



OREGON
HEALTH
AUTHORITY

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Distribution vs Plumbing

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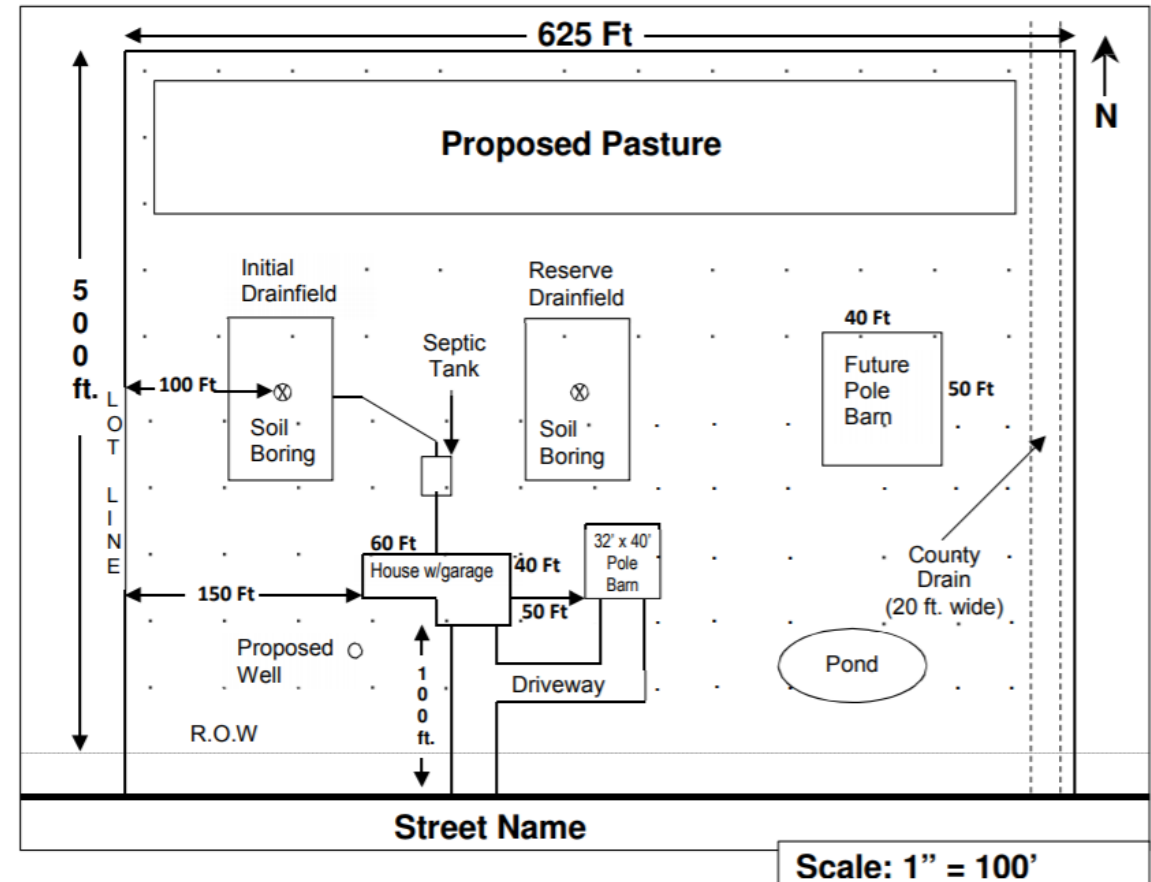
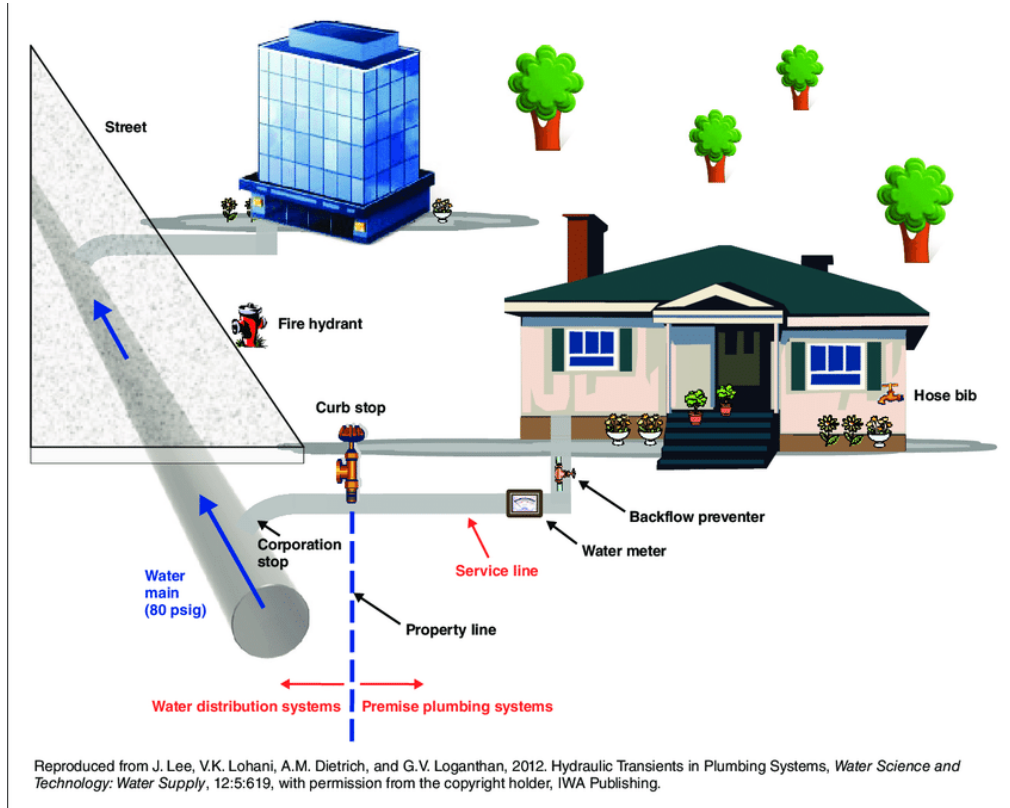
Objectives

