

Guidelines For Estimating **Cow-Calf Production Costs** Based on a 150 Head Cow Herd

Date: September, 2006

This guide is designed to provide you with planning information and a format for calculating costs of production of a cow calf enterprise. Adjustments will be necessary when applying these figures to your own enterprise.

The budget estimates are based on a number of assumptions which are clearly defined in the supporting pages. Productivity and performance assumptions are based on data supplied by specialists as well as data collected from certain producers. Input costs are based on recommended practices and/or information obtained from producers. Good management is assumed in that a balanced ration is being fed, livestock are on a herd health program and handling facilities are included.

Disclaimer: This budget is only a guide and is not intended as an in depth study of the cost of production of the Manitoba cattle industry. Interpretation and utilization of this information is the responsibility of the user. If you require assistance with developing your individual budget, please contact your local MAFRI Business Development Specialist or Livestock Farm Production Extension Specialist.

Cow-Calf Production Costs September, 2006
Based on a 150 Cow Herd

A. Operating Costs	<u>Cost/Cow</u>	<u>Total Cost</u>	<u>Your Cost</u>
1. Feed Costs			
1.01 Grain	\$5.88	\$882	_____
1.02 Hay	\$173.50	\$26,025	_____
1.03 Salt & Minerals	<u>\$20.30</u>	<u>\$3,045</u>	_____
Total Feed Cost	\$199.68	\$29,952	_____
2. Other Operating Costs			
2.01 Straw	\$20.00	\$3,000	_____
2.02 Veterinary Medicine & Supplies	\$19.73	\$2,960	_____
2.03 Breeding Costs	\$33.57	\$5,036	_____
2.04 Fuel, Maintenance & Repairs	\$27.34	\$4,101	_____
2.05 Utilities	\$10.00	\$1,500	_____
2.06 Marketing & Transportation	\$21.73	\$3,260	_____
2.07 Death Loss	\$10.31	\$1,547	_____
2.08 Manure Removal	\$16.67	\$2,501	_____
2.09 Insurance	\$9.01	\$1,352	_____
2.10 Herd Replacement	\$75.00	\$11,250	_____
2.11 Miscellaneous	<u>\$6.67</u>	<u>\$1,001</u>	_____
Subtotal Operating Costs	\$449.71	\$67,460	_____
2.12 Operating Interest	<u>\$14.05</u>	<u>\$2,108</u>	_____
Total Operating Costs	\$463.77	\$69,568	_____
B. Fixed Costs			
3. Depreciation			
3.01 Buildings	\$16.78	\$2,517	_____
3.02 Machinery & Equipment	\$42.67	\$6,401	_____
4. Investment			
4.01 Buildings	\$5.87	\$881	_____
4.02 Machinery & Equipment	\$11.20	\$1,680	_____
4.03 Livestock	\$28.88	\$4,331	_____
4.04 Pasture Land & Fencing	<u>\$67.20</u>	<u>\$10,080</u>	_____
Total Fixed Costs	\$172.60	\$25,890	_____
Total Operating and Fixed Costs	\$636.36	\$95,458	_____
C. Labour	<u>\$99.00</u>	<u>\$14,850</u>	_____
Total Cost of Production	\$735.36	\$110,308	_____
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Breakeven price	<u>\$/cwt</u>		
A. Operating Costs	\$84.90		_____
B. Operating & Fixed Costs	\$116.50		_____
C. Operating, Fixed & Labour Costs	\$134.62		_____

Breakeven Price \$/cwt = Cost ÷ 95% calf crop ÷ calf weight (5.75cwt)

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Cow-Calf Production Costs - Input

Assumptions

1. This budget outlines the cost of production for a cow-calf operation.
2. Buildings and equipment are valued at new cost.
3. All feed is purchased.
4. Manure haulage is contracted out.
5. Replacement heifers are valued at fair market value

