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CAL 13-03

REPORT TO CORE AREA LIQUID WASTE MANAGEMENT COMMITTEE
MEETING OF WEDNESDAY, FEBRUARY 13, 2013

SUBJECT **CORE AREA WASTEWATER TREATMENT PROGRAM PROGRESS REPORT**

ISSUE

To update the Core Area Liquid Waste Management Committee (CALWMC) on the activities to date on the implementation phase of the Core Area Wastewater Treatment Program (CAWTP).

BACKGROUND

Since the announcement by Canada and British Columbia of funding for the CAWTP, work has proceeded on the CAWTP in a number of areas with the approval of the CALWMC and the Board as necessary. The report provides a summary of key activities since the funding announcement in July 2012.

Key activities have included the following:

Project Management Office (PMO)

- The Program Management Team (PMT) moved into leased office accommodation on November 1, 2012 at 510-1675 Douglas Street and set up the PMO. Currently staff from Stantec, Partnerships British Columbia (PBC) and Capital Regional District (CRD) contract staff are working in the PMO.
- In accordance with the Board approval on December 19, 2012, PBC has been engaged as Procurement Advisors and has been working as part of the PMT on preparation of the Request for Qualification (RFQ) for the McLoughlin wastewater treatment plant. The PMT has been able to use templates previously prepared and used by PBC on major construction projects, customized for the CAWTP.
- A RFQ for other program advisors including Fairness, Financial, Legal and Insurance/Risk were issued November 23, 2012 and closed on December 19, 2012. The PMT has evaluated the responses and will be recommending appointment of advisors to the Commission. The prospective advisors have agreed to review the RFQ documentation pending approval of their appointment.
- Development of a number of CAWTP plans is in progress including a Supervisory Control and Data Acquisition Master Plan, in consultation with staff from Integrated Water Services, a Program Implementation Plan, a Program Management Plan and a Communications Plan.
- Development of the CAWTP financial management and reporting system is in progress using the CRD financial system platform. The financial and accounting system will meet financial management needs of the program and the reporting needs of the CRD and the funding partners.

McLoughlin Wastewater Treatment Project

- As approved in September 2012, Stantec is working on the indicative design in preparation for issuing the Request for Proposals (RFP) in June 2013.
- A rezoning application has been submitted to Esquimalt for the facility. The first open house as part of the rezoning process is scheduled for February 21. A link to the document has been posted on the CRD main web page. Conceptual renderings of the facility are included with this report (Attachment 1). Design guidelines will be finalized after design review panels in Esquimalt and Victoria have had an opportunity to comment on the rezoning submission.

- The RFQ document has been prepared and will be issued at the end of February, closing at the end of April. Prior to closing the RFQ, the Commission will have an opportunity to review and approve the document and if changes are necessary an addendum will be issued.
- The marine monitoring and outfall study has been completed.
- The report on implications for the McLoughlin facility in the event of a major earthquake and tsunami has been received and will be presented to the CALWMC at a subsequent meeting.
- The contract for the geotechnical investigation for the harbour crossing has been awarded and work on the McLoughlin site and marine crossing was completed February 3.
- Imperial Oil Limited has completed the cleanup of the McLoughlin site and submitted a report on the clean-up for review by CRD staff and consultants. The purchase agreement is current being drafted.

Craigflower Pump Station

- The review and updating of the Craigflower Pump Station design is in progress and a RFQ was issued on January 10 with a closing date of February 12 to pre-qualify (not shortlist) potential bidders on the project.
- A presentation to View Royal Council is scheduled for February 19 and an open house has been arranged for February 26.
- A tender call will be issued on March 18 with a six week tender period. The construction contract will be awarded by the Commission in April.

Arbutus Road Attenuation Tank

- Rezoning of the attenuation tank site is in progress. CRD and Saanich staff and consultants have met with affected community associations in advance of the open houses planned for February 20 and 23.
- Following the rezoning process a RFP for design consultants will be issued, likely in June with construction starting early in 2014.