- Clarify when DWS distribution rules apply and when plumbing code applies
 - Clarify when surveyors should use the distribution page of the survey form and apply deficiencies
 - Clarify when plan review is required on new piping
- Interactive - engage your brain!
 - Note: Quiz is for partner staff only!
- Q&A as time allows

Plumbing code vs distribution regulatory framework (0050)(8)

- In Community water systems, distribution mains located in public roadways or easements, and the portion of the service connections from the distribution main to the customer's property line or service meter where provided are subject to the requirements of these rules. The piping from the customer's property line, or the meter where provided, to the point of water use (the building supply line) is subject to the requirements of the State Plumbing Code;
- In all Public Water Systems where the system facilities and the premises being served are both on the same parcel of property, requirements relating to pipe materials and pipe installation shall comply with the State Plumbing Code;

Plumbing code vs distribution



Scenario #1

You are conducting a survey at a mill (non-transient water system) with its own well. There are several buildings in a large area. The operator tells you the pressure often drops below 20 psi.

Do you include the distribution page and cite the < 20 psi deficiency in the water system survey?

Yes, distribution page and deficiencies apply

No, OARs do not apply to piping within private property

Scenario #1 - answer

You are conducting a survey at a mill with its own well. There are several buildings. The operator tells you the pressure often drops below 20 psi.

Do you include the distribution page and deficiencies in the water system survey?

No, OARs and therefore significant deficiencies do not apply – it's all on one property so plumbing code applies. Do not use the Distribution page, do not note a significant deficiency regarding pressure.

Scenario #2

A church (a public water system) converts an outbuilding on its property to a day care center and extends the piping to the new facility. Is plan review required?

Yes or No?

Scenario #2 - answer

A church (a public water system) converts an outbuilding on its property to a day care center and extends the piping to the new facility. Is plan review required?

No, the waterlines would fall under the plumbing code since they are all on private property.

- We should increase the population served at the next survey.

Scenario #3

A mobile home park has its own well, storage tank, and piping. During the survey, the storage tank:

- A. Should not be inspected as it is under plumbing code.
- B. Is under plumbing code but should be inspected in case of a public health issue.
- C. Must be inspected as tanks are under DWS jurisdiction.

Scenario #3

A mobile home park has its own well, storage tank, and piping. Regarding the survey, the storage tank:

Answer: C, Is under DWS jurisdiction, so we need to inspect it.