Herd Profile

	<u>Total</u>	
Number of Cows	150	head
Number of Bulls	6	bulls
Calf Crop	95.00	%
Average Calf Weight	575	lbs
Cow Mortality Rate	1.25	%
Calf Market Price	\$118.00	/cwt
Cow Replacement Rate	12.00	%
Bull Replacement Rate	25.00	%

Feed Costs & Requirements

	<u>Feed Cost</u>	<u>Feed Requirement</u>		
	<u>\$/unit</u>	<u>/Cow</u>	<u>/Bull</u>	
Barley	\$2.35 /bu	2.00	7.00	lbs/day
Days/Year on Barley		60	120	days
Hay (Good Quality)	\$55.00 /ton	2.5	4.00	tons/yr
Hay (Low Quality)	\$30.00 /ton	1.2	0.00	tons/yr
Salt	\$0.10 /lb	35.00		n/a lbs/year
Minerals	\$0.48 /lb	35.00		n/a lbs/year

FOOTNOTE: 1 bushel (bu) barley = 48 lbs = 21.8 kg

Other Operating Costs

Straw

Number of Tons/Cow/Year	1.0
Number of Tons/Bull/Year	1.0
Cost/Ton	\$20.00

Veterinary Medicine & Supplies

Calf Medication

Blackleg (8 way vaccine)	\$0.57 /head
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Tags	\$3.00 /head
Cow Medication	
IBR/PI3/BVD	\$3.00 /head
Scourguard	\$3.45 /head
Internal external parasite control antibiotics, etc.	\$4.77 /head
ADE	\$0.65 /head
Herd Health Program	
Professional Services	
Total Yearly Hours	6 hours
Rate	\$135.00 /hour
Transportation	
Total Kilometers (round trip)	80 km
Rate	\$0.90 /km
Number of yearly visits	4
Breeding Costs	
Health Management Costs	\$10.00 /bull
Semen Test	\$55.00 /bull
Replacement of Bulls	
Original Cost	\$2,200.00 /bull
Salvage Value	\$700.00 /bull
Pasture Cost	\$67.20 /bull
Other Breeding Alternatives	
a) Artificial Insemination	
Cost/Cow or Heifer	\$0.00
Number Inseminated	0
b) P.F.R.A. Community Pasture	
Cost/Cow or Heifer	\$0.00
Number of Cows placed in Pasture	0
Fuel, Oil, Repairs & Maintenance	
Machinery - fuel costs	\$1,800.00
- repairs	\$1,300.00
Buildings, fences etc.	\$1,000.00
Other Operating Costs	
Utilities	
Hydro	\$750.00
Telephone	\$750.00

Marketing & Transportation (Culls)

a) Trucking:	
Number of Cull Cows	18 cows
Average Weight/Cow	1,350 lbs
Trucking cost	\$1.50 /cwt
b) Selling Commission:	
MCEC Fee \$/Head	\$2.00 /head
MCPA Levy \$/Head	\$2.00 /head
Insurance per Head	\$1.00 /head
Commission on Cows	\$15.50 /cow
Commission on Calves	\$13.00 /calf

Manure Removal

Annual cost for Removal **\$2,500.00**

Operating Interest Rate **6.25 %**
 Investment Rate **3.50 %**

Insurance

Cost per \$100 Capital Invested in

a) Livestock	\$0.50
b) Building & Equipment	\$0.50

Additional coverage for liability **\$45.00 /year**

Miscellaneous

Total yearly expense **\$1,000.00**

Herd Replacement (Cows Only)

Replacement Cost/Heifer **\$1,000.00**
 Average Value/Cow **\$825.00**
 Price Received/Cull Cow **\$375.00**

