

January 10, 2025

Jon Laufenberg
Vice President
Phoenix Industrial Redevelopment, LLC
Via email: jonl@phoenixindustrialredevelopment.com

**Re: New Well (PR#177-2024)
Silver Inn (PWS ID#94551)
Site Plan Evaluation**

Dear Jon:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for Silver Inn. On December 5, 2024, our office received well drilling specifications from your well driller. On December 18, 2024, our office received a site plan. A plan review fee of \$825 was received on January 3, 2025.

The project includes drilling a well to replace the existing well, which has confirmed E.coli in the source. The water system does not have the required 100' radius of control around the new well. The proposed location is surrounded by parking lots and buildings, which represent hazards within the 100' sanitary setback.

A regional geologist in our program reviewed the proposed well construction. He noted the following, which should be shared with the well driller:

- Based on the nearby well log MARI7218, the proposed site occurs in an area dominated by alternating layers of silt, (sticky) clay and cemented gravel. The estimated depth to a water-bearing zone is 70 to 90 feet below ground surface.
- The aquifer at this location is likely to be confined.
- The estimated casing seal depth is 55 feet. The casing seal should be constructed to extend through any cemented gravel layers above the water-bearing zone (regardless of whether or not they appear dry) and 5 feet into the silt/clay layer immediately above the water-bearing zone.
- If the well driller has questions about the seal depth during the construction process, please reach out to me at the number at the bottom of the page and I will connect him with our geologist.

A waiver for the radius of control and setback issues 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 radius of control and setback issues, **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. A waiver request for the above noted setback issues, as appropriate.
3. Well pumping test information including static water level, pumping rate, drawdown and rate of recover.
4. Pump information.
5. Raw (Untreated) Water Quality Data including coliform bacteria, nitrate and arsenic. 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 reconnection of the well to the water system.
7. A copy of the Water Right Permit from OWRD, if a water right permit is required.

The above items should reference Plan Review #177-2024 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

Note that the existing well will need to be properly abandoned if this well completes the plan review process. This will be a requirement in either a future conditional or final approval letter.

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: Tommy Laird, Well Construction Program Coordinator, OWRD
Chantal Wikstrom, REHS, OHA/DWS
Greg DeBlase, REHS, Marion County Environmental Health