

July 1, 2025

Chris Wick, RG
Supervising Hydrogeologist
GSI Water Solutions, Inc.
Via email: cwick@gsiws.com

**Re: Well 1A (PR#64-2025)
City of Hubbard (PWS ID#00389)
Site Plan Evaluation**

Dear Chris:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for City of Hubbard. On May 8, 2025, our office received a site plan, well drilling specifications, land use compatibility statement, water rights information and a plan review fee of \$3,300.

The project includes drilling a well to approximately 280 feet below ground surface. The well is meant to replace the existing Well #1 for the City. The City does not have the required 100-foot radius of control and is working to obtain a new parcel at the well site that is approximately 86 feet by 60 feet. There is also a gravity sewer line within 50 feet of the proposed well, which represents a hazard within the sanitary setback.

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 with low or moderate sensitivity, 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, IOCs (including nitrate, nitrite and arsenic), SOC's, VOC's 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 reconnection of the well to the water system.

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

- The estimated casing seal depth of 150 to 160 feet is reasonable.
- The estimated dept to the first water-bearing zone is approximately 40 feet, and additional water-bearing zones are known to be present at depths of roughly 180 to 260 feet.

The above items should reference Plan Review #64-2025 and can be emailed to me at Carrie.L.Gentry@oha.oregon.gov.

Note that

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: Chantal Wikstrom, REHS, OHA/DWS
Tommy Laird, Well Construction Inspection Program Coordinator, OWRD
Travis Kelly, Well Construction Inspection Program Coordinator, OWRD
Melinda Olinger, Public Works Administrative Manager, City of Hubbard
Mike Krebs, Public Works Superintendent, City of Hubbard