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September 23, 2022

Mr. Jesse Winterowd
Winterbrook Planning
610 SW Alder Street, Suite 810
Portland, Oregon 97205

Subject: Bull Run Filtration Project
Finished Water Pipelines Geotechnical Assessment
Executive Summary for Land Use Permitting

Dear Jesse:

The City of Portland has retained Jacobs Engineering Group Inc. (Jacobs) to assist the Portland Water Bureau with subsurface exploration and design and construction support services associated with the Filtration Pipelines Project (FPP) portion of the Bull Run Treatment Program. Jacobs completed a geotechnical explorations program for the FPP – Finish Water Pipelines (FWP), which will convey and distribute filtered water from the filtration facility to the existing conduits system. The results of the explorations, geotechnical and seismic analyses, geologic hazard assessments, along with conclusions and recommendations for design and construction of the FWP are provided in a draft Geotechnical Engineering Report dated June 2022. This letter was prepared by Jacobs to provide an executive summary of the project. Based on the results of the explorations, analyses, and geologic and seismic hazards assessments, the site is suitable for the proposed development.

The Portland Water Bureau serves high-quality drinking water to nearly a quarter of Oregon State's population in a 225-square-mile service area encompassing the City of Portland and neighboring municipalities and water districts. In 2017, the Portland Water Bureau launched the Bull Run Filtration Project, which will construct a water filtration facility to help the water supply meet the requirements of the U.S. Environmental Protection Agency's Long-Term Enhanced Surface Water Treatment Rule. The new facility is anticipated to be on-line and compliant by September 30, 2027.

Based on a review of published geologic and seismic hazard mapping and the explorations and analyses performed for the project as documented in this report, the proposed FWP project can be successfully constructed as proposed and the selected alignments for the project are suitable for the proposed development. Recommendations and conclusions provided in the Geotechnical Engineering Report have been provided to the Portland Water Bureau, their consultants, and the design team for review and considerations. The Jacobs geotechnical engineers will continue to collaborate with the overall design team and Portland Water Bureau to ensure that the geotechnical recommendations are incorporated into the final design. The design team and Portland Water Bureau will work with the contractor to oversee the construction of the project.

We believe the information provided herein are sufficient to be included for land use permit request. Please feel free to contact us if there are any questions or concerns.

Sincerely,

EXPIRES 12/31/2023

Todd Cotten
Registered Professional Engineer
Jacobs

cc: File