

DATE: September 8, 2016 **FILE:** 5360-20/CV

TO: Chair and directors
Comox Valley Regional District (Comox Strathcona waste management) board

FROM: Debra Oakman, CPA, CMA
Chief Administrative Officer

RE: Project status report - September 2016 - CVWMC New Engineered Landfill - Cell 1 Construction

Purpose

To provide a project status report for the Comox Valley waste management centre (CVWMC) new engineered landfill - cell 1 construction (cell 1).

Policy analysis

At the June 16, 2016 Comox Strathcona waste management (CSWM) board meeting the board approved the following resolution:

THAT a contract be awarded to New Lining Solutions Inc. for the Comox Strathcona waste management service new engineered landfill – cell 1 project in an amount not to exceed \$5,756,081.30 plus applicable taxes;

AND FURTHER THAT in the event that New Lining Solutions Inc. does not execute the contract within ten days of its receipt of the Notice to Award in accordance with the Instructions to Tenderers, that a contract be awarded to the second lowest bidder, Wacor Holdings Ltd., for the Comox Strathcona waste management service new engineered landfill – cell 1 project in an amount not to exceed \$5,808,830.12 plus applicable taxes;

A contract was executed with Wacor Holdings Ltd (Wacor) on July 13, 2016 for the cell 1 construction.

Executive summary

The cell 1 project is a large capital project with a tight construction schedule. The project is essentially an earthworks project consisting of the excavation of a 430,000 m³ cell (four times the size of the large infiltration pond built as part of CVWMC phase 1 closure), the installation of a 66,000 m² geomembrane liner system, the installation of a leachate collection and pumping system as well as a new service access roads.

The construction portion of this project is scheduled to be completed by the end of 2016. In support of Wacor's contract for the construction of the new landfill cell, Tetra Tech EBA is providing construction management (CM) and construction quality assurance (CQA) services.

A separate recommendation to award a contract for the leachate treatment plant design and construction will be presented to the board at its September 2016 board meeting.

Approval of amended operational certificate (OC) 05050 from the Ministry of Environment for the CVWMC, is expected to be finalized in the coming months. The new landfill cell is fully compliant with the amended OC 05050.

Staff is committed to keeping the board informed and updated as the project progresses. A summary of the project status up to September 1, 2016 is provided in appendix A and photographs documenting the construction progress to date area attached as appendix B.

Project Costs

The new engineered landfill project (cell 1) consists of detailed engineering design, construction works, construction management, construction quality assurance and overall project management. The project includes specific contingencies for construction and for engineering services as well as contingency for the overall project. Total project costs are estimated at \$7,514,000 and a project cost summary is attached as appendix A. As the project progresses towards completion the attached cost summary table will be updated to show actual costs as well as the estimate to complete. In this way an up to date estimated final cost for the project will be maintained.

Communications

In an effort to provide timely project information to the CSWM board and the community, a “project update” newsletter will be regularly published on the Comox Valley Regional District website throughout the project until completion.

Recommendation from the chief administrative officer:

This report is for information purposes only.

Respectfully:

D. Oakman

Debra Oakman, CPA, CMA
Chief Administrative Officer

Concurrence:

C. Makinson

Cole Makinson, EIT
Engineering Analyst

Concurrence:

G. Bau Baiges

Gabriel Bau Baiges, P.Eng
Manager of CSWM Projects

Concurrence:

J. Mathers

James Mathers
Senior Manager of CSWM
Services

Concurrence:

