


CORE AREA WASTEWATER TREATMENT PROJECT | Clover Point Pump Station Upgrade




# City of Victoria – Public Hearing

## Core Area Wastewater Treatment Project Update

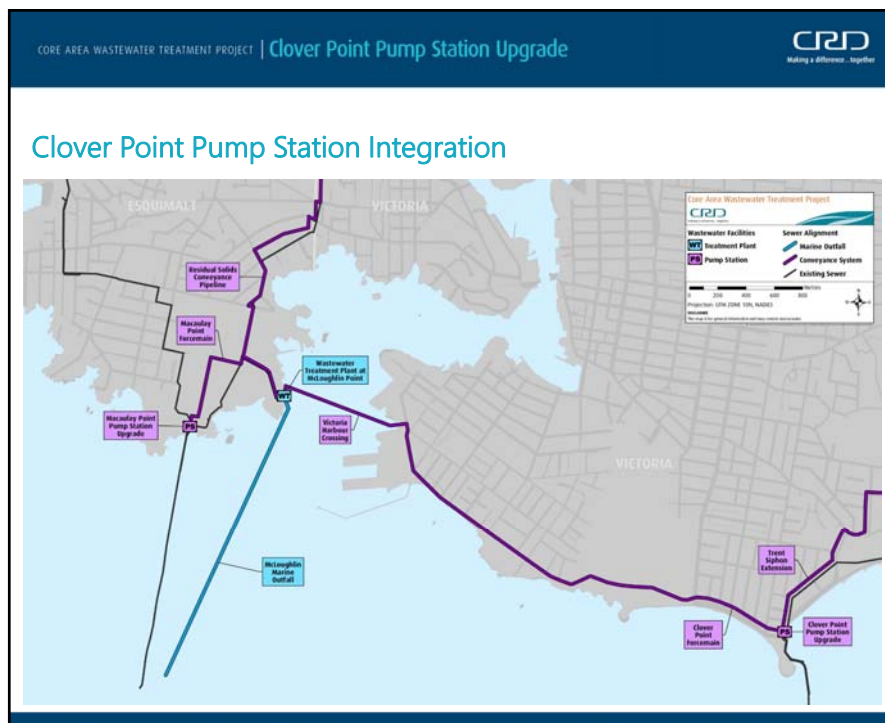
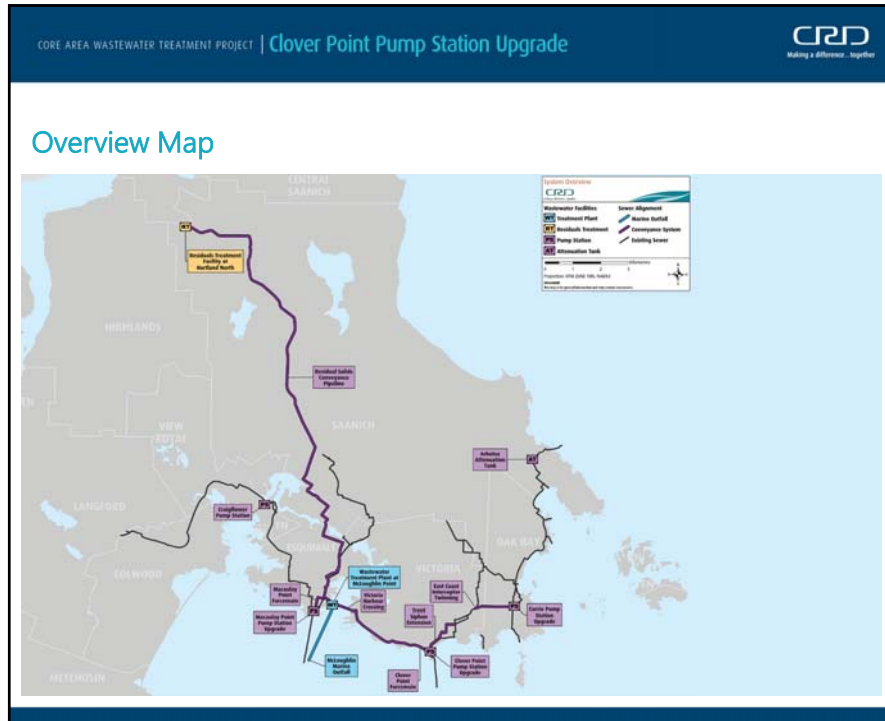
*February 23, 2017*

