



PUBLIC HEALTH DIVISION  
Drinking Water Services

Kate Brown, Governor

Oregon  
**Health**  
Authority

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November 29, 2022

James Robinson  
Manzanita Hills Subdivision  
PO Box 157  
Shady Cove, OR 97539

**Re: New Well (PR#165-2022)  
Manzanita Hill Subdivision (PWS ID#06155)  
Conditional Approval**

Dear James Robinson:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the new well for Manzanita Hills Subdivision. On November 7th, 2022, DWS received a drawing, construction specifications and a plan review fee of \$825.

The project includes construction of a new groundwater well adjacent to the water system's water treatment plant. The water system's existing water well has shown a drop in water production. The new well's location is planned to not meet property line setback requirements. The well drilling project will be located at the water system on Cindy Way in Shady Cove, Oregon.

The project shall adhere to all applicable DWS Oregon Administrative Rules (OAR). The submitted plan review material has been reviewed and the following items were noted as conditions of final approval:

*General-*

- Per OAR 333-061-0050(1)(e), Only materials designed for potable water service and meeting NSF Standard 61: Drinking Water System Components - Health Effects or equivalent shall be used in those elements of the water system which are in contact with potable water.

*Well-*

- Per OAR 333-061-0050(2)(a), the new well shall meet all applicable subsections of this rule (A) through (N).
- As discussed, the new well’s proposed location will not be approvable as its proposed location does not meet the required setbacks from existing property lines and existing sewer lines. Upon completion of the new well, the public water system will need to apply for a waiver from the DWS construction standards as well as submit as-constructed information for the new well.
- If the existing ground water well (L69021) will not be used once the new well has been completed, it shall be disconnected from the public water system and permanently abandoned per the Oregon Water Resource Departments construction standards.

*Water treatment facilities (other than disinfection)-*

- The new well raw water shall be tested per OAR 333-061-0036 prior to being connected to the public water system. Should raw water not meet the requirements of OAR 333-061-0030, water treatment shall be installed per applicable subsections of OAR 333-061-0050(4).

*Distribution System-*

- Per OAR 333-061-0050(8), all new and modified portions of the distribution system associated with the new well shall meet applicable subsections (a) through (l) of this rule.

*Disinfection of facilities-*

- Per OAR 333-061-0050(10), all new and modified portions of the distribution system associated with the new well installation shall be disinfected prior to being put into potable water use for the public water system.

A DWS Hydrogeologist has reviewed the proposed well location and has offered the following comments for consideration:

*“The well is to be constructed as per the documents provided by the water system. The proposed well location is surficially mapped as tuff of Moser Mountain, the other well on property appears to originally produce from 38-114 ft. Most wells in the vicinity appear to produce from a confined aquifer. The new well casing seal shall extend 5 feet into the consolidated layer overlying the water bearing zone as per OAR 690- 210-0150 or the applicable standard based on the lithology encountered during drilling.”*

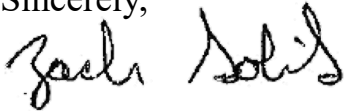
*“Wells within 100 feet of the neighboring property line require a perpetual restrictive easement. As per OAR 333-061-0050 2aE sanitary hazards are not permitted within 100 feet of the public water system well including but not limited to: unapproved/wells of*

*suspect construction, stormwater facilities, septic drain fields and pressurized sewer lines.”*

**Until we receive verification that the conditions have been met and final approval has been issued, the new well is not approved for use.** 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 #165-2022 and can be emailed to me at [zachariah.cunningham-golik@dhsosha.state.or.us](mailto:zachariah.cunningham-golik@dhsosha.state.or.us).

If you have any questions, please feel free to call me at 541-231-9077.

Sincerely,



Zach Golik, PE  
Regional Engineer  
Drinking Water Services

CC: Julie Wray, DWS Portland  
Susan Baker, Jackson County Health Department