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August 10, 2018

Dean Keranen, P.E.  
CKI, Inc.  
PO Box 2699  
Gearhart, OR 97138

**Re: Arch Cape Water District (00802) Spruce Ridge Phase I  
Conditional Approval - PR #108-2018**

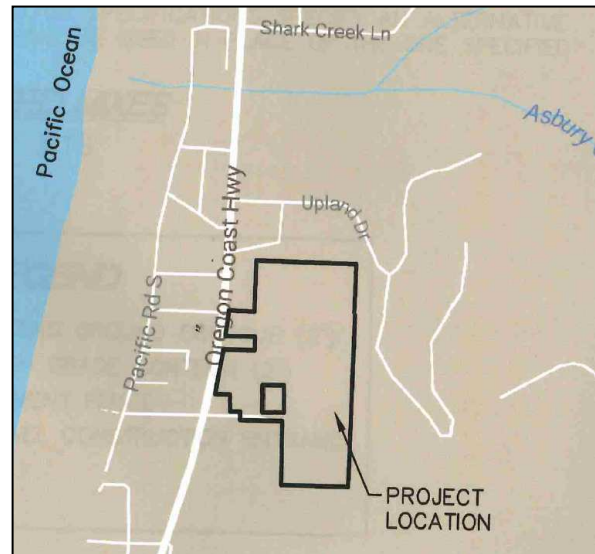
Dear Mr. Keranen,

Thank you for submitting plans for the *Spruce Ridge Phase I Road and Utility Improvement Plans*, Land Use Compatibility Statement, and \$825 review fee for this development to be served by the Arch Cape Water District. The plans, received on August 8, 2018, call for the installation of roughly 567-LF of 8" C-200 IPS waterline within public right-of-way under Marshall Lane and Spruce Ridge Loop for the project location shown.

**The project is approved for construction provided the following conditions are met:**

1. The design allows for 20 psi to be maintained at all service meters.
2. The maximum velocity in the main is less than 5 fps.
3. Disinfection and testing of the waterline is completed according to AWWA C651.
4. The tracer wire is No. 18 AWG

(minimum) solid copper with blue colored insulation. Ends of wire shall be accessible in water meter boxes, valve boxes or casings and splices or joints shall be waterproof. Note: it is common practice to install the tracer wire above the pipe or attached to the top of the pipe rather than below the pipe as shown in the submitted plans.



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When the project is complete, please respond if the project was completed as planned and according to the conditions listed above. Correspondence may be in a letter, via e-mail, or using our check list we will mail to you in about 6 months.

Written correspondence should reference plan review #108-2018 and water system ID #00802 for Arch Cape Water District and can be either e-mailed to me at [evan.e.hofeld@state.or.us](mailto:evan.e.hofeld@state.or.us) or mailed to:

Attn: Plan Review  
OHA-Drinking Water Services  
800 NE Oregon Street, Suite 640  
Portland, OR 97232-2162

Thank you again for your cooperation in this process and if you have any questions, or would like this in an alternate format, please feel free to contact me at (971) 673-0419 or via e-mail at [evan.e.hofeld@state.or.us](mailto:evan.e.hofeld@state.or.us).

Sincerely,



Evan Hofeld, Regional Engineer  
OHA - Drinking Water Program

cc: Phil Chick, Arch Cape Water District