

Instructions for
Nebraska Base Drawings NE500-....
Page size fence drawings

NE500-10-001, NE500-10-002, NE500-10-003, NE500-20-001,
NE500-30-001, NE500-40-001, NE500-40-002, NE500-40-003,
NE500-50-001, NE500-60-001, NE500-60-002, NE500-60-003

Fill in the following data fields to automatically fill in the necessary data fields on the drawing.

Title block

Title line(s)

Subtitle line

County, State

Job Class

Add sheet numbering directly on drawings.

Add Wood Species directly on line provided on drawings.

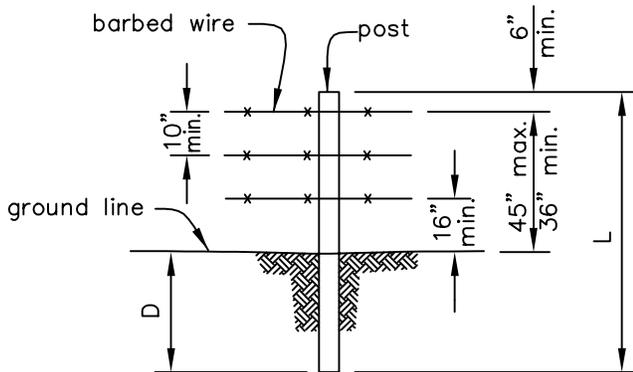
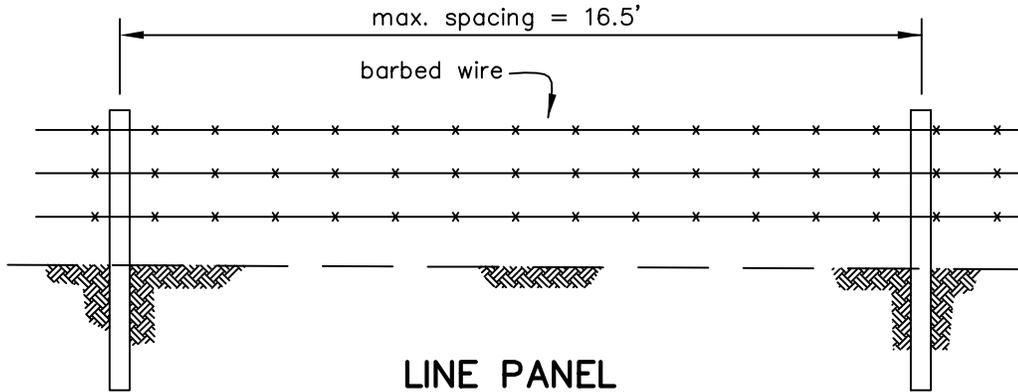
Add Special Instructions directly on lines provided on drawings.

Who / When

Designed

Drawn

Checked



BARBED WIRE 12 1/2 gauge conventional
12 1/2 gauge high-tension

2 twisted strands with 14 gauge or heavier two-point barbs on approx. 4 inch centers.

Class 1 (min. or equiv.) zinc-coating as per ASTM A-121.

BARBED WIRE DETAIL

LINE Plastic: L = 6 ft. min.
D = 24 in. min.
Dia. = 3-3/8 in. min.

Steel: L = 6 ft. min.
D = 18 in. min.
Standard "T" or "U"; > 1.33 lbs/ft of length

Wood: L = 6 1/2 ft. min.
D = 2 1/2 ft. min.
Dia. = 3 in. min.

CORNER OR GATE Wood: L = 8 ft. min.
D = 3 1/2 ft. min.
Dia. = 4 or 5 in. min. w/15° change of direction

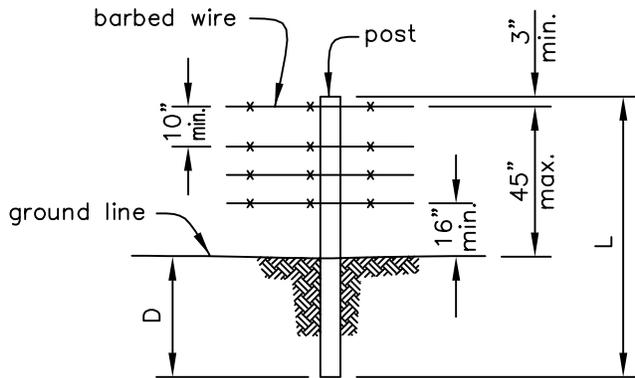
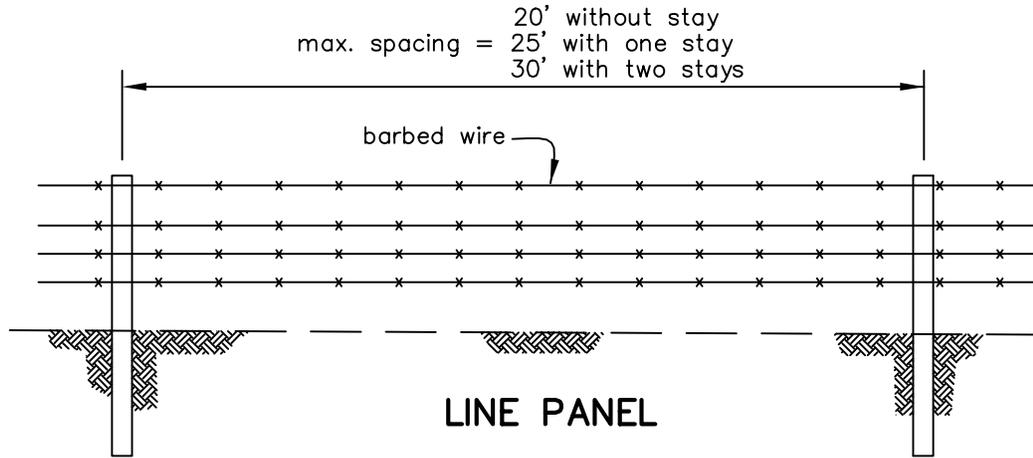
SPECIES for all wood: _____

SPECIAL INSTRUCTIONS

Modified from Washington LSK-0012.dwg

Drawing not to scale. Standardized drawing must be adapted to the specific site.

