



# WATER MANAGEMENT PLAN FOR THE ALDERCROFT ABATTOIR

**Submitted By:**

Darren Dinsmore of Dinsmore Family Farm in Happy Valley Goose Bay,  
Labrador

Dinsmore Family Farm  
O/A  
Aldercroft Farm

**Location:**  
1 Grand Lake Road, Happy Valley-Goose Bay, NL.

**Chief Executive officer:**  
Darren Dinsmore

**Title:**  
Owner/ Operator

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**Principle Contact for the purpose of the water management plan:**  
Darren Dinsmore.

May 31, 2022

To whom this may concern,

Please accept this Water Management Plan that has been prepared for the Dinsmore Family Farm, located at 1 Grand Lake rd, Happy Valley Goose Bay, NL.

I am aware of the risk involved in such an undertaking and can ensure that all excess water will be managed properly so all the environment and human potential impacts are respected within the governmental guidelines.

A water management plan has been developed to address water runoff in the event of a 100 year 24hr rainfall event.

The Aldercroft Abattoir will establish drainage contours to the land surrounding the abattoir connecting to the existing drainage ditch on the roadside. This is a preventative measure to discharge any on-site water that may occur to their natural water course without causing any environmental impact.

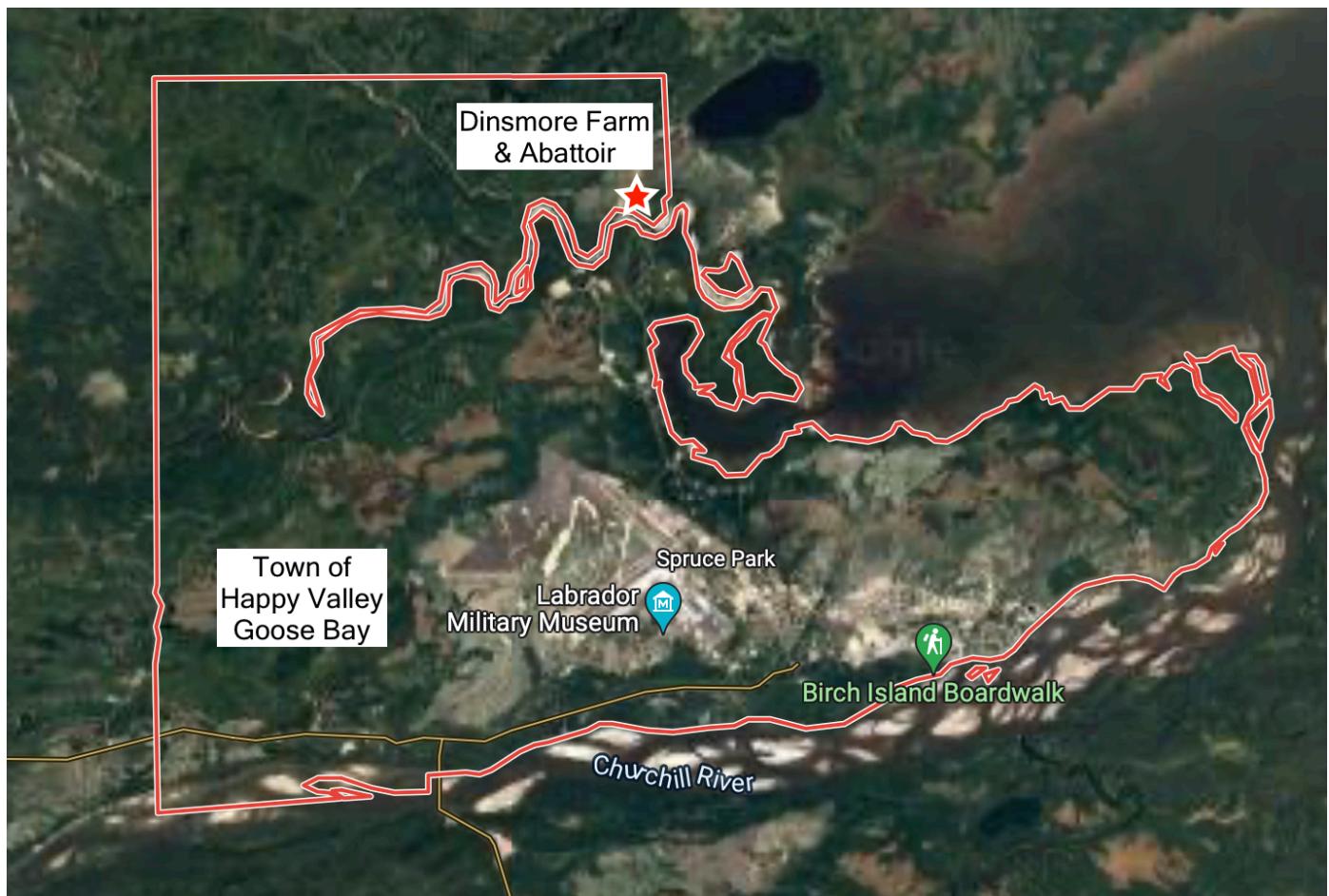
There are no streams or water bodies within 100 meters of the building lot and there are no bodies of water located inside the building lot boundary.

