

COMMUNITY INFORMATION OPEN HOUSE

Welcome



**Wastewater
Treatment Project**
Treated for a cleaner future



**Welcome to the Wastewater
Treatment Project Community
Information Open House**

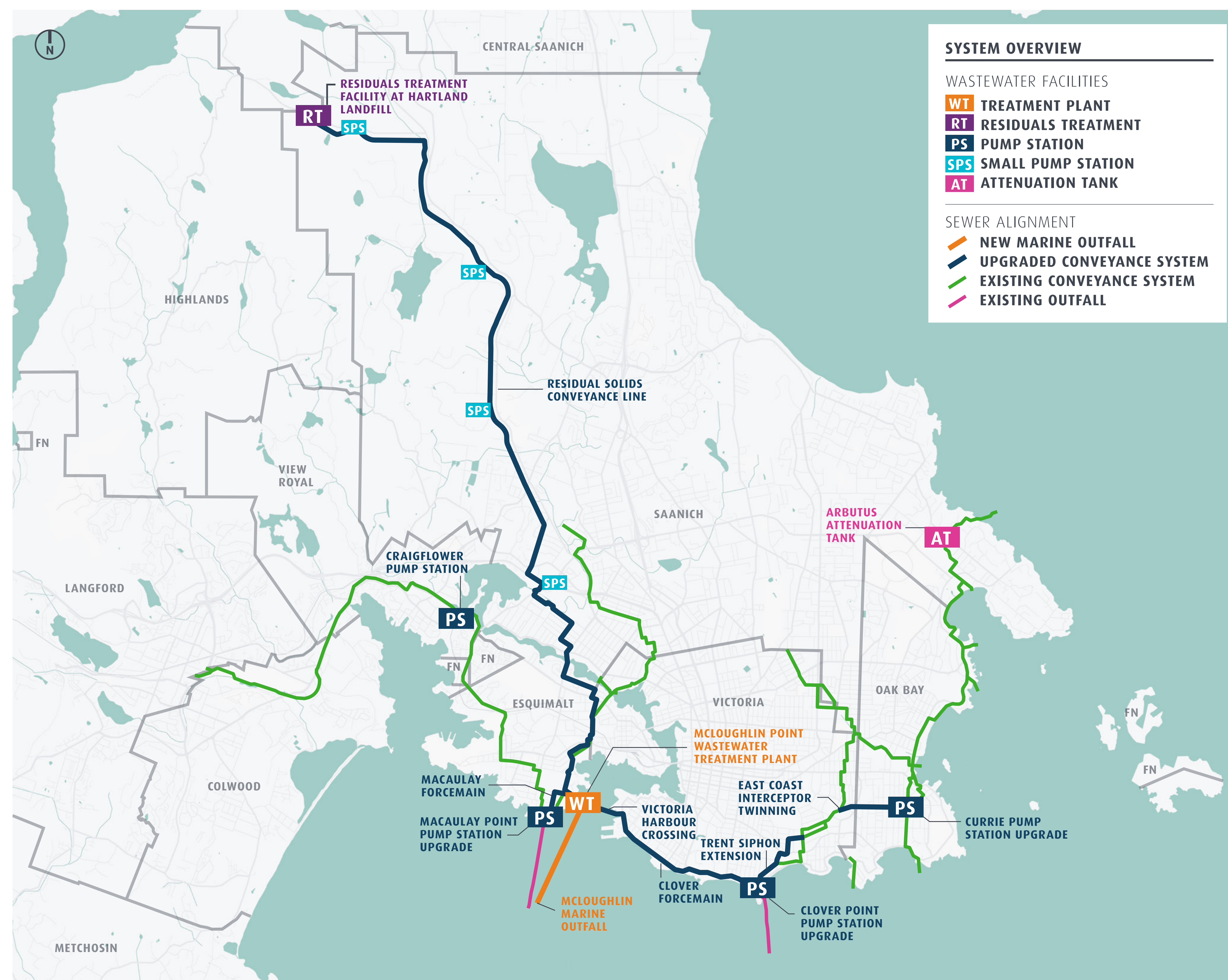
Members of the Project Team and the contractor will provide information and answer questions about construction along Dallas Road.