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-10-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
		Approved _____



BARBED WIRE 12 1/2 gauge conventional or 15 1/2 gauge high-tension

2 twisted strands with 14 gauge or heavier two-point barbs on approx. 5 inch centers.

Class 1 (min. or equiv.) zinc-coating as per ASTM A-121.

LINE	Plastic:	L = 6 ft. min. D = 24 in. min. Dia. = 3-3/8 in. min.	Fiberglass:	L = 6 ft. min. D = 24 in. min. Dia. = 1-1/4 in. min.
	Wood:	L = 6 ft. min. D = 24 in. min. Dia. = 3 in. min.	Steel:	L = 5-1/2 ft. min. D = 18 in. min. Standard "T" or "U"; > 1.25 lbs/ft of length
CORNER OR GATE	Wood:	L = 7 ft. min. D = 3 ft. min. Dia. = 5 in. min.	Steel:	L = 7 ft. min. D = 3 ft. min. (set in conc.) Dia. = Round 2-3/8 in. O.D. or Angle iron 2-1/2 x 2-1/2 x 1/4 (in.)
	STAYS	Wood: 1-1/2 in. dia. min. of durable wood Fiberglass: Any manufactured for this purpose Wire: 9 1/2 gauge, zinc coated, twisted, manufactured for this purpose		

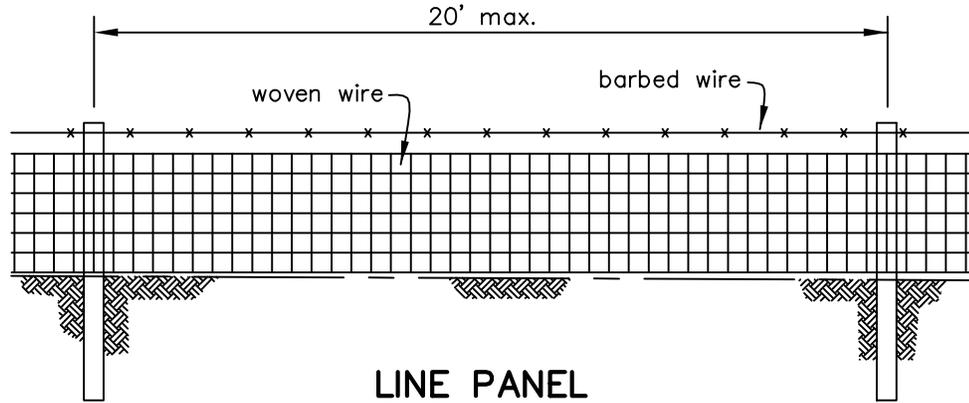
SPECIES for all wood: _____

SPECIAL INSTRUCTIONS

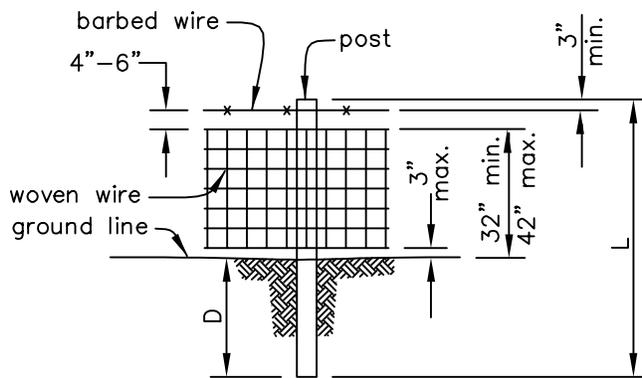
Modified from Washington LSK-0010.dwg

Drawing not to scale. Standardized drawing must be adapted to the specific site.

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-10-002.dwg	Designed _____ Drawn _____
	SHEET OF	Checked _____
		Approved _____



LINE PANEL



WOVEN WIRE

Top and bottom wires shall be 11 gauge or heavier and line and stay wires shall be 14 1/2 gauge or heavier.

The label shall indicate the wire meets ASTM A-116 or ASTM A-584 standards.

WOVEN WIRE W/ONE BARB DETAIL

LINE Wood: L = 6 1/2 ft. min.
D = 2.5 ft. min.
Dia. = 3 in. min.