Capital Costs

Buildings & Water System	Original Value	Salvage Value	Useful Life
Windbreak Fence	\$4,000	0 %	20 years
Feedlot Fence	\$4,000	0 %	20 years
Calf Shelters	\$8,000	0 %	20 years
Handling Facilities	\$5,500	0 %	20 years
Calving Barn (30'x32')	\$9,600	0 %	20 years
Waterers (3 @ \$ 1000)	\$5,000	0 %	20 years
Pasture watering system	\$4,000	0 %	20 years
Pasture water source	\$3,000	0 %	20 years
Gates	\$840	0 %	20 years
Round Bale Feeders	\$1,500	0 %	20 years
Well & Pressure System	\$6,000	0 %	20 years
Hydro (6 poles @ \$400)	\$2,400	0 %	20 years
Storage Bins	\$3,500	0 %	20 years

Total **\$57,340** **0 %** **20 years**

Machinery & Equipment

Miscellaneous Machinery	\$5,000	20 %	10 years
Tractor & Loader	\$30,000	20 %	10 years
Bale Shredder	\$13,000	20 %	10 years
Stock Trailer	\$12,000	20 %	10 years
Truck (\$40,000@ 50%)	\$20,000	10 %	10 years

Total **\$80,000**

Total Building, Machinery & Equipment **137,340**

Total Breeding Herd Value **123,750**

Total Capital Investment **261,090**

	<u>Marginal Land</u>	<u>Crop Land</u>	<u>Crown Land</u>
Pasture Costs			
Cows on pasture	150 cows	150 cows	150 cows
Length of fence	7.000 miles	4.500 miles	9.375 miles
Fence price	\$3,400 /mile	\$3,400 /mile	\$3,400 /mile
Fence useful life	20 years	20 years	20 years
Fence salvage value	\$0.00	\$0.00	10 %
Number of acres/cow	7 acre/cow	3 acre/cow	
Value	\$250.00 /acre	\$450.00 /acre	
Taxes	\$2.00 /acre	\$5.30 /acre	
Total fertilizer, chemical, seed & miscellaneous	\$0.00 /acre	\$0.00 /acre	\$0.00 /acre
Number of cows/quarter			12 cows
Rental rate			\$246.00 /quarter

FOOTNOTE: 1 hectare = 2.471 acres

P.F.R.A. Community Pasture Grazing

Cows

Cows on P.F.R.A. Pasture	150 cows
Cost	\$0.36 /cow/day
P.F.R.A Grazing Days	140 days/year

Calves

Calves on P.F.R.A. Pasture	143 calves
Cost	\$20.00 /calf/season

Labour Costs

Hours/Cow/Year	9.00 hours
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Assumptions

1. This budget outlines the cost of production for a cow calf operation with 150 cows, 6 bulls and 95% calf crop weaned.
2. Building and equipment are valued at new cost.
3. All feed is valued at market value.
4. Manure removal is contracted out.
5. Replacement heifers are valued at fair market value.
6. This budget assumes an average weaning weight of 575 lbs. (steer calves 600 lbs and heifer calves 550 lbs.)

Cow-Calf Production Worksheet

A. Operating Costs

1. Feed Costs

1.01 Barley (processed)

		2.00	lbs barley/cow/day		
	x	60.00	days/year		
	÷	48.00	lbs/bu		
	<u>x</u>	<u>\$2.35</u>	<u>/bushel</u>		
	=	\$5.88	/cow		

1.02 Hay (for cows)

		2.50	tons good quality		
	<u>x</u>	<u>\$55.00</u>	<u>/ton</u>		
	=	\$137.50	/cow		

		1.20	tons low quality		
	<u>x</u>	<u>\$30.00</u>	<u>/ton</u>		
	=	\$36.00	/cow		

	Total	=	\$173.50	/cow	

1.03 Salt and Minerals

		35.00	lbs salt/cow/year		
	<u>x</u>	<u>\$0.10</u>	<u>/lb</u>		
	=	\$3.50	/cow		

		35.00	lbs mineral/cow/year		
	<u>x</u>	<u>\$0.48</u>	<u>/lb</u>		
	=	\$16.80	/cow		

