

Regional District of Okanagan-Similkameen

Construction Services for the Oliver Landfill Organics Composting Facility

To: Posted on BC Bid Website
ITT: RDOS-22-ENG-05
Attachments: Addendum #1

From: Scott Garthwaite, AScT
Date: April 28, 2022
Pages: 2

Please take note that RDOS has issued the attached Addendum #1 to address the questions and answers for the Invitation to Tender RDOS-22-ENG-05.

This Addendum forms part of the contract documents and is to be read, interpreted, co-ordinated with all other parts. The cost of all contained herein is to be included in the contract sum. The following revisions supersede the information contained in the original drawings and specifications issued for the above-named project to the extent referenced and become part thereof.

This Addendum includes the following information:

- A. Questions and Answers
- B. Appendix A – Revised Civil Drawings from Sperling Hansen 000 Series (reflecting revisions from Addendum #1)
- C. Appendix B – Revised Instructions to Tenderers Part 1 (reflecting revisions from Addendum #1)
- D. Appendix C – Revised Schedule A Supplementary General Conditions (reflecting revisions from Addendum #1)

A. Questions and Answers

Q1: The “Deadmen” & “Hold Down Straps” indicated on drawing 250053-009 are usually designed by the engineer. Is there design specs for these items?

A1: The “Deadman” & “Hold Down Straps” are to be designed by the Tank Supplier. Shop drawings will be reviewed and approved with the Proponent through the Submittal Process as referenced in the Contract Documents.

Q2: The 8’x8’ Seacan required for the electrical service Kiosk has no required specification or rather requirement of “Condition”. Is a New Seacan the requirement, or a refurbished Seacan acceptable?

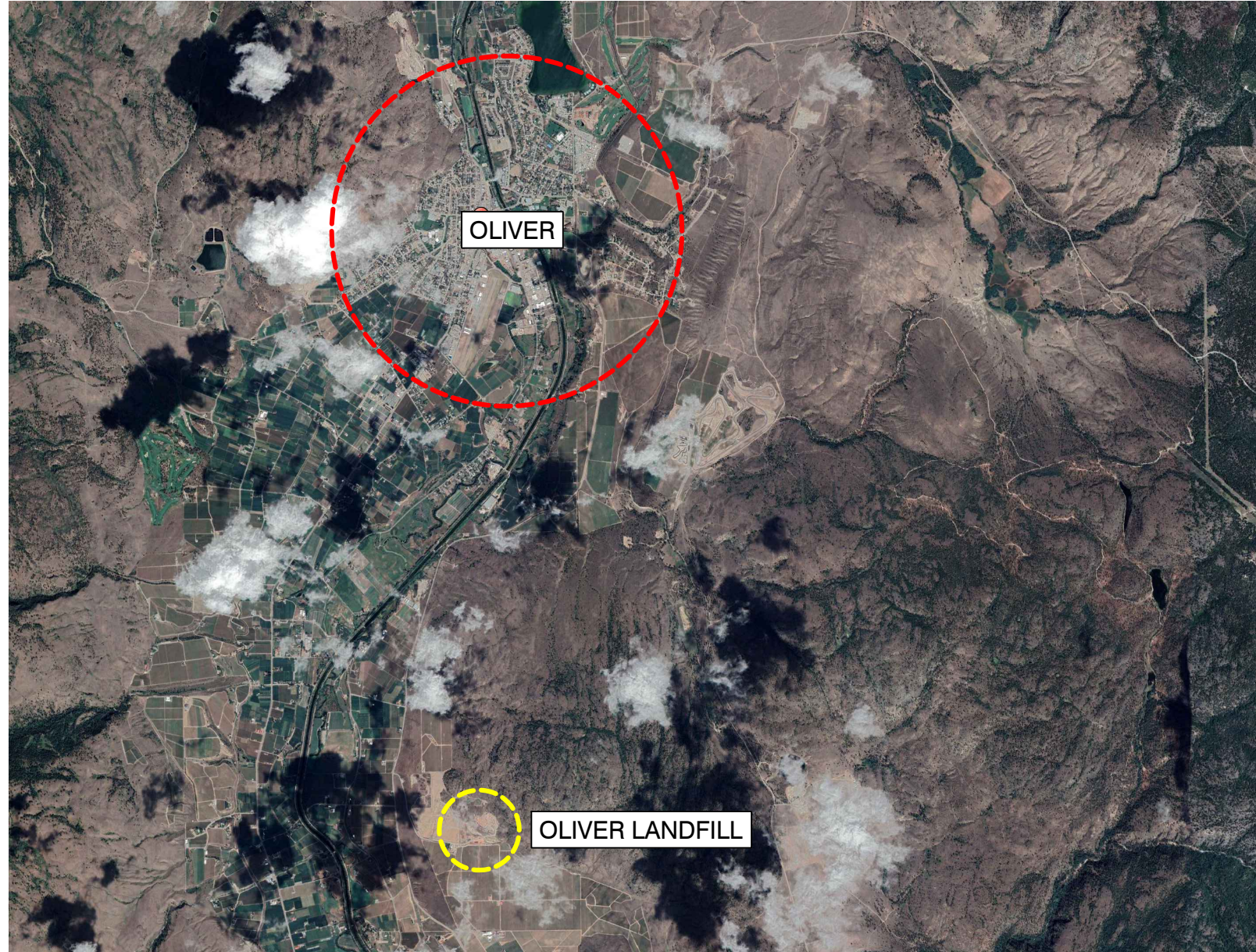
A2: A refurbished Seacan is acceptable.



Appendix A

Revised Civil Drawings from Sperling Hansen 000-Series (reflecting revisions from Addendum #1)

OLIVER LANDFILL COMPOST FACILITY DESIGN



DRAWING LIST			
SHEET No.	DWG No.	REV.	TITLE
000 SERIES - EARTHWORK AND LEACHATE MANAGEMENT			
000	20053-000	D	COVER PAGE, LEGEND AND DRAWING LIST
001	20053-001	D	EXISTING TOPOGRAPHY 2020-10-20 EG + 2022-01-20 EG
002	20053-002	D	COMPOST FACILITY DESIGN SUBGRADE
003	20053-003	D	CUT/FILL DESIGN SUBGRADE VS 2020-10-20 EG + 2022-01-20 EG
004	20053-004	D	COMPOST FACILITY SITE AND TRAFFIC LAYOUT
005	20053-005	D	LEACHATE MANAGEMENT LAYOUT
006	20053-006	D	COMPOSTING PAD, ACCESS ROAD DETAIL
007	20053-007	D	GORE COMPOSTING DETAILS
008	20053-008	D	COVERALL BUILDING DETAILS
009	20053-009	D	SECTION A-A'
010	20053-010	D	SECTION B-B'
011	20053-011	D	SECTION C-C'
012	20053-012	D	LEACHATE SYSTEM SCHEMATICS
100 SERIES - ELECTRICAL FOR COMPOST FACILITY			
100	20053-100	0	ELECTRICAL SITE PLAN
101	20053-101	0	ELECTRICAL DETAILS
103	20053-103	0	ELECTRICAL SCHEDULES AND SPECIFICATION
200 SERIES - WATER SUPPLY FOR COMPOST FACILITY			
200	20053-200	2	COVER PAGE
201	20053-201	2	PLAN & PROFILE 0+000 TO 0+370
202	20053-202	2	PLAN & PROFILE 0+370 TO 0+750
203	20053-203	2	PLAN & PROFILE 0+750 TO 1+130
204	20053-204	2	PLAN & PROFILE 1+130 TO 1+180 AND DETAILS
205	20053-205	2	PRE-PACKAGED BOOSTER STATION KIOSK PLAN, SECTION AND DETAILS
E01	E01	1	ELECTRICAL SITE PLAN
E02	E02	1	BOOSTER STATION PLAN AND SECTION

LEGEND:	
	MAJOR EXISTING CONTOUR (5m)
	MINOR EXISTING CONTOUR (1m)
	MAJOR DESIGN CONTOUR (0.5m)
	MINOR DESIGN CONTOUR (0.1m)
	SURFACE WATER DITCH
	CLEAN WATER SUPPLY LINE
	PROPOSED LEACHATE PIPE
	PROPERTY LINE
	BOUNDARY
	ROAD DESIGN
	EXISTING ROAD
	LEACHATE RE-CIRCULATION STAND PIPE
	CLEAN WATER STAND PIPE

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C	2022/01/25	ISSUE FOR CLIENT REVIEW	AT	MC/SG	MC

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OKANAGAN-SIMILKAMEEN REGIONAL DISTRICT

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APPROVED BY:	MC	VERTICAL SCALE:	NTS