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### Project Goals

- Meet federal requirements for secondary treatment by 2020
- Minimize costs to residents
- Optimize opportunities for resource recovery
- Reduce greenhouse gas emissions
- Add value to the surrounding community and enhance livability of neighbourhoods



## Clover Point Pump Station Upgrade - Need



Image: Existing pumps and start of the outfall

### Increasing population:

- Current pump station built in 1975 to serve a population equivalent of 140,000\* people.
- Now serves a population equivalent of over 200,000\* people; it exceeds capacity in storms resulting in overflows.
- Capacity of the expanded pumping station is based on population equivalent projections provided by CRD planning and is designed to meet the provincial and federal laws.

\* The population equivalent is calculated by dividing the flow going through the pump station by the average flow that a single person produces.

## Clover Point Pump Station Upgrade - Need



### Additional function:

- Current pump station pumps sewage directly into the ocean.
- Expanded pump station will provide additional function:
  - pumping to the McLoughlin Point Wastewater Treatment Plant during normal flows.
  - bypass pumping to the outfall during storm events.

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## Development Permit and Rezoning Processes

CRD DEVELOPMENT PERMIT PROCESS	TOWNSHIP OF ESQUIMALT REZONING PROCESS	CLOVER POINT REZONING TIMELINE
<b>DEC 20, 2016</b> Development permit application submitted by CRD/Project Board/Harbour Resource Partners	<b>JAN 17, 2017</b> Advisory Planning Commission (rezoning)	<b>JAN 11, 2017</b> Fairfield-Gonzales Community Association Land Use Committee community meeting
<b>JAN 11, 2017</b> Design Review Committee	<b>JAN 23, 2017</b> Esquimalt Open House regarding amenities	<b>JAN 26, 2017</b> City of Victoria Committee of the Whole
<b>JAN 12, 2017</b> Wastewater Treatment Plant Open House	<b>FEB 6, 2017</b> Council consideration of first and second reading Zoning Amendment Bylaw	<b>FEB 9, 2017</b> First and second reading of the bylaw
<b>JAN 14, 2017</b> Wastewater Treatment Plant Open House	<b>FEB 20, 2017</b> Council public hearing for, and approval of, Zoning Amendment Bylaw (including all related amenity and other relevant agreements)	<b>FEB 23, 2017</b> Public Hearing (if approved) and Council decision
<b>FEB 8, 2017</b> Second meeting with the Design Review Committee		
<b>FEB 27, 2017</b> Council consideration of development permit issuance		

Completed

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## Clover Point Pump Station - Community Engagement

The Clover Point Pump Station design and associated public realm improvements considered community input received since 2006:

<b>2006 - 2012</b> Numerous open houses and meetings on the Plan	<b>JANUARY 25, 2014</b> Public Open House
<b>JULY 2013</b> Staff Report to Victoria GPC meeting regarding bike path	<b>JAN-FEB, 2014</b> City of Victoria PLUSC and Council Meetings
<b>AUGUST 2013</b> Met with adjacent residents and sent letter to Fairfield Gonzales Community Association	<b>MARCH 2014</b> Presentation to New Horizons in James Bay
<b>OCTOBER 2013</b> Presentations to Fairfield Gonzales and James Bay Community Associations	<b>APRIL 2014</b> City of Victoria 1st and 2nd Reading of Rezoning Bylaw
<b>NOVEMBER 2013</b> Staff Report to Victoria GPC meeting regarding rezoning	<b>DECEMBER 2016</b> Presentations to Fairfield Gonzales Community Association executive
<b>NOVEMBER 2013</b> Submitted application for rezoning	<b>JANUARY 9, 2017</b> Met with approximately 8 immediate neighbours of Clover Point in a residents home
<b>DECEMBER 2013</b> CALUC meeting at Fairfield Gonzales Community Association	<b>JANUARY 11, 2017</b> Fairfield CALUC at the Victoria Conference Centre
<b>JANUARY 2014</b> Mailed over 4,000 Info Sheets to residents in Fairfield and James Bay	