Wastewater Treatment Project



Wastewater Treatment Project
Treated for a cleaner future

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 Project is being built so we comply with federal regulations by the end of 2020.



THE PROJECT CONSISTS OF THREE MAIN COMPONENTS:

McLOUGHLIN POINT WASTEWATER TREATMENT PLANT

Located at McLaughlin Point, the wastewater treatment plant will provide tertiary treatment to the core area's wastewater.

RESIDUALS TREATMENT FACILITY

Residual solids from the wastewater treatment plant will be piped to Hartland Landfill, where they will be turned into what are known as Class A biosolids. These biosolids are a high quality by-product treated such that it is safe for further use.

CONVEYANCE SYSTEM

The conveyance system refers to the “pumps and pipes” of the Wastewater Treatment Project. This system will carry wastewater from across the core area to the treatment plant, and carry residual solids from the wastewater treatment plant to the Residuals Treatment Facility.

Project Funding



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The Wastewater Treatment Project costs \$765 million.
The Project is funded by:

GOVERNMENT OF CANADA

- Up to \$120 million through the Building Canada Fund for the McLoughlin Point Wastewater Treatment Plant
- Up to \$50 million through the Green Infrastructure Fund for the conveyance system
- Up to \$41 million through the P3 Canada Fund for the Residuals Treatment Facility

GOVERNMENT OF BRITISH COLUMBIA

- Up to \$248 million for the three components of the Project

THE CAPITAL REGIONAL DISTRICT

- Remaining \$306 million for the three Project components; responsible for any additional costs

