

Notice of Alteration Form



File No. :	Environment Act Licence No. :		
Legal name of the Licensee:			
Name of the development:			
Category and Type of development per Classes of Development Regulation:			
Licensee Contact Person:			
Mailing address of the Licensee:			
City:	Province:	Postal Code:	
Phone Number:	Fax:	Email:	
Name of proponent contact person for purposes of the environmental assessment (e.g. consultant):			
Phone:		Mailing address:	
Fax:			
Email address:			
Short Description of Alteration (<i>max 90 characters</i>):			
Alteration fee attached: Yes: No:			
If No, please explain:			
Date:	Signature:  Printed name:		
A complete Notice of Alteration (NoA) consists of the following components: Cover letter Notice of Alteration Form 1 electronic copy of the NoA detailed report (see " Information Bulletin - Alteration to Developments with Environment Act Licences ") \$500 Application fee, if applicable (Cheque, payable to the Minister of Finance)		Submit the complete NoA to: Director, Environmental Approvals Branch Environment and Climate Change Box 35, 14 Fultz Blvd Winnipeg MB R3Y 0L6 EABDirector@gov.mb.ca For more information: Toll-Free: 1-800-282-8069 Phone: 204-945-8321 Fax: 204-945-5229 https://www.gov.mb.ca/sd/permits_licenses_approvals/eal/licence/index.html	
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")			



**Associated
Engineering**

*GLOBAL PERSPECTIVE.
LOCAL FOCUS.*

Associated Engineering (Sask.) Ltd.
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Winnipeg, MB R3L 2T4 Canada
www.ae.ca

March 23, 2026

TEL: 204.942.6391

Reference/Project No.: 2025-4392-00

Agnes Wittmann
Director
Environmental Approvals Branch
Box 35, 14 Fultz Boulevard
Winnipeg MB R3Y 0L6

**Re: BRERETON LAKE WASTEWATER TREATMENT LAGOON - MINOR ALTERATION REQUEST
ENVIRONMENT ACT LICENSE NO. 1399**

Dear Agnes:

Associated Engineering (Sask.) Ltd. (Associated) is submitting this Minor Alteration Request for Brereton Lake Wastewater Treatment Lagoon, on behalf of Whiteshell Provincial Park – North, Environment and Climate Change.

The Brereton Lake Wastewater Treatment Lagoon currently operates under Environment Act License Number 1399. There are two cells on site (primary, secondary), servicing the Brereton Lake area. Septic haulers dump waste in the primary cell (south cell). Effluent is released from the secondary cell (north cell).

This minor alteration request is for repairs to localized berm erosion, on the east side of the primary cell where the septic haulers dump their loads. The erosion was caused because when septic haulers were dumping into the cell, they were missing the chute, eroding a hole in the berm. The eroded area has been temporarily patched with rock. Associated is proposing to remove and dispose of the temporary rock and replace it with suitable clay. This repair will ensure that the entire lagoon liner is a continuous impermeable layer. Attached to the end of this letter is a drawing detailing these plans.

Berm Erosion Repair

This repair will take place during the late Spring following the discharge period. It is anticipated that water levels in the lagoon will be low enough during this time that there will be no interference with the repair. It is expected that this repair will be completed efficiently, with little to no impact on the serviced residents.

The temporary rock that was used to patch the eroded area will be removed. All excavated material from the inside of the berms will be disposed of in accordance with Provincial Regulations for materials that have come in contact with wastewater. Along with removing all of the temporary rock, a small amount of clay surrounding the rock may be removed, to ensure that no rock is preset in the new patch area, and the new clay can knit properly with the existing clay. It is expected that the patch area will be



Platinum
member



1-meter deep into the berm, 6-meters wide and 6-meters long. Approximately, 30 cubic meters of clay will be required to repair the patch area.

To ensure the berm remains impermeable following the repair and to prevent pathways for wastewater at the limits of the repair, the existing clay will be scarified prior to placement of the clay patch. Scarification of the existing clay will help ensure that the new and old liner knit as one.

For this repair, following a geotechnical investigation, a clay source will be identified. The clay identified will align with the license requirements and engineering practices for lagoon berm construction. The clay will have a hydraulic conductivity of 1×10^{-7} centimeters per second or less. Minimum clay thickness, 1-meter, will be restored following the repair. Clay will be packed in the repair area.

Environmental Effects and Mitigation

Since this erosion repair is minor, there are minimal environmental effects. Ultimately, the repair will ensure that the barrier between the lagoon and environment is impermeable, replacing the temporary patch. Below is a summary table of environmental effects and mitigation measures for the repair. No considerations for operational environmental effects and mitigation have been taken, since there are no operational changes taking place.

