hours of notification.

A service charge of \$1,250 will be required at time of permit application for hydrant use for bulk water. This fee includes the minimum charge of \$75 for 5,000 bulk gallons of water, plus additional charges of \$16 per 1,000 gallons consumed in excess of the minimum quantity. Owosso Water System personnel will attach a water meter and RPZ backflow preventer to the hydrant for Contractor use. If the water meter and RPZ is returned in good operating condition, the Contractor will receive a \$450 refund, less additional water consumed in excess of minimum quantity.

MATERIALS

All materials supplied by the Contractor shall be new, meeting minimum specifications of American Water Works Association (AWWA) Standards, and special provisions as delineated by the City of Owosso. All materials shall be lead free as defined by the USEPA Safe Drinking Water Act, in that; "All pipes, pipe fittings, plumbing fittings, and fixtures that are used for potable water must comply with the lead free requirement and must bear the mark NSF/ANSI Standard 61, Annex G or NSF 61-G." Michigan and United States of America products shall be used whenever possible.

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Curb Stops/Boxes, Taps, and Services

The water service piping shall be Copper tubing, minimum 1", Type K, annealed, in accordance with ASTM B88. The fittings shall conform to ASTM B16.26, cast bronze. Joints of copper tubing shall be compression or quick-joint. All water services to be constructed 90 degrees from water main to curb-stop/meter pit.

Taps:

1. For 1 inch residential service tap, a saddle is required. Use Ford #F-1000-4-Q-NL corporation with Ford stainless steel saddle FS300 series.
2. For larger than 1 inch service tap, use Ford #F series corporation and FS300 series saddle as appropriate.

Clamps:

Use Ford Tapped Repair Clamps – FS1 – XXX - 12.5 - CC4 – SS or approved equal. All clamps used must be stainless steel.

Curb stops/boxes shall follow below:

1. Curb Stops shall be manufactured by Ford, Model #B-44-444-Q-NL or approved equal for 1 inch ball-stop and Model #B-44-666-Q-NL or approved equal for 1 ½ inch. Female thread x CTS – QJ or CTS – QJ x CTS – QJ.
2. Curb Stops shall be no deeper than 5' 6" deep.
3. Curb Stop Boxes shall be the Standard Arch Buffalo Style patterns and all parts of the same, including extension sections, shall be interchangeable and fit up with corresponding parts of other Standard Arch Buffalo Style pattern boxes.
4. Internal diameter of base shaft shall be 2-1/2 inches.
5. The boxes shall be cast iron, suitable coated to resist corrosion and the casting shall be smooth and free of any imperfections.
6. The covers shall overlap and fit outside the rim of the upper section, and they shall have a horseshoe-shaped groove in them to receive the bolt head and the word "water" embossed on the top surface.
7. All boxes shall be Tyler 6500 (2-1/2" Boxes) Series or approved equal.
8. Any 360-degree valve curb stops found shall be removed and replaced.

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Curb Stops/Boxes installed into concrete shall have a barrier/insulation material to keep the box and riser pipe from making contact with concrete to avoid movement from expansion. Barrier material shall be placed from the surface grade, and down through depth of concrete plus three (3) inches. Barrier material should be a minimum ¼ inch and not more than ½ inch thick. Material shall consist of a dense felt, rubber, or foam rubber suitable for exterior use.

Tracer Wire and Boxes

Tracer wire shall be #10 AWG polyethylene coated steel core copper wire, attached to pipe by tape or other approved means, and manufactured by Copperhead Industries, LLC – Copperhead Reinforced Tracer Wire, or approved equal. Tracer wire connectors must contain a dielectric waterproof and corrosion proof sealant, lock shut, and be color coded blue. (See MRWA Detail in Trace Wire Special Provision)

Tracer wire boxes shall be magnetized, with a direct connection to tracer wire without removing the cover, be color coded, and have a locking cover. Boxes shall be installed at every fire hydrant isolation valve (separate from the valve riser), and at every distribution water main isolation valve (separate from the valve riser) and shall be Copperhead Industries, LLC – Snake-Pit Magnetized Tracer Box, or equal.

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CONSTRUCTION METHODS

Methodology of Installation of Non-Standard (lead and/or galvanized) Water Service Lines

1. Non-standard (lead and galvanized pipe) water service lines may exist between the water main and the curb stop box or between the curb stop box and water meter located inside the house or in a meter pit outside the house/building. In other instances, the entire water service line from the water main to the meter consists of non-standard material. Except for excavation necessary to expose the water main and curb box, service lines shall be installed by use of trenchless technology methods otherwise approved by the engineer. The new service line shall be solid pipe not containing any splices. The method used for replacing the lead and galvanized services shall be by cable method, which involves the use of a cable placed inside the existing lead or galvanized service line with the new replacement copper line attached on the other side. The cable is then pulled using a winch or backhoe bucket to remove the old service line between the main and curb stop box and between the curb stop box and the building. Otherwise, the new water service line shall be installed by use of boring equipment. During the water service installation process, all valves servicing the house/building shall be turned off to prevent particles from entering the water system. Upon commencing work on any segment of a lead or galvanized service line, either from the water main to curb stop valve or from the curb stop valve to the building, neither segment of the water service line shall be used for water service until all segments of non-standard service line are replaced. All joints, fittings, and valve connections shall be exposed during a test period. The Contractor will contact the engineer for an inspection to be performed to ensure that work has been done correctly and to properly record the work for the City's records. All service line are to be flushed before being placed into service.
2. If a building is encountered with multiple water meters, a new water service line tap and curb stop may be required depending on the existing circumstances. Generally, the number of meters should equal the number of curb stops and taps (i.e. a building with two water meters shall have a tap at the water main and a curb stop for each water meter).
3. If a building is encountered with one water meter, but servicing more than one dwelling unit (i.e. apartment), the water meter size and water service line size shall be installed in accordance with the table in the current approved resolution for Establishment of Water and Sewer Connection Charge Policies.

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4. Replacement of Non-Standard Service Lines

A. Case #1: Non-Standard Service Line between the Curb Stop and Building

For non-standard lines located between the existing curb stop box and building, the contractor shall excavate the curb stop box, which typically located near the sidewalk or property line. The water service line inside the building on the inlet side of the water meter shall also be disconnected by the contractor. The opening in the wall at the location where the service line extends through the foundation of the building shall then be enlarged by the contractor if necessary. The new copper service line will then be installed between the building and curb stop box using the cable or boring method. The contractor shall extend the new service line into the building and connect the line to the water meter. If it is necessary to use boring equipment to install the service line, the boring equipment shall bore through the foundation/basement wall of the structure. The old service line shall be abandoned on the inside of the basement wall by removing at least two (2) inches of the lead or galvanized service lines from within the basement wall and filling the interior of the remaining pipe with mortar. The contractor shall be responsible to reinstall the mortar in the case of failure and installing a permanent cap. If it becomes necessary for the contractor to excavate on the outside of the building foundation to facilitate installation of the water service line, such work shall be completed in a manner that causes the least amount of disruption to yard areas and other locations near the building. The contractor will contact the engineer for an inspection to be performed to ensure that work has been done correctly and to properly record the work for the City's records.

B. Case #2: Non-Standard Service Lines between Water Main and Curb Stop Box

For non-standard service lines located between the water main and curb stop box, the contractor shall excavate the service line at two locations: at the water main, which is typically located beneath the street pavement, and the curb stop box, typically located near the sidewalk. The old service line and corporation will then be disconnected at the water main and the curb stop and a new copper service line is then installed using the cable or boring method. The new copper service line will then be connected to the existing water main using a stainless steel clamp with opening of the proposed pipe size placed over existing tap along with appropriate adaptors and fittings. If the existing tap is determined to be unfit for re-use by the engineer, a new tap in the water main shall be made with a new corporation. If a standard service line (copper) exists between the curb stop box and the building, the contractor will connect the new service line to the existing curb stop after first flushing the new service line from the water main to curb stop.

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C. Case #3: Non-Standard Water Service Line between Water Main and Building

Where the entire water service line from the water main to the building consists of non-standard materials, the contractor shall follow the installation procedures described above and also install a new curb stop valve and curb stop box near the sidewalk at a location approved by the engineer. The contractor shall contact the engineer for an inspection to be performed to ensure that work has been done correctly and to properly record the work for the City's records. The partial replacement of non-standard water services is not allowed.

In all cases, prior to reconnecting the water meter, the new service line shall be thoroughly flushed with sufficient water volume and velocity to remove all foreign material from the pipe. If material within the pipe damages or plugs a customer's meter or service piping, the contractor shall be responsible for the cost of all repairs to the service line and related plumbing. After reconnection of the service line, an outside faucet shall be turned on for a period of at least two minutes to further flush any foreign material from the service line.

