Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

NRCB USE ONLY	Application number	Legal land description
☒ Approval ☐ Registration ☐ Authorization ☐ Amendment	BA25008	SW 12-55-27 W4M

APPLICATION DISCLOSURE

This information is collected under the authority of the *Agricultural Operation Practices Act* (AOPA), and is subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. This information is public unless the NRCB grants a written request that certain sections remain private.

Any construction prior to obtaining an NRCB permit is an offence and is subject to enforcement action, including prosecution.

I, the applicant, or applicant's agent, have read and understand the statements above, and I acknowledge that the information provided in this application is true to the best of my knowledge.

FEB 21 2025
Date of signing

[redacted]
Signature

Corporate name (if applicable)

Amir Vaezi
Print name

GENERAL INFORMATION REQUIREMENTS

Proposed facilities: list all proposed confined feeding operation facilities and their dimensions. Indicate whether any of the proposed facilities are additions to existing facilities. (attach additional pages if needed)

Proposed facilities	Dimensions (m) FT (length, width, and depth)
LAYER B. x 2	450 x 65
M STORAGE	150 x 60
PULLET B	450 x 65
M STORAGE	60 x 60
Grading / Cooler	140 x 80

Existing facilities: list **ALL** existing confined feeding operation facilities and their dimensions

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Pens x 9		

NRCB USE ONLY

Part 2 — Technical Requirements

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If a new facility is replacing an old facility, please explain what will happen to the old facility and when. ☑ N/A

Change category from beef CFO to layer CFO.

Construction completion date for proposed facilities End of 2027

Additional information

Livestock numbers: Complete only if livestock numbers are different from what was identified in the Part 1 application. Note: if livestock numbers increase in your Part 2 application, a new Part 1 application must be submitted which may result in a loss of priority for minimum distance separation (MDS).

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	**Permitted number**	**Proposed increase or decrease in number (if applicable)**	**Total**

Part 2 — Technical Requirements

NRCB | Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

DECLARATION AND ACKNOWLEDGMENT OF APPLICANT CONCERNING *WATER ACT* LICENCE
issued by Alberta Environment and Protected Areas (EPA) for a confined feeding operation (CFO)
Date and sign one of the following four options

OPTION 1: Applying through the NRCB for both the AOPA permit and the *Water Act* licence

I **DO** want my water licence application coupled to my AOPA permit application.

Signed this ____day of _____, 20____. _____
Signature of Applicant or Agent

OPTION 2: Processing the AOPA permit and *Water Act* licence separately

1. I (we) acknowledge that the CFO will need a new water licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. I (we) request that the NRCB process the AOPA application **independently of** EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant the *Water Act* licence application.
5. I (we) acknowledge that any such construction or livestock populating will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide:** Water licence application number(s) _____

Signed this ____ day of _____, 20____. _____
Signature of Applicant or Agent

OPTION 3: Additional water licence not required

1. I (we) declare that the CFO will not need a new licence from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. **Provide**: Water license number(s) or water conveyance agreement details 00192069-00-00

