



ISSUE 7  
AUG. 2020

# COMOX VALLEY WATER TREATMENT PROJECT UPDATE

## Crews achieve project milestone with first water pipeline connection

Hard work on the Raw Water Transmission Main over the past couple months has paid off, with the first connection made to the Raw Water Pump Station. This transmission main will transport water pumped from Comox Lake to the new Water Treatment Plant. Completion of this pipeline is expected later this month.

## What's Happening Now

### Transmission Mains



**Installation** – The raw water transmission main will be tied-in to the main site this month.

The treated water transmission main has seen significant progress, with approx. 30% of total pipe installed to date. Crews have completed the section from Powerhouse Road to Marsden Road and will now continue working west towards the treatment plant.

### Raw Water Pump Station Site



**Preparation** – A silt curtain and ballast bags were installed in Comox Lake, in preparation for tunnelling.



**Tunnelling** – In June, the project team received the final DFO permit for the intake and started drilling into Comox Lake. Once drilling began, crews ran into some difficulties with the microtunneling. The team is working hard to resume drilling and the project timeline remains on track (see timeline at right).



**Construction** – The electrical building is complete: the electrical team has started installing cable tray and conduit (see photo at right).

### Water Treatment Plant Site



**Construction** – Foundations and structural concrete for the treatment plant are making significant progress with major concrete milestones achieved (see photo at right): the pipe gallery, chemical tank containment areas and clearwell east cell walls are complete. Plus the filter basin, flocculation tanks and backwash treatment tanks are progressing quickly.



Crews pouring concrete for the filter chamber at the Water Treatment Plant



Electrical building at the Raw Water Pump Station

## Construction Phase Timeline



Construction kick-off ceremony with K'ómoks First Nation



Construction complete on water pipelines



Construction complete at Comox Lake (pump station and marine intake)



Construction complete at Water Treatment Plant



Commissioning complete



Grand opening with K'ómoks First Nation



## Construction Progress Photos

Two important construction sites for this project are the raw water transmission main and the water treatment plant. See below for photos highlighting the progress made on these parts of the project.

### Raw Water Transmission Main



Installation of the raw water transmission main started earlier this year. (Apr. 2020)



This transmission main will move water from the raw water pump station site at Comox Lake to the new treatment plant. (May 2020)



The pipe at the gate of the water treatment plant site along Lake Trail Rd – ready for tie-in to the main site. (Jul. 2020)

### Water Treatment Plant



Excavation of the clearwell – a large reservoir which feeds the pipeline that connects to the existing distribution system. (Mar. 2020)



Clearwell structure starting to take shape. (Apr. 2020)



Concrete is poured and walls are installed at the clearwell. (Jul. 2020)

## What's Next?

Here's what crews are working on through Aug./Sept.:

- Progressing the electrical work for the electrical building at the Raw Water Pump Station site.
- Continuing with the concrete pouring for the water treatment plant and starting mechanical/electrical work.
- Installing steel pipe for the treated water pipeline between the treatment plant and the existing transmission system, travelling west from Duncan Bay Mainline Road towards Highway 19.
- Completing the installation of pipe for the raw water transmission main between Comox Lake and the water treatment plant.
- Working to ensure safety precautions related to COVID-19 are in place so construction can continue safely through the fall months.

## Thank You, Comox Valley!



The past couple months saw closure of Colake Rd. and traffic delays along Comox Logging Road as construction ramped up on the project. **Thanks to the community** for your patience, as crews completed important work installing water pipelines. Please note that some work zones may still be active through the summer months – please continue to respect all construction signs and speed limits through the area.

## For more information

Website: [comoxvalleyrd.ca/watertreatment](http://comoxvalleyrd.ca/watertreatment)

E [engineering@comoxvalleyrd.ca](mailto:engineering@comoxvalleyrd.ca) | T 250-334-6000

 **Comox Valley**  
REGIONAL DISTRICT

[comoxvalleyrd.ca](http://comoxvalleyrd.ca)   