



**Miller Environmental Corporation**

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

*Committed to Leadership in Our Industry*

April 25, 2023

Manitoba Environment and Climate  
Environmental Compliance & Enforcement Branch  
Box 36, 14 Fultz Blvd  
Winnipeg, MB R3Y 0L6

Attn: Edwin Yazon – Environmental Engineer, Environmental Approvals Branch

Dear Mr. Yazon:

RE: File 3440.20 - MEC's Leachate Crop Irrigation Pilot Project - Request for Additional information

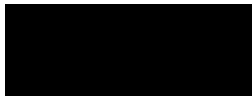
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Please accept this as Miller Environmental Corporation's provision of final requested information for the leachate crop irrigation pilot project as per your email dated April 17<sup>th</sup>.

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

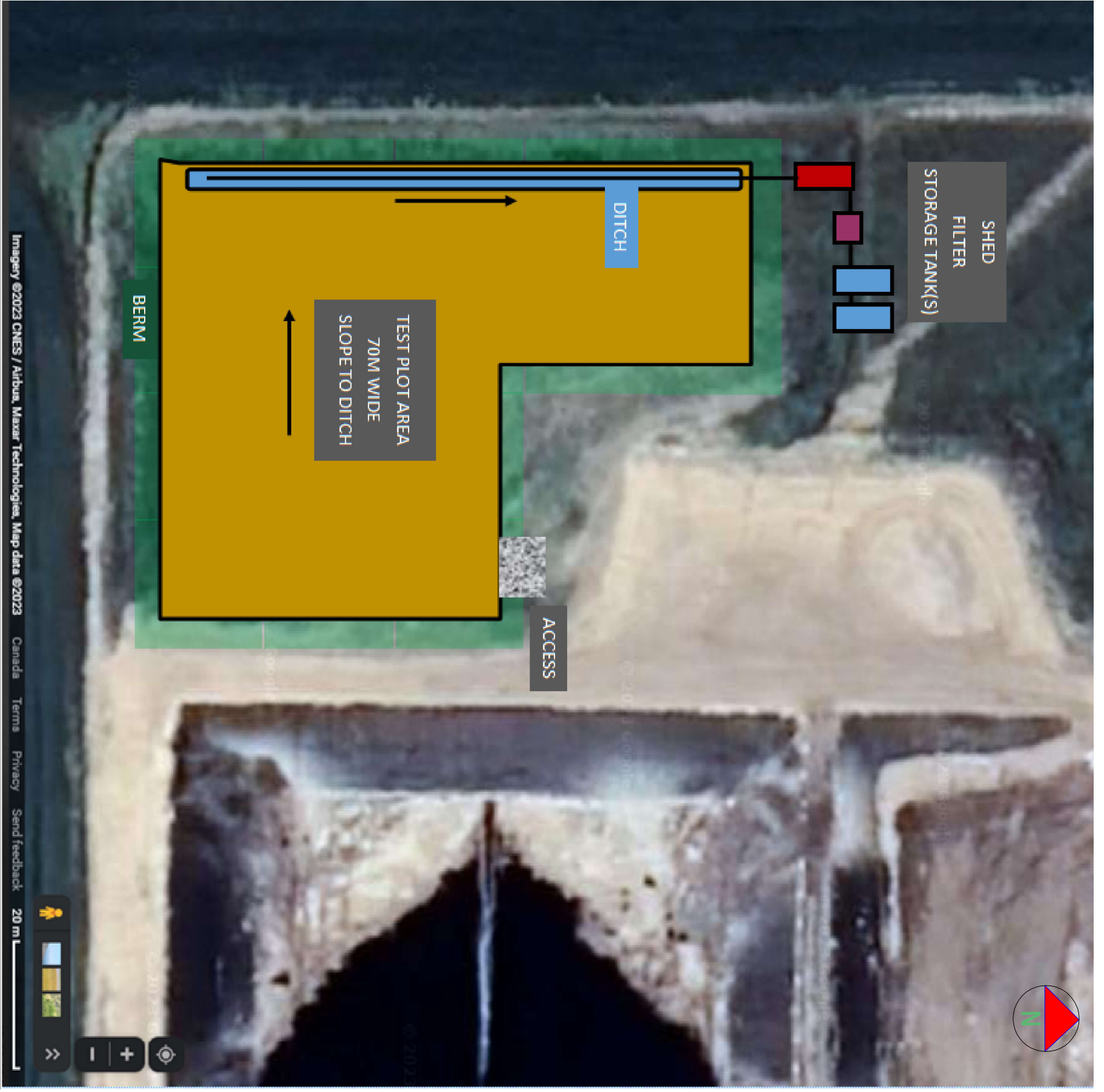
Sincerely yours,

**Miller Environmental Corporation**






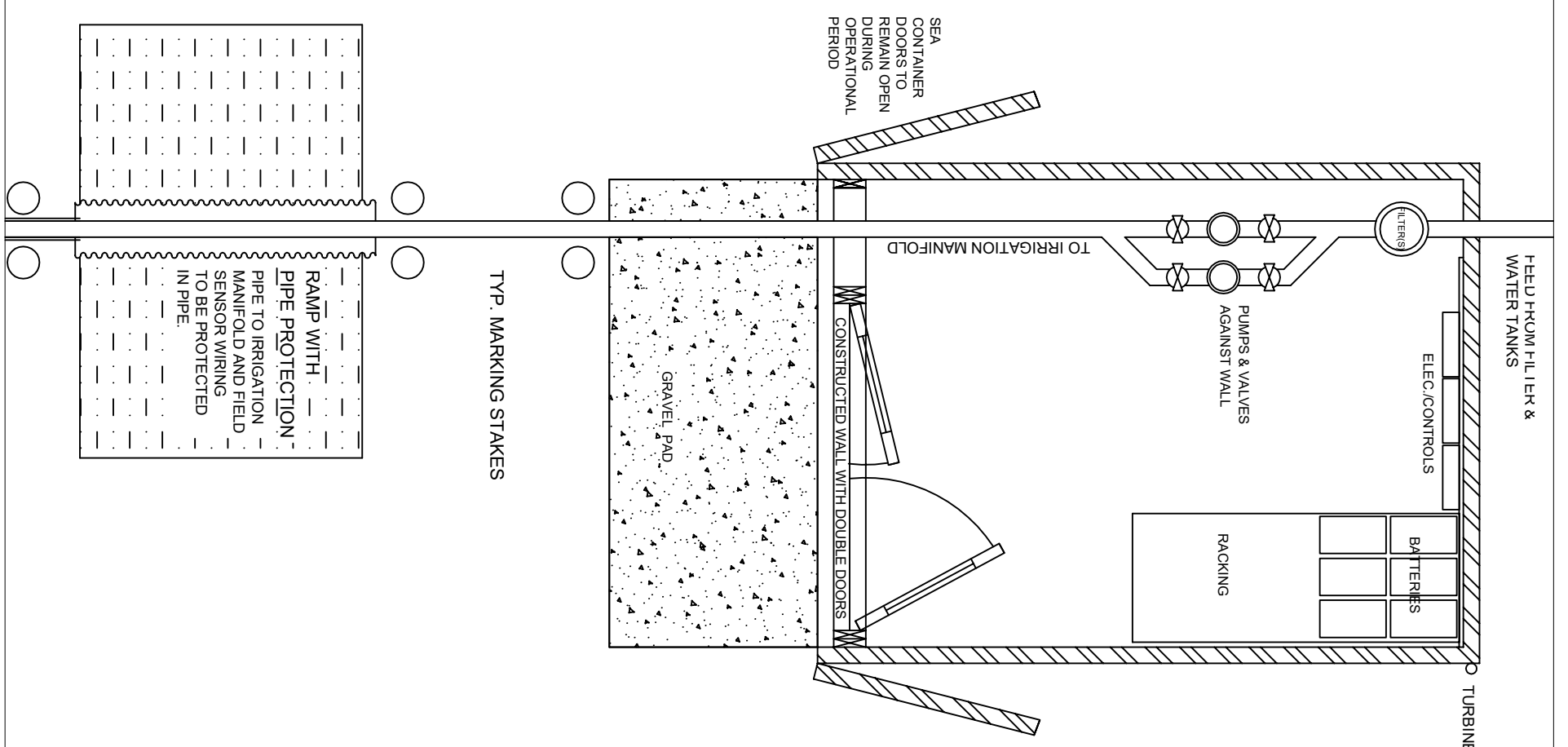
Dave Howes  
Director of Regulatory Affairs