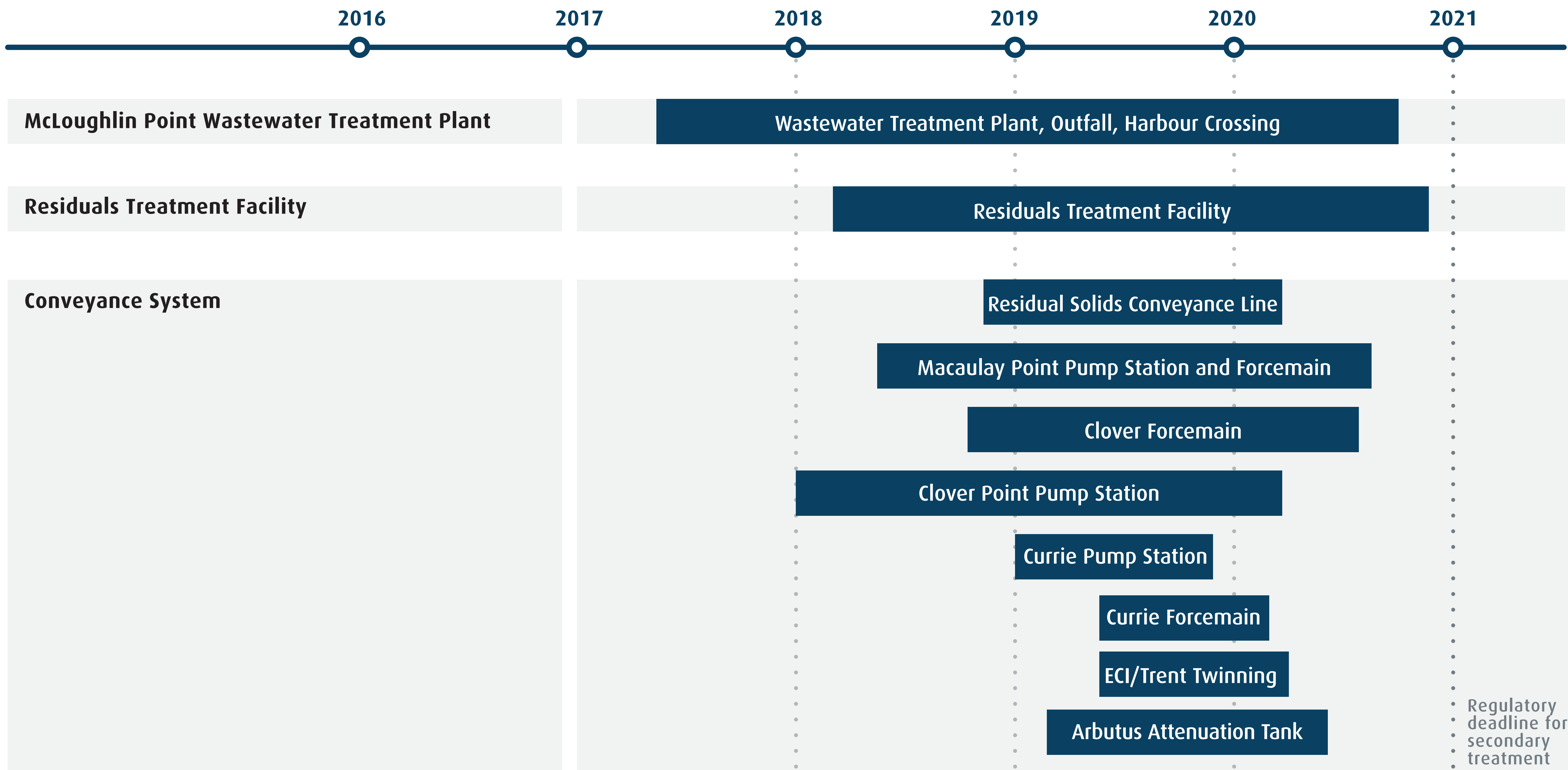


Construction Schedule



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Construction + Commissioning



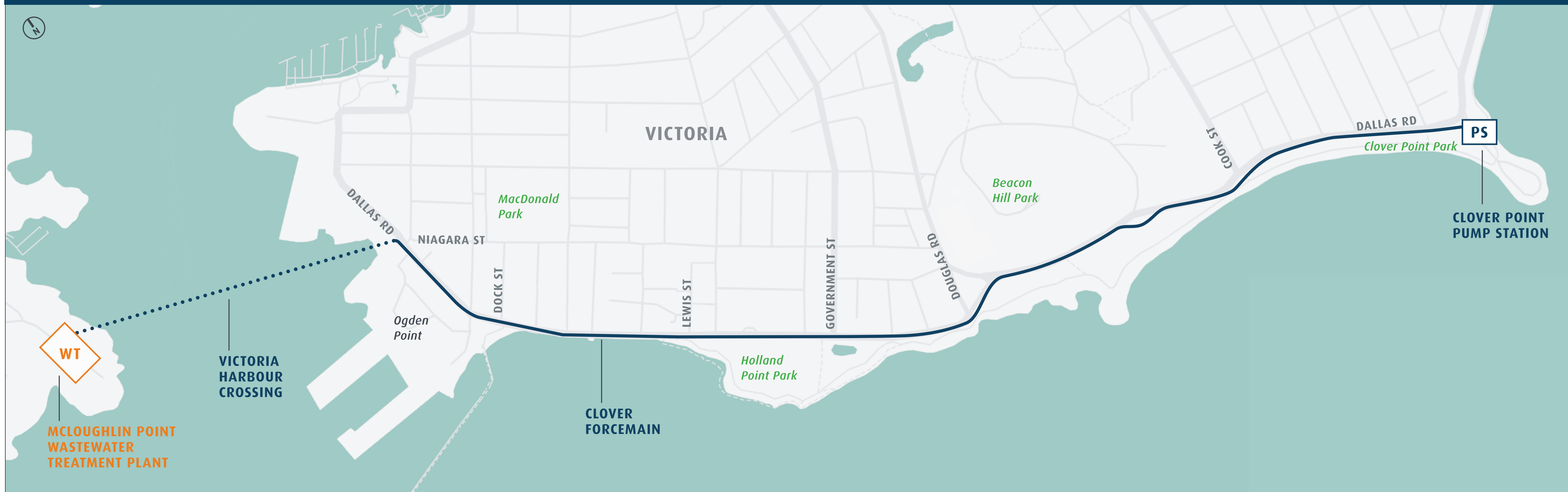
**Schedule subject to updates as project planning progresses.*

The Wastewater Treatment Project will be constructed through separate elements between 2017 and the end of 2020. Communications and engagement activities will take place in advance of Project construction beginning in each area.

Clover Forcemain (pipe)



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What is the Clover Forcemain?