Steel: L = 6 ft. min.
D = 18 in. min.
Standard "T" or "U"; ≥ 1.33 lbs/ft of length

CORNER OR GATE Wood: L = 7 ft. min.
D = 3 ft. min.
Dia. = 4 in. min. or 5" with 15° change of direction

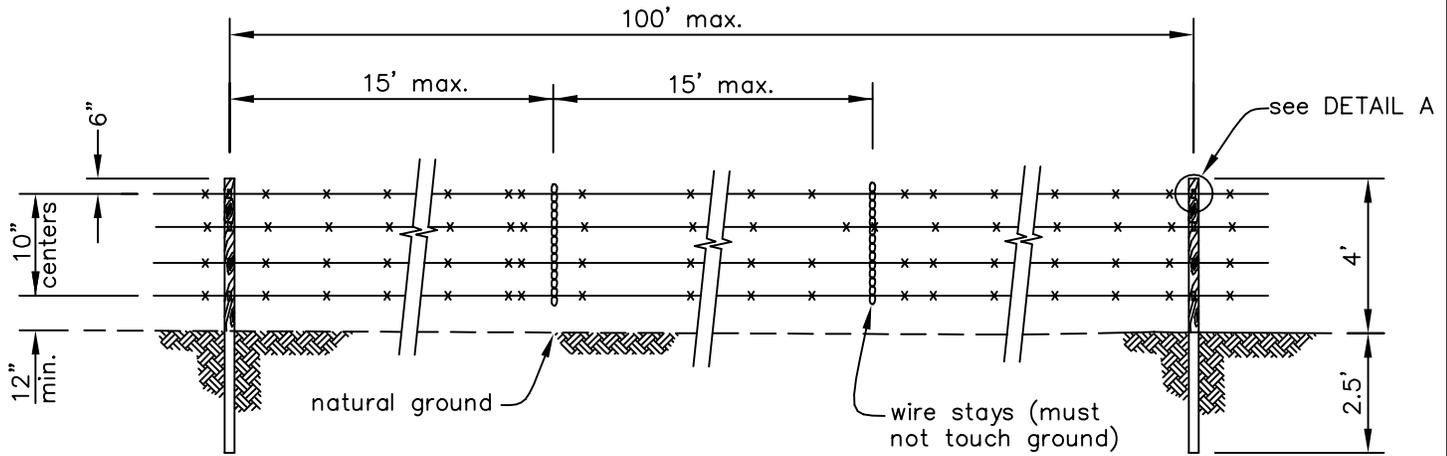
SPECIES for all wood: _____

SPECIAL INSTRUCTIONS

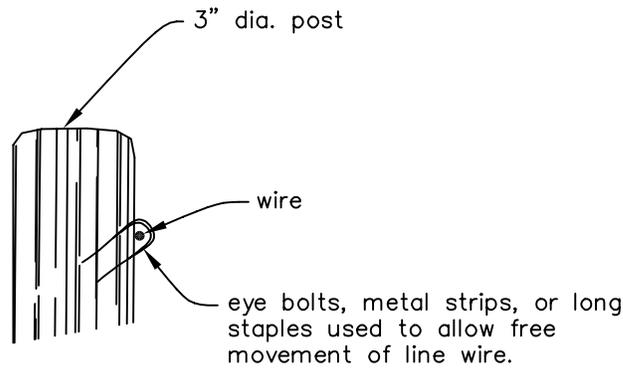
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0020.dwg

U.S.D.A. – NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-10-003.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	



ELEVATION VIEW

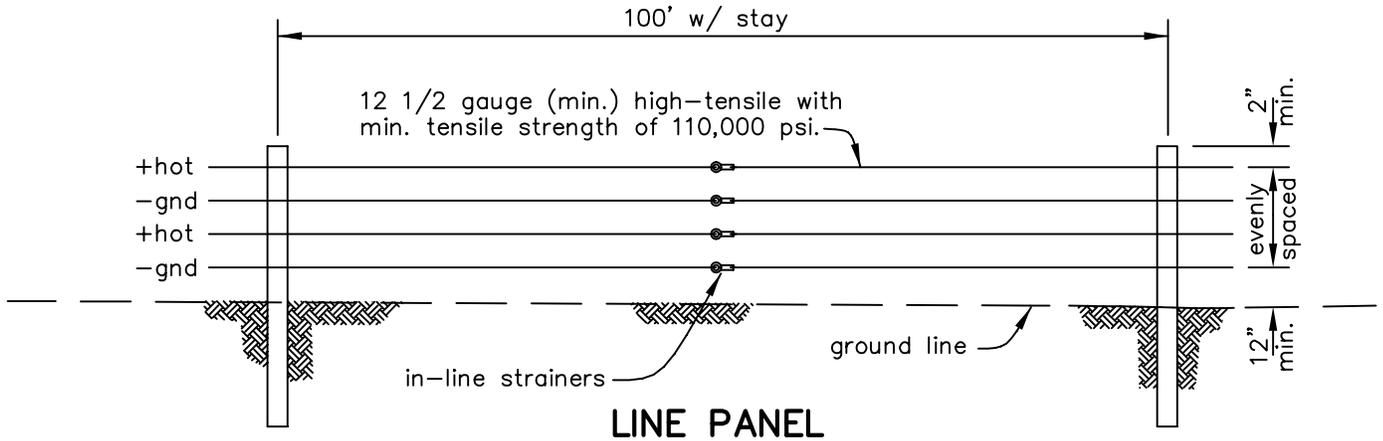


DETAIL A

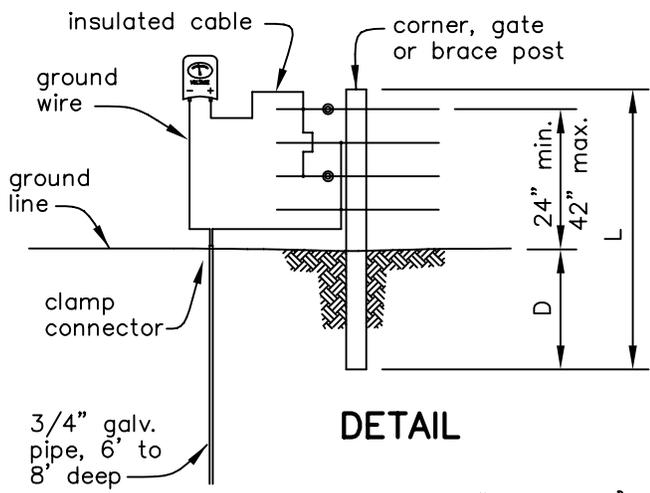
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0230.dwg