CC: Paul Bauer – Vice President/General Manager, Miller Environmental Corporation



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<b>PROJECT TITLE</b> IRRIGATION SYSTEM <b>PROJECT LOCATION</b> ST. JEAN BAPTISTE, MB <b>PROJECT NUMBER:</b> TBD		<b>CLIENT</b>  <b>MILLER ENVIRONMENTAL</b>		<b>CROCUS Environmental</b> 504-3336 Portage Avenue Winnipeg, MB R3K 2H9		<b>SEAL</b>  ENGINEERS GEOSCIENTISTS MANITOBA Certificate of Authorization 1007122 Manitoba Ltd. No. 7428 		<b>ISSUE (AND REVISION)</b> <table border="1"> <tr> <td>1.</td> <td>21/04/2023</td> <td>ISSUED FOR CONSTRUCTION</td> <td>AV</td> </tr> <tr> <td>NO./REV.</td> <td>DATE</td> <td>DESCRIPTION</td> <td>INITIAL(S)</td> </tr> <tr> <td>-----</td> <td>-----</td> <td>-----</td> <td>-----</td> </tr> </table>		1.	21/04/2023	ISSUED FOR CONSTRUCTION	AV	NO./REV.	DATE	DESCRIPTION	INITIAL(S)	-----	-----	-----	-----
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<b>SITE PLAN</b> SP-1 <small>REV. 0 ROT</small>		<b>DESIGNED</b> VL <b>DATE</b> 20221121	<b>DRAWN</b> VL <b>SCALE</b> NTC	<b>COORDINATOR</b> DA <b>X'REF PATH(S)</b>	<b>COPYRIGHT 2023</b> <small>           COPYRIGHT RESERVED. THIS DRAWING AND THE DESIGN REPRESENTED IN IT IS AND AT ALL TIMES REMAINS THE EXCLUSIVE PROPERTY OF CROCUS ENVIRONMENTAL INC. AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION FROM CEC &amp; M. ANY REPRODUCTION MUST BE ALTERED IN ANY WAY AND SHALL BE COMPLETE INCLUDING THIS NOTICE AND ALL TITLE BLOCK INFORMATION. ALL INFORMATION SHOWN ON THIS DRAWING IS FOR USE ON THE SPECIFIED PROJECT.         </small>		<b>NOTE TO CONTRACTOR:</b> <small>           THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER IN WRITING. DO NOT RELY ON SCALED DIMENSIONS. MEASUREMENTS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTACT THE ENGINEER FOR CLARIFICATIONS IF NECESSARY. THIS DRAWING SHALL NOT BE USED FOR ANY OTHER PURPOSES UNLESS IT IS SEALED AND SIGNED BY THE ENGINEER AUTHORIZING SUCH USE.         </small>														



