



ROSSBURN MUNICIPALITY

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Mr. Kerry Lawless
Mayor

Holly Krysko
Chief Administrative Officer

March 9, 2020

Director
Environmental Approvals Branch
Manitoba Sustainable Development
1007 Century Street
Winnipeg, Manitoba, R3H 0W4

To Whom it May Concern:

RE: Lagoon Wastewater Project at NW 35-19-25W

The Municipality of Rossburn would like to experiment with tertiary treatment of wastewater at the town of Rossburn site UTM: (5614978 N 371296 S). The project would see releasing limited amounts of treated effluent from the third cell to a depressional area adjacent to their current lagoon discharge route, on land owned by a community member supportive of the project.

This pilot would be conducted to study the feasibility of further water quality treatment, biomass production, nutrient harvesting as well as options to ease capacity constraints in the wastewater treatment system for the town.

The harvesting and removal of vegetative biomass will be examined as a means of water quality improvements. Post biological treatment, wastewater would be drained into the freshwater ditch network and allowed to ultimately infiltrate into the ground or make its way to the Birdtail river. The site would then be harvested, and sampling of the vegetation and site characteristics would take place. Site attributes such as soil saturation, biomass volumes and nutrient concentrations in soil and vegetation would be collected and analyzed. The harvested material would then be assessed for potential end uses such as livestock bedding, burning for heat generation or simply composted for soil amendments.

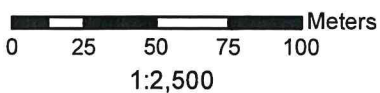
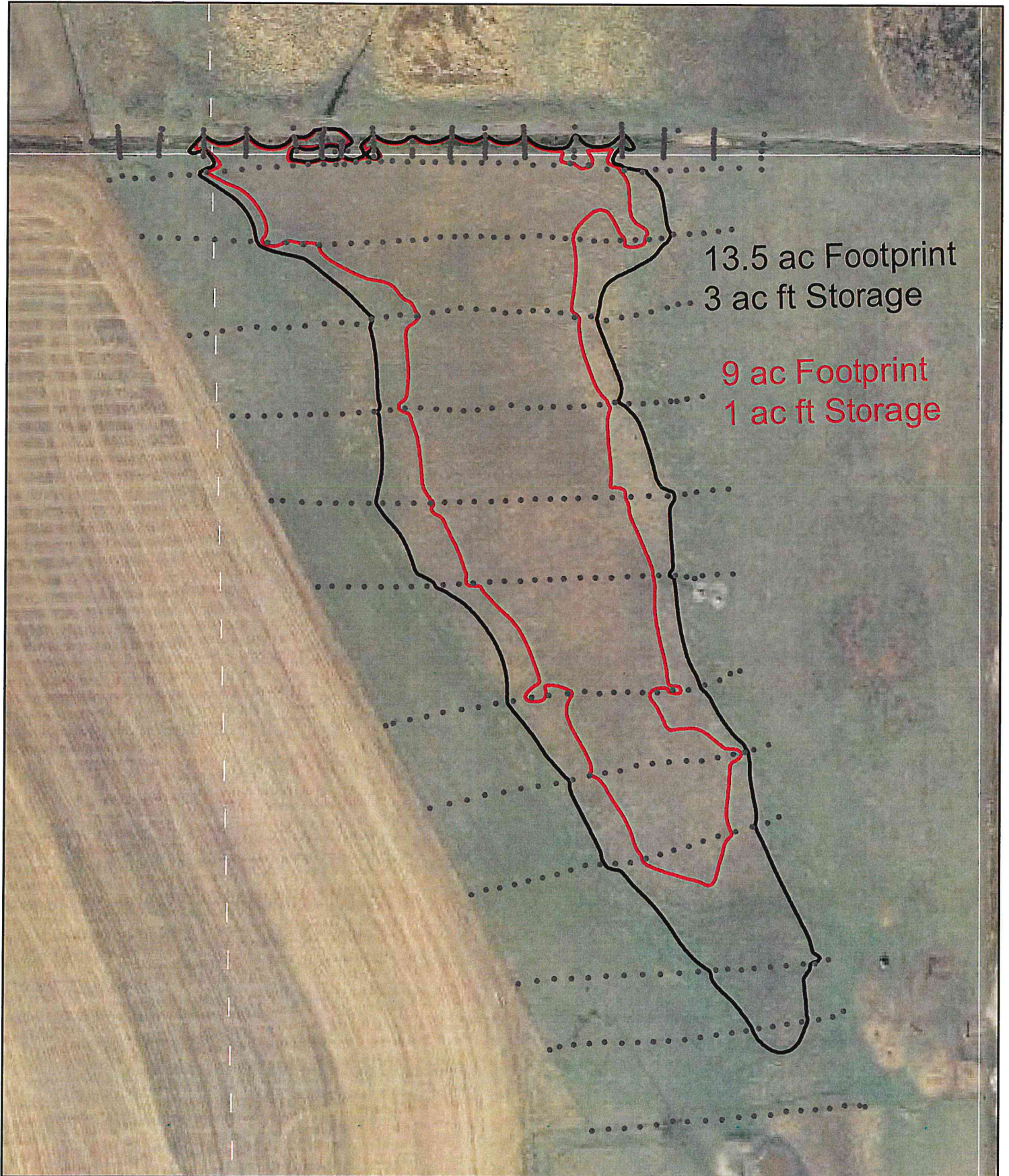
We have identified an area on NW-35-19-25, which would potentially store water short term and be feasible to drain and harvest. We have had the area surveyed and the preliminary data supports our concept.

Sincerely,

Holly Krysko, B.Comm., CMMA
Chief Administrative Officer



Rosburn Lagoon South Wetland Preliminary Survey



Upper Assiniboine River
Conservation District
Miniota MB, 204-567-3554
On the web: uarcd.com

Surveyed July 25, 2019
Elevations are not relative to any
known geodetics.