

City of Healdsburg



Addendum

Date:	Thursday, February 22, 2024
Project Name:	CIP 01-024 Municipal Recycled Water Pipeline Project Project WA004
Addendum No.	1
Issued To:	All plan holders

The following changes are hereby made to the contract documents:

ITEM 1: REPLIES TO BIDDERS QUESTIONS

1.1 Where can we find the frequency of confirmation testing?

Response: The testing frequencies are indicated in the section for the various materials (grout, backfill grout, concrete, etc.). The frequency for compaction testing is indicated in the Trenching Section and clarified in this Addendum 1. Testing of AC testing and concrete testing are clarified in this Addendum 1.

1.2 Is the Railroad Active in the SMART ROW shown on C108? If so, what is the current schedule of activity?

Response: The rails are not currently used by the railroad company.

1.3 Does the City have a disposal site for the trench and pit soil excavation?

Response: Please refer to Section 02320.3.14.C. "A spoils disposal area has not been identified for this project. It is Contractor's responsibility to identify spoils disposal areas and to negotiate all agreements necessary and pay all costs to dispose of spoils."

1.4 What are the fees for the Caltrans Permit? Are these fees to be included in our bid price? Or are they paid and/or reimbursed by the City?

Response: Any additional Caltrans permit fees, if any, will be paid by the City.

1.5 What are the fees for the SMART ROE? Are these fees to be included in our bid price? Or are they paid and/or reimbursed by the City? The SMART ROE Permit Application notes \$300 application fee and \$1,000 permit fee.

Response: Per Section 01410.1.03.C. "Contractor shall fill out and submit the application for entry permit form, prepare traffic control plans (if applicable), and pay all fees.."

1.6 P. 25 states full insurance shall be maintained for 5 years after completion of project. P. 73 states 2 years.

Response: Intent is for insurance to be maintained for two years. Please refer to Item 2.1 of this Addendum 1. .

- 1.7
1. Who is responsible for the wiring and electrical hook up work for the Bulk Fill Station?
 2. Are all of the joints in the 4" & 12" C900 PVC water main required to be restrained?
 3. Per sheet C-104, in the upper left hand corner both the Sonoma County and City of Healdsburg jurisdictions are noted to be on the same location. Please confirm the location of the City and County jurisdictions at this location.

Response:

1. ***Section 11125.1.01.b directs the Contractor to furnish, install and place into operation a complete station for dispensing bulk water. City will furnish and install the power cables from the pole through the Contractor-installed conduit. The City will connect to the power cables to the circuit breaker to be furnished and installed by the Contractor. The circuit breaker and all electrical on the load side of the breaker shall be by the Contractor.***
2. ***Per Section 02449, PVC carrier pipe in the casing shall be restrained. Per Section 15143.2.01.B.1.b, restrained joints are required ductile iron fittings. Per Drawings Sheet G-02, note 35.f, thrust blocks are also required at bends, tees, crosses, reducers, dead ends, valves, hydrants, etc.***
3. ***The indication for City of Healdsburg should be at the north side of the line. Kennedy lane is entirely in City of Healdsburg jurisdiction.***

- 1.8
1. What is the bond percentage required ?
 2. What is liquidated damages penalty per day if any ?
 3. Warranty period ?
 4. Contract required days to complete ?

5. Can you forward a copy of the bidders list?

Response:

1. *Per BID BOND on page 15, the Bid Bond shall be equal to ten percent (10%) of the total bid price.*
2. *Per Section 7 – Prosecution and Progress of the Work. paragraph 7-1.01 Liquidated Damages, seventh line, liquidated damages are identified at \$2,500 per day.*
3. *Per Section 8-Contractor Responsibilities, paragraph 8-1.13, “Guaranty. The Contractor guarantees all of the Work for one year from the date the City accepts the Work.”*
4. *Per page 13 and page 34, the Contract shall be completed in 412 calendar days.*
5. *Plan holders list can be found on the project web page on the City’s website: <https://healdsburg.gov/bids.aspx?bidID=215>*

ITEM 2 AMENDMENTS TO THE CONTRACT DOCUMENTS

2.1 On page 25, to ACKNOWLEDGEMENT OF INDEMNITY AND INSURANCE REQUIREMENTS, Insurance paragraph a. sixth line, **REVISE the words** “...for a minimum of five years following...” **to read**

“...for a minimum of two (2) years following...”

