



# CUMBERLAND Wastewater Upgrades Newsletter

A quarterly update on Cumberland's high performance lagoon upgrade

ISSUE 4  
MAY 2023

Welcome to the Village of Cumberland's Wastewater Upgrades Project newsletter. These newsletters will keep you informed progress on this important infrastructure upgrade. For more information and ongoing updates, check out the website at [www.cumberland.ca/wastewaterupgrades](http://www.cumberland.ca/wastewaterupgrades)



Clearing on the site has made room for new treatment infrastructure and access for equipment

## ACTIVE CONSTRUCTION ON UPGRADES PROJECT TO KICK OFF IN MAY

Upgrades to Cumberland's wastewater treatment system are set to get underway next month, putting into place plans that will allow the village to achieve its goals, and meet requirements for wastewater management.

The work to begin soon focuses on getting the Village to reach the treatment requirements set by the Province. This is important to ensuring we are operating in a sustainable way, and will continue to do so into the future.

This is the largest infrastructure project the Village has undertaken and we're committed to keeping you informed of the work ahead.

### SCHEDULE MILESTONES:

#### June: Contractors mobilize to site

Teams set up and prepare to get started on active construction.

#### June-January 2024: Active construction

Work will be ongoing over seven months. Residents in the area can expect some increased noise and truck traffic during this period, though the construction zone is buffered by trees.




#### January 2024: Commissioning

The facility will be largely constructed, and the team will begin the process of getting it up and running.

#### April 2024: Completion

## DID YOU KNOW? COSTS OF TREATMENT

Here's some quick facts about the financial side of the Wastewater Upgrades Project

-  This is the largest capital project undertaken by the Village of Cumberland to date, with a currently projected cost of \$13 million for Phase 1 works and \$4.5 million for Phase 2. Costs are being reviewed now and will be updated
-  Grants will pay for a majority of this project. Here is a breakdown of funding:
  - Canada - BC investing in Canada Infrastructure Program Federal contribution \$3.9 million
  - Canada - BC investing in Canada Infrastructure Program Provincial contribution \$3.2 million
  - Federation of Canadian Municipalities "Green Municipal Fund" - Loan of \$2.26 million and grant of \$0.34 million
  - Canada Community Building Fund \$2.5 million
-  This combination of engineered and naturalized systems will have lower operating costs than a traditional mechanical wastewater treatment system.



## GRANT FUNDING SUPPORTS WASTEWATER IMPROVEMENTS

With support from the Government of Canada, Province of B.C. and Union of B.C. Municipalities (UBCM), the Village will be able to move both phases of the proposed Wastewater Upgrades, thanks to a \$2.5 million grant from the Canada Community Building Fund announced in mid-April.

“Moving forward with wastewater improvements is a top priority for the Village as we work to ensure we are operating responsibly and sustainably,” said Mayor Vickey Brown. “Today’s announcement enables us to take the wastewater upgrades a step further - to not only meet regulatory requirements, but also community goals around environmental protection and recreation.”

With this funding secured, the Village can now move forward plans for these additional components identified through the planning process:

- 1 Wetland Enhancement:** Using the reed bed treated water to irrigate an area of the existing natural wetlands for further polishing of the water by dispersed flow into the creek.
- 2 Seismic Upgrades:** Improving Lagoons by infilling existing Maple Lake Creek channel and regarding berm walls.
- 3 Stormwater Treatment Wetland:** Improvements to the western wetland ponds to make them a functional stormwater treatment wetland, and passing Mill St. and Cumberland Rd. stormwater through them before reaching Maple Lake Creek.
- 4 Maple Lake Creek Improvements:** Naturalization of Maple Lake Creek by re-routing to the east - away from the lagoons - and introducing natural weirs and fishways.
- 5 Walkways:** Explore options for trails in and around Maple Lake Creek.

Construction on Phase 2 will occur after the first stage of upgrades is completed in 2024.



### THE WASTEWATER TREATMENT SITE IS CLOSED TO THE PUBLIC DURING CONSTRUCTION

Fences have been installed to protect people, and to project equipment/ materials. The fencing will stay in place after to prevent access to the lagoons.

Please keep to marked trails on park land.

## A BETTER SYSTEM

Phase 1 of the Wastewater Upgrades Project - to be completed in 2023 - includes:



IMPROVED  
SCREENING



NEW FLOW  
PATH IN LAGOONS  
+ EXTRA AERATION



ADDING NUTRIENTS  
FOR PHOSPHORUS  
REMOVAL



ENVIRONMENTALLY-  
FRIENDLY  
DISINFECTION



OPERATOR'S  
BUILDING,  
WORKSHOP



IMPROVED  
INSTRUMENTATION



SITE  
SECURITY

## STAY IN TOUCH

This update is issued by the Village of Cumberland to keep the community informed about the Cumberland Wastewater Upgrade project.

To stay updated about the project’s progress:



[Cumberland.ca/wastewaterupgrades](http://Cumberland.ca/wastewaterupgrades)



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