

Notice of Alteration Form



Client File No. :	Environment Act Licence No. : 58 HW S2 RRRR	
Legal name of the Licencee:	Miller Environmental Corporation	
Name of the development:	Manitoba Environmental Centre	
Category and Type of development per Classes of Development Regulation:	Waste Treatment and Disposal <SELECT>	
Licencee Contact Person:	Dave Howes	
Mailing address of the Licencee:	1803 Hekla Avenue	
City:	Province:	Postal Code:
Winnipeg	MB	R3N0T1
Phone Number: (204) 925-9604	Fax:	Email: daveh@millerenvironmental.mb.ca
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant): Dave Howes		
Phone: (204) 925-9604	Mailing address:	
Fax:	1803 Hekla Avenue, Winnipeg, MB R3N 0T1	
Email address: daveh@millerenvironmental.mb.ca		
Short Description of Alteration (max 90 characters): Construction of leachate pond.		
Alteration fee attached: Yes: <input type="checkbox"/> No: <input checked="" type="checkbox"/>		
If No, please explain: Alteration does not include changes that alter environmental effects and current operating licence +		
Date: 2021-06-15	Signature:	
	Printed name: Dave Howes	
<p>A complete Notice of Alteration (NoA) consists of the following components:</p> <ul style="list-style-type: none"> <input checked="" type="checkbox"/> Cover letter <input checked="" type="checkbox"/> Notice of Alteration Form <input type="checkbox"/> 2 hard copies and 1 electronic copy of the NoA detailed report (see "Information Bulletin - Alteration to Developments with Environment Act Licences") <input type="checkbox"/> \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance) 		<p>Submit the complete NoA to:</p> <p>Director Environmental Approvals Branch Manitoba Sustainable Development 1007 Century Street Winnipeg, Manitoba R3H 0W4</p> <p>For more information:</p> <p>Phone: (204) 945-8321 Fax: (204) 945-5229 http://www.gov.mb.ca/sd/eal</p>
<p>Note: Per Section 14(3) of the Environment Act, Major Notices of Alteration must be filed through submission of an Environment Act Proposal Form (see "Information Bulletin – Environment Act Proposal Report Guidelines")</p>		



Miller Environmental Corporation

1803 Hekla Avenue
Winnipeg, Manitoba R2R 0K3
Tel. (204) 925-9600 Fax (204) 925-9601

Committed to Leadership in Our Industry

June 15, 2021

Manitoba Conservation and Climate
Environmental Approvals Branch
1007 Century Street
Winnipeg, MB R3H 0W4

Attention: Laura Pyles, Director (Acting), Environmental Approvals Branch

Dear Ms. Pyles:

RE: Dangerous Goods Handling and Transportation Act Licence 58 HW S2 RRRR

Please accept this as Miller Environmental Corporation's (Miller) notification for the installation of a new leachate pond as regulated under the issued Dangerous Goods Handling & Transportation Act License No. 58 HW S2 RRRR.

Miller has been working with Crocus Environmental Inc. to provide the engineered drawings and construction details to support the leachate pond installation. For leachate pond details, please refer to Appendix A – Leachate Pond Stamped Construction Drawings. The new leachate pond will be located on the east side of repository cell 3 (RC3). The 60 m x 58 m bermed pond will be lined with a 60 mil HDPE liner with a 2 m below grade depth. Leachate discharge lines will run from existing berm separated leachate containment area within the repository cells (RC1, RC2, and RC3) to the leachate pond. Discharge lines will allow for circulation and evaporation of leachate by controlled distribution onto the segregated black 60 mil HDPE liner. This will allow for maximum evaporation as well as reduce the accumulation of precipitation with leachate, thereby reducing overall leachate volumes. This is intended as an enhancement and addition to the current leachate management plan allowing for application of leachate to the operating areas of the repository for dust control.

For details of the location of the leachate pond, refer to Appendix B – Leachate Pond Location Details.

The leachate pond will be covered with a LLDPE liner (details as per engineered drawings). A negative air pressure system will be installed to secure the cover, prevent odour release and separate precipitation from leachate.