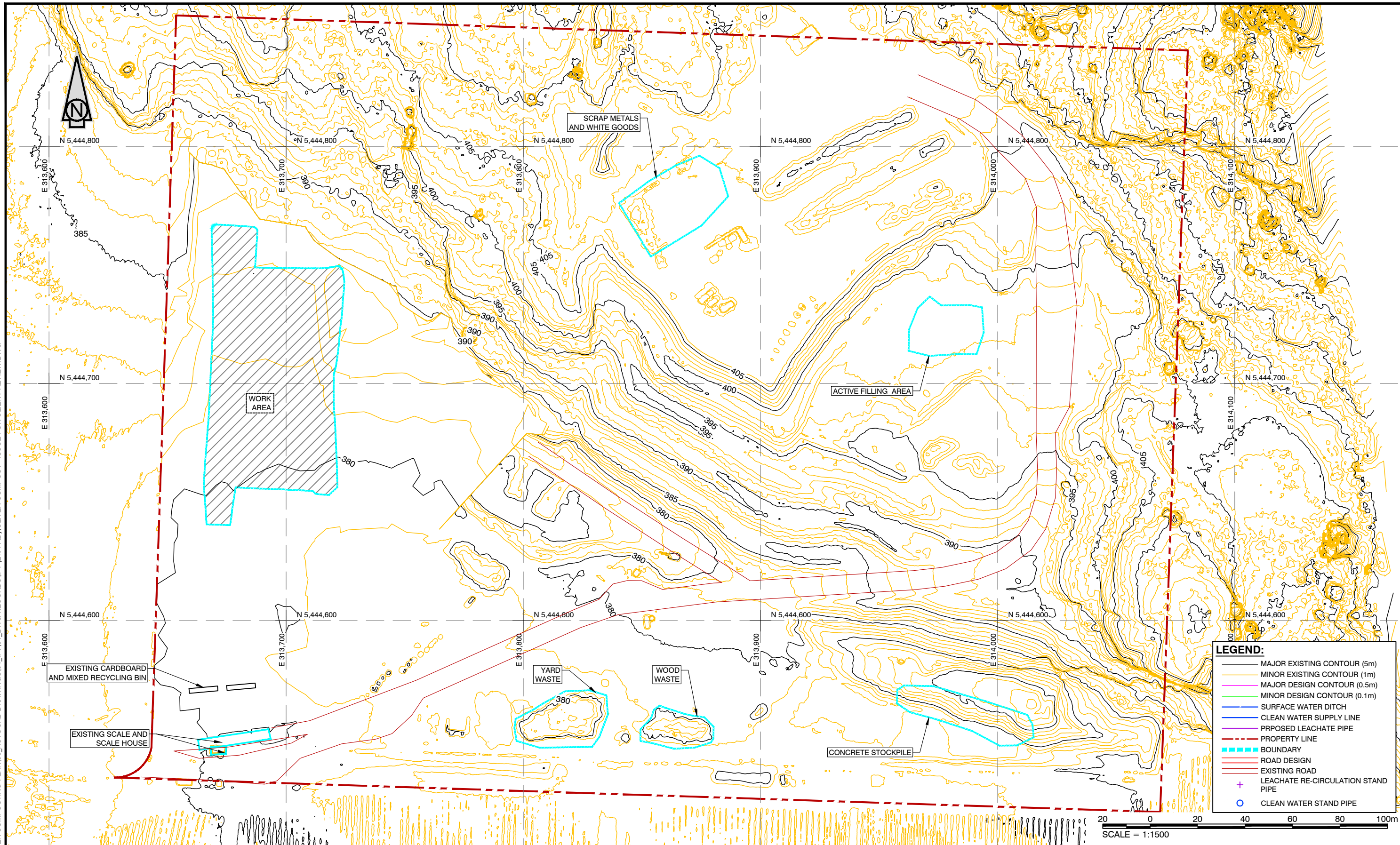
ADJUST SCALE 50% FOR 34"x22" SHEET

**OLIVER LANDFILL
COMPOST FACILITY DESIGN**

**COVER PAGE, LEGEND
AND DRAWING LIST**

DRAWING NO:	REV	SHEET
20053-000	D	000

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LEGEND:	
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	MINOR EXISTING CONTOUR (1m)
	MAJOR DESIGN CONTOUR (0.5m)
	MINOR DESIGN CONTOUR (0.1m)
	SURFACE WATER DITCH
	CLEAN WATER SUPPLY LINE
	PROPOSED LEACHATE PIPE
	PROPERTY LINE
	BOUNDARY
	ROAD DESIGN
	EXISTING ROAD
	LEACHATE RE-CIRCULATION STAND PIPE
	CLEAN WATER STAND PIPE

SCALE = 1:1500

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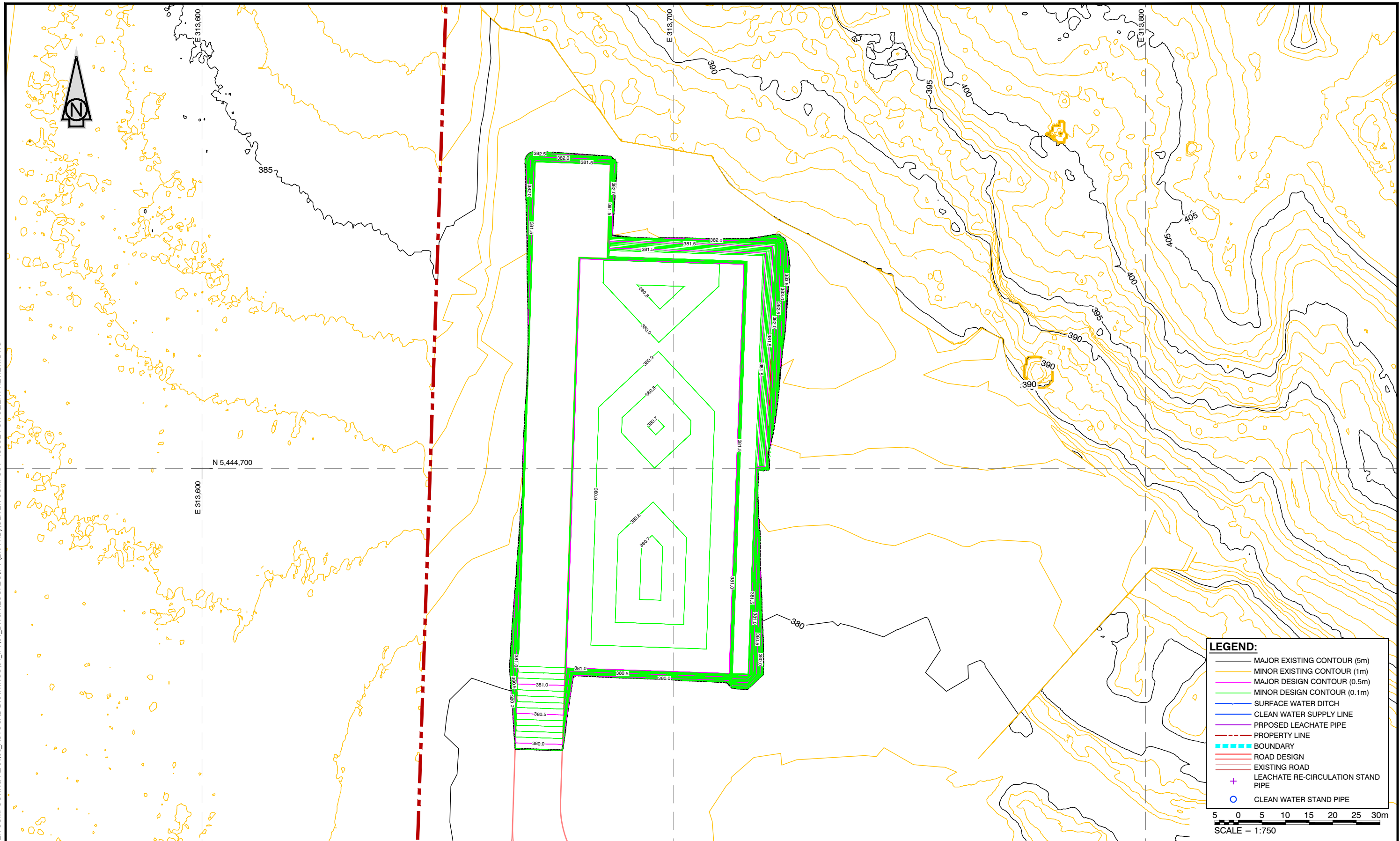
RDOS
OKANAGAN-SIMILKAMEEN

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OLIVER LANDFILL COMPOST FACILITY DESIGN		
EXISTING TOPOGRAPHY 2020-10-20 EG + 2022-01-20 EG		
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20053-001	D	001

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LEGEND:

- MAJOR EXISTING CONTOUR (5m)
- MINOR EXISTING CONTOUR (1m)
- MAJOR DESIGN CONTOUR (0.5m)
- MINOR DESIGN CONTOUR (0.1m)
- SURFACE WATER DITCH
- CLEAN WATER SUPPLY LINE
- PROPOSED LEACHATE PIPE
- PROPERTY LINE
- BOUNDARY
- ROAD DESIGN
- EXISTING ROAD
- + LEACHATE RE-CIRCULATION STAND PIPE
- CLEAN WATER STAND PIPE

5 0 5 10 15 20 25 30m
SCALE = 1:750

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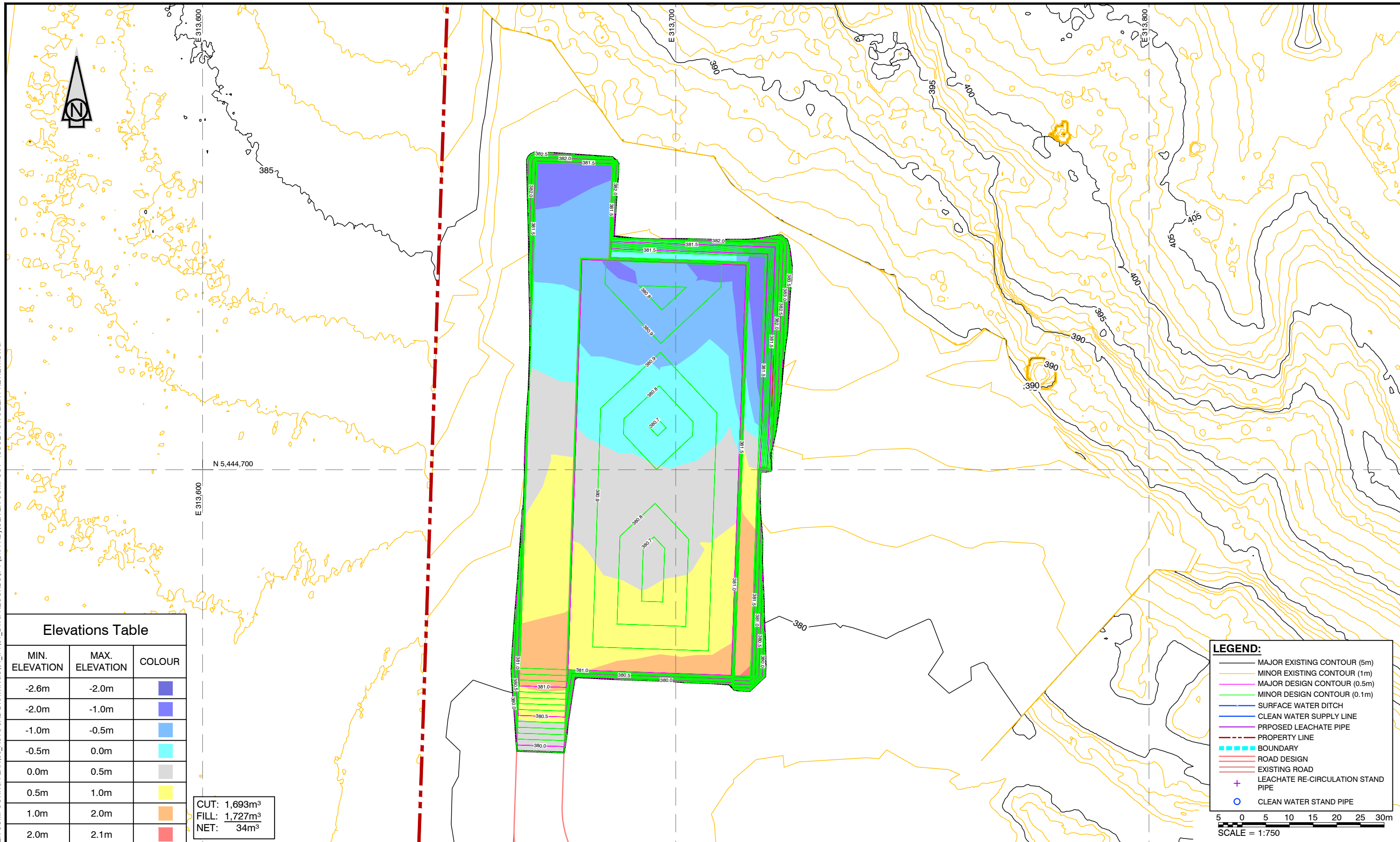
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APPROVED BY:	MC	VERTICAL SCALE:	1:750