Table 1-1 Environmental Effects and Mitigation

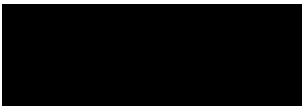
Environmental Attribute	Environmental Effects	Environmental Mitigation Efforts
Air Quality	Short term impacts to air quality due to a small increase in activity at the lagoon site for repair and hauling are expected. Since it is expected that the repair will take days and will only require 1-2 tandems of new clay and 1 tandem of waste rock, these effects are minimal.	During the repair, idling on site can be reduced and generally best construction practices taken.
Human Health (Noise, vibration, odour, ect.)	No adverse effects to human health are anticipated resulting from this repair. There will be a few days of increased traffic however, since the closest residence is 4-kilometers away, minimal impacts are expected.	No mitigation efforts for this environmental attribute.
Terrestrial Impacts	Some ground disturbance around the lagoon, in grassed areas is expected. Therefore, some terrestrial impacts are expected, however these impacts will be temporary.	Any areas that are disturbed will be re-vegetated appropriately following the repair.



Environmental Attribute	Environmental Effects	Environmental Mitigation Efforts
Aquatic Impacts	No work will be taking place near water therefore no aquatic impacts are anticipated.	No mitigation efforts for this environmental attribute.
Climate and Greenhouse Gases	A short-term increase in vehicle traffic and repair efforts will result in increased emissions, however since this is for a short period of time, it is expected that there will be no adverse effects to climate and greenhouse gases.	No mitigation efforts for this environmental attribute.

Please let the Notice of Alteration serve as a request for the berm repair, to ensure that the impermeable layer between the contents of the lagoon and environment is maintained. Should you have any further questions, please do not hesitate to reach out.

