

The Macaulay Point Pump Station and Forcemain

The Macaulay Point Pump Station will pump wastewater from Colwood, Langford, View Royal, Esquimalt, Saanich and Victoria to the McLoughlin Point Wastewater Treatment Plant for tertiary treatment.

The new Macaulay Point Pump Station will continue to provide bypass pumping to the Macaulay Point outfall during heavy rainfall.

The Macaulay Forcemain is the pipe that will connect the Macaulay Point Pump Station to the McLoughlin Point Wastewater Treatment Plant.



Macaulay Forcemain route

CONSTRUCTION

Construction will begin in March 2018 and is anticipated to be complete in summer 2020. Kenaidan Contracting Ltd. is the contractor that has been selected to complete this work.

Construction activities will comply with the local noise bylaw for hours of work and noise levels. Anticipated work hours are Monday to Friday from 7:00 a.m. to 6:00 p.m. with limited work anticipated on Saturdays.

NOISE AND ODOUR

Noise from the new pump station will not exceed the current level of noise from the existing pump station. The pump station will be designed with state-of-the-art odour control systems so there will be no discernible odour in the community.

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 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.



Macaulay Point Pump Station Design

The new pump station design reflects its location on the waterfront, greatly improving the visual impact of the building and creating a park amenity for the community to enjoy.

The new pump station will be constructed of wood and will be mostly below-grade, increasing green space for the community. There will be one storey above ground, with a pitched roof that slopes toward the ocean. This building shape will complement the slope of the site, minimizing its impact on the landscape.

Landscaping will be used to integrate the building with the surrounding area. The design maximizes vegetation opportunities and landscape functionality: it transforms an almost entirely impermeable lot into an environmentally-rich, park-like setting with public amenities.

The pump station design applies Leadership in Energy and Environmental Design (LEED) principles. Sustainable design elements include:

- Rainwater run-off control using a rain garden and storm water management system
- Native plants to reduce irrigation requirements
- Low-level lighting to minimize light pollution
- Green roof
- Increased open space
- Durable materials with the above grade structure made entirely of B.C. wood



Artist rendering of the Macaulay Point Pump Station

For More Information

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