Signed this 21 day of February, 2025. [redacted]
r Agent

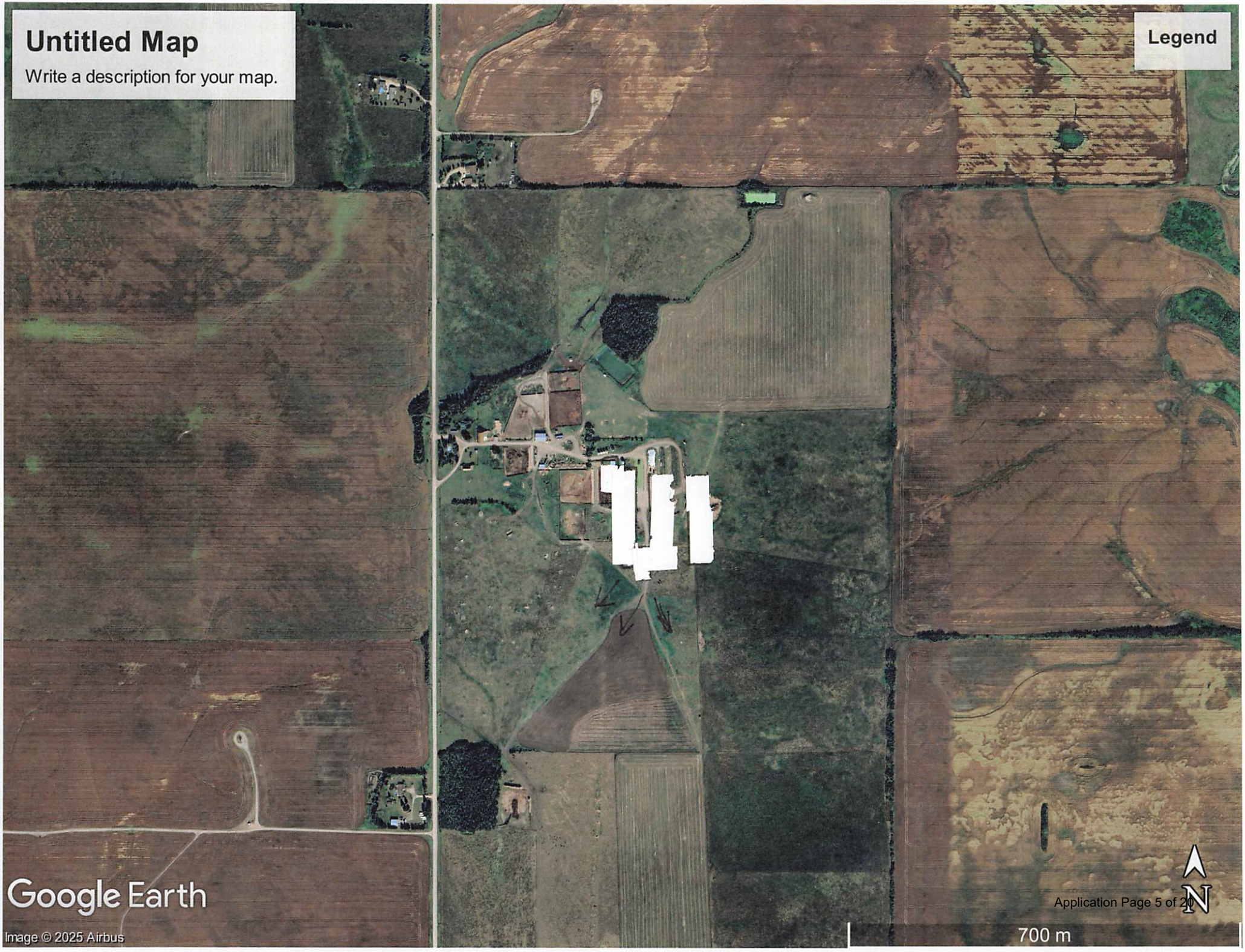
OPTION 4: Uncertain if *Water Act* licence is needed; acknowledgement of risk (for existing CFOs only)