2.2 On page 60, to Section 3-1.10 Materials Testing, first paragraph, first sentence, **REVISE the words** “Materials will be tested by the City of Healdsburg or its authorized agents, following Caltrans Standard Specifications.” **to read**

“Materials shall be tested by the Contractor or its authorized representative, following these Specifications, or where indicated the Caltrans Standard Specifications.”

2.3 On page 02320-11, to Section 02320 TRENCHING, paragraph 3.13. **REPLACE subparagraph C** as follows:

“C. Backfill Compaction Demonstration.

1. **Contractor shall provide testing at the launch and receiving pits for the trenchless work, and at the trench frequency indicated in paragraph 3.15 of this Section of these Specifications.**

2. **Compaction testing shall include confirmation of compaction in the pipe zone, lower and intermediate portions of the trench zone, and in the aggregate base structural section under pavements.**
3. **Bedding, backfill, and aggregate base material with compaction not in conformance with the Contract Documents shall be removed, replaced, and retested at no additional cost to the Contract. ”**
4. **Contractor shall have testing party on site for the first 300 feet of placing and compacting fill to confirm the contractor’s procedures, and at 300-foot intervals of placing and compacting backfill.**

2.4 On page 02953-3, to Section 02953 ASPHALT CONCRETE PAVEMENT SURFACE RESTORATION, paragraph 3.03.D, **ADD subparagraph 2** as follows:

“2. Conduct in-field nuclear density tests in accordance with ASTM D2950, D1561, CT 366, AASHTO T246, T247 at ten (10) testing locations at approximately 1,000-foot intervals. Exact locations will be as directed in the field by the Engineer.”

2.5 On page 03301-8, to Section 03301 CAST-IN-PLACE CONCRETE, paragraph 3.10.D, **REVISE the words “D. Slump tests and concrete cylinders will be made by the Owner. Owner will handle cured test cylinders, transport to the testing laboratory and pay testing costs.”** to read

“D. Slump tests and concrete cylinders shall be made by the Contractor. Contractor shall handle cured test cylinders, transport to the testing laboratory and pay testing costs.”

2.6 On Drawing G002, Note 35.f, , **REPLACE with the words**

“f. ALL PIPE BENDS, TEES, CROSSES, REDUCERS, DEAD ENDS AND VALVES SHALL HAVE THRUST BLOCKS. THE THRUST BLOCKS SHALL BE IN ACCORDANCE WITH CITY OF HEALDSBURG PUBLIC WORK STANDARD DETAIL WL10, AND DETAILS 27 AND 28 ON DRAWING NUMBER D109 AS APPLICABLE.”

2.7 On Drawing D109, **REPLACE this drawing with D109 attached to this Addendum 1.**

A copy of this addendum, signed by the bidder, must accompany all bids.

Authorized By



Tyler Kettmann Central Services Manager
City of Healdsburg

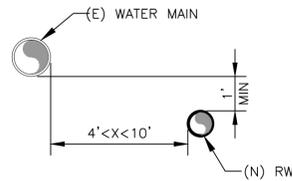
Accepted By Bidder

Name

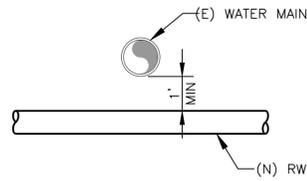
Company

NOTES:

- FOR PARALLEL CONSTRUCTION, RW MAIN SHALL BE A MIN OF 4' CLEAR FROM WATER MAIN. IF LESS THAN 10' CLEAR, RW SHALL BE INSTALLED A MINIMUM OF 1' BELOW WATER MAIN.
- RW CROSSING WATER SHALL BE A MINIMUM OF 1' BELOW WATER AND AT A MINIMUM 45° ANGLE.



