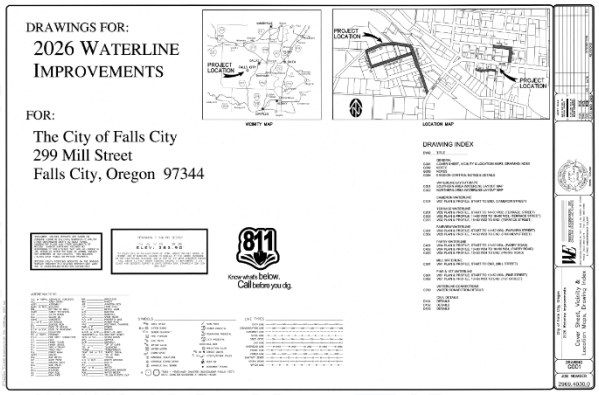
Public Health Division

Center for Health Protection, Drinking Water Services

Tina Kotek, Governor


DRAWINGS FOR:
2026 WATERLINE IMPROVEMENTS

FOR:
The City of Falls City
299 Mill Street
Falls City, Oregon 97344

March 31, 2026

Raymond C. Engel, P.E.
Project Manager
WESTECH ENGINEERING, INC.
rengel@westech-eng.com

Letter sent by email only

Re: 2026 Waterline Improvements (PR#48-2026, SD-22-358)
Falls City (PWS ID#00297)
Conditional Approval

Dear Mr. Engel:

On March 30, 2026, our office received plans and specifications for the *2026 Waterline Improvements* project for Falls City (PWS ID#00297). A payment in the amount of $3,300 for the plan review fee was also received on March 30, 2026.

The work involves waterline improvements and installation of primarily 8" diameter AWWA C-900 PVC waterline in 3 main areas as shown:

1) Pine and 1st Streets.,
2) Mill Street, and
3) Cameron Street and along Parry Rd and Fairview Street then south along Terrace Street.

LOCATION MAP

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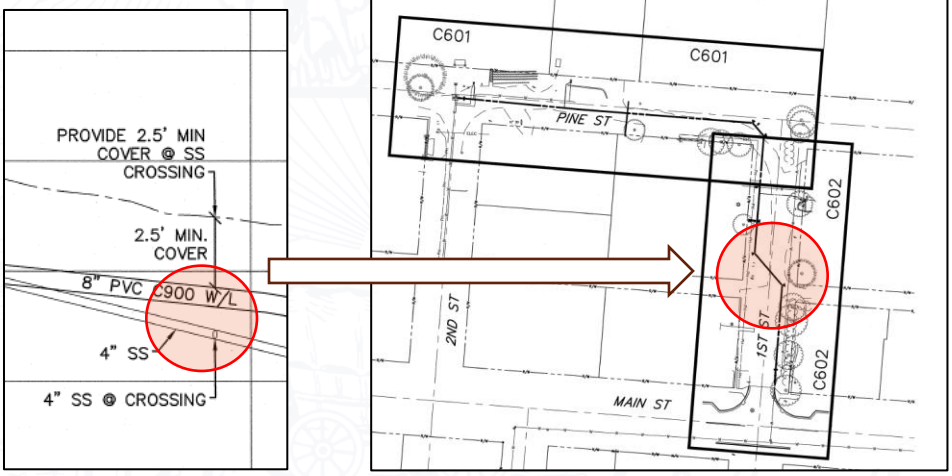
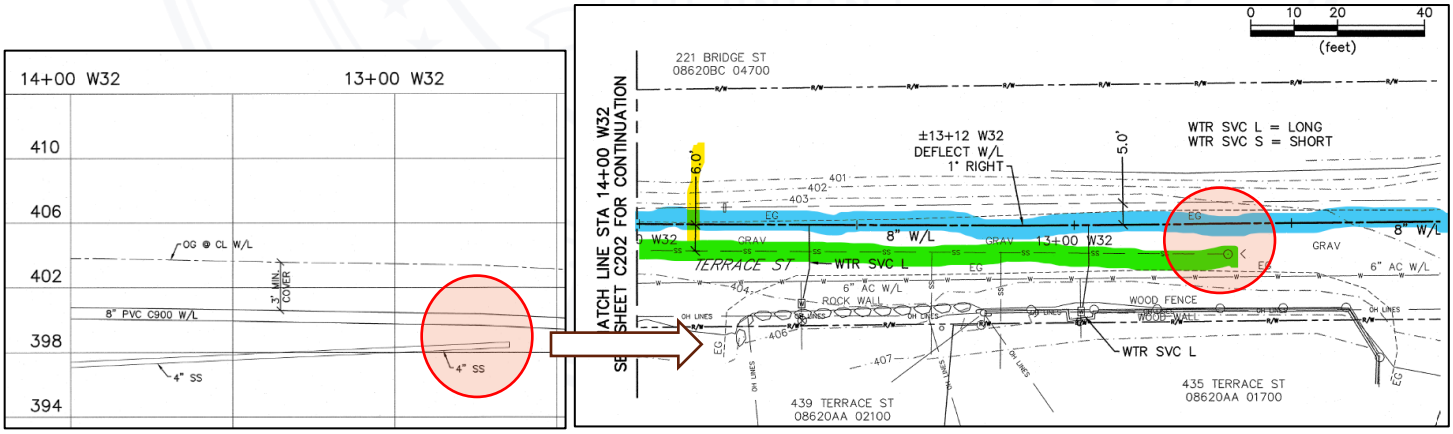
The plans are approved with the following conditions needing to be met prior to Final Approval:

1. All items in contact with potable water must meet NSF Standard 61 or equivalent.
2. The design must allow for 20 psi to be maintained at all service meters.
3. As indicated in construction note #77 on drawing G003, water and sewer line crossings conform to OAR 333-061-0050(9). Waterlines running parallel to sewer lines must also meet OAR 333-061-0050(9) – see enclosure. There are several close sewer line crossings and a few narrow lateral separations, examples of which are shown below.





4. Air-relief valves must be installed at high points where air can accumulate The breather tube on air-relief valves must be extended above ground surface and provided with a screened, downward facing elbow.

5. Non-conductive waterlines are installed with tracer wire in accordance with OAR 333-061-0050(8)(k) as shown below.

> (k) Nonconductive water pipe (plastic or other material) that is not encased in conductive pipe or casing must have an electrically conductive wire or other approved conductor for locating the pipe when the pipeline is underground. The wire shall be No. 18 AWG (minimum) solid copper with blue colored insulation. Ends of wire shall be accessible in water meter boxes, valve boxes or casings, or outside the foundation of buildings where the pipeline enters the building. The distance between tracer lead access locations shall not be more than 1,000 feet. Joints or splices in wire shall be waterproof.

   General note #59 on drawing G003 did not address the 1,000-ft limit.

6. Disinfection of the waterline must be completed according to AWWA C651. Results from the coliform sampling must be provided to our office.

Until we receive verification that the conditions have been met and Final Approval has been issued, the waterlines are not approved for use. Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans and conditions listed above.

Project Final Approval Request Form

To close out the project and request final approval from DWS, please fill out the Project Final Approval request form and email the completed form and a set of as-builts to me at evan.e.hofeld@oha.oregon.gov. Please be sure to reference Plan Review #48-2026.

If you have any questions, please feel free to email or call me at (971) 200-0288.

Sincerely,

Evan Hofeld, Regional Engineer
OHA-Drinking Water Services
Evan.e.hofeld@oha.oregon.gov

CC: Jon Creekmore, Falls City: jcreekmore@fallscityoregon.gov

Encl.
- Project Description
- Project Final Approval Request Form
- OAR 333-061-0050(9) Crossings – Sanitary Sewers and Water Lines

Project Description

SRF SD-22-358: The 2025 Waterline Improvements project reviewed under PR#43-2025 is part of a larger project funded, in part, under SRF SD-22-358. The larger project involves approximately 5,000 ft of new 8-inch, 6-inch and 4-inch waterline, minor repairs to the concrete vaults at the water treatment plant, and replacement of all existing standard water meters. The larger project was granted a Categorical Exclusion from further environmental review on March 31, 2025. Other parts of the larger project are anticipated to be completed under a 2026 Waterline Improvements Project reviewed under plan review ID# 48-2026 (Categorical Exclusion was re-affirmed to apply to the 2026 Waterline Improvements on March 30, 2026).

The following items were conditions of the SRF loan:

1. Operator Certification:
   a. ☒ Acquire a certified cross connection control specialist as required for water systems serving 300 or more service connections (OAR 333-061-0070(10)(d)).
2. Water System Policies and Programs:
   a. ☒ Prepare and submit a cross connection control Annual Summary Report as required. Ensure report is submitted by the end of March each year (OAR 333-061-0070(10)(c)).
   b. ☐ Update the water system's written emergency response plan and operations manual to include infrastructure improvements associated with this project.

Short-Term items to correct by October 1, 2023 included certifying to DWS delivery of CCRs to consumers (OAR 333-091-0043(6)(c)) for calendar years:

- ☐ 2021, and
- ☒ 2022

2026 Waterline Improvements:

Submittal: On March 30, 2026 our office received plans for the *2026 Waterline Improvements* project for Falls City (PWS ID#00297). A payment in the amount of $3,300 for the plan review fee was also received on March 30, 2026. A Conditional Approval letter was issued on March 31, 2026.