Program Budget

- Refer to report CAL 13-04, Core Area Wastewater Treatment Program 2013 Budget.

RECOMMENDATION

That the Core Area Liquid Waste Management Committee receive the progress report for the Core Area Wastewater Treatment Program for information.

J.A. (Jack) Hull, P.Eng., MBA
Interim Program Director
Core Area Wastewater Treatment Program

Attachment: 1

JH:hr

SITE STATISTICS	Area (Sq. M.)
SITE AREA:	14364
BUILDINGS AREAS:	
Operations & Maintenance Building	
Level 1 (675) + Level 2 (885*)	675
Level 1 (675) + Level 2 (885*)	885
Operations & Maintenance Building Total Area	**1560**
*total excludes exterior decks (54 Sq. M.)	
Workshops/Plant Rooms	
Combined Level 1	2222
Combined Mezzanines	231
Standby Generator Enclosure	263
Workshops/Plant Rooms Total Area	**2716**
TOTAL BUILDINGS AREA	**4276**
FSR (total building area/site area)	30%
FSR including Generator enclosure	32%
SITE COVERAGE:	
Operations & Maintenance Building	675
Workshops/Plant Rooms	2222
Processing Tanks Combined areas	5143
Roadway & Parking Areas	2500
TOTAL SITE COVERAGE:	**10540**
% Site Coverage	73%
Total number of Parking Stalls	34

McLOUGHLIN POINT WASTE WATER TREATMENT PLANT

25.01.2013 ISSUED FOR REZONING APPLICATION

ARCHITECTURAL:

5-B-XXX-000	COVER PAGE
5-B-XXX-201	SITE PLAN
5-B-XXX-202	EXISTING SITE CONTOURS DIAGRAM
5-B-XXX-211	KEY PLAN
5-B-XXX-212	O&M BUILDING PLANS
5-B-XXX-213	SHOP & PLANT ROOMS PLANS
5-B-XXX-214	PLANT ROOMS PLANS CONTINUED
5-B-XXX-221	BUILDING ELEVATIONS
5-B-XXX-222	BUILDING ELEVATIONS
5-B-XXX-231	BUILDING SECTIONS
5-B-XXX-241	CRITICAL SITE VIEW: FROM OGDEN PT., MID-PIER
5-B-XXX-242	CRITICAL SITE VIEW: FROM OGDEN PT., END OF PIER
5-B-XXX-243	CRITICAL SITE VIEW: FROM SHOAL PT.
5-B-XXX-244	CRITICAL SITE VIEW: FROM SEAWALL AT SONGHEES
5-B-XXX-245	CRITICAL SITE VIEW: FROM PARKING LOT AT SONGHEES
5-B-XXX-251	EXISTING SITE GRADES

CIVIL:

5-B-XXX-000	SHEET NAME

LANDSCAPE:

5-B-XXX-000	SHEET NAME

SURVEY:

5-B-XXX-000	SHEET NAME

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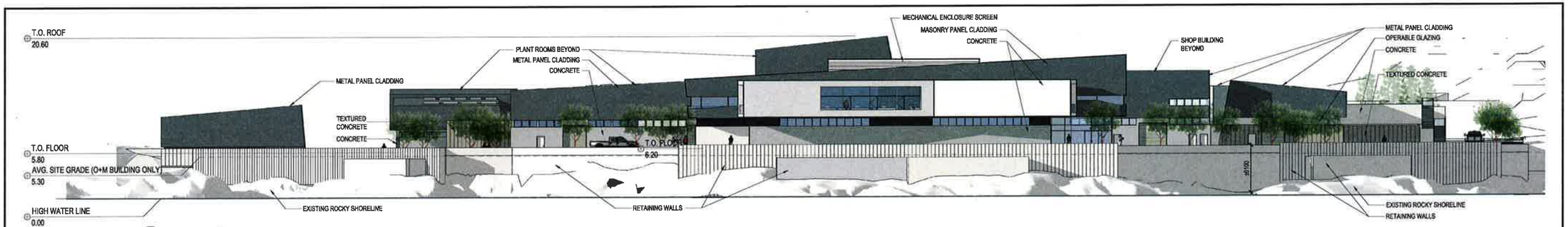
CORE AREA WASTEWATER TREATMENT PROGRAM

