



March 9, 2022

Shannon Williams, PE
Keller Associates, Inc.
245 Commercial Street SE, #210
Salem, OR 97301

**Re: Willamina Water System Improvements Project A (PR#30-2022)
City of Willamina (PWS ID#00953)
Conditional Approval**

Dear Shannon:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Willamina Water System Improvements Project A for the City of Willamina. On March 1, 2022, our office received Draft Technical Specifications, signed construction plans, and land use compatibility statements from Yamhill County and the City of Willamina. On March 7, 2022, DWS received a plan review fee of \$3,300.

The project includes replacement of existing finished water lines with 12" C900 PVC water lines and the addition of a 50 hp fire flow pump with a new building at the 6th Street Booster Station.

The plans are approved with the following conditions:

Water lines:

- Water pressure in the distribution system must not be below 20 psi. Please submit a statement that indicates the distribution piping meets these requirements.
- After disinfection of the waterlines is completed according to AWWA C651, results from the coliform sampling must be provided to OHA/DWS.
- Any sewer and water line crossings must conform to [OAR 333-061-0050\(9\)](#). Parallel separations must also conform to this rule. Note that any zone conflicts represented in Figure 1 in that rule other than zone 1 conflicts must be approved by OHA/DWS.

Fire Flow Pump Station:

- The pumps must be provided with a low pressure cut-off switch on the suction side set

at no less than 20 psi.

- Pumps must be installed so that the suction line is under positive head to avoid suction lift. If suction lift cannot be avoided, water used for priming must meet maximum contaminant levels (MCLs).
- Pump manufacturer and model number must be provided for the booster station pump.

Until we receive verification that the conditions have been met and final approval has been issued, the Willamina Water System Improvements Project A is not approved for use. For waterline projects, note that engineers must inspect/be prepared to sign off before burying lines. Upon completion of the project, the engineer must verify in writing that construction was completed according to the submitted plans. If substantial changes are made, a set of as-built drawings must be submitted. Documentation demonstrating how the above conditions were met should reference Plan Review #30-2022 and can be emailed to me at keith.male@dhsoha.state.or.us.

If you have any questions, please feel free to call me at (503) 939-1322.

Sincerely,



Keith Male, EIT
Regional Engineer
Drinking Water Services

ec: Julie Wray, DWS
Carrie Gentry, PE, OHA/DWS
Gary VenDerVeen, REHS, Yamhill County Health Department
Nicole Alfafara, REHS, OHA/DWS