

Technical Document BA24004



Part 2 – Technical Requirements

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
<input checked="" type="checkbox"/> Approval	<input type="checkbox"/> Registration	<input type="checkbox"/> Authorization	<input type="checkbox"/> Amendment
		BA24004	SE 27-61-3 W5M

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.

January 17, 2024

Date of signing
Tiemstra Poultry Ltd.



Signature
Benjamin Tiemstra

Corporate name (if applicable)

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) (length, width, and depth)
Proposed Barn	320' x 62'
Packing room	150 x 30

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Barn #1	250',42'	
Barn #2	252'x 40'	
Barn #3	250',40'	

NRCB USE ONLY

Confirmed, existing CFO. See Appendix to Approval BA24004

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

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

Construction completion date for proposed facilities Dec 31/26

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
Breeder layers	23612	10388	34,000
Breeder Pullets	13296	3704	17,000

Last updated September 11, 2023

Part 2 – Technical Requirements

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 _____

On town water

Signed this 25 day of January, 2024.

Signature of Applicant or Agent

Part 2 – Technical Requirements

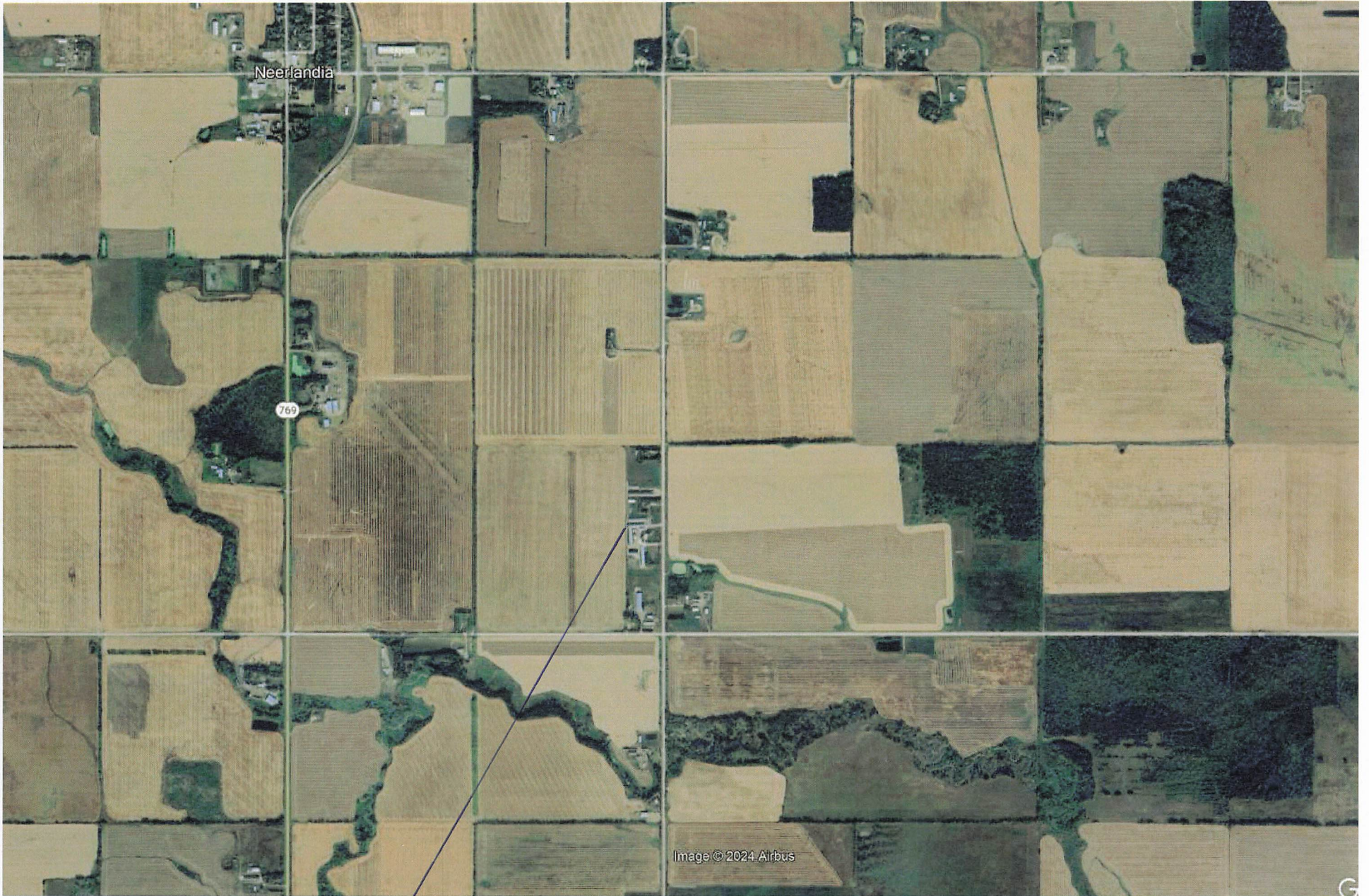
Application under the *Agricultural Operation Practices Act* for a confined feeding operation, manure collection area, and/or manure storage facility(ies)

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*).
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7. **Provide:** Water license number(s) or water conveyance agreement details _____

Signed this ____ day of _____, 20____.

Signature of Applicant or Agent



site

Applicant has purchased this property.