If you have any questions, please feel free to contact me at 204-925-9604 or by email at daveh@millerenvironmental.mb.ca

Sincerely yours,

Miller Environmental Corporation

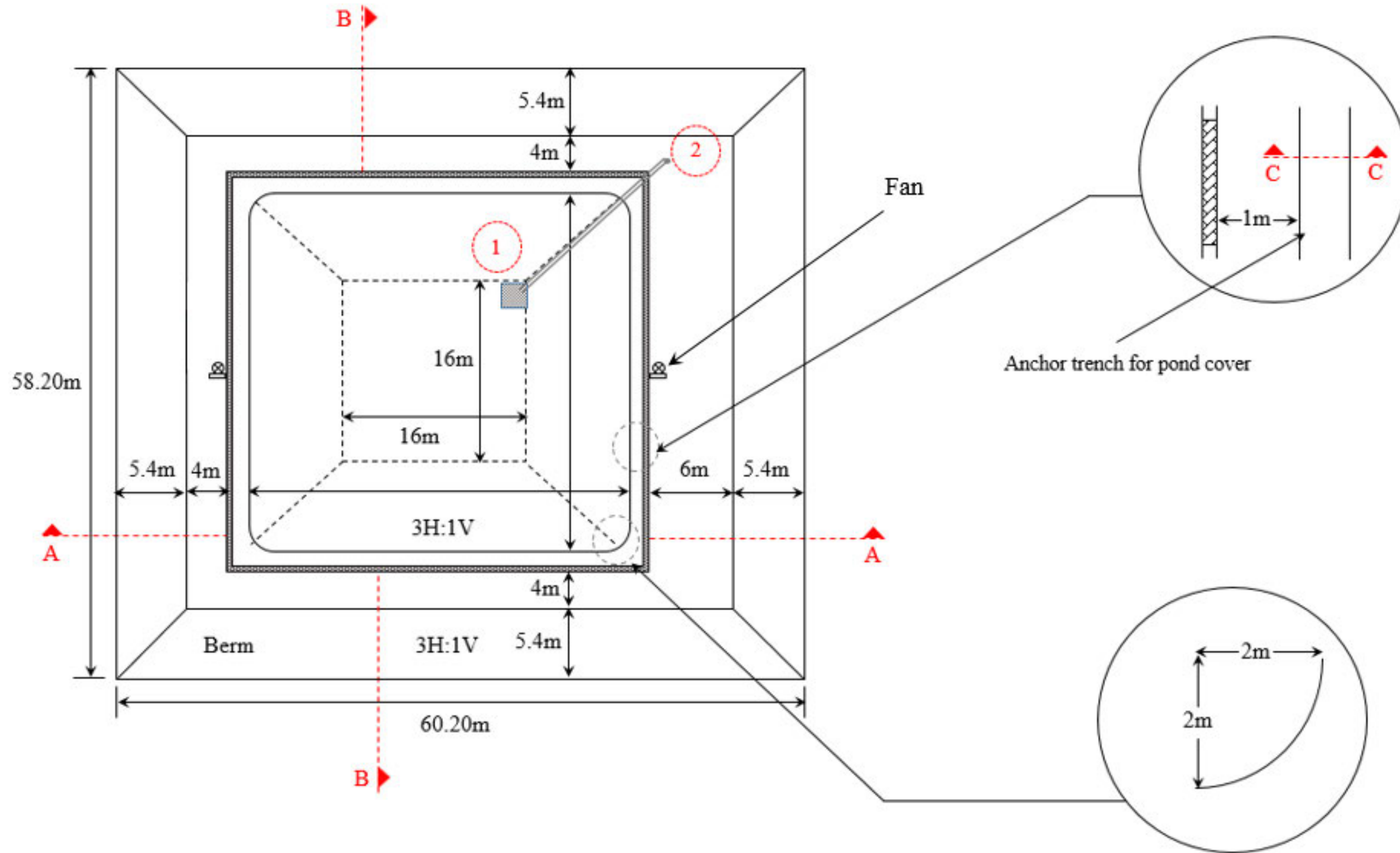


Dave Howes
Director of Regulatory Affairs

CC: Tyler Kneeshaw – Regional Supervisor, Manitoba Conservation and Climate
Paul Bauer – Vice President & General Manager, Miller Environmental Corporation
Yolo Ortiz – Operations Manager, Miller Environmental Corporation

Appendix A


Leachate Pond Stamped Construction Drawings



Date:
5/12/2021

Project Number:
21-001

Crocus Environmental Inc.