- The Clover Forcemain is a pipe that will connect the Clover Point Pump Station to the Victoria Harbour Crossing at Ogden Point.
- The pipe is 3.2km long and 1.2m in diameter.
- The harbour crossing was completed in April 2018.
- The pipe will convey wastewater from Victoria, Saanich and Oak Bay to the McLoughlin Point Wastewater Treatment Plant for tertiary treatment.
- It will be installed within the Dallas Road corridor.
- The Clover Forcemain alignment was developed in collaboration with the City of Victoria and approved by council.
- Construction is anticipated to take almost two years, starting October 2018 and be completed by mid-2020.

Sequence of Construction



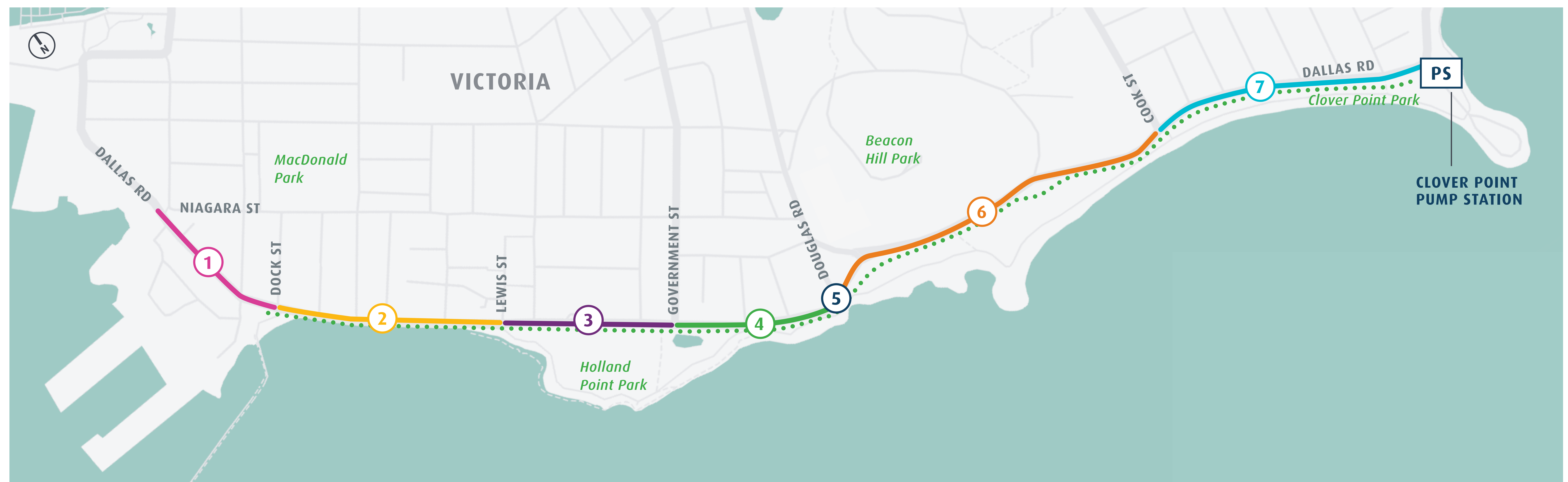
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The work along Dallas Road will be completed in sections, working between Ogden Point and Clover Point.

- Site mobilization will begin in October with the contractor setting up site trailers and a laydown area at Ogden Point.

- Pre-construction activities such as archaeological work and relocation of existing utilities will begin in the fall.
- Forcemain installation is anticipated to begin in December 2018.

- There will be multiple crews working during the construction.
- Construction notices will be distributed in advance of construction.



1 NIAGARA TO DOCK
Winter 2018–2019

3 LEWIS TO GOVERNMENT
Spring 2019

5 DOUGLAS STREET INTERSECTION
Summer 2019

7 COOK TO CLOVER
Fall 2019

2 DOCK TO LEWIS
Winter 2019

4 GOVERNMENT TO DOUGLAS
Summer 2019

6 DOUGLAS TO COOK
Summer 2019

●●● CYCLE PATH
2019–2020

The anticipated sequencing may be amended based on construction progress. Schedule subject to change.

Schedule updates will be posted to the website.

Key Construction Activities



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General construction procedure

1. Set up pipe assembly work area
2. Pipe delivered to assembly area
3. Excavate 100m trench sections
4. Fuse pipe sections together
5. Lower pipe segment into the excavated trench
6. Connect pipe segments
7. Plug trailing end
8. Backfill soil around pipe
9. Surface restoration
10. Start excavation of next 100m segment



**WORK
HOURS**

Monday – Friday

7:00 a.m. – 7:00 p.m.

