

March 15, 2016

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via email

Mr. Robert Boswick, P. Eng Manitoba Conservation and Water Stewardship Environmental Stewardship Division Environmental Approvals Branch 123 Main Street, Suite 160 Winnipeg, Manitoba R3C 1A5

L-169.75

Dear Mr. Boswick,

## RE: Rural Municipality of La Broquerie - Wastewater Treatment Lagoon Expansion - Environment Act Proposal

Please find attached revised plans L1, L2, L3, L4 and L5 which addresses your request for additional information as indicated in your January 27, 2016 letter. Text from your January 27, 2016 letter is in *italics*.

- 1. "All property lines adjacent to or associated with the site of the expanded lagoon, including easements and immediately adjacent properties;" Property lines are shown and labeled on plan L1.
- 2. "Specific locations or proposed area and site drainage and discharge ditches;" Ditches are shown on Plan L3.
- 3. "Specific Locations of proposed discharge pipe outlets;" Discharge locations are shown on Plan L3.
- 4. "Specific locations of existing and proposed fences and gates;" Fence and gate locations are shown on Plan L3
- 5. "Elevations of key points along the lagoon drainage routes to the Seine River;" Elevations are indicated where new ditching meets existing drainage ditching on Plan L3. Existing drainage ditches to the Seine River will be utilized and re-graded if required to ensure positive drainage.
- 6. "Locations and configurations of all soil stockpiles and other materials associated with previous lagoon construction activities, including all soil and other materials that may have been placed at the site and on adjoining properties;" Locations of soil stockpiles are indicated on Plan L1
- 7. "Topographies of lands owned by the Rural Municipality of La Broquerie and immediately adjacent lands that are privately owned and located between the existing lagoon and the Seine River." Elevation contours are shown on Plan L1.

Plans L2, L4 and L5 have been modified as required to keep the proposed lagoon expansion inside of RM of La Broquerie property. The aeration cell operating depth has been revised from 3.5 m to 4.0 m.

In the event that flooding is occurring in the discharge route, the Municipality will be unable to discharge. Under those conditions the Municipality will continue to fill the storage cells until flood conditions on the Seine River cease.

If there are any questions, please contact the undersigned.