OLIVER LANDFILL COMPOST FACILITY DESIGN		
COMPOST FACILITY DESIGN SUBGRADE		
DRAWING NO:	REV	SHEET
20053-002	D	002

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Elevations Table

MIN. ELEVATION	MAX. ELEVATION	COLOUR
-2.6m	-2.0m	Dark Blue
-2.0m	-1.0m	Blue
-1.0m	-0.5m	Light Blue
-0.5m	0.0m	Cyan
0.0m	0.5m	Grey
0.5m	1.0m	Yellow
1.0m	2.0m	Orange
2.0m	2.1m	Red

CUT: 1,693m³
 FILL: 1,727m³
 NET: 34m³

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5 0 5 10 15 20 25 30m
 SCALE = 1:750



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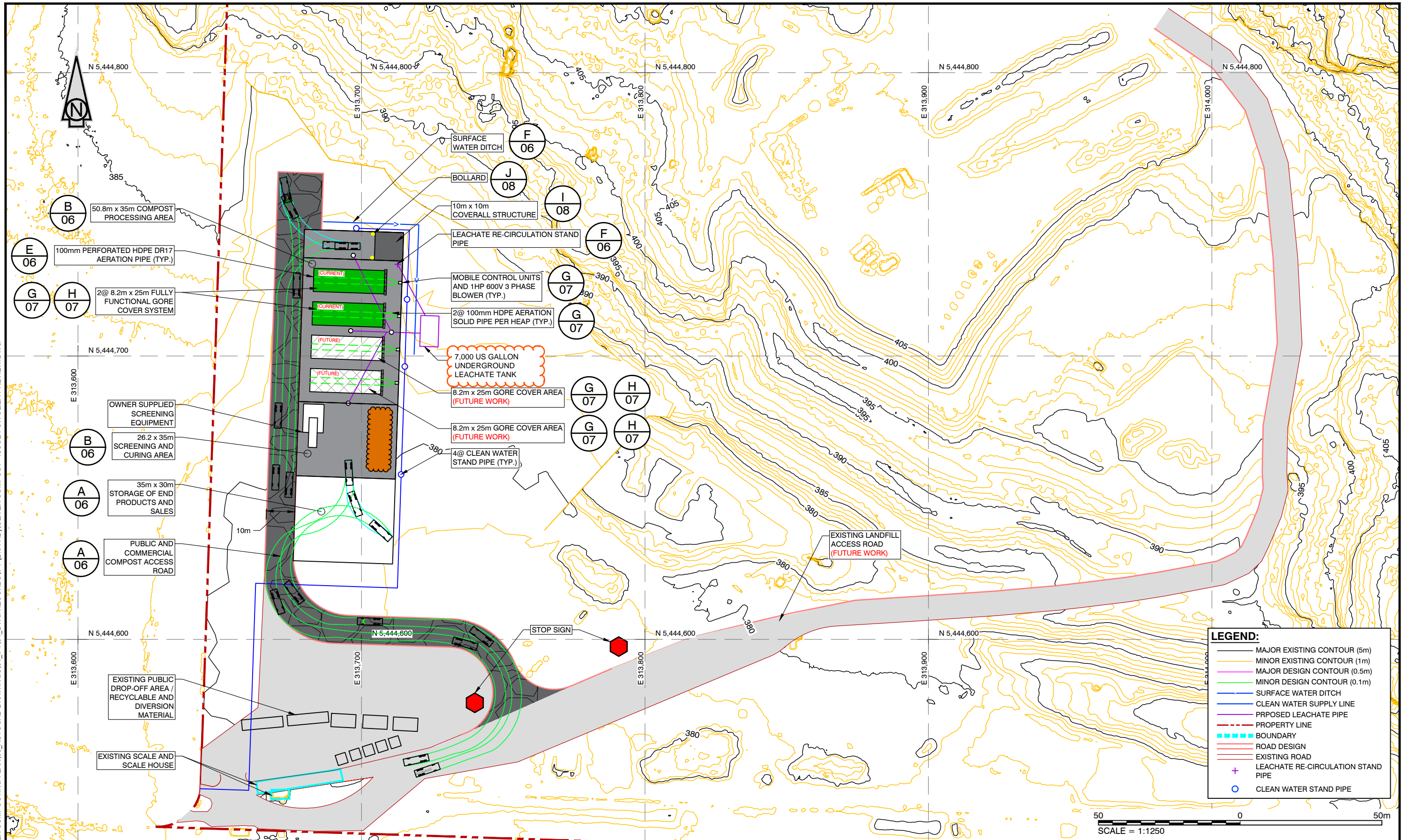
OLIVER LANDFILL COMPOST FACILITY DESIGN

CUT/FILL DESIGN SUBGRADE VS 2020-10-20 EG + 2022-01-20 EG

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50 0 50m
SCALE = 1:1250



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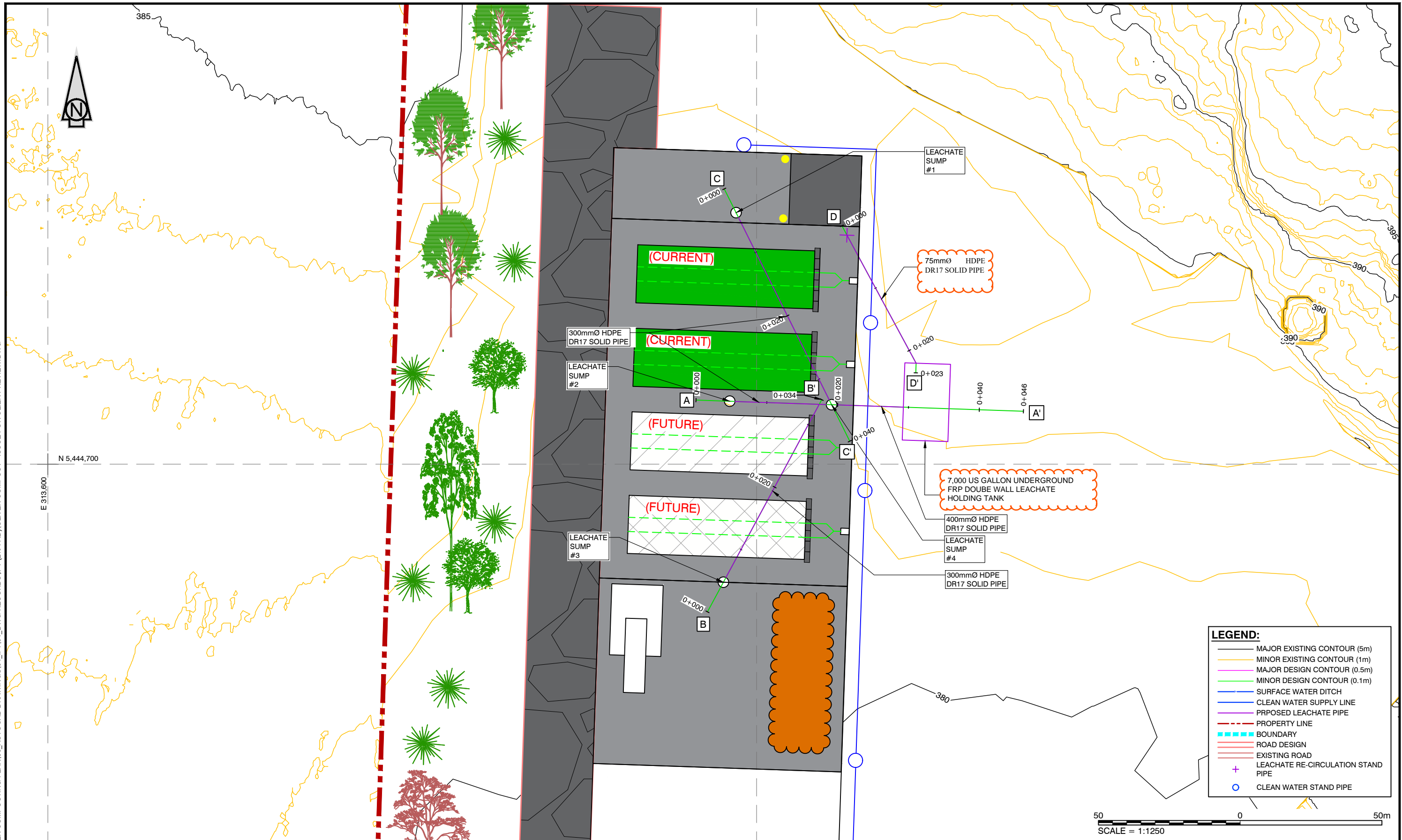
**OLIVER LANDFILL
COMPOST FACILITY DESIGN**

