

## 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

☒ Approval ☐ Registration ☐ Authorization  
☐ Amendment

Application number

LA25009

Legal land description

SW-36-010-15 W4

### 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.

9/4/2025

Date of signing

Pastink Pork Ltd

Corporate name (if applicable)

Signed digitally by Mathys Pastink

Signature

Mathys Pastink

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)<br>(length, width, and depth) |
|---|--|
| Lagoon: Earthen Manure Storage (Modified) | 120 x 70 x 8                                 |
| Finishing Barn: Barn                      | 165 x 70 x 1                                 |
| Nursery Ban: Barn                         | 100 x 30 x 1                                 |
|   |  |
|   |  |

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

| Existing facilities            | Dimensions (m)<br>(length, width, and depth) | NRCB USE ONLY |
|--------------------------------|--|---------------|
| Lagoon: Earthen Manure Storage | 113 x 45 x 5                                 |               |
| Hog barn: Barn                 | 100 x 100 x 1                                |               |
|                                |  |               |

### NRCB USE ONLY



| SITE PLAN LEGEND |                    |
|------------------|--------------------|
| [Symbol]         | EXISTING BUILDING  |
| [Symbol]         | PROPOSED BUILDING  |
| [Symbol]         | EXISTING DRIVE     |
| [Symbol]         | PROPOSED DRIVE     |
| [Symbol]         | EXISTING LOT LINE  |
| [Symbol]         | PROPOSED LOT LINE  |
| [Symbol]         | EXISTING FENCE     |
| [Symbol]         | PROPOSED FENCE     |
| [Symbol]         | EXISTING ROAD      |
| [Symbol]         | PROPOSED ROAD      |
| [Symbol]         | EXISTING DRAINAGE  |
| [Symbol]         | PROPOSED DRAINAGE  |
| [Symbol]         | EXISTING UTILITIES |
| [Symbol]         | PROPOSED UTILITIES |
| [Symbol]         | EXISTING LANDSCAPE |
| [Symbol]         | PROPOSED LANDSCAPE |

- NOTES CONCERNING BUILDING LOCATION**
1. PROPOSED BUILDING TO BE ADDED TO EXISTING CONSTRUCTION OF ANY UNKNOWING FEATURES ON THE ON THE ADJACENT SITE THAT MAY AFFECT THE PROPOSED BUILDING LOCATION.
  2. THE PROPOSED BUILDING TO BE ADDED TO EXISTING CONSTRUCTION OF ANY UNKNOWING FEATURES ON THE ON THE ADJACENT SITE THAT MAY AFFECT THE PROPOSED BUILDING LOCATION.
  3. ANY BUILDINGS THAT SHOW THE LOCATION OF EXISTING FEATURES ARE APPROXIMATE ONLY AND ARE TO BE CONFIRMED BEFORE CONSTRUCTION.
  4. LANDSCAPING IS SUBJECT TO CHANGE.



1 Site Plan  
A101 1:200

Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

Pastink Pok Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                   | DATE       |
|-----|-------------------------------|------------|
| 1   | ISSUED FOR PRELIMINARY REVIEW | 2025-08-12 |
| 2   | REVISION                      |            |

|             |                        |
|-------------|------------------------|
| Project No: | A25480                 |
| Date:       | 2025-08-12 12:53:03 PM |
| Drawn by:   | DA                     |
| Checked by: | DA                     |
| Sheet Name: |                        |

Site Plan  
Overall

**A101**



## 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)

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 1/10/1996, 6/14/2028

### Additional information

AO Comment: Applicant is proposing to complete construction of the proposed finishing barn, nursery barn, and earthen manure storage (EMS) expansion by June 14, 2028.

**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<br>(Available in the Schedule 2 of the Part 2 Matters Regulation)   | Permitted number  | Proposed increase or decrease in number<br>(if applicable) | Total  |       |   |     |     |      |  |  |  |
|---|---|--|--|-------|---|-----|-----|------|--|--|--|
| <table border="1"> <tr> <th>Livestock category and type<br/>(Available in the Schedule 2 of the Part 2 Matters Regulation)</th><th>Permitted livestock numbers</th><th>Proposed increase or decrease in number<br/>(if applicable)</th><th>Total</th></tr> <tr> <td>Swine Liquid ("count sows only") - Farrow to finish * Swine Liquid ("count sows only") - Farrow to finish *</td><td>650</td><td>850</td><td>1500</td></tr> </table> | Livestock category and type<br>(Available in the Schedule 2 of the Part 2 Matters Regulation) | Permitted livestock numbers                                | Proposed increase or decrease in number<br>(if applicable) | Total | Swine Liquid ("count sows only") - Farrow to finish * Swine Liquid ("count sows only") - Farrow to finish * | 650 | 850 | 1500 |  |  |  |
| Livestock category and type<br>(Available in the Schedule 2 of the Part 2 Matters Regulation)   | Permitted livestock numbers   | Proposed increase or decrease in number<br>(if applicable) | Total  |       |   |     |     |      |  |  |  |
| Swine Liquid ("count sows only") - Farrow to finish * Swine Liquid ("count sows only") - Farrow to finish *   | 650   | 850  | 1500   |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
| AO Comment: Animal numbers pulled from Part 1 application, proposed total livestock has not changed.  |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |
|   |   |  |  |       |   |     |     |      |  |  |  |

## 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 \_\_\_\_\_  
Licence No 00137816-00-00 SMRID agreement 24 acre-feet

Signed this 22 day of July, 2025.

Signed digitally by Mathys Pastink

\_\_\_\_\_  
*Signature of Applicant or Agent*

## Part 2 — Technical Requirements

### **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*



## 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: Hog barn

Proposed 1: Lagoon

Proposed 2: Finishing Barn

Proposed 3: Nursery Barn

| Facility and environmental risk information |   | Facilities   |  |  |  | NRCB USE ONLY   |          |
|---|---|--|--|--|--|---|----------|
|   |   | Existing   | Proposed 1   | Proposed 2   | Proposed 3   | Meets requirements  | Comments |
| Flood plain<br>Surface water<br>Groundwater | Flood plain<br>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 type="checkbox"/> > 1 m<br><input type="checkbox"/> ≤ 1 m | <input type="checkbox"/> > 1 m<br><input type="checkbox"/> ≤ 1 m | <input type="checkbox"/> > 1 m<br><input type="checkbox"/> ≤ 1 m | <input type="checkbox"/> > 1 m<br><input type="checkbox"/> ≤ 1 m | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> YES with exemption |          |
|   | How many springs are within 100 m of the manure storage facility or manure collection area?   | 0  | 0  | 0  | 0  | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> YES with exemption |          |
|   | How many water wells are within 100 m of the manure storage facility or manure collection area?   | 0  | 0  | 0  | 0  | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> 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)                             | 1000   | 1080   | 1800   | 1800   | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> YES with exemption |          |
|   | What is the depth to the water table?   | 30   | 30   | 13.5   | 13.5   | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> YES with exemption |          |
|   | What is the depth to the groundwater resource/aquifer you draw water from?  | 30   | 30   | 13.5   | 13.5   | <input type="checkbox"/> YES <input type="checkbox"/> NO<br><input type="checkbox"/> YES with exemption |          |

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

## 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)

### 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) |
| Pedro & Susanna Dyck | SE 2-11-15 W4          | 2100         |                       |                    |              |                               |
| Opsterlawn Farms Ltd | NE 23-10-15 W4         | 1700         |                       |                    |              |                               |
| Opsterlawn Farms Ltd | NW 23-10-15 W4         | 1900         |                       |                    |              |                               |
|                      |                        |              |                       |                    |              |                               |
|                      |                        |              |                       |                    |              |                               |

### 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) |
| Pastink Pork Ltd       | SE-35-10-15-W4         | 52                 | Irrigated     |                  |                                  |
| Mathys Pastink         | NE-35-10-15-W4         | 56                 | Irrigated     |                  |                                  |
| Pastink Pork Ltd       | SW-1-11-15-W4          | 52                 | Irrigated     |                  |                                  |
| 260209 ABLtd           | Sec 7-11-14W4          | 222                | Irrigated     |                  |                                  |
| 260209 ABLtd           | NE 1-11-15 W4          | 56                 | Irrigated     |                  |                                  |
| 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)**

**AO Comment:** See attached manure spreading agreements for additional land available for manure application.



# Pastink Pork

SW 36-10-15 W4

Google Earth

Image © 2025 Airbus



Application LA25009 Page 8 of 31

2 km





**Manure Spreading Agreement**

This agreement is between Pastink Pork Ltd, manure producer, and  
Mathys Pastink manure receiver.

Length of agreement: This agreement is valid for a time period of 20 years.  
(minimum of one year)

| Legal land location | Soil type <sup>1</sup> | Acres suitable for manure spreading <sup>2</sup> |
|---------------------|------------------------|--|
| NE-35-10-15 W4      | irrigated              | <del>140</del> 160                               |
|                     |                        |  |
|                     |                        |  |
|                     |                        |  |
|                     |                        |  |
|                     |                        |  |

<sup>1</sup> Soil type choices: Dark brown and brown, Grey wooded, Black, Irrigated.

<sup>2</sup> 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-36-10-15-W4

July 22/25  
Date of signing

  
Signature

Mathys  
Print name

Pastink Pork Ltd  
Corporate name(if appl)

**Manure Receiver – Landowner(s)<sup>3</sup>**

July 22/25  
Date of signing

  
Signature

Mathys.  
Print name

\_\_\_\_\_  
Corporate name(if appl)

\_\_\_\_\_  
Date of signing

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Print name

\_\_\_\_\_  
Corporate name(if appl)

<sup>3</sup> All registered owners of land, or authorized signing authorities must sign.

**Manure Spreading Agreement**

This agreement is between Pastink Pork Ltd, manure producer, and  
260209 AB LTD manure receiver.

Length of agreement: This agreement is valid for a time period of 10 yrs  
(minimum of one year)

| Legal land location | Soil type <sup>1</sup> | Acres suitable for manure spreading <sup>2</sup> |
|---------------------|------------------------|--|
| NE1-11-15           | Irrigated              | 140  |
| SW7-11-14           | Irrigated              | 150  |
| NW2-11-14           | Irrigated              | 130  |
| NE7-11-14           | Irrigated              | 140  |
| SE7-11-14           | Irrigated              | 130  |
| NE12-11-15          | Irrigated              | 140  |

<sup>1</sup> Soil type choices: Dark brown and brown, Grey wooded, Black, Irrigated.

