

Part 2 – Technical Requirements

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

NRCB USE ONLY

Application number

Legal land description

- ☒ Approval ☐ Registration ☐ Authorization
☐ Amendment

RA23031

W1/2 14-41-27 W4M

APPLICATION DISCLOSURE

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

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

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

November 22, 2023

Date of signing

Stonybrook Farms Ltd.

Corporate name (if applicable)

Signature

Tyler Guppy

Print name

GENERAL INFORMATION REQUIREMENTS

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

Proposed facilities	Dimensions (m) (length, width, and depth)
Heifer Barn	187, 25, 1
Solid manure storage pad	15 x 23

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

Existing facilities	Dimensions (m) (length, width, and depth)	NRCB USE ONLY
Lactating Milk Cow Barn (north)	101.2, 31.4, 0	
Lactating Milk Cow Barn (south)	122.5, 28.9, 0	
Liquid Manure Storage Facility (lagoon)	114, 90, 4.4	

NRCB USE ONLY

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)

[illegible]

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

Construction completion date for proposed facilities September 30, 2024

Additional information

The proposed new heifer barn is anticipated to kick-off construction activities in the spring of 2024. The proposed facility will be designed to house replacement stock inside the barn year round. The barn is designed as a pack barn and the pack will be fully cleaned out twice annually and the associated solid manure and compost will be spread directly on crop land during barn clean out. To accommodate barn pack clean out activities the animals housed within the barn may be moved outside to temporary pens adjacent to the barns to support clean out activities. These temporary pens may also be used from time to time for various activities such as sorting, processing and moving stock that will be housed in the pack barn.

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

Livestock category and type (Available in the Schedule 2 of the Part 2 Matters Regulation)	Permitted number	Proposed increase or decrease in number (if applicable)	Total
Lactating Dairy Cows	350	100	450
Dairy Dry Cows	40	30	70
Replacement Stock (up to 24 months old)	240	260	500

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 22 day of November, 2023.


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 _____

Signed this ____ day of _____, 20____.

Signature of Applicant or Agent

Part 2 — Technical Requirements

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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

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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: Lactating Milk Cow Barn (south)

Proposed 1: Heifer Barn

Proposed 2: _____

Proposed 3: _____

Facility and environmental risk information		Facilities				NRCB USE ONLY	
		Existing	Proposed 1	Proposed 2	Proposed 3	Meets requirements	Comments
Flood plain information	What is the elevation of the floor of the lowest manure storage or collection facility above the 1:25 year flood plain or the highest known flood level?	<input checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input checked="" type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> >1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> > 1 m <input type="checkbox"/> ≤ 1 m	<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	How many springs are within 100 m of the manure storage facility or manure collection area?	0	0			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
Surface water information	How many water wells are within 100 m of the manure storage facility or manure collection area?	0	1			<input type="checkbox"/> YES <input type="checkbox"/> NO <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)	100m	35m			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
Groundwater information	What is the depth to the water table?		8m			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	
	What is the depth to the groundwater resource/aquifer you draw water from?	18.3m	18.3m			<input type="checkbox"/> YES <input type="checkbox"/> NO <input type="checkbox"/> YES with exemption	

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

No change from existing CFO information provided within existing approval.

2023 Water Source Well - 05-14
AEPA - Water Well Drilling Report



Water Well Drilling Report

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

[View in Imperial](#) [Export to Excel](#)

GIC Well ID 2089711
GoA Well Tag No. A8886
Drilling Company Well ID
Date Report Received 2024/01/15

GOWN ID

Well Identification and Location										Measurement in Metric	
Owner Name		Address			Town		Province		Country	Postal Code	
STONEBROOK FARMS							ALBERTA		CANADA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description	WELL #1	
	5	14	41	27	4						
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation	
					Latitude 52.528147 Longitude -113.791181					270.05 m	
					How Location Obtained					How Elevation Obtained	
					Differential corrected handheld GPS 5-10m					Differential corrected handheld GPS 5-10m	

Drilling Information	
Method of Drilling Rotary - Air	Type of Work New Well
Proposed Well Use Stock	

Formation Log			Measurement in Metric
Depth from ground level (m)	Water Bearing	Lithology Description	
3.05		Brown Clay & Rocks	
10.67		Brown Shale	
12.80		Brown Clay	
13.72		Brown Loose Sand	
16.46	Yes	Sand & Gravel	
19.81		Gray Shale	
21.95	Yes	Gray Sandstone	
23.47		Gray Shale	
29.87	Yes	Gray Sandstone	
32.61		Gray Shale	
35.05	Yes	Gray Sandstone	
39.32		Gray Shale	
48.77	Yes	Gray Fine Grained Sandstone	

Yield Test Summary			Measurement in Metric
Recommended Pump Rate 45.46 L/min			
Test Date	Water Removal Rate (L/min)	Static Water Level (m)	
2023/12/20	43.78	25.05	

Well Completion			Measurement in Metric
Total Depth Drilled	Finished Well Depth	Start Date	End Date
48.77 m	48.77 m	2023/12/13	2023/12/13
Borehole			
Diameter (cm)	From (m)	To (m)	
33.02	0.00	1.52	
15.56	1.52	35.36	
13.02	35.36	48.77	
Surface Casing (if applicable)		Well Casing/Liner	
Steel		Plastic	
Size OD	16.83 cm	Size OD	11.43 cm
Wall Thickness	0.478 cm	Wall Thickness	0.544 cm
Bottom at	24.38 m	Top at	6.10 m
		Bottom at	48.77 m
Perforations			
From (m)	To (m)	Diameter or Slot Width (cm)	Slot Length (cm)
36.58	48.77	0.051	7.62
Hole or Slot Interval (cm)			
2.54			
Perforated by Machine			
Annular Seal Bentonite Slurry			
Placed from 0.00 m to 35.36 m			
Amount 4.00 Bags			
Other Seals			
Type		At (m)	
Drive Shoe		24.38	
Shale Trap		35.36	
Shale Trap		35.05	
Screen Type			
Size OD		cm	
From (m)	To (m)	Slot Size (cm)	
Attachment			
Top Fittings		Bottom Fittings	
Pack			
Type		Grain Size	

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well TYSON SCHMIDT	Certification No 210493A
Company Name DARCY'S DRILLING SERVICES LTD.	Copy of Well report provided to owner Yes
	Date approval holder signed 2024/01/15