**COMPOST FACILITY
SITE AND TRAFFIC LAYOUT**

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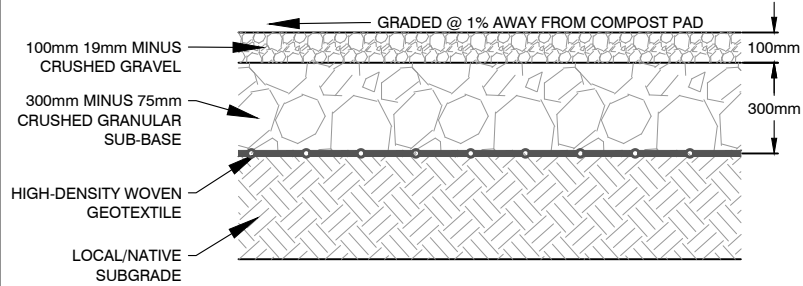
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CHECKED BY:	MC/SG	HORIZONTAL SCALE:	1:500
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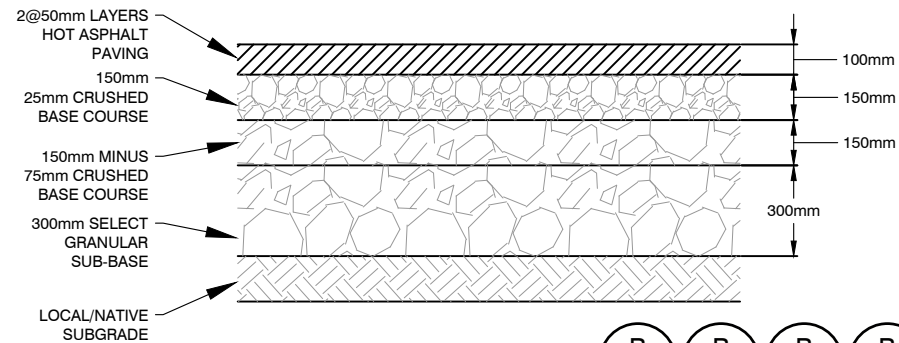
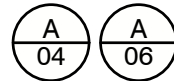
**OLIVER LANDFILL
COMPOST FACILITY DESIGN**

**LEACHATE MANAGEMENT
LAYOUT**

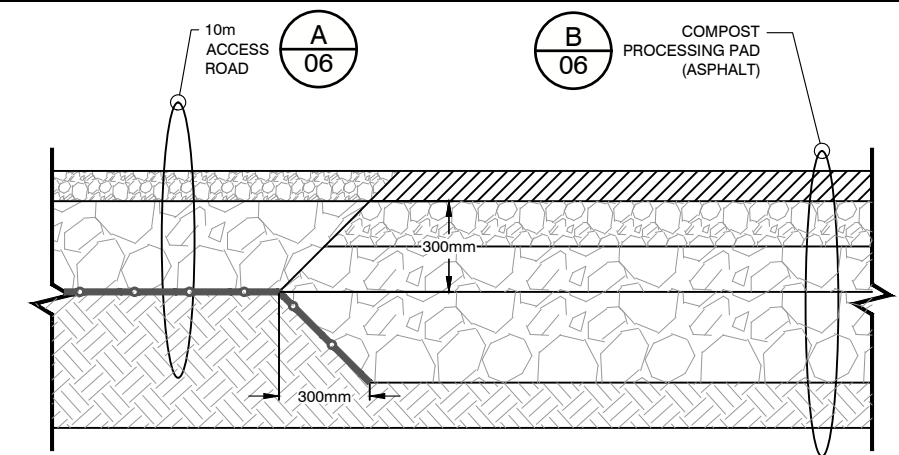
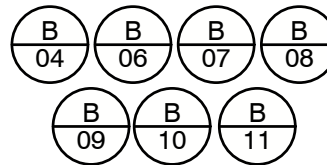
DRAWING NO:	REV	SHEET
20053-005	D	005



10m ACCESS ROAD DETAIL
SCALE 1:25



COMPOST PROCESSING PAD (ASPHALT)
SCALE 1:25



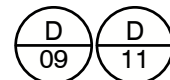
TIE IN COMPOST PROCESSING PAD (ASPHALT) TO PUBLIC ACCESS ROAD
SCALE 1:25



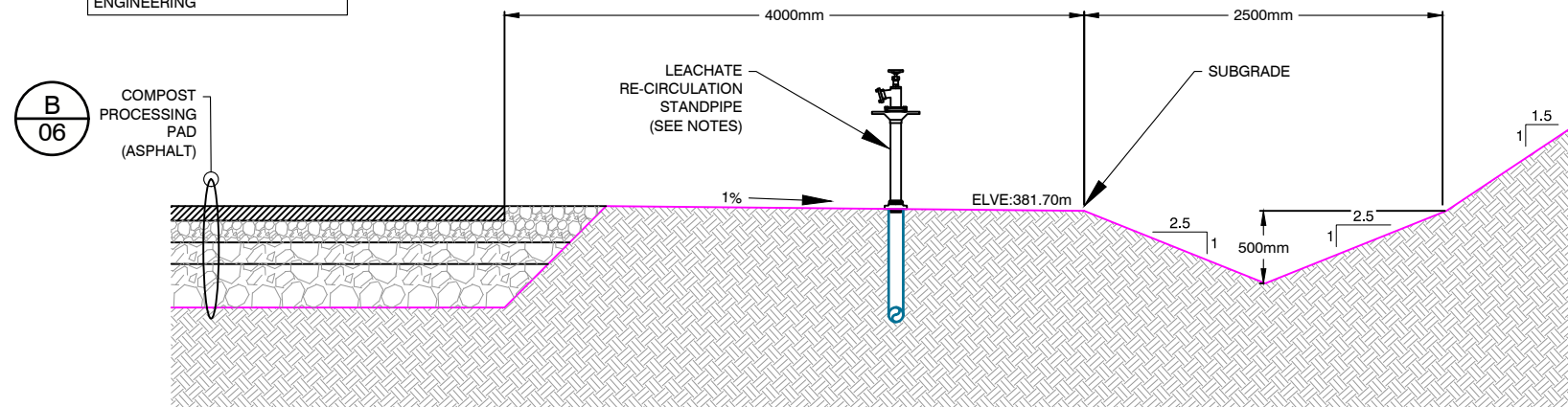
NOTE: CONFINED SPACE WARNING TO BE ON ALL MANHOLE LIDS, SIDES AND AS POSTED SIGN.



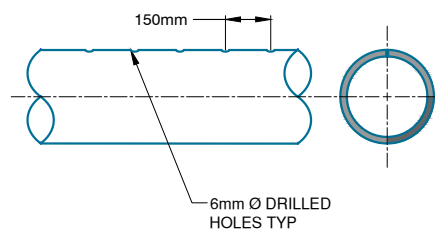
CONFINED SPACE WARNING SIGN DETAIL
SCALE 1:20



NOTE: LEACHATE STANDPIPE DESIGN CONFIGURATION SHOULD REFERENCED TO "TYPICAL ABOVE GROUND SELF-DRAINING STANDPIPE DESIGN" FROM TRUE ENGINEERING



LEACHATE RE-CIRCULATION STAND PIPE AND TIE-IN DETAIL
SCALE 1:50



NOTE: NO FIELD CUTTING ALLOWED. PIPE SHOULD BE PERFORATED BY MANUFACTURER OR CONTRACTOR BEFORE DELIVERED TO SITE.

100mm HDPE AERATION PIPE PERFORATION PATTERN
SCALE: 1:25



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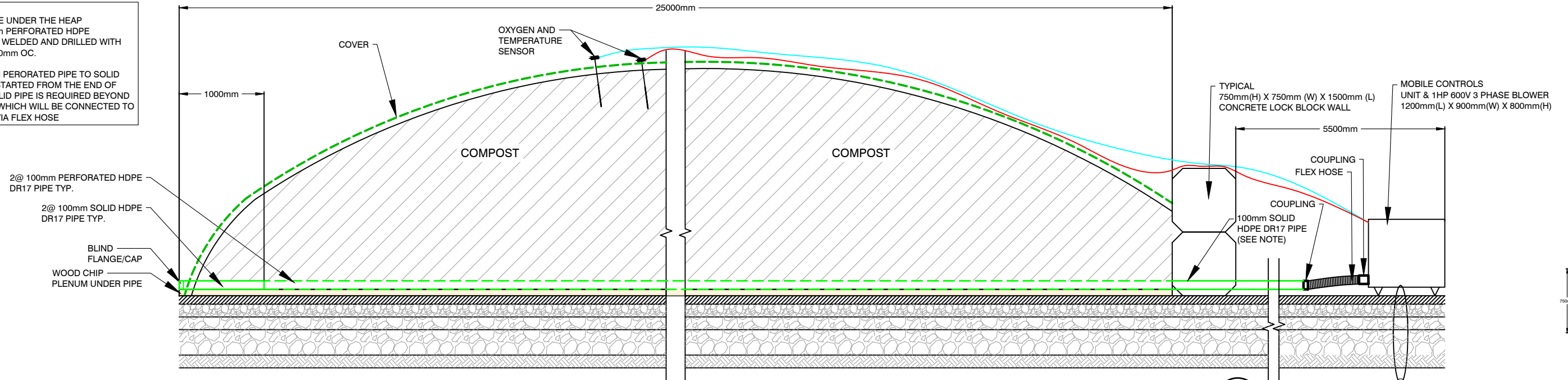
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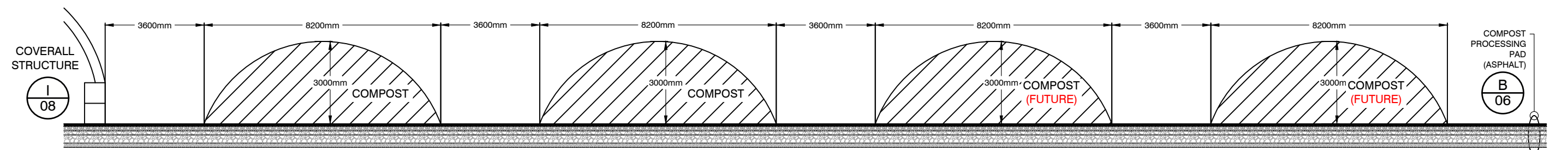
OLIVER LANDFILL COMPOST FACILITY DESIGN		
COMPOSTING PAD, ACCESS ROAD DETAILS		
DRAWING NO:	REV	SHEET
20053-006	D	006