Thank you for your time and consideration and I look forward to any comments or concerns that may arise.

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Darren Dinsmore

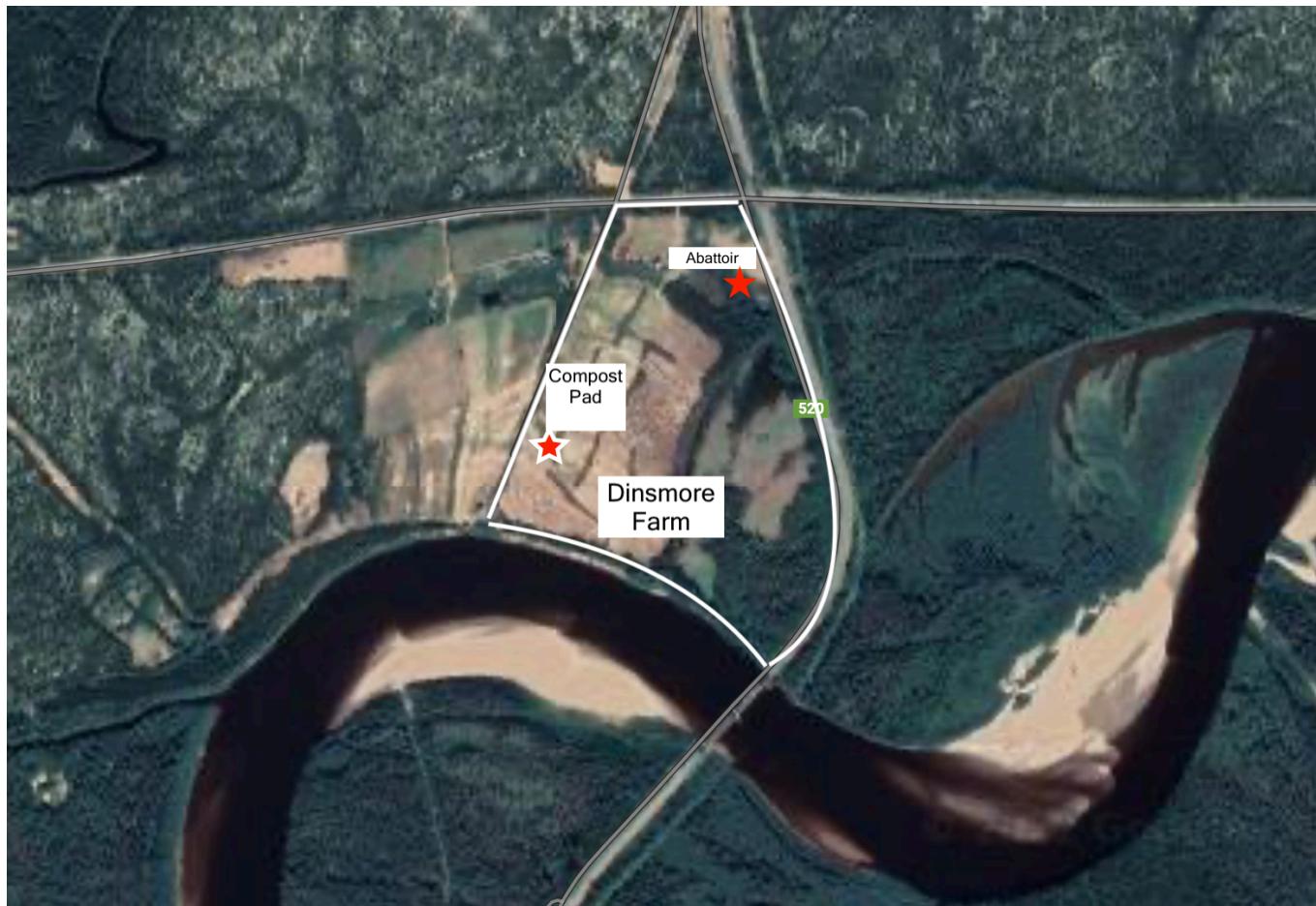
The proposed site of the abattoir will be located on Crown Land (Lease #13911) This property is already in use for agricultural purposes. We propose to build an abattoir approx. 100m south of the intersection at Route 520 North West River Road (NWRR) and Grand Lake Road. This would be on the upper Northeastern portion of our farm property at 1 Grand Lake Road in the town of Happy Valley Goose Bay.

