



April 6, 2017

Erik Hoovestol, PE  
Firwood Design Group, LLC  
359 E. Historic Columbia River Highway  
Troutdale, OR 97060

Re: **Kalmia Avenue Subdivision (PR#33-2017)**  
**City of Warrenton (PWS ID#00932)**  
**Conditional Approval**

Dear Mr. Hoovestol:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Kalmia Avenue Subdivision waterline project for City of Warrenton. On March 29, 2017, our office received a set of plans, land use decision and a plan review fee of \$3300.

The project includes installation of an 8" C900 waterline and associated appurtenances along Kalmia Avenue for an 11-lot subdivision.

The plans are approved with the following conditions:

- All items in contact with potable water must meet NSF Standard 61.
- The design must allow for 20 psi to be maintained at all service meters.
- PVC water lines must be provided with a tracer wire.
- Disinfection of the waterline must be completed according to AWWA C651.
- Any sewer and water line crossings must conform to OAR 333-061-0050(9). If there is less than 1.5' of vertical separation, the water line must be inspected for leakage and a length of pipe must be centered at the crossing - see details in OAR 333-061-0050(9)(c)(B).
- Parallel separations must also conform to OAR 333-061-0050(9). Note that any zone conflicts represented in Figure 1 in that rule other than zone 1 conflicts must be approved by OHA/DWS.

**Until we receive verification that the conditions have been met and final approval has been issued, the project 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 #33-2017 and can be emailed to me at [Carrie.L.Gentry@state.or.us](mailto:Carrie.L.Gentry@state.or.us) or mailed to:

Attn: Carrie Gentry  
OHA-Oregon Drinking Water Services  
PO Box 14450  
Portland, OR 97293-0450

If you have any questions, please feel free to call me at (971) 673-0191.

Sincerely,



Carrie Gentry, PE  
Regional Engineer  
Drinking Water Services

cc: Jim Dunn, Public Works Director, City of Warrenton  
Evan Hofeld, PE, OHA/DWS  
Gill Gramson, 15 NW 17<sup>th</sup> Place, Warrenton, OR 97146