ENGINEERS
GEOSCIENTISTS
MANITOBA

Certificate of Authorization
10071127 Manitoba Ltd.
No. 7428



Client:
Miller Environmental Corporation

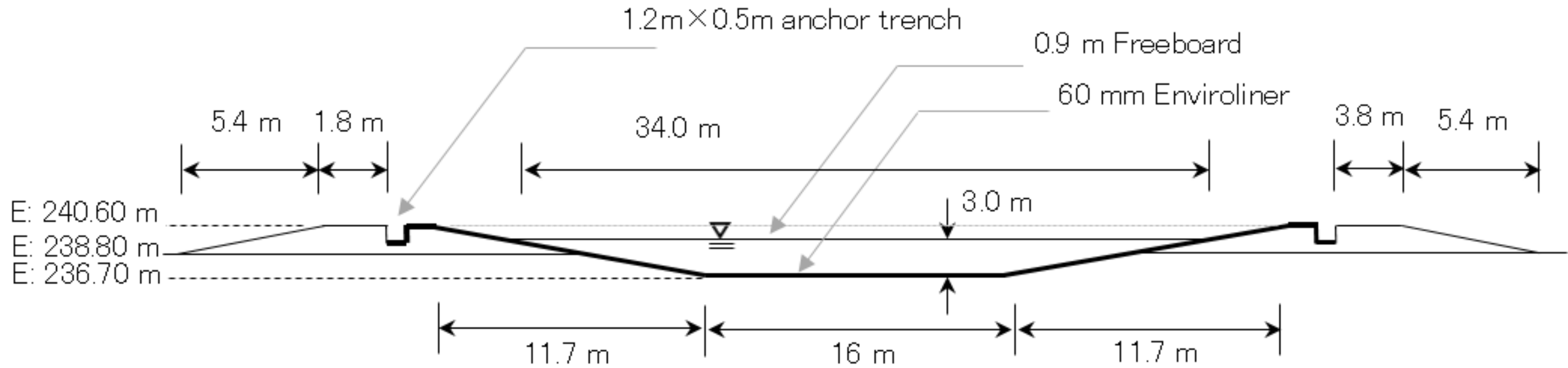
Project:
Negative Air Covered Hazardous Pond

Project Portion:
Covered Pond Top View

Scale:
NTS




Page:
1/7

A - A

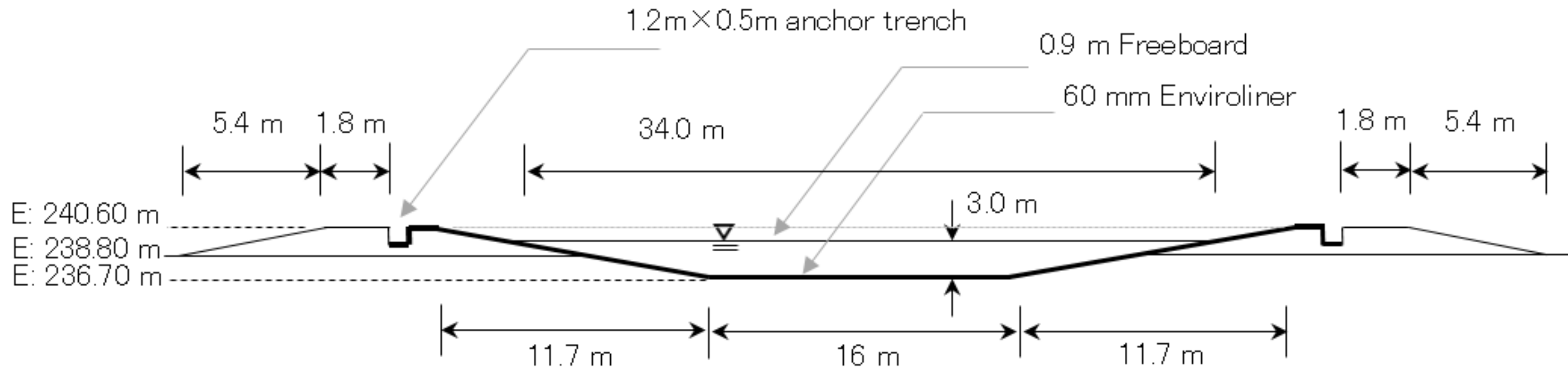


Notes:

1. Slopes are 3:1
2. Elevations are based on the information that we received for the original location. New survey data is required for new accurate elevation.