**Figure 3.1:** Aerial Pictures of Site

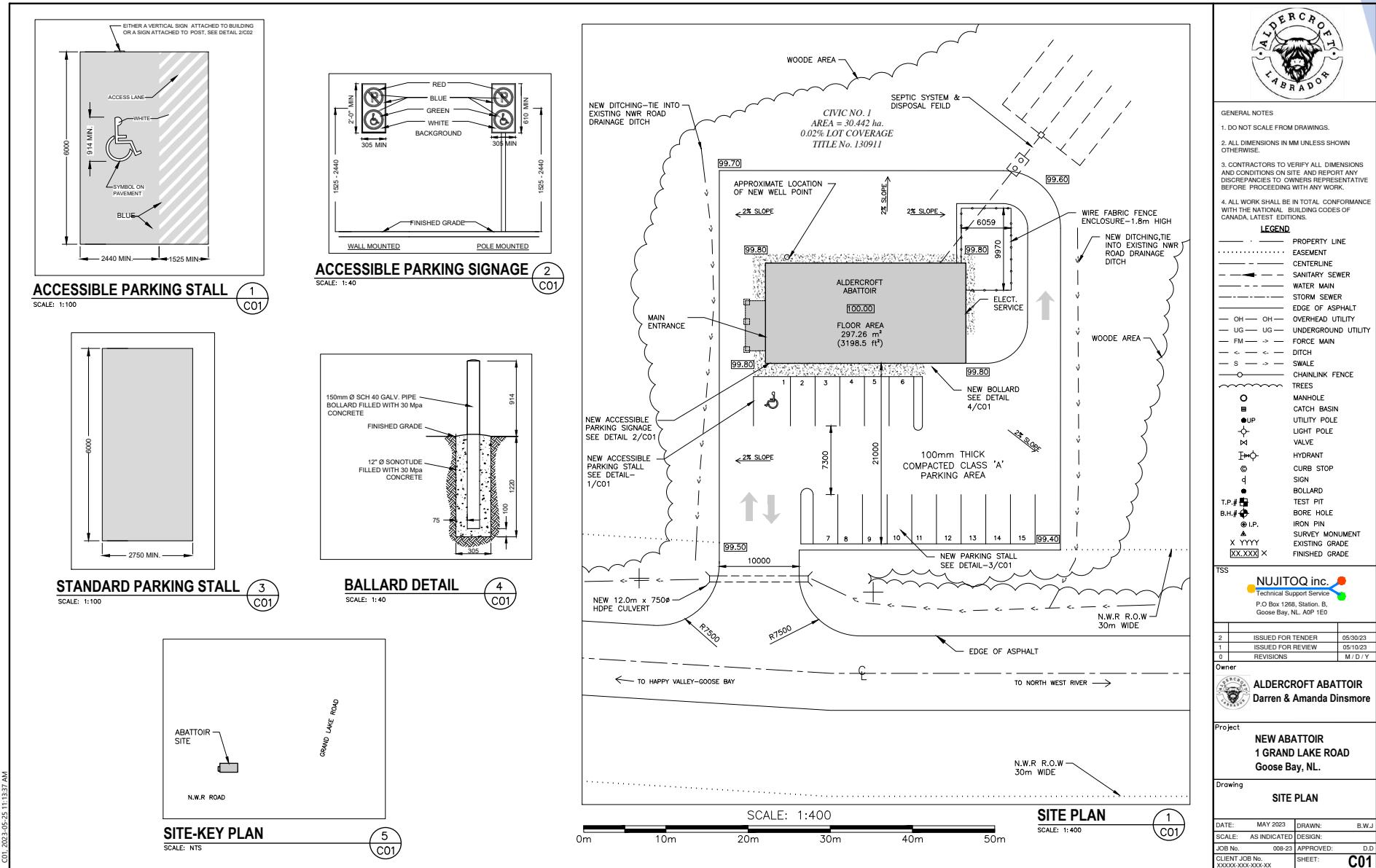


### 3.2 Physical Features

The area surrounding is a 2 Acre lot. It is situated on the East Side of our farm property. It is next to highway Route #520 with a sand berm on the western side. The location has predominantly sandy soil. The site for the undertaking has route access along with access to electricity and to a drilled well. The Undertaking will also include the design and construction of a septic field for the abattoir coming off the North Western side of the building. The nearest body of water is a bog 150m away on 10m lower grade, with no outflowing stream. With the Goose River 580m away with an additional 5m drop.



# Drainage Ditch Diagram



## **Water Supply**

We will have a drilled well with a separation distance of more than 16 meters from the absorption trench of the septic system. The well will also have a separation distance greater than 90 meters away from the composting pad. (section 27 of the NL Meat inspection Act). We will have an adequate supply of potable water, under pressure (3.8 NL Slaughterhouse construction Regulations). A Water Quality Analysis will be conducted before each season of operation or each month depending on volume of animals processed. (NL Slaughterhouse Construction Regulations, 3.8)

## **Water Drainage System**

The Aldercroft Abattoir will establish drainage contours to the land surrounding the abattoir connecting to the existing drainage ditch on the roadside. This is a preventative measure to discharge any on-site water that may occur to their natural water course without causing any environmental impact.

During the 1 in 100 chance of a 24hour rainfall event the ditching will effectively eliminate the chance of any standing water allowing it to follow its natural water course.

## **Septic System**

The Septic system will have an approved holding tank connected to a drainage field.

All wastewater and bathrooms will be connected into the septic system with back flow traps installed to prevent any backups. The approximate water use will be 400 Gal daily 5 days a week. The Septic system will consist of a 1000Gal tank and the drainage field. (NL Slaughterhouse Construction Regulations 3.9)