3. Excavation

The contractor shall furnish all labor, equipment, and materials necessary to expose all parts of the water service system necessary to replace the existing water service line. Except where otherwise approved by the Engineer, the contractor will cut pavement/sidewalk to an appropriate dimension to carry out the appropriate repair, and the excavation and installation process shall be performed in a manner to allow placement of new service lines at a final depth of five (5) to six (6) feet below finished grade regardless of the depth of the existing water service or water main. Except otherwise approved by the Engineer, all excavations necessary to complete the water service replacement (under roadways, curbs, driveways, approaches, and sidewalks) must follow the utility trench details and the Class II sand backfill must be compacted to 95% of the material's maximum density. All such excavations shall be capped off by placing 8 inches of 21AA crushed limestone matching the existing asphalt base course bottom elevation. Temporary restorations will be maintained at the contractor's expense until the contractor has performed final restoration. All excavations within the lawn/green belt areas are to be backfilled with the granular material class II and granular material class III. These excavations will be filled to the level of the adjacent ground and left smooth. When weather permits, the top three (3) inches of backfill material shall be removed and three (3) inches of screened topsoil will be placed in the excavation. Seed and mulch shall be placed per manufacturer's recommendations.

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Notification to Residents of Water Service Shutdowns

1. The Engineer shall notify the Contractor via telephone that an emergency water service line replacement is needed.
2. The Contractor shall initiate water service line replacement within 24 hours of being notified.
3. In situations where the water supply needs to be shut down to make a new service connection tap, the Contractor shall immediately notify the Engineer.
4. Prior to the water supply shut off, Contractor shall have performed a thorough investigation and review of necessary parts and components adequately sized, and available on site at time of connection to the potable water supply, to avoid unnecessary lengthy water service interruptions to residents and businesses. Water shall not be shut off over night. The Contractor shall work until water is back on for the resident(s).

Scheduling of Service Line Replacements with Residents

1. The Engineer will give Contractor contact information for the residents whose lines are to be replaced.
2. The contractor shall initiate communication with the resident to schedule a time for their water service line to be replaced that is satisfactory with the resident. The city will provide assistance as needed with getting contact information for the resident.
3. If the contractor is unable to establish communication with the resident, the contractor shall place a door hanger at the property owner's dwelling/business. The door hangers shall be approved by the City prior to their placement.

Plumbing Inspections

1. For Case #1 and #3 Replacements, where a new water service line is connected inside the building, a licensed plumber shall be required to make the connection inside the building.
2. The licensed plumber shall obtain a plumbing permit and coordinate inspection with the City of Owosso Building Department. The plumbing permit fee is \$120 per location. The cost of the permit fee shall be included in part of related items.
3. Photos of the connection inside the building shall be taken before, after, and during installation and be sent to the Engineer.

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PAY ITEMS

The completed work of water main installation will be paid for at the contract unit prices for the actual quantity of the following contract items (pay items) actually constructed.

<u>Pay Items</u>	<u>PAY UNIT</u>
Water Service, Case 1, __ inch, Curb Stop to Water Meter	Ea
Water Service, Case 2, __ inch, Main to Curb Stop	Ea
Water Service, Case 3, __ inch, Full Service, Main to Meter	Ea
Failed Attempt, Trenchless	Ea
Water Main Tap	Ea

Payment for **Water Service, Case 1, __ inch, Curb Stop to Water Meter**: This shall include the installation of the copper water service lines and shall be paid at the contract unit price per each water service line replaced from the curb stop box to the water meter. The placement of this new copper water service line shall follow the method order written in the construction methods section. This item shall include all machinery, labor, and materials necessary to complete the installation of the copper water service line. This includes, but is not limited to, backfill, compaction, surface restoration of non-paved areas, coring and sealing the foundation walls, and excavation at the exterior of the foundation wall.

Payment for **Water Service, Case 2, __ inch, Main to Curb Stop**: This shall include the installation of the copper water service lines and shall be paid at the contract unit price per each water service line replaced from the water main to the curb stop box. The placement of this new copper water service line shall follow the method order written in the construction methods section. This item shall include all machinery, labor, and materials necessary to complete the installation of the copper water service line. This includes, but is not limited to, backfill, compaction, surface restoration of non-paved areas, coring and sealing the foundation walls, and excavation at the exterior of the foundation wall.

Payment for **Water Service, Case 3, __ inch, Full Service, Main to Meter**: This shall include the installation of the copper water service lines and shall be paid at the contract unit price per each water service line from the water main to the water meter. The placement of this new copper water service line shall follow the method order written in the construction methods section. Replacement of the Curb Stop Box will be included into this payment item. This item shall include all machinery, labor, and materials necessary to complete the installation of the copper water service line and the replacement of the curb stop box. This includes, but is not limited to, backfill, compaction, surface restoration of non-paved areas, installation of new curb stop box, installation of new curb stop valve, coring and sealing the foundation walls, and excavation at the exterior of the foundation wall.

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Payment for **Failed Attempt, Trenchless**: This pay item is for when the attempt to replace the water service line using a trenchless method (cable or boring) is unsuccessful in the opinion of the engineer. The trenchless method can be declared unsuccessful if and only if the engineer declares that it is unsuccessful then which the open cut method should be performed in the replacement of the water service line. All costs associated with attempting to remove the existing water service line shall be included in this pay item. Payment will be based on “EACH” location where the use of the trenchless method is unsuccessfully attempted.

Payment for **Water Main Tap**: This shall include all labor, materials, and equipment necessary to install a new water main tap and corporation. Payment will be based on “EACH”.

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TRACE WIRE

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a. Description. Work consists of the installation of trace wire and access boxes on new water main and water service lines composed of non-metallic materials (such as PVC, PEX, HDPE, etc), as required in the Contract Documents and as directed by the Engineer. This work includes furnishing all labor, materials, and equipment necessary to complete the installation of trace wire and access boxes.

b. Materials. All trace wire and trace wire products shall be domestically manufactured in the U.S.A. All trace wire shall be HDPE insulation intended for direct bury and be color coated per APWA standard for the specific utility being marked.

For open cut and directional drilling/boring water main applications, trace wire shall be #10 AWG Copper Clad Steel, High Strength with minimum 1,150 lb. break load, with minimum 30 mil HDPE insulation thickness.

For water service line applications, trace wire shall be #10 AWG Copper Clad Steel, Extra High Strength with minimum 1,150 lb. break load, with minimum 30 mil HDPE insulation thickness.

For pipe bursting/slip lining applications, trace wire shall be 7 x 7 Stranded Copper Clad Steel, Extreme Strength with 4,700 lb. break load, with minimum 50 ml HDPE insulation thickness.

All mainline trace wires must be interconnected in intersections, at mainline tees and mainline crosses. At tees, the three wires shall be joined using a single 3-way lockable connector. At Crosses, the four wires shall be joined using a 4-way connector. Use of two 3-way connectors with a short jumper wire between them is an acceptable alternative.

Direct bury wire connectors shall include 3-way lockable connectors and mainline to lateral lug connectors specifically manufactured for use in underground trace wire installation. Connectors shall be dielectric silicon filled to seal out moisture and corrosion and shall be installed in a manner so as to prevent any uninsulated wire exposure.

Non-locking friction fit, twist on or taped connectors are prohibited.

All trace wire termination points must utilize an approved trace wire access box (above ground access box or grade level/in-ground access box as applicable), specifically manufactured for this purpose.

All grade level/in-ground access boxes shall be appropriately identified with "water" cast into the cap and be color coded.

A minimum of 2 ft. of excess/slack wire is required in all trace wire access boxes after meeting final elevation.

All trace wire access boxes must include a manually interruptible conductive/connective link between the terminal(s) for the trace wire connection and the terminal for the grounding anode wire connection.

Grounding anode wire shall be connected to the identified (or bottom) terminal on all access boxes.

For service laterals on public property, trace wire must terminate at an approved grade level/in-ground trace wire access box, located at the edge of the road right-of-way, and out of the roadway.

For service laterals on private property, trace wire must terminate at an approved above-ground trace wire access box, affixed to the building exterior directly above where the utility enters the building, at an elevation not greater than 5 vertical feet above finished grade, or terminate at an approved grade level/in-ground trace wire access box, located within 2 linear feet of the building being served by the utility.

For hydrants, trace wire must terminate at an approved above-ground trace wire access box, properly affixed to the hydrant grade flange. (affixing with tape or plastic ties shall not be acceptable).

For long-runs, more than 500 linear feet without service laterals or hydrants, trace wire access must be provided utilizing an approved grade level/in-ground trace wire access box, located at the edge of the road right-of-way, and out of the roadway. The grade level/in-ground trace wire access box shall be delineated using a minimum 48" polyethylene marker post, color coded per APWA standard for the specific utility being marked.

Trace wire must be properly grounded at all dead ends/stubs.

Grounding of trace wire shall be achieved by use of a drive-in magnesium grounding anode rod with a minimum of 20ft of #14 red HDPE insulated copper clad steel wire connected to anode (minimum 0.5 lb.) specifically manufactured for this purpose and buried at the same elevation as the utility.

When grounding the trace wire at dead ends/stubs, the grounding anode shall be installed in a direction 180 degrees opposite of the trace wire, at the maximum possible distance.