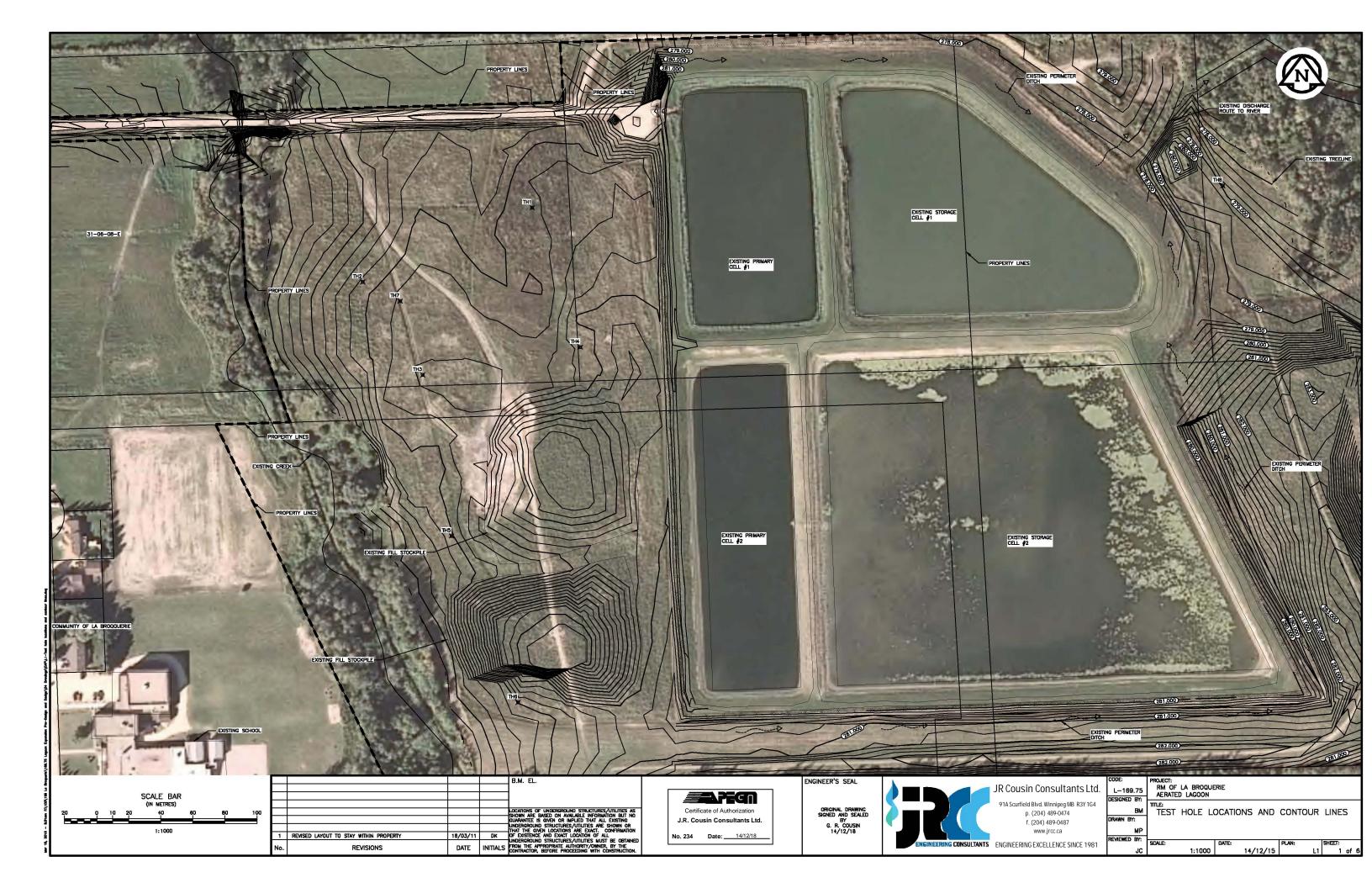
Yours truly,