Part 2 – Technical Requirements

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: old layer barn Proposed 1: New barn

Proposed 2: _____ 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?	<input checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed, not in flood plain
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	None known
Surface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	4	4			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Wells are not located within 100 m of the proposed barn.
	What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)	>30M	>30M			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	358 m dugout from the proposed barn.
Groundwater information	What is the depth to the water table?		2.44M			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Meets requirements.
	What is the depth to the groundwater resource/aquifer you draw water from?	30.5	30.5			<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	Confirmed ID 373442

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

NRCB USE ONLY
ENVIRONMENTAL RISK SCREENING INFORMATION

ERST for proposed facilities

Facility	Groundwater score	Surface water score	File number
See BA24004 DS			

ERST for existing facilities

Facility	Groundwater score	Surface water score	File number
new lay barn	Low	Low	BA15002
manure storage pads	Low	Low	BA15002
existing barns	Low	Low	BA15002

ERST related comments:

NRCB USE ONLY
WATER WELL AND SURFACE WATER INFORMATION

Well IDs: ID 355058 ID 373441 ID 373442
 ID 492545 _____ _____

Surface water related concerns from directly affected parties or referral agencies: YES NO

Groundwater related concerns from directly affected parties or referral agencies: YES NO

Water wells N/A

If applicable, exemption for 100 m distance requirements applied: YES NO Condition required: YES NO

Surface water N/A

If applicable, exemption for 30 m distance requirements applied: YES NO Condition required: YES NO

Water Well Exemption Screening Tool N/A

Water Well ID	Preliminary Screening Score	Secondary Screening Score	Facility

Groundwater or surface water related comments:

Water Well Drilling Report

GIC Well ID 492545
 GoA Well Tag No.
 Drilling Company Well ID
 Date Report Received 1998/03/02

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.

Well Identification and Location										Measurement in Imperial	
Owner Name	Address				Town	Province	Country	Postal Code			
TIEMSTRA, KEVIN	NEERLANDIA										
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
SE	27	081	03	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)				Elevation _____ ft		
_____ ft from					Latitude <u>54.301419</u> Longitude <u>-114.358296</u>				How Elevation Obtained		
_____ ft from					How Location Obtained				Not Obtained		
					Not Verified						

Drilling Information		Type of Work
Method of Drilling	Rotary	New Well
Proposed Well Use	Domestic & Stock	

Formation Log			Measurement in Imperial
Depth from ground level (ft)	Water Bearing	Lithology Description	
85.00		Soft Clay	
258.00		Shale	
365.00		Sandstone	
380.00		Shale	

Yield Test Summary			Measurement in Imperial
Recommended Pump Rate	<u>4.00 igpm</u>		
Test Date	Water Removal Rate (igpm)	Static Water Level (ft)	
1998/11/18	4.50	90.00	

Well Completion				Measurement in Imperial
Total Depth Drilled	Finished Well Depth	Start Date	End Date	
380.00 ft		1998/11/14	1998/11/18	
Borehole				
Diameter (in)	From (ft)	To (ft)		
0.00	0.00	380.00		
Surface Casing (if applicable)		Well Casing/Liner		
Steel	Plastic			
Size OD : <u>5.56 in</u>	Size OD : <u>4.50 in</u>			
Wall Thickness : <u>0.188 in</u>	Wall Thickness : <u>0.250 in</u>			
Bottom at : <u>120.00 ft</u>	Top at : <u>80.00 ft</u>			
	Bottom at : <u>380.00 ft</u>			
Perforations				
From (ft)	To (ft)	Diameter or Slot Width (in)	Slot Length (in)	Hole or Slot Interval (in)
260.00	360.00	0.125		3.00
Perforated by Machine				
Annular Seal Driven				
Placed from <u>0.00 ft</u> to <u>260.00 ft</u>				
Amount _____				
Other Seals				
Type _____				At (ft) _____
Screen Type				
Size OD : <u>0.00 in</u>				
From (ft) _____		To (ft) _____		Slot Size (in) _____
Attachment _____				
Top Fittings _____		Bottom Fittings _____		
Pack				
Type _____		Grain Size _____		
Amount _____				

Contractor Certification		Certification No
Name of Journeymen responsible for drilling/construction of well	UNKNOWN NA DRILLER	1
Company Name	MAHAR, VERN DRILLING SERVICES	Copy of Well report provided to owner Date approval holder signed

Water Well Drilling Report

GIC Well ID 373442
 GoA Well Tag No.
 Drilling Company Well ID
 Date Report Received 1979/03/19

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.

Well Identification and Location										Measurement in Imperial	
Owner Name	Address				Town	Province	Country				Postal Code
TIEMSTRA, CLARENCE	P.O. BOX 34 NEERLANDIA										
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
01	27	061	03	5							
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)				Elevation		
_____ ft from					Latitude <u>54.299811</u> Longitude <u>-114.355205</u>				<u>2115.00</u> ft		
_____ ft from					How Location Obtained				How Elevation Obtained		
					Map				Estimated		

Additional Information										Measurement in Imperial	
Distance From Top of Casing to Ground Level _____ in											
Is Artesian Flow _____					Is Flow Control Installed _____						
Rate _____ igpm					Describe _____						
Recommended Pump Rate _____ 2.00 igpm					Pump Installed <u>Yes</u>					Depth _____ ft	
Recommended Pump Intake Depth (From TOC) _____ 240.00 ft					Type <u>SUB 230V</u> Make <u>26 STG</u> H.P. <u>.75</u>					Model (Output Rating) _____	
Did you Encounter Saline Water (>4000 ppm TDS) _____					Depth _____ ft Well Disinfected Upon Completion _____						
Gas _____					Depth _____ ft Geophysical Log Taken _____						
					Submitted to ESRD _____						
					Sample Collected for Potability _____					Submitted to ESRD <u>Yes</u>	
Additional Comments on Well _____											

Yield Test				Taken From Ground Level		Measurement in Imperial	
Test Date	Start Time	Static Water Level	Drawdown (ft)	Depth to water level	Elapsed Time	Recovery (ft)	
1978/11/05	12:00 AM	70.00 ft			Minutes:Sec		
Method of Water Removal							
Type <u>Air</u>							
Removal Rate _____ 2.00 igpm							
Depth Withdrawn From _____ 200.00 ft							
If water removal period was < 2 hours, explain why _____							

Water Diverted for Drilling		
Water Source	Amount Taken	Diverslon Date & Time
	ig	

