### **Technical Document RA25012**

### **Part 2** — Technical Requirements



| NRCB USE ONLY  |                               |   | Applica             | ation number  | Legal I       | and description      |
|--|-------------------------------|---|---------------------|---|---------------|----------------------|
| ☐ Approval ☐ Reg   | istration                     | Authorization   | RA                  | 25012   | SE            | -18-041-25 W4        |
| Amendment  | ,                             | <u></u>   |                     |   |               |                      |
| APPLICATION DISC   | CLOSUR                        | E   |                     |   |               |                      |
| This information is collecte<br>provisions of the <i>Freedom</i><br>written request that certain | of Informa                    | tion and Protection of F  |                     |   |               |                      |
| Any construction prior t prosecution.  | o obtainir                    | g an NRCB permit is   | an offend           | e and is subject to e   | nforcement    | action, including    |
| I, the applicant, or applical provided in this application                                       |                               |   |                     | atements above, and I   | acknowledge   | that the information |
| 2/12/2025  |                               |   |                     | Signed digitally  | by Pete H     | eidelberg            |
| Date of signing  |                               |   |                     | Signature   |               |                      |
|  |                               |   |                     | Pete Heidelberg   |               |                      |
| Corporate name (if applica   | ible)                         |   |                     | Print name  |               |                      |
| GENERAL INFORMAT   | ION REO                       | UIREMENTS   |                     |   |               |                      |
| Proposed facilities: list  | all propose                   | ed confined feeding ope   |                     |   | ons. Indicate | whether any of the   |
| proposed facilities are ad   | ditions to e                  | existing facilities. (attac   | ch addition         | al pages if needed)   | D             | imensions (m)        |
| Proposed facilities  |                               |   |                     |   |               | n, width, and depth) |
| Mono Slope Heifer Sl   | ned: Ope                      | n Faced Shelter   |                     |   | 1             | 26 x 26 x 0.5        |
| On March 14, 2025<br>pad, 50 ft long and   | , the app<br>84.5 fee         | olicant clarified the<br>t wide. (15.2 m x  | at they a<br>26 m). | re proposing an a   | attached n    | nanure storage       |
|  |                               |   |                     |   |               |                      |
| Existing facilities: list A  | <b>ALL</b> existing           | g confined feeding oper   | ration facili       | ties and their dimension  | ns            |                      |
| Existing facilities  |                               |   |                     | Dimensions<br>(length, width, ar  |               | NRCB USE ONLY        |
| Freestall dairy b.   | arn (72 m                     | x 33 m) with an unde  | eraround n          | nanure pit (33.5 m x 3  | 3.5 m         |                      |
| x 2.2 m deep)  |                               | •   |                     |   |               | RA22018              |
| Addition to the e  | xisting fre                   | estall barn – 27 m x 3  | 33 m (for a         | total of 78.8 m x 33  | m)            | RAZZU10              |
|  | DA47005                       | Codhan Parissan   | en (EMO)            | 00 11 00 11 4 1   |               |                      |
| NRCB USE ONLY<br>Confirmed   | RA17025<br>RA17056<br>RA10069 | Earthen liquid manure stora Load out ramp Heifer barn (with pit) Solid manure storage pad | age (EMS)           | 90 m x 90 m x 4 m deep<br>16 m x 12 m x 2.4 m deep<br>100 m x 37 m; 4.3 m x 4.3 m x<br>m deep<br>6.0 m x 6.0 m                      | 3.0           |                      |
|  | RA03047                       | Expand open front shed to l<br>stall barn   | become free         | 33.5 m x 51.8 m   |               |                      |
|  | Deemed                        | Dairy barn (with pit) Milking parlor (ancillary) EMS Calf barn Barn pit                   |                     | 101 m x 34 m; 42.6 m x 3.6 m<br>2.4 m deep<br>46 m x 42 m<br>91 m x 56 m x 6.7 m deep<br>24 m x 24 m<br>42.6 m x 3.6 m x 2.4 m deep | х             |                      |



| If a new facility is replacing an old facility, please  | e explain what will hap | pen to the old facility and                             | d when. 🛮 N/A |
|---|-------------------------|---|---------------|
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
| Construction completion date for proposed facilit   | 8/30/2025<br>ties       |   |               |
| Additional information  |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
| <b>Livestock numbers:</b> Complete only if livestock numblestock numbers increase in your Part 2 application, 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         |
| AO Note, no proposed changes to livestock numbers   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |
|   |                         |   |               |