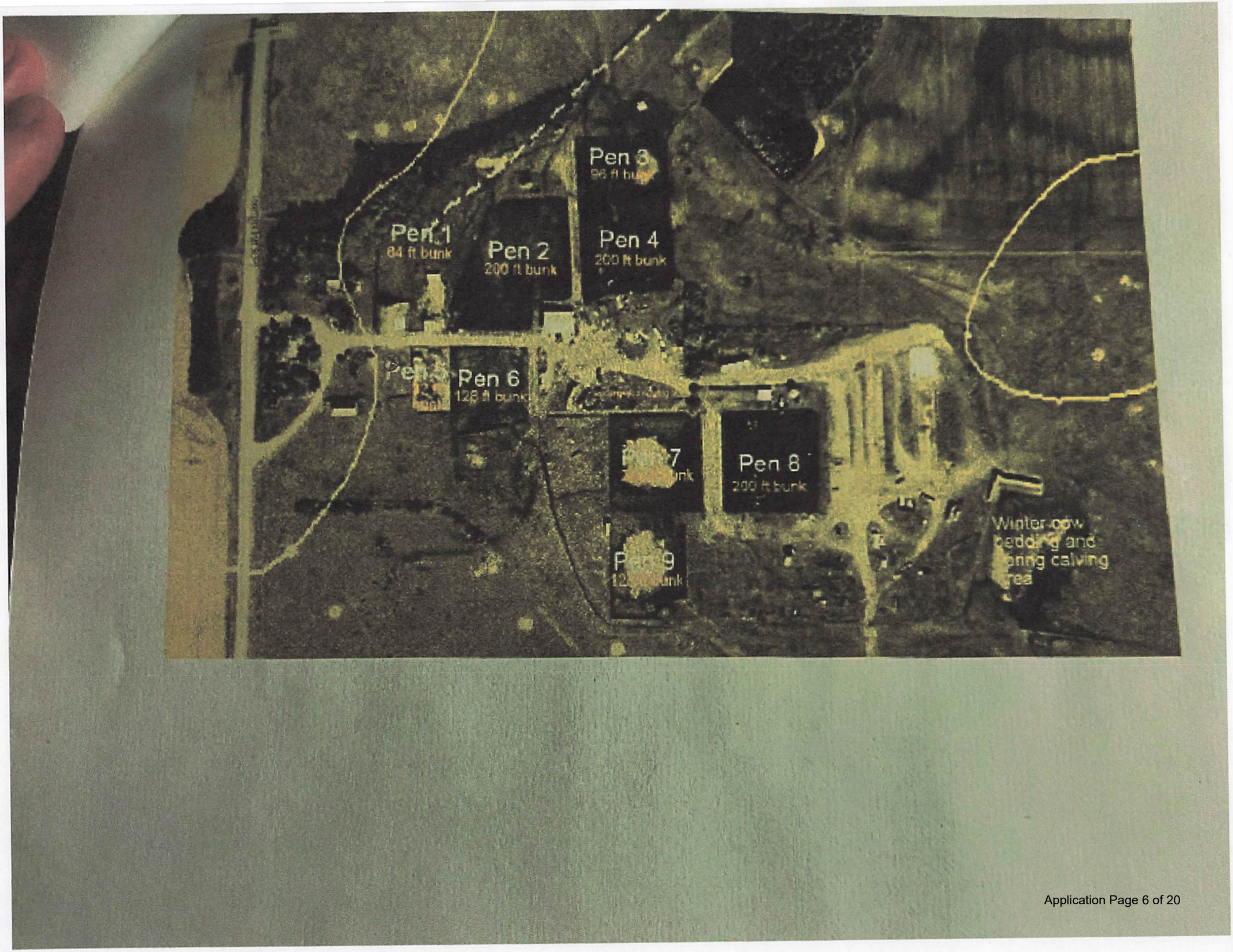
1. At this time, I (we) do not know whether a new water licence is needed from EPA under the *Water Act* for the development or activity proposed in this AOPA application.
2. If a new *Water Act* licence is needed, I (we) request that the NRCB process the AOPA application **independently of** EPA's processing of the CFO's application for a water licence.
3. In making this request, I (we) recognize that, if this AOPA application is granted by the NRCB, the NRCB's decision will not be considered by EPA as improving or enhancing the CFO's eligibility for a water licence under the *Water Act*.
4. I (we) acknowledge that any construction or actions to populate the CFO with additional livestock pursuant to an AOPA permit in the absence of a *Water Act* licence will **not** be relevant to EPA's consideration of whether to grant my *Water Act* licence application, if a new water licence is needed.
5. I (we) acknowledge that any such construction or livestock increase will be at the CFO's sole risk if the *Water Act* licence application is denied or if the operation of the CFO is otherwise deemed to be in violation of the *Water Act*. This risk includes being required to depopulate the CFO and/or to cease further construction, or to remove "works" or "undertakings" (as defined in the *Water Act*).
6. **AS RELEVANT:** I (we) acknowledge that the CFO is located in the South Saskatchewan River Basin and that, pursuant to the *Bow, Oldman and South Saskatchewan River Basin Water Allocation Order* [Alta. Reg. 171/2007], this basin is currently closed to new surface water allocations.
7. **Provide**: Water license number(s) or water conveyance agreement details _____

_____

Signed this _____ day of _____, 20____. _____

Signature of Applicant or Agent


Untitled Map
Write a description for your map.
Legend
Google Earth
Image © 2025 Airbus
N
700 m


Pen 1
84 ft bunk
Pen 2
200 ft bunk
Pen 4
200 ft bunk
Pen 6
126 ft bunk
Pen 8
200 ft bunk

Alberta Water Well Drilling Report

The driller supplies the data contained in this report. The Province disclaims responsibility for its accuracy. The information on this report will be retained in a public database.

View in Imperial | **Export to Excel**

GOWN ID

GIC Well ID 280664
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1973/12/19

Well Identification and Location

Measurement in Metric

Owner Name	Address	Town	Province	Country	Postal Code
CAMPBELL, DON	CALAHOO				

Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description
	SW	12	55	27	4				

Measured from Boundary of
m from
m from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 53.734258 Longitude -113.886585
How Location Obtained
Map

Elevation m
How Elevation Obtained
Not Obtained

Drilling Information

Method of Drilling
Rotary

Proposed Well Use
Domestic & Stock

Type of Work
New Well

Formation Log

Measurement in Metric

Depth from ground level (m)	Water Bearing	Lithology Description
5.49		Red Soft Clay
25.91		Blue Gray See Comments Shale & Sandstone

Yield Test Summary

Measurement in Metric

Recommended Pump Rate 0.00 L/min

Test Date	Water Removal Rate (L/min)	Static Water Level (m)
1973/12/11	15.91	0.00

Well Completion

Measurement in Metric

Total Depth Drilled	Finished Well Depth	Start Date	End Date
25.91 m			1973/12/11

Borehole

Diameter (cm)	From (m)	To (m)
0.00	0.00	25.91

Surface Casing (if applicable)

Size OD : 0.00 cm
Wall Thickness : 0.000 cm
Bottom at : 0.00 m

Well Casing/Liner
Steel

Size OD : 13.97 cm
Wall Thickness : 0.396 cm
Top at : 0.00 m
Bottom at : 25.91 m

Perforations

From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)	Hole or Slot Interval(cm)
3.05	22.86	0.000		0.00

Perforated by

Annular Seal Loose
Placed from 0.00 m to 7.62 m
Amount

Other Seals

Type	At (m)

Screen Type

Size OD : 0.00 cm

From (m)	To (m)	Slot Size (cm)

Attachment
Top Fittings
Bottom Fittings

Pack
Type
Grain Size
Amount

Contractor Certification

Name of Journeyman responsible for drilling/construction of well
UNKNOWN NA DRILLER

Certification No
1

Company Name
SIMPSON DRILLING LTD.