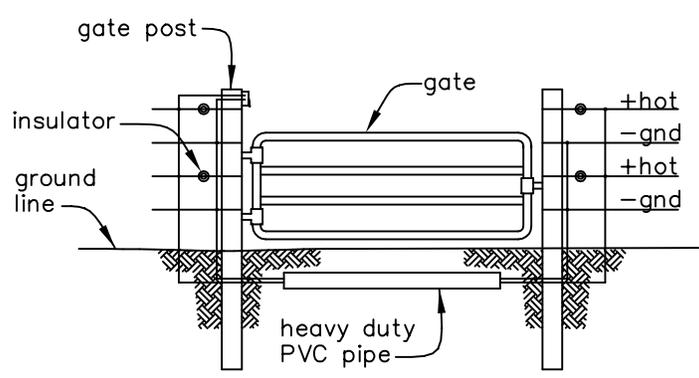
U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-20-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
		Approved _____



LINE PANEL



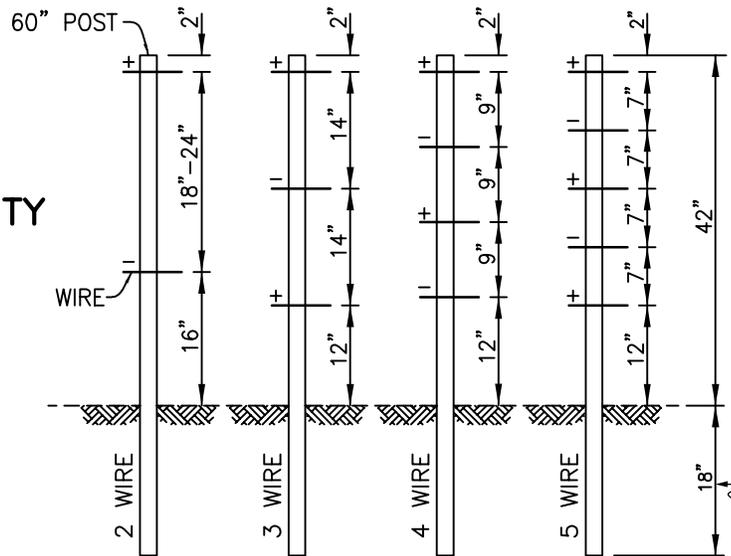
DETAIL



ROAD CROSSING DETAIL

SPACING AND POLARITY

+ hot
- ground



Note:
May want 24" with sandy soils.

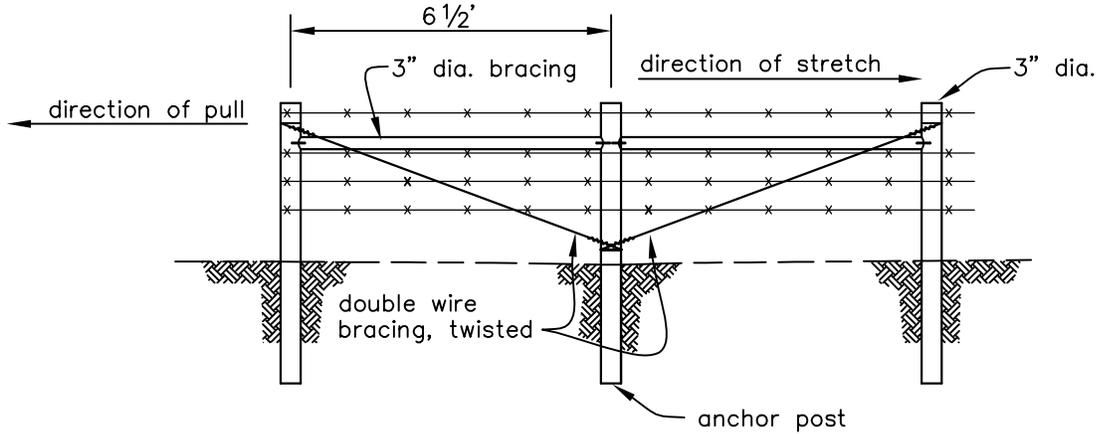
GALVANIZING shall be at least Class III as per ASTM A-121.

SPECIAL INSTRUCTIONS:

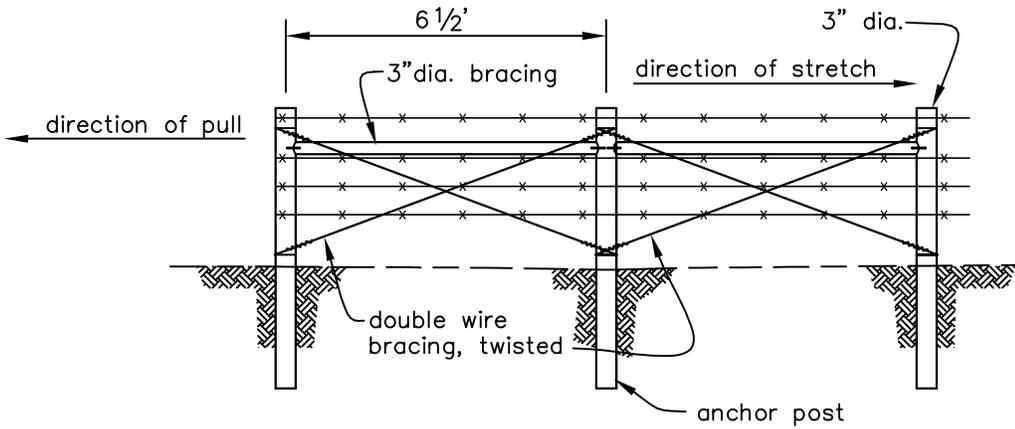
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0240.dwg