Saturday

10:00 a.m. – 7:00 p.m.

Construction Impacts



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What to expect during construction

To accommodate the busy tourist and cruise ship season, there will be no construction between Ogden Point and Dock Street from mid-April to mid-October.



TRAFFIC

- Single lane alternating traffic will be maintained with traffic control personnel directing traffic as required.
- Short closures of Dallas Road may occur. Detours will be implemented when required.
- Electronic signs will be used to inform traffic of existing and anticipated construction conditions.
- Vehicle access to residences and businesses will be maintained. Any closures will be coordinated with residents in advance.

PARKING

- There will be parking impacts during construction activities.
- Existing parking restrictions along Dallas Road and adjacent residential streets will remain in effect during construction.

PARK ACCESS

- Access to Clover Point Park and the pathway along Dallas Road will remain open during construction.
- Pedestrian access will be maintained, temporary detours may be required.

NOISE/DUST LEVELS

- Water trucks will be used to minimize dust from excavation.
- The streets will be regularly cleaned with a street sweeper.
- Noise levels will be within the City of Victoria's noise bylaw.

Environmental and Archaeological Considerations



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ARCHAEOLOGICAL CONSIDERATIONS

- Prior to construction, the Project Archaeologist will complete additional investigations and recover archaeological materials.
- The Project Archaeologist will monitor activity in archaeological sites along the route of the forcemain and will examine/screen the excavated soil.
- Archaeological items found will be recorded and deposited with the Royal BC Museum.



FIRST NATION ENGAGEMENT

- The Esquimalt and Songhees Nations have provided guidance on cultural and archaeological protocols.
- As partners on the Project, representatives from the Songhees and Esquimalt Nations have been involved in the design of the pump station exterior and public space improvements.



ENVIRONMENTAL CONSIDERATIONS

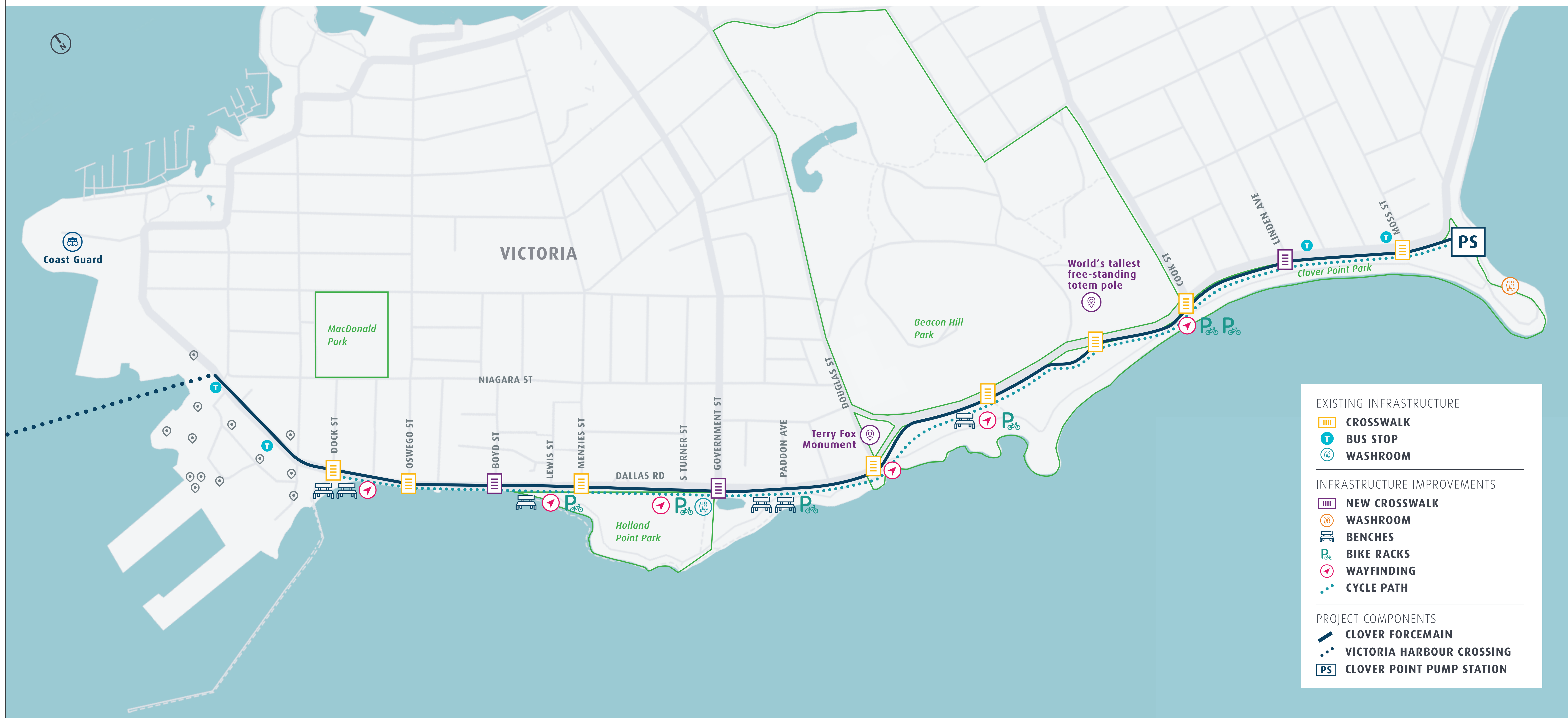
- The Clover Forcemain alignment was developed in collaboration with City of Victoria staff and considered protection of the bluffs and the location of mature trees and sensitive vegetation.
- Prior to work beginning, tree protection fencing will be erected around all trees within 5m of any excavation.
- Identified invasive plants will be removed from the work area.
- A pre-construction rare plant survey has been conducted by a botanist.