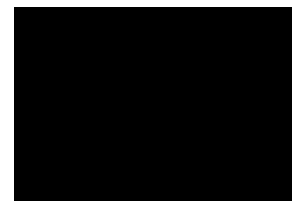


<p>Date: 5/12/2021</p> <p>Project Number: 21-001</p>	<p>Crocus Environmental Inc.</p>  <p>ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization 10071127 Manitoba Ltd. No. 7428</p>			<p>Client: Miller Environmental Corporation</p> <p>Project: Negative Air Covered Hazardous Pond</p>	<p>Project Portion: Covered Pond Side View A</p> <p>Scale: NTS</p>	<p>Page: 2/7</p>
--	---	--	---	---	--	----------------------

B – B



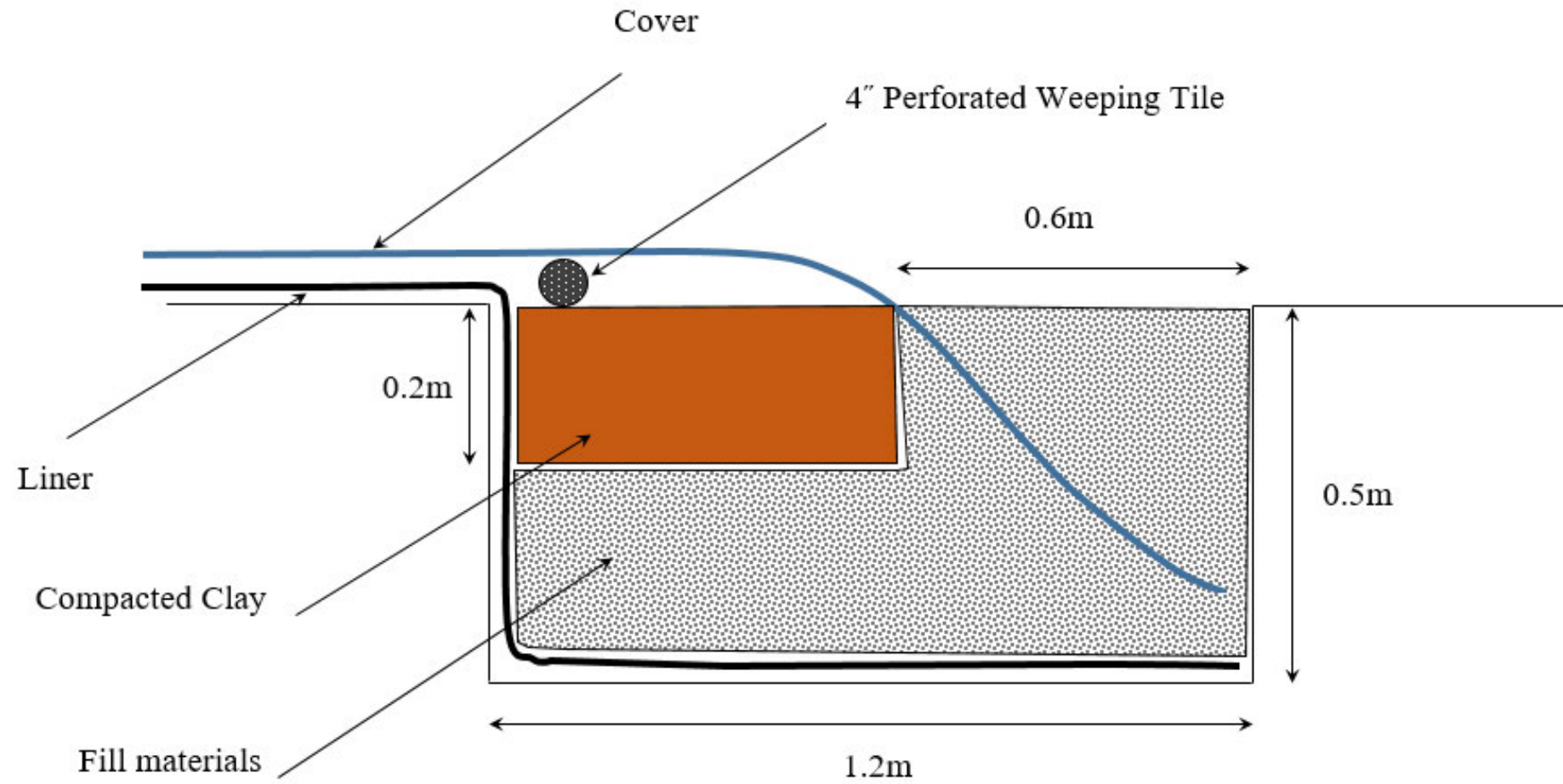
Notes:

1. Slopes are 3:1

Date: 5/12/2021	Crocus Environmental Inc.			Client: Miller Environmental Corporation	Project Portion: Covered Pond Side View B	Page: 3/7
Project Number: 21-001	 Certificate of Authorization 10071127 Manitoba Ltd. No. 7428			Project: Negative Air Covered Hazardous Pond	Scale: NTS	


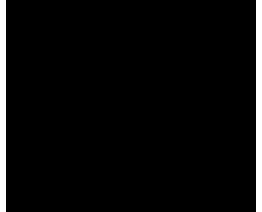

C-C (I)

Details of the anchor trench



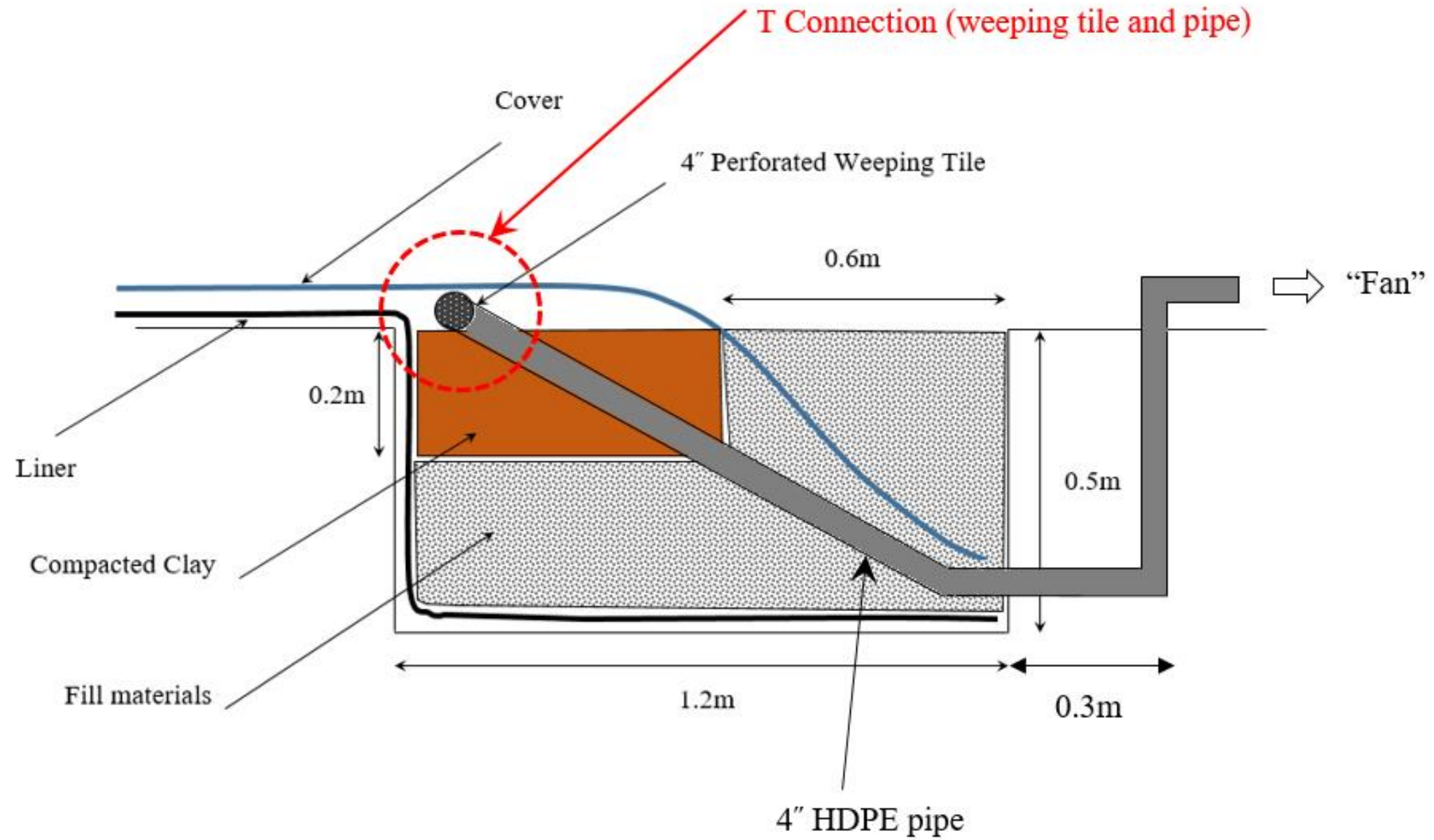
Note:



1. On one side sand bags can be used instead of fill material to allow easy opening of the pond cover.

<p>Date: 5/12/2021</p> <p>Project Number: 21-001</p>	<p>Crocus Environmental Inc.</p>  <p>ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization 10071127 Manitoba Ltd. No. 7428</p>		 <p>Miller ENVIRONMENTAL CORPORATION</p>	<p>Client: Miller Environmental Corporation</p> <p>Project: Negative Air Covered Hazardous Pond</p>	<p>Project Portion: Cover and Liner Anchor Trench Details</p> <p>Scale: NTS</p>	<p>Page: 4/7</p>
--	---	--	---	---	---	----------------------

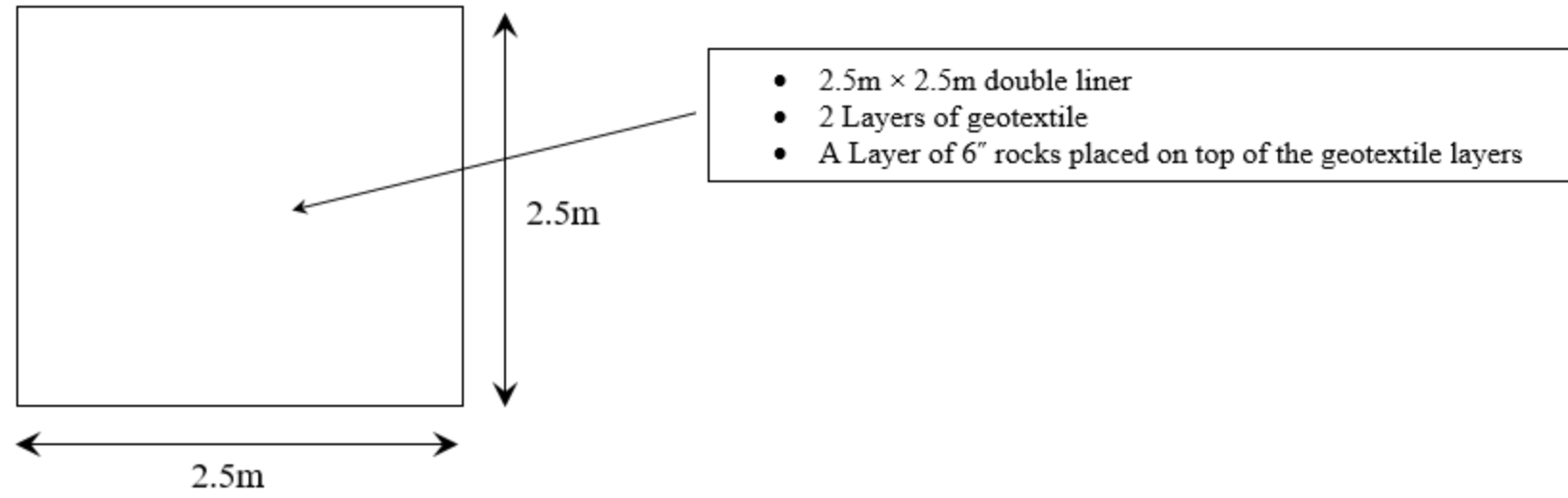
C-C (II)