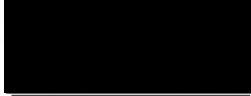
<sup>2</sup> Land within required setbacks from water bodies, water wells, residences, etc. is not to be included.

Other comments:

Manure producer (Confined Feeding Operation) Legal Land Location SW-36-10-15-W4

July 14/25  Mathys Pastink Pastink Pork Ltd  
Date of signing Signature Print name Corporate name(if appl)

Manure Receiver – Landowner(s)<sup>3</sup>

July 14/25  Eric Stolk 260209 AB LTD  
Date of signing Signature Print name Corporate name(if appl)

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

<sup>3</sup> All registered owners of land, or authorized signing authorities must sign.



### Manure Spreading Agreement

This agreement is between Pastink Pock Ltd, manure producer, and  
Windland Farms, manure receiver.

Length of agreement: This agreement is valid for a time period of 10 years  
(minimum of one year)


| Legal land location | Soil type <sup>1</sup> | Acres suitable for manure spreading <sup>2</sup> |
|---------------------|------------------------|--|
| SE 2-11-15          | Irrigated              | 130 ac   |
| NE 34-10-15         | Irrigated              | 130 ac   |
| NW 34-10-15         | Irrigated              | 150 ac   |
| SW 12-11-15         | Irrigated              | 140 ac   |
| SW 2-11-15          | Irrigated              | 150 ac   |
|                     |                        | 700 acre   |

<sup>1</sup> Soil type choices: Dark brown and brown, Grey wooded, Black, Irrigated.

<sup>2</sup> 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-36-10-15 W4

June 23/25  Mathys Pordish  
Date of signing \_\_\_\_\_ Print name \_\_\_\_\_ Corporate name(if appl) \_\_\_\_\_

Manure Receiver – Landowner(s)<sup>3</sup>

June 23/25  Kevin Wind Windland Farms  
Date of signing \_\_\_\_\_ Signature \_\_\_\_\_ Print name \_\_\_\_\_ Corporate name(if appl) \_\_\_\_\_

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

<sup>3</sup> All registered owners of land, or authorized signing authorities must sign.

Name **Fastlink Pork Ltd**  
Address   
Legal Land   
Location **SW 36-10-15 W4**

# MDS Spreadsheet based on 2006 AOPA Regulations

| Category of Livestock              | Type of Livestock   | Factor A | Technology Factor | MU    | LSU Factor | Number of Animals | LSU     |
|------------------------------------|---|----------|-------------------|-------|------------|-------------------|---------|
| Feedlot Animals                    | Beef Cows/Finishers (900+ lbs)  | 0.700    | 0.700             | 0.910 | 0.4459     |                   | -       |
|                                    | Beef Feeders (450 - 900 lbs)  | 0.700    | 0.700             | 0.500 | 0.2450     |                   | -       |
|                                    | Beef Feeder Calves (<550 lbs)   | 0.700    | 0.700             | 0.275 | 0.1348     |                   | -       |
|                                    | Horses - PMU  | 0.650    | 0.700             | 1.000 | 0.4550     |                   | -       |
|                                    | Horses - Feeders > 750 lbs  | 0.650    | 0.700             | 1.000 | 0.4550     |                   | -       |
|                                    | Horses - Foals < 750 lbs  | 0.650    | 0.700             | 0.300 | 0.1365     |                   | -       |
|                                    | Mules   | 0.600    | 0.700             | 1.000 | 0.4200     |                   | -       |
|                                    | Donkeys   | 0.600    | 0.700             | 0.670 | 0.2814     |                   | -       |
|                                    | Bison   | 0.600    | 0.700             | 1.000 | 0.4200     |                   | -       |
| Dairy (*count lactating cows only) | Free Stall - Lactating Cows with all associated dries, heifers, and calves* | 0.800    | 1.100             | 2.000 | 1.7600     |                   | -       |
|                                    | Free Stall - Lactating Cows with Dry Cows only*                             | 0.800    | 1.100             | 1.640 | 1.4432     |                   | -       |
|                                    | Free Stall - Lactating Cows only  | 0.800    | 1.100             | 1.400 | 1.2320     |                   | -       |
|                                    | Tie Stall - Lactating Cows only   | 0.800    | 1.000             | 1.400 | 1.1200     |                   | -       |
|                                    | Loose Housing - Lactating Cows only   | 0.800    | 1.000             | 1.400 | 1.1200     |                   | -       |
|                                    | Dry Cow   | 0.800    | 0.700             | 1.000 | 0.5600     |                   | -       |
|                                    | Replacements - Bred Heifers (Breeding to Calving)                           | 0.800    | 0.700             | 0.875 | 0.4900     |                   | -       |
|                                    | Replacements - Growing Heifers (350 lbs to breeding)                        | 0.800    | 0.700             | 0.525 | 0.2940     |                   | -       |
|                                    | Calves (< 350 lbs)  | 0.800    | 0.700             | 0.200 | 0.1120     |                   | -       |
| Swine Liquid (*count sows only)    | Farrow to finish *  | 2.000    | 1.100             | 1.780 | 3.9160     | 1,300             | 5,874.0 |
|                                    | Farrow to wean *  | 2.000    | 1.100             | 0.670 | 1.4740     |                   | -       |
|                                    | Farrow only *   | 2.000    | 1.100             | 0.530 | 1.1660     |                   | -       |
|                                    | Feeders/Boars   | 2.000    | 1.100             | 0.200 | 0.4400     |                   | -       |
|                                    | Growers/Roasters  | 2.000    | 1.100             | 0.118 | 0.2600     |                   | -       |
|                                    | Weaners   | 2.000    | 1.100             | 0.055 | 0.1210     |                   | -       |
|                                    |   |          |                   |       |            |                   | -       |
| Swine Solid (*Count sows only)     | Farrow to finish *  | 2.000    | 0.800             | 1.780 | 2.8480     |                   | -       |
|                                    | Farrow to wean *  | 2.000    | 0.800             | 0.670 | 1.0720     |                   | -       |
|                                    | Farrow only *   | 2.000    | 0.800             | 0.530 | 0.8480     |                   | -       |
|                                    | Feeders/Boars   | 2.000    | 0.800             | 0.200 | 0.3200     |                   | -       |
|                                    | Growers/Roasters  | 2.000    | 0.800             | 0.118 | 0.1888     |                   | -       |
|                                    | Weaners   | 2.000    | 0.800             | 0.055 | 0.0880     |                   | -       |
|                                    |   |          |                   |       |            |                   | -       |
| Poultry                            | Chicken - Breeders - Solid  | 1.000    | 0.700             | 0.010 | 0.0070     |                   | -       |
|                                    | Chicken - Layers - Liquid (includes associated pullets)                     | 2.000    | 1.100             | 0.008 | 0.0176     |                   | -       |
|                                    | Chicken - Layers - (Belt Cage)  | 2.000    | 0.700             | 0.008 | 0.0112     |                   | -       |
|                                    | Chicken - Layers - (Deep Pit)   | 2.000    | 0.700             | 0.008 | 0.0112     |                   | -       |
|                                    | Chicken - Pullets/Broilers  | 1.000    | 0.700             | 0.002 | 0.0014     |                   | -       |
|                                    | Turkey - Toms/Breeders  | 1.000    | 0.700             | 0.020 | 0.0140     |                   | -       |
|                                    | Turkey - Hens (light)   | 1.000    | 0.700             | 0.013 | 0.0091     |                   | -       |
|                                    | Turkey - Broilers   | 1.000    | 0.700             | 0.010 | 0.0070     |                   | -       |
|                                    | Ducks   | 1.000    | 0.700             | 0.010 | 0.0070     |                   | -       |
|                                    | Geese   | 1.000    | 0.700             | 0.020 | 0.0140     |                   | -       |
| Sheep and Goats                    | Sheep - Ewes/Rams   | 0.600    | 0.700             | 0.200 | 0.0840     |                   | -       |
|                                    | Sheep - Ewes with lambs   | 0.600    | 0.700             | 0.250 | 0.1050     |                   | -       |
|                                    | Sheep - Lambs   | 0.600    | 0.700             | 0.050 | 0.0210     |                   | -       |
|                                    | Sheep - Feeders   | 0.600    | 0.700             | 0.100 | 0.0420     |                   | -       |
|                                    | Goats - Meat/Milk (per Ewe)   | 0.700    | 0.700             | 0.170 | 0.0833     |                   | -       |
|                                    | Goats - Nannies/Billies   | 0.700    | 0.700             | 0.140 | 0.0686     |                   | -       |
|                                    | Goats - Feeders   | 0.700    | 0.700             | 0.077 | 0.0377     |                   | -       |
| Cervid                             | Elk   | 0.600    | 0.700             | 0.600 | 0.2520     |                   | -       |
|                                    | Deer  | 0.600    | 0.700             | 0.200 | 0.0840     |                   | -       |
| Wild Boar                          | Feeders   | 2.000    | 0.800             | 0.140 | 0.2240     |                   | -       |
|                                    | Sow (farrowing)   | 2.000    | 0.800             | 0.371 | 0.5936     |                   | -       |

Total 5,874.0

## For New Operations

Dispersion Factor **1**

| Category | Odour Objective | Distance |        |
|----------|-----------------|----------|--------|
|          |                 | Feet     | Metres |
| 1        | 41.04           | 3,198    | 975    |
| 2        | 54.72           | 4,264    | 1,300  |
| 3        | 68.4            | 5,330    | 1,624  |
| 4        | 109.44          | 8,528    | 2,599  |

## For Expanding Operations

Dispersion Factor **1**  
Expansion Factor **0.77**

| Category | Odour Objective | Distance |        |
|----------|-----------------|----------|--------|
|          |                 | Feet     | Metres |
| 1        | 41.04           | 2,462    | 751    |
| 2        | 54.72           | 3,283    | 1,001  |
| 3        | 68.40           | 4,104    | 1,251  |
| 4        | 109.44          | 6,566    | 2,001  |