	Total	=	\$20.30	/cow	

2. Other Operating Costs

2.01 Straw

		1.00	tons/cow/year	_____
x		<u>\$20.00</u>	/ton	_____
=		\$20.00	/cow	_____

2.02 Veterinary Medicine & Supplies

Calf Medication

		\$0.57	/calf blackleg	_____
x		<u>95.00</u>	% calf crop	_____
=		\$0.54	/cow	_____

Cow Medication

		\$3.00	/cow IBR	_____
+		\$3.45	/cow scourguard	_____
+		\$4.77	/cow parasite control	_____
±		<u>\$0.65</u>	/cow ADE	_____
=		\$11.87	/cow	_____

Herd Health Program

		\$135.00	/hour charge	_____
x		6.00	hours	_____
÷		<u>150.00</u>	cows	_____
=		\$5.40	/cow	_____

Mileage

		\$0.90	/km charge	_____
x		80.00	kilometres	_____
x		4.00	visits	_____
÷		<u>150.00</u>	cows	_____
=		\$1.92	/cow	_____

Total = \$19.73 /cow _____

2.03 Breeding Costs

Feed for Bulls

Hay

		4.00	tons good quality	_____
x		\$55.00	/ton	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	cows	_____
=		\$8.80	/cow	_____

Barley		7.00	lbs barley/bull/day	_____
x		120.00	days	_____
÷		48.00	lbs/bu	_____
x		\$2.35	/bushel	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$1.65	/cow	_____
Total	=	\$10.45	/cow	_____
Straw for Bulls		1.00	tons/bull/year	_____
x		\$20.00	/ton	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$0.80	/cow	_____
Vet & Medicine for Bulls		\$55.00	semen test	_____
+		\$10.00	total vet cost/bull	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$2.60	/cow	_____
Replacement of Bulls		\$2,200	bull cost	_____
-		\$700	bull salvage value	_____
x		25.00	% replacement rate	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$15.00	/cow	_____
Investment in Bulls		\$2,200	bull cost	_____
+		\$700	bull salvage value	_____
÷		2.00	average	_____
x		3.50	% investment rate	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$2.03	/cow	_____

Pasture Costs for Bulls

		\$67.20	/bull pasture cost	_____
x		6.00	bulls	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$2.69	/cow	_____
Total	=	\$33.57	/cow	_____

2.04 Fuel, Oil, Repairs & Maintenance

Machinery

		\$1,800	annual fuel cost	_____
+		\$1,300	oil, repairs & maintenance	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$20.67	/cow	_____

Buildings, Fences etc.

		\$1,000	repairs & maintenance	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$6.67	/cow	_____

Total	=	\$27.34	/cow	_____
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2.05 Utilities

		\$1,500	annual cost	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$10.00	/cow	_____

2.06 Marketing & Transportation

Trucking

Calves		143	calves	_____
x		575.00	lbs/calf	_____
x		\$1.50	/cwt (trucking cost)	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$8.22	/cow	_____

Cull Cows		18.00	cull cows	_____
-		2.00	cows died	_____
x		1,350.00	lbs/cow	_____
x		\$1.50	/cwt (trucking cost)	_____
÷		100.00	lbs/cwt	_____
÷		<u>150.00</u>	<u>cows</u>	_____
=		\$2.16	/cow	_____

MCEC Levy, MCPA Levy, selling commission & insurance

Calves		\$2.00	MCEC Fee	_____
	+	\$2.00	MCPA Levy	_____
	+	\$16.50	Commission, Insurance	_____
	x	143	calves	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$19.54	/cow	_____

Cull Cows		\$2.00	MCEC Fee	_____
		\$2.00	MCPA Levy	_____
	+	\$16.50	Commission, MCPA	_____
	x	16	cull cows	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$2.19	/cow	_____

Total	=	\$21.73	/cow	_____
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2.07 Death Loss

	x	\$825	/cow investment	_____
	x	<u>1.25</u>	<u>% mortality rate</u>	_____
	=	\$10.31	/cow	_____