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

|            | I <b>DO</b> want my water licence application coupled to  | my AOPA permit application.   |
|------------|---|---|
| Sign       | ned thisday of, 20  |   |
|            |   | Signature of Applicant or Agent   |
| <u> </u>   | TION 2: Processing the AOPA permit and Water  | er Act licence separately   |
|            | I (we) acknowledge that the CFO will need a new development or activity proposed in this AOPA app   | water licence from EPA under the <i>Water Act</i> for the olication.                                |
|            | I (we) request that the NRCB process the AOPA a CFO's application for a water licence.  | oplication <b>independently of</b> EPA's processing of the  |
|            | In making this request, I (we) recognize that, if the NRCB's decision will not be considered by EPA as it water licence under the <i>Water Act</i> .  |   |
|            | I (we) acknowledge that any construction or actionated AOPA permit in the absence of a <i>Water Act</i> licence whether to grant the <i>Water Act</i> licence application                                   |   |
|            | the <i>Water Act</i> licence application is denied or if the violation of the <i>Water Act</i> . This risk includes being   |   |
| 6.         | further construction, or to remove "works" or "und AS RELEVANT: I (we) acknowledge that the CFO and that, pursuant to the <i>Bow, Oldman and South</i> [Alta. Reg. 171/2007], this basin is currently close | is located in the South Saskatchewan River Basin<br>Saskatchewan River Basin Water Allocation Order |
|            | <b>Provide:</b> Water licence application number(s)   |   |
| Sign       | ned this, 20  | Circulation of Application Application  |
|            |   | Signature of Applicant or Agent   |
| ΩDΤ        | TION 3: Additional water licence not required   |   |
|            | -   |   |
|            | I (we) declare that the CFO will not need a new lid<br>development or activity proposed in this AOPA app  |   |
|            |   |   |
| <b>c</b> : | Luc 12 c February 22.25   | Signed digitally by Pete Heidelberg   |
| sign       | ned this <u>12</u> day of <u>February</u> , 20 <u>25</u> .  | Signature of Applicant or Agent   |



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*).

| Signed this | day of | , 20 . |                       |             |
|-------------|--------|--------|-----------------------|-------------|
|             | ,      |        | Signature of Applicar | nt or Agent |



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)

- A Signa Hoifer Shod

| Existing:                  |             |  |                | Proposed 1: Niono Slope Helfer Sned |                                   |                 |                           |   |  |
|----------------------------|-------------|--|----------------|-------------------------------------|-----------------------------------|-----------------|---------------------------|---|--|
| Proposed 2: Proposed 3:    |             |  |                |                                     |                                   |                 |                           |   |  |
| Fa                         | acilit      | y and environmental risk   |                | Faci                                | lities                            |                 |                           | NRCB USE ONLY                                   |  |
|                            |             | information  | Existing       | Proposed 1                          | Proposed 2                        | Proposed 3      | Meets requirements        | Comments  |  |
| Flood plain information    |             | What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level? | □ >1 m □ ≤ 1 m | □ >1 m ■ ≤ 1 m Site isn't in        | □ >1 m<br>□ ≤1 m<br>a flood plain | □ > 1 m □ ≤ 1 m | YES NO YES with exemption | > 1 m above flood plain                         |  |
| er                         | <b>-</b>    | How many springs are within 100 m of the manure storage facility or manure collection area?  |                | 0                                   |                                   |                 | YES NO YES with exemption | No springs identified on site visit             |  |
| Surface water              | information | How many water wells are within 100 m of the manure storage facility or manure collection area?  |                | 0                                   |                                   |                 | YES NO YES with exemption | No water well within 100 m of proposed facility |  |
| ns                         | .=          | What is the shortest distance from the manure collection or storage facility to a surface water body? (e.g., lake, creek, slough, seasonal)              |                | 660                                 |                                   |                 | YES NO YES with exemption | 119 m to potential ephemeral drainage course    |  |
| lwater                     |             | What is the depth to the water table?  |                | 5                                   |                                   |                 | YES NO YES with exemption | Confirmed                                       |  |
| Groundwater<br>information |             | What is the depth to the groundwater resource/aquifer you draw water from?   |                | 61                                  |                                   |                 | YES NO YES with exemption | UGR identified at 45.1 m                        |  |