McLoughlin Point Site



1 EAST ELEVATION
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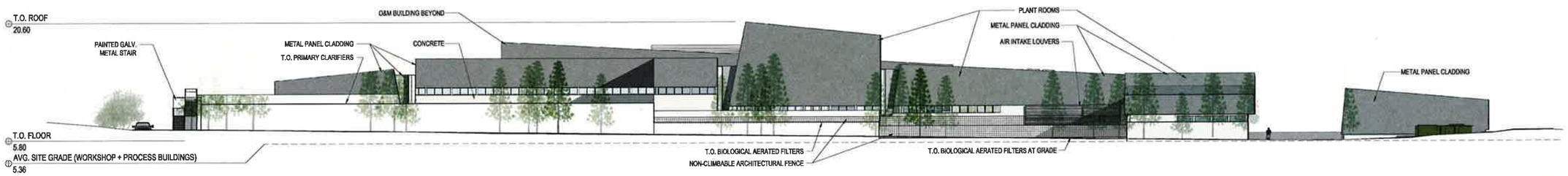
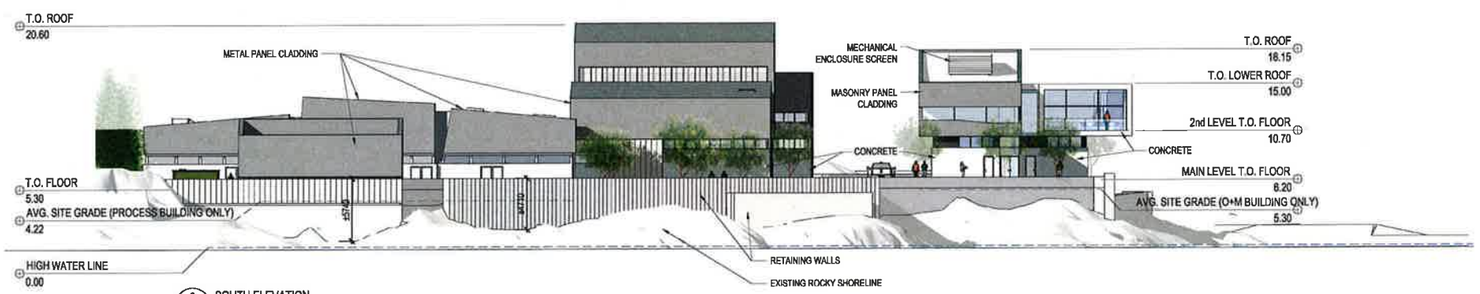


