



COMOX VALLEY WATER TREATMENT PROJECT UPDATE

Critical project work continues: Worker safety a top priority

Construction on the essential Water Treatment Project is continuing with guidelines in place to ensure everyone on site stays safe and healthy during the COVID-19 pandemic.

In March, the provincial government released a list of essential services, which includes construction work, such as that underway for the CVRD's new water system.

To allow critical projects like these to proceed safely, the provincial health officer also issued specific guidelines for construction sites to minimize the risks of COVID-19 transmission and illness.

In response to this and WorkSafeBC requirements, which have increased based on BCCDC recommendations, AECON Water Infrastructure Inc., the design-builder for the project, has modified health and safety measures on all work sites for the project.

In addition, Worksafe BC has visited the site and confirmed that health and safety requirements for construction sites are being met.

"Crews have made great strides over the last few months and are working hard to keep timelines on track," said Charlie Gore, Manager of Capital Projects, "The CVRD is sending out a big thank you to all who are keeping this important work moving forward during these challenging times."

Some initiatives currently underway at the worksite include:

- Keeping employees informed through regular COVID-19 updates;
- Additional cleaning and sanitization stations across the worksite;
- Enhanced requirements for shared vehicles and shared tools including appropriate PPE and disinfection of high touch surfaces;
- Stringent pre-screening processes for those returning to site;
- Employee education on physical distancing techniques, monitoring of symptoms and self-isolation requirements.

Ongoing inspections and assessments will continue over the following months, to ensure site safety remains a top priority.

The Water Treatment Project is urgently needed to meet provincial standards and ensure clean, dependable drinking water for our community. To learn more, visit comoxvalleyrd.ca/watertreatment.



Pipe has arrived on site, for the marine pipeline that will transport water from the intake in Comox Lake to the pump station. This pipe will be tunnelled into the lake.

Penstock Corridor: Clearing Continues



Trees being cleared along the penstock corridor

Part of the new water pipeline, that will move treated drinking water from the new treatment plant to the existing transmission system, will be installed beside the existing BC Hydro penstock. Tree clearing and grubbing are well underway along this corridor, with pipe delivery expected this month and pipeline installation planned to be complete by fall 2020.

The CVRD's top priority is always worker safety and the safety of our community. Please remember that this remains an active construction site and no members of the public are permitted on the premise at any time in order to comply with all safety requirements.



Construction Progress Photos

Two important construction sites for this project are the raw water pump station and the water treatment plant. Watch here over the coming months for photos highlighting the progress made at each site.

Raw Water Pump Station



49 piles were drilled down into bedrock to make up the pump station wet well/tunnelling shaft. (Feb. 2020)



The piles were connected to create a solid outside wall for the wet well/tunnelling shaft. (Mar. 2020)



Excavation work is completed to the depth of the wet well/tunnelling shaft, approx. 12m. (Mar. 2020)

Water Treatment Plant



Foundation work for the water treatment plant started earlier this year. (Feb. 2020)



Crews are now working on wall installation for the new water treatment building. (Mar. 2020)



The pipe that will move treated water into the clearwell, a large reservoir which feeds the pipeline to connect to the existing distribution system. (Mar. 2020)

What's Next?

Here's what crews are working on through April/May:

- ▶ Completing excavation for new water intake (next to the Courtenay Fish and Game boat launch), and preparing for the steel sleeve to be tunnelled into Comox Lake
- ▶ Completing foundations for the pump station structure and adjacent electrical building
- ▶ Foundation work for water treatment plant and supporting structures like the equalization tank and clearwell
- ▶ Continuing preparation work along the penstock corridor and delivery of steel pipe for installation
- ▶ Start of installation of pipe for the raw water transmission main between Comox Lake and the Water Treatment Plant

Construction Phase Timeline



For more information

Website: comoxvalleyrd.ca/watertreatment

E engineering@comoxvalleyrd.ca | T 250-334-6000

Comox Valley
REGIONAL DISTRICT

comoxvalleyrd.ca