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



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

|                         |                        |              | NRCB USE ONLY               |                          |                 |                                     |                   |        |
|-------------------------|------------------------|--------------|-----------------------------|--------------------------|-----------------|-------------------------------------|-------------------|--------|
| Neighbour name(s)       | Legal land description | Distance (m) | Zoning<br>(LUB)<br>category | MDS<br>category<br>(1-4) | Distance<br>(m) | Waiver<br>attached<br>(if required) | Meets regulations |        |
| Debby Baron             | 04-17-41-25-W4         | 536          | Ag                          | 1                        | 526 m           |                                     | Yes, with exe     | mption |
| Brent and Debbie Salmon | 13-17-41-25-W4         | 697          | Ag                          | 1                        | 458 m           |                                     | Yes, with exe     | mption |
|                         |                        |              |                             |                          |                 |                                     |                   |        |
|                         |                        |              |                             |                          |                 |                                     |                   |        |
|                         |                        |              |                             |                          |                 |                                     |                   |        |

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

|                        |                        |                       |               | NRCB US             | E ONLY                                 |
|------------------------|------------------------|-----------------------|---------------|---------------------|--|
| Name of land owner(s)* | Legal land description | Usable area**<br>(ha) | Soil zone *** | Usable area<br>(ha) | Agreement<br>attached<br>(if required) |
| N/A for authorizations |                        |                       |               |                     |  |
|                        |                        |                       |               |                     |  |
|                        |                        |                       |               |                     |  |
|                        |                        |                       |               |                     |  |
|                        |                        |                       |               |                     |  |
|                        |                        |                       | Total         |                     |  |

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

Additional information (attach any additional information as required)

<sup>\*\*</sup> 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)

<sup>\*\*\*</sup> Brown, dark brown, black, grey wooded, or irrigated



| NRCB USE ONLY   |   |   |
|---|---|---|
| MINIMUM DISTANCE SEPARATION   | N   |   |
| Methods used to determine distance (if applical   | ble): aerial pho                                  | tography  |
| Margin of error (if applicable):+/- 2 m   |   |   |
| Requirements (m): Category 1: 536 m   | _ Category 2:_                                    | 715 m Category 3: 894 m Category 4: 1431 m  |
| Technology factor:  |   | ☐ YES 💢 NO  |
| Expansion factor:   |   | ☐ YES 💢 NO  |
| MDS related concerns from directly affected pa  | rties or referral                                 | agencies: YES X NO  |
| nder AOPA's standards and admin regulatio<br>t not increasing manure production. This is<br>otprint of the existing site, and is located fart | n 3(5)(c) MDS<br>the case in RA<br>ther away from | does not apply if the applicant is seeking to build a new MSF/MCA, .25012. Furthermore, the proposed facility is located within the overal the closest neighbours than the existing facilities. |
| LAND BASE FOR MANURE AND CO   | MPOST APP   | LICATION  |
| Land base required: N/A for au  | ıthorizations                                     |   |
| Land base listed:   |   |   |
| Area not suitable:  |   |   |
| Available area  |   | Requirement met:  |
| Land spreading agreements required:   | YES NO  |   |
| Manure management plan:   | lyes □ no   | If yes, plan is attached:   |
| PLANS   |   |   |
| Submitted and attached construction plans:  | YES   | □ NO  |
| Submitted aerial photos:  | X YES   | □ NO  |
| Submitted photos:   | ☐ YES   | NO  |
| GRANDFATHERING  |   |   |
| Alvandy appealated  | X YES   | □ NO □ N/A  |
| Already completed:  |   |   |



| NRCB USE ONLY WATER WELL AND | SURFACE '       | WATER INFORMATI                | ON                           |           |                       |  |  |  |  |
|------------------------------|-----------------|--------------------------------|------------------------------|-----------|-----------------------|--|--|--|--|
| Well IDs: 0932               | 211, 291845, 2  | 088813, 93208 and 2839         | 037                          |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 | ectly affected parties or refe |                              |           | ☐ YES ☒ NO ☐ YES ☒ NO |  |  |  |  |
| Water wells N/A              |                 | ctly affected parties or refe  | rrai agencies:               |           | LI YES ZNO            |  |  |  |  |
|                              |                 | nce requirements applied:      | □ YES □ NO Condition         | required: | ☐ YES ☐ NO            |  |  |  |  |
| Surface water N/A            |                 | requirement applicat           |                              |           |                       |  |  |  |  |
|                              |                 | ce requirements applied:       | YES NO Condition             | required: | ☐ YES ☐ NO            |  |  |  |  |
|                              |                 | . \                            |                              |           |                       |  |  |  |  |
| Water Well Exemption         | Screening To    | ol N/A                         |                              |           |                       |  |  |  |  |
| Water Well I                 | ID              | Preliminary Screening Score    | Secondary Screening<br>Score |           | Facility              |  |  |  |  |
|                              |                 | Score                          | Score                        |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              | <u> </u>        |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
| Groundwater or surface       | ce water relate | ed comments:                   |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |
|                              |                 |                                |                              |           |                       |  |  |  |  |