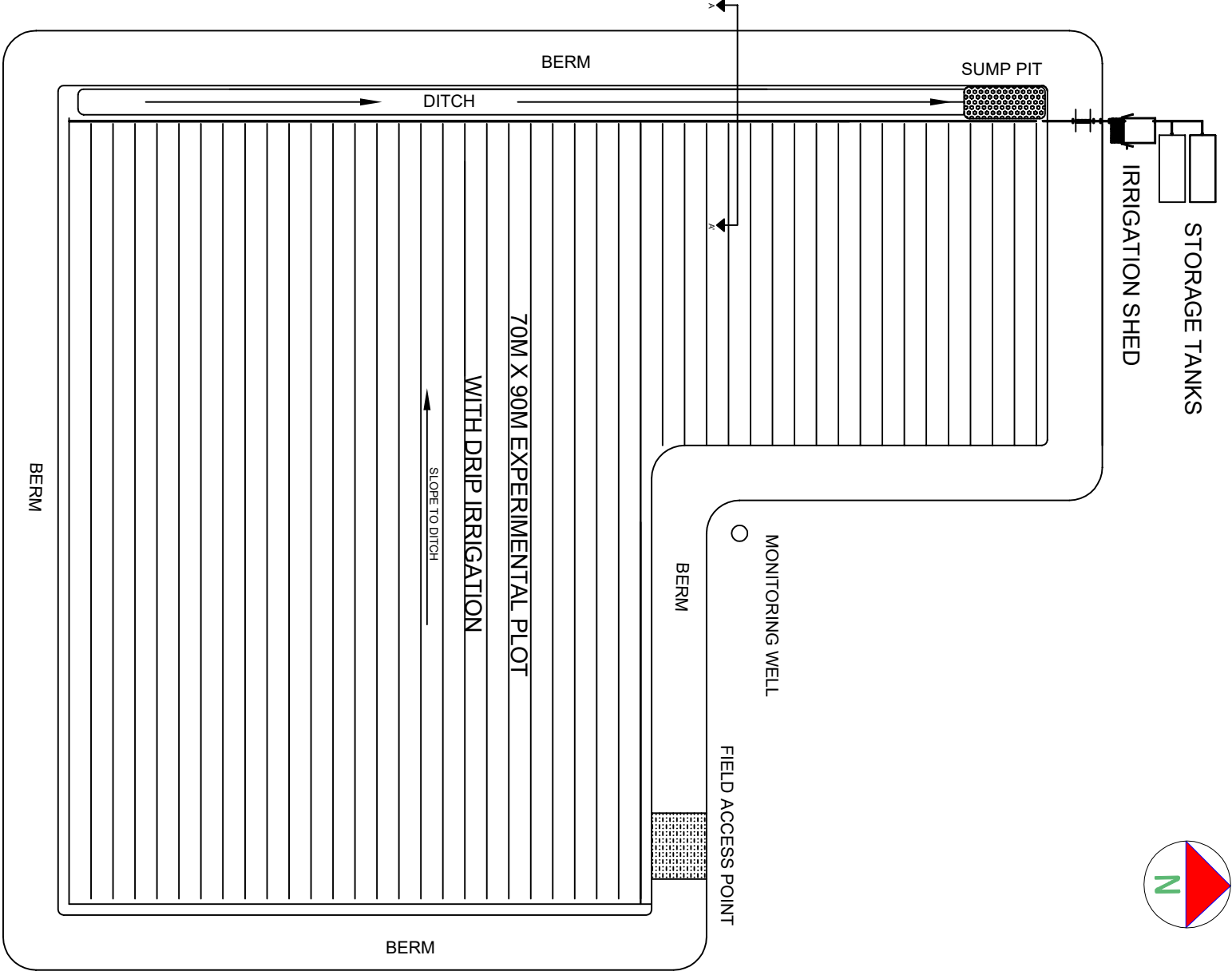
### IRRIGATION SHED

- NOTES:**
- REFER TO PROJECT NOTES AND DWG LP-02 FOR DETAILS.
  - MAIN SYSTEM COMPONENTS TO BE HOUSED INSIDE A MODIFIED SHIPPING CONTAINER SET ON COMPACTED GRAVEL BASE WITH GRAVEL PAD IN FRONT. SLOPE CONTAINER TO DOOR.
  - CONSTRUCT 150mm SEASONAL USE END WALL CLAD W/ P.T. PLYWOOD BOTH SIDES IMMEDIATELY INSIDE OF CONTAINER WITH A WIDE OR DOUBLE DOOR AND WINDOW(S).
  - PROVIDE 600 x 1525 x 1830 RACKING FOR BATTERY, MATERIALS, AND EQUIPMENT STORAGE
  - INSTALL 19mm PLYWOOD ON END WALL FOR ELECTRICAL EQUIPMENT
  - SOLAR PANELS TO BE ROOF MOUNTED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - TURBINE POLE TO BE AFFIXED TO SEA CONTAINER IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
  - INSTALL TWO 300 x 300 SCREENED LOUVERED DUCTS IN WEST AND EAST WALLS
  - CONSTRUCT PASSIVE COOLING SYSTEM FOR WORK SHED

