



**AGENDA  
BILL  
Item 7.E**

**Rocky Ridge and Lakewood  
Sewer Lift Stations  
Improvements Project  
Professional Services Agreement**

DATE SUBMITTED:	November 17, 2021	MEETING DATE:	November 24, 2021
TO: BOARD OF COMMISSIONERS	FROM: Bill Hunter, District Engineer / Assistant General Manager		
GENERAL MANAGER APPROVAL			
ATTACHED DOCUMENTS	1. RH2 Engineering – Phase 1 Predesign Scope of Work and Fee Estimate		
TYPE OF ACTION REQUESTED	RESOLUTION <input type="checkbox"/>	FORMAL ACTION/ MOTION <input checked="" type="checkbox"/>	INFORMATIONAL /OTHER <input type="checkbox"/>

**BACKGROUND / EXPLANATION OF IMPACT**

As part of Lake Whatcom Water and Sewer District’s long-term capital improvement plan, the Rocky Ridge and Lakewood Sewer Lift Stations, constructed in the late 1970’s, are scheduled for renewal or replacement. Both stations are located on the south shoreline of Lake Whatcom between Sudden Valley and Geneva. Physical access to these stations is very challenging due to steep slopes and no public or private access roads. Each of these stations serves a small number of residences.

Following the request for qualifications and consultant selection process, the Board authorized the General Manager to enter into negotiations with RH2 Engineering for a professional services agreement for design and permitting services. District and RH2 staff met virtually to coordinate the scope of work for the initial Phase 1 – Predesign.

The Phase 1 – Predesign scope of work includes an alternatives analysis intended to take a step back, look at the big picture, and consider if other possible options might provide a better long term solution. The fact that these stations serve a very small number of residences, are difficult to physically access, and have some segments of gravity collection mains and manholes located beneath the lake warrant this additional analysis. The goal of the analysis is to determine the best option that provides the most economical solution for long term operation and maintenance of wastewater collection infrastructure (sewer mains, manholes, and pump stations) serving these two small groups of residences.

Phase 1 – Predesign also includes the typical work of preparing an initial topographic survey, gathering of pump and electrical information, predesign report, 30% design plans, and Whatcom County shorelines permitting.

The anticipated schedule is to complete predesign summer 2022; and permitting by end of 2022. Future Phase 2 – Design and Bidding is planned for completion spring 2023. Future Phase 3 – Construction is planned to occur summer 2023.

**FISCAL IMPACT**

The 2021 approved budget includes \$140,000 for predesign and permitting for the Rocky Ridge and Lakewood Sewer Pump Station Improvements Project.

The draft 2022 budget presented at the November 10, 2021 board meeting includes an additional \$40,000 of funding which increases the total predesign and permitting budget to \$180,000.

With the upcoming adoption of the 2022 budget, predesign and permitting work will be fully funded. The majority of this scope of work will be completed (and costs incurred) in 2022.

**APPLICABLE EFFECTIVE UTILITY MANAGEMENT ATTRIBUTE(S)**

Infrastructure Strategy and Performance  
Community Sustainability

**RECOMMENDED BOARD ACTION**

Staff recommends that the Board authorize the General Manager to execute a professional services agreement with RH2 Engineering for the work defined in proposed Phase 1 – Predesign Scope of Work for time and materials not to exceed \$176,085.

**PROPOSED MOTION**

Recommended motion is:

“I move to authorize the general manager execute a professional services agreement with RH2 Engineering for Phase 1 – Predesign Scope of Work for time and materials not to exceed \$176,085 as presented.”