Copy of Well report provided to owner *Date approval holder signed*

Alberta Water Well Drilling Report

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GOWN ID

GIC Well ID 280664
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1973/12/19

Well Identification and Location

Measurement in Metric

Owner Name	Address	Town	Province	Country	Postal Code
CAMPBELL, DON	CALAHOO				

Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description
	SW	12	55	27	4				

Measured from Boundary of
m from
m from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 53.734258 Longitude -113.886585
How Location Obtained
Map

Elevation m
How Elevation Obtained
Not Obtained

Additional Information

Measurement in Metric

Distance From Top of Casing to Ground Level cm
Is Artesian Flow
Rate L/min
Is Flow Control Installed
Describe

Recommended Pump Rate 0.00 L/min
Pump Installed Yes
Depth m
Recommended Pump Intake Depth (From TOC) 21.34 m
Type SUB
Make MACDOUGAL
H.P.
Model (Output Rating)

Did you Encounter Saline Water (>4000 ppm TDS)
Depth m
Well Disinfected Upon Completion
Gas
Depth m
Geophysical Log Taken
Remedial Action Taken
Submitted to ESRD
Sample Collected for Potability
Submitted to ESRD

Additional Comments on Well
18-85'SEAMS OF COAL AND SOAPSTONE. ORIGINALLY IN RGE 25

Yield Test

Taken From Ground Level
Measurement in Metric

Test Date	Start Time	Static Water Level	Pumping (m)	Depth to water level: Elapsed Time Minutes:Sec	Recovery (m)
1973/12/11	12:00 AM	0.00 m			

Method of Water Removal
Type Pump
Removal Rate 15.91 L/min
Depth Withdrawn From 21.34 m

If water removal period was < 2 hours, explain why

Water Diverted for Drilling

Water Source	Amount Taken	Diversion Date & Time
	L	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well
UNKNOWN NA DRILLER

Certification No
1

Company Name
SIMPSON DRILLING LTD.

Copy of Well report provided to owner
Date approval holder signed

Alberta Water Well Drilling Report

View in Imperial | Export to Excel

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GOWN ID

GIC Well ID 263301
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1935/07/02

Well Identification and Location

Measurement in Metric

Owner Name	Address	Town	Province	Country	Postal Code
DHOEDT, L.	CALAHOO				

Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description
	4	12	55	27	4				

Measured from Boundary of
m from
m from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 53.732450 Longitude -113.889634
How Location Obtained
Field

Elevation 699.52 m
How Elevation Obtained
Estimated

Drilling Information

Method of Drilling
Drilled

Type of Work
New Well

Proposed Well Use
Domestic & Stock

Formation Log

Measurement in Metric

Depth from ground level (m)	Water Bearing	Lithology Description

Yield Test Summary

Measurement in Metric

Recommended Pump Rate 0.00 L/min

Test Date	Water Removal Rate (L/min)	Static Water Level (m)
1929/01/01		18.29

Well Completion

Measurement in Metric

Total Depth Drilled	Finished Well Depth	Start Date	End Date
83.82 m			1929/01/01

Borehole

Diameter (cm)	From (m)	To (m)
0.00	0.00	83.82

Surface Casing (if applicable)
Unknown
Size OD : 10.16 cm
Wall Thickness : 0.000 cm
Bottom at : 30.48 m

Well Casing/Liner
Unknown
Size OD : 6.35 cm
Wall Thickness : 0.000 cm
Top at : 30.48 m
Bottom at : 83.82 m

Perforations

From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)	Hole or Slot Interval(cm)

Perforated by Unknown

Annular Seal
Placed from 0.00 m to 0.00 m
Amount

Other Seals

Type	At (m)

Screen Type
Size OD : 0.00 cm

From (m)	To (m)	Slot Size (cm)

Attachment
Top Fittings Bottom Fittings

Pack
Type Grain Size
Amount

Contractor Certification

Name of Journeyman responsible for drilling/construction of well
UNKNOWN NA DRILLER

Certification No
1

Company Name
UNKNOWN DRILLER

Copy of Well report provided to owner Date approval holder signed

Alberta Water Well Drilling Report

View in Imperial | Export to Excel

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GOWN ID

GIC Well ID 263301
GoA Well Tag No.
Drilling Company Well ID
Date Report Received 1935/07/02