Name Pastink Pork Ltd  
Address  
Legal Land  
Location SW 36-10-15 W4

0

**Landbase Requirements (hectares) based on 2006 AOPA requirements**

| Category of Livestock                 | Type of Livestock   | Number of Animals | Dark Brown & Brown (ha) | Grey Wooded (ha) | Black (ha) | Irigated (ha) |
|---------------------------------------|---|-------------------|-------------------------|------------------|------------|---------------|
| Feedlot Animals                       | Cows/Finishers (900+ lbs)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Feeders (450 - 900 lbs)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Feeder Calves (<550 lbs)  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Horses - PMU  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Horses - Feeders > 750 lbs  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Horses - Foals < 750 lbs  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Mules   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Donkeys   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Bison   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
| Dairy<br>(*count lactating cows only) | Free Stall - Lactating Cows with all associated dries, heifers, and calves* | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Free Stall - Lactating Cows with Dry Cows only *                            | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Free Stall - Lactating Cows only*   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Tie Stall - Lactating Cows only   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Loose Housing - Lactating Cows only   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Dry Cow (Solid manure)  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Dry Cow (Liquid manure)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Replacements - Bred Heifers (Breeding to Calving)                           | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Replacements - Growing Heifers (350 lbs to breeding)                        | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Calves (< 350 lbs)  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
|                                       |   | 0.0               |                         |                  |            |               |
| Swine Liquid<br>(*count sows only)    | Farrow to finish *  | 1500.0            | 1002.6                  | 835.5            | 626.7      | 501.3         |
|                                       | Farrow to wean *  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Farrow only *   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Feeders/Boars   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Growers/Roasters  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Weaners   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
| Swine Solid<br>(*Count sows only)     | Farrow to finish *  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Farrow to wean *  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Farrow only *   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Feeders/Boars   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Growers/Roasters  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Weaners   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
| Poultry                               | Chicken - Breeders - Solid  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Chicken - Layers - Liquid (includes associated pullets)                     | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Chicken - Layers - (Belt Cage)  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Chicken - Layers - (Deep Pit)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Chicken - Pullets/Broilers  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Turkey - Toms/Breeders  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Turkey - Hens (light)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Turkey - Broilers   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Ducks   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Geese   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
|                                       |   | 0.0               |                         |                  |            |               |
| Goats and Sheep                       | Sheep - Ewes/Rams   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Sheep - Ewes with lambs   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Sheep - Lambs   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Sheep - Feeders   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Goats - Meat/Milk (per Ewe)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Goats - Nannies/Billies   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Goats - Feeders   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
| Cervid                                | Elk   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Deer  | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
| Wild Boar                             | Feeders   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       | Sow (farrowing)   | 0.0               | 0.0                     | 0.0              | 0.0        | 0.0           |
|                                       |   | 0.0               |                         |                  |            |               |
| Total Hectares                        |   | 1,003             | 835.5                   | 626.7            | 501.3      |               |
| Total Acres                           |   | 2,477             | 2064.5                  | 1548.6           | 1238.7     |               |

## 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)

### LIQUID MANURE COLLECTION AND/OR STORAGE: In-barn - Concrete liner

(complete a copy of this section for **EACH** proposed in-barn liquid manure storage facility with a concrete liner)

Facility description / name (as indicated on site plan)

1. Finishing Barn
2. Nursery Ban
- 3.

Manure storage capacity (use one row in the table for **EACH** in-barn storage. Attach additional pages if you require more rows)

|                | Length (m) | Width (m) | Total depth (m) | Depth below ground level (m) | <b>NRCB USE ONLY</b><br>Calculated storage capacity (m <sup>3</sup> ) |
|----------------|------------|-----------|-----------------|------------------------------|---|
| 1.             | 165        | 70        | 1               | 1                            |   |
| 2.             | 100        | 30        | 1               | 1                            |   |
| 3.             |            |           |                 |                              |   |
| TOTAL CAPACITY |            |           |                 |                              |   |

#### Concrete liner details

|  |  |   |   |  |
|--|--|---|---|--|
| Scrape alleys or unslatted portions of barn floors (if applicable) | Concrete thickness<br>6"<br>6"                             |   | Method of sulphate protection<br>type 50<br>type 50                                 |  |
|  | Concrete strength<br>32mpa at 28 days<br>32 mpa at 28 days |   | Concrete reinforcement size and spacing<br>12mm with 12" spacing<br>10mm 12"spacing |  |
| In-barn manure pit floors  | Concrete thickness<br>6"<br>6"                             |   | Method of sulphate protection<br>type 50<br>type 50                                 |  |
|  | Concrete strength<br>32mpa at 28 days<br>32 mpa at 28 days |   | Concrete reinforcement size and spacing<br>12mm 12" spacing<br>10mm 12" spacing     |  |
| In-barn manure pit walls   | Concrete thickness<br>12"<br>12"                           |   | Method of sulphate protection<br>type 50<br>type 50                                 |  |
|  | Concrete strength<br>32mpa at 28 days<br>32 mpa at 28 days | Horizontal reinforcement size and spacing<br>12mm 10"center<br>12mm 10" spacing | Vertical reinforcement size and spacing<br>15mm 18'center<br>15mm 18 "spacing       |  |



## 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)

### LIQUID MANURE COLLECTION AND/OR STORAGE: In-barn - Concrete liner (cont.)

Describe how the joints at the junction of the pit walls, pit floors and any other joints will be sealed  
seal with a water stop  
seal with water stop

Describe sealing practices for piping, etc. that penetrates the liner  
concrete poured around pipe  
pour around pipe

Concrete requirements can be found in Technical Guideline Agdex 096-93

Guideline minimums:

Solid manure: 25MPa (D)

Solid manure (wet): 30MPa (C)

Liquid manure: 32MPa (B)

Category A is required to be engineered

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

#### Additional information

#### NRCB USE ONLY

Liquid manure storage volume calculator attached: ☐ YES ☐ 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

#### Concrete liner requirements

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

# Pastink Pork Ltd.



Taber, Alberta

Hog Barn

Architect

Stamp

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

Pastink Pork Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| Sheet | Sheet Name                    | Current |
|-------|-------------------------------|---------|
| A000  | Index                         | B       |
| A001  | Building Area                 | B       |
| A002  | Site Plan Overall             | A       |
| A003  | Foundation                    | B       |
| A004  | First Floor Overall           | B       |
| A005  | Second Floor Overall          | B       |
| A006  | Roofing Floor Plan - Enlarged | A       |
| A007  | Roofing Floor Plan - Enlarged | A       |
| A008  | Roofing Floor Plan - Enlarged | A       |
| A009  | Roofing Floor Plan - Enlarged | A       |
| A010  | Roofing Floor Plan - Enlarged | A       |
| A011  | Roofing Floor Plan - Enlarged | A       |
| A012  | Roofing Floor Plan - Enlarged | A       |
| A013  | Roofing Floor Plan - Enlarged | A       |
| A014  | Roofing Floor Plan - Enlarged | A       |
| A015  | Roofing Floor Plan - Enlarged | A       |
| A016  | Roofing Floor Plan - Enlarged | A       |
| A017  | Roofing Floor Plan - Enlarged | A       |
| A018  | Roofing Floor Plan - Enlarged | A       |
| A019  | Roofing Floor Plan - Enlarged | A       |
| A020  | Roofing Floor Plan - Enlarged | A       |
| A021  | Roofing Floor Plan - Enlarged | A       |
| A022  | Roofing Floor Plan - Enlarged | A       |
| A023  | Roofing Floor Plan - Enlarged | A       |
| A024  | Roofing Floor Plan - Enlarged | A       |
| A025  | Roofing Floor Plan - Enlarged | A       |
| A026  | Roofing Floor Plan - Enlarged | A       |
| A027  | Roofing Floor Plan - Enlarged | A       |
| A028  | Roofing Floor Plan - Enlarged | A       |
| A029  | Roofing Floor Plan - Enlarged | A       |
| A030  | Roofing Floor Plan - Enlarged | A       |
| A031  | Roofing Floor Plan - Enlarged | A       |
| A032  | Roofing Floor Plan - Enlarged | A       |
| A033  | Roofing Floor Plan - Enlarged | A       |
| A034  | Roofing Floor Plan - Enlarged | A       |
| A035  | Roofing Floor Plan - Enlarged | A       |
| A036  | Roofing Floor Plan - Enlarged | A       |
| A037  | Roofing Floor Plan - Enlarged | A       |
| A038  | Roofing Floor Plan - Enlarged | A       |
| A039  | Roofing Floor Plan - Enlarged | A       |
| A040  | Roofing Floor Plan - Enlarged | A       |
| A041  | Roofing Floor Plan - Enlarged | A       |
| A042  | Roofing Floor Plan - Enlarged | A       |
| A043  | Roofing Floor Plan - Enlarged | A       |
| A044  | Roofing Floor Plan - Enlarged | A       |
| A045  | Roofing Floor Plan - Enlarged | A       |
| A046  | Roofing Floor Plan - Enlarged | A       |
| A047  | Roofing Floor Plan - Enlarged | A       |
| A048  | Roofing Floor Plan - Enlarged | A       |
| A049  | Roofing Floor Plan - Enlarged | A       |
| A050  | Roofing Floor Plan - Enlarged | A       |
| A051  | Roofing Floor Plan - Enlarged | A       |
| A052  | Roofing Floor Plan - Enlarged | A       |
| A053  | Roofing Floor Plan - Enlarged | A       |
| A054  | Roofing Floor Plan - Enlarged | A       |
| A055  | Roofing Floor Plan - Enlarged | A       |
| A056  | Roofing Floor Plan - Enlarged | A       |
| A057  | Roofing Floor Plan - Enlarged | A       |
| A058  | Roofing Floor Plan - Enlarged | A       |
| A059  | Roofing Floor Plan - Enlarged | A       |
| A060  | Roofing Floor Plan - Enlarged | A       |
| A061  | Roofing Floor Plan - Enlarged | A       |
| A062  | Roofing Floor Plan - Enlarged | A       |
| A063  | Roofing Floor Plan - Enlarged | A       |
| A064  | Roofing Floor Plan - Enlarged | A       |
| A065  | Roofing Floor Plan - Enlarged | A       |
| A066  | Roofing Floor Plan - Enlarged | A       |
| A067  | Roofing Floor Plan - Enlarged | A       |
| A068  | Roofing Floor Plan - Enlarged | A       |
| A069  | Roofing Floor Plan - Enlarged | A       |
| A070  | Roofing Floor Plan - Enlarged | A       |
| A071  | Roofing Floor Plan - Enlarged | A       |
| A072  | Roofing Floor Plan - Enlarged | A       |
| A073  | Roofing Floor Plan - Enlarged | A       |
| A074  | Roofing Floor Plan - Enlarged | A       |
| A075  | Roofing Floor Plan - Enlarged | A       |
| A076  | Roofing Floor Plan - Enlarged | A       |
| A077  | Roofing Floor Plan - Enlarged | A       |
| A078  | Roofing Floor Plan - Enlarged | A       |
| A079  | Roofing Floor Plan - Enlarged | A       |
| A080  | Roofing Floor Plan - Enlarged | A       |
| A081  | Roofing Floor Plan - Enlarged | A       |
| A082  | Roofing Floor Plan - Enlarged | A       |
| A083  | Roofing Floor Plan - Enlarged | A       |
| A084  | Roofing Floor Plan - Enlarged | A       |
| A085  | Roofing Floor Plan - Enlarged | A       |
| A086  | Roofing Floor Plan - Enlarged | A       |
| A087  | Roofing Floor Plan - Enlarged | A       |
| A088  | Roofing Floor Plan - Enlarged | A       |
| A089  | Roofing Floor Plan - Enlarged | A       |
| A090  | Roofing Floor Plan - Enlarged | A       |
| A091  | Roofing Floor Plan - Enlarged | A       |
| A092  | Roofing Floor Plan - Enlarged | A       |
| A093  | Roofing Floor Plan - Enlarged | A       |
| A094  | Roofing Floor Plan - Enlarged | A       |
| A095  | Roofing Floor Plan - Enlarged | A       |
| A096  | Roofing Floor Plan - Enlarged | A       |
| A097  | Roofing Floor Plan - Enlarged | A       |
| A098  | Roofing Floor Plan - Enlarged | A       |
| A099  | Roofing Floor Plan - Enlarged | A       |
| A100  | Roofing Floor Plan - Enlarged | A       |