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

# NRCB USE ONLY ENVIRONMENTAL RISK SCREENING INFORMATION

**ERST** for **proposed** facilities

| Facility                        | Groundwater score | Surface water score | File number |
|---------------------------------|-------------------|---------------------|-------------|
| Heifer shed with attached solid | Low               | Low                 | RA25012     |
| manure pad                      |                   |                     |             |
|                                 |                   |                     |             |
|                                 |                   |                     |             |
|                                 |                   |                     |             |
|                                 |                   |                     |             |

#### **ERST** for **existing** facilities

| Facility             | Groundwater score      | Surface water score | File number |  |
|----------------------|------------------------|---------------------|-------------|--|
| New freestall barn   | New freestall barn Low |                     | RA22018     |  |
| Freestall barn       | Low                    | Low                 | RA22018     |  |
| EMS 2017             | Low                    | Low                 | RA17056     |  |
| Solid manure storage | Low                    | Low                 | RA17056     |  |
| Barn with pits 2017  | Low                    | Low                 | RA17056     |  |
| Calf barn            | Calf barn Low          |                     | RA17056     |  |
| Dairy barn           | y barn Low             |                     | RA17056     |  |
| EMS (older)          | Low                    | Low                 | RA17056     |  |

#### **ERST** related comments:



| NRCB USE ONLY            |                     |                  |          |       |        |       |                      |
|--------------------------|---------------------|------------------|----------|-------|--------|-------|----------------------|
| ALL SIGNATURES           | IN FILE             | YES [            | ОиО      |       |        |       |                      |
| DATES OF APPROV          | VAL OFFICER SITE V  | /ISITS           |          |       |        |       |                      |
| March 14, 2025           |                     |                  |          |       |        |       |                      |
|                          |                     |                  |          |       |        |       |                      |
|                          |                     |                  |          |       |        |       |                      |
|                          |                     |                  |          |       |        |       |                      |
|                          | E WITH MUNICIPAL    |                  | ID REFER | RAL A | AGENC  | IES   |                      |
| Date deeming letters sen | t: February 13, 202 | 5                |          |       |        |       |                      |
| Municipality: Lacon      | nbe County          |                  |          |       | -      |       |                      |
| letter sent              | response received   | <b>X</b> writter | n/email  |       | verbal |       | no comments received |
| Alberta Health Service   | es: N/A             |                  |          |       |        |       |                      |
| ☐ letter sent            | response received   | ☐ writter        | n/email  |       | verbal |       | no comments received |
| Alberta Environment a    | nd Parks:           |                  |          |       |        |       |                      |
| letter sent              | response received   | writter writter  | n/email  |       | verbal |       | no comments received |
| Alberta Transportation   | n: 🔼 N/A            |                  |          |       |        |       |                      |
| ☐ letter sent            | response received   | ☐ writter        | n/email  |       | verbal |       | no comments received |
| Alberta Regulatory Ser   | rvices:             |                  |          |       |        |       |                      |
| letter sent              | response received   | x writter        | n/email  |       | verbal |       | no comments received |
| Other: Pembina Pipe      | eline Corp.,        |                  |          |       |        | □ N/A |                      |
| letter sent              | response received   | <b>X</b> writter | n/email  |       | verbal |       | no comments received |
| Other: Atco Gas and      | d Pipeline          |                  |          |       |        | □ N/A |                      |
| letter sent              | ☐ response received | ☐ writter        | n/email  |       | verbal | ×     | no comments received |
|                          |                     |                  |          |       |        |       |                      |
|                          |                     |                  |          |       |        |       |                      |



