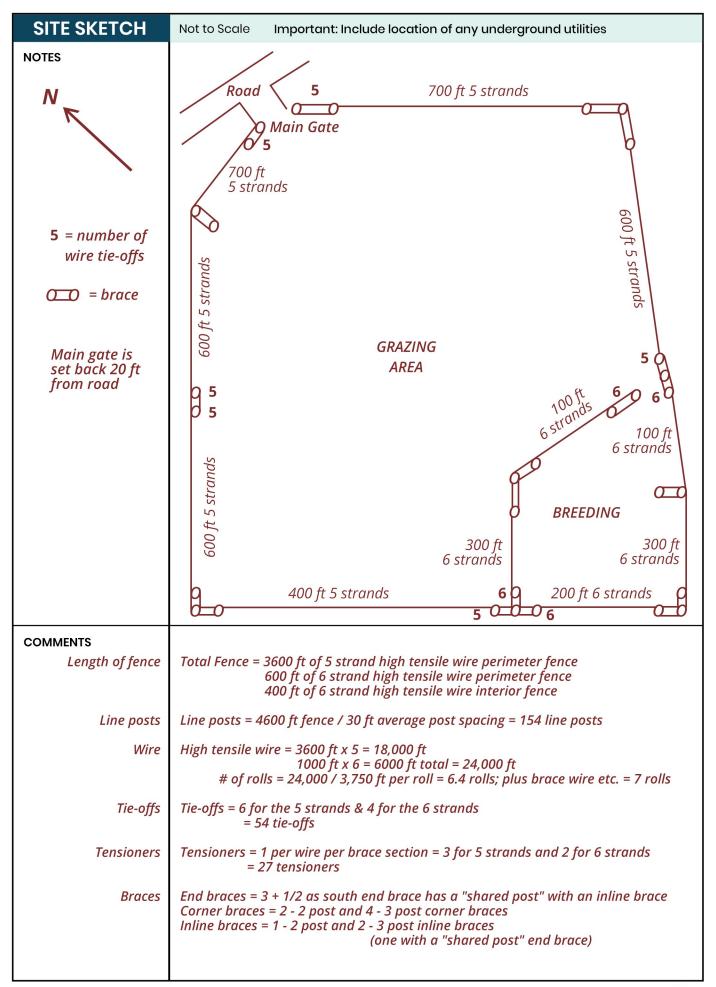
## **Example FENCE PLANNING AND BUDGETING Worksheet**



Adapted from British Columbia Ministry of Agriculture, Food and Fisheries' Fencing Factsheet July 1998

The purpose of this worksheet is to aid in the planning steps in fence construction. It covers site considerations, fence type and design, rights-of-way, and cost estimations for labour and materials. Not all points will apply to every fence.

PLANNING							
PASTURE LOCATION	Pasture Name: North Pasture Legal Land Location:						
FENCE PURPOSE	Primary: grazing Secondary: breeding pasture at south end						
TYPE OF ANIMAL(S)	beef cattle - cow/calf						
SITE INFORMATION	Topography: rolling - some steep areas Soil types: firm, compacted - some rock Accessibility: ok Watercourses: none Snow: not a problem Vegetation: lightly forested with open grass areas Wildlife: deer, moose Visual impact: no unusual concerns						
TYPE OF FENCE	Permanent Temporary (moveable) Boundary (legal) requirements						
	Type of wire: high tensile wire  Number of wires: 5,- 6 in breeding pasture  Wire spacing: 12/8/8/8/8; 12/6/6/6/7/7  Top wire height: 44 inch  Bottom wire height: 12 inch  Post spacing: 30 ft  Dropper spacing: 10 ft  Post spacing: Dropper spacing:  Dropper spacing: □ Electric design  Type of wire:  Number of wires:  Number of wires:  Wire spacing:  Wires electrified:  Wires grounded:  Type of insulators:  Post spacing:  Dropper spacing:						
COMMENTS							
RIGHT-OF-V	VAY CONSTRUCTION Important: Make sure to locate any underground utilities before starting construction						
METHOD	By hand Size: <u>4600</u> feet long x <u>12-15</u> feet wide						
WOODWASTE	Piled to Burn Cut & left to rot Fence Location:						
DISTURBED GROUND	Seeded Left as is feet from either side of right-of-way						
COMMENTS	Fence line to be as straight as possible						