2.08 Manure Removal

		\$2,500	annual removal cost	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$16.67	/cow	_____

2.09 Insurance

		\$825	\$/cow investment	_____
	x	\$0.50	/\$100 capital	_____
	÷	<u>100.00</u>	<u>/100</u>	_____
	=	\$4.13	/cow	_____

		\$137,340	building and equipment investment	_____
	x	\$0.50	/\$100 capital	_____
	÷	100.00	/100	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$4.58	/cow	_____

		\$45.00	liability	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$0.30	/cow	_____

Total	=	\$9.01	/cow	_____
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2.10 Herd Replacement

	\$1,000	/replacement heifer	_____
-	\$375	/cull cow	_____
<u>x</u>	<u>12.00</u>	<u>% replacement rate</u>	_____
=	\$75.00	/cow	_____

2.11 Miscellaneous

	\$1,000	total office expenses	_____
<u>÷</u>	<u>150.00</u>	<u>cows</u>	_____
=	\$6.67	/cow	_____

2.12 Operating Interest

(Operating interest is charged on one half of the subtotal operating costs)

	\$449.71	subtotal operating costs	_____
<u>÷</u>	<u>2.00</u>	<u>average</u>	_____
<u>x</u>	<u>6.25</u>	<u>% operating interest</u>	_____
=	\$14.05	/cow	_____

Capital Costs

Buildings & Water System

Windbreak Fence	\$4,000	
Feedlot Fence	\$4,000	
Calf Shelters	\$8,000	
Handling Facilities	\$5,500	
Calving Barn (30'x32')	\$9,600	
Waterers (3 @ \$ 1000)	\$5,000	
Pasture watering system	\$4,000	
Pasture water source	\$3,000	
Gates	\$840	
Round Bale Feeders	\$1,500	
Well & Pressure System	\$6,000	
Hydro (6 poles @ \$400)	\$2,400	
Storage Bins	<u>\$3,500</u>	
Total Building Cost	\$57,340	

Machinery & Equipment

Miscellaneous Machinery	\$5,000	
Tractor & Loader (\$100,000 @30%)	\$30,000	
Bale Shredder	\$13,000	
Stock Trailer	\$12,000	
Truck (\$30,000 @ 50%)	<u>\$20,000</u>	
Total Machinery & Equipment Cost	\$80,000	

Total Bldg., Mach. & Equip. **\$137,340**

Total Breeding Herd Value **\$123,750**

Total Capital Investment **\$261,090**

B. Fixed Costs

3. Depreciation

Original Cost - Salvage Value
Useful Life

3.01 Buildings & Water System (not including pasture water system)

	\$50,340	original cost	
-	0.00	salvage value	
÷	20.00	years useful life	
÷	<u>150.00</u>	<u>cows</u>	
=	\$16.78	/cow	

3.02 Machinery & Equipment

	\$80,000	original cost	_____
-	\$16,000	salvage value	_____
÷	10.00	years useful life	_____
÷	<u>150.00</u>	<u>cows</u>	_____
=	\$42.67	/cow	_____

4. Investment

Original Cost + Salvage Value x Investment Rate
2

4.01 Buildings

	\$50,340	original cost	_____
+	\$0.00	salvage value	_____
÷	2.00	average	_____
x	3.50	% investment rate	_____
÷	<u>150.00</u>	<u>cows</u>	_____
=	\$5.87	/cow	_____

4.02 Machinery & Equipment

	\$80,000	original cost	_____
+	\$16,000	salvage value	_____
÷	2.00	average	_____
x	3.50	% investment rate	_____
÷	<u>150.00</u>	<u>cows</u>	_____
=	\$11.20	/cow	_____

4.03 Livestock

	\$825	/cow	_____
x	<u>3.50</u>	<u>% investment rate</u>	_____
=	\$28.88	/cow	_____

4.04 Pasture

A. Marginal Land Investment

Land	7.00	acres/cow	_____
x	\$250.00	/acre	_____
x	<u>3.50</u>	<u>% investment rate</u>	_____
=	\$61.25	/cow	_____