Water Well Drilling Report

[View in Imperial](#) [Export to Excel](#)

GIC Well ID 2089711
GoA Well Tag No. A8886
Drilling Company Well ID
Date Report Received 2024/01/15

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

GOWN ID

Well Identification and Location										Measurement in Metric	
Owner Name		Address			Town		Province		Country	Postal Code	
STONEBROOK FARMS							ALBERTA		CANADA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		14	41	27	4				WELL #1		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)					Elevation	
_____ m from					Latitude 52.528147 Longitude -113.791181					270.05 m	
_____ m from					How Location Obtained					How Elevation Obtained	
					Differential corrected handheld GPS 5-10m					Differential corrected handheld GPS 5-10m	

Additional Information		Amount	Measurement in Metric
Distance From Top of Casing to Ground Level		71.12 cm	
Is Artesian Flow			Is Flow Control Installed
Rate _____ L/min			Describe _____
Recommended Pump Rate		45.46 L/min	Pump Installed _____ Depth _____ m
Recommended Pump Intake Depth (From TOC)		35.97 m	Type _____ Make _____ H.P. _____
			Model (Output Rating) _____
Did you Encounter Saline Water (>4000 ppm TDS)		Depth _____ m	Well Disinfected Upon Completion Yes _____
Gas _____		Depth _____ m	Geophysical Log Taken _____
Remedial Action Taken			Submitted to ESRD _____
Additional Comments on Well		Sample Collected for Potability _____	Submitted to ESRD _____
ADDITIONAL 2 PAILS OF BENTONITE PELLETS AND 5 BAGS OF BENTONITE CHIPS IN THE ANNULAR SEAL. 4 GPG HARDNESS			

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
TYSON SCHMIDT	210493A
Company Name	Copy of Well report provided to owner
DARCY'S DRILLING SERVICES LTD.	Yes
	Date approval holder signed
	2024/01/15

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Water Well Drilling Report

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GIC Well ID 2089711
GoA Well Tag No. A8886
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GOWN ID

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Owner Name		Address			Town		Province		Country	Postal Code	
STONEBROOK FARMS							ALBERTA		CANADA		
Location	1/4 or LSD	SEC	TWP	RGE	W of MER	Lot	Block	Plan	Additional Description		
5		14	41	27	4				WELL #1		
Measured from Boundary of					GPS Coordinates in Decimal Degrees (NAD 83)						
_____ m from					Latitude <u>52.528147</u> Longitude <u>-113.791181</u>					Elevation <u>270.05 m</u>	
_____ m from					How Location Obtained					How Elevation Obtained	
					Differential corrected handheld GPS 5-10m					Differential corrected handheld GPS 5-10m	

Yield Test		Taken From Top of Casing		Measurement in Metric	
		Depth to water level			
Test Date	Start Time	Static Water Level	Pumping (m)	Elapsed Time	Recovery (m)
2023/12/20	3:00 PM	25.05 m		Minutes:Sec	
Method of Water Removal			25.05	0:00	28.30
Type Pump			26.67	1:00	26.48
Removal Rate <u>43.78 L/min</u>			26.94	2:00	26.27
Depth Withdrawn From <u>37.50 m</u>			27.05	3:00	26.21
			27.07	4:00	26.17
			27.13	6:00	26.12
			27.17	8:00	26.09
			27.20	10:00	26.06
			27.26	13:00	26.03
			27.26	16:00	26.01
			27.30	20:00	25.98
			27.33	25:00	25.95
			27.37	32:00	25.92
			27.40	40:00	25.88
			27.43	50:00	25.85
			27.48	64:00	25.81
			27.51	80:00	25.77
			27.57	100:00	25.73
			27.60	120:00	25.70
			27.66	150:00	25.65
			27.71	190:00	25.60
			27.76	240:00	25.55
			27.84	300:00	25.50
			27.89	380:00	25.45
			27.96	480:00	25.40
			28.03	600:00	25.35
			28.10	760:00	25.29
			28.18	960:00	25.24
			28.24	1200:00	25.19
			28.30	1441:00	25.15
			Pump Test Attachments		
			AT1_table.pdf		

Water Diverted for Drilling		
Water Source	Amount Taken	Diversion Date & Time
TOWN OF PONOKA	5455.31 L	2023/12/12 4:00 PM

Contractor Certification	
Name of Journeyman responsible for drilling/construction of well	Certification No
TYSON SCHMIDT	210493A
Company Name	Copy of Well report provided to owner
DARCY'S DRILLING SERVICES LTD.	Yes
	Date approval holder signed
	2024/01/15

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

Neighbour name(s)	Legal land description	Distance (m)	NRCB USE ONLY				
			Zoning (LUB) category	MDS category (1-4)	Distance (m)	Waiver attached (if required)	Meets regulations
Grant & Colleen Salmon	SE 22-41-27-W4	662					
Eric Hyink	NE 14-41-27-W4	621					
Robin Fischer	SW 14-41-27-W4	743					
Joe Luyks	SE 14-41-27-W4	736					
Henny Bos	SE 21-41-27-W4	1150					

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)
Stonybrook Farms Ltd	See Additional Info Below	168	Black		
Joute Meinema	See attached	176	Black		
Grant & Colleen Salmon	See attached	133	Black		
Brian Ganson	See attached	113	Black		
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)

Stonybrook Farms Ltd land base for manure and compost application:

SW 14-41-27-W4 - 56ha

NW 14-41-27-W4 - 56ha

SW 23-41-27-W4 - 56ha

Salmon: SE-22-41-27-W4 100 ac

NE-15-41-27-W4 100 ac

SE-15-41-27-W4 130 ac

Total: 330 ac/133 ha

Joute Meinema: SE-33-41-27-W4 155 ac

SW-33-41-27-W4 140 ac

NW-28-41-27-W4 140 ac

Total: 435 ac/176 ha

Brian Ganson: NW-17-41-26-W4 150 ac

SE-19-41-26-W4 130 ac

Total: 280 ac/ 113 ha

Last updated September 11, 2023

Land Use Agreement - Manure and Compost Application

February 12, 2018

I/we on behalf of Brian Ganson, give Stonybrook Farms Ltd. permission to apply manure and or compost on the following land:

Legal Land Coordinates:	Farmable Land (approx):
NW 17-41-26-W4M	150 acres


Brian Ganson

Land Use Agreement - Manure and Compost Application

February 12, 2018

I/We on behalf of Ganson Farms Ltd., give Stonybrook Farms Ltd. permission to apply manure and or compost on the following land:

Legal Land Coordinates:	Farmable Land (approx):
SE 19-41-26-W4M	130 acres


Brian Ganson

Land Use Agreement.txt
Land Use Agreement - Manure and Compost Application

February 9, 2018

I/We on behalf of Meinema Farms LTD, give Stonybrook Farms Ltd. permission to apply manure and or compost on the following land:

Legal Land Coordinates:	Farmable Land (approx):
SE33-41-27 W4	155
SW33-41-27 W4	140
NW28-41-27 W4	140



Joute Meinema

Land Use Agreement.txt
Land Use Agreement - Manure and Compost Application

January 10, 2018

I/we Grant and Colleen Salmon, give Stonybrook Farms Ltd. permission to apply manure and or compost on the following land:

Legal Land Coordinates:	Farmable Land (approx):
SE 22-41-27-W4M	100 acres
NE 15-41-27-W4M	100 acres
SE 15-41-27-W4M	130 acres


Grant Salmon


Colleen Salmon

Part 2 – Technical Requirements

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

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

Facility description / name (as indicated on site plan)

1. Heifer Barn

2. Manure storage pad

Manure storage capacity

	Length (m)	Width (m)	Depth below grade to the bottom of the liner (m)	NRCB USE ONLY Estimated storage capacity (m ³)
1.	180	20	.5	
2.	23	15	0	
TOTAL CAPACITY				

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

Surface water control systems

Describe the run-on and runoff control system

The livestock and associated solid manure & compost materials will be completely contained within the barn and will not be in contact at any time with surface water run-on or runoff. The surface grading around the perimeter of the barn shall be designed to shed surface water away from the barn. Surface water will be controlled by the walls and roof of the building, as well as the finished landscaping around the building.

Liner protection

Describe how the physical integrity of the liner will be maintained

The design of the concrete liner will be engineered and will meet and exceed all applicable requirements for containment. The concrete will be visually inspected twice annually at time of manure & compost clean out, to ensure physical integrity of the concrete liner is continually maintained.

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO

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

Concrete liner details

Concrete thickness 4 inches	Method of sulphate protection: Type 50 or Type 10 with 20% flyash
Concrete strength 30MPa at 28 days	Concrete reinforcement size and spacing 10mm rebar, 12" on center in both directions

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

Guideline minimums:

Solid manure: 25MPa (D)

Solid manure (wet): 30MPa (C)

Method of sulphate protection:

Type 50 or Type 10 with fly ash or equivalent

NRCB USE ONLY

Requirements met: ☐ YES ☐ NO

Condition required: ☐ YES ☐ NO

Report attached: ☐ YES ☐ NO

Additional information (attach as required)

NRCB USE ONLY

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

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

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

ERST completed: ☐ see ERST page for details

Surface water control systems

Requirements met: ☐ YES ☐ NO Details/comments:

Concrete liner details

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



- NOTES CONCERNING BUILDING LOCATION**
1. THIS SITE PLAN IS BASED ON INFORMATION PROVIDED BY THE OWNER AND NOT A SURVEY OR ACTUAL SITE MEASUREMENTS. ENGINEERS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UNKNOWN FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OR FUTURE USE.
 2. THE "NORTH" ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
 3. 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 ALBERTA LAND SURVEYOR.
 4. LANDSCAPING IS SUBJECT TO CHANGE.

BYLAW INFORMATION

ZONING: AGRICULTURE DISTRICT (A)

SETBACKS

FRONT YARD (m)

CENTRELINE OF "PAVE" ROAD TO BUILDING = 33.34m (09'-0")

CENTRELINE OF "PAVE" ROAD TO VEGETATION = 30.48m (100'-0")

CENTRELINE OF "GRAVEL" ROAD TO BUILDING = 38.10m (125'-0")

CENTRELINE OF "GRAVEL" ROAD TO VEGETATION = 33.36m (109'-0")

SIDE YARD (m)

PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (25'-0")

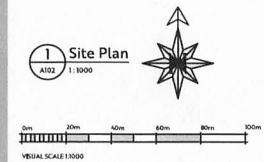
REAR YARD (m)

PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (25'-0")

SITE PLAN LEGEND	
PROPERTY LINE	
SETBACK LINE	
RIGHT OF WAY LINE	
RIGHT OF WAY FATHER	
PROPOSED BUILDING	
FENCE	
MAIN DOOR	
OVERHEAD DOOR	
BARBER TREE	
ENTRANCE	

Site Schedule		
ON SITE		
APRON	1,394.8 m ²	15,013.33 sq ft
MANURE PAD	233.3 m ²	2,500.00 sq ft
	1,628.1 m ²	17,513.33 sq ft
Grand total	1,627.0 m ²	17,513.33 sq ft

SITE MATERIAL LEGEND	
	APRON
	SIDEWALK
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	GRAVEL
	LANDSCAPING
	HARD LANDSCAPING
	MULCH



PRELIMINARY
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EAGLE BUILDERS
(403) 855-5323 P.O. BOX 1690
BLACKHILLS, AB. T0M 0T0

Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

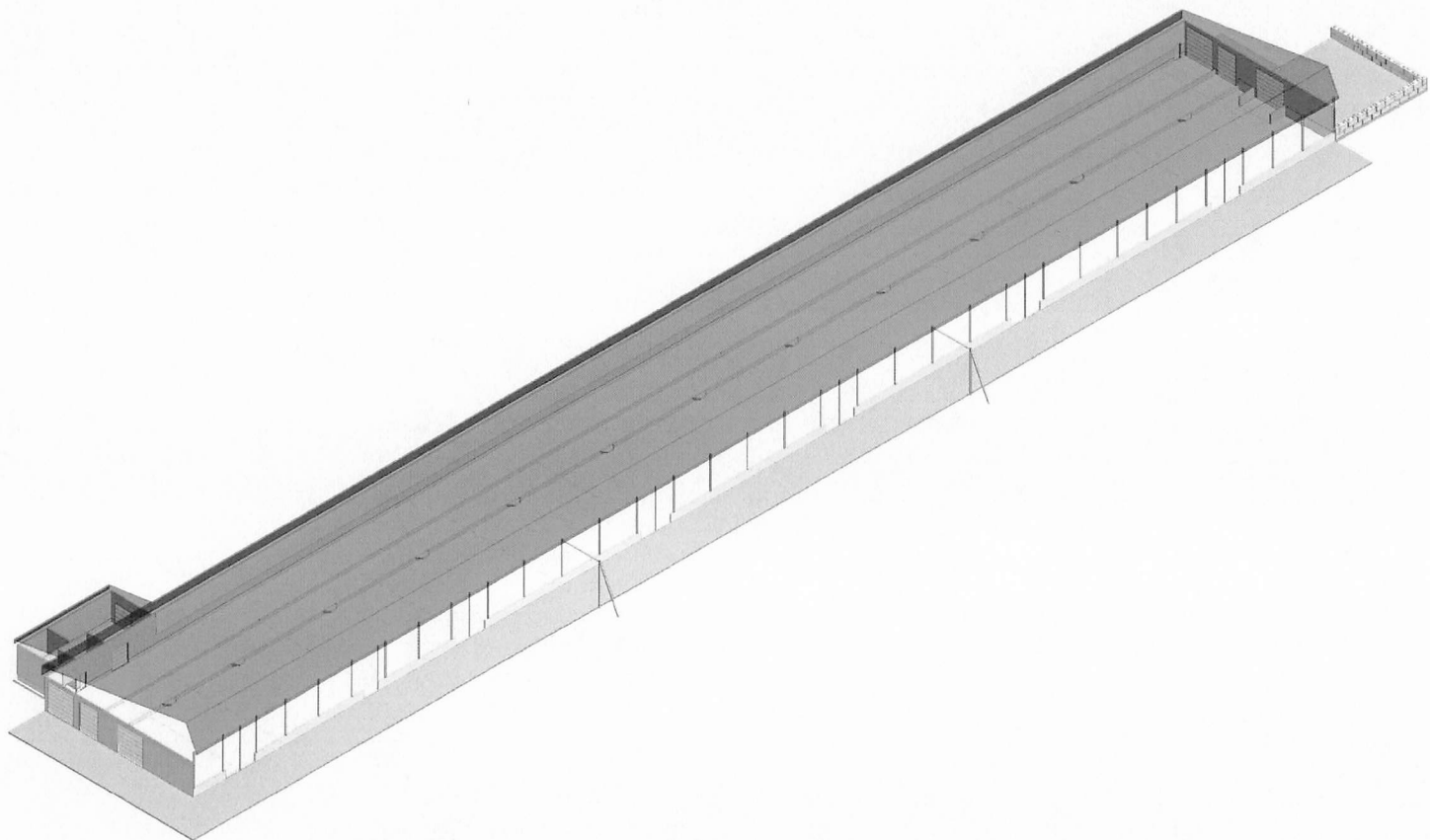
NO.	DESCRIPTION	DATE
1	ISSUED FOR PRELIMINARY REVIEW	2023-04-27
2	ISSUED FOR PRELIMINARY REVIEW	2023-05-03
3	ISSUED FOR PRELIMINARY REVIEW	2023-05-10

Project No: A23425
Date: 10/18/2023
12:29:26 PM
Drawn by: JC, KS
Checked by: JC
Sheet Name:

Site Plan

Sheet No:
A102

Stonybrook Farms



SYMBOL LEGEND	
CONSTRUCTION REFERENCE	CONSTRUCTION TAG
FINISH REFERENCE	EXTERIOR FINISH TAG
GRID NUMBER	GRID BUBBLE
DOOR REFERENCE	DOOR TAG
ROOM NUMBER	ROOM NAME
DESCRIPTION	1/2 FLOOR
ELEVATION	ELEVATION DATUM
DRAWING NUMBER	BUILDING SECTION CALLOUT
SHEET NUMBER	ELEVATION CALLOUT
DRAWING NUMBER	ELEVATION DATUM
WINDOW REFERENCE	WINDOW TAG
ELEVATION	ELEVATION TAG
DRAWING TITLE	DRAWING TITLE
DRAWING NUMBER	1 Floor Plan
SHEET NUMBER	A2.0
SHEET NUMBER	SCALE 1/8" = 1'-0"

DRAWING INDEX

Sheet Number	Sheet Name	Current Revision
A000	Index	D
A101	Footback Plan	D
A102	Site Plan	D
A301	Floor Plan Overall	C
A302	Enlarged Floor Plan	C
A303	Enlarged Floor Plan	C
A401	Building Sections	C
A402	Building Sections	C

Sheet Count: 8

Lacombe County, Alberta

Heifer Barn

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design studio ltd.