When grounding the trace wire in areas where the trace wire is continuous and neither the mainline trace wire or the grounding anode wire will be terminated at/above grade, install grounding anode directly beneath and in-line with the trace wire. Do not coil excess wire from grounding anode. In this installation method, the grounding anode wire shall be trimmed to an appropriate length before connecting to trace wire with a mainline to lateral lug connector.

Where the anode wire will be connected to a trace wire access box, a minimum of 2 ft. of excess/slack wire is required after meeting final elevation.

The following products have been deemed acceptable and appropriate. These products are a guide only to help you choose the correct applications for your tracer wire project.

Trace Wire:

- Copper clad Steel (CCS) trace wire
- Open Trench and Directional Drilling/Boring - Copperhead Extra High Strength part # 1045*EHS
- Pipe Bursting/Slip Lining – Copperhead SoloShot Extreme Strength 7 x 7 Stranded part # PBX-50

Connectors:

- Copperhead 3-way locking connector part # LSC1230*
- DryConn 3- way Direct Bury Lug: Copperhead Part # 3WB-01

Termination/Access Box:

- Non-Roadway access boxes applications at valve boxes, curb stop boxes, and fire hydrants: Trace wire access boxes Grade level Copperhead adjustable lite duty Part # LD14*TP
- Concrete / Driveway access box applications at valve boxes and curb stop boxes: Trace wire access boxes Grade level Copperhead Part # CD14*TP 14"
- At water service line entrance to building: Trace wire access box above ground 2 terminals with jumper – 1 tracer wire connection plus 1 ground connection. Copperhead part #T2-* with T3-STAKE

Grounding:

- Drive in Magnesium Anode: Copperhead Part # ANO-1005 (1.5 lb)

The following products and methods **shall not** be allowed or acceptable

- Uninsulated trace wire
- Trace wire insulations other than HDPE
- Trace wires not domestically manufactured
- Non locking, friction fit, twist on or taped connectors
- Brass or copper ground rods
- Wire connections utilizing taping or spray-on waterproofing
- Looped wire or continuous wire installations, that has multiple wires laid side-by-side or in close proximity to one another
- Trace wire wrapped around the corresponding utility
- Brass fittings with trace wire connection lugs
- Wire terminations within the roadway, i.e. in valve boxes, cleanouts, manholes, etc.
- Connecting trace wire to existing conductive utilities
- Installing trace wire inside valve box or stop box

c. Construction. Trace wire installation shall be performed in such a manner that allows proper access for connection of line tracing equipment, proper locating of wire without loss or deterioration of low frequency (512Hz) signal for distances in excess of 1,000 linear feet, and without distortion of signal caused by multiple wires being installed in close proximity to one another.

Trace wire systems must be installed as a single continuous wire, except where using approved connectors. No looping or coiling of wire is allowed.

Any damage occurring during installation of the trace wire must be immediately repaired by removing the damaged wire, and installing a new section of wire with approved connectors. Taping and/or spray coating shall not be allowed.

Trace wire shall be installed at the bottom half of the pipe and secured (taped/tied) at 5' intervals.

Trace wire must be properly grounded as specified.

Trace wire on all service laterals/stubs must terminate at an approved trace wire access box located directly above the utility, at the edge of the road right-of-way, but out of the roadway.

At all mainline dead-ends, trace wire shall go to ground using an approved connection to a drive-in magnesium grounding anode rod, buried at the same depth as the trace wire.

Mainline trace wire shall not be connected to existing conductive pipes. Treat as a mainline dead-end, ground using an approved waterproof connection to a grounding anode buried at the same depth as the trace wire.

All service lateral trace wires shall be a single wire, connected to the mainline trace wire using a mainline to lateral lug connector, installed without cutting/splicing the mainline trace wire.

In occurrences where an existing trace wire is encountered on an existing utility that is being extended or tied into, the new trace wire and existing trace wire shall be connected using approved splice connectors and shall be properly grounded at the splice location as specified.

A mainline trace wire must be installed, with all service lateral trace wires properly connected to the mainline trace wire, to ensure full tracing/locating capabilities from a single connection point.

Lay mainline trace wire continuously, by-passing around the outside of valves and fittings on the North or East side.

Trace wire on all water service laterals must terminate at an approved trace wire access box color coded blue and located directly above the service lateral at the edge of road right of way. Trace wire box must be visible above ground.

Above-ground tracer wire access boxes will be installed on all fire hydrants.

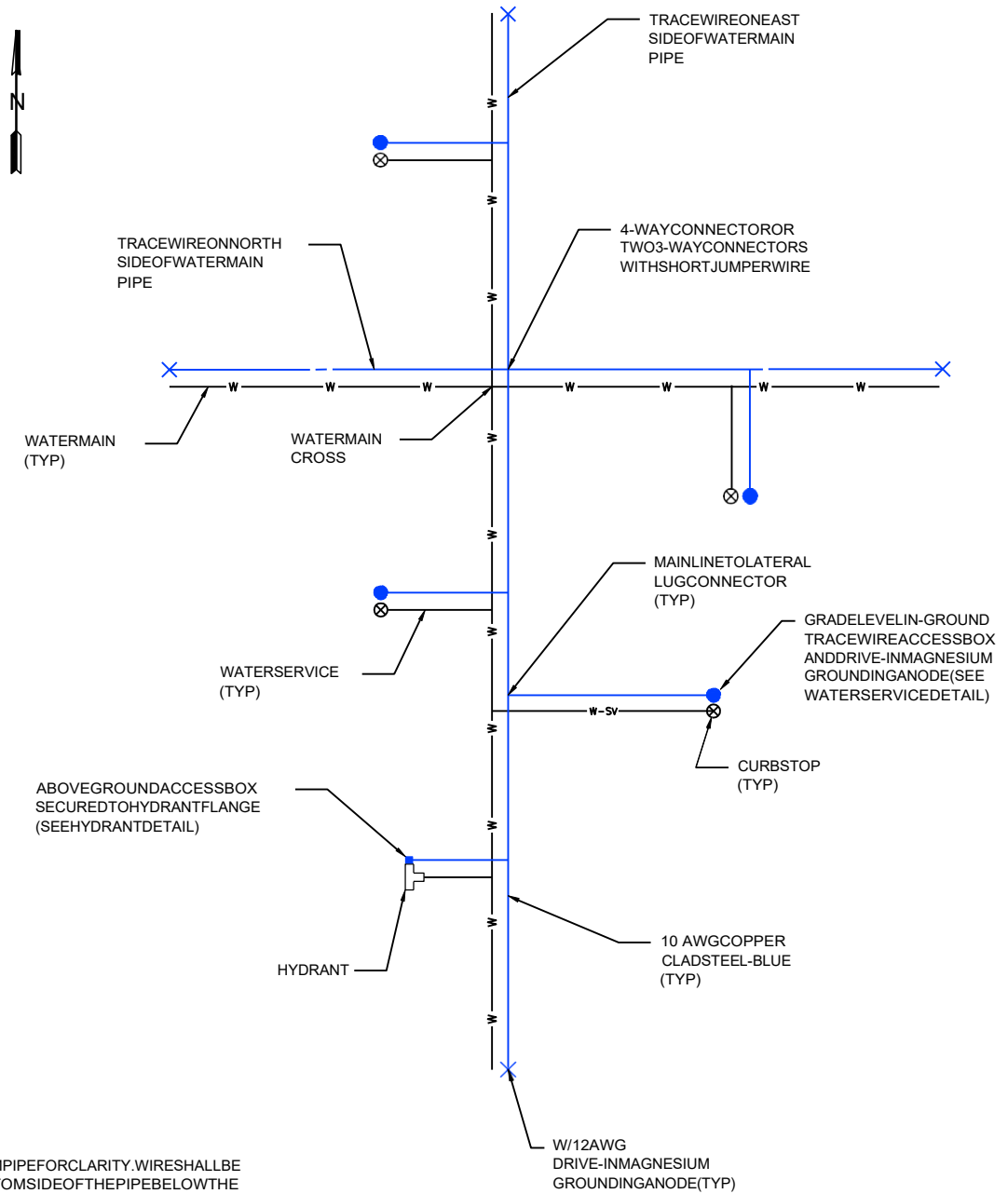
All conductive and non-conductive service lines shall include tracer wire.

All new trace wire installations shall be located using typical low frequency (512Hz) line tracing equipment, witnessed by the contractor, engineer and facility owner as applicable, prior to acceptance of ownership.

This verification shall be performed upon completion of rough grading and again prior to final acceptance of the project.

Continuity testing in lieu of actual line tracing shall not be accepted.

d. Measurement and Payment. All equipment, material, and labor required to install trace wire shall not be paid for separately but will be included in the costs for water main pay items.



NOTES:

1. WIRES SHOWN AWAY FROM PIPE FOR CLARITY. WIRES SHALL BE INSTALLED ON THE BOTTOM SIDE OF THE PIPE BELOW THE SPRING LINE. THE WIRES SHALL BE FASTENED TO THE PIPE WITH TAPE OR PLASTIC TIES AT 5' INTERVALS.

