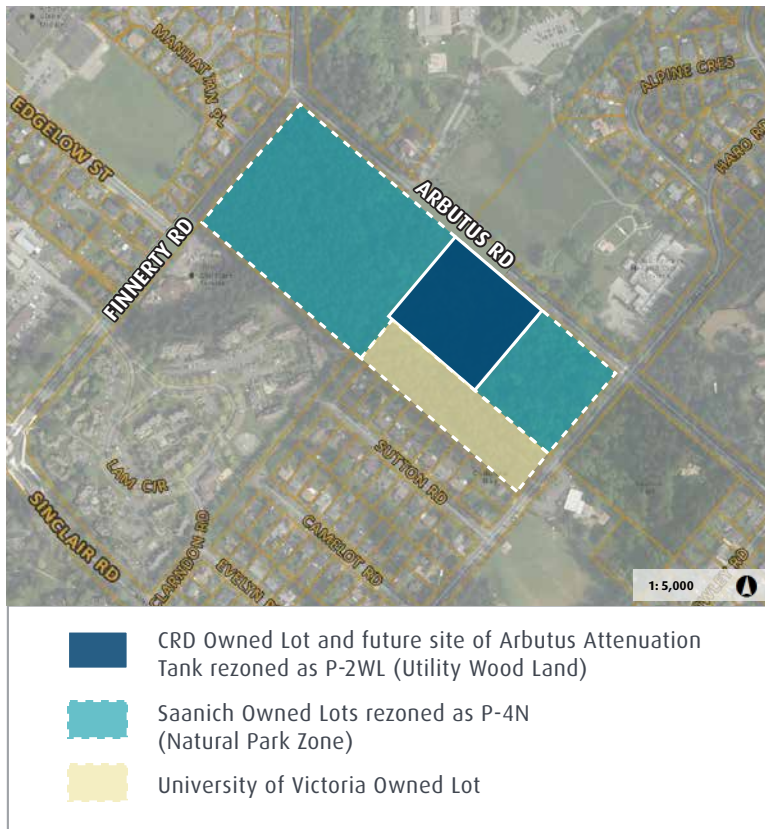


Arbutus Attenuation Tank - Saanich

The Arbutus Attenuation Tank is part of the Wastewater Treatment Project. It will be a buried underground concrete tank that will temporarily store wastewater flows during high volume storm events, to reduce the number of sewer overflows. The tank is one of several wastewater conveyance system upgrades that are part of the Wastewater Treatment Project to deliver tertiary wastewater treatment to residents in the Capital Regional District (CRD)'s core area municipalities.

HARO WOODS AND PROPERTY LOCATION



PROJECT DESCRIPTION

The Arbutus Attenuation Tank will be located on Arbutus Road, across the street from Queen Alexandra Hospital, in Saanich.

- In July 2013, Saanich Council approved the rezoning and subdivision of two properties on Arbutus Road. This enabled a land exchange agreement with the CRD, which allows the Arbutus Attenuation Tank to be installed on lands that are already partially cleared and have been previously disturbed during the construction of existing sewers.
- The land exchange secured the long-term preservation of the vast majority of Haro Woods as a nature park, adding 2.8 hectares of land to Saanich's park inventory.
- As part of the construction of Arbutus Attenuation Tank, there will be road frontage improvements including bike lanes, sidewalks, and stormwater management.
- Once construction is complete the site will be planted with vegetation considering the local woodland setting.



CONSTRUCTION

- Construction of the tank is expected to begin in 2019 and will take approximately one year to complete.
- The Wastewater Treatment Project Team will engage with the surrounding communities before and during construction to ensure that the community is fully informed on the progress of the construction and has advance notice of construction activity. Communication tools include: a project information phone line, email, social media, website, community updates, construction notices, traffic media updates, advisories where appropriate, and community information meetings.

WHAT IS THE ARBUTUS ATTENUATION TANK?

- The Arbutus Attenuation Tank will temporarily store wastewater flows caused by inflow and infiltration (of rainwater and groundwater) during high volume storms.
- The 5,000m³ tank will be empty except during high volume storm events.
- High volume storm events usually occur in the winter. During these events, excess wet weather flows will be diverted into the Arbutus Attenuation Tank.
- The temporary storage of wastewater will mitigate overflows and reduce impacts along the coastline.
- Once the high storm flow has passed, the tank will empty back into the existing sewer system, through the East Coast Interceptor (ECI) trunk sewer system, which directs wastewater to the Clover Point Pump Station and then to the McLoughlin Point Wastewater Treatment Plant.
- Once the tank is emptied, an automatic cleaning system will be activated to clean the floors, walls and columns of the tank.
- CRD staff will inspect the tank after each use to ensure it is cleaned and that all wastewater has drained back into the sewer system.
- The tank will be kept under negative air pressure to draw air within the tank directly into an activated carbon absorber system that will contain and suppress potential odours. This system has been implemented successfully at the Marigold Attenuation Tank.

About the Wastewater Treatment Project

The Wastewater Treatment Project will provide tertiary treatment for wastewater from the core area municipalities of Victoria, Esquimalt, Saanich, Oak Bay, View Royal, Langford and Colwood, and the Esquimalt and Songhees First Nations. The Wastewater Treatment Project will be built so we comply with federal regulations by the end of 2020, and is being funded by the Government of Canada, the Government of British Columbia and the CRD.

For More Information

Website: wastewaterproject.ca

Email: wastewater@crd.bc.ca