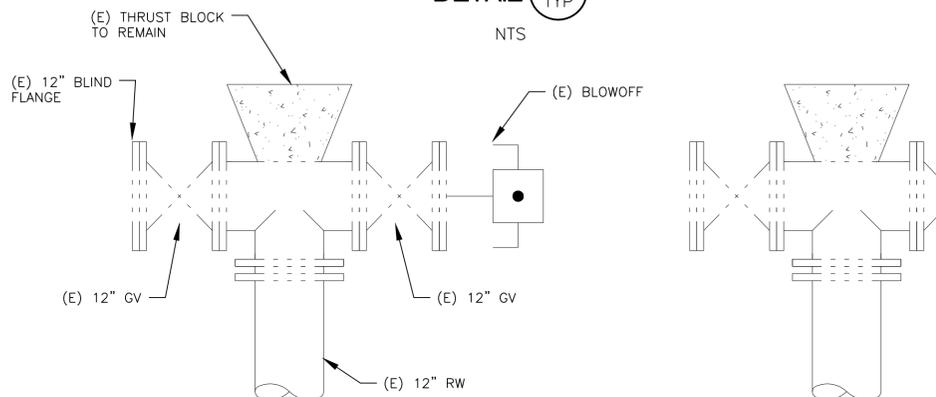
PARALLEL



CROSSING

RECYCLED WATER MAIN CONSTRUCTION NEAR POTABLE WATER

DETAIL 21 TYP NTS

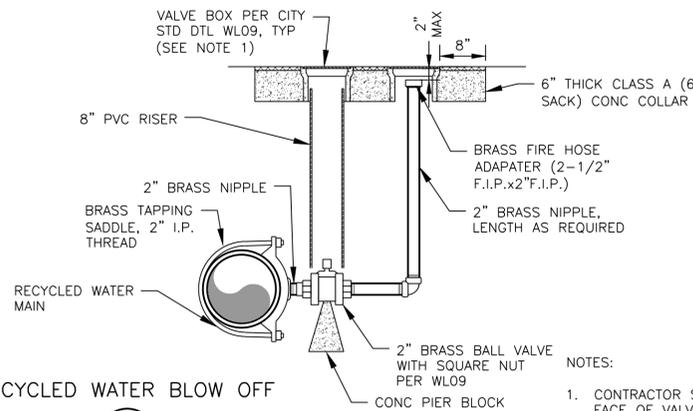


EXISTING PIPING

RECYCLED WATER MAIN CONNECTION

PROPOSED PIPING

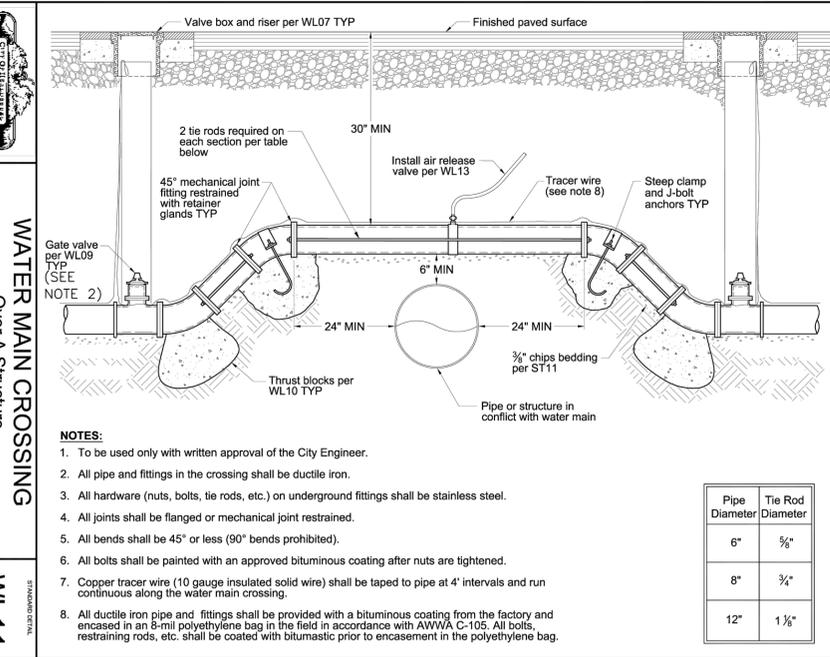
DETAIL 23 VAR NTS



2-INCH RECYCLED WATER BLOW OFF

DETAIL 26 NTS

- NOTES:
- CONTRACTOR SHALL WELD "RW BLOW OFF" ON FACE OF VALVE COVER.