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NOTE 1
 ALL AERATION PIPE UNDER THE HEAP SHOULD BE 100mm PERFORATED HDPE DR17 PIPE FUSION WELDED AND DRILLED WITH 6mm HOLES AT 150mm OC.
 TRANSITION FROM PERORATED PIPE TO SOLID PIPE SHOULD BE STARTED FROM THE END OF HEAP. 3000mm SOLID PIPE IS REQUIRED BEYOND THE TRANSITION, WHICH WILL BE CONNECTED TO MOBILE BLOWER VIA FLEX HOSE



GORE COMPOST BAY SECTION (EAST - WEST) (G/04)
 SCALE 1:50




GORE COMPOST BAY SECTION (NORTH - SOUTH) (H/04)
 SCALE 1:125

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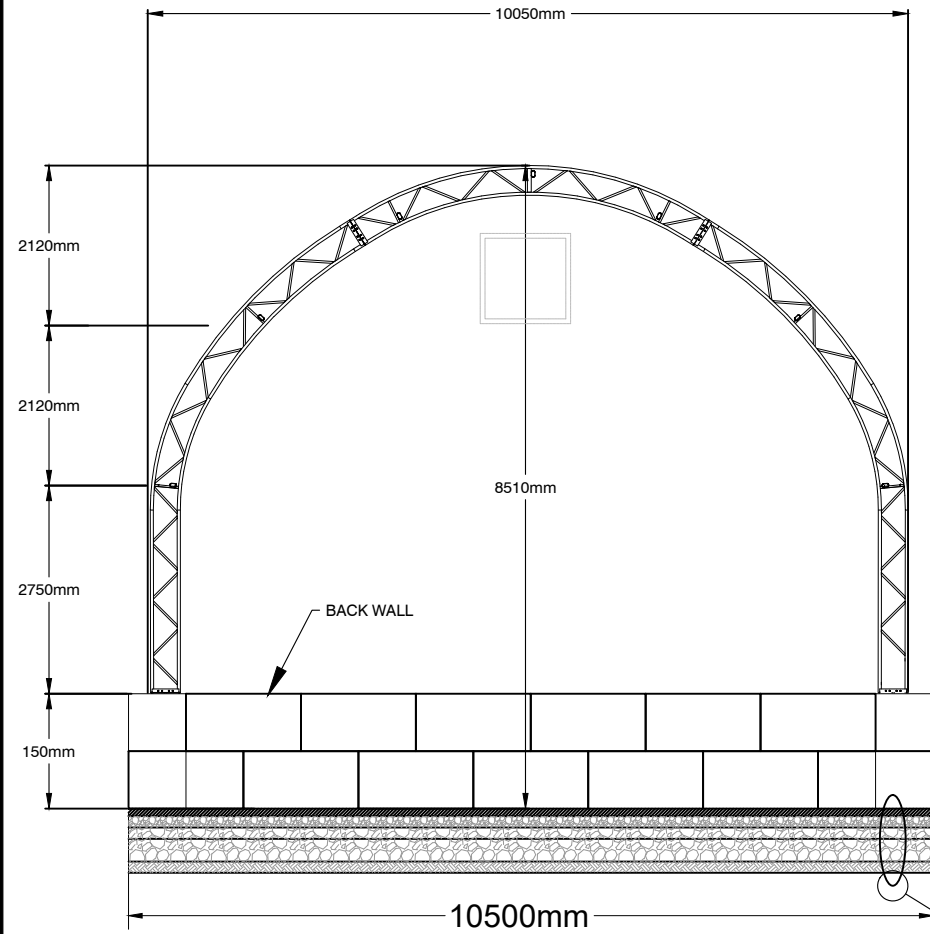
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 REGIONAL DISTRICT OF OKANAGAN-SIMILKAMEEN

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APPROVED BY:	MC	VERTICAL SCALE:	AS SHOWN

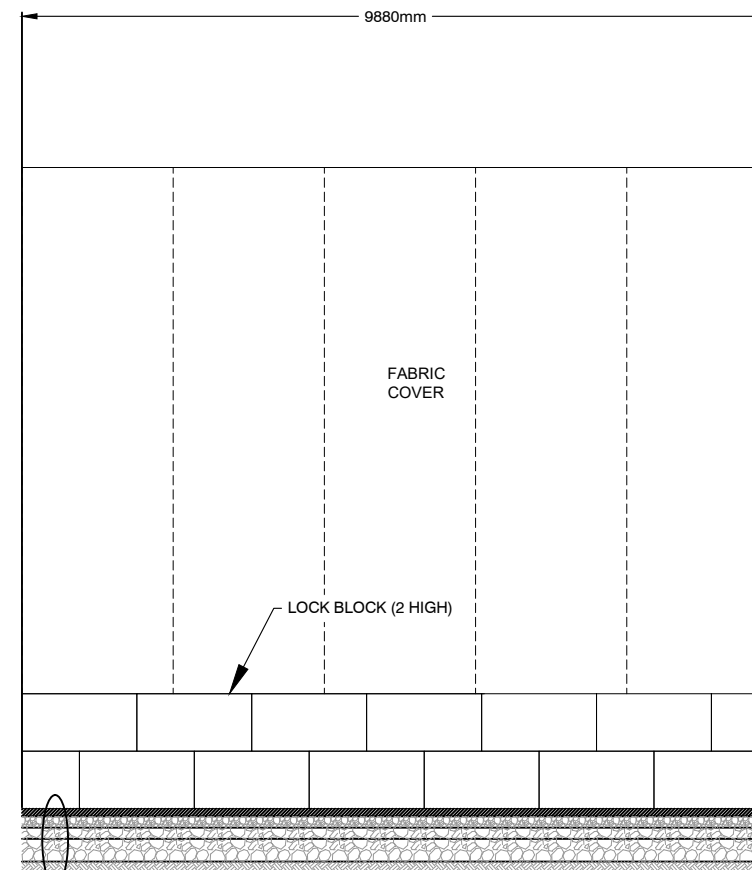
OLIVER LANDFILL COMPOST FACILITY DESIGN
GORE COMPOSTING DETAILS
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 REV: D
 SHEET: 007

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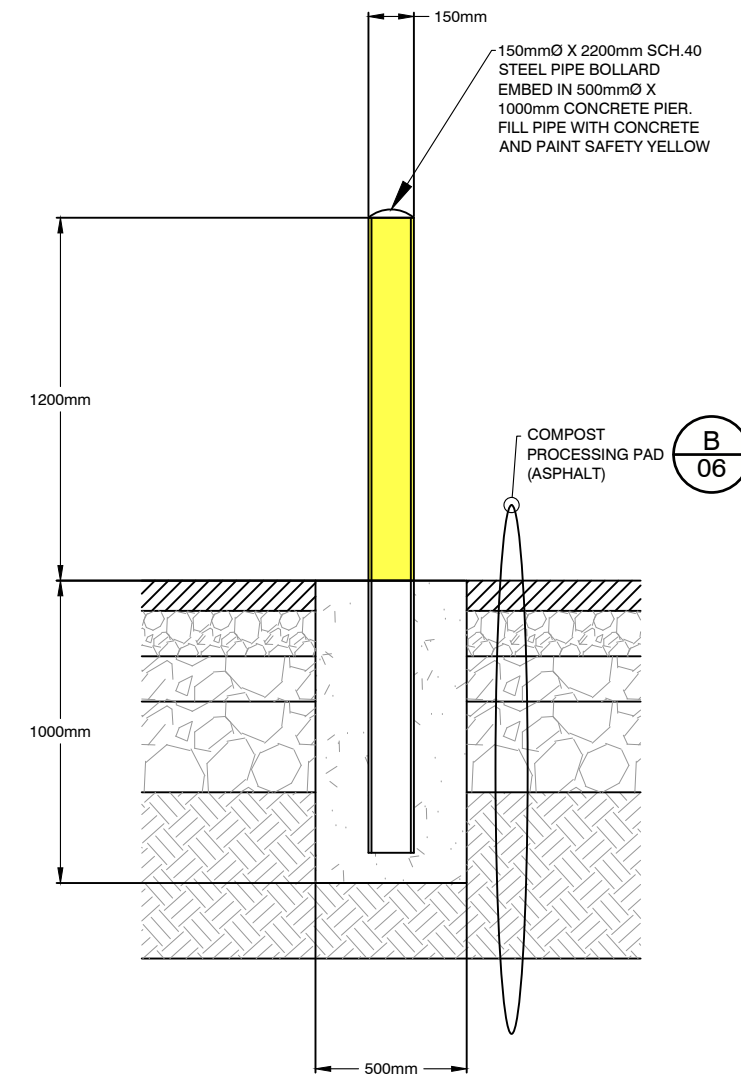
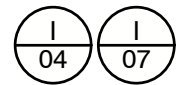


EAST AND WEST ELEVATION

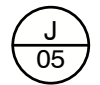
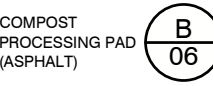


NORTH & SOUTH ELEVATION

PRE-ENGINEERED COVERALL BUILDING ELEVATION
SCALE 1:100



BOLLARD DETAIL
SCALE 1:25



SPERLING HANSEN ASSOCIATES
#8 - 1225 Keith Road East
North Vancouver, B.C. V7J 1J3
Phone: (604) 986-7723
Fax: (604) 986-7734