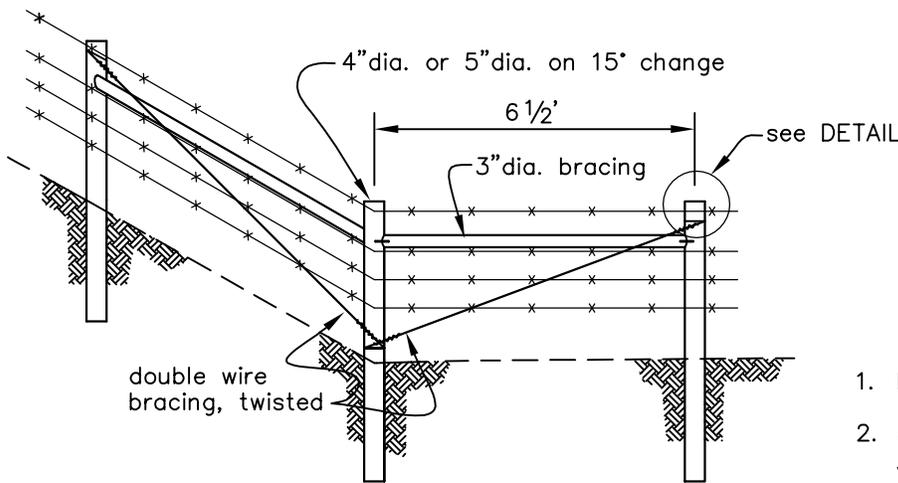
U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-30-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	



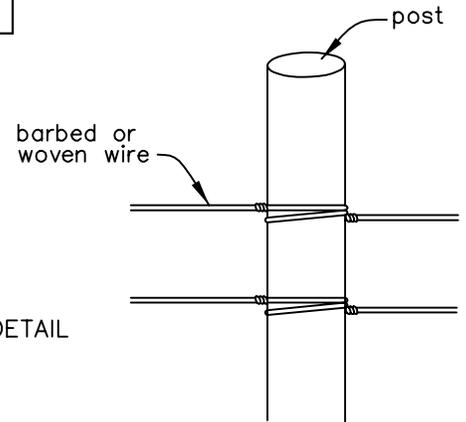
LINE BRACE



LINE BRACE



CORNER BRACE



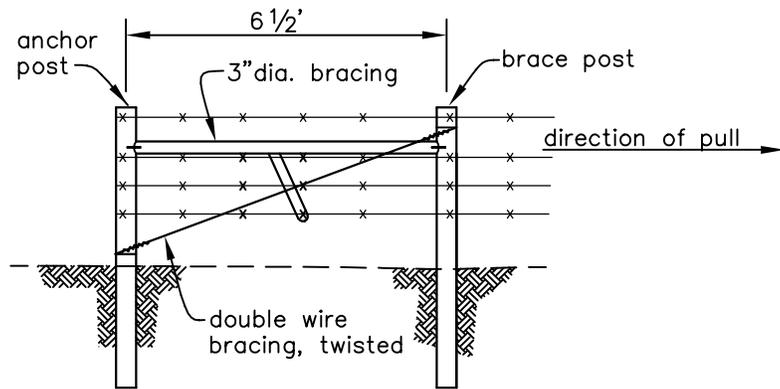
DETAIL

1. Double wrap all bracing.
2. All brace posts to be 8' long, 3 1/2" embedment.

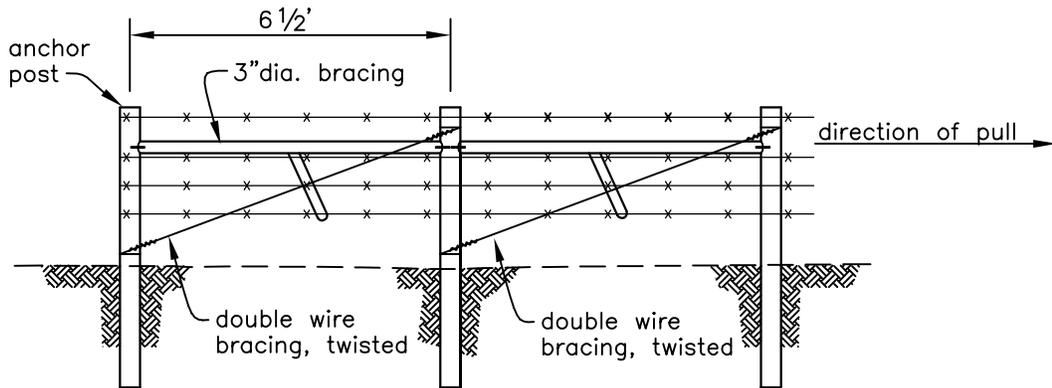
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0252.dwg