Overlap

- Water system components (wells and tanks) may need to meet both agency's requirements. Examples:
 - Plumbing code: tanks must be accessible for maintenance
 - Plumbing code may have requirements regarding the plumbing of drainlines in a wellhouse.
- While we don't need to know the plumbing code, we shouldn't imply ours are the only requirements that apply.
 - Just like WRD also regulates well construction

Scenario #4

I'm preparing for a survey at a large mobile home park. Will I need the distribution page of the survey forms?

Yes or No?

Or

Maybe, in case there are obvious deficiencies.

Scenario #4

I'm preparing for a survey at a large mobile home park. Will I need the distribution page of the survey forms?

Answer: No

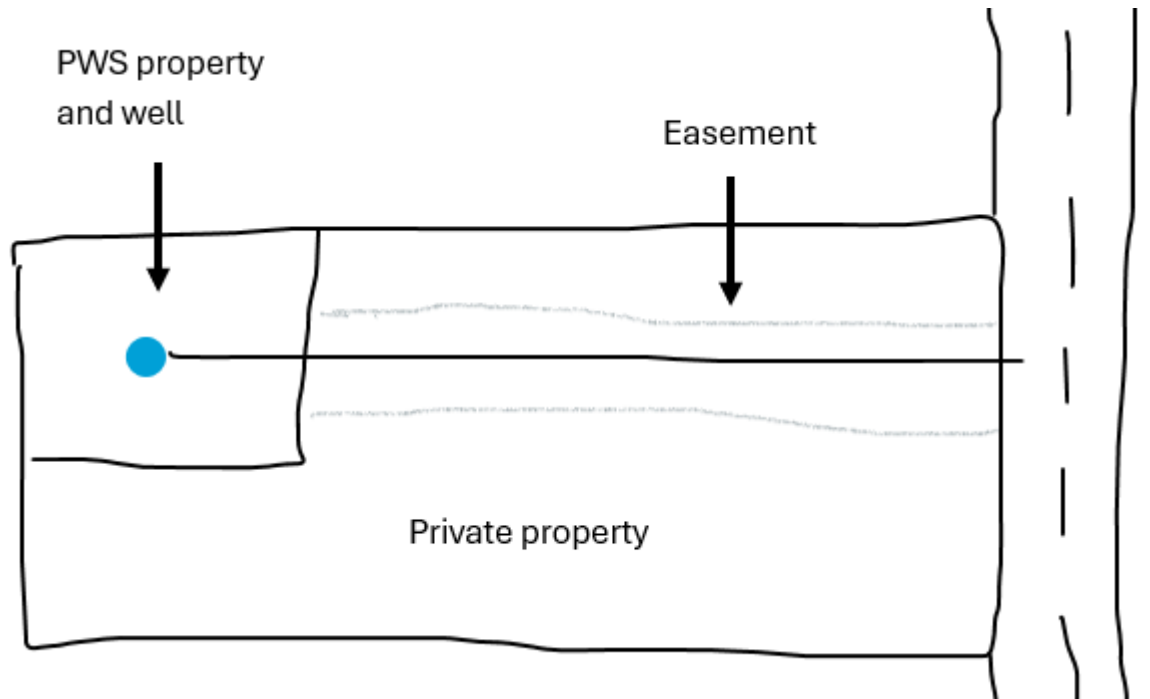
Since plumbing code applies, you do not need to fill out the distribution page of the survey forms.

- However, if they chlorinate, they still need to measure residual in the distribution system twice per week (disinfection page).

Scenario #5

The waterline from a Community system well to the distribution line crosses private property. The PWS has an easement for this. This piping must comply with:

