



03.

MAY 2021



The preliminary design of the collection system and wastewater recovery facility is complete. Over the next few months, further archaeological and environmental studies will be held, and the project design will be updated to reflect changes recommended by a Value Engineering process. Material suppliers have signaled a significant increase (~58%) in the cost of materials for items such as PVC pipe, electrical equipment and steel due to COVID-19 impacts on the supply chain. These impacts are being felt in construction projects across the country. The Value Engineering process required by the province will work to keep the project on budget, while still delivering a valuable service to the North Okanagan.

ABOUT THE NORTH OKANAGAN WASTEWATER RECOVERY PROJECT

The North Okanagan Wastewater Recovery Project is the result of a unique partnership launched in 2015 by the **Regional District of North Okanagan (RDNO), Township of Spallumcheen and Okanagan Indian Band (OKIB)** to improve water quality in Swan Lake and local streams, and to provide economic development opportunities through the implementation of a community sewer system.

The project will provide sewer service to residents and businesses in portions of RDNO Electoral Areas B and C, the Township of Spallumcheen's southeast industrial area and have the ability to service parts of OKIB.

STAY IN THE LOOP!

For more information and to sign up for project updates, visit our Wastewater Recovery Project page, hosted by the RDNO at www.rdno.ca. Contact us and subscribe to Wastewater Recovery Project.

NOT SURE IF YOU ARE IN THE SERVICE AREA? CLICK HERE

PROGRESS HIGHLIGHTS HERE'S WHAT WE'VE BEEN UP TO:

- ✓ Preliminary design has been completed for the total system.
- ✓ Infrastructure locations are being optimized to reduce costs. The reclaimed water storage point will likely need to be relocated as the current proposed location has unsuitable soil, and it would raise the total cost of the project to reinforce that location.
- ✓ Municipal Wastewater Regulation (MWR) registration process still ongoing, which will ensure that treated water reuse will comply with the 66 conditions outlined by the Ministry of Environment and Climate Change Strategy.
- ✓ The initial Archaeological Overview Assessment is complete, which has recommended an Archaeological impact study at 10 separate locations throughout the study area. Further studies such as Environmental Management Plans are underway.

VALUE ENGINEERING



Value engineering is a common method used to improve the value of goods and services used in a project through a detailed examination of the function – what these goods and services are intended to do. The value of a function can be improved by either improving the function or reducing the cost.

Firms from Colorado, New Jersey, Washington, Vancouver and Ontario all submitted proposals to conduct the assessment, and ultimately NCE Value Engineers (Toronto) were chosen as they scored highest in the selection process.



BUT... WHAT DOES **VALUE** MEAN?

Every project is different, as is every community's definition of value. Value engineering teams take cost reduction, added quality and life-cycle maintenance into consideration and find the best quality options at the lowest available cost for a project.

WHY DO WE UNDERGO A VALUE ENGINEERING PROCESS?

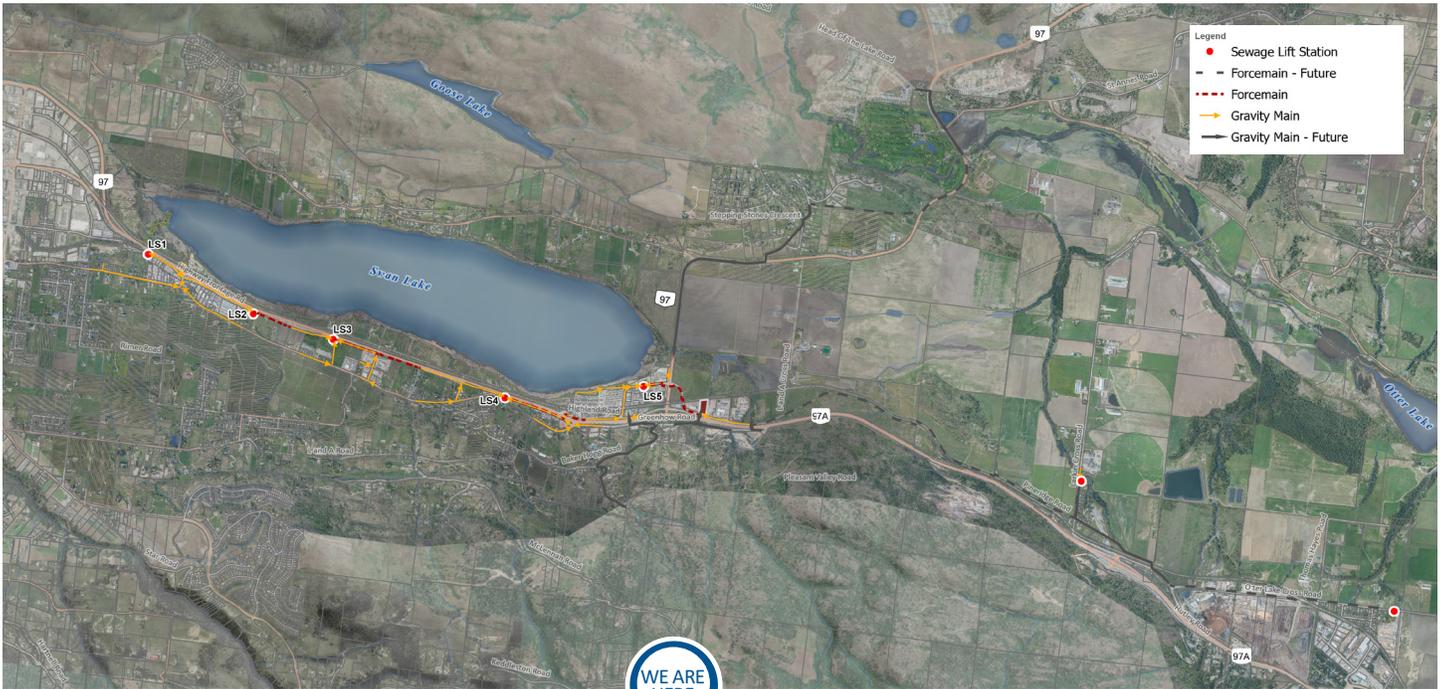
It allows us to look at substituting materials and methods of delivery on a project with less expensive alternatives without sacrificing functionality. Contractors analyze systems, equipment, facilities, services and the supplies needed to get the job done while meeting the required targets in performance, reliability, quality and safety. VE processes are required by the province and will be used to ensure the project stays on budget despite the impacts of COVID-19.

NORTH OKANAGAN WASTEWATER RECOVERY FACILITY PRELIMINARY DESIGN

The preliminary design for the North Okanagan Wastewater Recovery Project can be seen below. Now, third party engineers and contractors will analyze the overall design, costs and value brought to each of the partner communities as part of the Value Engineering process.

STILL HAVE QUESTIONS?

READ THE FAQs FOR MORE INFORMATION AT WWW.RDNO.CA



WHAT'S NEXT?

The project is underway, and we are currently in PHASE 2: DESIGN, which should be complete at the end of 2021.



Here's what's next:

- Complete Value Engineering Assessment
- Revise the project concept, budget and scope and complete detailed design
- Submission of the MWR registration application

This project is made possible by funding from the Government of Canada and Province of British Columbia through the Investing in Canada Infrastructure Program.

