

January 12, 2026

Bill McCandless
President
Roth Development
Via email: roth.devel@gmail.com

**Re: New Well (PR#153-2025)
Roth Development (PWS ID#00220)
Site Plan Evaluation**

Dear Bill:

Thank you for your additional submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for Roth Development. On December 8, 2025, our office received a plan review fee of \$825. On December 29, 2025, our office received the easement information as well as a note that the water system wished to proceed with plan review with the original site plan submitted.

The project includes drilling a well to an approximate depth of 700 feet. The submitted site plan indicated that the water system does not have the required 100' radius of control. A recorded restrictive easement documentation was submitted to satisfy that requirement. There is a roadway within the 100' radius of control. Our geologist reviewed the proposed construction. Details on his review are included on the second page.

As noted above, there is a roadway within the 100' radius of control/setback from sanitary hazards. A waiver for the roadway within the radius of control/setback cannot be approved prior to drilling a well. If the well is properly drilled into a confined aquifer, then OHA/DWS may be able to waive the requirement. If the well is not drilled into a confining aquifer, then OHA/DWS may not be able to approve the well for use by the water system.

Due to the location of the roadway within the 100' radius of control/setback to sanitary hazards, **the site plan/location cannot be approved at this time**. If a properly constructed confined aquifer well is drilled, please submit:

1. The well driller's report (well log).

2. Information must be submitted that demonstrates how the well is "...protected against contamination from surface runoff or hazardous liquids which may be spilled on the roadway and is protected from unauthorized access".
3. Well pumping test information including static water level, pumping rate, drawdown and rate of recover.
4. Pump information must be submitted (including make and model and NSF certification).
5. Raw (Untreated) Water Quality Data including coliform bacteria, IOCs (including nitrate, nitrite and arsenic), SOCs, VOCs and radionuclides. These are to be taken from the new well's raw water sample tap at the wellhead.
6. Engineered plans that show the above-well structure detail including the well house, concrete slab, drainage, pump-to-waste piping and plans and specifications for connection of the well to the water system.

A regional geologist noted the following, which should be shared with the well driller:

- The estimated depth of the casing seal is approximately 555 feet, based on the thickness of the overlying sediments recorded in well log WASH6099.
- The estimated depth to a water-bearing zone is approximately 600 feet, and the aquifer is estimated to be confined in nature.
- The casing seal should extend a minimum of 5 feet into competent basalt, immediately above the water-bearing zone within the basalt.

The above items should reference Plan Review #153-2025 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

If you have any questions, please feel free to call me at (971) 201-9794.

Sincerely,



Carrie Gentry, PE
 Regional Engineer
 OHA-Drinking Water Services
Carrie.L.Gentry@oha.oregon.gov

cc: Ashley Davis, REHS, Washington County Health Department
 Nicole Alfaara, REHS, OHA/DWS
 Matt Newman, NW Engineers, LLC
 Tommy Laird, OWRD Well Construction Inspection Program Coordinator
 Travis Kelly, OWRD Well Construction Inspection Program Coordinator
 Milo Applebee, Alpine Resources, LLC