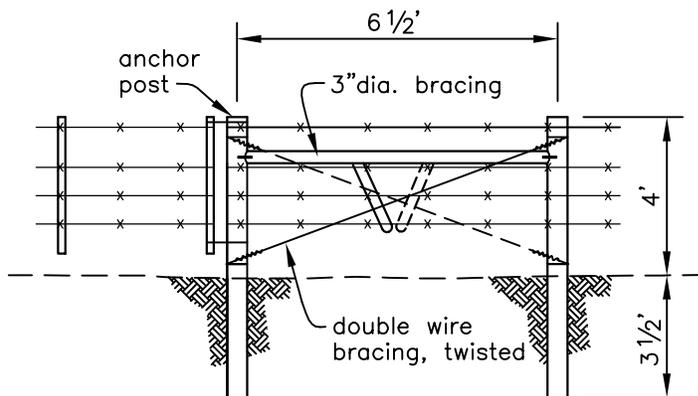
U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-40-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	



1-SPAN END



2-SPAN END



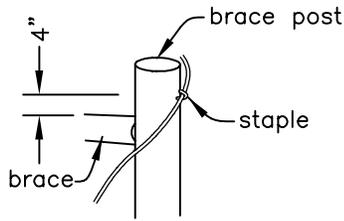
GATE BRACE

1. Double wrap all bracing.
2. All brace posts to be 8' long, 3 1/2" embedment.

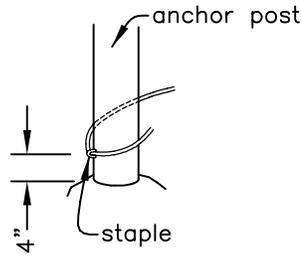
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0251.dwg

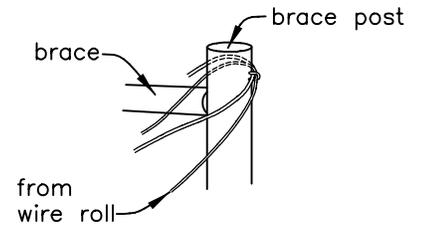
		JOB CLASS	Date
		CAD FILE NO. NE500-40-002.dwg	Designed _____
		SHEET OF	Drawn _____
U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE			Checked _____
			Approved _____



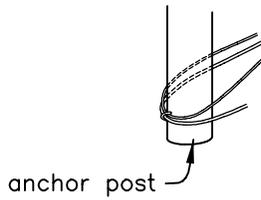
Drive staple about half its length into brace post about 4 inches above brace member on opposite side from brace.



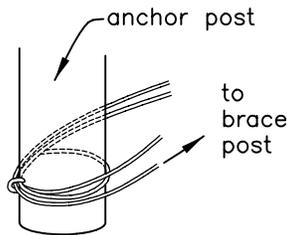
Drive staple in similar manner on anchor post about 4 inches from ground line opposite side of brace.



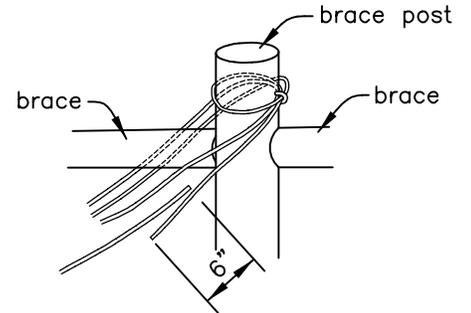
Unroll enough brace wire for two complete loops around anchor and brace post.



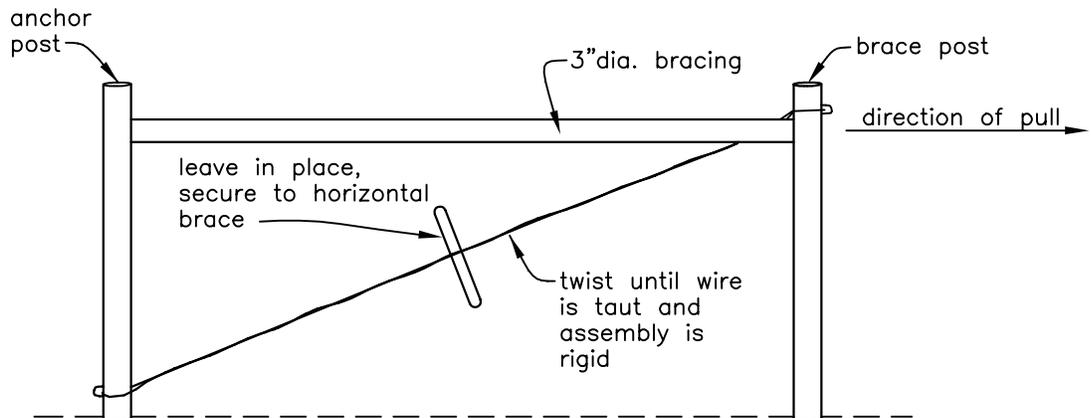
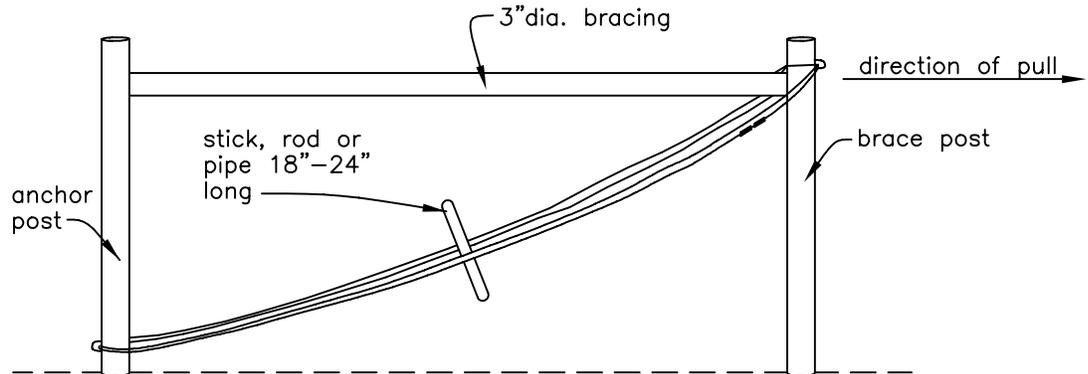
Thread end of brace wire through one staple and then through the other. Repeat to form three wire strands.