- A. Plumbing code
- B. Distribution piping rules

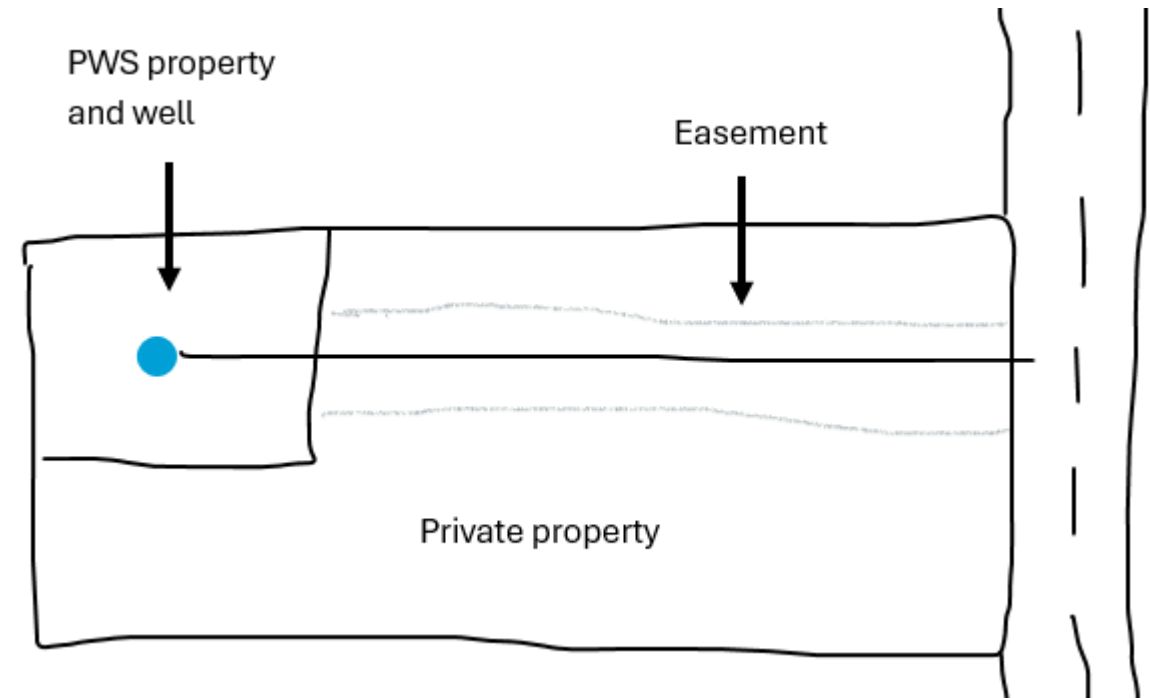


Scenario #5 - answer

The waterline from a Community system well to the distribution line crosses private property. The PWS has an easement for this. This piping must comply with:

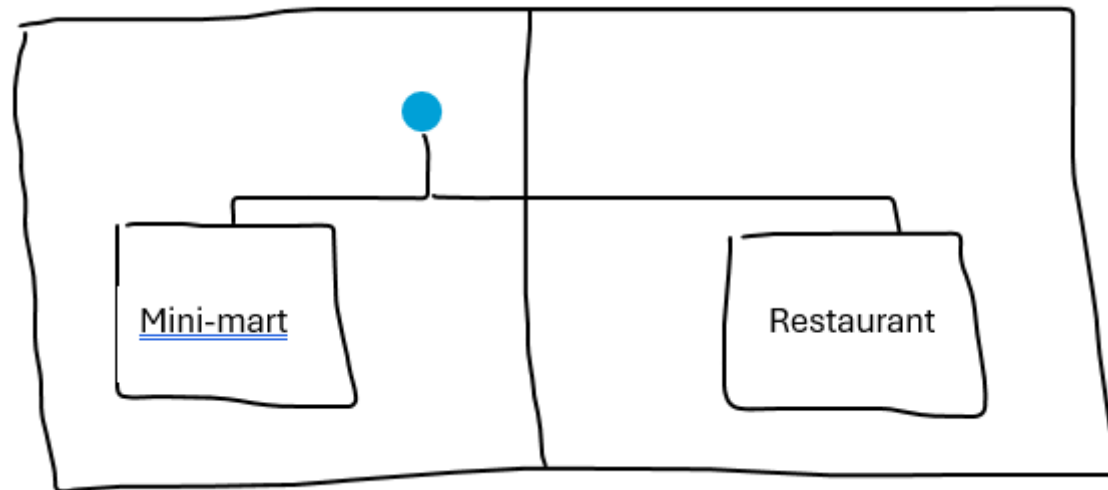
Answer: B, Distribution piping rules

Note: for plan review, DWS reviews the well as a major modification, but the piping is considered minor.