The work involves waterline improvements and installation of primarily 8" diameter AWWA C-900 PVC waterline in 3 main areas as shown:

1) Pine and 1st Streets.,
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LOCATION MAP

Project Final Approval Request Form

Oregon Health Authority

Drinking Water Services
Project Final Approval Request Form

Print

Project Name _____ **PR#** _____

Public Water System ID# 41- _____

PWS Name _____

Click to locate PWS ID#

	YES	NO	DATE
1. Was the project undertaken? If so, what was the starting date?	☐	☐	_____
2. If project was not undertaken, has the project been abandoned?	☐	☐	
3. Was the project completed? If so, when? If project not complete, estimated completion date: _____	☐	☐	_____
4. If completed, was the work accomplished in conformance with all conditions listed in the Conditional Approval letter and DWS Construction Standards, Oregon Administrative Rule (OAR) 61-0050? **In the comments below or on a separate sheet please make clear how all conditions specified in the Conditional Approval letter were met.**	☐	☐	
5. If the project was completed, were there any differences between what is shown on the plans and what was actually installed?	☐	☐	
6. If the completed project is different from what is shown on the plans, were the plans modified to show as-built conditions?	☐	☐	
7. Have as-builts been sent to Drinking Water Services? **NOTE: As-builts are not required if there were no significant changes noted in 5.**	☐	☐	
8. Are the facilities operating? If so, starting when?	☐	☐	_____

Signature of Engineer _____ Date _____

Name _____ OR PE# _____

Firm _____ Phone _____

Comments

Revised date 10/2021 Page 1 of 2

OAR 333-061-0050(9) Crossings – Sanitary Sewers and Water Lines

(9) Crossings-Sanitary sewers and water lines:

(a) All reference to sewers in this section shall mean sanitary sewers;

(b) In situations involving a water line parallel to a sewer main or sewer lateral, the separation between the two shall be as indicated in Figure 1;

(c) In situations where a water line and a sewer main or sewer lateral cross, the separation between the two shall be as follows:

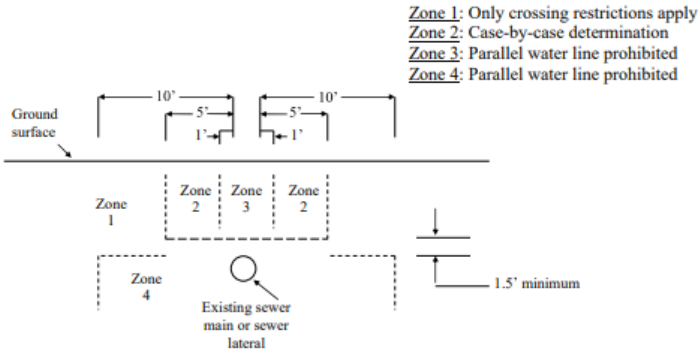
(A) Wherever possible, the bottom of the water line shall be 1.5 feet or more above the top of the sewer line and one full length of the water line shall be centered at the crossing;

(B) Where the water line crosses over the sewer line but with a clearance of less than 1.5 feet, the sewer line shall be exposed to the sewer line joints on both sides of the crossing to permit examination of the sewer pipe. If the sewer pipe is in good condition and there is no evidence of leakage from the sewer line, the 1.5-foot separation may be reduced. However, in this situation, the water supplier must center one length of the water line at the crossing and must prepare a written report of the findings and indicating the reasons for reducing the separation. If the water supplier determines that the conditions are not favorable or finds evidence of leakage from the sewer line, the sewer line shall be replaced with a full length of pipe centered at the crossing point, of PVC pressure pipe (ASTM D-2241, SDR 32.5), high-density PE pipe (Drisco pipe 1000), ductile-iron Class 50 (AWWA C-51), or other acceptable pipe; or the sewer shall be encased in a reinforced concrete jacket for a distance of 10 feet on both sides of the crossing.

(C) Where the water line crosses under the sewer line, the water supplier shall expose the sewer line and examine it as indicated in paragraph (9)(c)(B) of this rule. If conditions are favorable and there is no evidence of leakage from the sewer line, the sewer line may be left in place, but special precautions must be taken to assure that the backfill material over the water line in the vicinity of the crossing is thoroughly tamped in order to prevent settlement which could result in the leakage of sewage. In this situation, the water supplier must center one length of the water line at the crossing and must prepare a written report recording the manner in which the sewer line was supported at the crossing and the material and methods used in backfilling and tamping to prevent settlement of the sewer. If the water supplier determines that conditions are not favorable or finds evidence of leakage from the sewer line, the provisions of paragraph (9)(c)(B) of this rule apply.

(d) When a water main is installed under a stream or other watercourse, a minimum cover of 30 inches shall be provided over the pipe. Where the watercourse is more than 15 feet wide, the pipe shall be of special construction with flexible watertight joints, valves shall be provided on both sides of the crossing so that the section can be isolated for testing or repair, and test cocks shall be provided at the valves.

Figure 1: Water Line-Sewer Line Separation



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