



May 11, 2018

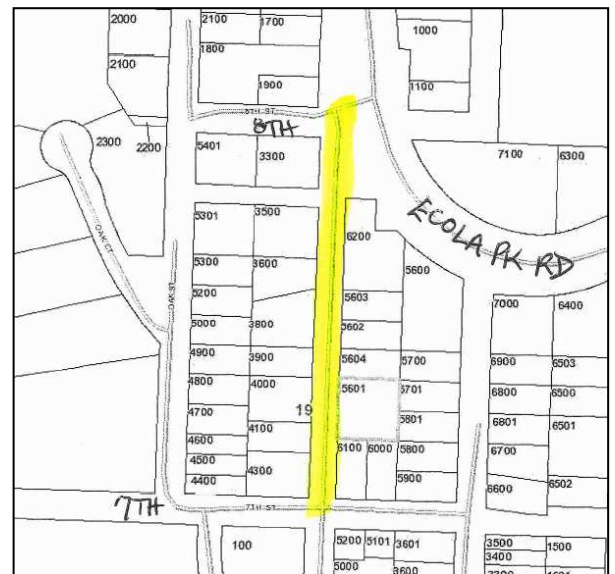
Kyle Ayers, PE  
OTAK  
4253-A Highway 101 North  
Seaside, OR 97138

Re: **Ash Street Water Main Replacement (PR#67-2018)**  
**City of Cannon Beach (PWS ID#00164)**  
**Conditional Approval**

Dear Mr. Ayers:

Thank you for your submittal to the Oregon Health Authority's Drinking Water Services (DWS) of plan review information for the Ash Street Water Main Replacement project on behalf of the City of Cannon Beach. On May 7, 2018 our office received the \$3,300 review fee, Land Use Compatibility Statement, Ash Street Water Line Project Specifications, and Ash Street Water Main Replacement Plans.

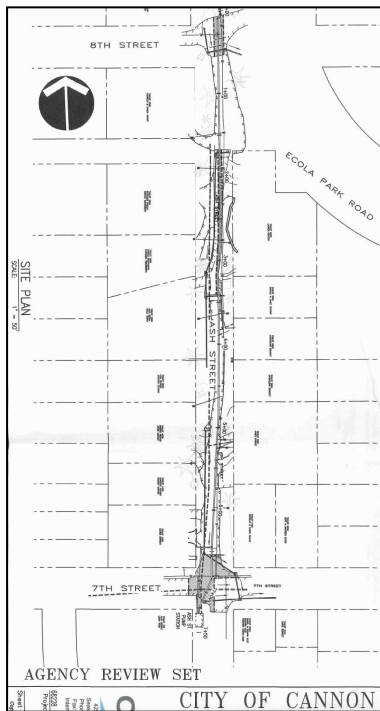
The project includes the installation of roughly 750-LF of AWWA C-906 SDR-9 HDPE (12", 10", and 6" diameter) within public right-of-way along Ash Street and reconnection of 12 existing services.



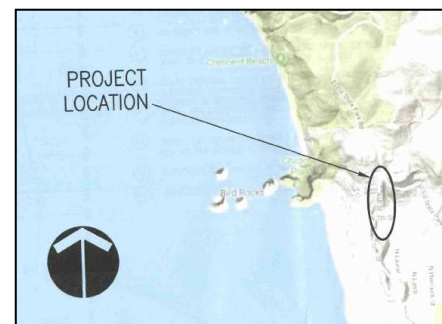
**The plans are approved as proposed with the following conditions:**

1. The design must allow for 20 psi to be maintained at the service meters.
2. Sewer crossings in which less than 18" of vertical separation between the bottom of the waterline and the top of the sewer pipe conform to OAR 333-061-0050(9)(c) as shown on the following page.

- (c) In situations where a water line and a sewer main or sewer lateral cross, the separation between the two shall be as follows:



- (A) Wherever possible, the bottom of the water line shall be 1.5 feet or more above the top of the sewer line and one full length of the water line shall be centered at the crossing;
- (B) Where the water line crosses over the sewer line but with a clearance of less than 1.5 feet, the sewer line shall be exposed to the sewer line joints on both sides of the crossing to permit examination of the sewer pipe. If the sewer pipe is in good condition and there is no evidence of leakage from the sewer line, the 1.5-foot separation may be reduced. However, in this situation, the water supplier must center one length of the water line at the crossing and must prepare a written report of the findings and indicating the reasons for reducing the separation. If the water supplier determines that the conditions are not favorable or finds evidence of leakage from the sewer line, the sewer line shall be replaced with a full length of pipe centered at the crossing point, of PVC pressure pipe (ASTM D-2241, SDR 32.5), high-density PE pipe (Drisco pipe 1000), ductile-iron Class 50 (AWWA C-51), or other acceptable pipe; or the sewer shall be encased in a reinforced concrete jacket for a distance of 10 feet on both sides of the crossing.



**Until we receive verification that the conditions have been met and final approval has been granted, 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 #67-2018 and can be emailed to me at [evan.e.hofeld@state.or.us](mailto:evan.e.hofeld@state.or.us) or mailed to:

Attn: Evan Hofeld  
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) 673-0419.

Sincerely,

Evan Hofeld, PE  
Drinking Water Services

Cc (via e-mail): Daniel Willyard, City of Cannon Beach