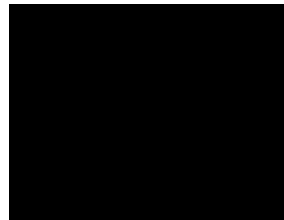


Details of the weeping tile and connection to the fans



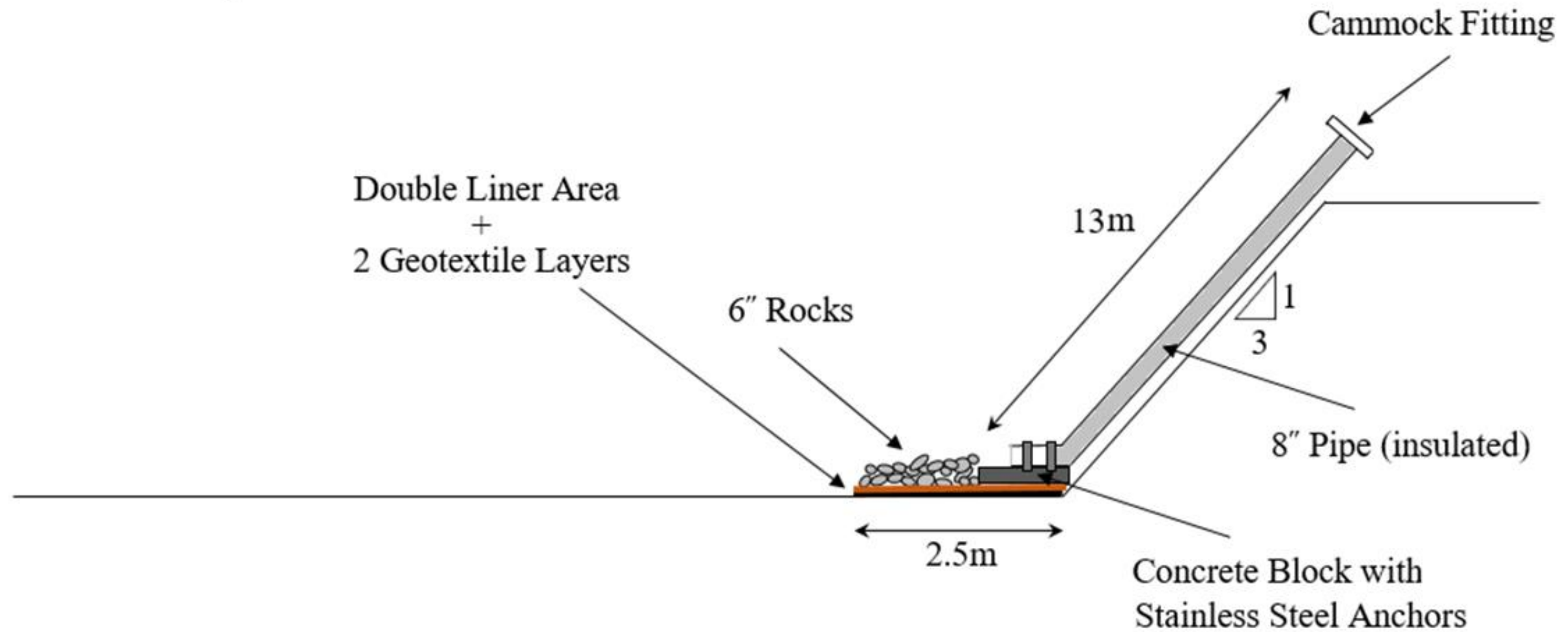
<p>Date: 5/12/2021</p> <p>Project Number: 21-001</p>	<p>Crocus Environmental Inc.</p>  <p>ENGINEERS GEOSCIENTISTS MANITOBA</p> <p>Certificate of Authorization 10071127 Manitoba Ltd. No. 7428</p>	 <p>Miller ENVIRONMENTAL CORPORATION</p>	<p>Client: Miller Environmental Corporation</p> <p>Project: Negative Air Covered Hazardous Pond</p>	<p>Project Portion: Details of Weeping Tile and Fan Connection</p> <p>Scale: NTS</p>	<p>Page: 5/7</p>
--	--	---	---	--	----------------------

1 – Pad for discharge pipe





Date: 5/12/2021	Crocus Environmental Inc.			Client: Miller Environmental Corporation	Project Portion: Double Liner Pad for the Discharge Pipe	Page: 6/7
Project Number: 21-001				Project: Negative Air Covered Hazardous Pond	Scale: NTS	

