

July 31, 2023

Jesse Winterowd  
Winterbrook Planning  
610 SW Alder Street, Suite 810  
Portland, OR 97205

Subject: Alternative Routes for Distribution to Avoid SEC-H Zone

Dear Jesse:

In response to the statement provided in the staff report regarding the route for the Distribution Main (pg. 113), staff has suggested an alternative route to the once proposed. During the design, the team reviewed many alternative route options to reconnect this local water drinking water supply line to the discharge of the Filtration Facility. The alternative route suggested in the staff report of solely using existing right of way (ROW) to avoid the Sensitive Environmental Concern – Habitat (SEC-H) zone was eliminated based on several factors.

These factors included:

- The suggested ROW route is a good route until SE Lusted Rd traverses the steep hillside as it heads from SE Cottrell Rd to the east. Traversing this hillside with a pipeline is more susceptible to damage from potential landslides and impact from a seismic event in the defined geologic hazard zone as compared to placing the pipeline perpendicular to the slope as designed. Reducing the vulnerability of this pipeline was a key concern as this pipeline is the only drinking water source for approximately 750 residences.
- Building the pipeline as an open cut installation within the narrow and winding cut bank slope of SE Lusted Rd had elevated concerns for safety of the installation.
- Installing the pipeline as suggested would require shutdown of the SE Lusted Rd for multiple months. Additional road closures were not desired in the project area.
- The suggested route is longer in distance than the proposed route and would be more expensive than the proposed route.
- The proposed route stays within already disturbed and cleared areas on the Lusted Hill Treatment Facility parcel.

Regards,



Brad Phelps, PE  
Principal Portfolio Manager