DRAWING INDEX

| Project No. | A35480                 |
|-------------|------------------------|
| Date        | 2023-09-01 12:54:37 PM |
| Drawn By    | EA                     |
| Checked By  | EA                     |
| Sheet Name  |                        |

Index

**A000**

Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

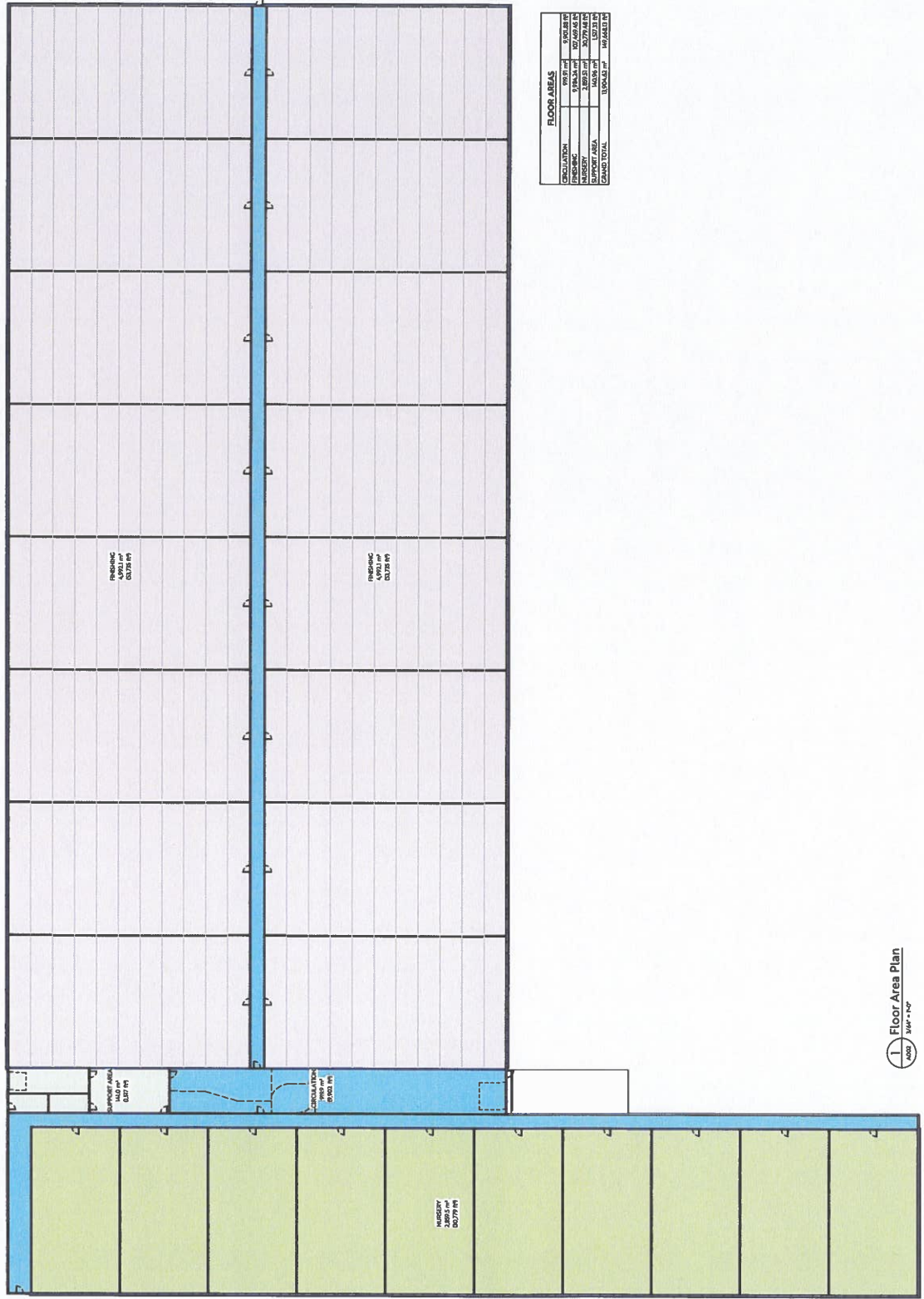
Pastink Pork Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                   | DATE       |
|-----|-------------------------------|------------|
| 1   | ISSUED FOR PRELIMINARY REVIEW | 2025-09-02 |
| 2   | ISSUED FOR PRELIMINARY REVIEW | 2025-09-02 |

Project No: A3540  
Date: 2025-09-02 13:54:30 PM  
Drawn by: BA  
Checked by: K.  
Sheet Name:

Building Areas

**A002**



| FLOOR AREAS  |              |
|--------------|--------------|
| CIRCULATION  | 992.81 m²    |
| HUSKERY      | 2,895.5 m²   |
| STORAGE AREA | 140.2 m²     |
| FINISHING    | 4,970.8 m²   |
| SUPPORT AREA | 140.09 m²    |
| GRAND TOTAL  | 10,049.42 m² |

1 Floor Area Plan  
3/4" = 1'-0"



Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

Pastink Pok Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                   | DATE       |
|-----|-------------------------------|------------|
| 1   | ISSUED FOR PRELIMINARY REVIEW | 2022-09-01 |

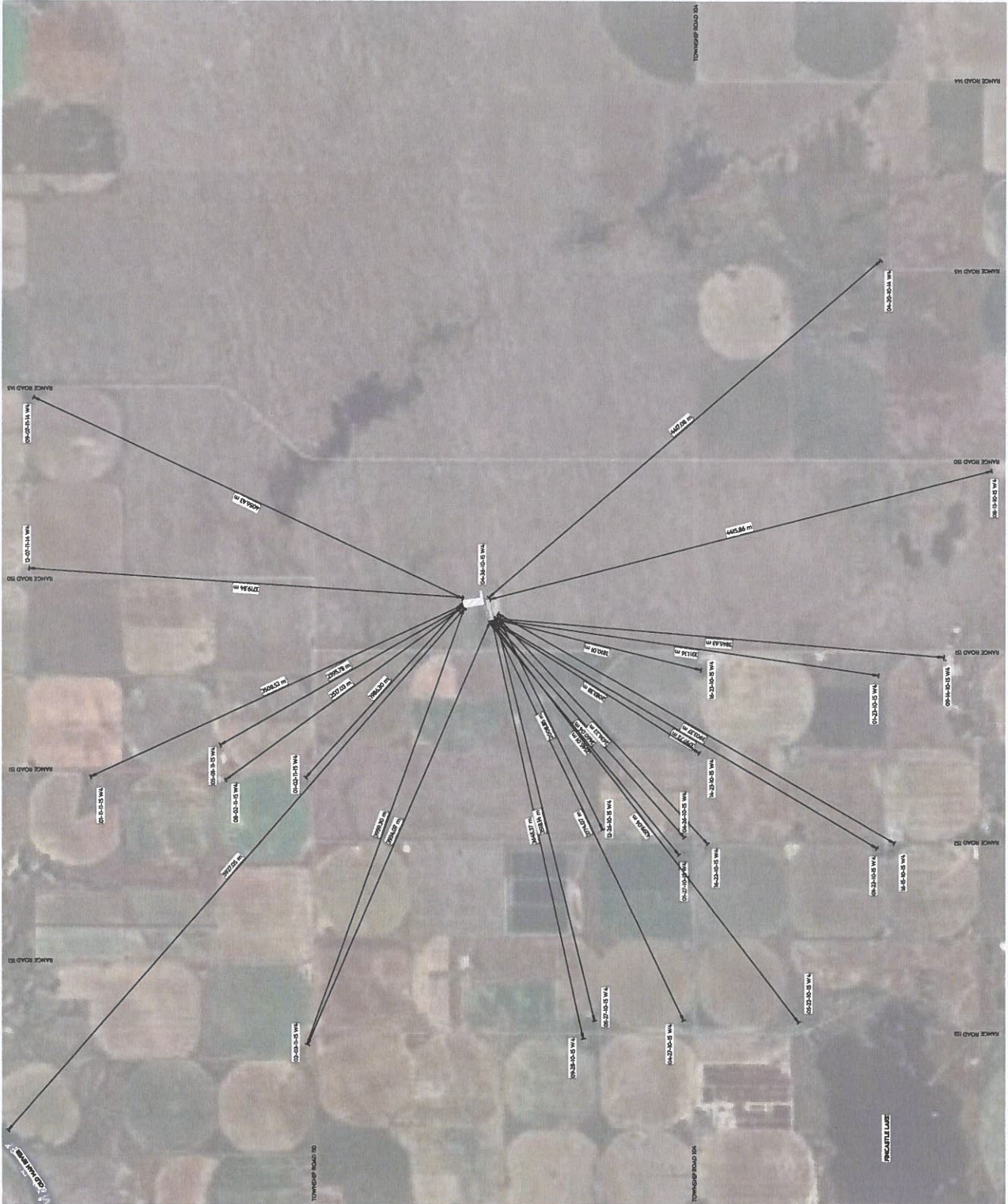
Project No: A2580  
Date: 2022-09-01 12:00 PM  
Drawn By: J.A.  
Checked By: J.A.  
Sheet Name:

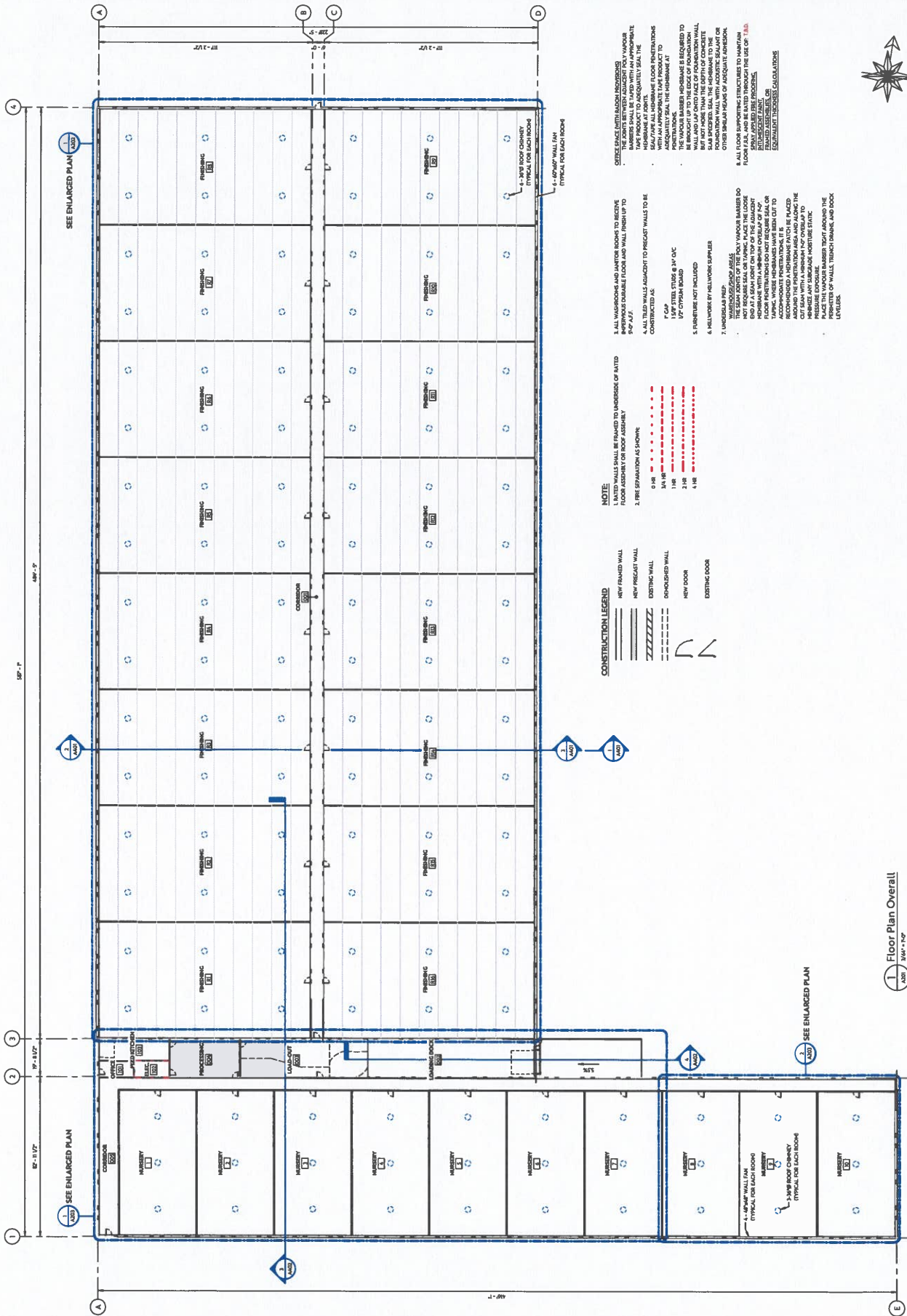
Setback Plan

**A102**



1 Setback Plan  
A102  
1:5000







Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

Pastink Pork Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                   | DATE       |
|-----|-------------------------------|------------|
| 1   | ISSUED FOR PRELIMINARY REVIEW | 2025-09-02 |
| 2   | ISSUED FOR PRELIMINARY REVIEW | 2025-09-02 |

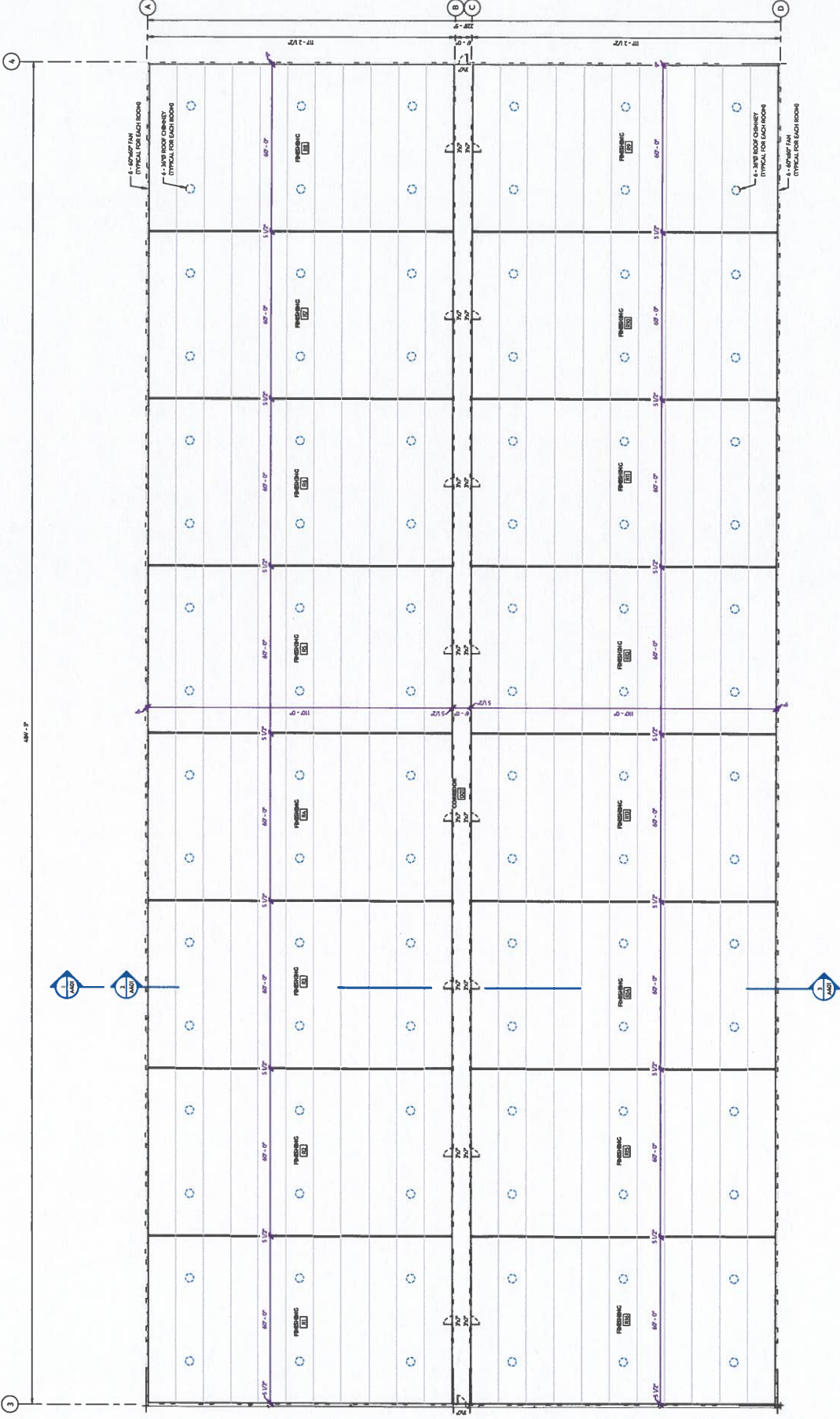
Project No: A25009  
Drawn by: J.A.  
Checked by: J.A.  
Sheet Volume: 2

Finishing Floor Plan -  
Enlarged

**A202**



1 Finishing Floor Plan - Enlarged  
1/8" = 1'-0"



NOT TO SCALE - ALL DIMENSIONS ARE APPROXIMATE. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT. THE ARCHITECT ASSUMES NO RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.



Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

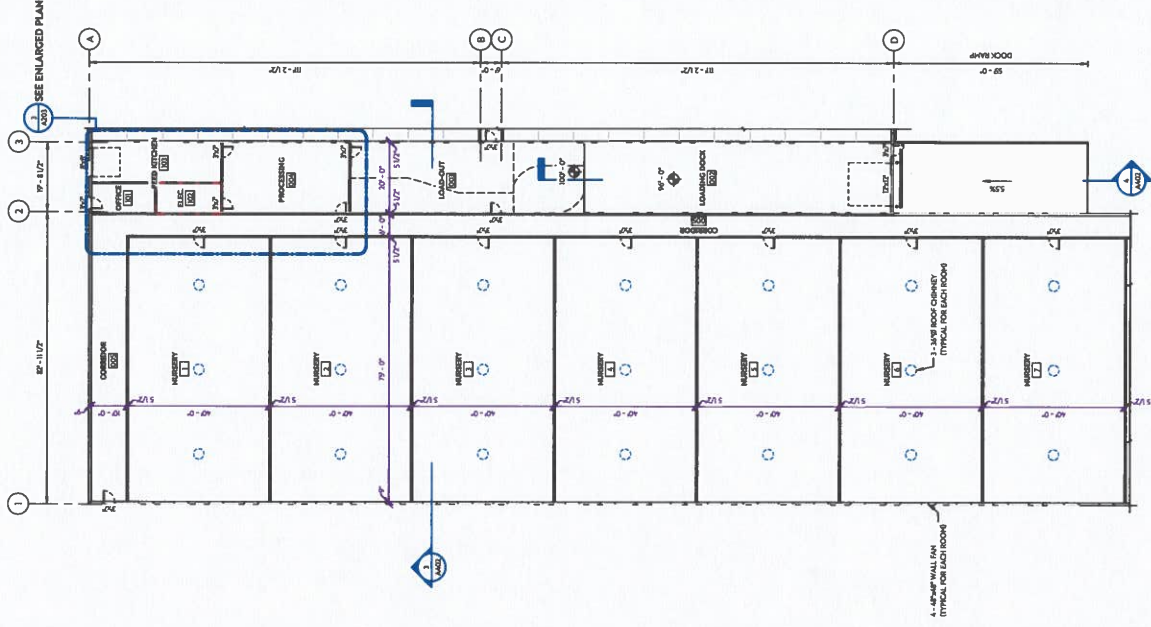
**Pastink Pork Ltd.**  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                   | DATE       |
|-----|-------------------------------|------------|
| 1   | DESIGN FOR PRELIMINARY REVIEW | 2023-04-12 |

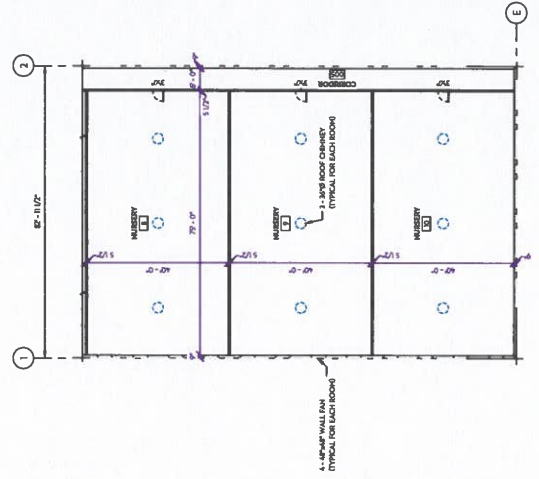
|             |          |
|-------------|----------|
| Project No. | A203     |
| Drawn by    | DESIGNER |
| Checked by  | DESIGNER |
| Sheet Name: |          |

Nursery Area  
Floor Plan -  
Enlarged

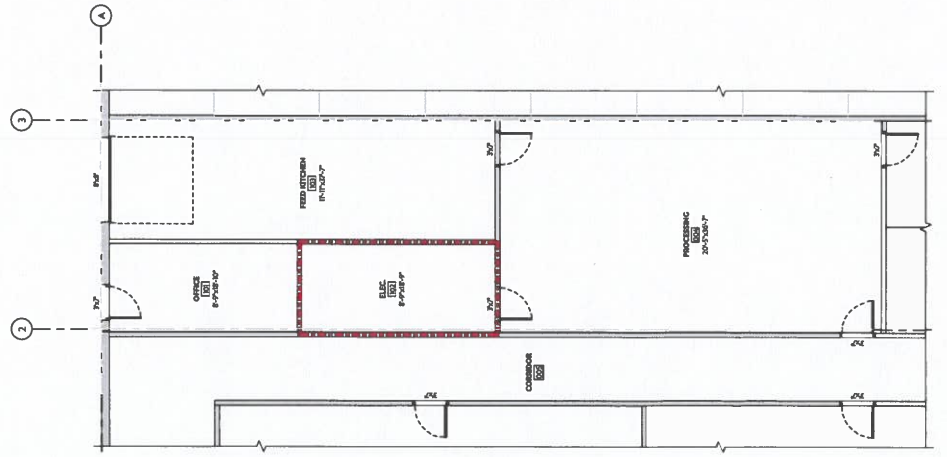
**A203**



1. Nursery Area Floor Plan 01 - Enlarged  
A203 1/8" = 1'-0"



2. Nursery Area Floor Plan 02 - Enlarged  
A203 1/8" = 1'-0"



3. Office Area Floor Plan - Enlarged  
A203 3/8" = 1'-0"

Architect

Stamp:

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

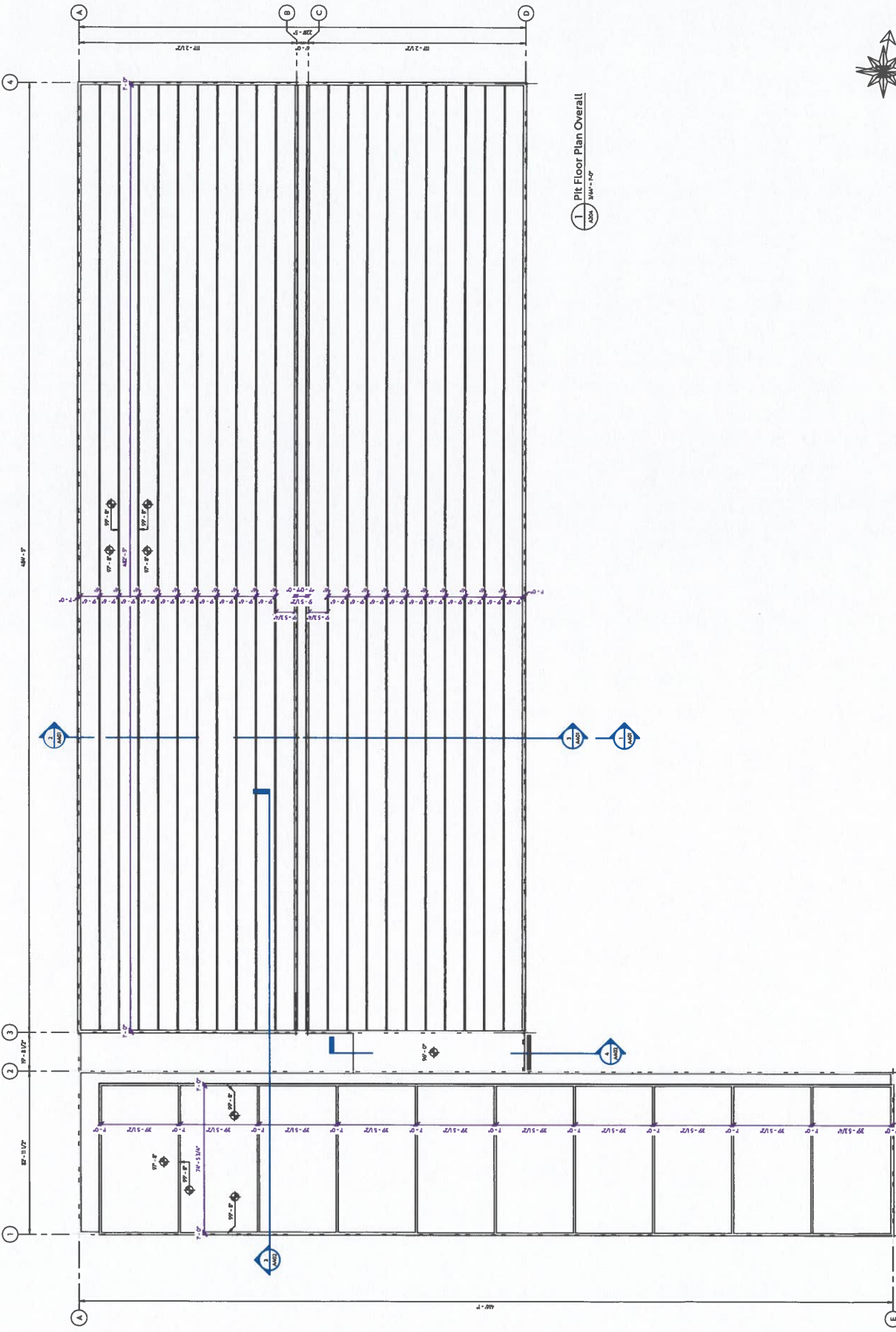
Pastink Pork Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

| NO. | DESCRIPTION                     | DATE       |
|-----|---------------------------------|------------|
| 1   | DESIGNED FOR PRELIMINARY REVIEW | 2025-04-12 |

|              |          |
|--------------|----------|
| Project No.  | A25009   |
| Drawn By     | DESIGNER |
| Checked By   | DESIGNER |
| Sheet Number | 1        |

Pit Floor Plan  
Overall

**A204**



Architect

Stamp

**PRELIMINARY**  
NOT FOR CONSTRUCTION

aggregate  
design studio ltd.  
**EAGLE BUILDERS**

Pastink Pork Ltd.  
Hog Barn  
Taber, Alberta  
04-36-10-15 W4

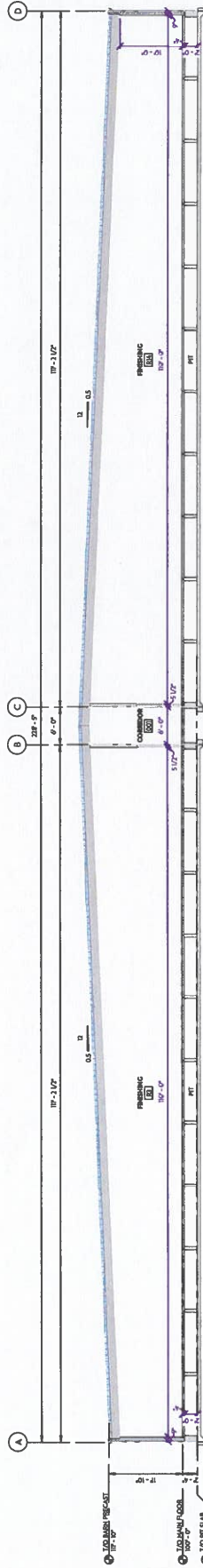
| NO. | DESCRIPTION                    | DATE       |
|-----|--------------------------------|------------|
| A   | REVISED FOR PRELIMINARY REVIEW | 2025-03-21 |
| B   | REVISED FOR PRELIMINARY REVIEW | 2025-03-21 |

|             |                              |
|-------------|------------------------------|
| Project No. | A25009                       |
| Date:       | 2025-03-21 12:02:22 PM       |
| Client:     | Pastink Pork Ltd.            |
| Designer:   | Aggregate Design Studio Ltd. |
| Sheet Name: |                              |