TRACE WIRE PLAN (WATER)

NOSCALE

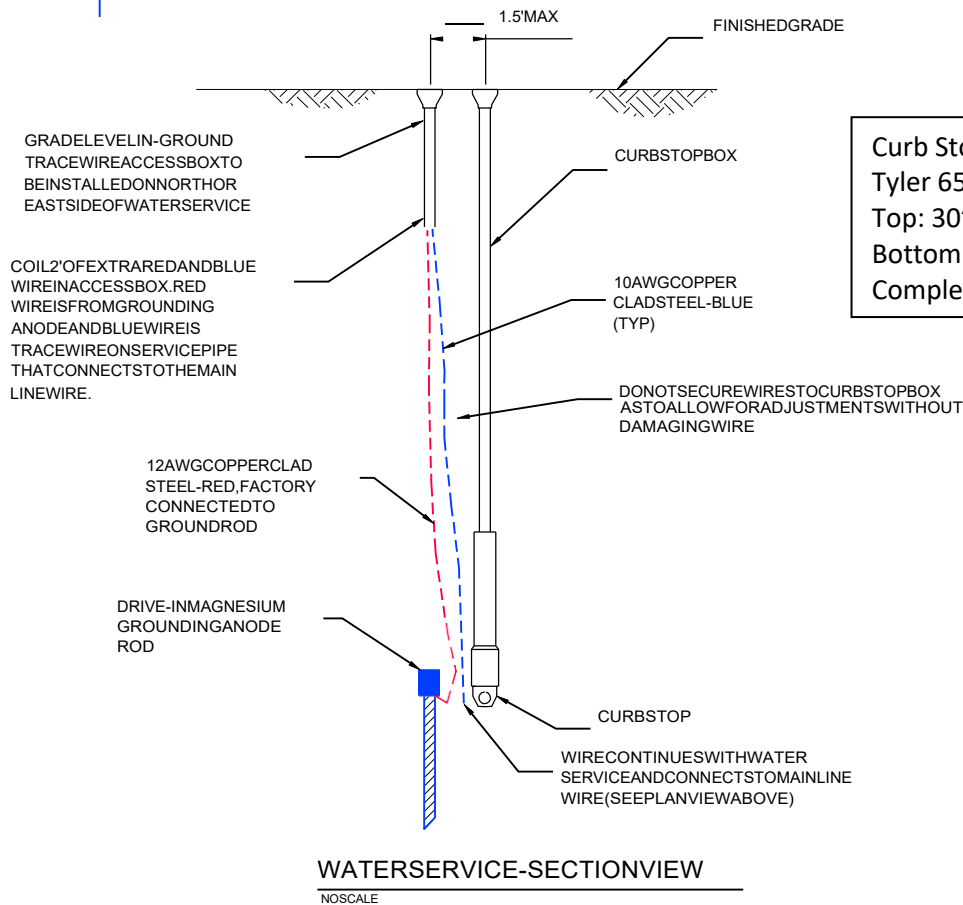
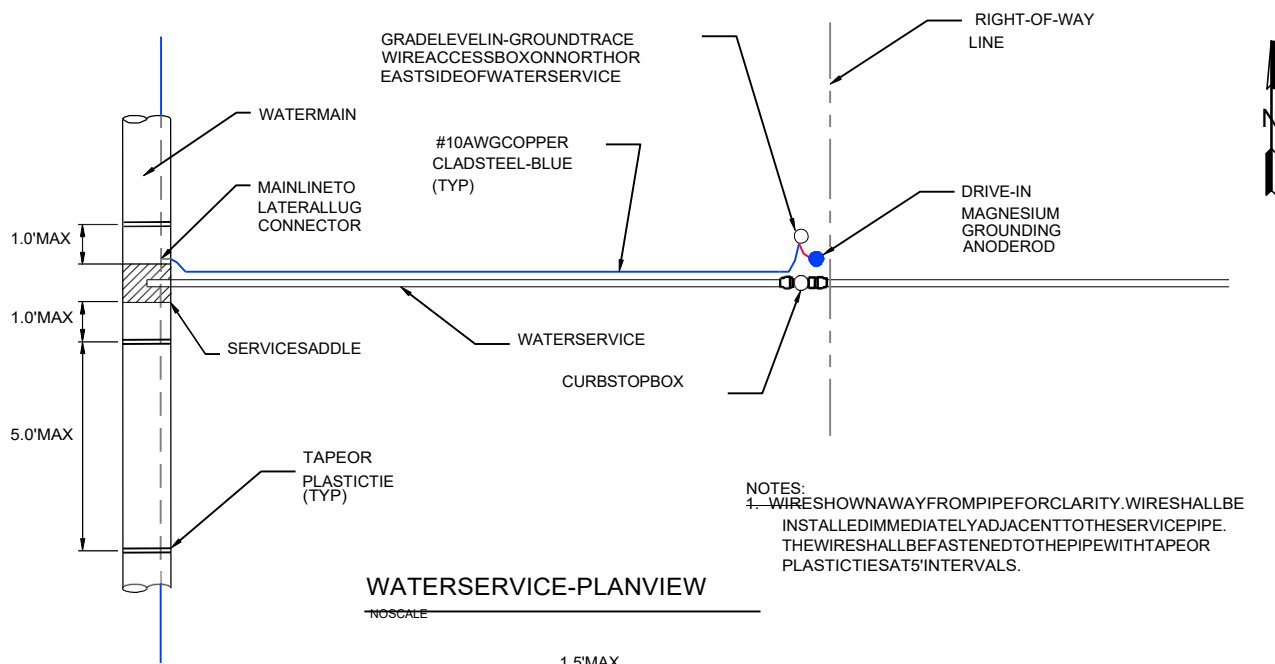
MICHIGAN RURAL WATER ASSOCIATION
STANDARD DETAIL



TRACE WIRE
SAMPLE WATER PLAN

May, 2022
6 of 8

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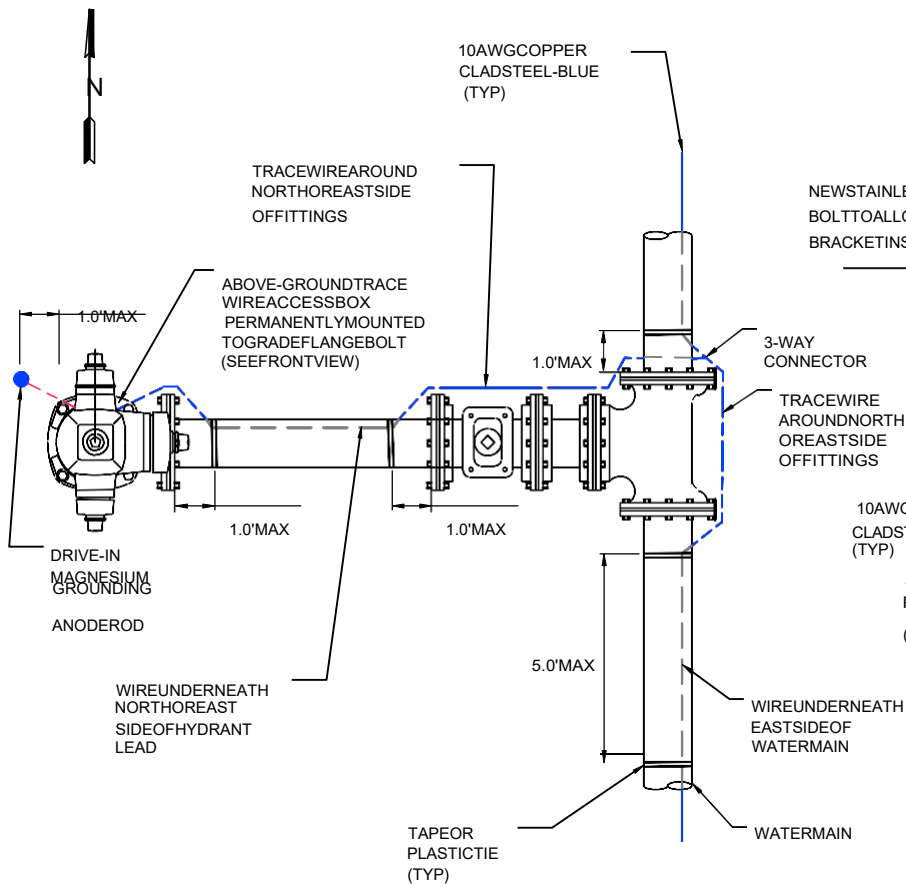


Curb Stop Box Assembly:
 Tyler 6500 Domestic Series
 Top: 30" Top w/ lid #147763
 Bottom: 39" Base #147763
 Complete Unit: #147251



