

Wastewater Treatment Project

All major components of the Wastewater Treatment Project are under construction and significant progress has been made. With over 550 people working on 22 active construction sites, the Project remains on schedule to be complete by the end of 2020 to meet the federal and provincial regulations for wastewater treatment.

Construction Updates

MCLOUGHLIN POINT WASTEWATER TREATMENT PLANT

The site at McLoughlin Point remains busy with concrete work with about 70% of concrete placed for the structure. Progress is also being made on piping and structural steel. Drilling for the outfall was completed this spring with a micro-tunnel boring machine. The outfall pipe was assembled in Nanoose Bay and will be towed by barge in July and then submerged into the water and put in place. Utility and pipe installation in the roads near McLoughlin Point are also underway.

CLOVER POINT PUMP STATION

The Clover Point Pump Station is being upgraded and expanded. Concrete pouring continues as the foundation for the expansion to the pump station is built up. Equipment for the new section of the pump station is beginning to arrive on site.

RESIDUALS TREATMENT FACILITY

The Residuals Treatment Facility will treat the residual solids from the McLoughlin Point Wastewater Treatment Plant and turn them into Class A biosolids. The site has transformed from an empty gravel lot to a hub of activity. The digesters are beginning to take shape as the roof is raised and the walls built. Foundations are being poured and structural steel erected for the other buildings on site.

ARBUTUS ATTENUATION TANK

Located on CRD land in Haro Woods in Saanich, the Arbutus Attenuation Tank is a 5,000m³ underground tank that will store wastewater flows during storm events. The site was cleared in March and site preparation is currently underway to be followed by excavation. Once construction is complete, the site will be planted with vegetation appropriate for the local woodland setting.



Construction progress at the McLoughlin Point Wastewater Treatment Plant

RESIDUAL SOLIDS CONVEYANCE LINE (RSCL) & PUMP STATIONS

Three small pump stations are being built as part of the Residual Solids Conveyance Line to convey the residual solids from the McLoughlin Point Wastewater Treatment Plant to the Residuals Treatment Facility for treatment. They are located in the road right-of-way at Interurban and Courtland Ave near Camosun College, next to the Interurban Rail Trail near West Saanich Road and Observatory Road, and on Hartland Landfill property on Willis Point Road. Construction began on the RSCL in February and is expected to be complete by next spring.

MACAULAY POINT PUMP STATION & FORCEMAIN

The Macaulay Point Pump Station continues to take shape as concrete pouring continues on site. Concrete is anticipated to be complete by the end of the summer and will be followed by construction of the wood structure above ground. Forcemain installation began in June and is progressing down Anson Street. The pipe is 1350mm in diameter and will convey wastewater from the Macaulay Point Pump Station to the McLoughlin Point Wastewater Treatment Plant for treatment.



Progress at the Residuals Treatment Facility



Installation of the Macaulay Forcemain on Anson Street

CONSTRUCTION SUMMARY



22

active construction sites



550

construction workers



10,773m

pipes laid



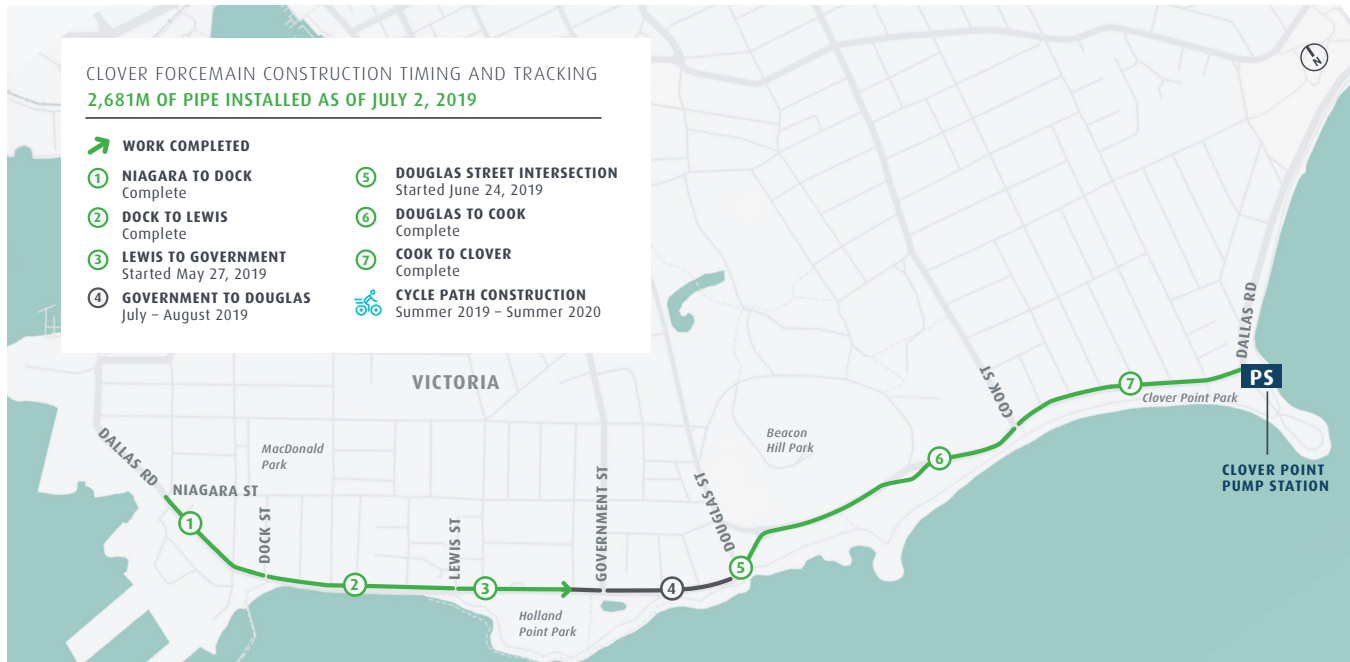
30,248m³

concrete poured

Progress Maps

CLOVER FORCEMAIN

On Dallas Road, installation of the Clover Forcemain is progressing ahead of schedule with over 80% of the pipes installed.



RESIDUAL SOLIDS CONVEYANCE LINE

Multiple crews are working on the Residual Solids Conveyance Line with over 40% of the pipes installed.



Dallas Road Amenities

As part of construction of the Clover Forcemain and Clover Point Pump Station, there are a number of public amenities that will be constructed. This includes a two-way protected cycle path from Dock Street to Clover Point. Construction of the cycle path is anticipated to begin over the summer and be complete by summer 2020.

OTHER AMENITIES INCLUDE:



A new crosswalk at Boyd Street, Government Street and Linden Avenue



Public benches



Wayfinding signage



Bike racks

AT CLOVER POINT, NEW AMENITIES INCLUDE:



Public washroom



Bike repair station



Bike racks



Two viewing plazas with benches, drinking fountain and litter receptacle



Artist rendering of the cycle path to be constructed

Summer Traffic Route: Esquimalt

As part of the Traffic Management Plan approved by the Township of Esquimalt, there is an alternate summer route for truck traffic. This is in effect from the first week of July to the last week of August.