Contractor Certification	
Name of Jourmeyman responsible for drilling/construction of well UNKNOWN NA DRILLER	Certification No 1
Company Name MEASURES, CLARK DRILLING	Copy of Well report provided to owner Date approval holder signed

Part 2 – Technical Requirements

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

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
① Ron & Charlene Hamoen	Lot 3 SE-27-61-3-W5	235M	Ag	Cat 1	235 m	Yes	Yes
② Keith Piers	SW-26-61-3-W5	170M	Ag	Cat 1	170 m	Yes	Yes
③ Elton Wierenga	NE 22-61-3-W5	801m	Ag	Cat 1	791 m		Yes
④ Adam Wierenga	NE 22-61-3-W5	996m	Ag	Cat 1	982 m		Yes
⑤ Henk Wierenga	NW 23-61-3-W5	738m	Ag	Cat 1	731 m		Yes
⑥ Jamie Terpsma	NE 27-61-3-W5	532m	Ag	Cat 1	532 m	Yes	Yes
Claus Lungveld	NW 26-61-3 W5	701m	Ag	Cat 1	717 m		Yes

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

Name of land owner(s)*	Legal land description	Usable area** (ha)	Soil zone ***	NRCB USE ONLY	
				Usable area (ha)	Agreement attached (if required)
Tiemstra Poultry Ltd.	SE-7-62-3-5	62.72	black		
Tiemstra Poultry Ltd.	NE-23-60-5	54.63	grey		
Tiemstra Poultry Ltd.	SW-8-62-3-5	30.35			
	SW 35-62-3 W5	64.7			
Total				211 ha	

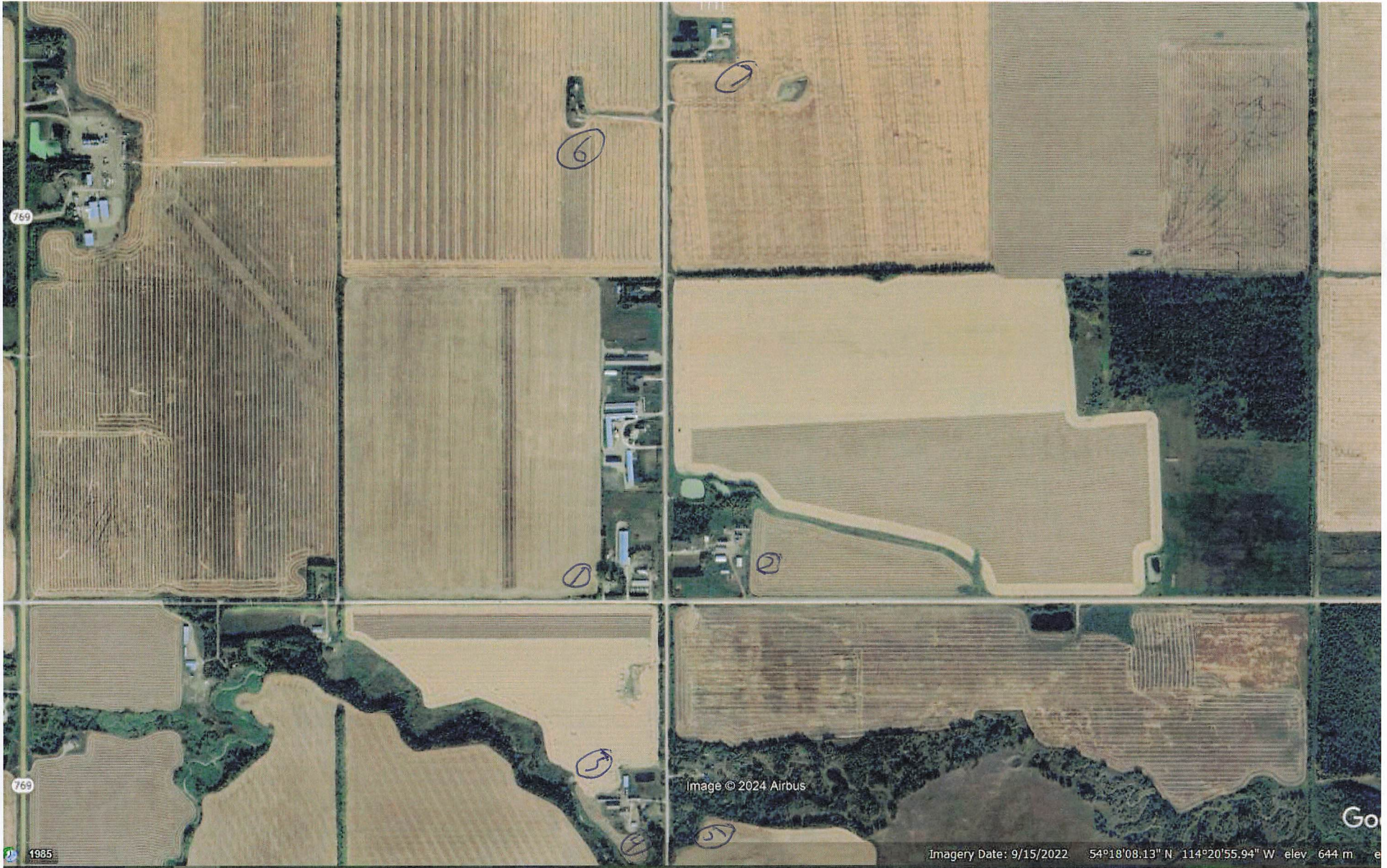
* If you are **not** the registered landowner, you must attach copies of land use agreements signed by all landowners.