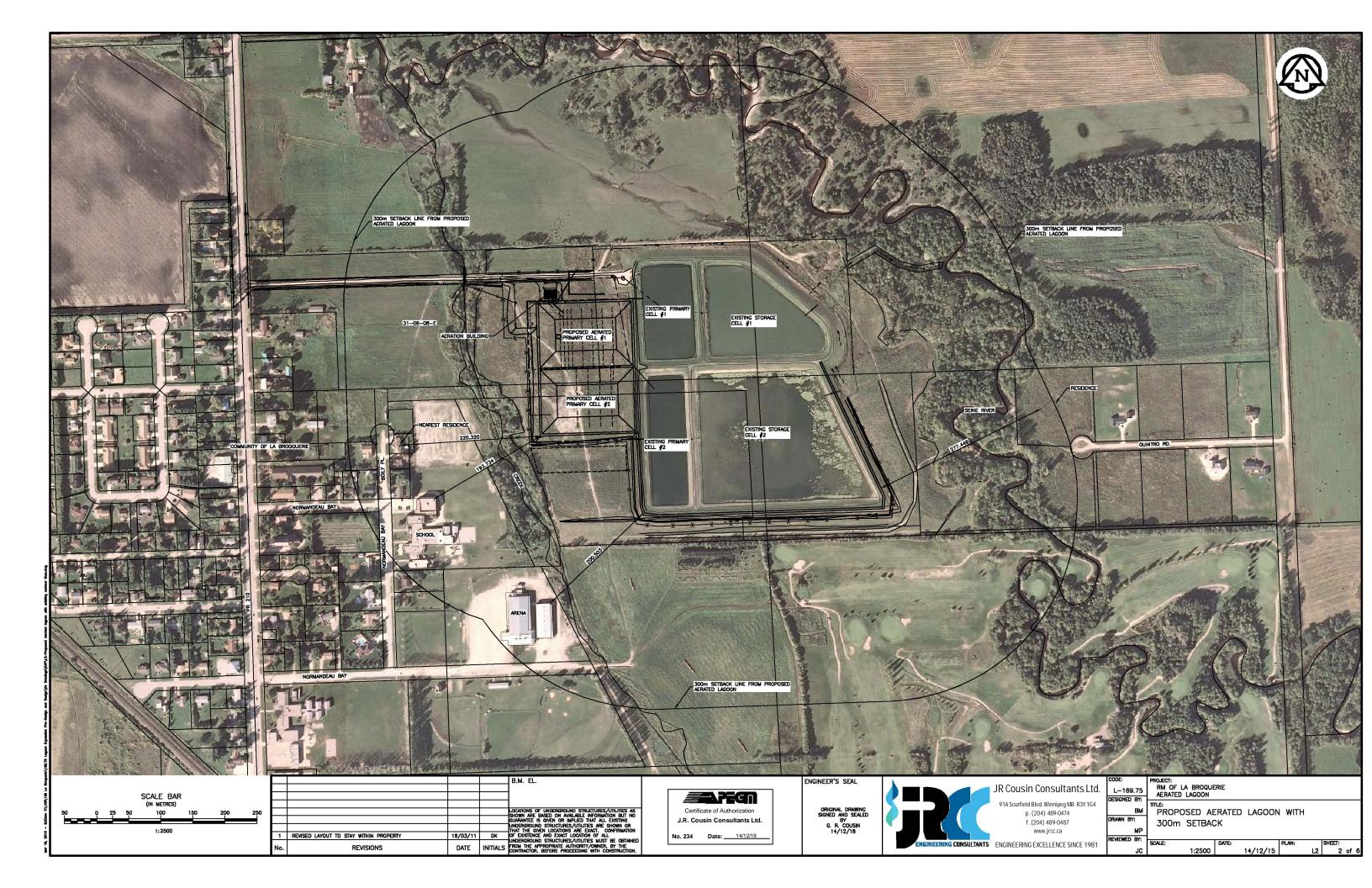
JR Cousin Consultants Ltd.