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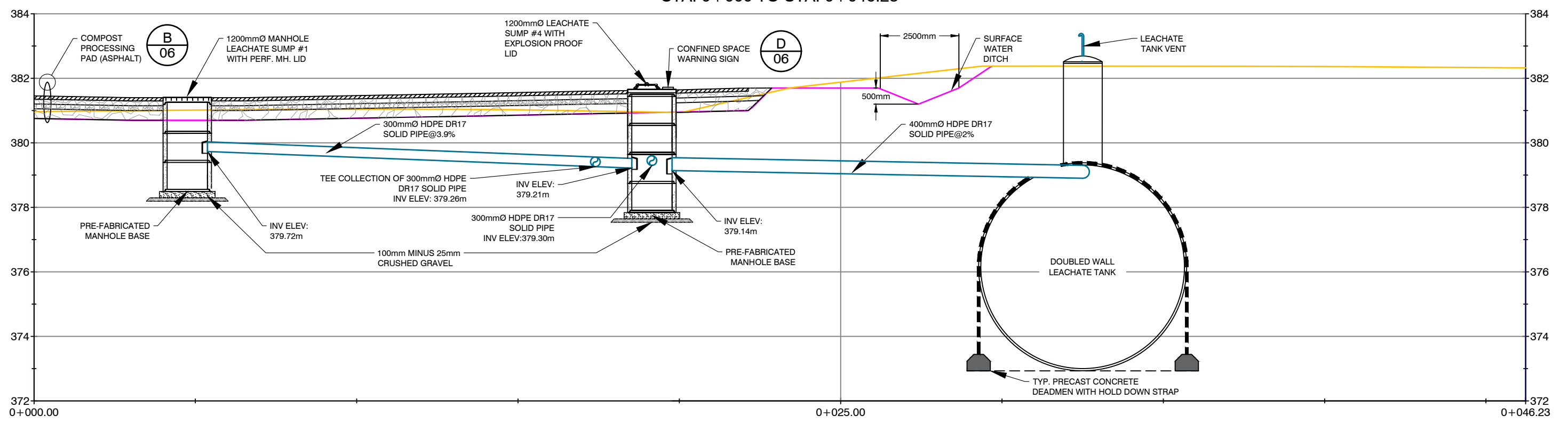


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OLIVER LANDFILL COMPOST FACILITY DESIGN		
PRE-ENGINEERED COVERALL BUILDING AND BOLLARD DETAILS		
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20053-008	D	008

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A-A' PROFILE
STA. 0+000 TO STA. 0+046.23



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HANSEN
ASSOCIATES**

Landfill Services Group

- Landfill Siting
- Design & Operations Plans
- Landfill Closure
- Environmental Monitoring

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North Vancouver, B.C. V7J 1J3
Phone: (604) 986-7723
Fax: (604) 986-7734

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CLIENT:

RDOS
REGIONAL DISTRICT
OKANAGAN-SIMILKAMEEN

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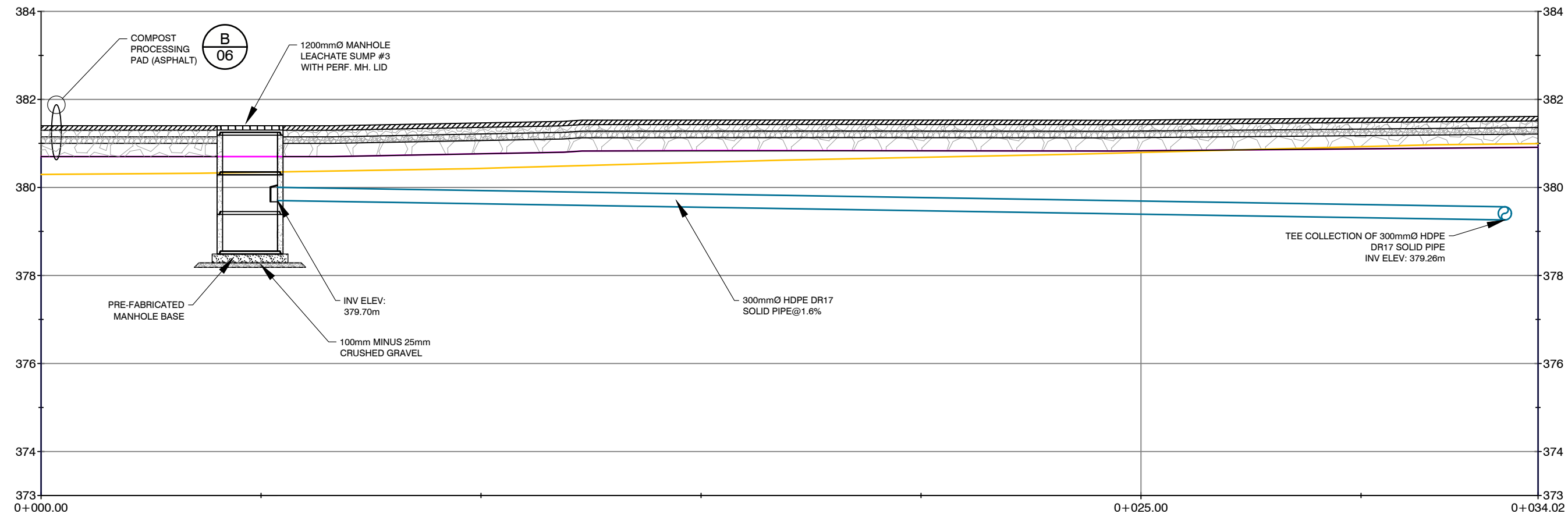
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**OLIVER LANDFILL
COMPOST FACILITY DESIGN**

SECTION A-A'

DRAWING NO:	REV	SHEET
20053-009	D	009

**B-B' PROFILE
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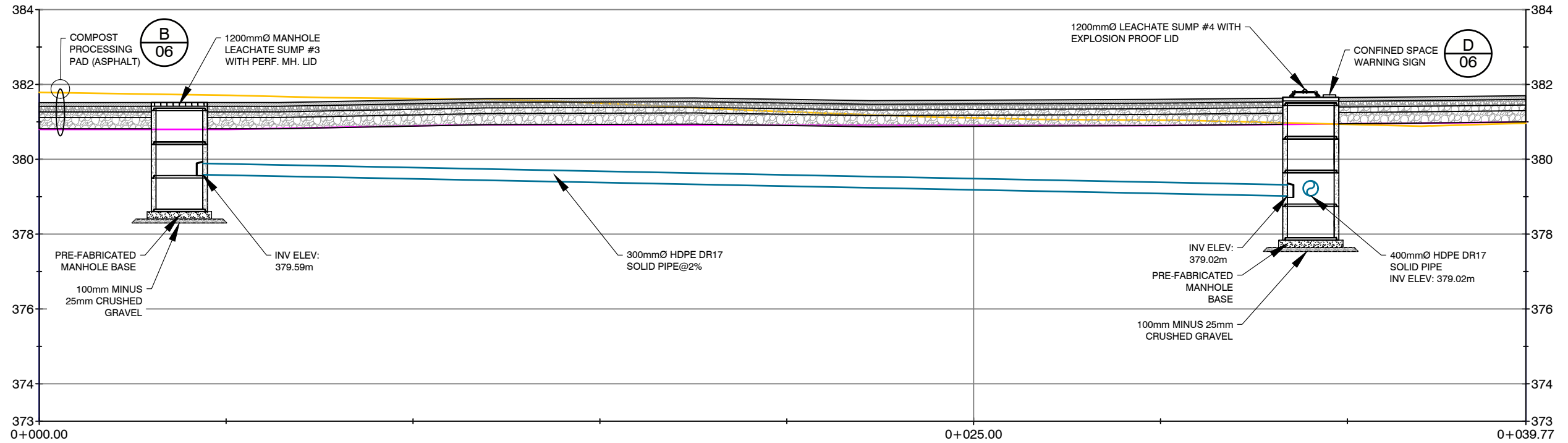
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REGIONAL DISTRICT
OKANAGAN-SIMILKAMEEN

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OLIVER LANDFILL COMPOST FACILITY DESIGN		
SECTION B-B'		
DRAWING NO:	REV	SHEET
20053-010	D	010