Well Identification and Location

Measurement in Metric

Owner Name	Address	Town	Province	Country	Postal Code
DHOEDT, L.	CALAHOO				

Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description
	4	12	55	27	4				

Measured from Boundary of
m from
m from

GPS Coordinates in Decimal Degrees (NAD 83)
Latitude 53.732450 Longitude -113.889634
How Location Obtained
Field

Elevation 699.52 m
How Elevation Obtained
Estimated

Additional Information

Measurement in Metric

Distance From Top of Casing to Ground Level cm
Is Artesian Flow
Rate L/min

Is Flow Control Installed
Describe

Recommended Pump Rate 0.00 L/min
Recommended Pump Intake Depth (From TOC) 0.00 m

Pump Installed
Depth m
Type
Make
H.P.
Model (Output Rating)

Did you Encounter Saline Water (>4000 ppm TDS)
Depth m
Gas
Depth m

Well Disinfected Upon Completion
Geophysical Log Taken
Remedial Action Taken
Submitted to ESRD

Sample Collected for Potability
Submitted to ESRD

Additional Comments on Well
OWNER REPORTS SOFT WATER.

Yield Test

Taken From Ground Level
Measurement in Metric

Test Date	Start Time	Static Water Level	Depth to water level Pumping (m)	Elapsed Time Minutes:Sec	Recovery (m)
1929/01/01	12:00 AM	18.29 m			

Method of Water Removal
Type
Removal Rate L/min
Depth Withdrawn From 0.00 m

If water removal period was < 2 hours, explain why

Water Diverted for Drilling

Water Source	Amount Taken	Diversion Date & Time
	L	

Contractor Certification

Name of Journeyman responsible for drilling/construction of well
UNKNOWN NA DRILLER

Certification No
1

Company Name
UNKNOWN DRILLER

Copy of Well report provided to owner
Date approval holder signed

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

GENERAL ENVIRONMENTAL INFORMATION

(complete this section for the worst case of the existing facility which is the closest to water bodies or water wells and for each of the proposed facilities)

Facility description / name *(as indicated on site plan)*

Existing: Pen 9 **Proposed 1:** Layer barn

Proposed 2: Pullet barn **Proposed 3:** _____

Facility and environmental risk information		Facilities				NRCB USE ONLY	
		Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information	What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	☑ >1 m ☐ ≤ 1 m	☑ >1 m ☐ ≤ 1 m	☑ >1 m ☐ ≤ 1 m	☐ > 1 m ☐ ≤ 1 m	☐ YES ☐ NO ☐ YES with exemption	
Surface water information	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0	0		☐ YES ☐ NO ☐ YES with exemption	
	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	0	0		☐ YES ☐ NO ☐ YES with exemption	
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	170m	200m	200m		☐ YES ☐ NO ☐ YES with exemption	
Groundwater information	What is the depth to the water table?		7m	7m		☐ YES ☐ NO ☐ YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	21m	21m	21m		☐ YES ☐ NO ☐ YES with exemption	

Additional information (attach supporting information, e.g. borehole logs, records, etc. you consider relevant to your application)

Part 2 — Technical Requirements

NRCB | Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

DISTANCE OF ANY MANURE STORAGE FACILITY (EXISTING OR PROPOSED) TO NEIGHBOURING RESIDENCES

			NRCB USE ONLY				
Neighbour name(s)	**Legal land description**	**Distance (m)**	**Zoning (LUB) category**	**MDS category (1-4)**	**Distance (m)**	**Waiver attached (if required)**	**Meets regulations**
Peters	Ne-2-55-27-W4	566m					
Starchuck	NW-12-55-27-W4	564m					

LAND BASE FOR MANURE AND COMPOST APPLICATION (complete only if an increase in livestock or manure production will occur)

				NRCB USE ONLY	
Name of land owner(s)*	**Legal land description**	**Usable area** ~~(ha)~~ acres**	**Soil zone *****	**Usable area (ha)**	**Agreement attached (if required)**
Merrick	NW-1-55-27-W4	160			
Merrick	SW-12-55-27-W4	160			
Merrick	NW-24-55-27-W4	154.81			
Merrick	SW-24-55-27-W4	160			
See Attached			Total		

* If you are **not** the registered landowner, you must attach copies of land use agreements signed by all landowners.

** Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 Manure Spreading Regulations)

*** Brown, dark brown, black, grey wooded, or irrigated

Additional information (attach any additional information as required)

Manure Spreading Agreement

This agreement is between AMIN VALJI, manure producer, and ROBB McCOLLUM manure receiver.

Length of agreement: This agreement is valid for a time period of 3YRS (minimum of one year)

Legal land location	Soil type[1]	Acres suitable for manure spreading[2]
SEE ATTACHED		

[1] Soil type choices: Dark brown and brown, Grey wooded, Black, Irrigated.