**PIPE PROTECTION**  
 RAMP WITH PIPE TO IRRIGATION MANIFOLD AND FIELD TO BE PROTECTED IN PIPE.

TYP. MARKING STAKES

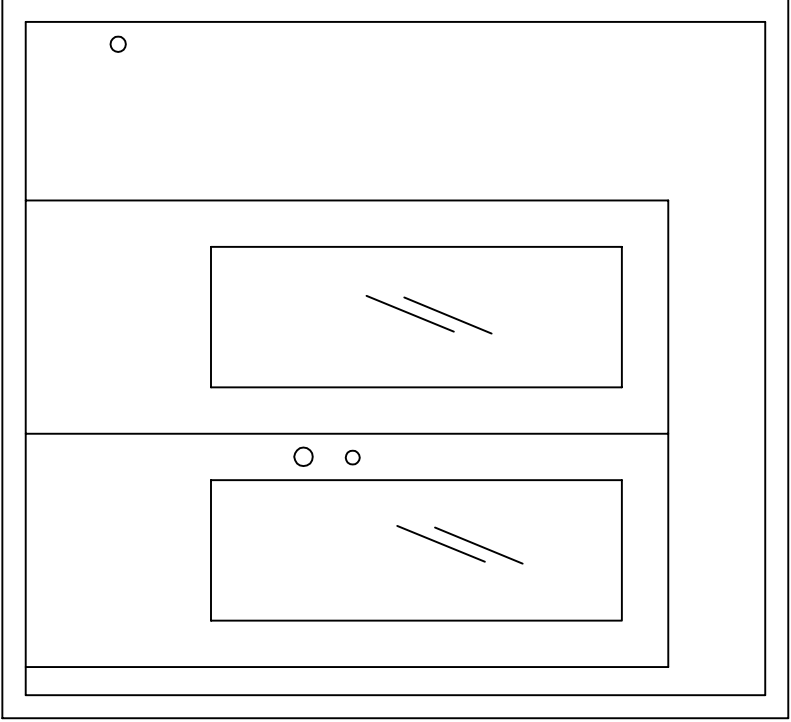
### FIELD LAYOUT PLAN



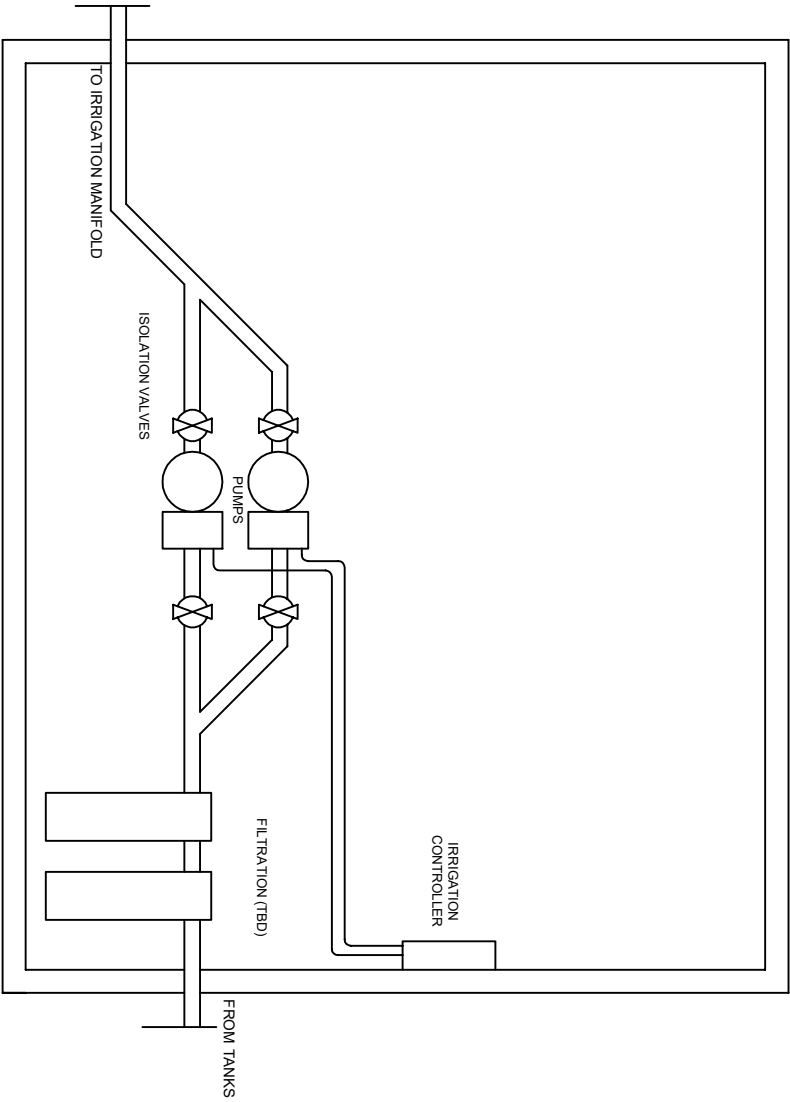
<b>PROJECT TITLE</b> IRRIGATION SYSTEM <b>PROJECT LOCATION</b> ST. JEAN BAPTISTE, MB <b>PROJECT NUMBER:</b> T80		<b>CLIENT</b> <b>MILLER ENVIRONMENTAL</b>		<b>CROCUS Environmental</b> 504-3336 Portage Avenue Winnipeg, MB R3K 2H9		<b>SEAL</b> <b>ENGINEERS GEOSCIENTISTS MANITOBA</b> Certificate of Authorization 19071127 Manitoba Ltd. No. 7428		<b>ISSUE (AND REVISION)</b>     	
<b>CONCEPT PLAN</b> LP-01 <small>REV. DATE</small>		<small>DESIGNED</small> VL	<small>DRAWN</small> VL	<small>COORDINATOR</small> DA	<small>COPYRIGHT</small> 2023 <small>THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE DESIGNER IMMEDIATELY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS AND APPROVALS.</small>		<small>DATE</small> 21/04/2023 <small>SCALE</small> NTC <small>X'REF PATH(S)</small>		<small>ISSUED FOR CONSTRUCTION</small> <small>DESCRIPTION</small> AV <small>INITIAL(S)</small>