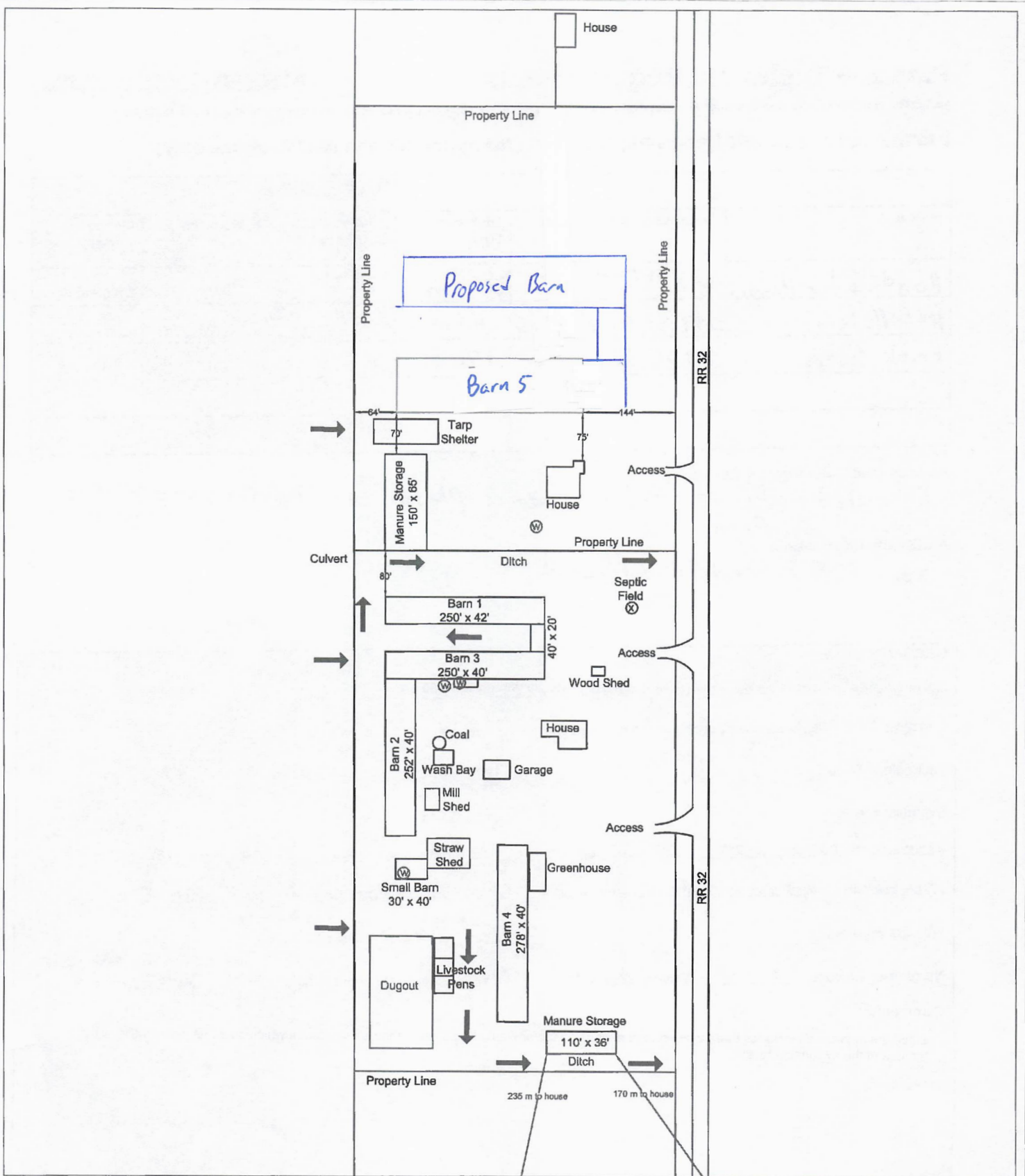
** Available manure spreading area (excluding setback areas from residences, common bodies of water, water wells, etc. as identified in Agdex 096-5 [Manure Spreading Regulations](#))

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

Additional information (attach any additional information as required)

MDS





SCALE Not to Scale
DATE April 27, 2015

PURPOSE NRCB Application

TITLE Timestra Poultry Ltd. Site Plan SE 27-61-3-W5

Minimum Distance Separation (MDS) Waiver (declaration)

Applicant information

NRCB application number: BA24004

Operator/operation name: Tiemstra Poultry Ltd.

Address: 61412 Rge Rd 32

Postal Code: T0G 1R2

Legal land location of confined feeding operation: SE 27-61-3-W5

I have requested the residence owner(s) named below to waive the required minimum distance separation (MDS) to their residence for the *Agricultural Operation Practices Act* (AOPA) permit application identified above. In making this request, I have provided the owner(s) with an opportunity to review my permit application and a copy of the Natural Resources Conservation Board (NRCB) Fact Sheet "Minimum Distance Separation (MDS) Waivers" available on the NRCB website at www.nrcb.ca. I have also explained:

- The MDS requirement set out in section 3 of the Standards and Administration Regulation of AOPA. I have advised the owner(s) that section 3(6)(a) of the Standards and Administration Regulation allows this requirement to be waived by the owners of residences, if they agree in writing to grant a waiver;
- That my proposed development does not meet the required MDS to the owner's residence; and,
- That this waiver applies only to this application as described. An increase in livestock capacity, annual manure production, level of odour production, change to the site plan or change to a facility that would increase the MDS would require a new waiver.

Following is a summary of the proposed development:

- The current scope of my confined feeding operation (CFO), including the type, number, and category of livestock, if any, is:

Present capacity is 23612 Broiler Breeder layers and 13296 broiler breeder pullets

- My application for a new AOPA permit proposes the following changes to the existing livestock category, type and/or capacity at my CFO:

proposed to add 10388 broiler breeder layers and 3704 pullets.

for a total of 34,000 Broiler Breeder layers and 17,000 pullets

- The proposed new CFO facility(ies), or changes to the existing CFO facilities, including manure storage, manure storage volume and any other pertinent details, if any, are (attach a site layout plan if available):

I the applicant understand that the waiver is not valid unless ALL registered owners of the residence sign this document.

