

## *Background*

Swansfleet Alliance filed an Environment Act Proposal in March, 2023 for an irrigation project north of Treherne on the Assiniboine River.

The project was publically advertised as follows (March 13, 2023):

Swansfleet Alliance seeks to build an irrigation project in the Municipality of Norfolk Treherne. They plan to divert water from the Assiniboine River to irrigate four quarter sections of cropland on 8-9-9 WPM. If approved, they will build the project in 2023 and finish by 2024 or 2025.

The Proponent is seeking a Development Permit Authorization from Manitoba Environment, Climate and Parks department for up to 666 dam<sup>3</sup> (540 acre-feet), which would allow for irrigation of up to 540 acres annually. The Project is considered a Class 2 development in relation to The Environment Act.

## *Proposed Amendment*

Swansfleet Alliance has determined that they would like to amend the proposal as follows, and as illustrated in Attached Maps 3, 6, and 7.

1. Addition of a small irrigation system on SE 18-9-9 W1, irrigating up to 22.1 suitable acres.
2. Modification of irrigated acres in Section 8-9-9 W1, to include swing arms, to irrigate up to the following suitable acres
  - a. NW 8-9-9 W1 - 145.1
  - b. NE 8-9-9 W1 - 155.2
  - c. SW 8-9-9 W1 - 155.2
  - d. SE 8-9-9 W1 - 149.6
3. The modified acres take into account non-irrigation on soils rated poor for General Irrigation. Variable Rate Technology will be utilized to avoid irrigation/fertigation of these areas (highlighted in attached maps).
4. **Total area for irrigation to be 627.2 acres. Total water requirement 774 Dam<sup>3</sup> (627 acre-feet),** which may be modified based on crop rotation in final Water Rights License.
5. Pipeline to SE 18-9-9 W1 will be aluminum (e.g. overland) connected in future to turnout in SE corner of SE 18-9-9 W1.
6. Intake selected is Option 2.
7. Pipeline route from Option 2 intake to Section 8-9-9 W1, modified only slightly (e.g., alignment and booster pump location, and distribution within 8-9-9W1). Revised map attached.
8. Certificate of Title for SE 18-9-9 W1 is provided in Appendix. There is no formal lease or easement agreement which is pending the issuance of the EAL and Water Development Permit.

## *Impacts*

The proposed amendment to the proposal will not impact the project proposal given that:

1. Application for additional water will be made to Manitoba Environment, Climate and Parks.
2. Land added in SE 18-9-9 W1 is considered largely irrigable or will be avoided by VRI.
3. Heritage Resource Surveys were undertaken in Fall, 2023 for the new pipeline route and selected intake (North Roots Research, Lisa Bobbie).
4. Impacts are otherwise as described within the filed Environment Act Proposal (March 2023).

### *Update*

The following is a brief update on the project status.

1. North Roots Research has completed their report on Heritage Resource Impact Assessment for the revised irrigation pipeline and intake layout attached herein.
2. Intake development, pump and pipeline construction will take place in summer/fall, 2024.
3. First irrigation will take place in 2025.
4. The selected intake was previously developed by others and will require only minor modifications. Engineering of the modifications including erosion control will proceed this winter.
5. The floating intake will not impact the riverbed and thus not expected to impact Maple Leaf mussels, if they exist at this location.
6. Negotiations with Manitoba Hydro are ongoing related to power supply, but it is likely that generators will be utilized initially.
7. Drainage works have been proposed and accepted by Manitoba Environment and Climate Change (Drainage and Water Control Section) (separate application by Drainage Contractors).

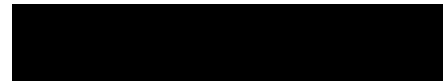
This amendment is respectfully submitted on behalf of Swansfleet Alliance and is to provide additional information required for the draft Environment Act License issued in September 2023 (File 6173).

<https://www.gov.mb.ca/sd/eal/registries/6173/index.html>

For more information or details please contact the undersigned.