2 WEST ELEVATION
SCALE: 1:250



3 SOUTH ELEVATION
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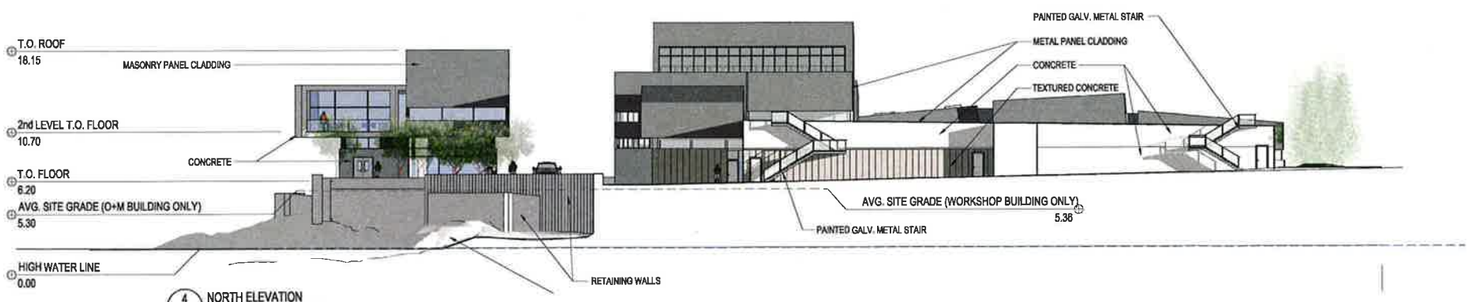

4 NORTH ELEVATION
SCALE: 1:250

0 2.5 7.5 12.5m
1 : 250

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SEAL

BY	DATE	No.	REVISION	ENG.

No.	DATE	ISSUE
1	25.01.2013	ISSUED FOR REZONING APPLICATION

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Capital Regional District |	Core Area Wastewater Treatment Program
DESIGNED –	SURVEYED –
DRAWN –	DATE 11/01/13
SCALE HORIZONTAL 1:250	CHECKED –
SCALE VERTICAL –	APPROVED –

CORE AREA WASTEWATER TREATMENT PROGRAM
McLOUGHLIN POINT WWTP
BUILDING ELEVATIONS

CONTRACT NUMBER –
DRAWING NUMBER 5–B–XXX–221
ISSUE –
SHT. No. – OF –

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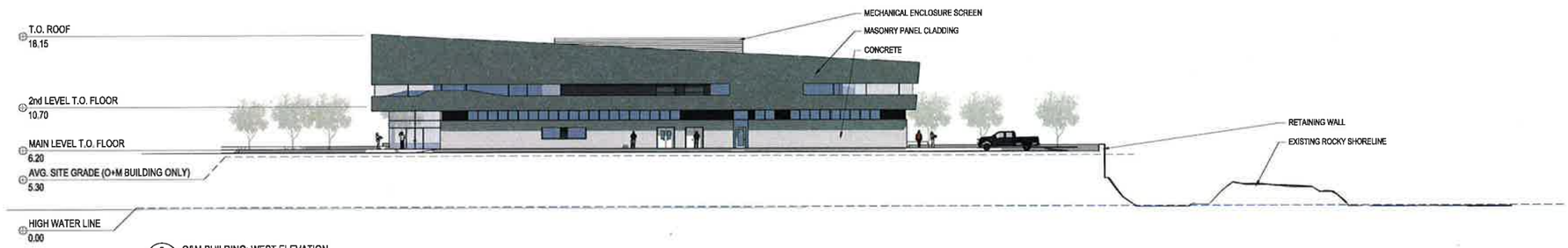
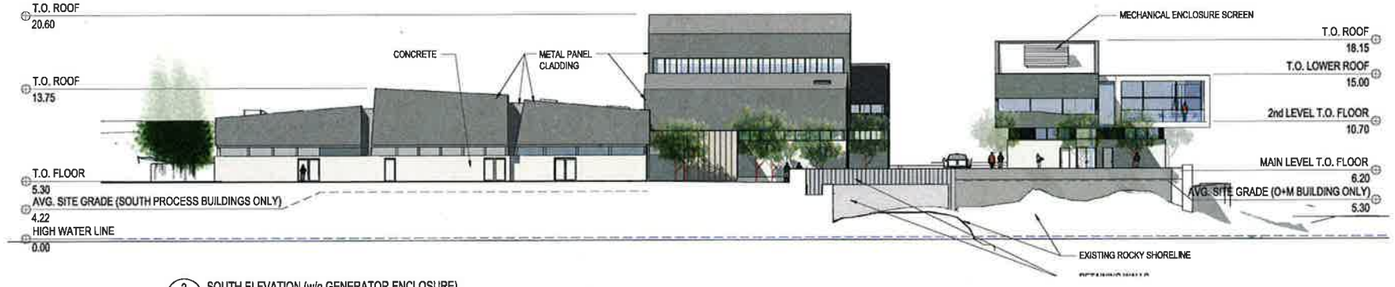
PLOTTED BY: LEREMIAH JANUARY 25, 2013 - 12:17PM