[2] Land within required setbacks from water bodies, water wells, residences, etc. is not to be included.

Other comments:

Manure producer (Confined Feeding Operation) Legal Land Location SW 12 55 27 W4

02/21/2025 [redacted] AMIN VALJI

Date of signing Print name Corporate name(if appl)

Manure Receiver – Landowner(s)[3]

02/21/2025 [redacted] ROBB McCOLLUM MCCOLLUM FARMS LTD

Date of signing Signature Print name Corporate name(if appl)

Date of signing Signature Print name Corporate name(if appl)

[3] All registered owners of land, or authorized signing authorities must sign.

McCollum Farms [redacted] **Crop Year 2018**

Robb Cell: [redacted] **Blair Cell:** [redacted]

Legal Location	Field Name	Acres	Crop Grown	Variety	Date Seeded	Comments
NW 23-54-26 W4	Murray's	70	HRS Wheat	AAC Connery		Manure
SW 7-55-25 W4	Gramlach	105	HRS Wheat	AAC Connery		
SW 1-55-26 W4	Lang's	145	HRS Wheat	AAC Connery		ESN
SE 35-54-26 W4	Elliot	100	HRS Wheat	Carberry		
NE 35-54-26 W4	Twin Deer	60	HRS Wheat	Carberry		
W 11-55-26 W4	McLeod's	305	HRS Wheat	Carberry		Manure, Fierce (pre)
NE 11-55-26 W4	Amin Dad's	130	HRS Wheat	Carberry		Manure
SW 12-55-26 W4	Amin's	70	HRS Wheat	Carberry		Manure
SW 13-55-26 W4	Fuhr's N	155	HRS Wheat	Carberry		
NW 12-55-26 W4	Fuhr's Home S	70	HRS Wheat	Carberry		
S 14-54-26 W4	Thatcher	280	HRS Wheat	CF 5605		Fierce (pre) ESN
SP S 22-54-26 w4	Ingross/Blair	150	HRS Wheat	CF 5605		ESN
NP S 22-54-26 W4	Home/Robb	150	HRS Wheat	CF 5605		ESN, Bio Sol
SP NE 22-54-26 W4	Boyko	35	HRS Wheat	CF 5605		ESN
SE 34-54-26 W4	Blair	77	HRS Wheat	CF 5605		ESN, Bio Sol
E1/2 36-54-26 W4	Franchie	280	LL Canola	L255pc		
SE 22-52-27 W4	Creekside	200	LL Canola	L241c		Manure
N1/2 SE 15-54-26 W4	Bev Watt	75	LL Canola	L255pc		
W1/2 12-54-26 W4	George's	180	LL Canola	L255pc		
SW 12-54-26 W4	Ray Rouault	156	LL Canola	L255pc		
SE 28-54-26 W4	Ron Rouault	77	LL Canola	L255pc		
N1/2 14-54-26 W4	King (Rouault)	154	RR Canola/soy	45cs86		30 Soy; Pioneer(2ac trial)
SW 23-54-26 W4	Bazzani	150	Malt Barley	Copeland		
SP NE SE 28-54-26	Gateway	165	Malt Barley	Copeland		
RL 5&6 58-26 W4	Joanne's	220	Malt Barley	Copeland		
RL 4 58-26 W4	Len's South	118	Malt Barley	Copeland		
NE 34-53-26 W4	Len's West	128	Malt Barley	Copeland		
1-54-26 W4	Andre's	168	Malt Barley	Copeland		
SP SE 28-54-25 W4	Rouault	90	Malt Barley	Copeland		
SE 5-54-26 W4	Clegg N	180	oats			
E 32-53-26 W4	Clegg Pasture	100	Grass			