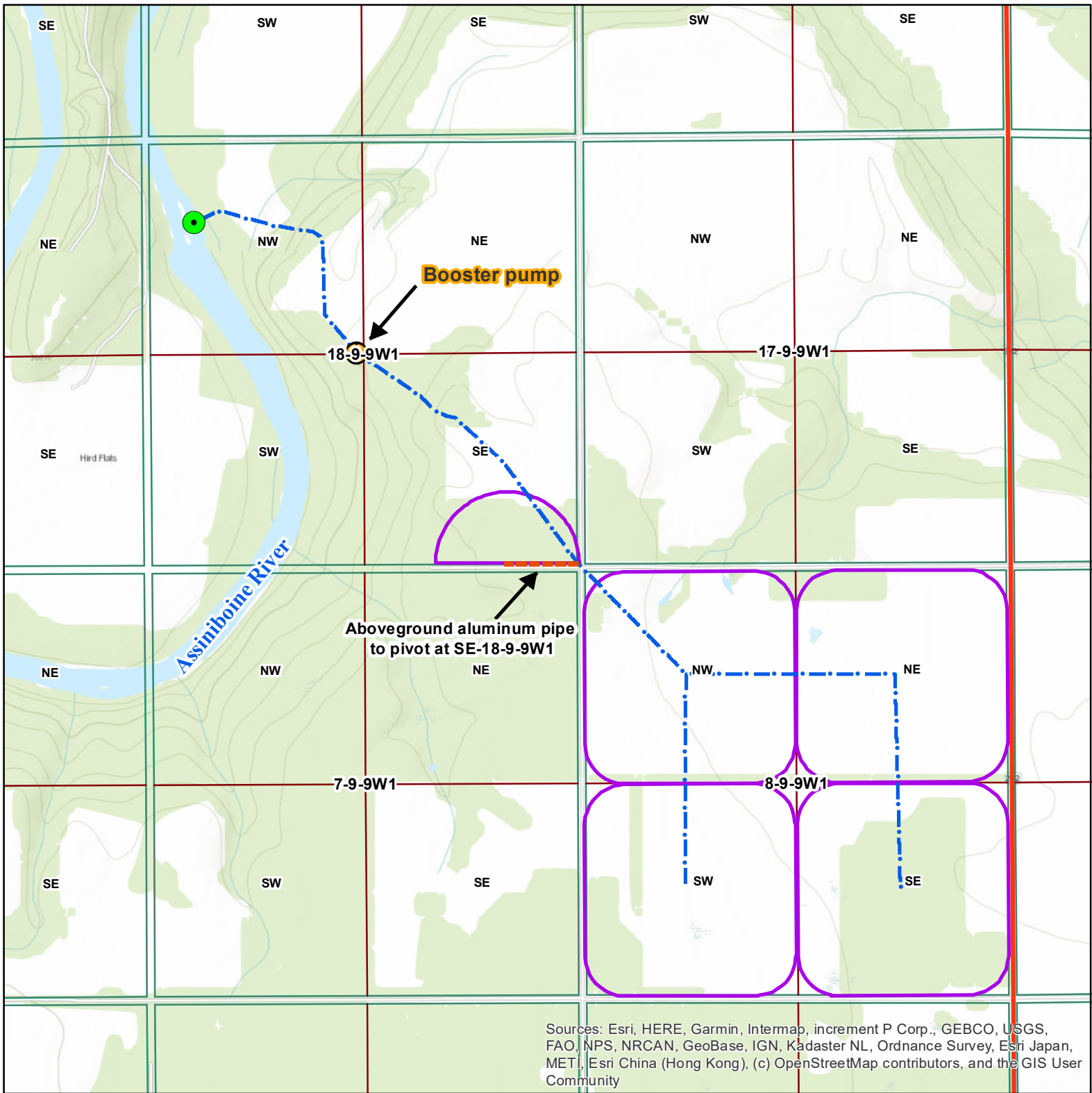
Draft Issued December 6, 2023

Final Issued February 9, 2024



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Attachments (Maps 3, 6, 7, C of T for SE 18-9-9 W1).