Wrap wire around anchor post and return toward brace post.



Cut brace wire from roll allowing enough wire to wrap around brace post and extend 6 to 12 inches past other wire end. Make splice.



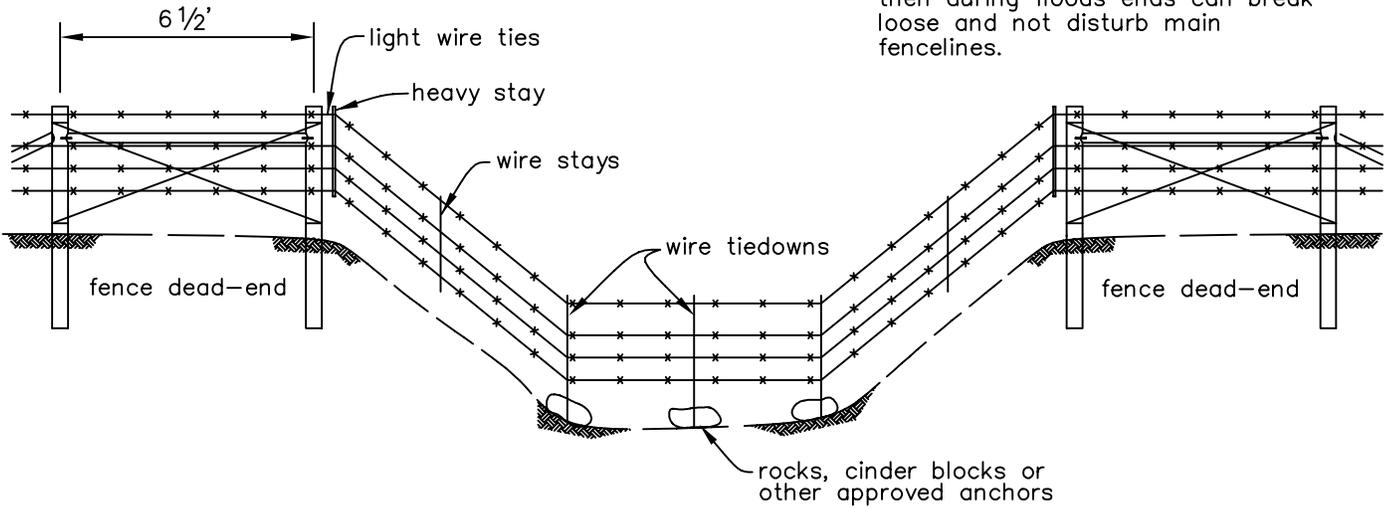
BRACE

Drawing not to scale. Standardized drawing must be adapted to the specific site.

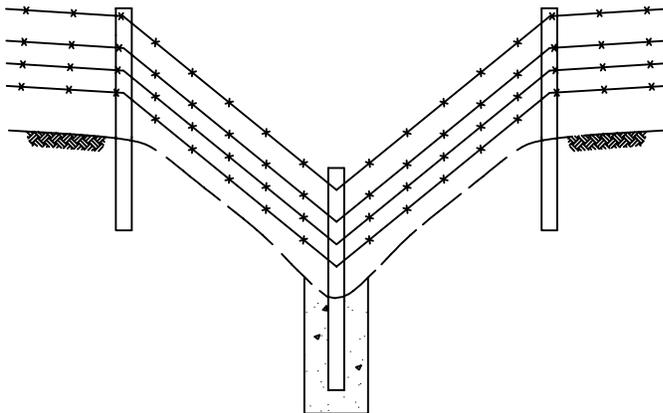
Modified from Washington LSK-0250.dwg

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-40-003.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	

Panels of woven wire or board can be used. Panels built separate and tied to fence with light wire, then during floods ends can break loose and not disturb main fencelines.

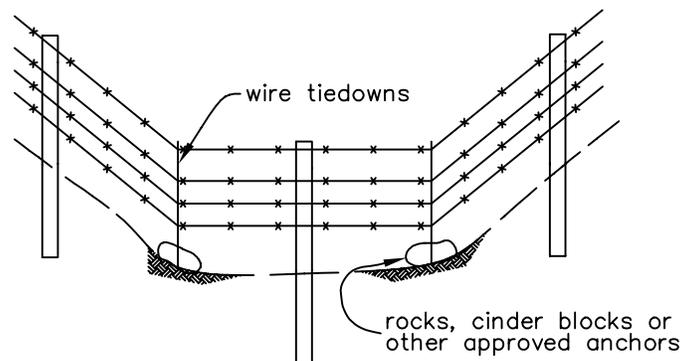


**DETACHABLE WIRE PANEL WITH ANCHORS
FOR DEEP WASHES AND LIVE STREAMS**

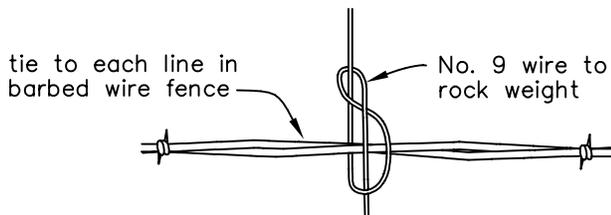


FENCE POST ANCHOR

All corner and brace posts shall be 8' long and 3 1/2' embedment.



