



Staff Report

January 2, 2024 Council Workshop Meeting

Well 6-14 Transmission Main Professional Services Agreement Amendment

Presenter: Rob Charles, Utilities Manager

Time Estimate: 5 minutes

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BACKGROUND: The City’s adopted Water System Plan identifies a water transmission main project connecting Wells 6 and 14 at the lower wellfield that will allow the City to move more water into the City’s distribution system. The professional services agreement for the design phase of this project was approved by Council in June 2023. Total design fees for the project total approximately \$225,000 to date. During the design process, it was determined that there are areas within the proposed alignment of the waterline which have the potential for landslide activity due to undocumented and non-engineered fill material which was placed at some time in the past. It was assumed during the design phase contract that the soils on the site were either engineering fill material or of a condition that construction of the water line would not cause any trench failures.

SUMMARY: The proposal amendment for geotechnical services on the project involves the geotechnical consultant coordinating with a contractor to drill bore holes up to 35 feet deep in the subject area and providing recommendations on placement of the waterline through this area. Revised permitting for the City’s planning department will be submitted based on the geotechnical findings.

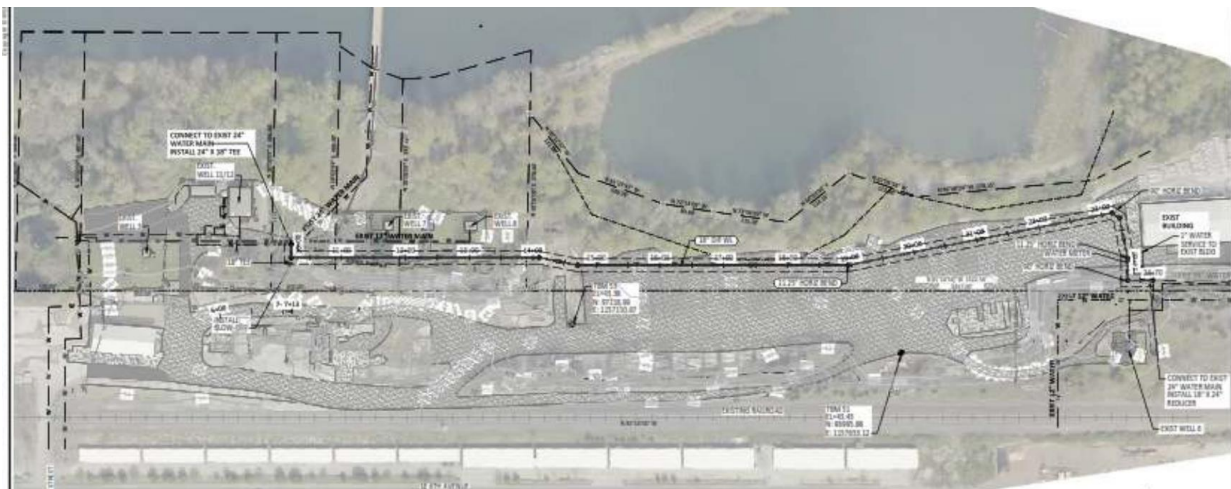


Figure 1: Water line connection between Well 6 and 14 at the City’s Lower Wellfield

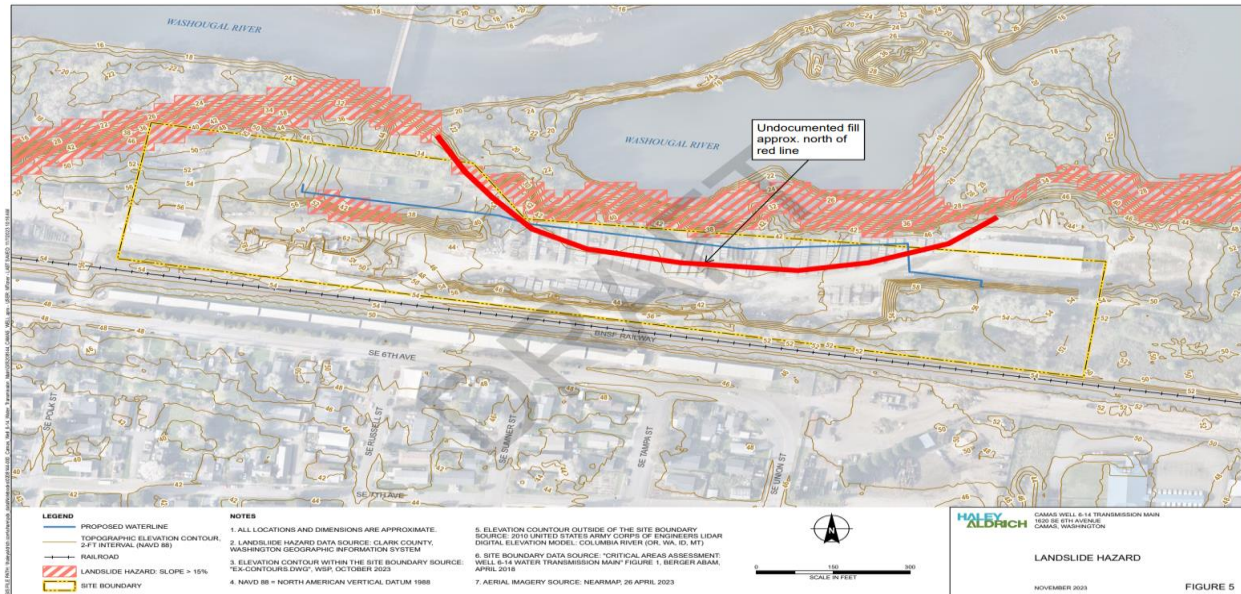


Figure 2: Undocumented fill area within proposed water line alignment

BENEFITS TO THE COMMUNITY: Moving additional water into the distribution system from the lower wellfield will help the city better meet the water consumption needs of its customers.

BUDGET IMPACT: The proposed cost of the geotechnical work is \$73,024.83. There are sufficient funds in the water operating budget to cover this additional expenditure.

RECOMMENDATION: Staff recommends this item be placed on the January 16, 2024, Council Regular Meeting Consent Agenda for Council's consideration.