Infrastructure Improvements



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A goal of the Project is to add value to the surrounding community and to enhance the livability of neighbourhoods. To accomplish this, the Project has identified infrastructure improvements as part of the construction of the Clover Forcemain and Clover Point Pump Station, with the City of Victoria's input.



Clover Point Public Space Improvements



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1. Cycle path
2. Gathering/dismount area for cycle path with bike racks and bike kitchen.
3. Viewing plaza with benches, drinking fountain and litter receptacle
4. Connecting sidewalk to Clover Point
5. Lower plaza viewing rest area
6. Raised grade to conceal washroom building
7. Public washroom
8. Connecting walkway to the Ross Bay seawall

The improvements were developed and approved by City of Victoria Council.

Cycle Path



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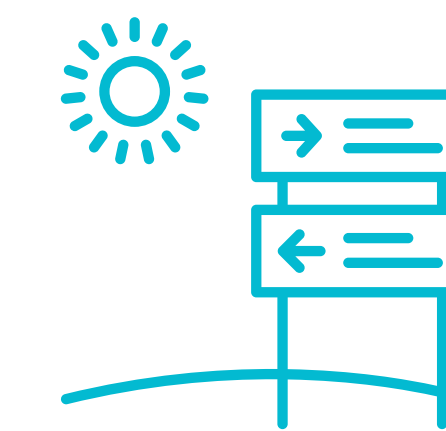
Once the forcemain is installed, restoration will take place which includes the construction of a cycle path from Dock Street to Clover Point on the same route as the forcemain.



Cycle path construction and restoration work is anticipated to be complete in the summer of 2020.



Artist rendering



This also includes line painting, installing benches, wayfinding signage, bike racks, plantings and split-rail fencing at key points between dog off-leash areas, and a gathering/dismount area at the entrance to Clover Point.



The cycle path will include pathway lighting and three additional crosswalks (at Boyd, Government and Linden streets).

These improvements follow the City of Victoria design guidelines, and were approved by Council.

Parking on Dallas Road



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94% of parking will be retained along Dallas Road

There are currently 598 parking stalls along the Dallas Road corridor and this will be reduced by 38 parking stalls.



There will be some reduction in on-street parking in order to:

- accommodate pedestrian and bike infrastructure; and
- minimize loss of green space between Dock Street and Clover Point.

Based on public consultation and City of Victoria Council approval, the design and alignment balances parking retention with increased and improved pedestrian connections in the community.