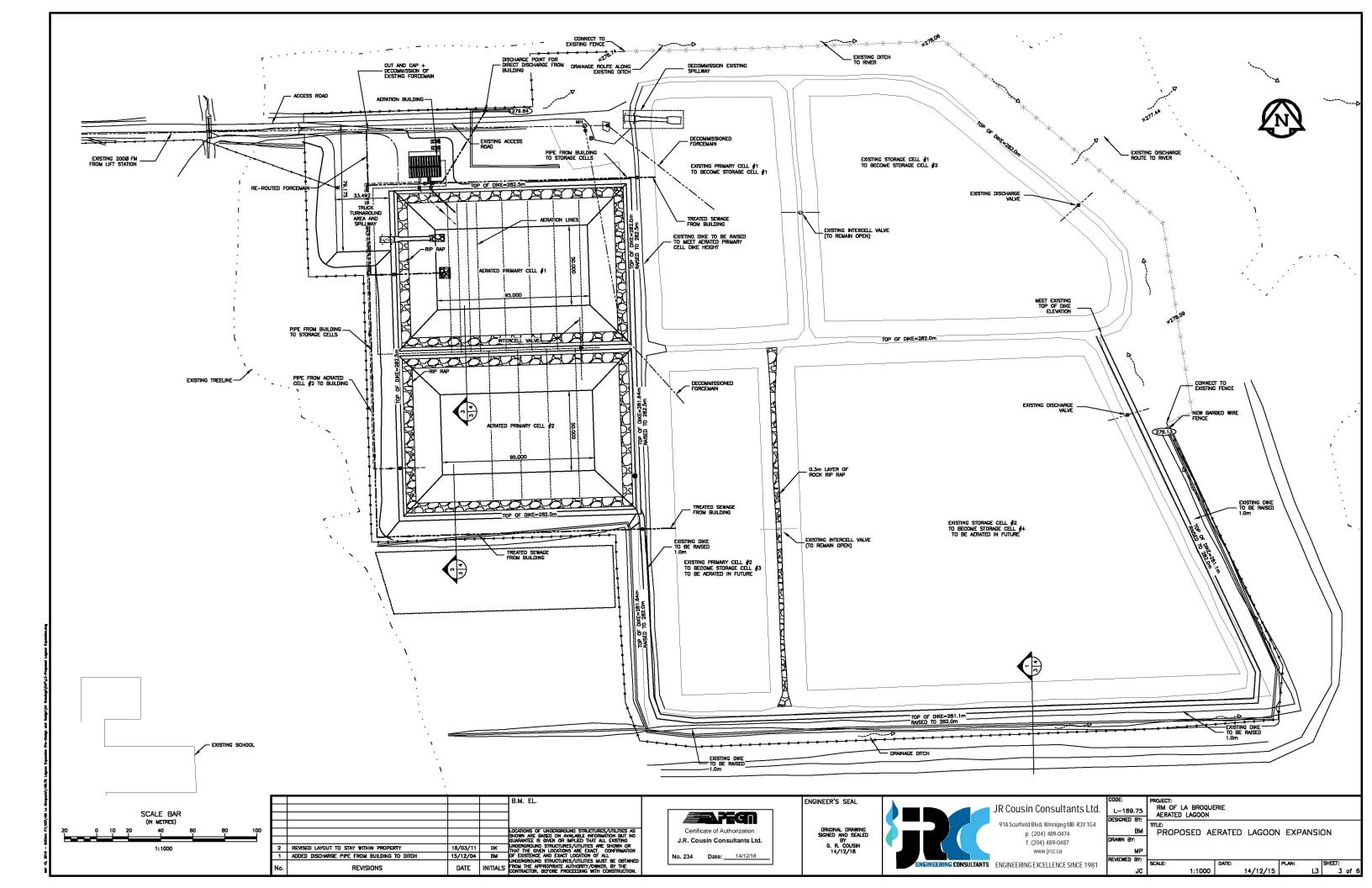
Jason Cousin, P.Eng. Municipal Engineer

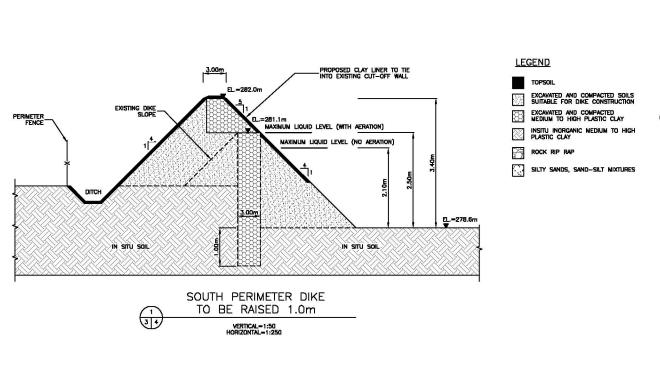
cc Ginette Tétrault, Interim CAO – RM of La Broquerie

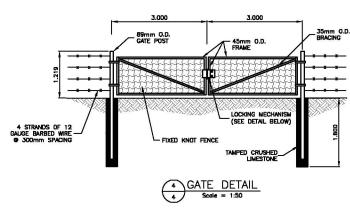
enc. Revised Plans L1, L2, L3, L4 and L5