Permit Applicant: 

Signature

Date: January 25/24

Residence owner(s) to initial: CH. RH

Minimum Distance Separation (MDS) Waiver (declaration)

Residence owner(s) information

ALL Names on land title: Ron + Charlene Hamoen

Legal land location of residence(s): SE-27-61-5 W5M

Telephone number(s)¹: [REDACTED] Email address(es)¹: [REDACTED]

Address(es)¹ and Postal code(s)¹: 3204 Top Rd 614 TOG 1R2
County of Barrhead

¹ Please note that personal contact information is for NRCB use ONLY and not publicly released

I am/we are the legal landowner(s) of a residence(s) located at the above noted legal land location/address:

- I/we have read the NRCB Fact Sheet "Minimum Distance Separation (MDS) Waivers";
- I/we have discussed this application with the applicant and understand its potential impacts to our residence(s);
- I/we understand that the application **does not** meet the MDS requirement to my/our residence(s), under the *Agricultural Operation Practices Act (AOPA)*;
- **I/we understand that this waiver is not valid unless signed by ALL parties identified on the land title as owners;**
- **I/we are not obligated to waive the MDS requirement to our residence(s);**
- I/we understand that if I/we choose to waive the MDS requirement, I/we can revoke the waiver, by providing written notice to the NRCB approval officer, as set out in the "Minimum Distance Separation (MDS) Waivers" Fact Sheet; and
- I/we understand that this waiver is a public document.

Having considered my/our rights, I/we hereby waive the MDS requirement to my/our residence, with respect to

Application number BA24004

[REDACTED SIGNATURES]

Signatures of all residence owner(s) on title

Ron + Charlene Hamoen
Printed names of all residence owner(s) on title

Date: Jan 24 2024

Minimum Distance Separation (MDS) Waiver (declaration)

Applicant information

NRCB application number: BA24004

Operator/operation name: Tiemstra Poultry Ltd.

Address: 61412 Rge Rd 32

Postal Code: T0G 1R2

Legal land location of confined feeding operation: SE 27-61-3-W5

I have requested the residence owner(s) named below to waive the required minimum distance separation (MDS) to their residence for the *Agricultural Operation Practices Act* (AOPA) permit application identified above. In making this request, I have provided the owner(s) with an opportunity to review my permit application and a copy of the Natural Resources Conservation Board (NRCB) Fact Sheet "Minimum Distance Separation (MDS) Waivers" available on the NRCB website at www.nrcb.ca. I have also explained:

- The MDS requirement set out in section 3 of the Standards and Administration Regulation of AOPA. I have advised the owner(s) that section 3(6)(a) of the Standards and Administration Regulation allows this requirement to be waived by the owners of residences, if they agree in writing to grant a waiver;
- That my proposed development does not meet the required MDS to the owner's residence; and,
- That this waiver applies only to this application as described. An increase in livestock capacity, annual manure production, level of odour production, change to the site plan or change to a facility that would increase the MDS would require a new waiver.

Following is a summary of the proposed development:

- The current scope of my confined feeding operation (CFO), including the type, number, and category of livestock, if any, is:
Present capacity is 23612 Broiler Breeder layers and 13296 broiler breeder pullets
- My application for a new AOPA permit proposes the following changes to the existing livestock category, type and/or capacity at my CFO:
proposed to add 10388 broiler breeder layers and 3704 pullets.
for a total of 34,000 Broiler Breeder layers and 17,000 pullets
- The proposed new CFO facility(ies), or changes to the existing CFO facilities, including manure storage, manure storage volume and any other pertinent details, if any, are (attach a site layout plan if available):

I the applicant understand that the waiver is not valid unless ALL registered owners of the residence sign this document.

Permit Applicant: 

Signature

Date: Jan 27, 2024

Residence owner(s) to initial: K.P

Minimum Distance Separation (MDS) Waiver (declaration)

Residence owner(s) information

ALL Names on land title:

Keith Luis

Legal land location of residence(s):

SW-26-61-3405

Telephone number(s):

Email address(es):

Address(es)¹ and Postal code(s)¹:

61403 range road 32 County of Berkeley
TDG-1R2

¹ Please note that personal contact information is for NRCB use ONLY and not publicly released

I am/we are the legal landowner(s) of a residence(s) located at the above noted legal land location/address:

- I/we have read the NRCB Fact Sheet "Minimum Distance Separation (MDS) Waivers";
- I/we have discussed this application with the applicant and understand its potential impacts to our residence(s);
- I/we understand that the application **does not** meet the MDS requirement to my/our residence(s), under the *Agricultural Operation Practices Act (AOPA)*;
- **I/we understand that this waiver is not valid unless signed by ALL parties identified on the land title as owners;**
- **I/we are not obligated to waive the MDS requirement to our residence(s);**
- I/we understand that if I/we choose to waive the MDS requirement, I/we can revoke the waiver, by providing written notice to the NRCB approval officer, as set out in the "Minimum Distance Separation (MDS) Waivers" Fact Sheet; and
- I/we understand that this waiver is a public document.

Having considered my/our rights, I/we hereby waive the MDS requirement to my/our residence, with respect to

Application number BA24004

Signatures of all residence owner(s) on title

Keith Piers

Printed names of all residence owner(s) on title

Date:

Jan 27/24

NRCB USE ONLY

MINIMUM DISTANCE SEPARATION

Methods used to determine distance (if applicable): Google earth

Margin of error (if applicable): n/a

Requirements (m): Category 1: 313 m Category 2: 418 m Category 3: 522 m Category 4: 835 m

Technology factor: YES NO

Expansion factor: YES NO

MDS related concerns from directly affected parties or referral agencies: YES NO

LAND BASE FOR MANURE AND COMPOST APPLICATION

Land base required: 194 ha

Land base listed: 211 ha

Area not suitable: unsuitable removed

Available area 211 ha

Requirement met: YES NO

Land spreading agreements required: YES NO

Manure management plan: YES NO

If yes, plan is attached:

PLANS

Submitted and attached construction plans: YES NO

Submitted aerial photos: YES NO

Submitted photos: YES NO

GRANDFATHERING

Already completed: YES NO N/A

If already completed, see Approval BA15002

NRCB USE ONLY
ALL SIGNATURES IN FILE
 YES NO

DATES OF APPROVAL OFFICER SITE VISITS

January 25, 2024	

CORRESPONDENCE WITH MUNICIPALITIES AND REFERRAL AGENCIES

 Date deeming letters sent: March 26, 2024
Municipality: County of Barrhead
 letter sent
 response received
 written/email
 verbal
 no comments received

Alberta Health Services: N/A
 letter sent
 response received
 written/email
 verbal
 no comments received

Alberta Environment and Parks: N/A

 letter sent
 response received
 written/email
 verbal
 no comments received

Alberta Transportation: N/A

 letter sent
 response received
 written/email
 verbal
 no comments received

Alberta Regulatory Services: N/A

 letter sent
 response received
 written/email
 verbal
 no comments received

Other: _____ N/A

 letter sent
 response received
 written/email
 verbal
 no comments received

Other: _____ N/A

 letter sent
 response received
 written/email
 verbal
 no comments received

Part 2 – Technical Requirements

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) **1.** New barn
2. _____

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.	97.536	18.8976	0	
2.				
TOTAL CAPACITY				solid manure storage pads and STMS available.

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
Under Roof and direct flow from site

Liner protection

Describe how the physical integrity of the liner will be maintained
Monitor for cracks and repair if needed

NRCB USE ONLY
 Requirements met: YES NO

Part 2 – Technical Requirements

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 5"	Method of sulphate protection: type 50 or equivalent
Concrete strength 25mpa	Concrete reinforcement size and spacing 15" o/c 10mm

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: > 2 m Requirements met: YES NO

Depth to Uppermost groundwater resource: 30.5 m Requirements met: YES NO

ERST completed: see ERST page for details

Surface water control systems

Requirements met: YES NO Details/comments:

Concrete liner details

Applicant to provide documentation confirming concrete information.

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

Natasha Harink
ph: 780 305-8310
em: harteccarpentry@gmail.com

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ALL DIMENSIONS AND INFORMATION ON THESE DRAWINGS IS TO BE VERIFIED BY THE CONTRACTOR/OWNER

ENGINEERING AND SPECIFICATIONS FOR TRUSSES AND FLOOR SYSTEMS TO BE SUPPLIED BY VENDORS

ALL FRAMING LUMBER TO BE #2 OR BETTER KD SPT U.O.N.

PROJECT TITLE

**TIEMSTRA POULTRY LTD.
NEW BARN**

61408 RGE RD 32
COUNTY OF BARRHEAD, AB
TOG 1R2

PROJECT NO. 2401

ISSUES

#	M/D/Y	DESCRIPTION
1	02/04/2024	ISSUED FOR REVIEW

THIS ISSUE

ISSUED FOR REVIEW
MARCH 07, 2024

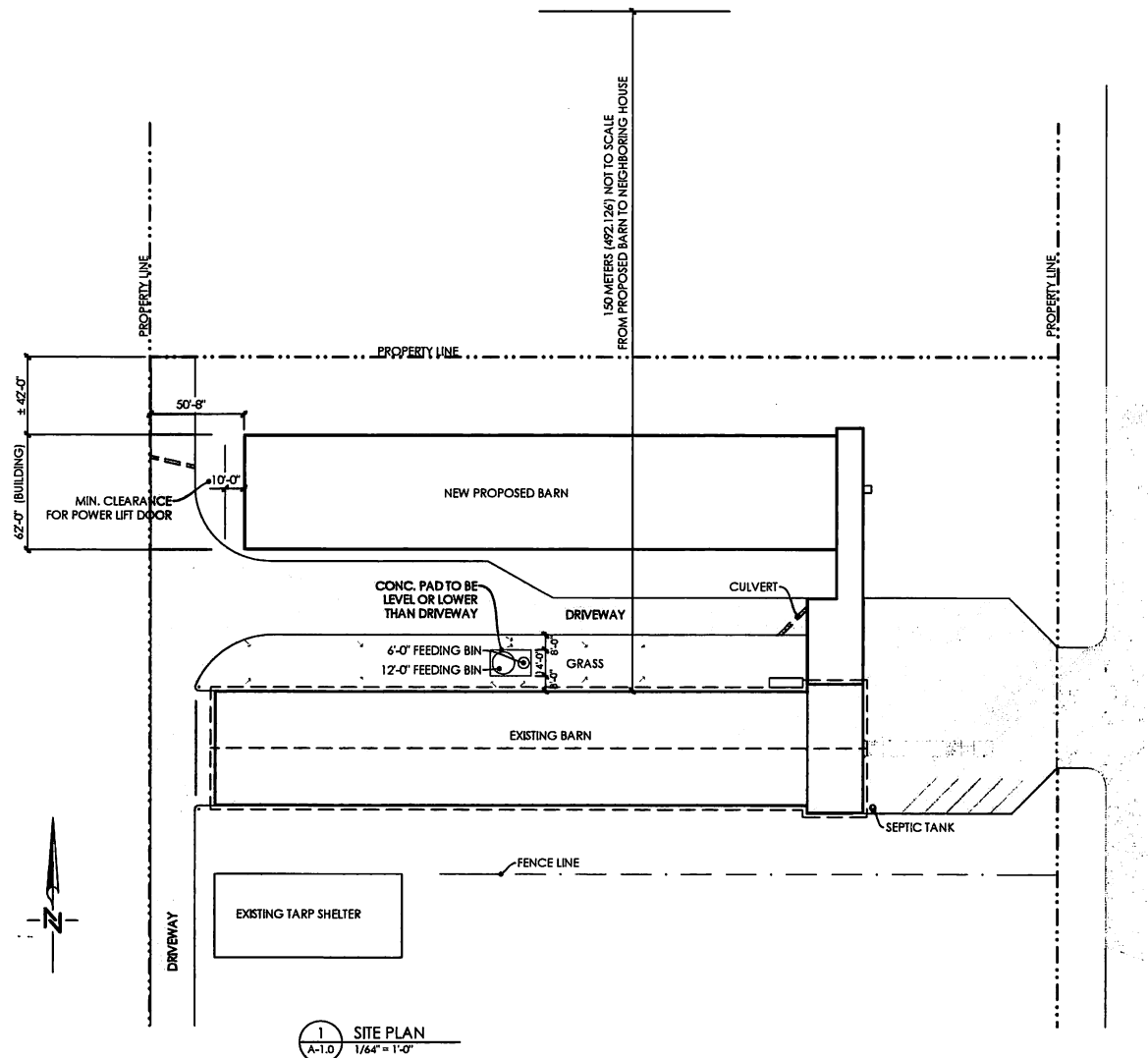
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DRAWING TITLE

SITE PLAN

DRAWING NO.