- Angled parking will be retained along the seawall.
- As part of the Project, lines will be painted to delineate parking stalls to improve parking efficiency.
- Parking at the Clover Point circle will remain the same.

Construction Updates Clover Point Pump Station



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Construction to upgrade and expand the Clover Point Pump Station began in February 2018

COMPLETED ACTIVITIES

- Installation of site office trailers and facilities.
- Installation of temporary construction fencing around the perimeter of the work area.
- Location of and connection to existing utilities within the work area.
- Construction of a temporary laydown area with geotextile cloth installed to protect the area.

CURRENT ACTIVITIES

- Excavation for the foundation of the expansion to the pump station.

WORKS TO BE COMPLETED

- Concrete works to expand the existing underground structure.
- Upgrades to mechanical and electrical equipment in the pump station.
- Connection to the new Clover Forcemain.
- Restoration of surface.
- Public space improvements.

Access to the seawall and the parking at Clover Point will remain open during construction. Periodic closures may be required.

Construction of the Clover Point Pump Station is scheduled to be completed by mid-2020.



WORK HOURS

Monday – Friday

7:00 a.m. – 7:00 p.m.

Saturday

10:00 a.m. – 7:00 p.m.

Community Engagement



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Community Information Meetings have been held to provide information and answer questions about the Clover Forcemain.

As part of the City of Victoria's licence requirements, consultation meetings were held in January with the Fairfield Gonzales Community and the James Bay Neighbourhood to seek public input at the 50% design stage for incorporation into the final design of the following:

- Alignment of the Clover Forcemain within the Dallas Road right-of-way.
- Design and alignment of the cycle path along Dallas Road.
- Design of the exterior of the Clover Point Pump Station building.
- Design of the public space improvements.

In April 2018, the Project Team presented the 50% design to the City of Victoria which incorporated feedback from the community consultation.

- The City of Victoria Council approved the 50% design.
- Design workshops with the City of Victoria and Songhees and Esquimalt Nations were held at the 30%, 50% and 90% design stages.



**Community consultation was held from
January 10–31, 2018**

- 346 feedback forms were submitted
- 280 people attended both meetings

Communications and Engagement



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The Wastewater Treatment Project Team is engaging with residents throughout construction to ensure the community is fully informed on the progress of the Project.

THE COMMUNICATIONS AND ENGAGEMENT PROGRAM INCLUDES

- Regular project updates
- Outreach: community associations, businesses, schools, day cares, recreational groups, transportation providers, tourism groups and other organizations
- Community/neighbourhood/stakeholder meetings
- Communications tools include: website, project information phone line, email, social media, community updates, construction notifications, door-to-door advisories (where appropriate)

HOW TO CONTACT THE PROJECT

Website: wastewaterproject.ca

Email: wastewater@crd.bc.ca

24-7 Phone Line: 1.844.815.6132

HOW TO SIGN UP FOR PROJECT UPDATES

Send an email to wastewater@crd.bc.ca to let us know you are interested in receiving construction notices.

HOW TO FIND OUT ABOUT BUSINESS OPPORTUNITIES

Register on BC Bid (bcbid.gov.bc.ca) and the CRD's Business Opportunities (www.crd.bc.ca/about/contracts-rfps/current).

NOTIFICATION

Meeting notice

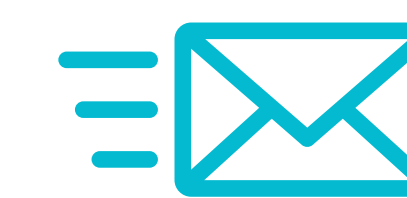


Posted on the Wastewater Treatment Project website on September 19, 2018

wastewaterproject.ca



Home delivery via Canada Post to 3,346 residences in Victoria



Emails to stakeholder groups and residents who signed up for project updates

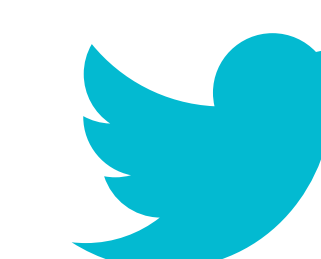
Newspaper ad



Victoria News
September 19, 2018

Times Colonist
September 22, 2018

Capital Regional District Twitter



@crd_bc