Fence				
		\$23,800	total fence investment	_____
	+	\$0	salvage value	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$2.78	/cow	_____
Pasture Water System				
		\$7,000	system & source	_____
	+	\$0	salvage value	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$0.82	/cow	_____
Total Investment =		\$64.84	/cow	_____
Depreciation				
Fence				
		\$23,800	total fence investment	_____
	-	\$0	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$7.93	/cow	_____
Pasture Water system				
		\$7,000	system & dugout	_____
	-	\$0	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$2.33	/cow	_____
Total	=	\$10.27	/cow	_____
Taxes				
		7.00	acres/cow	_____
	x	<u>\$2.00</u>	<u>/acre</u>	_____
	=	\$14.00	/cow	_____
Total	=	\$89.11	/cow	_____
B. Crop Land Investment				
Land				
		3.00	acres/cow	_____
	x	\$450	/acre	_____
	x	<u>3.50</u>	<u>% investment rate</u>	_____
	=	\$47.25	/cow	_____

Fence				
		\$15,300	total fence investment	_____
	+	\$0	salvage value	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$1.79	/cow	_____
Pasture Water System				
		\$7,000	system & source	_____
	+	\$0	salvage value	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$0.82	/cow	_____
Total Investment =		\$49.85	/cow	_____
Depreciation				
Fence				
		\$15,300	total fence investment	_____
	-	\$0	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$5.10	/cow	_____
Pasture Water system				
		\$7,000	system & source	_____
	-	\$0	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$2.33	/cow	_____
Total	=	\$7.43	/cow	_____
Taxes				
		3.00	acres/cow	_____
	x	<u>\$5.30</u>	<u>/acre</u>	_____
	=	\$15.90	/cow	_____
Total	=	\$73.00	/cow	_____

**C. Crown Land:
Depreciation**

Fence		9.38	miles of fence	_____
	x	\$3,400	/mile	_____
	=	\$31,875	fence cost	_____
	-	\$3,188	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$9.56	/cow	_____
Pasture Water system				
		\$7,000	system & source	_____
	-	\$0	salvage value	_____
	÷	20.00	years useful life	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$2.33	/cow	_____
Total Depreciation =		\$11.89	/cow	_____

Investment

Fence		\$31,875	fence cost	_____
	+	\$3,188	salvage value	_____
	=	\$35,063	total invested	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$4.09	/cow	_____
Pasture Water System				
		\$7,000	system & source	_____
	+	\$0	salvage value	_____
	÷	2.00	average	_____
	x	3.50	% investment rate	_____
	÷	<u>150.00</u>	<u>cows</u>	_____
	=	\$0.82	/cow	_____
Total Investment =		\$4.91	/cow	_____

Land Rental (includes taxes)

		\$246	/quarter, rental rate	_____
	÷	<u>12.00</u>	<u>cows/quarter</u>	_____
	=	\$20.50	/cow	_____

Total	=	\$37.30	/cow	_____
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D. P.F.R.A.: Community Pasture Grazing

Cows

		\$0.36	cost/cow/day	_____
	x	<u>140.00</u>	<u>days</u>	_____
	=	\$50.40	/cow	_____

Calves

	x	\$20.00	/calf/season	_____
	x	142.50	calves on pasture	_____
	÷	<u>150.00</u>	<u>cows on pasture</u>	_____
	=	\$19.00	/cow	_____

Total = \$69.40 /cow _____

Average (A,B,C,D) = \$67.20 /cow _____

C. Labour

		9.00	hours/cow/year	_____
	x	<u>\$11.00</u>	<u>/hour</u>	_____
	=	\$99.00	/cow	_____

For further information contact your local MAFRI office.