|  | rete liner)   | Tor <b>LACIT</b> barn, reediot, and  | d storage facility for solid manure, co   | imposting materials, or compost with   |
|--|---|--|---|--|
| Facilit  | y description / name <mark>(</mark>   | as indicated on site plan)   | 1. Mono Slope Heifer Shed   |  |
|  |   |  | 2. Email addition: Solid man  | ure storage pad  |
| Manu   | re storage capacity   |  |   |  |
|  | Length (m)  | Width (m)  | Depth below grade to the bottom of the liner (m)  | NRCB USE ONLY Estimated storage capacity (m³)  |
| 1.   | 126   | 26   | 0.5   | Adequate storage   |
| 2.   | 15.2 m  | 26 m   | 0   |  |
|  |   |  | TOTAL CAPACITY  |  |
| Surfac<br>Desc<br>The s  | ce water control system<br>ribe the run-on and runof<br>shed will have a roof co  | ns<br>f control system<br>vering the majority of the r   | manure storage area and will sit le   | evel. The building will be   |
| Desc<br>The s  | ce water control system<br>ribe the run-on and runof<br>shed will have a roof co<br>tructed above grade to                                | ns<br>f control system<br>vering the majority of the r<br>minimize the chance for si                 |   | evel. The building will be torage area. A concrete barrier                                     |
| Surface<br>Describes<br>The scons<br>will b  | ce water control system<br>ribe the run-on and runof<br>shed will have a roof co<br>tructed above grade to<br>e used to contain solids    | ns f control system vering the majority of the r minimize the chance for si s on the storage pad. (A | manure storage area and will sit le<br>urface water reach the manure si<br>NO Note, this will be small wa | evel. The building will be torage area. A concrete barrier                                     |
| Description Descri | ribe the run-on and runof shed will have a roof co tructed above grade to e used to contain solids  protection ribe how the physical inte | regrity of the liner will be main  | manure storage area and will sit le<br>urface water reach the manure si<br>NO Note, this will be small wa | evel. The building will be<br>torage area. A concrete barrier<br>alls on three sides of the pa |
| Description Descri | ribe the run-on and runof shed will have a roof co tructed above grade to e used to contain solids  protection ribe how the physical inte | regrity of the liner will be main  | manure storage area and will sit le<br>urface water reach the manure si<br>NO Note, this will be small wa | evel. The building will be<br>torage area. A concrete barrier<br>alls on three sides of the pa |

Concrete liner details

Concrete thickness

Concrete strength

6"



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

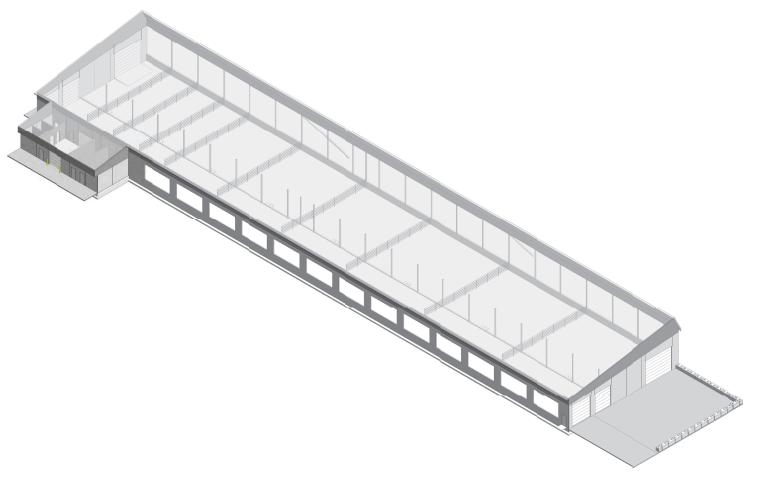
Method of sulphate protection:

Type 10 with fly ash or equivalent

Concrete reinforcement size and spacing

| 30 MPA at 28 days   | 12" x 12" 10r     | n rebar grid     |                        |                      |
|---|-------------------|------------------|------------------------|----------------------|
| Concrete requirements can be found in Technical Guideline Ag<br>Guideline minimums:<br>Solid manure: 25MPa (D)<br>Solid manure (wet): 30MPa (C)<br>Method of sulphate protection:<br>Type 50 or Type 10 with fly ash or equivalent  Additional information (attach as required) | gdex 096-93       |                  | ents met:<br>required: | YES NO YES NO YES NO |
| NRCB USE ONLY   |                   |                  |                        |                      |
| Nine month manure storage volume requirements met   | YES               | YES With STMS    | □ NO                   |                      |
| Depth to water table: 5 m   | Req               | uirements met:   | YES 🗆 N                | NO                   |
| Depth to Uppermost groundwater resource: 45.1 m   | Req               | uirements met:   | XYES 🗆 N               | NO                   |
| ERST completed: see ERST page for details   |                   |                  |                        |                      |
| Surface water control systems  Requirements met: ✓ YES ☐ NO Details/comments:   |                   |                  |                        |                      |
| Concrete liner details  |                   |                  |                        |                      |
| A condition will be added requiring applicant   | t to provide      | proof that concr | ete liner me           | ets NRCB             |
| technical guidelines  |                   |                  |                        |                      |
| Leakage detection system required: TYES NO If yes   | s, please explaiı | ı why.           |                        |                      |
|   |                   |                  |                        |                      |