# SEA CONTAINER SHED

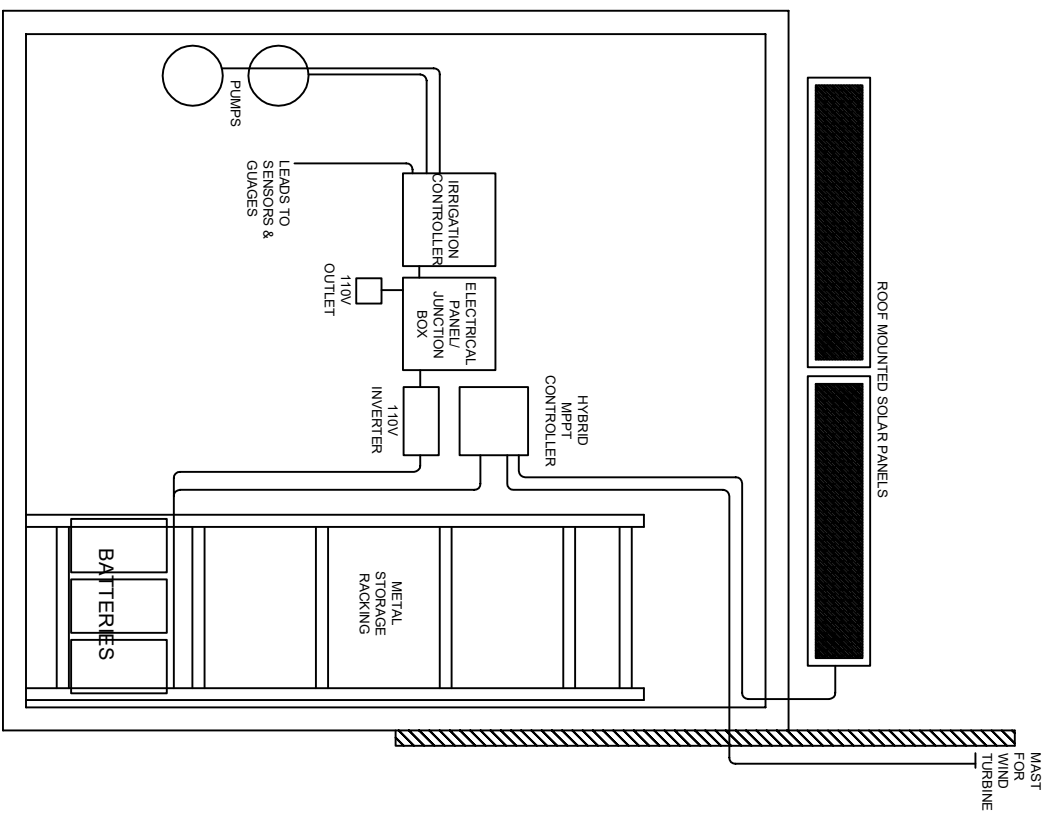
FRONT INSIDE SUMMER DOOR



WEST WALL - PUMP & FILTERS



NORTH WALL - ELECTRICAL



PROJECT TITLE	IRRIGATION SYSTEM		
PROJECT LOCATION	ST. JEAN BAPTISTE, MB		
PROJECT NUMBER:	TBD		
REV. 0	LP-02		
REV. 1	SHED DETAILS		