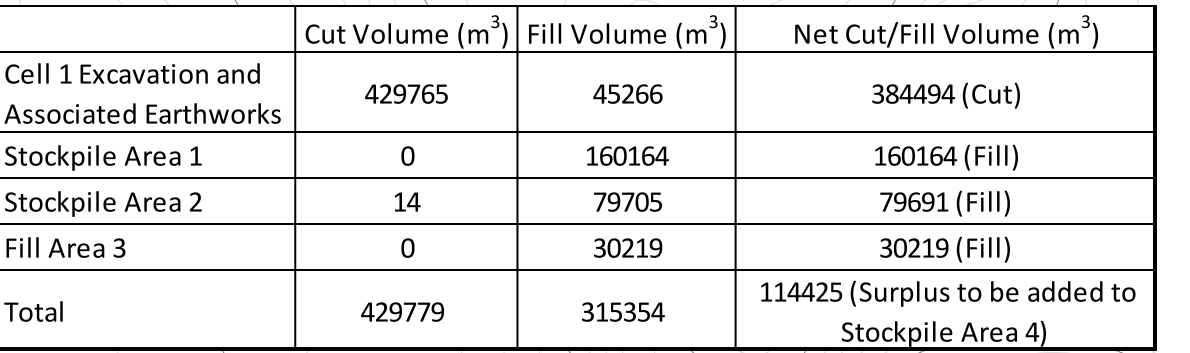
M. Rutten

Marc Rutten, P.Eng
General Manager of
Engineering Services

Attachments: Appendix A – “CVWMC Cell 1 Budget Summary”
Appendix B – “Construction Photos”

Key Task Description	Project Status	Actual Costs to Date (A)	Estimate to Complete (B)	Estimate at Completion (A+B)
Wacor - Contract for New Engineered Landfill Cell 1 Construction				
General Construction and Civil Works	In progress (contract signed July 13, 2016)	\$ 305,173.84	\$ 5,003,656.28	\$ 5,308,830.12
Provisionals (equalization pond, force main)		\$ -	\$ 600,000.00	\$ 600,000.00
Construction Contingency		0	\$ 500,000.00	\$ 500,000.00
Sub Total		\$ 305,173.84	\$ 6,103,656.28	\$ 6,408,830.12
Tetra Tech EBA - Contract for Construction Management and Construction Quality Assurance				
Project Management	In progress (contract signed July 26, 2016)	\$ 2,138.03	\$ 18,972.93	\$ 21,110.96
Contract Management	In progress	\$ 23,177.76	\$ 65,534.06	\$ 88,711.82
CQA	In progress	\$ 6,263.85	\$ 207,221.67	\$ 213,485.52
Reporting	In progress	\$ -	\$ 28,607.28	\$ 28,607.28
Engineering Contingency		\$ -	\$ 103,847.38	\$ 103,847.38
Sub Total		\$ 31,579.64	\$ 424,183.32	\$ 455,762.96
Other				
Other consulting services(design, tender preparation and review)		\$ -	\$ 149,406.92	\$ 149,406.92
Project Contingency		\$ -	\$ 500,000.00	\$ 500,000.00
Sub Total		\$ -	\$ 649,406.92	\$ 649,406.92
Total		\$ 336,753.48	\$ 7,177,246.52	\$ 7,514,000.00

Updated September 1st, 2016



0 100m
Scale: 1:2,000 @ 22"x34"

ISSUED FOR CONSTRUCTION

D	JUN 29 2016	CS	ISSUED FOR CONSTRUCTION
C	APR 29 2016	CS	ISSUED FOR TENDER
B	APR 15 2016	CS	90% DESIGN
A	MAR 8 2016	CS	50% DESIGN
NUM	DATE	APR	DESCRIPTION
DRAWING STATUS			

PERMIT



EARTHWORKS PLAN

PROJECT No. N23103124-01.008	OFFICE EBA-RIV	DES JB	CKD CS	REV 0	DRAWING C-03
DATE: June 2016	SHEET No. 3 of 20	DWN JB	APP GLT	STATUS D	