C-C' PROFILE
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ASSOCIATES**

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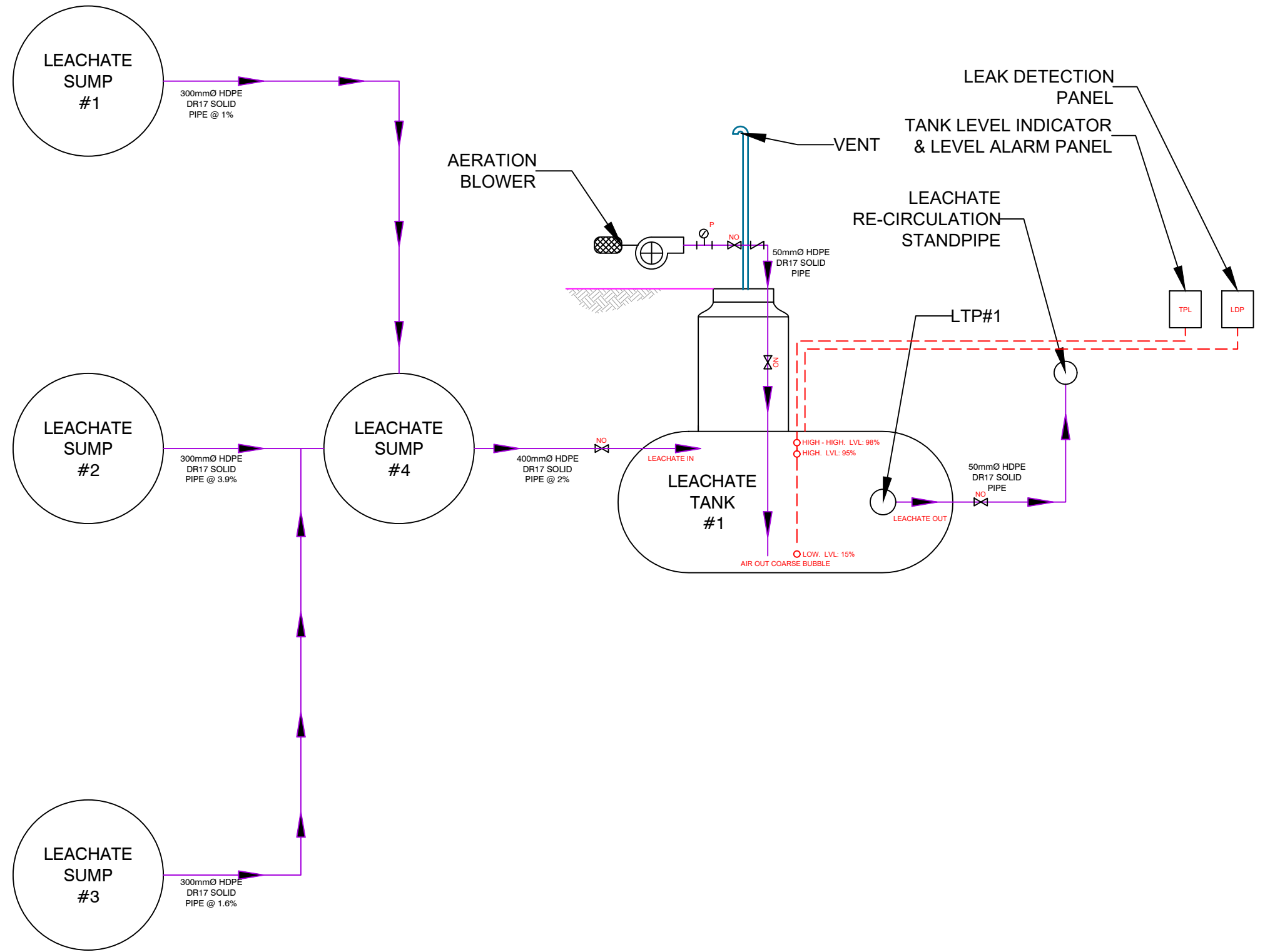
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**OLIVER LANDFILL
COMPOST FACILITY DESIGN**

SECTION C-C'

DRAWING NO:	REV	SHEET
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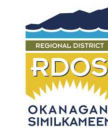
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OLIVER LANDFILL COMPOST FACILITY DESIGN		
LEACHATE SYSTEM SCHEMATICS		
DRAWING NO:	REV	SHEET
20053-012	D	012

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Appendix B

Revised Instructions to Tenderers Part 1 (reflecting revisions from
Addendum #1)

1.0 Introduction.....IT - 1

2.0 Tender DocumentsIT - 2

3.0 Submission of TendersIT - 3

4.0 Additional Instructions to Tenderers.....IT - 4

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(FOR USE WHEN UNIT PRICES FORM THE BASIS OF PAYMENT TO BE USED ONLY WITH THE GENERAL CONDITIONS AND OTHER STANDARD DOCUMENTS OF THE UNIT PRICE MASTER MUNICIPAL CONSTRUCTION DOCUMENTS.)

(TO BE READ WITH “INSTRUCTIONS TO TENDERERS - PART II”
CONTAINED IN THE EDITION OF THE PUBLICATION
“MASTER MUNICIPAL CONSTRUCTION DOCUMENTS” SPECIFIED IN ARTICLE 2.2 BELOW)

Owner: Regional District of Okanagan-Similkameen
(NAME OF OWNER)

Contract: Construction Services for the Oliver Landfill Organics Composting Facility
(TITLE OF CONTRACT)

Reference No. RDOS-22-ENG-05
(OWNER'S CONTRACT REFERENCE NO.)

1.0 Introduction

1.1 These Instructions apply to and govern the preparation of tenders for this *Contract*. The *Contract* is generally for the following work but not limited to:

1. Earthworks & Site Regrading: The Contractor is required to clear, grub, strip soil, prepare site for construction of composting pad, water service, lock block, drainage and roads.
2. Composting Facility: The Contractor is required to supply and install the Dome structure, construct leachate management system, prepare subgrade and pave, and place piping and conduit for water, electrical, and leachate. The Contractor is required to supply and install various mechanical systems including but not limited to leachate collection and disposal sumps/pumps and tank .
3. Electrical: The Contractor is required to construct general misc. electrical systems for lighting and mechanical equipment. The Contractor is required to commission, test and provide necessary manuals and training for systems.
4. Miscellaneous: The Contractor is required to complete some miscellaneous works including landscaping, signage, testing and QA/QC for paving works, and more.

(BRIEF DESCRIPTION OF THE WORK)

1.2 Direct all inquiries regarding the *Contract*, to:

Scott Garthwaite, ASCT, Project Manager with Cc to Shane Fenske, ASCT

(NAME AND POSITION OF INDIVIDUAL WHO WILL ANSWER INQUIRIES)

Address: Sperling Hansen Associates Inc.

1332 McGill Rd,

Kamloops, BC V2C 6N6

Phone: 604 803 - 7120

Email: sgarthwaite@sperlinghansen.com

Address: Regional District of Okanagan Similkameen

101 Martin Street,

Penticton, BC V2A 5J9

Phone: 250 490 - 4117

Email: sfenske@rdos.bc.ca

The deadline for submitting inquiries is **Friday April 29, 2022, at 4:00 pm.**

2.0 Tender Documents

- 2.1 The tender documents which a tenderer should review to prepare a tender which consists of all of the *Contract Documents* listed in Schedule 1 entitled "Schedule of Contract Documents". Schedule 1 is attached to the Agreement which is included as part of the tender package. The *Contract Documents* include the drawings listed in Schedule 2 to the Agreement, entitled "List of *Contract Documents*".
- 2.2 A portion of the Contract Documents are included by reference. Copies of these documents have not been included with the tender package. These documents are the Instructions to Tenderers - Part II, General Conditions, Specifications and Standard Detail Drawings. They are those contained in the publication entitled "Master Municipal Construction Documents - General Conditions, Specifications and Standard Detail Drawings". Refer to Schedule 1 to the Agreement or, if not specified in Schedule 1, then the applicable edition shall be the most recent edition as of the date of the Tender Closing Date. All sections of this publication are by reference included in the Contract Documents.
- 2.3 Any additional information made available to tenderers prior to the Tender Closing Time by the Owner or representative of the Owner, such as geotechnical reports or as-built plans, which is not expressly included in Schedule 1 or Schedule 2 to the Agreement, is not included in the Contract Documents. Such additional information is made available only for the assistance of tenderers who must make their own judgment about its reliability, accuracy, completeness and relevance to the Contract, and neither the Owner nor any representative of the Owner gives any guarantee or representation

that the additional information is reliable, accurate, complete or relevant.

3.0 Submission of Tenders

3.1

Tenders **must be submitted in print form** to the office of:

Regional District of Okanagan-Similkameen

Attention: Shane Fenske, AScT

(TITLE OF POSITION)

on or before:

Tender Closing Time: 4 : 00 , PM local time

Tender Closing Date: May 13 , 20 22

3.2

Late tenders will not be accepted or considered, and will be returned unopened.

4.0 **Additional
Instructions to
Tenderers**

- 4.1 Total Performance is expected on or before November 1, 2022.
- 4.2 Substantial Performance is expected on or before October 15, 2022.
- 4.3 Notice of Award is expected on May 27, 2022.
- 4.4 Notice to Proceed is expected on June 10, 2022.

These Supplemental Instructions to Tenderers modify the MMCD Instructions to Tenderers - Part II in the following sections:

- 4.5 IT 5.3 is amended by adding the following after IT 5.3.5:
 - 5.3.6 Appendix 6 - List of Available Equipment Owned by the Contractor.
- 4.6 IT 6.2 and 6.3 are deleted.
- 4.7 The following will replace IT 8.1:
 - 8.1(a) Subject to the current federal and provincial health restrictions with respect to the COVID-19 pandemic, a **mandatory visit** by tenderers to the Place of the Work is scheduled for **9:00 a.m. on April 12, 2022**. Representatives of the Owner and Contract Administrator will be in attendance. It is recommended that all tenderers attend the **mandatory** site visit. It is anticipated that answers to questions that are made at the **mandatory** site visit will be distributed through an Addendum. The holding of the **mandatory** visit in no way limits the responsibility of tenderers under paragraph 8.1 of these Instructions to Tenderers – Part II or otherwise to have inspected the Place of the Work.
- 4.8 Award of the Contract is subject to the approval of the Board of Directors.
- 4.9 Award of the Contract is subject to funds being legally available for the project.
- 4.10 The Contractor will provide all construction layouts. Digital files will be provided by the Owner or Consultant for layout purposes.
- 4.11 All materials and density testing, including granular materials and compaction tests, will be arranged by and paid for by the Contractor. The Contractor is responsible for ensuring all materials meet MMCD specifications and any Supplementary Specifications. Where initial tests fail and subsequent testing is considered necessary by the Contract Administrator, the subsequent testing will be arranged by and paid for by the Contractor.
- 4.12 The Owner reserves the right to reject any or all tenders or to accept any tender should it be considered in the interest of the Owner to do so. The lowest of any tender will not necessarily be accepted and the Owner reserves the right to negotiate with any bidder.

UNIT
PRICE
CONTRACT

INSTRUCTIONS TO TENDERERS PART I

IT – PART I
IT - 5
2009



Appendix C

Revised Schedule A Supplementary General Conditions (reflecting
revisions from Addendum #1)

Schedule A

8.2 SUPPLEMENTARY GENERAL CONDITIONS

SGC.1 HOURS OF WORK; WORK AREAS

The Contractor must comply at all times with the Regional District of Okanagan-Similkameen (RDOS or Regional District) Noise Control By-Law and verify the hours within which construction work may be performed. No work noise shall be created except as permitted by all applicable RDOS by-laws.