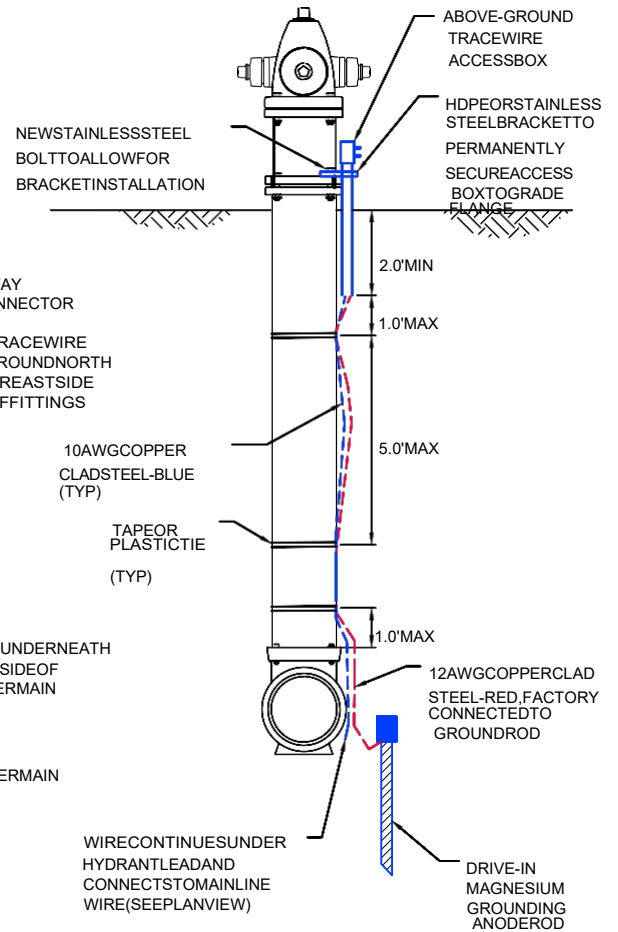
MICHIGAN RURAL WATER ASSOCIATION
STANDARD DETAIL

TRACEWIRE
WATER SERVICE
DETAIL May, 2022
7 of 8



HYDRANT-PLAN VIEW

NOSCALE



HYDRANT-SECTION VIEW

NOSCALE



MICHIGAN
RURAL WATER ASSOCIATION
STANDARD DETAIL 8 of 8

TRACE WIRE
HYDRANT DETAIL

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CITY OF OWOSSO
SPECIAL PROVISION
FOR
WATER METER PIT, REM

City of Owosso/GC

1 of 1

April, 2020

a. Description. Work consists of removing existing meter pits as required in the Contract Documents and as directed by the City of Owosso and Engineer. This work includes furnishing all labor, equipment, and material required for the excavation, removal, salvaging, disposal of removed materials, backfilling, and all related work necessary to complete the water meter pit removal.

b. Materials. The City of Owosso shall have right of refusal on all meter pit materials. All other material shall be properly disposed of off site by the Contractor.

c. Construction. The City of Owosso will remove the meter and meter transmission unit (MTU) from the existing meter pit and reinstall in the new meter pit. The Contractor shall not remove or handle the existing water meter or the meter transmission unit.

Remove all portions of the existing meter pit once the new meter pit is installed and in service. The City of Owosso will inspect and advise on the materials desired to be salvaged during the removal of the existing meter and meter transmission unit. Salvaged materials will be picked up on site by the City of Owosso.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following contract pay item:

Pay Item	Pay Unit
Water Meter Pit, Rem	Each

Water Meter Pit, Rem will be measured in place by the unit Each and will be paid for at the contract unit price per Each. The unit price shall include coordinating meter removal and installation with City of Owosso; excavation; removal and disposal; providing, placing, and compacting backfill; and salvaging existing materials as directed.

Installation of new or replacement meter pit shall be paid for as Install Meter Pit, Complete.

CITY OF OWOSSO
SPECIAL PROVISION
FOR
INSTALL METER PIT, COMPLETE

City of Owosso/GC

1 of 2

January 2025

a. Description. Work consists of the installation of a new water meter pit or replacement of an existing water meter pit, as required in the Contract Documents and as directed by the City of Owosso and Engineer. This work includes furnishing all labor and equipment required for the excavation, installation, backfilling, and all related work necessary to complete the water meter pit installation.

b. Materials. Water meter pit materials are identified on the Typical Meter Pit Detail on the following page. The City of Owosso will provide all new materials for the installation of the meter pits. Contractor shall claim the value of materials on their taxes and shall pay a 6% use tax on the value of the materials.

c. Construction. Water meter pits are to be installed in lawn areas that are not subject to vehicular traffic. Construct meter pit in accordance with the Typical Meter Pit Detail. The City of Owosso will pull the existing meter from the meter pit to be removed and reinstall the meter in the new pit. The Contractor shall not handle or install the water meter or the meter transmission unit (MTU).

The City of Owosso may assist with the installation of meter pits.

Existing meter pits may be eliminated with the meter being reinstalled inside the dwelling if determined feasible by the City of Owosso. All meter installs will be completed by the City.

d. Measurement and Payment. The completed work, as described, will be measured and paid for at the contract unit price using the following contract pay item:

Pay Item	Pay Unit
Install Meter Pit, Complete	Each

Install Meter Pit, Complete will be measured in place by the unit Each and will be paid for at the contract unit price per Each. The unit price shall include verifying location of existing water service; notification of temporary service disruption; coordinating meter install with City of Owosso; picking up new materials from City of Owosso; excavation; bedding, installing meter pit; providing, placing, and compacting backfill; disposal of excess material; and adjustment of meter pit to finished grade. Materials shall be provided by City of Owosso at no charge to Contractor.

Removal of existing meter pit shall be paid for as Water Meter Pit, Rem.

TYPICAL METER PIT DETAIL

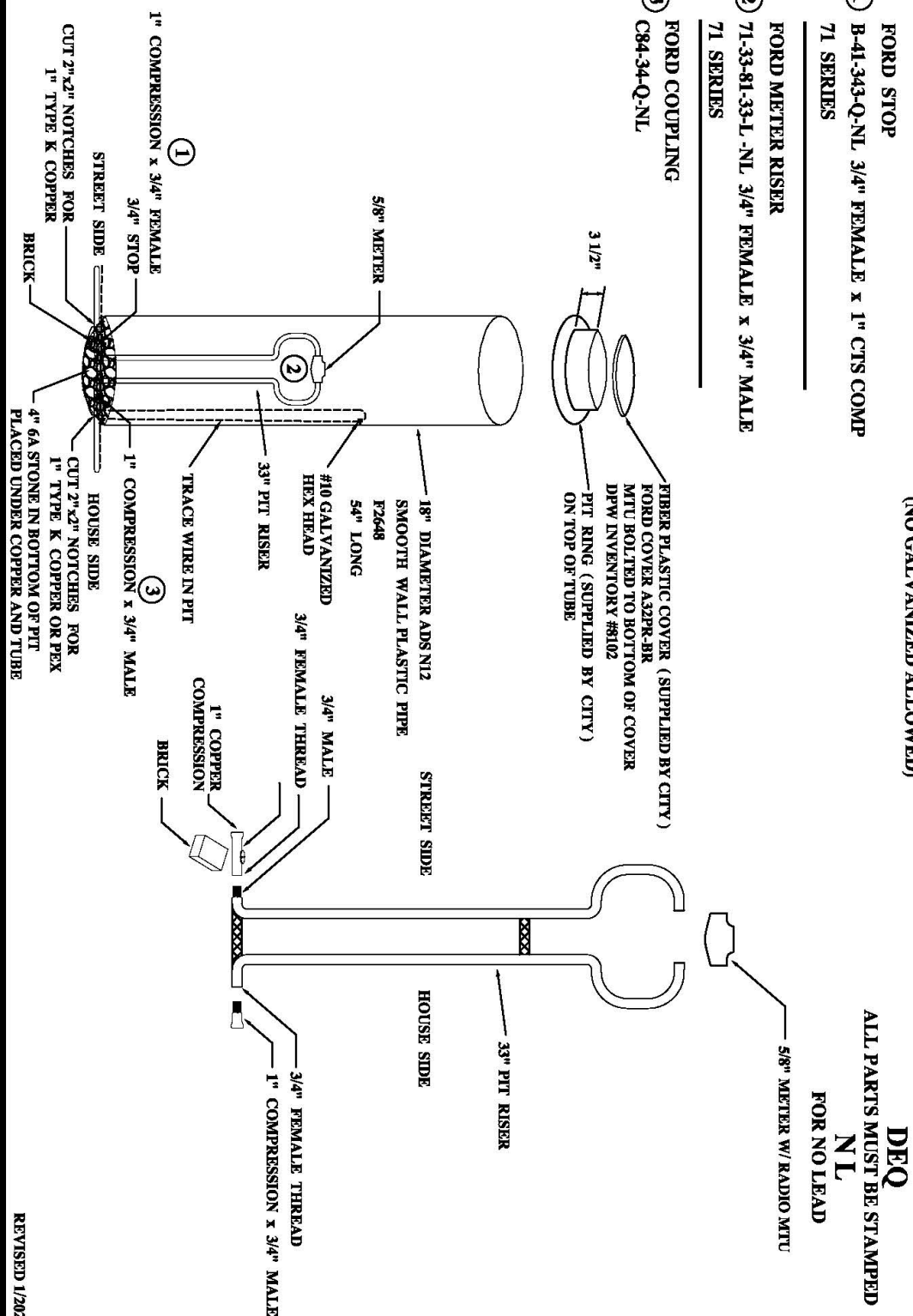
NOT TO SCALE

**1" COPPER: MAIN TO STOP 1" COOPER OR PEX: STOP TO HOUSE
(NO GALVANIZED ALLOWED)**

FORD STOP
① B-41-343-Q-NL 3/4" FEMALE x 1" CTS COMP
71 SERIES

FORD METER RISER
② 71-33-81-33-L -NL 3/4" FEMALE x 3/4" MALE
71 SERIES

③ FORD COUPLING C84-34-Q-NL



REVISIED 1/2025

TYPICAL HORIZONTAL IN LINE METER DETAIL

NOT TO SCALE

(NO GALVANIZED ALLOWED)