Ruler
Line
Path
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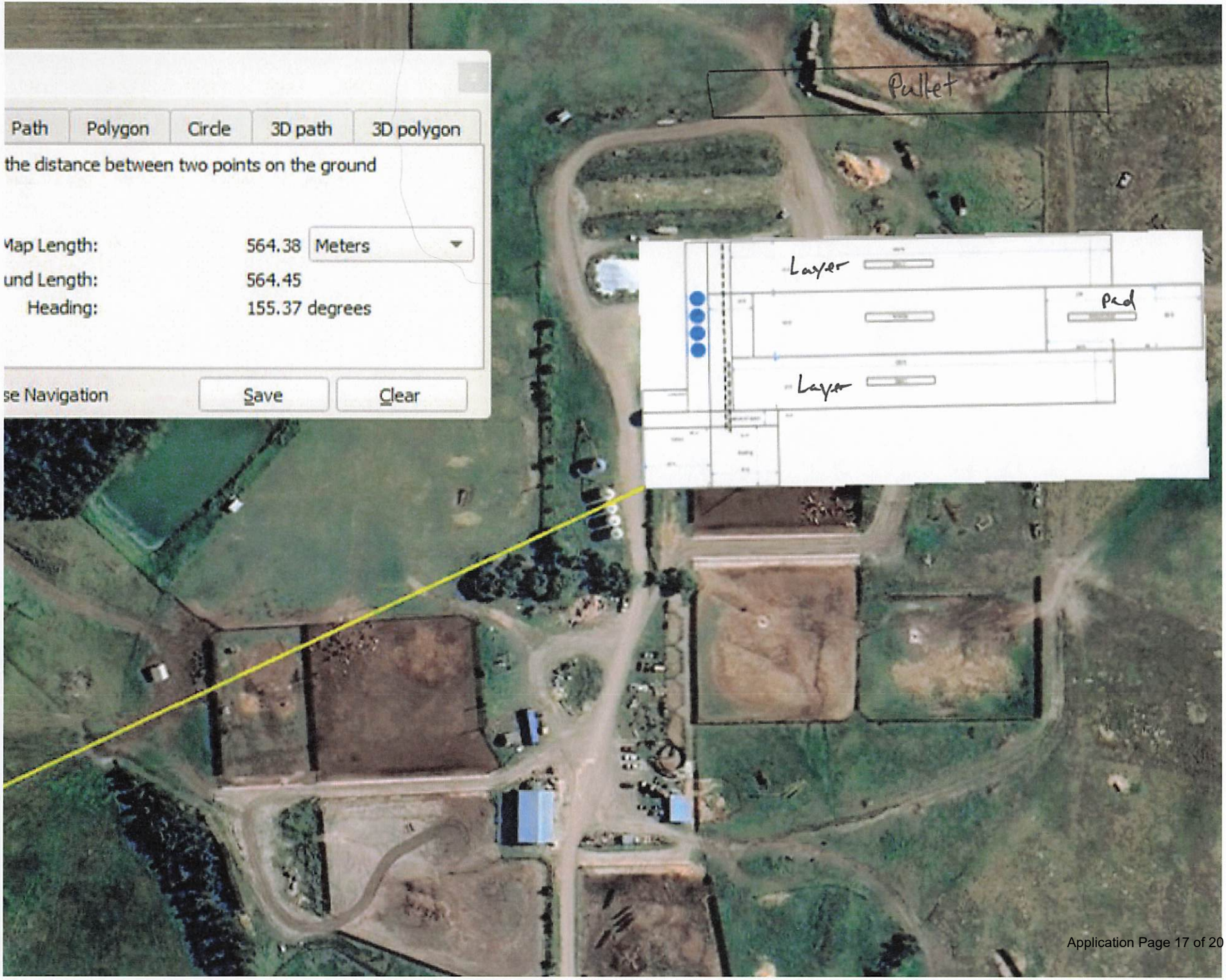
Measure the distance between two points o
Map Length:
566
Ground Length:
566
Heading:
43
Mouse Navigation


Path
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3D path
3D polygon
the distance between two points on the ground
Map Length:
564.38
Meters
ound Length:
564.45
Heading:
155.37 degrees
se Navigation
Save
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Pallet
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Part 2 — Technical Requirements

NRCB | Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner

*(complete a copy of this section for **EACH** barn, feedlot, and storage facility for solid manure, composting materials, or compost with a concrete liner)*

Facility description / name *(as indicated on site plan)*

4. Manure Storage

1. Layer x 2
2. Manure Storage
3. Pullet

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m^3)
1.	450ft (137m)	65ft (20m)		
2.	46m	24m		
3)	137m	20m	TOTAL CAPACITY	
4)	18m	24m		

☐ I plan to use a short-term solid manure storage (STMS) as part of my manure storage and handling plan for this CFO. The AOPA requirements for STMS are set out in the NRCB Short-Term Solid Manure Storage Requirements Fact Sheet.

Surface water control systems

Describe the run-on and runoff control system

Roof gutters direct run-off around facilities

Liner protection

Describe how the physical integrity of the liner will be maintained

Monitor for cracks, fix as needed

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO

Part 2 — Technical Requirements

NRCB Natural Resources Conservation Board

Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area and/or manure storage facility(ies)

SOLID MANURE, COMPOST, & COMPOSTING MATERIALS: Barns, feedlots, & storage facilities - Concrete liner (cont.)