The Regional District's forces work at the Oliver Landfill (the Landfill Site) between the hours of 10:00 A.M. and 3:45 P.M. Monday through Saturday (March to end of November) and 12:00 PM to 3:45 PM Monday through Friday, and 10:00 AM to 3:45 PM on Saturdays (December to end of February), Sundays or "holidays" as defined in the *Employment Standards* of British Columbia). Work will not be performed by RDOS forces or RDOS inspectors outside these hours except by special arrangement agreed to by the Consultant or in case of an emergency. The Consultant will be made available for all critical stages in accordance with notification requirements. Where deemed necessary, work performed in the absence of a required inspection is not permitted. Notwithstanding any other provision hereof, the District shall not pay overtime labour rates to the Contractor (for example, but without limitation, in relation to any Force Account Work), unless the payment of overtime has been specifically approved in writing by the RDOS, and the Contractor hereby acknowledges that such overtime labour and equipment rates shall only be considered by the RDOS if the Contractor is required to work in excess of ten (10) hours per day or in excess of six days per week to complete the Work.

The Contractor will have unrestricted access to the landfill for the duration of the project. The Contractor will be provided 2 keys for the landfill gate at the project kickoff meeting.

SGC.2 WORK WITH CONSULTANT AND COORDINATION ON SITE

The Work shall be done in accordance with the Contract Documents and to the satisfaction of the Contract Administrator (also referred to in the Contract Documents as "Engineer" and "Owner's Representative"). The Contractor shall coordinate the Work with the Contract Administrator, the Owner and other contractors, as necessary. The Contractor shall have no cause for claim against the Regional District whatsoever with respect to delays or other interruption of the Work by the Regional District forces or due to the above requirement to coordinate the Work with the Contract Administrator, the Owner and other contractors.

The Contractor will be responsible for completing the Work in a way that does not hinder other work on the Landfill Site being conducted either by the Regional District or third parties. The Contractor will have no cause for claim against the Regional District whatsoever with respect to delays or other interruption of the Work due to the above requirement to complete the Work in a way that does not hinder other work on the Landfill Site.

The Contractor will have unrestricted access to the Landfill for the duration of the Project. The Contractor will be provided with 2 sets of keys for the Landfill Gate.

Notwithstanding any other provision hereof, it is expressly hereby agreed that the Contractor's rights to access the Landfill Site shall at all times be subordinated to the rights of other contractors already performing operations at the Landfill Site as of the date of the Agreement.

SGC.3 DESIGN AND INSPECTION

The Consultant has been hired by the Regional District as the Contract Administrator, consultant to complete the Specifications and Drawings, be the payment certifier and conduct inspections during the performance of the Work. The Contractor must allow inspectors from the Consultant and the Regional District to perform their reviews and inspections during the Work so that all design standards, specification requirements, quantities and prices may be independently verified.

SGC.4 TRAFFIC MANAGEMENT AND COORDINATION

The Contractor will not use the Site for the parking of its employees or other vehicles, except for those actively and reasonably required for the performance of the Work. Vehicle traffic within the Site must be limited to Work purposes, such as grading, staging and delivery. All Work shall be in full compliance with WorkSafeBC requirements and guidelines.

The Traffic Control Plan shall be approved by the Engineer prior to commencing any Work.

SGC.5 TRUCK SAFETY

All truck operators must comply with the Regional District by-laws regulating truck use, including truck route, engine brake noise, and weight and load securement provisions, and must also obey the posted speed limits at the Oliver Landfill.

SGC.6 CONSTRUCTION DURING INCLEMENT WEATHER

In accordance with the Specifications, placement, compaction and/or installation of materials shall not be conducted while it is raining or snowing, when ground conditions are wet, or in poor sub-grade conditions, unless approved by the Consultant.

The Consultant may order the Contractor to cease certain operations due to inclement weather at any time.

There will be no extensions to the Construction Schedule granted and no extra compensation payable on account of delays caused by inclement weather. Any costs incurred by the Contractor to accelerate the Work in order to achieve the Construction Schedule will be borne solely by the Contractor.

SGC.7 DUST AND ODOUR CONTROL

The Contractor shall at all times control the generation of dust by its operations by water sprinkling or by other methods approved by the Contract Administrator. There is no available water supply at the Oliver Landfill. The Contractor is also responsible for regular maintenance on the Work Site and any attributable road cleanliness on the Landfill Site and adjacent public roads, including but not limited to road sweeping and vehicle washing, in order to reduce any accumulated dust and other debris.

SGC.8 SUBSURFACE CONDITIONS

The Contractor now acknowledges that it is experienced and familiar with assessing and working with the variable and unpredictable nature of compacted landfill waste and unknown material and sub-surface conditions and acknowledges that the Owner has made available to the Contractor all available information concerning the relatively unknown state of decomposition, compaction, and composition of the residential, commercial and industrial waste, demolition material, and other matter comprising the subject matter of the Work. The Contractor now assumes all risks of any kind or nature associated with performing the Work on and in landfill waste, whether or not such risks arise due to the reasonably foreseeable consequences of working in and around landfill waste, and whether or not such risks are the result of sub-surface conditions which were not known to the Contractor at the time of submitting the Contractor's Tender, and the Contractor now agrees not to make any claim for an extension of Contract Time or additional compensation for anything arising during the Contract which would not have occurred but for the existence of landfill waste.

The Contractor shall be solely and fully responsible to take all necessary measures to protect underground utilities from any excavation damage within the worksite. The Owner has indicated the presence of underground utilities (underground facilities) known

to be within the proposed area of excavation on the Construction Drawings issued for Tender. The location of underground utilities as identify in the Drawings shall be considered approximate and for information only. The underground utilities include, but not limited to fiber optic cables, pump discharge force mains, electrical conduits and cables, water and sewage pipes. Irrespective of the depth of the utility line, the Contractor must not use mechanical excavating equipment to dig within the boundary limits to expose the utility line. Hydrovac excavation or equivalent can be used as an alternative to hand digging.

SGC.9 ENVIRONMENTAL PROTECTION AND SUSTAINABILITY

The Contractor shall give prime consideration to protecting the environment during all stages of construction and shall cooperate fully with Owner, Consultant, Site operating personnel, and appropriate authorities to protect the natural environment.

Inspectors from the Ministry of Environment and Climate Change Strategy (ENV) and other authorities having jurisdiction may make periodic visits to the Site during construction. They have the authority to order the Contractor to stop work if in their opinion work is not being completed in accordance with existing regulations and approvals applicable to Work. The Contractor must provide at all times proper facilities for safe access to the Work by authorized government officials.

The Contractor will provide environmentally sensitive products or services wherever possible. Where the Contract Documents require that the Contractor supply materials, and where such materials may cause adverse effects, the Tenderer is to notify the Consultant of the nature of the hazard. The Contractor is to advise the Consultant of any known alternatives or substitutes for such materials that would mitigate the effects of any adverse conditions on the environment.

SGC.10 COMPLIANCE WITH LAWS

The Contractor will complete the Work in accordance with the requirements of all Applicable Laws.

The Contractor will be required to obtain and pay for any applicable municipal, provincial and federal permits and licenses necessary for the proper completion of the Work. The Regional District will not be liable in any manner for the same and the Contractor agrees to indemnify and save the Regional District from and against all claims and Losses in relation to obtaining and paying for any applicable municipal, provincial and federal permits and licenses necessary for the proper completion of the Work. Extra

compensation will not be allowed for costs incurred by the Contractor as a result of the failure of the Regional District or the Contractor to secure construction permits such that the Contractor can proceed with the Work in accordance with the Construction Schedule.

SGC.11 PRICING

The Tendered Price will represent the entire cost excluding GST to the Owner of the complete Work based on the estimated quantities in the Schedule of Quantities and Prices of the Form of Tender. Notwithstanding the generalities of the above, tenderers shall include in the tendered prices (including unit prices, lump sum prices, or other forms of pricing) sufficient amounts to cover:

- (a) The cost of all labour, equipment and material included in or required for the Work, including all items which, while not specifically listed in the Schedule of Quantities and Prices, are included in the Work specifically or by necessary inference
- (b) from the Contract Documents;
- (c) All assessments payable with respect to labour as required by any statutory scheme such as unemployment insurance, holiday pay, insurance, CPP and all employee benefits and the Workers Compensation Act;
- (d) All overhead costs, including head office and on-site overhead costs, and all amounts for the Contractor's profit.

The tendered prices and all subcontracts must allow for compliance with all applicable laws regarding trade or other qualifications of employees performing the Work, and payment of appropriate wages for labour included in or required for the Work.

SGC.12 QUANTITY VARIATION

If for any reason, including an addition or deletion of work, the actual quantity of a unit price item listed in the Schedule of Quantities and Prices varies, neither the Contractor nor the Owner shall be entitled to unilaterally revise the unit price of said item. The unit rates set out in the Schedule of Quantities and Prices shall be considered fixed unless a mutual agreement in writing is reached.

SGC.13 VARIANCE THRESHOLD PERCENTAGE

GC 1.76 "Variance Threshold Percentage" is 15%

SGC.14 DAMAGES TO OTHER CONTRACTORS

If in the performance of the Work the Contractor causes damages to another Contractor, the Contractor shall use best reasonable efforts to reach a settlement with the Other Contractor. If another Contractor commences litigation or arbitration proceedings against the Owner on account of damage that the Other Contractor alleges was caused by the Contractor, then the Owner shall so notify the Contractor in writing. On written demand from the Owner, the Contractor shall, at the Contractor's own expense, reasonably cooperate with the Owner in the defence of the Other Contractor's claim, or assume the entire defence of the Owner. If a final order or judgement is given in such litigation or proceeding against the Owner the Contractor shall pay or satisfy it and pay all defence costs reasonably incurred by the Owner.

SGC.15 WILDFIRE PREVENTION AND MITIGATION

The Contractor will be responsible at its own cost to comply with the Wildfire Act and perform its activity in such manner to reduce the risk of wildfires and to minimize the impact if a wildfire does occur. As soon as the Fire Danger Rating as defined by the Canadian Forest Fire Danger Rating System is above Moderate, the Contractor will be responsible to supply and maintain at its own cost, for as long as needed, fire suppression equipment consisting of mobile water supply apparatus complete with high flow water pump. The Contractor will be responsible at its own cost to bring water to site for construction purposes, dust and fire suppression.