WATER MAIN CROSSING Over A Structure WL11

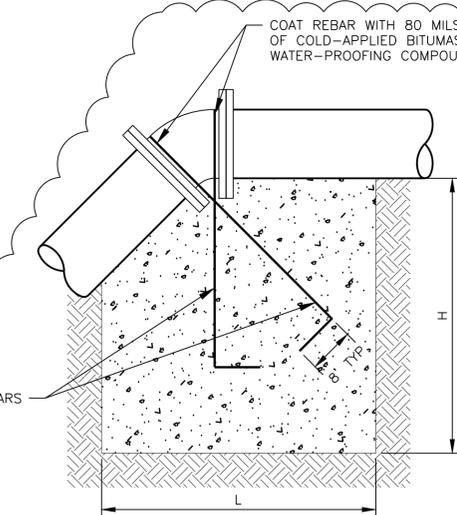
- NOTES:
- To be used only with written approval of the City Engineer.
 - All pipe and fittings in the crossing shall be ductile iron.
 - All hardware (nuts, bolts, tie rods, etc.) on underground fittings shall be stainless steel.
 - All joints shall be flanged or mechanical joint restrained.
 - All bends shall be 45° or less (90° bends prohibited).
 - All bolts shall be painted with an approved bituminous coating after nuts are tightened.
 - Copper tracer wire (10 gauge insulated solid wire) shall be taped to pipe at 4' intervals and run continuous along the water main crossing.
 - All ductile iron pipe and fittings shall be provided with a bituminous coating from the factory and encased in an 8-mil polyethylene bag in the field in accordance with AWWA C-105. All bolts, restraining rods, etc. shall be coated with bitumastic prior to encasement in the polyethylene bag.

Pipe Diameter	Tie Rod Diameter
6"	5/8"
8"	3/4"
12"	1 1/8"

CROSSING OVER UNFORSEEN UTILITY

DETAIL 24 TYP NTS

- NOTES:
- NO AS-BUILTS ARE AVAILABLE FOR THE EXISTING PIPING SHOWN. DRAWING IS BASED ON EXISTING VALVE BOXES IN FIELD. CONTRACTOR SHALL POTHOLE EXISTING RW FACILITIES TO DETERMINE PIPING CONFIGURATION AND CONFIRM NEEDED MATERIALS FOR CONNECTION. NOTIFY ENGINEER IF CONFIGURATION DIFFERS FROM WHAT IS SHOWN FOR ADDITIONAL DIRECTION.

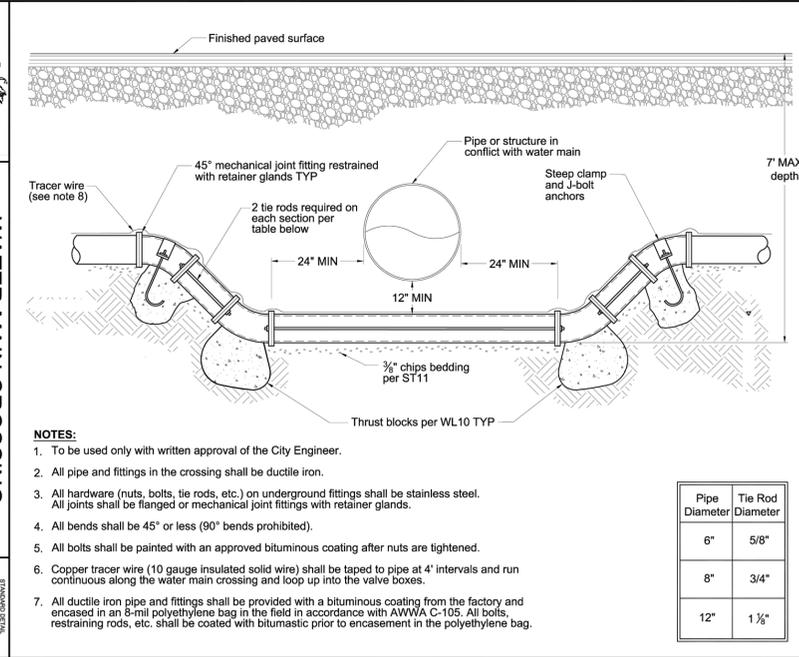


PIPE SIZE	22 1/2" BEND		45" BEND	
	L, H, W (IN)	VOLUME (CUBIC YARD)	L, H, W (IN)	VOLUME (CUBIC YARD)
4	26	0.4	32	0.7
12	53	3.2	67	6.4

- NOTES:
- LOWER VERTICAL THRUST BLOCKS SHALL BE PER CITY DETAIL WL10 AND DETAIL 27 AND 28 ON SHEET D109 AS APPLICABLE.