Concrete liner details

Concrete thickness 6 inch	Method of sulphate protection: T50 or Similar
Concrete strength 25 mpa	Concrete reinforcement size and spacing 18 inch/oc

Concrete requirements can be found in Technical Guideline Agdex 096-93
Guideline minimums:
Solid manure: 25MPa (D)
Solid manure (wet): 30MPa (C)
Method of sulphate protection:
Type 50 or Type 10 with fly ash or equivalent

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO
Condition required: ☐ YES ☐ NO
Report attached: ☐ YES ☐ NO

Additional information *(attach as required)*

NRCB USE ONLY

Nine month manure storage volume requirements met ☐ YES ☐ YES With STMS ☐ NO

Depth to water table: _____ Requirements met: ☐ YES ☐ NO

Depth to Uppermost groundwater resource: _____ Requirements met: ☐ YES ☐ NO

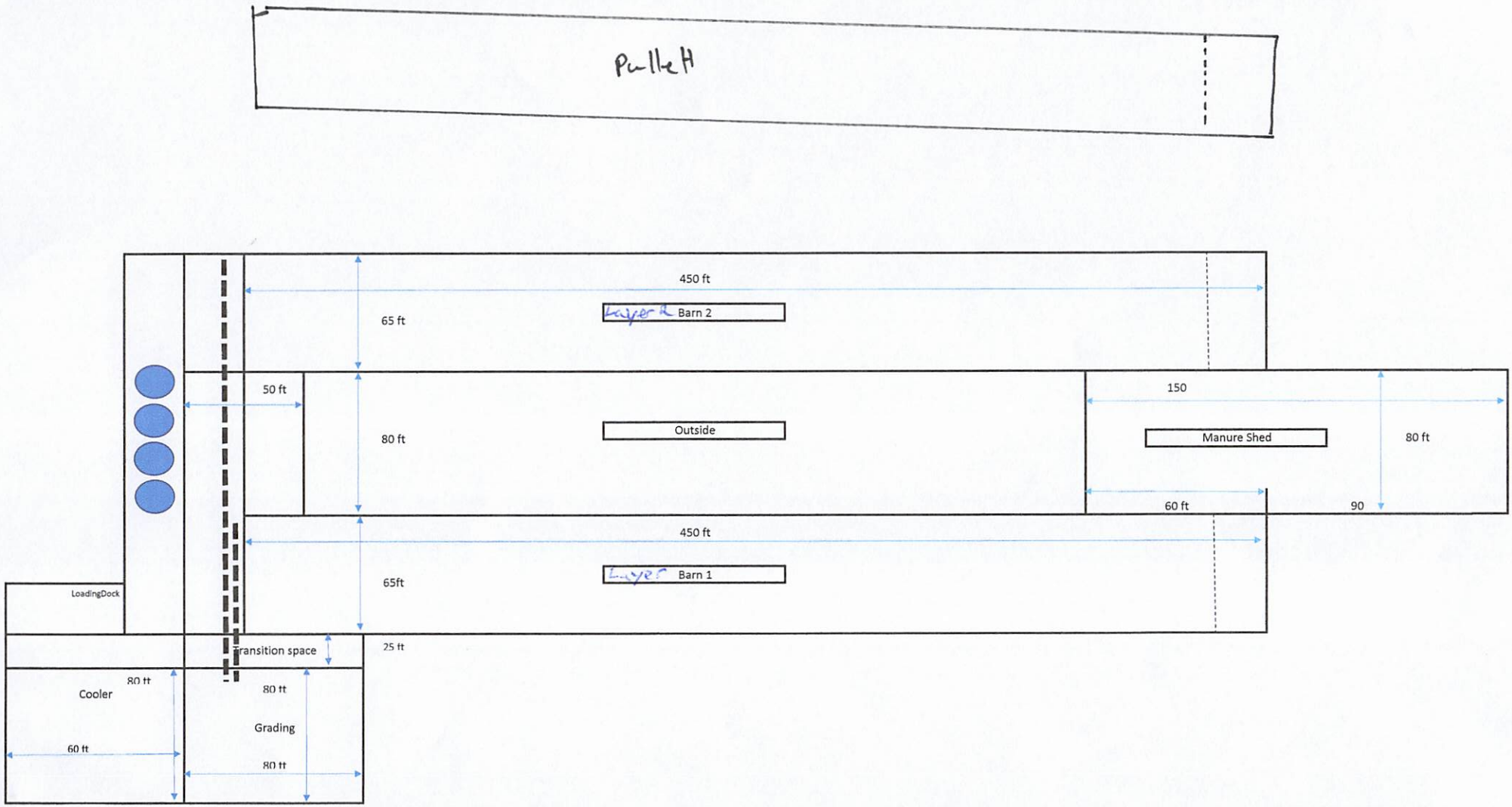
ERST completed: ☐ see ERST page for details

Surface water control systems

Requirements met: ☐ YES ☐ NO Details/comments:

Concrete liner details

Leakage detection system required: ☐ YES ☐ NO If yes, please explain why.


Pullet
450 ft
65 ft
Layer 2
Barn 2
50 ft
80 ft
Outside
150
Manure Shed
80 ft
60 ft
90
450 ft
65ft
Layer
Barn 1
LoadingDock
Transition space
25 ft
80 ft
Cooler
80 ft
Grading
60 ft
80 ft