A-1.0



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PROJECT TITLE

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NEW BARN

61408 RGE RD 32
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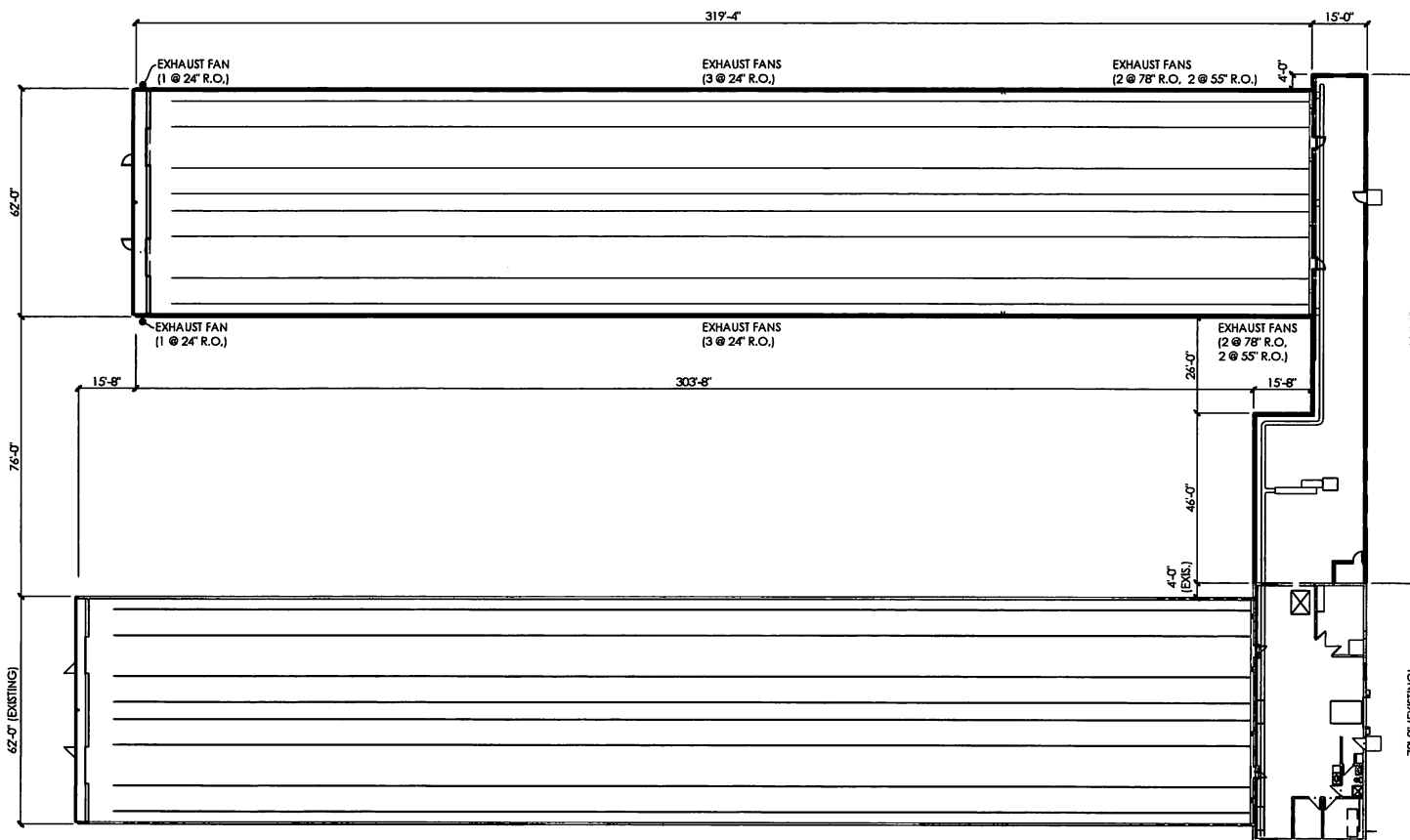
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DRAWING TITLE

FLOOR PLAN

DRAWING NO.

A-2.2



1 FLOOR PLAN
A-2.2 1/32" = 1'-0"

Natasha Harink
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PROJECT TITLE
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NEW BARN**