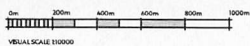
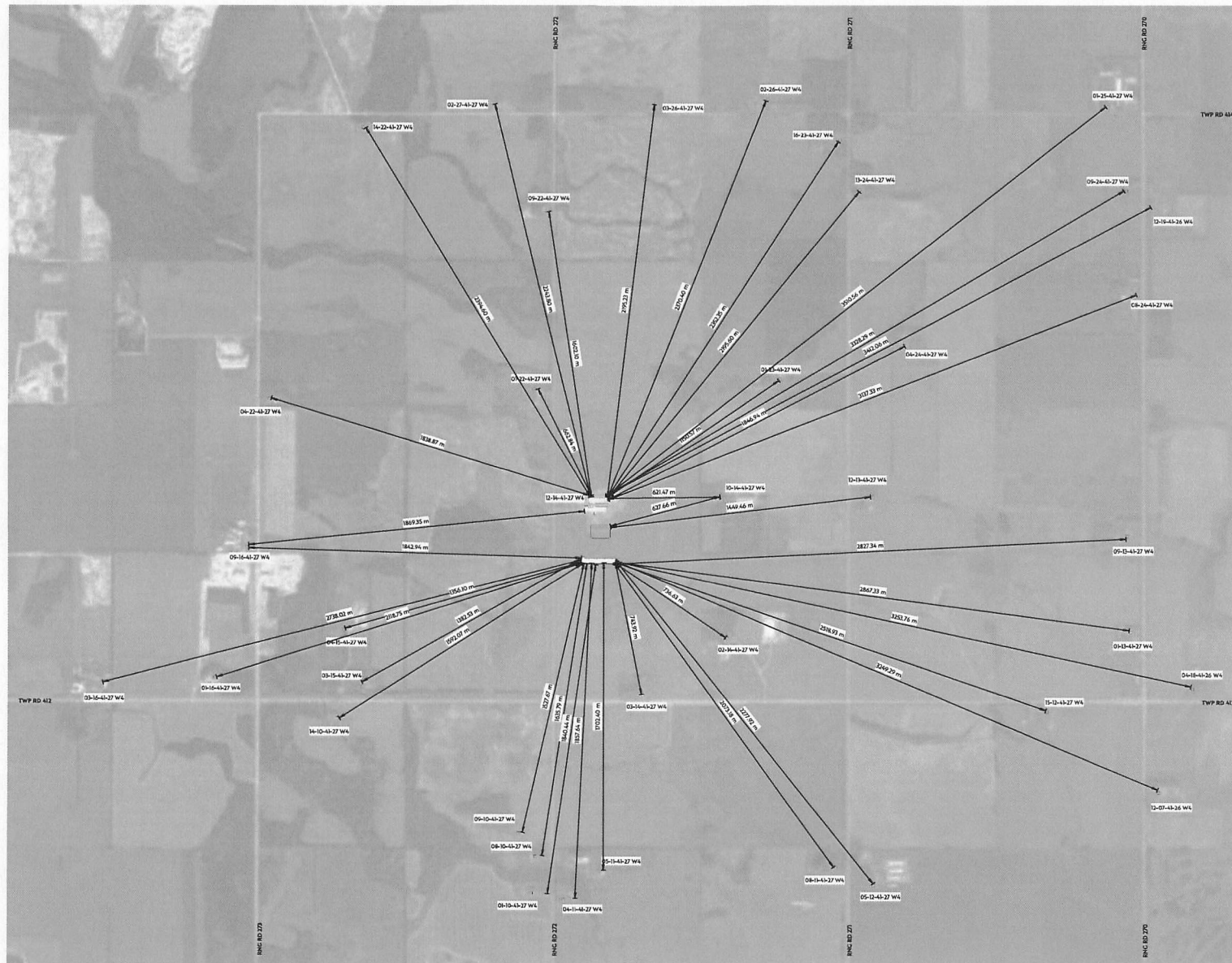
EAGLE
BUILDERS
14018 855-5225 P.O. BOX 990
BLACKFALDS, AB T0M 0T0

Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

NO.	DESCRIPTION	DATE
1	ISSUED FOR PRELIMINARY REVIEW	2023-09-20
2	REVISED FOR PRELIMINARY REVIEW	2023-09-20
3	REVISED FOR PRELIMINARY REVIEW	2023-09-20
4	REVISED FOR PRELIMINARY REVIEW	2023-09-20

Project No: A23425
Date: 10/18/2023
12:29:24 PM
Drawn by: JC KS
Checked by: JC
Sheet Name:

Index
Sheet No:
A000



1 Setback Plan
A101 1:10000



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Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

NO.	DESCRIPTION	DATE
1	BASED ON PRELIMINARY REVIEW	2023-02-02
2	BASED ON PRELIMINARY REVIEW	2023-02-02
3	BASED ON PRELIMINARY REVIEW	2023-02-02

Project No: A23425
Date: 10/16/2023
12:29:23 PM
Drawn by: JC, KS
Checked by: JC
Sheet Name:

Setback Plan

Sheet No:
A101



NOTES CONCERNING BUILDING LOCATION

1. THIS SITE PLAN IS BASED ON INFORMATION PROVIDED BY THE OWNER, AND NOT A SURVEY OR ACTUAL SITE MEASUREMENTS. ENGINEER IS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UNKNOWN FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OR FUTURE USE.
2. THE "NORTH" ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
3. 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 ALBERTA LAND SURVEYOR.
4. LANDSCAPING IS SUBJECT TO CHANGE.

BYLAW INFORMATION

ZONING: AGRICULTURE DISTRICT (A)

SETBACKS

FRONT YARD (FV)

CENTERLINE OF "PAVE" ROAD TO BUILDING = 13.34m (29'-0")

CENTERLINE OF "PAVE" ROAD TO VEGETATION = 30.48m (100'-0")

CENTERLINE OF "GRAVEL" ROAD TO BUILDING = 38.10m (125'-0")

CENTERLINE OF "GRAVEL" ROAD TO VEGETATION = 28.86m (95'-0")

SIDE YARD (SV)

PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (25'-0")

SIDE YARD (SV)

PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (25'-0")

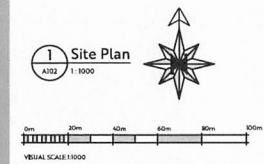
REAR YARD (RV)

PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (25'-0")

SITE PLAN LEGEND	
PROPERTY LINE	---
SETBACK LINE	---
RIGHT OF WAY LINE	---
RIGHT OF WAY HATCH	---
PROPOSED BUILDING	---
FENCE	---
MAIN DOOR	---
OVERHEAD DOOR	---
BARBER TREE	---
ENTRANCE	---

Site Schedule		
ON SITE		
APRON	1,394.8 m²	15,013.33 ft²
HAZARD PAD	2,023.3 m²	2,000.89 ft²
	1,627.0 m²	17,513.33 ft²
Grand total	1,627.0 m²	17,513.33 ft²

SITE MATERIAL LEGEND	
APRON	---
SEWALK	---
LIGHT DUTY ASPHALT	---
HEAVY DUTY ASPHALT	---
GRAVEL	---
LANDSCAPING	---
HARD LANDSCAPING	---
MULCH	---



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EAGLE BUILDERS

1408 85-5521 P.O. BOX 980
BLACKFALD, AL. T0M 010

Stonybrook Farms

Heifer Barn

Lacombe County, Alberta

12-14-41-27 W4

NO.	DESCRIPTION	DATE
A	DESIGNED FOR PRELIMINARY REVIEW	2023-04-01
B	REVISED FOR PRELIMINARY REVIEW	2023-04-01
C	REVISED FOR PRELIMINARY REVIEW	2023-04-01

Project No: A23415

Date: 10/16/2023

Drawn by: JC, KS

Checked by: JC

Sheet Name:

Site Plan

Sheet No: A102

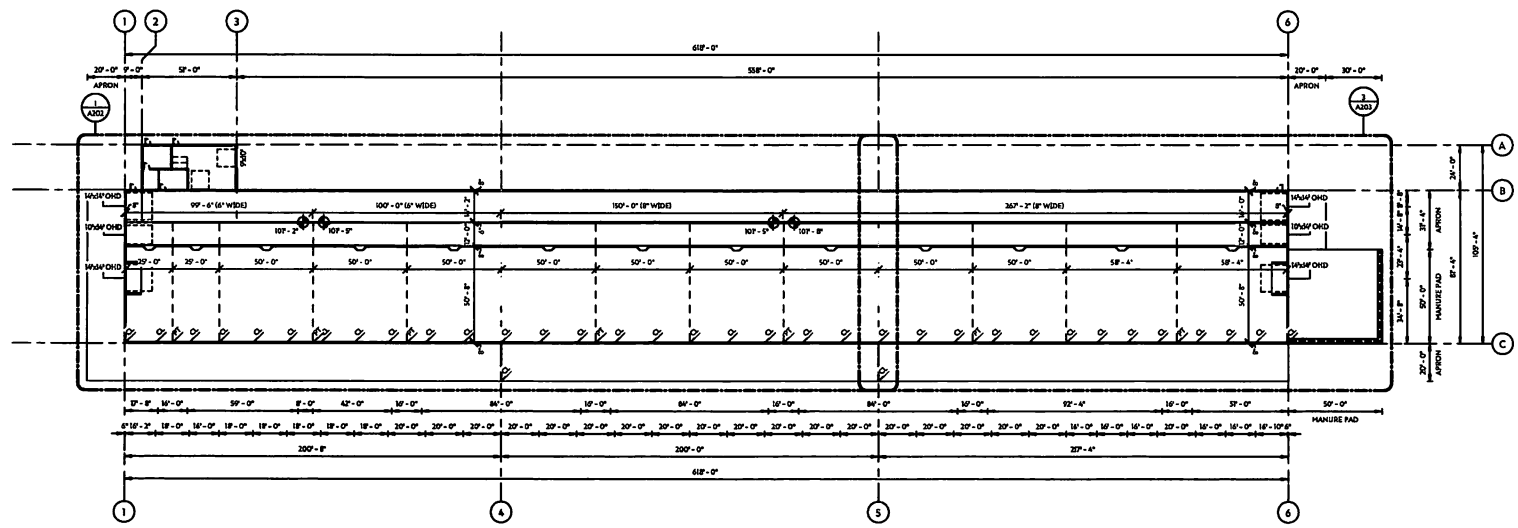
PRELIMINARY

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Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

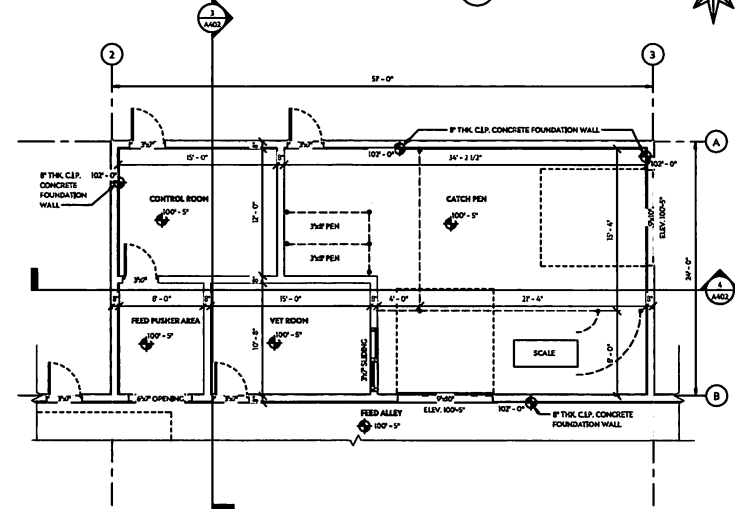
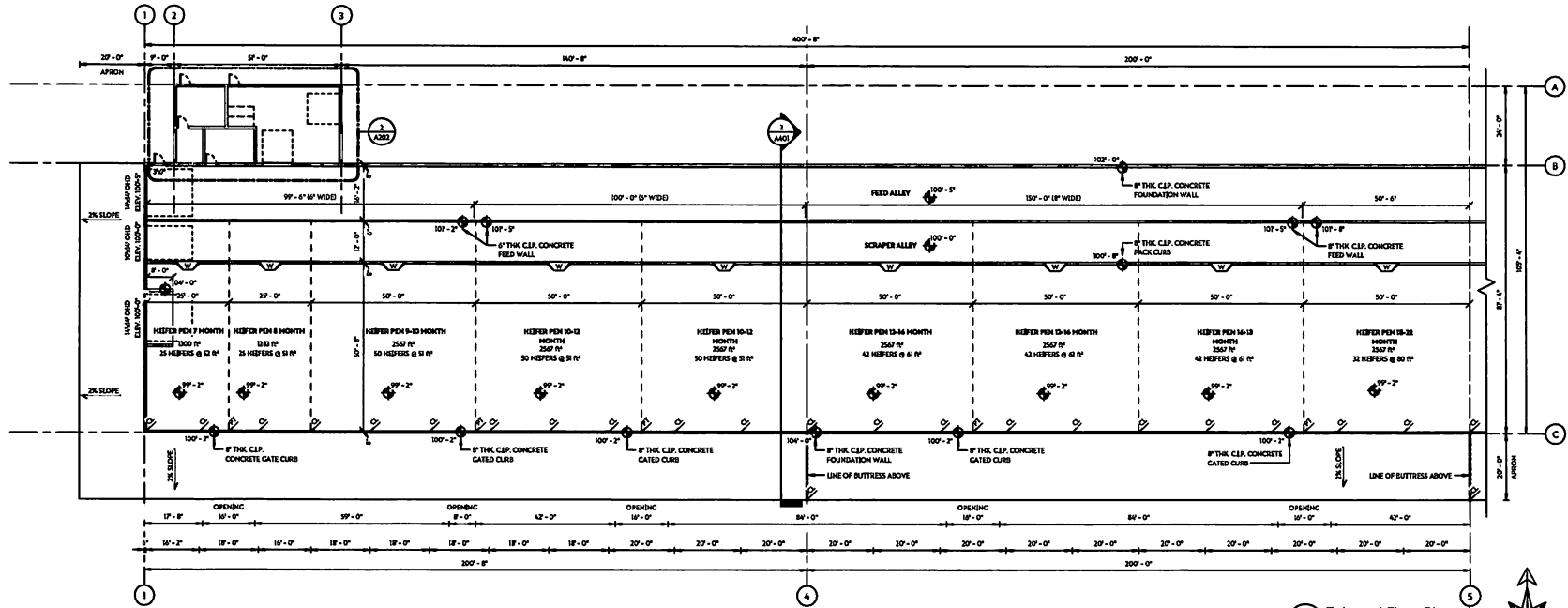