CLIENT	<b>MILLER ENVIRONMENTAL</b>		
DESIGNED	DRAWN	COORDINATOR	
VL	VL	DA	
DATE	SCALE	X'REF PATH(S)	
2022/12/12	NTS		

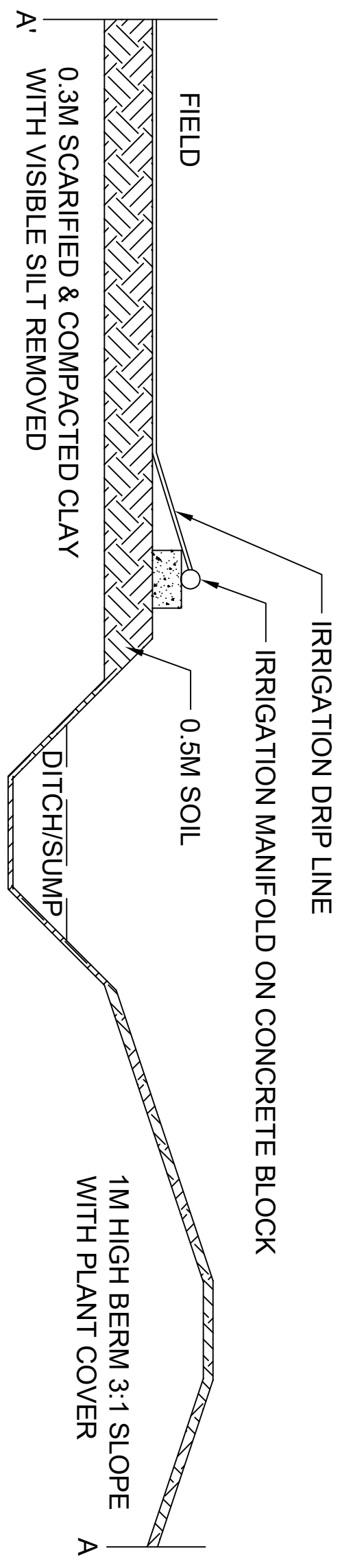
<b>CROCUS Environmental</b> 504-3336 Portage Avenue Winnipeg, MB R3K 2H9	
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SEAL

ISSUE (AND REVISION)		
1	21/04/2023	ISSUED FOR CONSTRUCTION
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**CROSS SECTION - BERM, DITCH & GROWING AREA**



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<b>BERM AND DITCH</b> LP-03 REV. / R00		DESIGNED VL	DRAWN VL	COORDINATOR DA	<b>COPYRIGHT 2023</b> <small>COPYRIGHT RESERVED. THIS DRAWING AND THE DESIGN REPRESENTED IN IT IS AND AT ALL TIMES REMAINS THE EXCLUSIVE PROPERTY OF CROCUS Environmental(C) and Water Ltd (W) AND SHALL NOT BE REPRODUCED WITHOUT PERMISSION FROM C) &amp; W). ANY REPRODUCTION MUST NOT BE ALTERED IN ANY WAY AND SHALL BE COMPLETE INCLUDING THIS NOTICE AND ALL TITLE BLOCK INFORMATION. ALL INFORMATION SHOWN ON THIS DRAWING IS FOR USE ON THE SPECIFIED PROJECT ONLY, AND SHALL NOT BE USED OTHERWISE WITHOUT THE WRITTEN PERMISSION OF C) &amp; W).</small>		<b>NOTE TO CONTRACTOR:</b> <small>THE CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO US BY WRITING. DO NOT RELY ON SCALED DIMENSIONS. WRITTEN DIMENSIONS SHALL HAVE PRECEDENCE OVER SCALED DIMENSIONS. CONTACT THE ENGINEER FOR CLARIFICATION IF NECESSARY. THIS DRAWING SHALL NOT BE USED FOR BUILDING PERMIT OR CONSTRUCTION PURPOSES UNLESS IT IS SEALED AND SIGNED BY THE ENGINEER RESPONSIBLE FOR THE WORK.</small>		AV INITIAL(S)