C-03

Photo Orientation

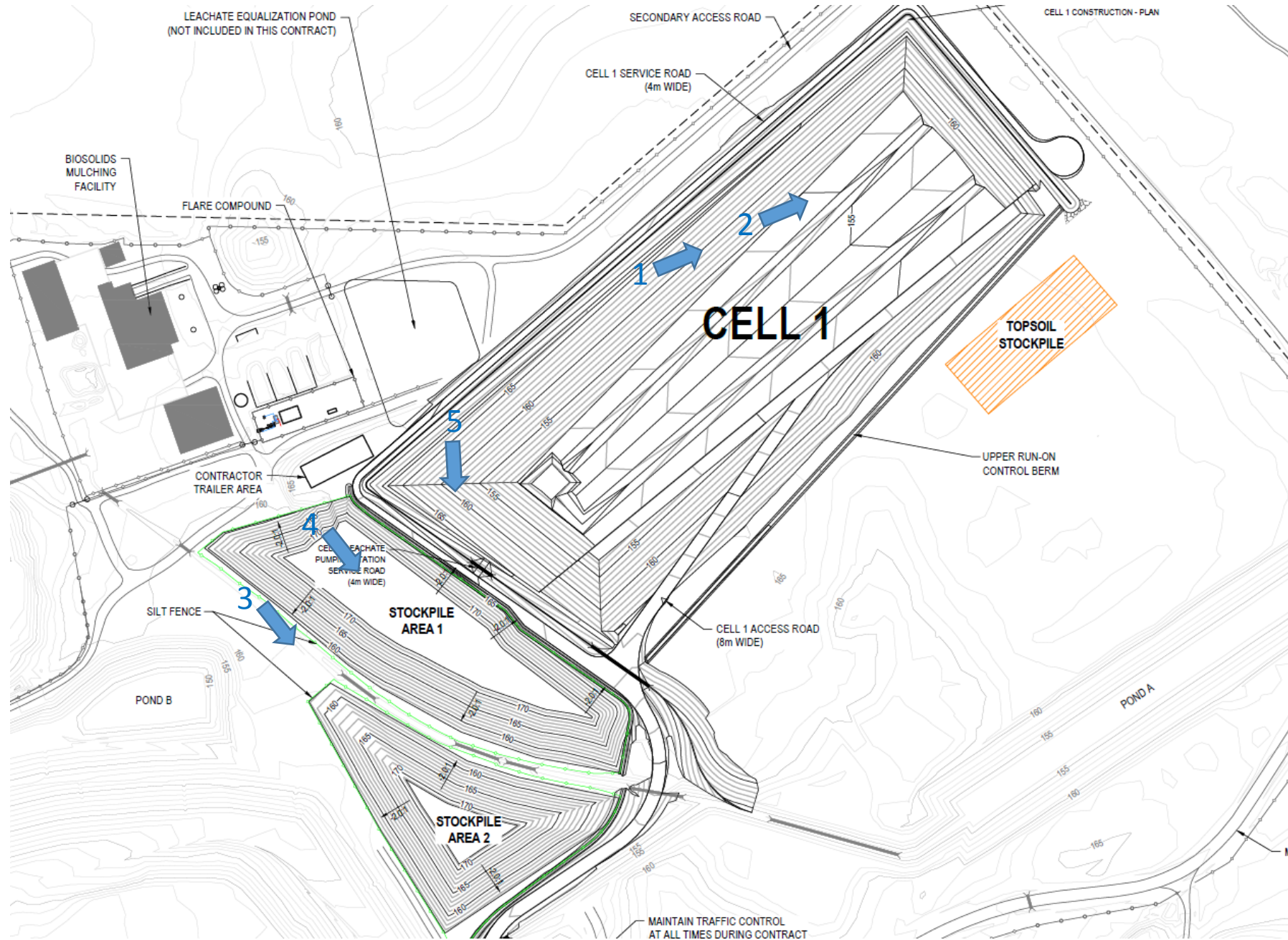


Photo 1: Cell Excavation



Photo 2: Cell Excavation



Photo 3: Stockpile 2



Photo 4: Stockpile 1



Photo 5: Stockpile 1 and 2