1 Overall Floor Plan
A201 T = 3/32"



PROJECT	DATE
12-14-41-27 W4	12/18/2023
DESIGNED BY	DRAWN BY
JC	JC
CHECKED BY	DATE
JC	12/18/2023
SHEET NAME	
Floor Plan Overall	

Sheet No:
A201



PRELIMINARY

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EAGLE BUILDERS
6402 96-4525 P.O. BOX 1890
BLACKFALDS, AB T0M 0D0

Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

DATE	DESCRIPTION
12/15/2023	ISSUED FOR PRELIMINARY REVIEW
12/15/2023	1
12/15/2023	2
12/15/2023	3
12/15/2023	4
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12/15/2023	100

Enlarged Floor Plan

Sheet No:
A202

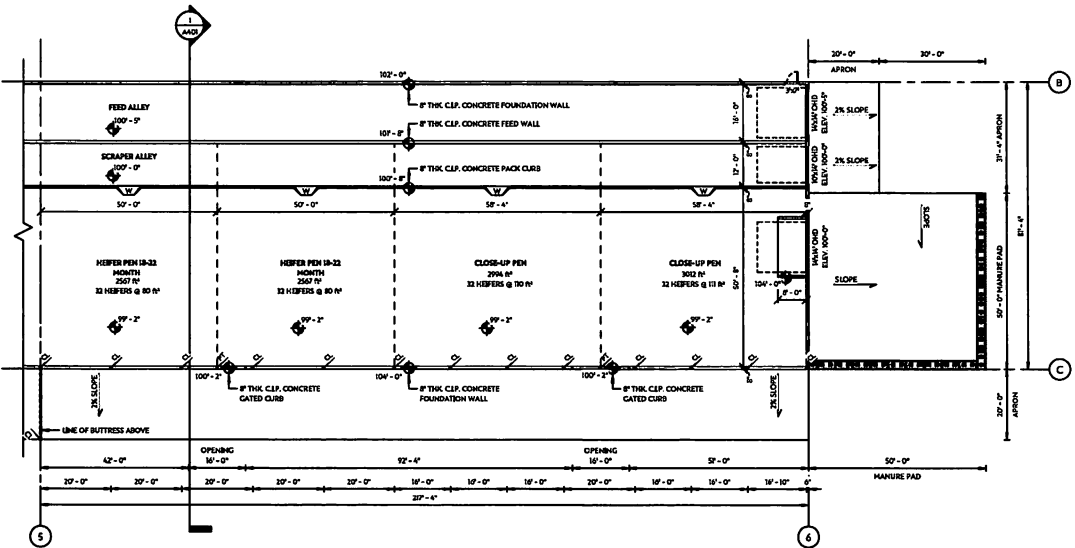
PRELIMINARY

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design studio ltd.

**EAGLE
BUILDERS**
6608 885-8825 P.O. BOX 1090
BLACKFALDS, AL. T0N 0X0

Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4



3 Enlarged Floor Plan - C
ADD 1/16\"/>

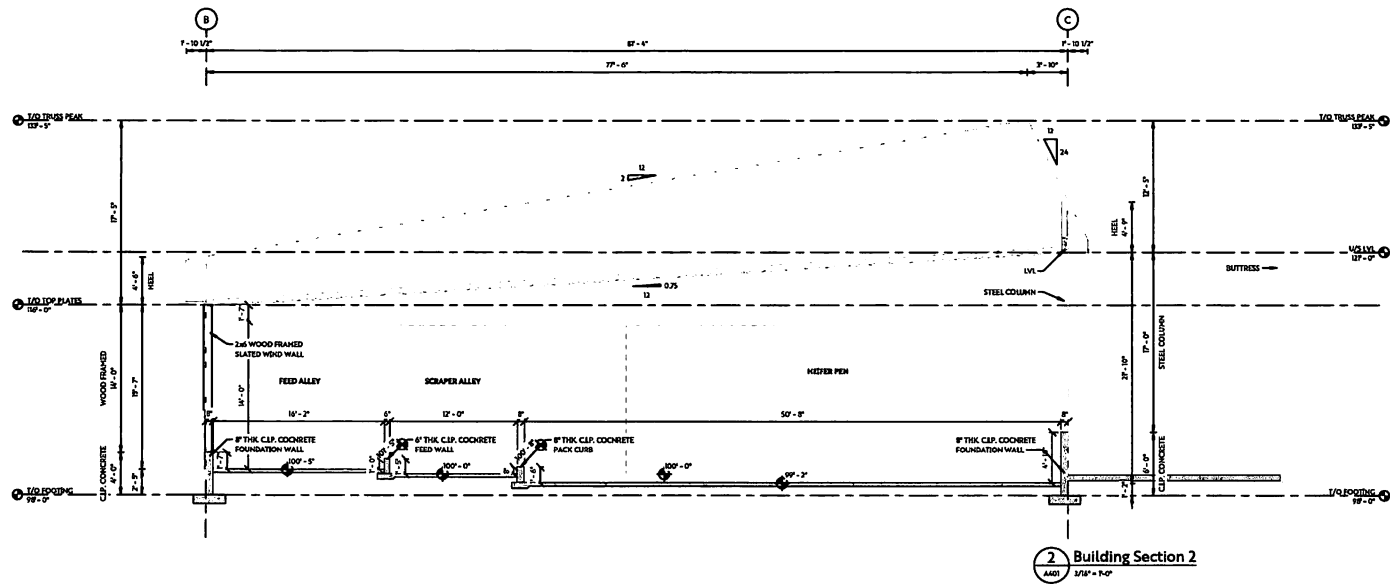
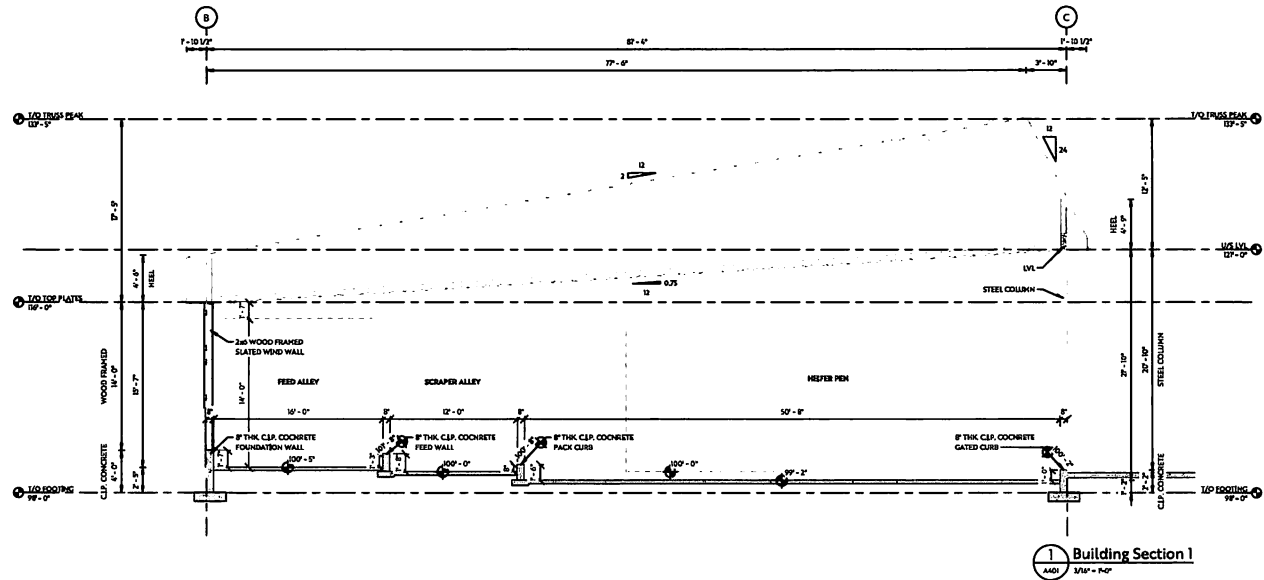