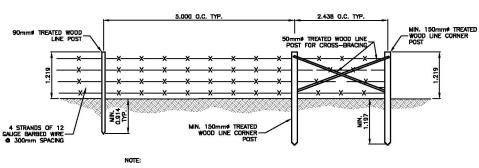








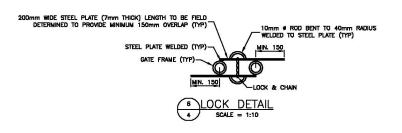


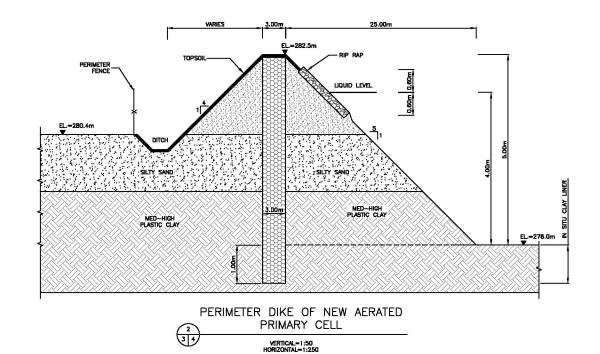


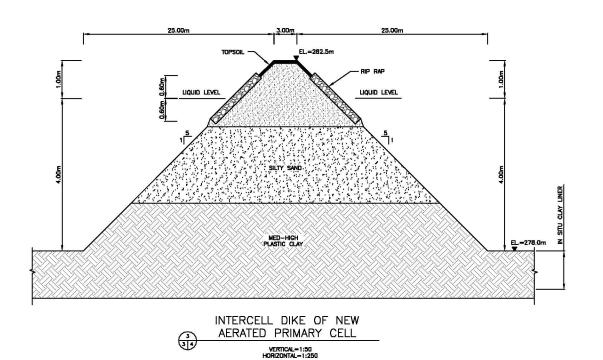
PROVIDE CROSS BRACING AT CORNERS POSTS IN BOTH DIRECTIONS.
 SHOWN DIAMETER REFERS TO SMALLEST END OF POST.

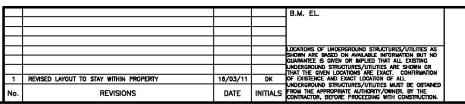
FENCE DETAIL

SCALE = 1:50









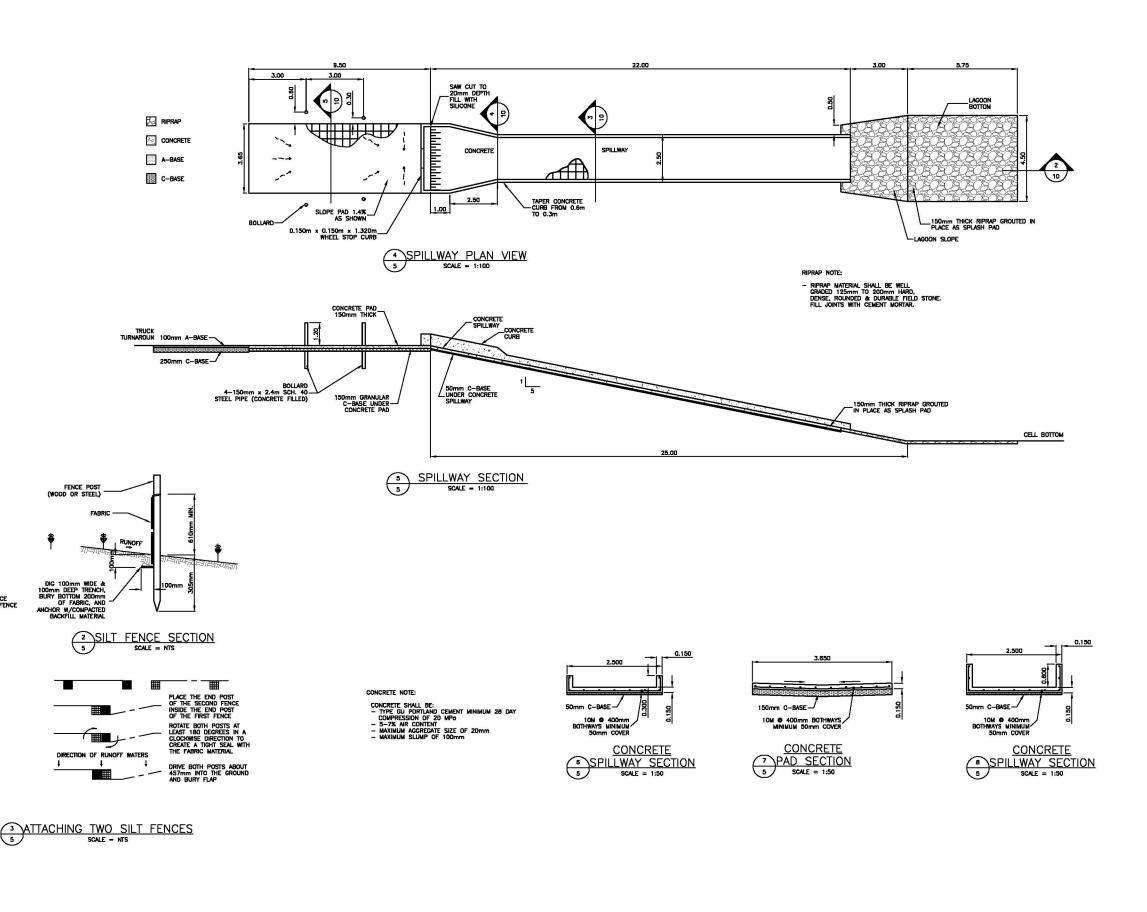
Certificate of Authorization J.R. Cousin Consultants Ltd. No. 234 Date: \_\_\_\_14/12/18