# Five Star Cattle Co.



| SYMBOL LEGEN                       | D                     |
|------------------------------------|-----------------------|
| CONSTRUCTION 7                     | CONSTRUCTION TAG      |
| FINISH REFERENCE                   | EXTERIOR FINISH TAG   |
| GRID NUMBER 0                      | GRID BUBBLE           |
| DOOR REFERENCE 101A                | DOOR TAG              |
| ROOM NUMBER ROOM NAME              | ROOM TAG              |
| DESCRIPTION T/O FLOOR O            | ELEVATION DATUM       |
| DRAWING NUMBER SHEET NUMBER A4.1   | BUILDING SECTION CALL |
| DRAWING NUMBER  SHEET NUMBER  A3.1 | ELEVATION CALLOUT     |
| WINDOW REFERENCE 3:0"x6':0"        | WINDOW TAG            |
| ELEVATION B                        | ELEVATION TAG         |
| DRAWING TITLE                      | DRAWING TITLE         |
| DRAWING NUMBER 1 Floor Plan        |                       |

#### DRAWING INDEX

| Sheet<br>Number | Sheet Name             | Current |
|-----------------|------------------------|---------|
| A000            | Index                  | A       |
| A101            | Neighbour Setback Plan | A       |
| A102            | Site Plan              | А       |
| A201            | Floor Plan Overall     | A       |
| A202            | Enlarged Floor Plan    | A       |
| A401            | Building Sections      | A       |
| A402            | Building Sections      | A       |
| Sheet Cour      | t7                     |         |

Lacombe County, Alberta

Heifer Barn







#### NOTES CONCERNING BUILDING LOCATION

- ENGINEER IS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UNI-KNOWN FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OF FUTURE USE.
- THE "NORTH" ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
- ANY DIMENSIONS THAT SHOW THE LOCATION OF EXISTING FEATURES ARE APPROXIMATE ONLY, AND ARE TO BE CONFIRMED BEFORE CONSTRUCTION START AS REQUIRED BY A CERTIFIED LAND SURVEYOR.
- LANDSCAPING IS SUBJECT TO CHANGE.

#### BYLAW INFORMATION

| PROPERTY LINE      |  |
|--------------------|--|
| SETBACK LINE       |  |
| RIGHT OF WAY LINE  |  |
| RIGHT OF WAY HATCH | ×××××××××××××××××××××××××××××××××××××× |
| PROPOSED BUILDING  |  |
| SERVICE ROOM       |  |
| FENCE              |  |
| MAN DOOR           | ▼                                      |
| OVERHEAD DOOR      |  |
| BARRIER FREE       | V                                      |
| ENTRANCE           | V                                      |

| SITE SCHEDULE |                      |                          |  |  |
|---------------|----------------------|--------------------------|--|--|
| ON SITE       |                      |                          |  |  |
| APRON         | 526.1 m <sup>2</sup> | 5,662.50 ft <sup>2</sup> |  |  |
| SIDEWALK      | 3.0 m <sup>2</sup>   | 32.00 ft <sup>3</sup>    |  |  |
|               | 529.0 m <sup>2</sup> | 5,694.50 ft <sup>3</sup> |  |  |
| GRAND TOTAL   | 529.0 m <sup>2</sup> | 5,694.50 ft <sup>2</sup> |  |  |



SIDEWALK LIGHT DUTY ASPHALT



VISUAL SCALE 1:1000

Site Plan
1:1000

**PRELIMINARY** 

NOT FOR CONSTRUCTION

aggregate design studio ltd. EAGLE

Five Star Cattle Co. Heifer Barn

08-18-41-25 W4 Project No:

Date: 2025-01-29 7:41:12 AM

Drawn by: VV Drawn by: Checked by: Sheet Name:

Site Plan