1" METER INSTALL
DOES NOT NEED REDUCER

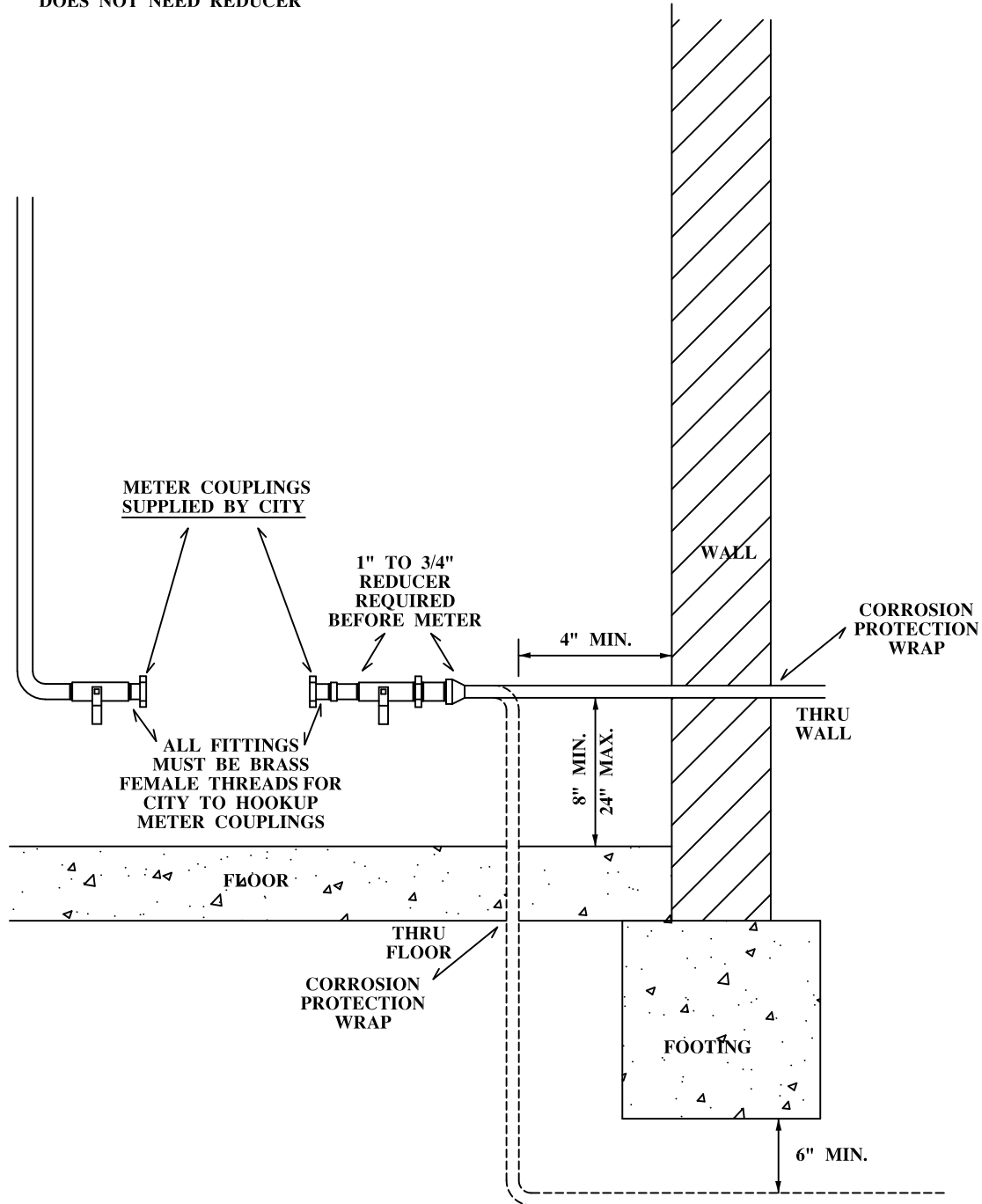


FIGURE 1a

RESIDENTIAL 1" WATER SERVICE FOR 5/8", 3/4", OR 1" METER

REVISED 1/2025

TYPICAL VERTICAL IN LINE METER DETAIL

NOT TO SCALE

(NO GALVANIZED ALLOWED)

1" METER INSTALL
DOES NOT NEED REDUCER

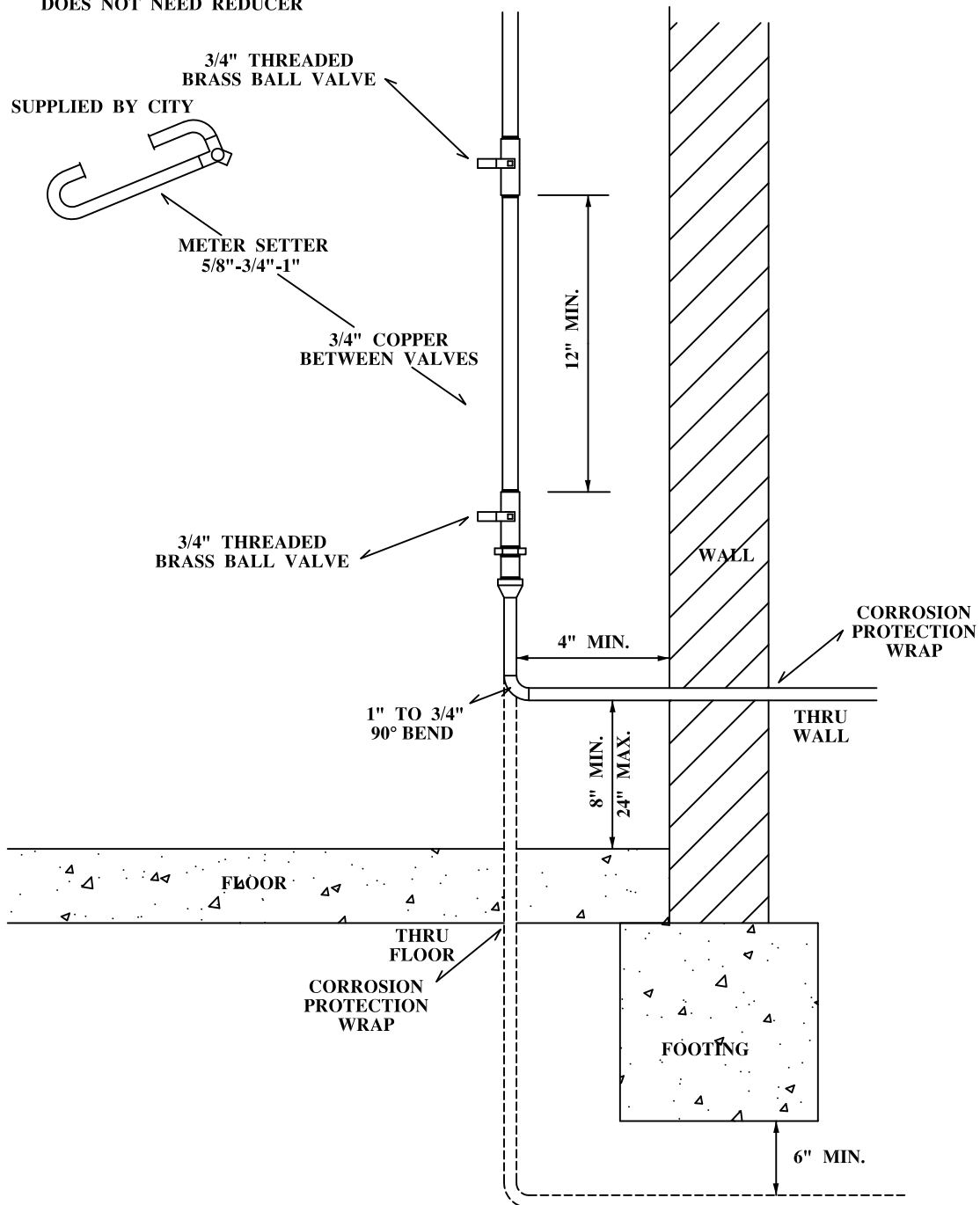
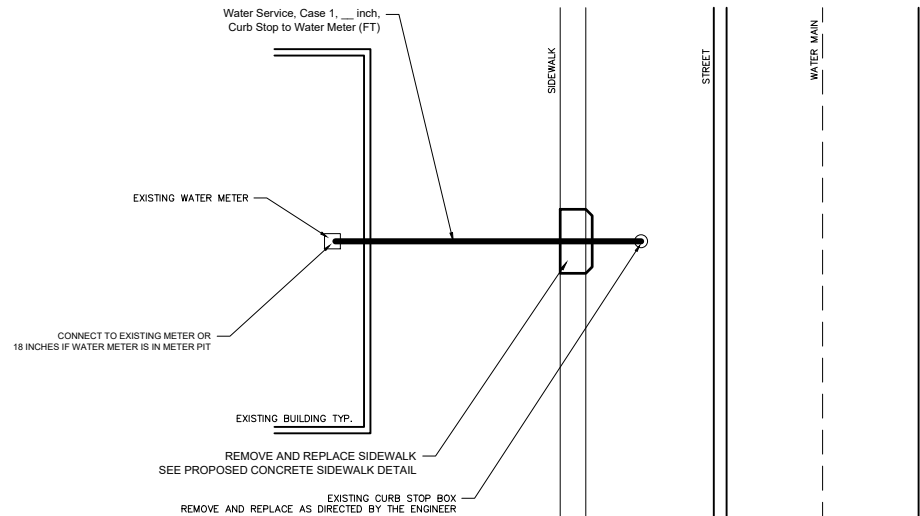