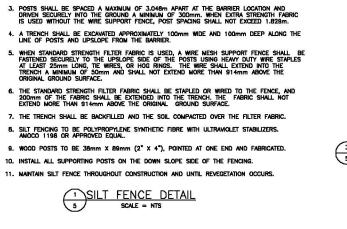
engineer's seal

JR Cousin Consultants Ltd. 91A Scurfield Blvd. Winnipeg MB R3Y 1G4 p. (204) 489-0474 f. (204) 489-0487 www.jrcc.ca EERING CONSULTANTS ENGINEERING EXCELLENCE SINCE 1981

L-169.75

RM OF LA BROQUERIE AERATED LAGOON DIKE CROSS SECTION AND FENCE DETAILS AS NOTED 14/12/15





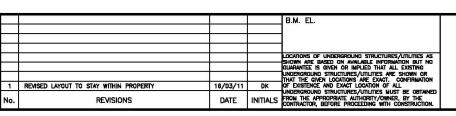
3.048m MAX. SPACING WITH WIRE SUPPORT FENCE 1.829m MAX. SPACING WITHOUT WIRE SUPPORT FENCE

FOR ADDITIONAL STRENGTH FILTER FABRIC MATERIAL CAN BE ATTACHED TO A 150mm (MAX.) MAX.) ATTACHED TO THE POSTS BEEN FASTIENED TO THE POSTS

1. THE HEIGHT OF A SILT FENCE SHALL NOT EXCEED 914mm.

THE FILTER FABRIC SHALL BE PURCHASED IN A CONTINUOUS ROLL CUT TO THE LENGTH OF THE BARRIER TO AVOID THE USE OF JOINTS.

NOTES:







JR Cousin Consultants Ltd.

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ENGINEERING EXCELLENCE SINCE 1981

CODE:	PROJECT:					
L-167.75 DESIGNED BY:	RM OF LA BROQUERIE AERATED LAGOON					
	TITLE:					
ВМ	SILT	FENCE	AND	CONCRETE	SPILLWAY	DETAILS
DRAWN BY:	1					
МР						
REVIEWED BY:	SCALE:		DATE		PLAN:	SHEET:
JC	3.A.E.	AS NOTED		14/12/15	L5	5 of 6