Map Number

**3 rev**

Map Name

**Project Infrastructure**

Project Name

**Swansfleet Irrigation Project**

PREPARED BY

**PBS** Water Engineering

DRAWING SCALE

1:20,000

DATE

November 20, 2023

DRAWN/CHECKED

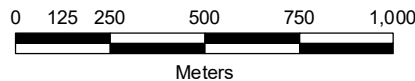
DAW/PBS

**agriearth** consulting ltd.

*Acknowledgements:*

*Original drawing by AgriEarth Consulting Ltd.*

*Data accessed from Manitoba Land Initiative, Province of Manitoba.*



## Legend



Intake Pump



Booster Pump



Pipeline

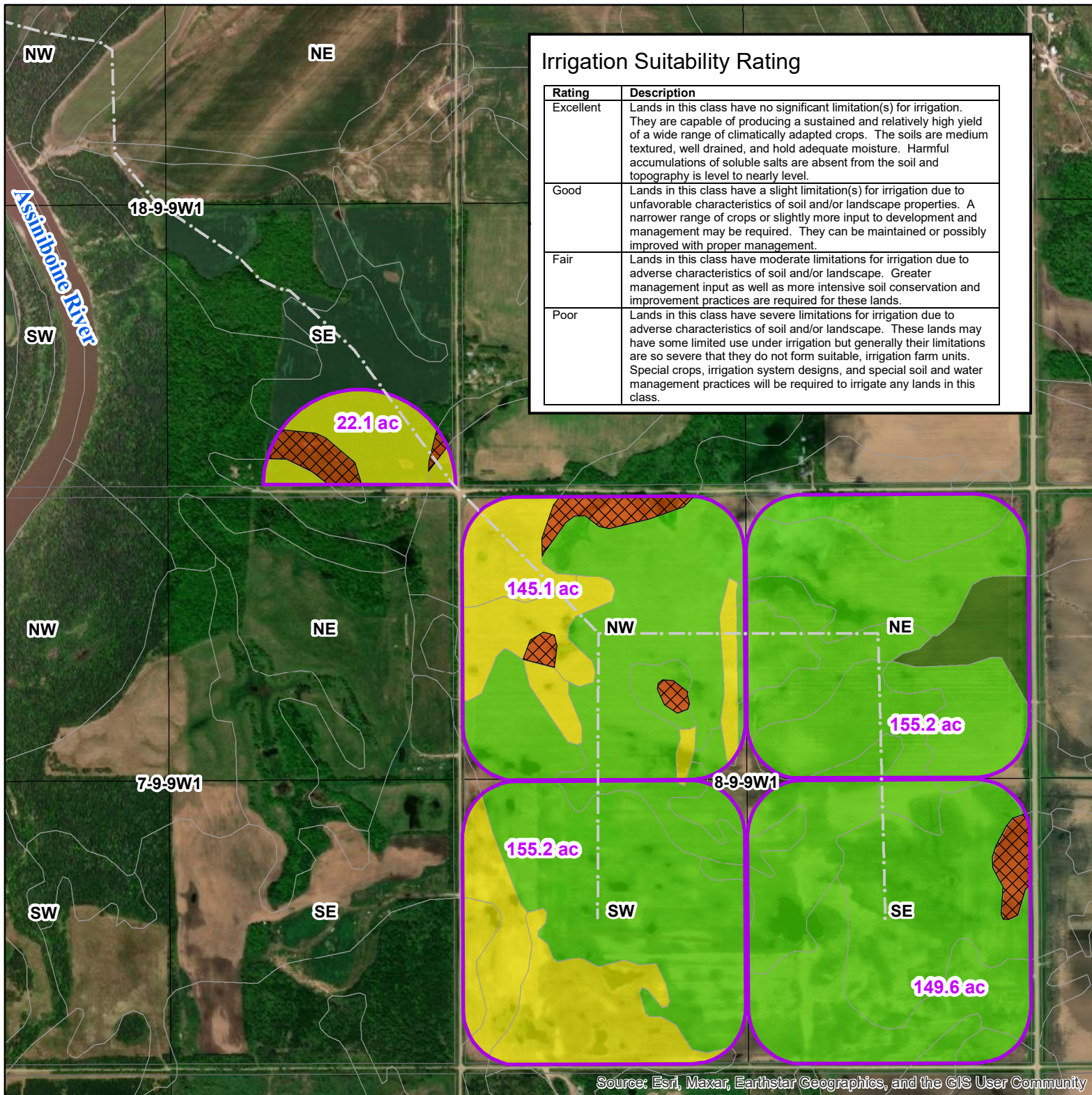


Pivot



Provincial roads





Source: Esri, Maxar, Earthstar Geographics, and the GIS User Community

Map Number

**6 rev**

Map Name

**Irrigation Suitability**

Project Name

**Swansfleet Irrigation Project**

PREPARED BY

**PBS** Water Engineering

DRAWING SCALE

1:15,000

DATE

November 20, 2023

DRAWN/CHECKED

DAW/PBS

**agriearth** consulting ltd.

Acknowledgements:

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Data accessed from Manitoba Land Initiative, Province of Manitoba.

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0 100 200 400 600 800



Meters

## Legend

--- Pipeline

  Pivot

  Irrigation exclusion area

## Irrigation Suitability

Excellent

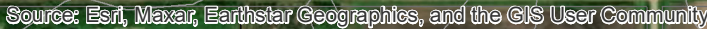
Good

Fair

Poor

**Irrigation field area**





Irrigation  
field  
area

## STATUS OF TITLE

Title Number **2525812/4**

Title Status **Accepted**

Client File



### 1. REGISTERED OWNERS, TENANCY AND LAND DESCRIPTION

KRISTIN SHAWNA TURNER  