ESTIMATING	G MATERIAL COSTS					
NON-ELECTRI	C FENCE MATERIALS		Size	Quantity	\$ Each	\$ Total
BRACE ASSEMBLY	END BRACE: how many? 3 + 1/2			3 @ 2 post 1 @ 1 post		
MATERIALS	Design: two post brace	ost	4"-5" x 8'	7 total	\$5.25	\$36.75
Posts & Rails  Treated Pointed	Nail or	Rail Pin	4"-5" x 8' 3/8" x 6"	4 @ 1 rail 4 @ 2 pins	\$5.25 \$0.10	\$21.00 \$0.80
<b>▼</b> Domed	CORNER BRACE: how many? 6			4 @ 3 post		
Nail Type	Design:	ost	4"-5" x 8'	2 @ 2 post 16 total	\$5.25	\$84.00
Pin Type <u>3/8" rebar</u>		Rail	4"-5" x 8'	4 @ 2 ea 2 @ 2 ea 10 total	\$5.25	\$52.50
Brace Wire Type <u>high tensil</u> e wire		<b>Pin</b>	3/8" x 6"	4 @ 4 ea 2 @ 2 ea 20 total	\$0.10	\$2.00
	INLINE BRACE: how many? 3  Design:			1 @ 2 post 2 @ 3 post		
		Post	4"-5" x 8'	8 total	\$5.25	\$42.00
	2 of	Rail	4"-5" x 8'	1 @ 1 ea 2 @ 2 ea 5 total	\$5.25	\$26.25
	Nail or	Pin	3/8" x 6"	1 @ 2 ea 2 @ 4 ea 10 total	\$0.10	\$1.00
LINE POSTS	Material: wood if wood: ✓ Treated ✓ Pointed ✓ Dor	med	3"-4" x 7'	154	\$3.25	\$500.50
WIRE	Material: <i>high tensile wire</i> (# rolls = ft. fence x # strands ÷ ft. per roll)		12.5 ga.	7 rolls	\$80.00	\$560.00
STAPLES	Staples: standard slash point (# staples = # posts x strands ÷ # per box)		2 inch	154 x 5 2900 = 1/3 box	\$48.00	\$16.00
CONNECTORS	Splices - Mechanical connectors? Y  (# connectors = # per splice x # wire rolls x 2)	_	sleeves	3x7x2=42	\$0.30	\$12.60
TENSIONERS	Tie-offs - Mechanical connectors? Y  (# connectors = # per tie-off x # tie-offs)		sleeves	2x5x6 2x6x4 = 108	\$0.30	\$32.40
	Tensioners - used?  (# tensioners = # strands x # braced sections	_	slotted drum	5x3+6x2 = 27	\$2.50	\$67.50

ON-ELECTRIC FENCE	MATERIALS (Continued)	Size	Quantity	\$ Each	\$ Tota
Droppers	used? Y N  Type: (total droppers = # per panel x # line posts)	1" x 3" x 42" long	2 x 154 = 308	\$1.00	\$308.00
Gates	How many: 2  Type of gate: 1 wood & 1 slip wire	12' wood	1	\$75.00	\$75.00
	Size: 12 ft	12' wire	1	\$15.00	\$15.00
	Type of hinge: <i>screw-in pin</i> Type of latch: <i>chain</i>				
	TOTAL NONELECTR	IC FENCE	MATERIAL	COSTS \$	1853.30
LECTRIC FENCE	MATERIALS		_		
ENERGIZER	Utility power make: model:				
	Battery power make: model: voltage:		Not an	plicable	
	Wet cell battery voltage: capacity:		Not app	ncable	
	Solar panel make: model: wattage:				
GROUNDING SYSTEM	Ground rods material: Ground wire material:				
INSULATORS	Line post (# insulators = # hot wires x # line posts) material: type:				
	Tie off (# insulators = # hot wires x # brace sections x2) material: type:				
	Offset (# insulators = # offset wires x # line posts) material: type:				
	TOTAL ELECTRIC FEI	ICE MATE	RIALS COS	STS \$	1
MATERIAL COS	STS PER FOOT Fence Length (feet) 46	00	als cost \$ <b>185</b> 3	2.20 0/2	t. <b>0.41</b>

## **ESTIMATING LABOUR COSTS**

Labour costs vary for many reasons (terrain, accessibility, etc.,) but they will typically be between one and two times the material costs.

MATERIALS \$/ft 0.41 to 0.82

## **ESTIMATING TOTAL COSTS**

For estimating total costs, a labour cost must be selected from the range above.

MATERIALS \$/ft 0.41 + LABOUR \$/ft. 0.64 = TOTAL \$/ft. 1.05

FENCE LENGTH 4600 ft. x TOTAL \$/ft. 1.05 = TOTAL \$ 4830