2 – Discharge and intake pipe



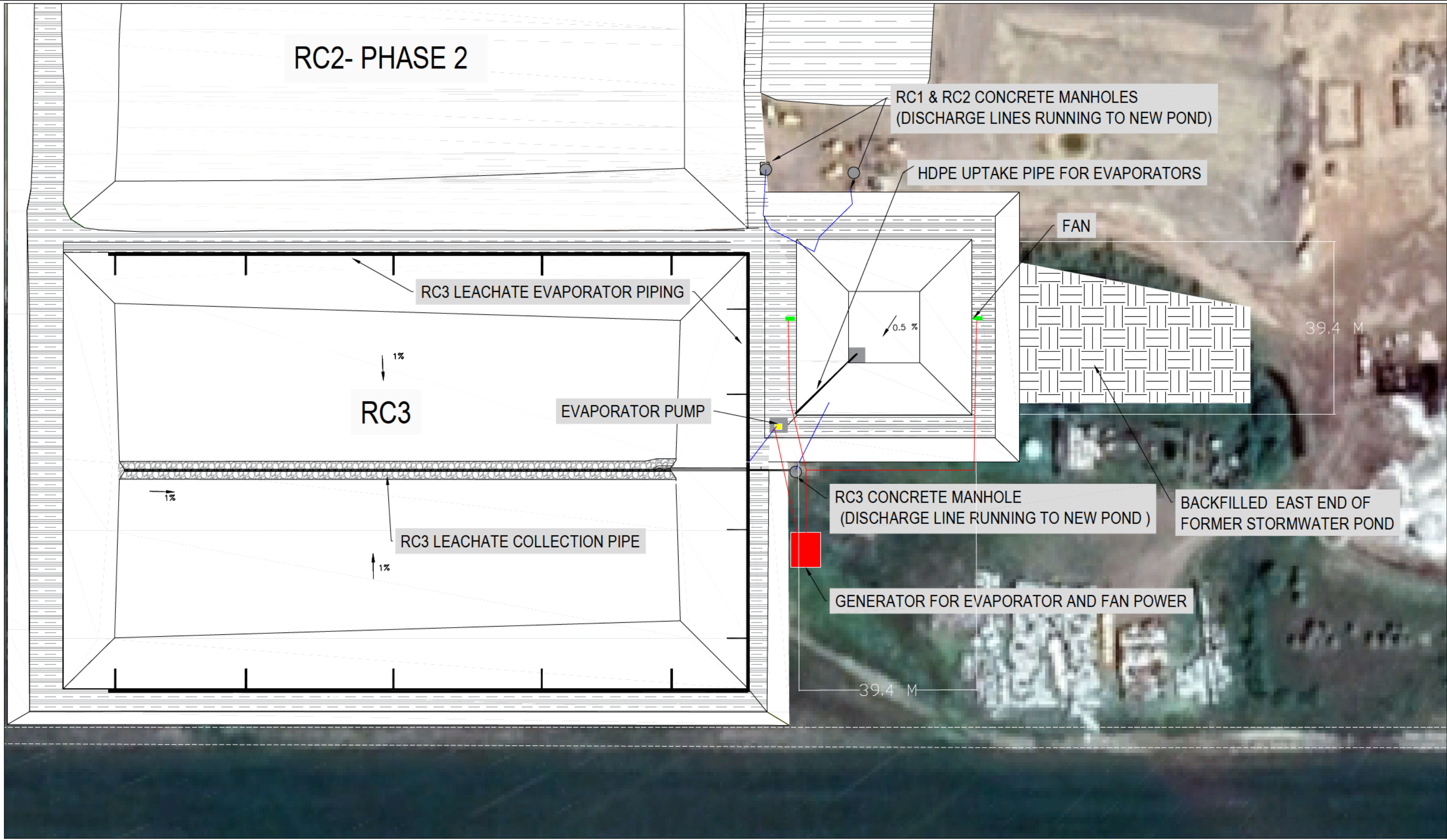
Notes:

1. The concrete anchor and blocks can be also done on the slope.

<p>Date: 5/12/2021</p> <p>Project Number: 21-001</p>	<p>Crocus Environmental Inc.</p>  <p>ENGINEERS GEOLOGISTS MANITOBA</p> <p>Certificate of Authorization 10071127 Manitoba Ltd. No. 7428</p>	 <p>ENVIRONMENTAL CORPORATION</p>	<p>Client: Miller Environmental Corporation</p> <p>Project: Negative Air Covered Hazardous Pond</p>	<p>Project Portion: Details of the Discharge Pipe</p> <p>Scale: NTS</p>	<p>Page: 7/7</p>
--	---	--	---	---	----------------------

Appendix B

Leachate Pond Location Details



1 SITE PLAN
Scale: NTS

REV. NO.	DESCRIPTION TO REVISION	REV. BY	DATE
0	ISSUED FOR CONSTRUCTION		



CUSTOMER M LLER ENV RONMENTAL CORPORATION		MEC HAZARDOUS WASTE FACILITY, ST JEAN BAPTISTE		LP 1.0
PROJECT NEGATIVE A R COVERED LEACHATE POND		PROJECT PORTION PLAN MAP V EW		
CHECKED PROPOSAL	APPROVED PROPOSAL	CLIENT APPROVED	ENGINEER APPROVED	
DRAWN BY CB	SCALE AS NOTED	REFERENCE TO	DRG No. 1 of 8	REV. 0