FIGURE 1b
RESIDENTIAL 1" WATER SERVICE FOR 5/8", 3/4", OR 1" METER

REVISED 1/2025

CASE #1 TYP. - CURB STOP TO WATER METER



NOTES:

1.) EXCAVATE AT EXISTING CURB STOP BOX A MINIMUM OF 2 FEET IN EACH DIRECTION. REMOVE AND REPLACE CURB STOP VALVE AS DIRECTED BY THE ENGINEER.

2.) SAWCUT/REMOVE 10 FEET OF EXISTING SIDEWALK, PAID FOR AS Sidewalk, Rem. CONTRACTOR SHALL MAINTAIN THE AREA WITH MAINTENANCE GRAVEL UNTIL NEW CONCRETE CAN BE POURED. COST FOR MAINTENANCE GRAVEL SHALL BE INCIDENTAL TO THE PROJECT AND NOT PAID FOR SEPARATELY.

3.) THE CONTRACTOR SHALL USE TRENCHLESS METHODS TO INSTALL NEW WATER SERVICE LINE (CABLE METHOD OR BORING METHOD). IF THESE METHODS FAIL, THE SERVICE LINE SHALL BE PLACED IN AN OPEN TRENCH.

4.) FAILED ATTEMPTS AT TRENCHLESS INSTALLATION (CABLE OR BORE) SHALL BE PAID FOR AS Failed Attempt - Trenchless.

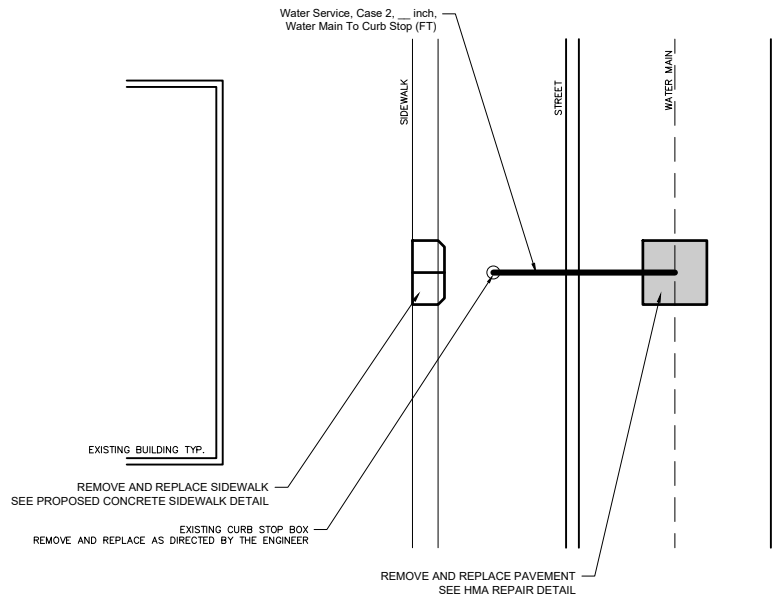
5.) THE NEW WATER SERVICE LINE SHALL EXTEND TO THE EXISTING WATER METER OR 18 INCHES INSIDE THE BUILDING IF WATER METER IS IN METER PIT. SHUT OFF VALVES SHALL BE INSTALLED WHERE NEEDED. COST SHALL BE INCLUDED WITH THE WATER SERVICE PAY ITEM AND NOT PAID FOR SEPARATELY.

6.) ALL NON-PAVED DISTURBED AREAS SHALL BE RESTORED WITH TURF. COST SHALL BE INCLUDED IN THE WATER SERVICE LINE PAY ITEM AND NOT PAID FOR SEPARATELY.

CITY OF OWOSSO 2025 WATER SERVICE LINE IDENTIFICATION PROJECT
EGLE TMF GRANT
CASE #1 DETAILS



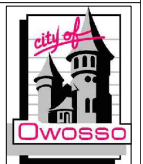
CASE #2 TYP. - WATER MAIN TO CURB STOP



NOTES:

- 1.) EXCAVATE AT EXISTING CURB STOP BOX A MINIMUM OF 2 FEET IN EACH DIRECTION. REMOVE AND REPLACE CURB STOP VALVE AS DIRECTED BY THE ENGINEER.
- 2.) SAWCUT/REMOVE 10 FEET OF EXISTING SIDEWALK, PAID FOR AS Sidewalk, Rem. CONTRACTOR SHALL MAINTAIN THE AREA WITH MAINTENANCE GRAVEL UNTIL NEW CONCRETE CAN BE POURED. COST FOR MAINTENANCE GRAVEL SHALL BE INCIDENTAL TO THE PROJECT AND NOT PAID FOR SEPARATELY.
- 3.) SAWCUT/REMOVE PAVEMENT OVER EXISTING WATERMAIN, PAID FOR AS HMA, Rem. CONTRACTOR SHALL MAINTAIN THE AREA WITH MAINTENANCE GRAVEL UNTIL NEW PAVEMENT CAN BE PLACED. COST FOR MAINTENANCE GRAVEL SHALL BE INCIDENTAL TO THE PROJECT AND NOT PAID FOR SEPARATELY. ADDITIONAL QUANTITY FOR CURB REMOVAL AND REPLACEMENT ARE INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER.
- 4.) THE CONTRACTOR SHALL USE TRENCHLESS METHODS TO INSTALL NEW WATER SERVICE LINE (CABLE METHOD OR BORING METHOD). IF THESE METHODS FAIL, THE SERVICE LINE SHALL BE PLACED IN AN OPEN TRENCH.
- 5.) FAILED ATTEMPTS AT TRENCHLESS INSTALLATION (CABLE OR BORE) SHALL BE PAID FOR AS Failed Attempt - Trenchless.
- 6.) ALL NON-PAVED DISTURBED AREAS SHALL BE RESTORED WITH TURF. COST SHALL BE INCLUDED IN THE WATER SERVICE LINE PAY ITEM AND NOT PAID FOR SEPARATELY.

CITY OF OWOSSO 2025 WATER SERVICE LINE IDENTIFICATION PROJECT
EGLE TMF GRANT
CASE #2 DETAILS



CASE #3 TYP. - WATER MAIN TO WATER METER

NOTES:

1.) EXCAVATE AT EXISTING CURB STOP BOX A MINIMUM OF 2 FEET IN EACH DIRECTION. REMOVE CURB STOP BOX AND VALVE.

2.) SAWCUT/REMOVE 10 FEET OF EXISTING SIDEWALK, PAID FOR AS Sidewalk, Rem. CONTRACTOR SHALL MAINTAIN THE AREA WITH MAINTENANCE GRAVEL UNTIL NEW CONCRETE CAN BE POURED. COST FOR MAINTENANCE GRAVEL SHALL BE INCIDENTAL TO THE PROJECT AND NOT PAID FOR SEPARATELY.