VERTICAL BEND ANCHOR BLOCK

DETAIL 27 NTS



WATER MAIN CROSSING Under A Structure WL12

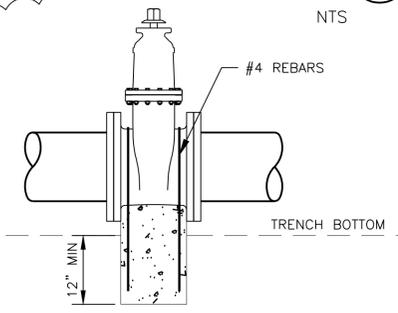
- NOTES:
- To be used only with written approval of the City Engineer.
 - All pipe and fittings in the crossing shall be ductile iron.
 - All hardware (nuts, bolts, tie rods, etc.) on underground fittings shall be stainless steel. All joints shall be flanged or mechanical joint fittings with retainer glands.
 - All bends shall be 45° or less (90° bends prohibited).
 - All bolts shall be painted with an approved bituminous coating after nuts are tightened.
 - Copper tracer wire (10 gauge insulated solid wire) shall be taped to pipe at 4' intervals and run continuous along the water main crossing and loop up into the valve boxes.
 - All ductile iron pipe and fittings shall be provided with a bituminous coating from the factory and encased in an 8-mil polyethylene bag in the field in accordance with AWWA C-105. All bolts, restraining rods, etc. shall be coated with bitumastic prior to encasement in the polyethylene bag.

Pipe Diameter	Tie Rod Diameter
6"	5/8"
8"	3/4"
12"	1 1/8"

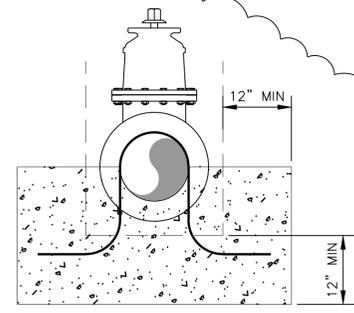
CROSSING UNDER UNFORSEEN UTILITY

DETAIL 25 TYP NTS

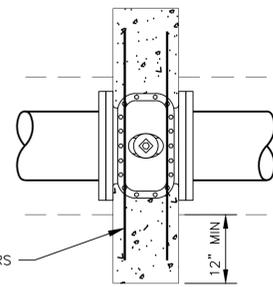
- NOTES:
- WORK ASSOCIATED WITH DETAIL SHALL BE PAID UNDER BASE BID ITEM NO. 26.



ELEVATION



SECTION



PLAN

- NOTES:
- CONCRETE SHALL NOT EXTEND ONTO FLANGE OR ADJOINING PIPE.
 - DO NOT COVER FITTING BOLTS WITH CONCRETE.
 - WHEN VALVES ARE FLANGED TO FITTINGS, AVOID PLACING CONCRETE ON ANY PART OF THE VALVE BONNET OR VALVE OPERATOR.
 - COAT REBAR WITH 80-MILS OF COLD-APPLIED BITUMASTIC WATER-PROOFING COMPOUND. WRAP EXTERIOR OF VALVE, ACTUATOR AND REBAR WITH 8 MIL POLYETHYLENE SHEETING AND TAPE IN ACCORDANCE WITH AWWA C-105.
 - MIN CONCRETE COVER OVER REBAR SHALL BE 3".
 - YIELD STRENGTH OF BARS IS ASSUMED TO BE 36 KSI.

GATE VALVE ANCHOR BLOCK

DETAIL 28 NTS

BID SUBMITTAL



QC REVIEW: STAN VANDEBERGH
DATE: 9/2023

THIS LINE IS 1 INCH AT FULL SCALE IF NOT SCALE ACCORDINGLY

SCALE: AS SHOWN

DRAWN BY: ER

DESIGNED BY: SMG/RSR

PROJ. MGR.: RSR

No.	ZONE	REVISIONS	ADDENDUM #1	RR	2/2024



CITY OF HEALDSBURG
MUNICIPAL RECYCLED WATER PIPELINE
CIVIL DETAILS 9

JOB NUMBER 700-30-22-16
DRAWING NUMBER D109
SHEET NUMBER 41 OF 43
REVISION