



CUMBERLAND Wastewater Upgrades Newsletter

A quarterly update on Cumberland's high performance lagoon upgrade

ISSUE 2
MARCH 2022



PLANS CONFIRMED FOR WASTEWATER TREATMENT UPGRADES

Project plans are now confirmed for the Village of Cumberland's critical Wastewater Treatment Upgrades Project, with council approving a two-phased approach that will address compliance requirements in 2022/23, and look forward to additional improvements following that completion.

An update was provided to Council on February 14, outlining the outcome of the preliminary design process, which identified required changes to parts of the project scope.

The severe heat of summer 2021 and then significant rains of the fall, added additional planning requirements to the system, including the need to change the original approach to aeration of the lagoon system, and the original intent to rely on a gravity-flow treatment system. The lagoon upgrades will now include subsurface diffused aeration of both lagoons and pumped flow to treatment components on higher ground. These two changes create significant climate resiliency - providing flood protection to the works making and able to

achieve performance under the widest range of current and expected future conditions.

To accommodate these changes, the project has been separated into two phases. The first phase is all of the treatment upgrades required to achieve regulatory compliance, and this work will happen in 2022 and 2023. The second phase are all the works to achieve the aspirational goals of higher level treatment, removing pharmaceuticals, seismic upgrades, wetland and habitat restoration an enhancement, and creating new recreational trails. Phase 2 works will happen in 2023 and 2024. Additional grant funding is being pursued to support the Phase 2 works.

Work is expected to start on site in April with preliminary tree clearing (see story on Pg. 2), and construction will begin on the lagoon upgrades in the summer, with completion expected in fall of 2023.

Watch for additional updates, and review more information, at the project website: www.cumberland.ca/wastewaterupgrades

NEW TRAIL CREATED

The wastewater lagoon area is a well-used trail area - including the access road that offered residents a connection between trail networks. For safety reasons, the lagoon area will have to be closed to pedestrians during construction, including the access road. In order to offer an alternate connection, the Village of Cumberland created a new trail to the west of the access road, connect trails on both sides of Ulverston Ave. The work was completed in December and is now in use.

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



wwt-upgrades@cumberland.ca





The shaded areas show where trees will need to be cleared on site, and the yellow line indicates location of the new fence.

TREE CLEARING AND SITE PREP TO BEGIN

The Village’s contractor is preparing to start preliminary work on the site, required to be completed before construction begins and within environmental management windows. Here’s what you need to know.



Tree Removal – Trees will need to be removed in the area between the Island Health laundry facility and treatment lagoons, and along the west and north sides of the site. The highlighted areas in the image above represent the areas where trees will be removed to allow for the new treatment components, and proper maintenance of the facility



Schedule/Timing – Removal is expected to begin in April, though dates are still to be confirmed.

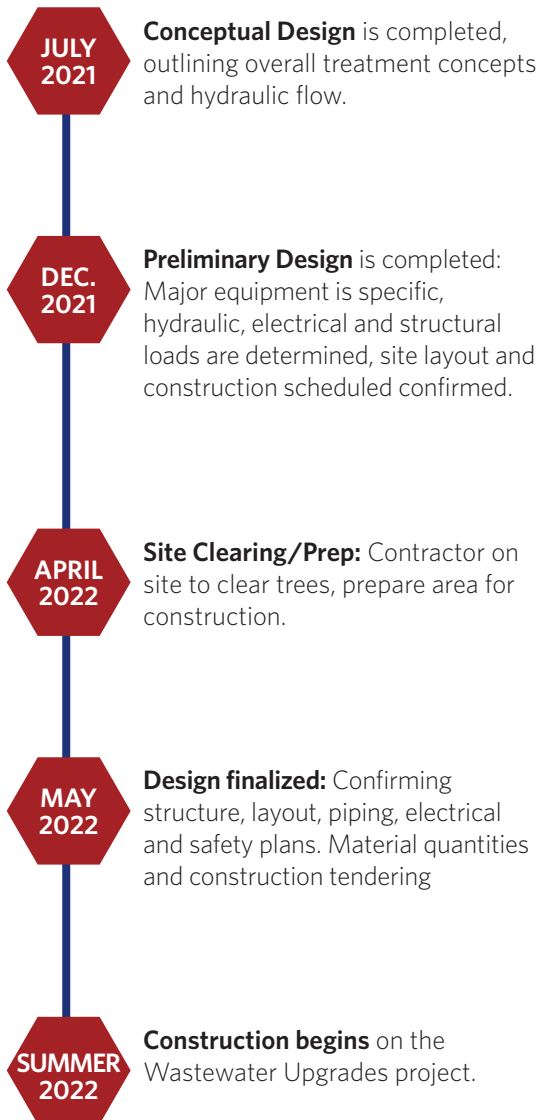


Construction in Summer – Construction will begin in earnest on the property in the summer, which means following the tree removal there will be a period of reduced activity through the spring.

The project team is undertaking environmental monitoring to ensure that all protection requirements are being met during this work, and to reduce the impact as much as possible.

PROJECT TIMELINE

The Wastewater Upgrades Project is an exciting project for the Village that will ensure its wastewater is properly treated in the long-term. Follow along on the timeline ahead:



SITE CLOSURE FOR CONSTRUCTION

In order to protect the public’s safety during construction and in the long-term, the lagoon site will be fenced as part of this project. Chain-link fencing is expected to be installed in spring (see image at top of Pg. 2 for location). The Village understands this area is well used as a part of the wider trail network, and an alternate trail has been created to offer trail connections (see “New Trail Created” on Pg. 1). Fencing in the short term will protect the public from construction activity, and in the long-term, it will keep people and animals away from the lagoons and treatment facilities. Access to the wider site and wetland is part of future planning stages.