## Engagement since September 2016

- Engaging senior levels of government to finalize the funding agreements
- Engaging Township of Esquimalt and residents in the development permit process
- Engaging City of Victoria and residents in the Clover Point rezoning process
- Engaging Harbour Resource Partners (HRP), the contractor for the construction of the wastewater treatment plant, to reach a project agreement in early 2017
- Clarifying the Integrated Resource Management planning process with the Ministry of Environment
- Preparations for the procurement of a proponent for the bio-solids treatment facility at Hartland Landfill
- Continuing meetings with First Nations, City of Colwood, District of Saanich, Willis Point, GVHA, Department of National Defense, associations such as the James Bay Neighborhood Association and other stakeholders

## Proposed Concept



04/01/17 Conceptual image for discussion purposes only

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## Design Principles

### PUMP STATION DESIGN PRINCIPLES

- Meet current codes and standards
- Robust, long design life (min. 50 years)
- Blend in with surrounding area
- Noise and odour control
- Secure and good operational access
- Energy efficient, latest technology, improved redundancy
- Restore surface to as good or better
- Provide best value

### PUMP STATION LOCATION




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## Public Realm Improvements – Clover Point

Opportunity to create community value in areas linked to construction:



- Public Plaza accessible to pedestrians and cyclists
- Install street furniture and bicycle facilities (e.g. benches, bike racks, a bike rack for bicycle maintenance and repair, and a drinking fountain) on the plaza
- Replace the existing public parking lot located above the pump station
- Bike Node
- Interpretive signage and wayfinding signs at the Public Plaza
- 2 replanted grassed open spaces to the west and east of the Public Plaza
- 2 public washrooms
- Clover Point Road and Dallas Road intersection improvements
- New connecting walkway and bike path across Clover Point Road to the Dallas Road/Ross Bay Seawalk
- Pedestrian path from Dallas Road alongside Clover Point Road and connecting to the existing Clover Point Park Path
- One-time payment for the construction of additional capital improvements by the City

04/01/2017 Conceptual image for discussion purposes only



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## Public Realm Improvements

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## Conveyance Pipe Cross Section and Dallas Road Bike Path

04/01/17 Conceptual image for discussion purposes only

## Public Realm Improvements – Dallas Road

- Cycle track extending from Dock Street at the Ogden Point breakwater to Clover Point
- Gathering/dismount area for the Cycle Track incorporated on the west side of Clover Point Road at Dallas Road
- Site furnishings (bike rack and a bench at a minimum of 6 locations at key intersections)
- Barrier fencing between dog off-leash areas
- Wayfinding signage
- One-time payment for the construction of additional capital improvements by the City

## Next Steps – Design Finalization

- **Public Input:**
  - Presentation to James Bay Neighbourhood Association (on Dallas Road conveyance route) at 50% design finalization
  - Presentation to Fairfield-Gonzales Community Association (on Clover Point Pump Station and Dallas Road Conveyance route) at 50% design finalization
- **City of Victoria input:**
  - 3 Design Workshops between CRD and City regarding pump station exterior and Public Realm Improvements (at the 30%, 50% and 90% design completion stages)
  - Presentation to seek City Council approval at a public meeting at 50% stage
  - Presentation to City Council in a public meeting prior to the commencement of the detailed design and construction
- **First Nation Engagement:**
  - City and the CRD will invite the Songhees and Esquimalt Nations to nominate a representative to participate in the final design of the pump station exterior and Public Realm Improvements

Final design of public realm improvements must be consistent with the Design Proposal and Design Guidelines.



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## Anticipated Construction Timing

**2017-2018**


- Construction

**2020**

- System operational

**Construction Duration**

- Clover Point Pump Station: 18-20 months
- Clover Forcemain: 12-14 months



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## Construction Impact Mitigation Measures

- Detailed traffic management plan
- Compliance with noise and odour requirements in the Licenses of Occupation
- Robust community engagement program to ensure the community has advance notice of work



**Key considerations during construction will be potential impacts on the surrounding area.**

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## Construction Communications

### Public Communications & Engagement Plan

- Broad outreach: businesses, schools, day cares, recreational groups, transportation providers, tourism groups and other organizations
- Regular project updates
- Community / stakeholder meetings
- Communications tools include: project information line phone number, email, social media, website (currently under construction), community updates, construction bulletins, traffic media updates, door-to-door advisories (where appropriate)

If there are any current concerns, residents are welcome to email [wastewater@crd.bc.ca](mailto:wastewater@crd.bc.ca)

**We will continue to engage with residents through construction to ensure that the community is fully informed on the progress of the Project.**