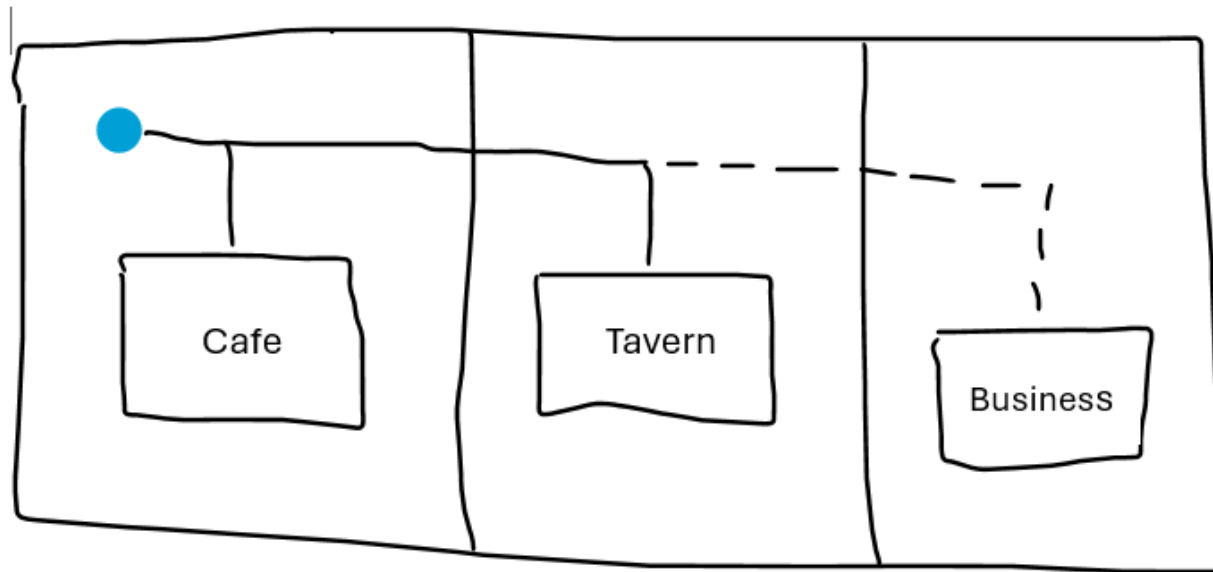
Wells serving multiple private properties

- The State building Division (and DWS concurs) has determined that:
 - Piping on two adjacent private properties must comply with plumbing code



Wells serving multiple private properties

- The State building Division (and DWS concurs) has determined that:
 - Piping extending on three private properties must comply with PWS distribution rules.



Scenario #6

A café and a tavern have been sharing a well for decades. A new business next door wants to connect to the well. What do you tell them?

- A. It's all on private property so plumbing code applies
- B. Only piping to the new connection must meet DWS distribution standards
- C. If a third property is connected, piping to all 3 connections must meet DWS construction standards and must go through plan review.
- D. This scenario makes my head hurt, I'm going to contact my state person.

Scenario #6 - answer

A café and a tavern have been sharing a well for decades. A new business next door wants to connect to the well. What do you tell them?

Acceptable answers: C and D

C. If a third property is connected, piping to all 3 connections must meet DWS construction standards and must go through plan review.

D. This scenario makes my head hurt, I'm going to contact my state person.

Scenario #7

At a survey of a processing facility (non-transient system) with multiple buildings on one property, you note a potential cross connection of potable and non-potable water. You:

- A. Cite it as a significant deficiency
- B. Ignore cross connections on systems on private property – plumbing code applies.
- C. Point out the potential issue to the operator and recommend mitigation.

Scenario #7 – answer: B or C

At a survey of a processing facility (non-transient system) with multiple buildings on one property, you note a potential cross connection of potable and non-potable water. You:

A. Cite it as a significant deficiency

B. Ignore cross connections on systems on private property – plumbing code applies.

C. Point out the potential issue to the operator and recommend mitigation.

Questions & Discussion



Public Health Division



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Scenario #8

You get a phone call from a concerned water user that frequent pipes breaks at their kid's school are leading to contamination and making their kid sick. You:

- A. Triage the situation like the public health professional you are.
- B. Refer them to the school administration.
- C. Conduct a water system survey.

Scenario #8 - answer

You get a phone call from a concerned water user that frequent pipes breaks at their kid's school are leading to contamination and making their kid sick. You:

- A. Triage the situation like the public health professional you are.
- B. Refer them to the school administration.
- C. Conduct a water system survey.