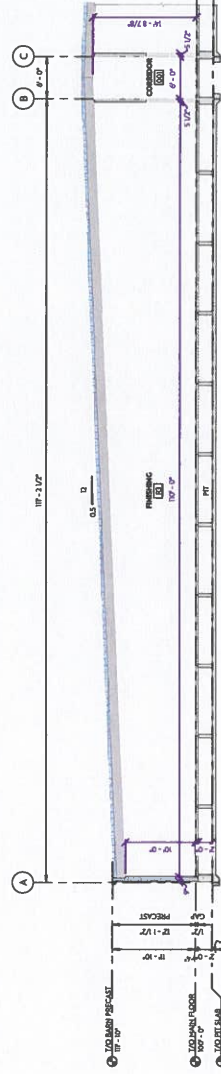
Building  
Sections

**A401**

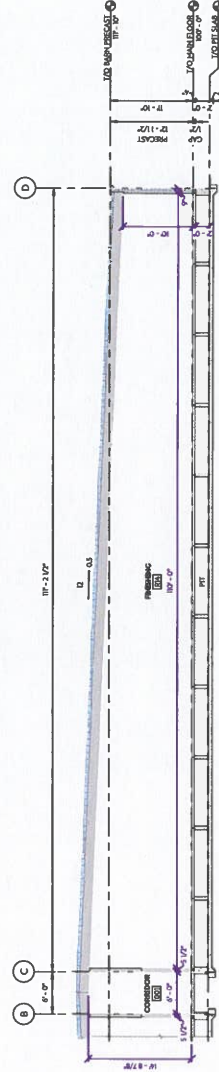
NOT TO SCALE. DIMENSIONS ARE APPROXIMATE. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. THIS IS A PRELIMINARY DRAWING AND NOT FOR CONSTRUCTION. ANY CHANGES TO THE DESIGN SHALL BE APPROVED BY THE ARCHITECT AND ENGINEER. THE CLIENT ACCEPTS RESPONSIBILITY FOR THE ACCURACY OF THE INFORMATION PROVIDED. THE ARCHITECT AND ENGINEER ARE NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION PROVIDED BY THE CLIENT.



1 Cross Section Thru Farrowing  
A401 1/8" = 1'-0"



2 Partial Section Thru Farrowing - 01  
A401 1/8" = 1'-0"



3 Partial Section Thru Farrowing - 02  
A401 1/8" = 1'-0"





## 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)

### LIQUID MANURE STORAGE: Earthen manure storage (EMS): Naturally occurring protective layer (complete a copy of this section for **EACH** proposed earthen liquid manure storage facility with a naturally occurring protective layer)

Facility description / name (as indicated on site plan)

1. Lagoon
2. \_\_\_\_\_

Manure storage capacity (complete a separate row of this table for each cell of the EMS)

|                | Length (m) | Width (m) | Total depth (m) | Depth below ground level (m) | Slope run:rise   |                   |               | NRCB USE ONLY   |                        |
|----------------|------------|-----------|-----------------|------------------------------|------------------|-------------------|---------------|---|------------------------|
|                |            |           |                 |                              | Inside end walls | Inside side walls | Outside walls | Calculated storage capacity (m <sup>3</sup> ) (excl. 0.5 m freeboard) | Filled in lower ¼? Y/N |
| 1.             | 120        | 70        | 8               | 8                            | 3:1              | 3:1               | 3:1           |   |                        |
| 2.             |            |           |                 |                              |                  |                   |               |   |                        |
| TOTAL CAPACITY |            |           |                 |                              |                  |                   |               |   |                        |

### Surface water control systems

Describe the run-on and runoff control system

The lagoon is level with the surrounding ground level  
The lagoon is higher than the pits in the barn so it is not able to overflow

### Naturally occurring protective layer details

|   |  |   |   |  |
|---|--|---|---|--|
| Thickness of naturally occurring protective layer             | <u>6.5</u> (m)   | Provide details (as required)<br><u>natural clay layer</u>              |   |  |
| Soil texture  | <u>46</u> % sand                                       | <u>27</u> % silt  | <u>27</u> % clay                              |  |
| Hydraulic conductivity - naturally occurring protective layer | Depth and type of soil tested<br><u>3.3m clay loam</u> | Hydraulic conductivity (cm/s)<br><u><math>2.8 \times 10^{-8}</math></u> | Describe test standard used<br><u>in situ</u> |  |

Additional information (attach copies of soil test reports)

#### NRCB USE ONLY

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

8 July 2025

**J Lobbezoo Engineering & Consulting Services Ltd.**  
PO Box 96, Monarch, AB T0L1M0

JLECS File: P25066

**Pastink Pork Ltd**  
PO Box 4687  
Taber, AB T1G 2E1

Attention: Mr. Mathys Pastink

**Re:               Geotechnical Review and Evaluation  
                  NRCB Permitting of Manure Storage Lagoon  
                  SW-36-010-15-W4M, near Purple Springs, Alberta**

As requested, J Lobbezoo Engineering & Consulting Services Ltd. (JLECS) has carried out a geotechnical review and evaluation of the above-captioned site relative to the required protection of the groundwater resource, as required by the Agricultural Operation Practices Act, AB Reg. 267/2001 (hereinafter referred to as "AOPA"). This letter describes the site soil conditions to support a permit application related to a manure storage lagoon at the above captioned site (refer to Figure 1, attached).

In order to demonstrate the suitability of the naturally existing soils for consideration as a naturally occurring protective layer to the groundwater resource, three boreholes were advanced at the site on May 23, 2025. The boreholes were advanced at the approximate locations denoted as PP1-25 to PP3-25 on Figure 1, attached.

The boreholes were advanced by a truck-mounted drill rig owned and operated by Chilako Drilling Services and extended to depths of 12.7 m to 14.5 m below the existing grade. The boreholes were logged by Larry Delong of Chilako Drilling Services.

In general, the natural mineral soils encountered in the boreholes consisted of minor lacustrine clay and silty clay loam soils overlying stiff, medium plastic clay till to the termination depth of the three boreholes. In one borehole (PP2-25), groundwater seepage was encountered from sand lenses in the basal till below about 13.5 m depth. No groundwater resource (as defined by the AOPA) was encountered within the 14.5 m investigation depth at this site.

Samples of soil collected from the screened zones of borehole PP1-25 as well as samples from similar depths at the other boreholes were all subjected to grain size analyses, which was carried out by Down to Earth Laboratories in Lethbridge, Alberta. The lab report is attached, for reference. The results indicate a soil texture breakdown of:

**Table 1: Soil Texture Analyses**

| <b>Borehole/Depth</b> | <b>% Sand</b> | <b>% Silt</b> | <b>% Clay</b> |
|-----------------------|---------------|---------------|---------------|
| PP1-25 / 10 – 12 m    | 44            | 28            | 28            |
| PP2-25 / 10 – 12 m    | 48            | 25            | 27            |
| PP3-25 / 8.0 – 10m    | 47            | 27            | 26            |
| <i>Average:</i>       | 46            | 27            | 27            |



Pastink Pork Ltd.

Geotechnical Review & Evaluation, SW-36-010-15-W4M, near Purple Springs, AB

8 July 2025

Page 2

---JLECS---

To measure the *in situ* permeability of the subsurface soils, a 50 mm diameter PVC monitoring well was constructed in borehole PP1-25. The test well was screened from 9.4 m to 12.7 m depth. Well saturation of the 50 mm diameter monitoring well was carried out by filling the monitoring well to the top for several consecutive days. After several days of testing, a 24-hour water drop of 1.17 m was determined at PP1-25.

To calculate the permeability of the screened portion of the clay strata at the test well location, a modified falling head test (as outlined in the USBR Engineering Geology Field Manual Volume 2 (2001)) was used. The input variables and output data are outlined on the attached In Situ Permeability Test reports. The results of the permeability testing indicated an *in situ* hydraulic conductivity ( $k_s$ ) of  $2.8 \times 10^{-8}$  cm/s at PP1-25.

Using the measured permeability of the clay at this site, the 3.3 m of clay screened at test hole PP1-25 is estimated to represent the equivalent of over 100 m of naturally occurring materials having a hydraulic conductivity of  $1 \times 10^{-6}$  cm/s (the reference standard in AOPA). This represents natural material protection in excess of the minimum requirements outlined by the AOPA for lagoons (minimum 10 m, Section 9.5-a).

### Conclusion

Based on the results of the current investigation, permeability testing, and our understanding of the site and development at the site, it is JLECS's opinion that the naturally occurring materials at the site satisfy the AOPA requirements for permitting the manure storage lagoon at this location.

We trust that this report satisfies your present requirements. Should you have any questions, please contact the undersigned at your convenience.

Yours truly,

**J Lobbezoo Engineering & Consulting Services Ltd.**



John Lobbezoo, P.Eng.  
Principal Geotechnical Engineer

### Attachments

Figure 1 Borehole Locations  
In Situ Permeability Test Calculations  
Down to Earth Soil Texture Results  
Soil Profile and Parent Material Description, Chilako Drilling Services

|  |                    |
|--|--------------------|
| <b>PERMIT TO PRACTICE</b>  |                    |
| <b>J LOBBEZOO ENGINEERING &amp; CONSULTING SERVICES LTD.</b>                   |                    |
| RM SIGNATURE:  | <u>[Signature]</u> |
| RM APEGA ID #:   | <u>110450</u>      |
| DATE:  | <u>8 July 2025</u> |
| <b>PERMIT NUMBER: P016456</b>  |                    |
| The Association of Professional Engineers and Geoscientists of Alberta (APEGA) |                    |