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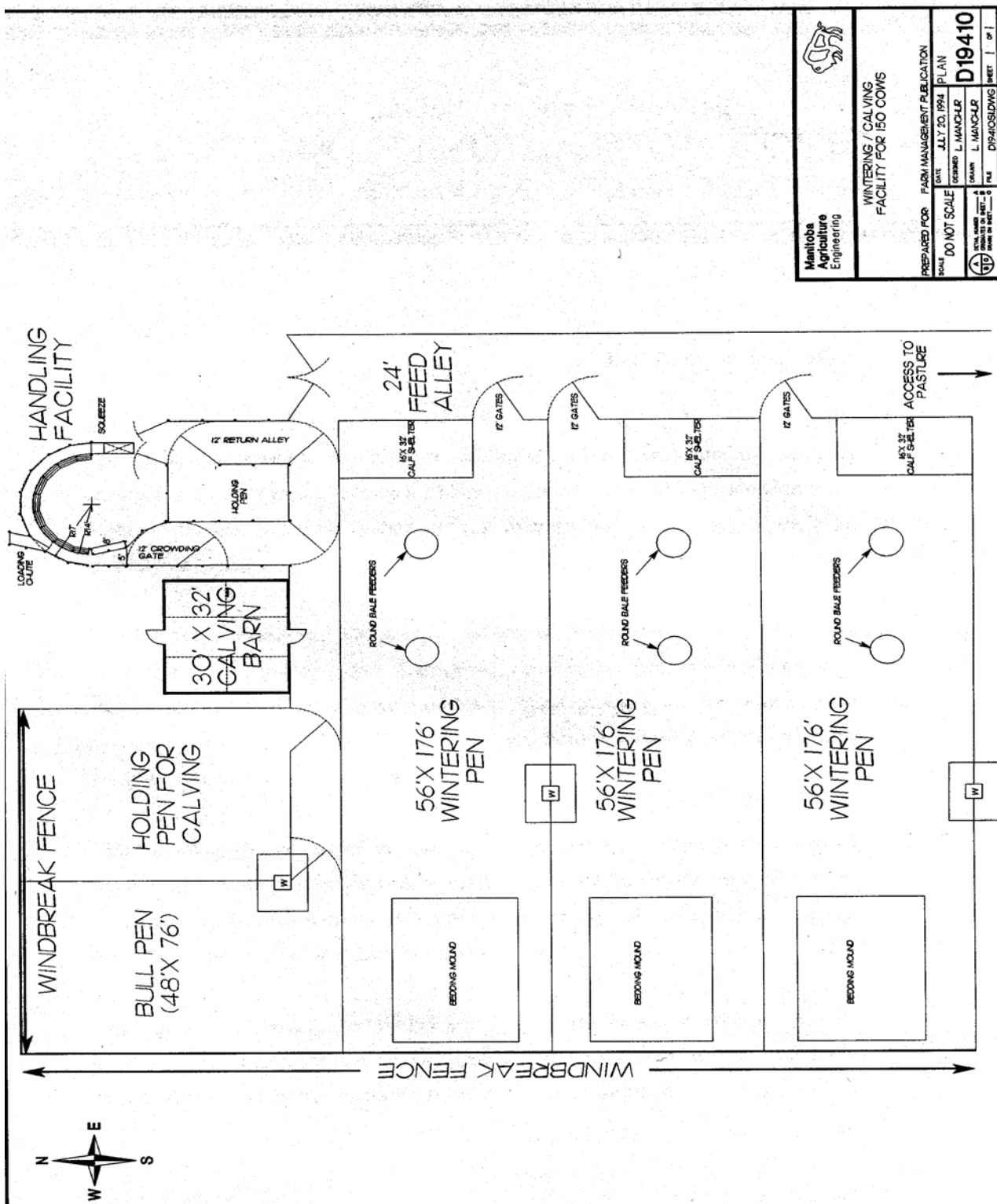
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Cow-Calf Operating Facilities



<p>Manitoba Agriculture Engineering</p>	WINTERING / CALVING FACILITY FOR 150 COWS	
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