

EXHIBIT A
Scope of Work
Trane
City of Lynnwood Lift Station 8 and Force Main Improvements
Phase I - Preliminary Design
February 2014

Background

Lift Station 8 and Force Main

The City of Lynnwood (City) is planning to replace the aging Lift Station 8 and force main. The lift station is located at the southeast corner of the Edmonds School District No. 15 bus barn property on Alderwood Mall Boulevard. The existing Lift Station 8 was constructed in the 1980s and has reached its service life capacity. The existing lift station is a packaged wetwell and drywell configuration. The wetwell diameter is 96 inches. The dry well houses two vertical centrifugal pumps, each capable of pumping approximately 600 gallons per minute (gpm).

A design for Lift Station 8 and its associated force main was previously prepared by others. The Lift Station 8 plans and specifications were developed to the 50-percent design level. The force main and gravity main plans and specifications were developed to the 90-percent design level. The Lift Station 8 configuration at the 50-percent design level is a wetwell/drywell configuration with an above-grade building that houses the electrical equipment, heating, ventilation, and air conditioning system (HVAC) systems, odor control room, a restroom, storage room and access to the below-grade drywell. Inside the drywell, three vertical centrifugal sewage pumps and associated mechanical equipment are proposed. It is estimated that the proposed flow that will be routed to Lift Station 8 will be approximately 1,600 gpm.

The current design of the force main includes a 10-inch ductile iron (DI) pipe approximately 2,350 linear feet (LF) from the proposed Lift Station 8 site to a proposed gravity sewer manhole on Alderwood Mall Boulevard. The 12-inch gravity main extends from the connection of the proposed force main to an existing sewer manhole located approximately 1,190 LF southwest of the proposed force main and gravity main connection. The force main and gravity main designs include three (3) bridge crossings along Alderwood Mall Boulevard.

For this project, Trane and the City have determined that there are significant advantages to redesign the proposed Lift Station 8 to a wetwell with submersible pumps configuration. The redesigned above-grade building will house the electrical/control room. RH2 Engineering, Inc., (RH2) will review the existing force main plans and specifications and compare them to the City's current standards.