OF BRUXELLES IN MANITOBA

IS REGISTERED OWNER SUBJECT TO SUCH ENTRIES RECORDED HEREON  
IN THE FOLLOWING DESCRIBED LAND:

THE SE 1/4 OF SECTION 18-9-9 WPM  
EXC FIRSTLY: PLAN 36753 MLTO  
AND SEONDLY: ALL MINES AND MINERALS AS RESERVED  
IN THE ORIGINAL GRANT FROM THE CROWN

The land in this title is, unless the contrary is expressly declared, deemed to be subject to the reservations and restrictions set out in section 58 of *The Real Property Act*.

### 2. ACTIVE INSTRUMENTS

Instrument Type:	<b>Caveat</b>
Registration Number:	<b>97-10414/4</b>
Instrument Status:	<b>Accepted</b>
Registration Date:	1997-12-09
From/By:	MTS NETCOM INC.
To:	
Amount:	
Notes:	PART
Description:	No description

### 3. ADDRESSES FOR SERVICE

KRISTIN SHAWNA TURNER  
BOX 46  
BRUXELLES MB  
R0G 0G0

### 4. TITLE NOTES

No title notes

<b>5. LAND TITLES DISTRICT</b>
Morden
<b>6. DUPLICATE TITLE INFORMATION</b>
Duplicate not produced
<b>7. FROM TITLE NUMBERS</b>
1890270/4          All
<b>8. REAL PROPERTY APPLICATION / CROWN GRANT NUMBERS</b>
No real property application or grant information
<b>9. ORIGINATING INSTRUMENTS</b>
Instrument Type: <b>Transfer Of Land</b>
Registration Number: <b>1158944/4</b>
Registration Date:          2011-05-06
From/By:                    BONNIE MAY LATIMER
To:                            KRISTIN SHAWNA TURNER
Consideration:              \$95,000.00
<b>10. LAND INDEX</b>
SE 18-9-9W
EXC PLAN 36753 EXC M&M

CERTIFIED TRUE EXTRACT PRODUCED FROM THE LAND TITLES DATA STORAGE  
SYSTEM OF TITLE NUMBER 2525812/4