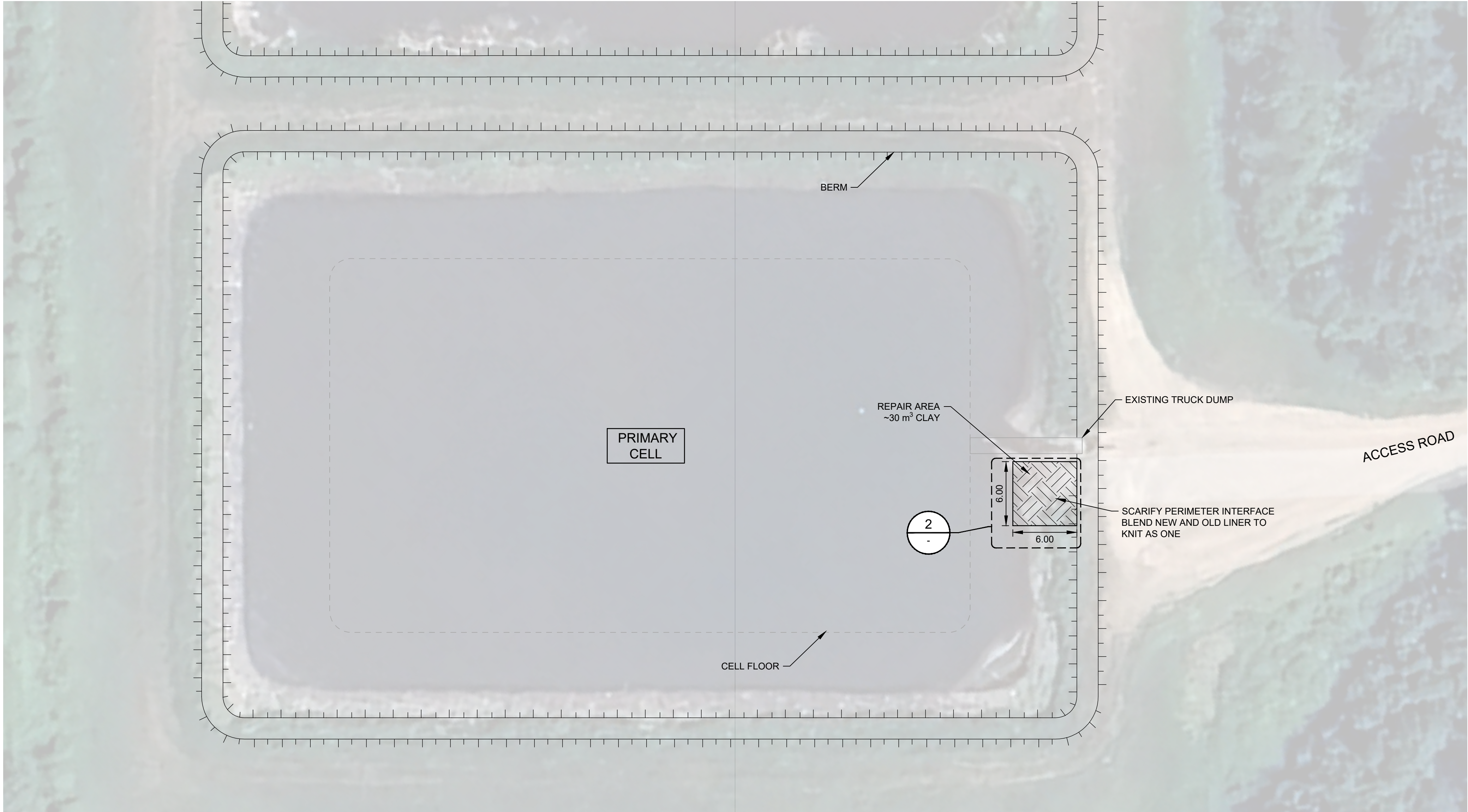
Yours truly,



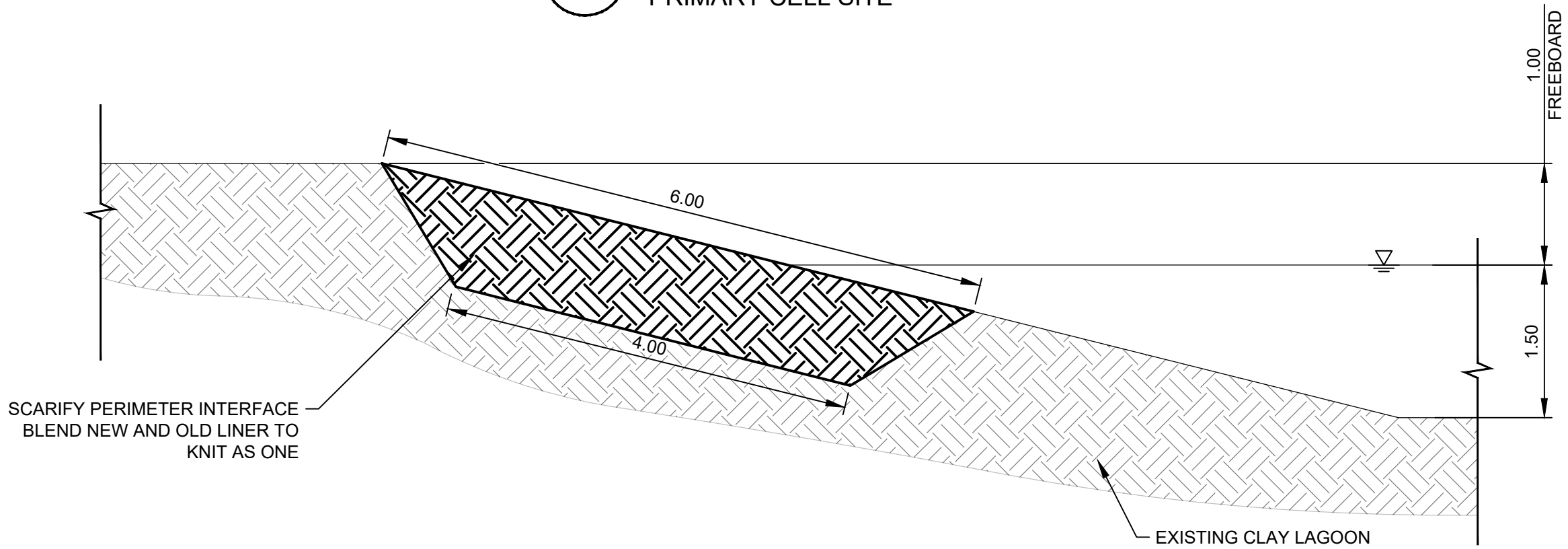
Ken Anderson, P.Eng.
Manager, Water

Enclosure: Figure 1-1 Brereton Wastewater Treatment Lagoon Notice of Alteration Erosion Repair

PLOT DATE: 2026-01-30 3:09:23 PM
SAVE DATE: 2026-01-30 3:09:06 PM
DWG PATH: c:\user\grahamer\desktop\brereton-lake-lagoon-repair-plan-view 20260130.dwg
IF NOT 25 mm ADJUST SCALES
25 mm
SCALE(S) SHOWN ARE INTENDED FOR TABLOID (11X17) SIZE DRAWINGS UNLESS NOTED OTHERWISE



1 PLAN
PRIMARY CELL SITE
1:250



2 DETAIL
REPAIR AREA
1:50

DRAFT



FIGURE 1-1
WHITESHELL PROVINCIAL PARK - NORTH
MANITOBA ENVIRONMENT AND CLIMATE CHANGE
BRERETON WASTEWATER TREATMENT LAGOON
NOTICE OF ALTERATION
EROSION REPAIR

AE PROJECT No.	2025-4392-00
SCALE	NTS
APPROVED	K.ANDERSON
DATE	2026JAN22
REV	A
DESCRIPTION	ENVIRONMENTAL APPROVALS