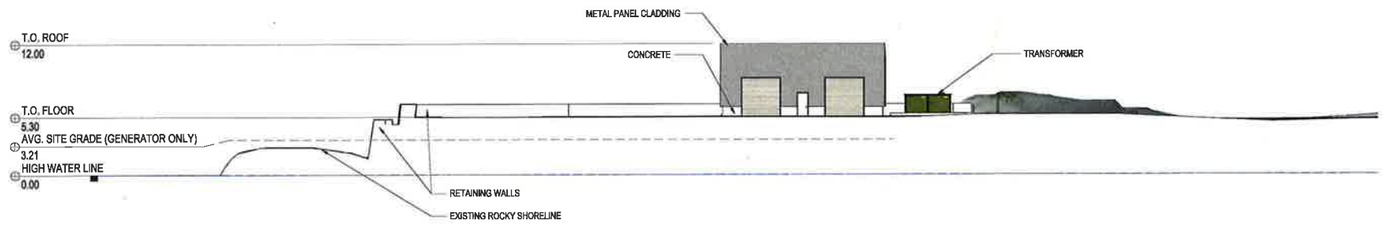
1 EAST ELEVATION (w/o O&M BUILDING)
SCALE: 1:250



2 O&M BUILDING: WEST ELEVATION
SCALE: 1:250



3 SOUTH ELEVATION (w/o GENERATOR ENCLOSURE)
SCALE: 1:250



4 NORTH ELEVATION (GENERATOR ENCLOSURE)
SCALE: 1:250

0 2.5 7.5 12.5m
1 : 250

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SCALE VERTICAL —	APPROVED —		

CORE AREA WASTEWATER TREATMENT PROGRAM

McLOUGHLIN POINT WWTP
BUILDING ELEVATIONS

CONTRACT NUMBER	DRAWING NUMBER	ISSUE	SHT. No. OF
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2 VIEW FROM OGDEN POINT, MID-PIER
SCALE: NTS

1 KEYMAP - CRITICAL VIEWS
SCALE: NTS

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SCALE VERTICAL –	APPROVED –

CORE AREA WASTEWATER TREATMENT PROGRAM

McLOUGHLIN POINT WWTP
CRITICAL SITE VIEWS

CONTRACT NUMBER	DRAWING NUMBER	ISSUE	SHT. No. OF
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3 VIEW FROM OGDEN POINT, END OF PIER (WIDE ANGLE)
SCALE: NTS

2 VIEW FROM OGDEN POINT, END OF PIER (CLOSE-UP)
SCALE: NTS

1 KEYMAP - CRITICAL VIEWS
SCALE: NTS

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SCALE HORIZONTAL NTS	CHECKED –	
SCALE VERTICAL –	APPROVED –	

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3 - VIEW FROM SHOAL POINT (WIDE ANGLE)
SCALE: NTS

2 - VIEW FROM SHOAL POINT (CLOSE-UP)
SCALE: NTS

1 - KEYMAP - CRITICAL VIEWS
SCALE: NTS

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CORE AREA WASTEWATER TREATMENT PROGRAM