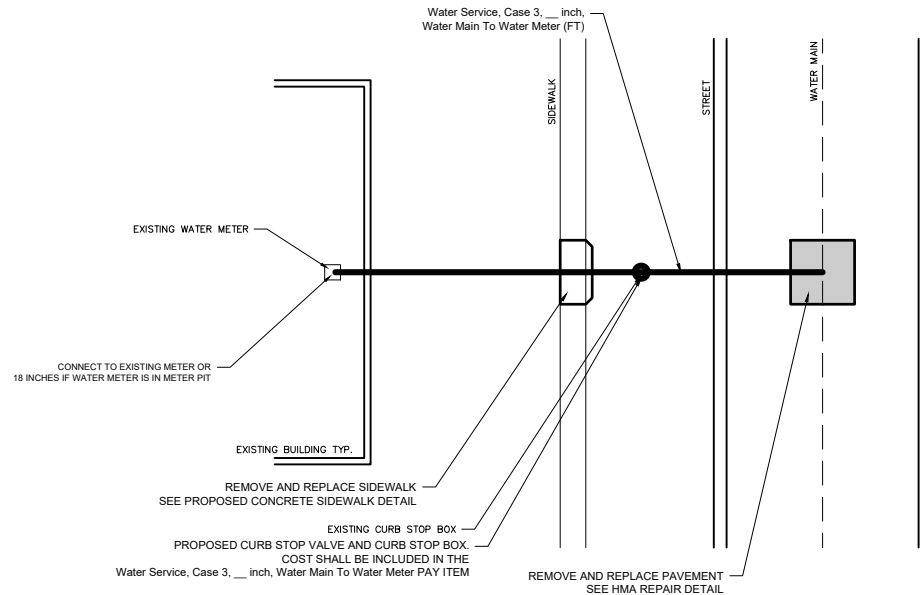
3.) SAWCUT/REMOVE PAVEMENT OVER EXISTING WATERMAIN, PAID FOR AS HMA, Rem. CONTRACTOR SHALL MAINTAIN THE AREA WITH MAINTENANCE GRAVEL UNTIL NEW PAVEMENT CAN BE PLACED. COST FOR MAINTENANCE GRAVEL SHALL BE INCIDENTAL TO THE PROJECT AND NOT PAID FOR SEPARATELY. ADDITIONAL QUANTITY FOR CURB REMOVAL AND REPLACEMENT ARE INCLUDED TO BE USED AS DIRECTED BY THE ENGINEER.

4.) THE CONTRACTOR SHALL USE TRENCHLESS METHODS TO INSTALL NEW WATER SERVICE LINE (CABLE METHOD OR BORING METHOD). IF THESE METHODS FAIL, THE SERVICE LINE SHALL BE PLACED IN AN OPEN TRENCH.

5.) FAILED ATTEMPTS AT TRENCHLESS INSTALLATION (CABLE OR BORE) SHALL BE PAID FOR AS Failed Attempt - Trenchless.

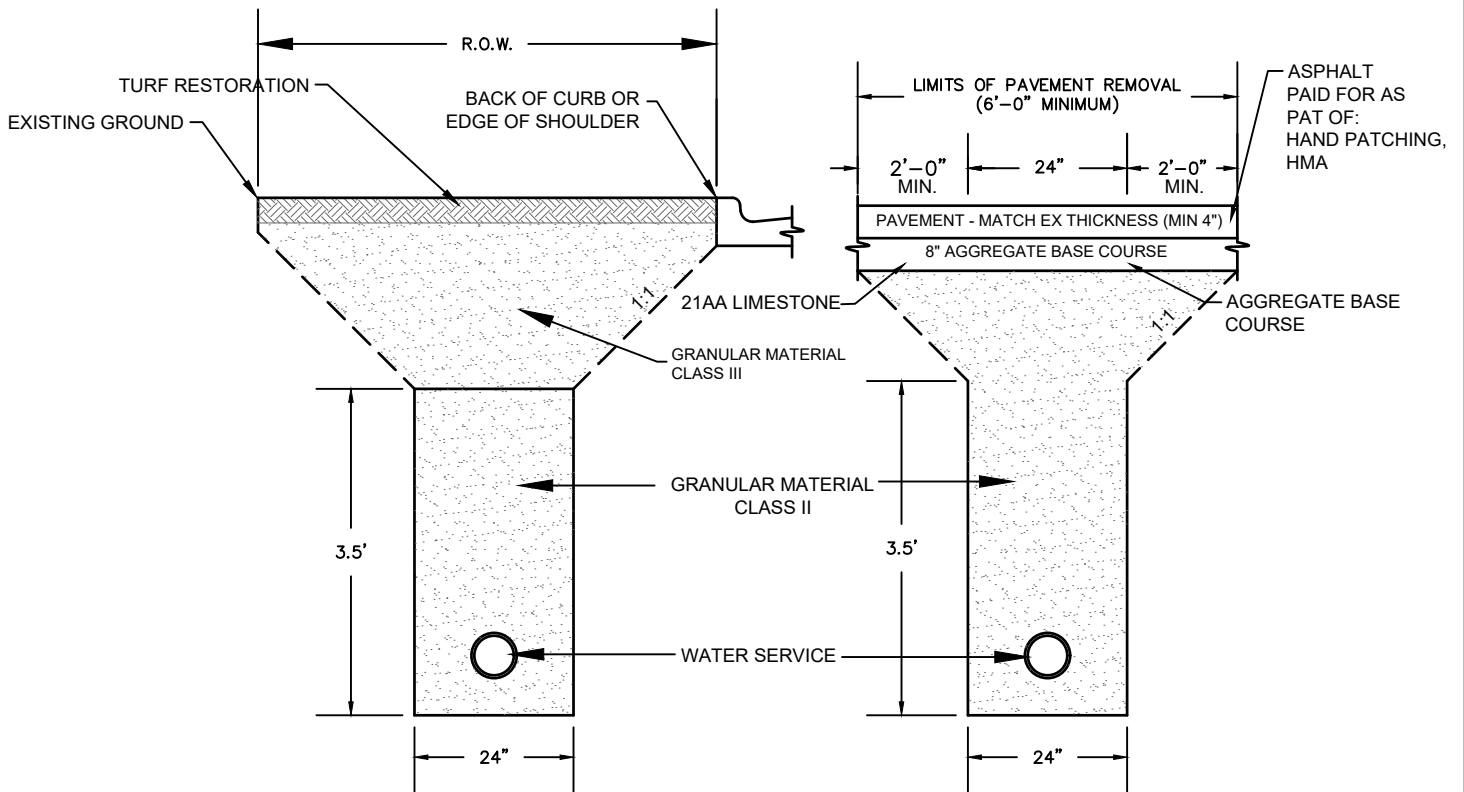
6.) THE NEW WATER SERVICE LINE SHALL EXTEND TO THE EXISTING WATER METER OR 18 INCHES IF WATER METER IS IN METER PIT. SHUT OFF VALVES SHALL BE INSTALLED WHERE NEEDED. COST SHALL BE INCLUDED WITH THE WATER SERVICE PAY ITEM AND NOT PAID FOR SEPARATELY.

7.) ALL NON-PAVED DISTURBED AREAS SHALL BE RESTORED WITH TURF. COST SHALL BE INCLUDED IN THE WATER SERVICE LINE PAY ITEM AND NOT PAID FOR SEPARATELY.

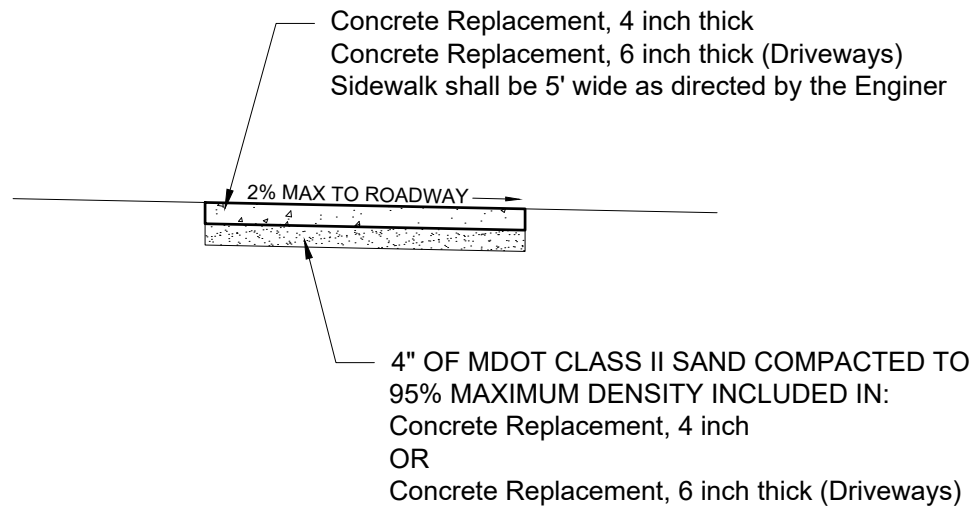


CITY OF OWOSSO 2025 WATER SERVICE LINE IDENTIFICATION PROJECT
EGLE TMF GRANT
CASE #3 DETAILS





TRENCH BACKFILL DETAIL 'G'
TYPICAL WATER SERVICE LINE
UNDER ROADBED AND/OR WITHIN INFLUENCE OF
ROADBED, DRIVEWAY, OR SIDEWALK, OR
LOCATED WITHIN THE ROAD RIGHT-OF-WAY
OR IN LAWN AREA



PROPOSED CONCRETE DETAIL - NOT TO SCALE