61408 RGE RD 32
COUNTY OF BARRHEAD, AB
TOG 1R2

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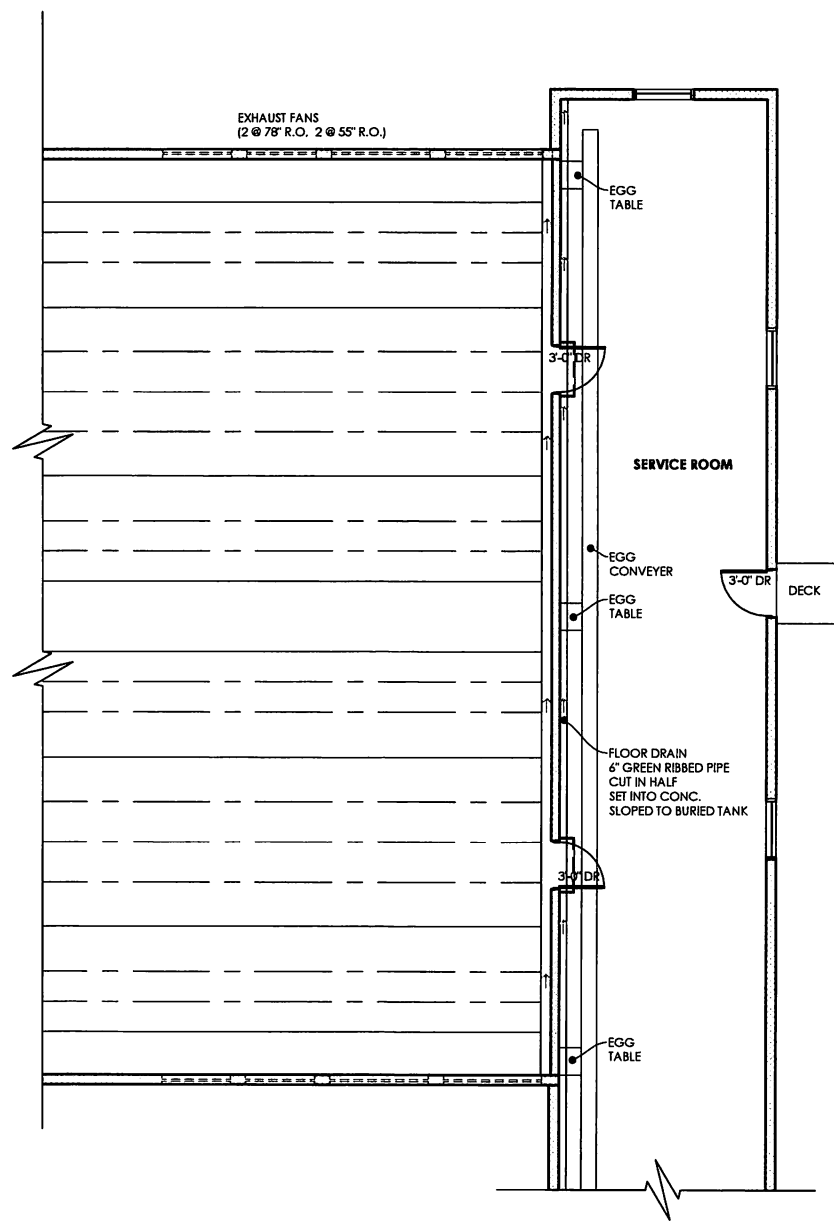
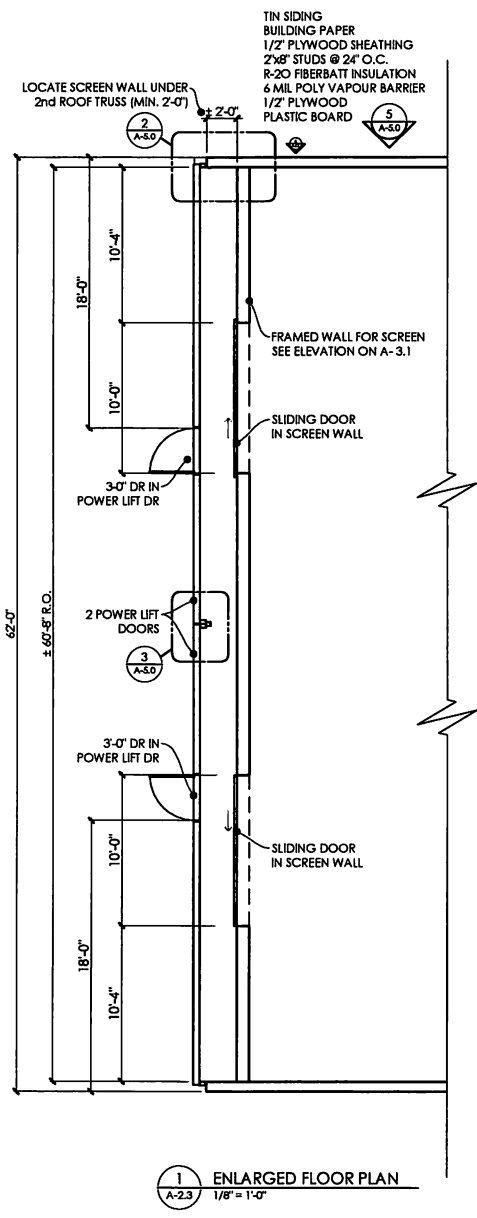
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DRAWING TITLE
**ENLARGED
FLOOR PLAN**

DRAWING NO.
A-2.3



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PROJECT TITLE

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NEW BARN

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COUNTY OF BARRHEAD, AB
T0G 1R2

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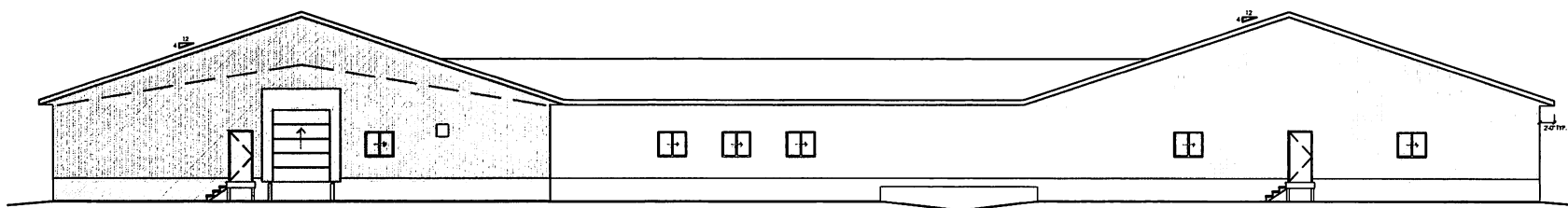
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DRAWING TITLE

ELEVATIONS

DRAWING NO.

A-3.0



2 EAST ELEVATION
A-3.0 1/8" = 1'-0"