McLOUGHLIN POINT WWTP
CRITICAL SITE VIEWS

CONTRACT NUMBER	DRAWING NUMBER	ISSUE	SHT. No. OF
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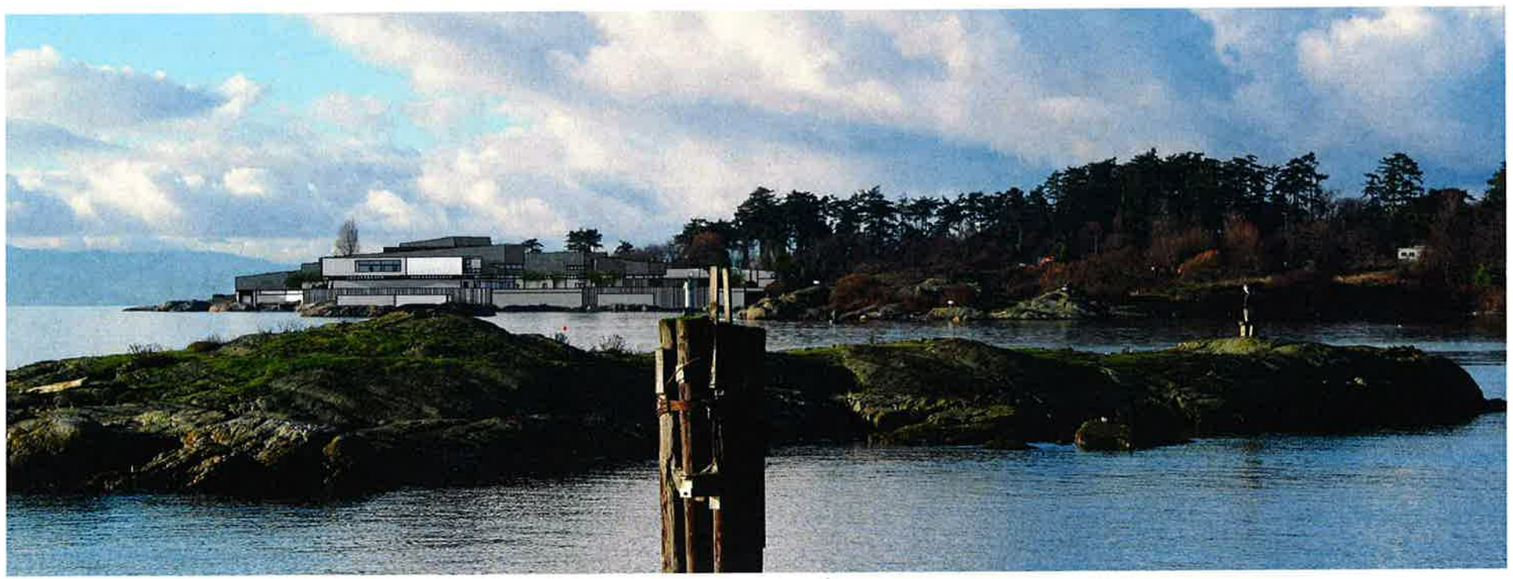
3 VIEW FROM LOOKOUT AT SONGHEES WALKWAY (WIDE ANGLE)
SCALE: NTS



2 VIEW FROM LOOKOUT AT SONGHEES WALKWAY (CLOSE-UP)
SCALE: NTS

1 KEYMAP - CRITICAL VIEWS
SCALE: NTS

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SCALE HORIZONTAL NTS	CHECKED —		
SCALE VERTICAL —	APPROVED —		

CORE AREA WASTEWATER TREATMENT PROGRAM
McLOUGHLIN POINT WWTP
CRITICAL SITE VIEWS

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1 VIEW FROM PARKING LOT AT SONGHEES WALKWAY (WIDE ANGLE)
SCALE: NTS

2 VIEW FROM PARKING LOT AT SONGHEES WALKWAY (CLOSE-UP)
SCALE: NTS

1 KEYMAP - CRITICAL VIEWS
SCALE: NTS

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1	26.01.2013	ISSUED FOR REZONING APPLICATION

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DRAWN –	DATE 11/01/13
SCALE HORIZONTAL NTS	CHECKED –
SCALE VERTICAL –	APPROVED –

CORE AREA WASTEWATER TREATMENT PROGRAM

McLOUGHLIN POINT WWTP
CRITICAL SITE VIEWS

CONTRACT NUMBER	DRAWING NUMBER	ISSUE	SHT. No. OF
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