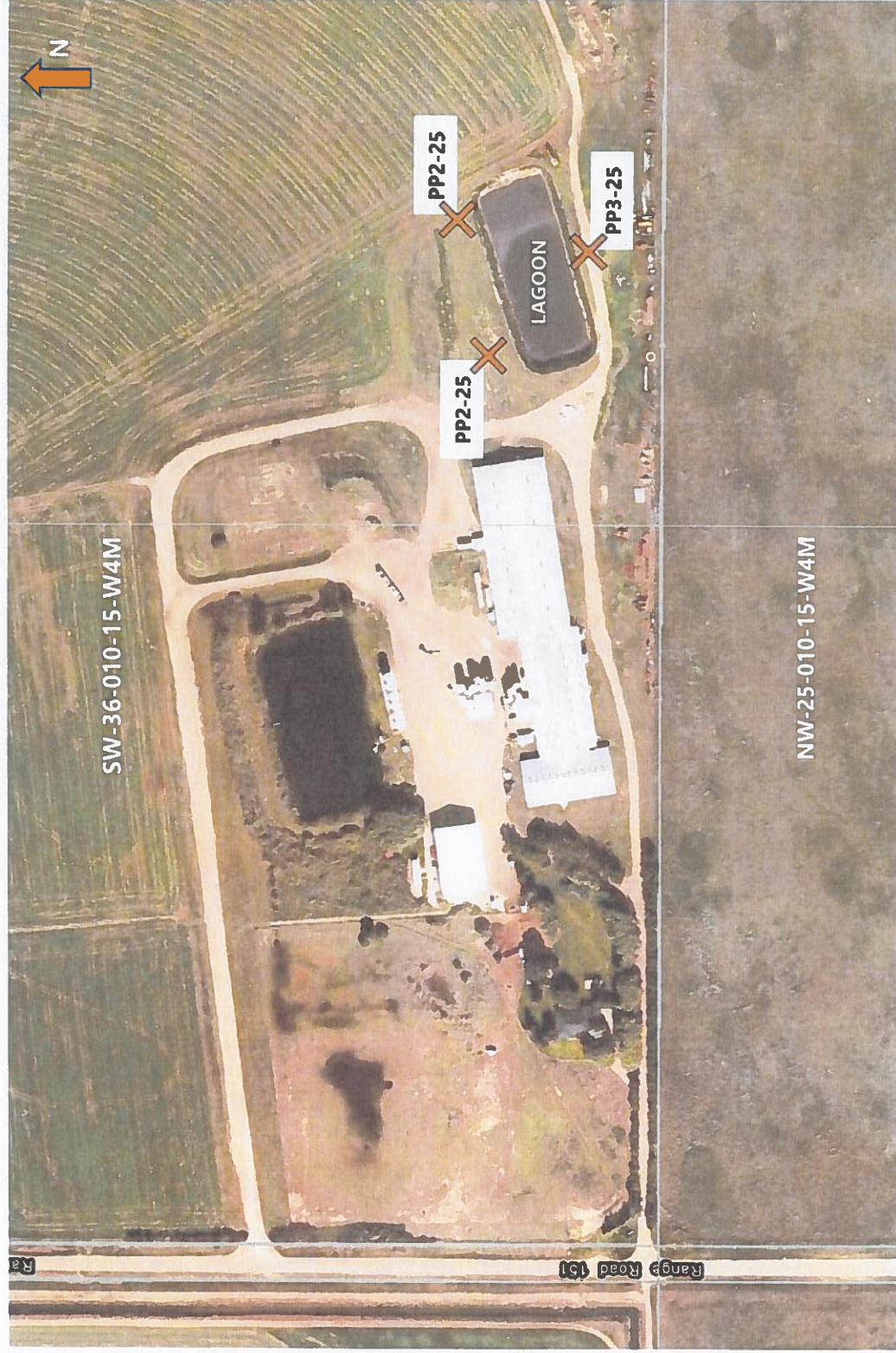


Figure 1: Site Layout & Borehole Locations

Image Credit: Govt of Alberta



PP1-25

## In Situ Permeability Test

Modified Falling Head Permeability Equation

$$K_s = \frac{r^2}{2\ell\Delta t} \left[ \frac{\sinh^{-1} \frac{\ell}{r_e}}{2} \ln \left[ \frac{2H_1 - \ell}{2H_2 - \ell} \right] - \ln \left[ \frac{2H_1 H_2 - \ell H_2}{2H_1 H_2 - \ell H_1} \right] \right]$$

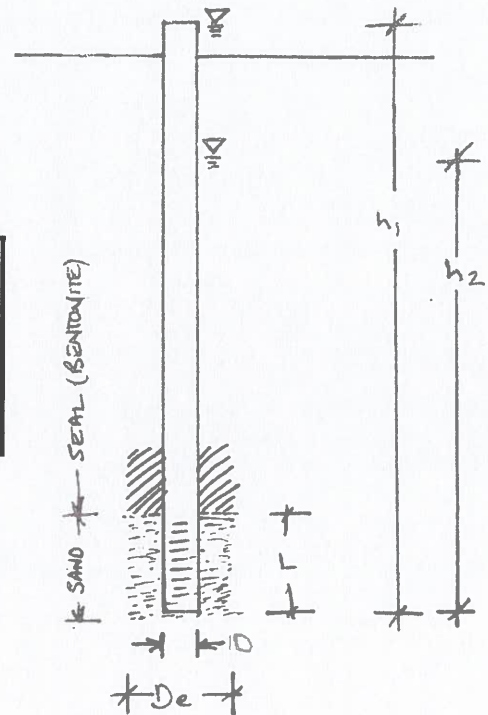
taken from USBR Engineering Geology Field Manual Volume 2 (2001)

PP1-25 - Pastink Pork Ltd.

JLECS File: P25066

| INPUT VARIABLES | Terms | Value  | Definition                                     |
|-----------------|-------|--------|--|
|                 | D     | 0.0520 | diameter of standpipe (m)                      |
|                 | De    | 0.1500 | diameter of borehole (m)                       |
|                 | L     | 3.30   | length of sand section (m)                     |
|                 | h1    | 12.85  | initial height of water above base of hole (m) |
|                 | h2    | 11.68  | final height of water above base of hole (m)   |
|                 | t     | 24.0   | time of test (h)                               |

$$k_s = 2.8E-08 \text{ cm/sec}$$







# Down To Earth Labs Inc.

The Science of Higher Yields

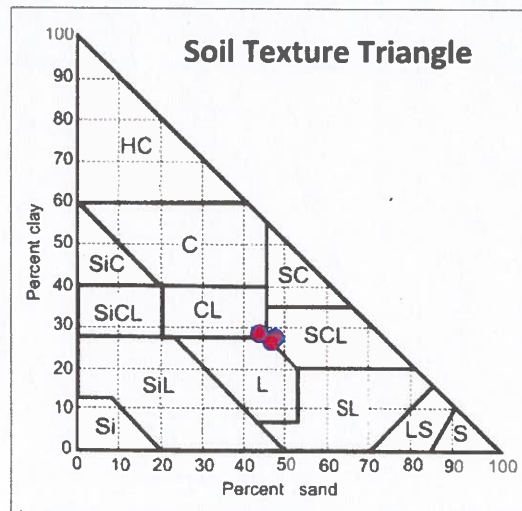
J. Lobbezoo Engineering +  
Consulting Services  
Box 96  
Monarch, Alberta T0L 1M0

Report #: 209318  
Report Date: 2025-07-08  
Received: 2025-06-30  
Completed: 2025-07-03  
Test Done: ST

Project :  
Pastink Pork  
PO:

3510 6th Ave North  
Lethbridge, AB T1H 5C3  
403-328-1133  
www.downtoearthlabs.com  
info@downtoearthlabs.com

| Sample ID:       |       | 250630N065 | 250630N066      | 250630N067      |
|------------------|-------|------------|-----------------|-----------------|
| Cust. Sample ID: |       | PP1 - 25   | PP2 - 25        | PP3 - 25        |
| Analyte          | Units | 10-12m     | 10-12m          | 8-10m           |
| Sand             | %     | 44.0       | 48.0            | 47.0            |
| Silt             | %     | 27.8       | 24.8            | 26.8            |
| Clay             | %     | 28.2       | 27.2            | 26.2            |
| Soil Texture     | -     | Clay Loam  | Sandy Clay Loam | Sandy Clay Loam |



Raygan Boyce - Chemist

# CHILAKO DRILLING SERVICES LTD

Box 942 Coaldale, Alberta, T1M 1M8  
(403) 345-3710

## SOIL PROFILE AND PARENT MATERIAL DESCRIPTION

Site Location: SW36-10-15W4, Pastink Pork

Date: 23-May-25

| Hole #   | Location           | Depth    | Texture | Moisture | Geological | Sample   | Remarks  |
|--|--------------------|----------|---------|----------|------------|----------|--|
| PP1-25   | 0434179<br>5523443 | 0-1.6    | FSL     | D        | Lac        |          |  |
|  |                    | 1.6-2.0  | SiCL    | M        | Lac        |          | Firm, med plastic olive brown (no sign of seepage) |
|  |                    | 2.0-5.2  | SiCL    | M        | Lac        | 3.0-4.5  | V. Firm, med plastic olive brown                   |
|  |                    | 5.2-6.4  | CL      | M        | Till       |          | Stiff, med plastic, dark brown                     |
|  |                    | 6.4-12.7 | CL-C    | M        | Till       | 8.0-10.0 | Stiff, med-high plastic, dark gray (basel till)    |
| PP2-25   | 0434120<br>5523429 | 0-1.5    | LFS     | D        | Lac        | 1.0-1.5  |  |
|  |                    | 1.5-2.0  | FSCL    | M        | Lac        |          |  |
|  |                    | 2.0-4.5  | SiCL    | M        | Lac        |          | V. Firm, med plastic, olive brown                  |
|  |                    | 4.5-6.0  | CL-SiCL | M        | Lac        |          | V. Firm, med plastic, olive brown                  |
|  |                    | 6.0-9.8  | CL-C    | SM       | Till       |          | Stiff, med plastic, dark brown                     |
| PP3-25   | 0434173<br>5523360 | 0-1.4    | LFS     | D        | Lac        |          |  |
|  |                    | 1.4-2.0  | FSCL    | M        | Lac        |          |  |
|  |                    | 2.0-4.0  | SiCL    | M        | Lac        |          | V. Firm, med plastic, olive brown                  |
|  |                    | 4.0-4.8  | CL      | M        | Till       |          | Stiff, med plastic, brown                          |
|  |                    | 4.8-8.1  | CL-C    | SM       | Till       |          | Stiff, med plastic, dark brown                     |
|  |                    | 8.1-14.5 | CL-C    | M        | Till       | 8.0-10.0 | Stiff, med plastic, grey                           |
| No evident seepage from existing lagoon in any test hole |                    |          |         |          |            |          |  |

Legend: L      Loam  
C      Clay  
S      Sand  
Gr.      Gravel  
Si      Silt  
F      Fine (sand)  
VF      Very Fine (sand)

Eg. VFSCCL = Very Fine Sandy Clay Loam