NO.	DESCRIPTION	DATE
1	DESIGNED FOR PRELIMINARY REVIEW	2023-09-04
2		
3		

Project No: A23425
Date: 10/19/2023
12:39:20 PM
Drawn by: JC JS
Checked by: JC
Sheet Name:

Enlarged Floor
Plan

Sheet No:
A203



PRELIMINARY

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6403 885-0525 P.O. BOX 1090
BLACKFALDS, ALB. T0N 2G0

Stonybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMIT REVIEW	2023-08-23

Project No: A29425
Date: 10/18/2023
12:30:21 PM
Drawn by: JC, KS
Checked by: JC
Sheet Name:

Building
Sections

Short No:
A401



<https://r3.a2/dt6j>



NOTES CONCERNING BUILDING LOCATION

1. THIS SITE PLAN IS BASED ON INFORMATION PROVIDED BY THE OWNER, AND NOT A SURVEY OR ACTUAL SITE MEASUREMENTS. ENGINEER IS TO BE ADVISED BEFORE START OF CONSTRUCTION OF ANY UNKNOWING FEATURES ON THIS OR THE ADJACENT SITES THAT MIGHT IMPACT ON THE PROJECT EITHER DURING CONSTRUCTION OR FUTURE USE.
2. THE "NORTH" ORIENTATION REFERS TO NOMINAL NORTH RATHER THAN TRUE OR MAGNETIC NORTH.
3. 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 ALBERTA LAND SURVEYOR.
4. LANDSCAPING IS SUBJECT TO CHANGE.

BYLAW INFORMATION

ZONING: AGRICULTURE DISTRICT (A)

SETBACKS

FRONT YARD (F):

- CENTERLINE OF "PAVED" ROAD TO BUILDING = 53.34m (D2-D1)
- CENTERLINE OF "PAVED" ROAD TO VEGETATION = 30.48m (D2-D1)
- CENTERLINE OF "GRAVEL" ROAD TO BUILDING = 38.10m (D2-D1)
- CENTERLINE OF "GRAVEL" ROAD TO VEGETATION = 23.81m (D2-D1)

SIDE YARD (S):

- PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (D3-D1)

REAR YARD (R):

- PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (D3-D1)
- PROPERTY LINE OF AGRICULTURE DISTRICT = 7.62m (D3-D1)

SITE PLAN LEGEND

PROPERTY LINE	
SETBACK LINE	
RIGHT OF WAY LINE	
RIGHT OF WAY HATCH	
PROPOSED BUILDING	
FENCE	
MAIN DOOR	
OVERHEAD DOOR	
BARBER FREE	
ENTRANCE	

Site Schedule

ON SITE		
APRON	1,394.8 m ²	15,013.33 m ²
MANURE PAD	292.3 m ²	2,550.00 m ²
	1,627.0 m ²	17,563.33 m ²
Grand total	1,627.0 m ²	17,563.33 m ²

SITE MATERIAL LEGEND

	APRON
	SEWALK
	LIGHT DUTY ASPHALT
	HEAVY DUTY ASPHALT
	GRAVEL
	LANDSCAPING
	HARD LANDSCAPING
	MULCH

1 Site Plan
A102 1:1000

0m 20m 40m 60m 80m 100m
VISUAL SCALE 1:1000



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EAGLE BUILDERS
1409 885-5535 P.O. BOX 1690
BLACKFALDS, AB, T0M 0G0

Storybrook Farms
Heifer Barn
Lacombe County, Alberta
12-14-41-27 W4

DESCRIPTION	DATE
DESIGNED	2023-02-20
REVIEWED	2023-02-20
ISSUED FOR PRELIMINARY REVIEW	2023-02-20

Project No: A23425
Date: 10/18/2023
12:29:26 PM
Drawn by: JC, KS
Checked by: JC
Sheet Name:

Site Plan
Sheet No:
A102