ANCHORS IN DRY DRAWS

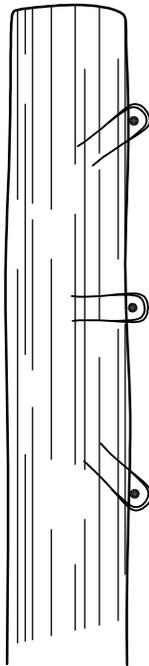


TIEDOWN DETAIL

Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0210.dwg

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-50-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
		Approved _____

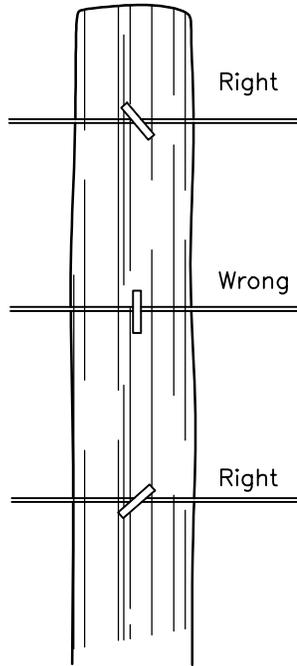


Right

Wrong

Wrong

(WIRE PULL IS DOWN)
DRIVE
STAPLES
AT ANGLE



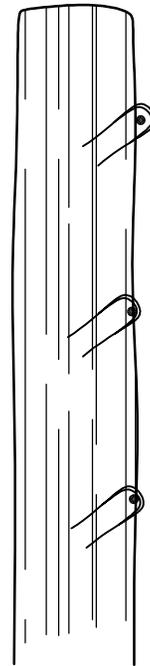
Right

Wrong

Right

DO NOT DRIVE
STAPLES PARALLEL
TO SIDE OF POST

ATTACHMENT

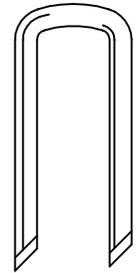


Right

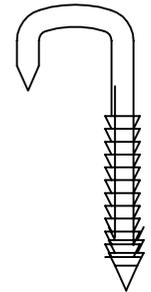
Wrong

Wrong

LEAVE
WIRE LOOSE
IN STAPLE

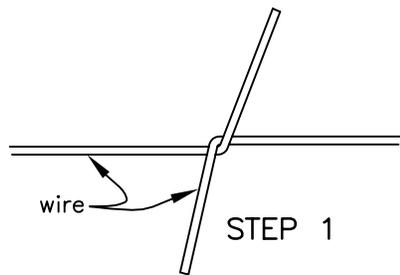
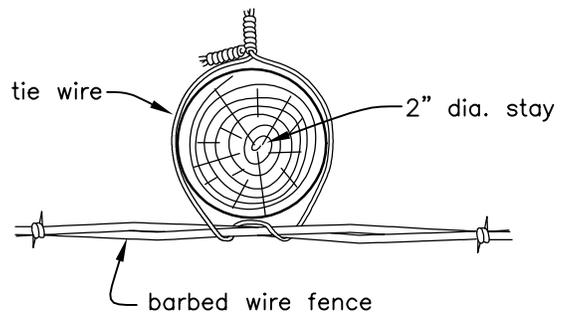
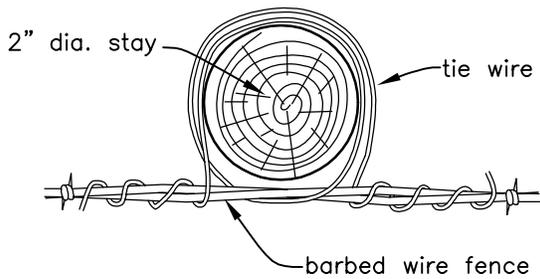


a) No. 9 gauge bright
U-shaped staple,
1-3/4"

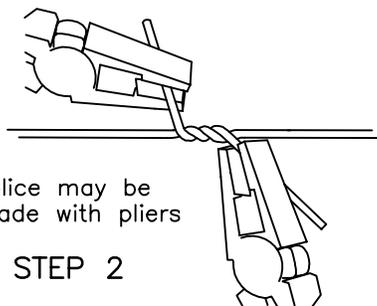


b) No. 9 gauge bright
L-shaped deformed
shank staple, 1-1/2"

STAPLES



STEP 1



splice may be
made with pliers

STEP 2



completed splice

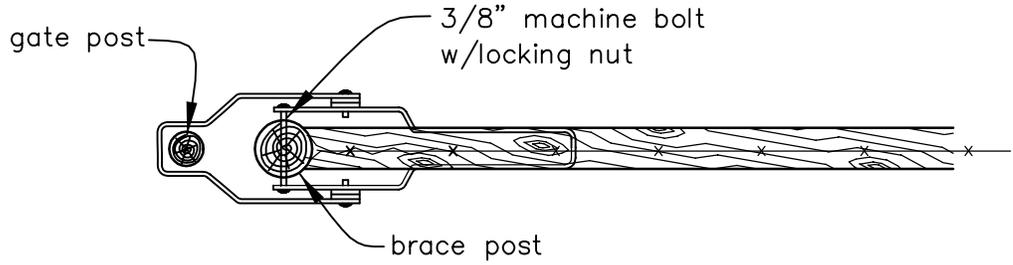
STEP 3

"WESTERN UNION" SPLICE

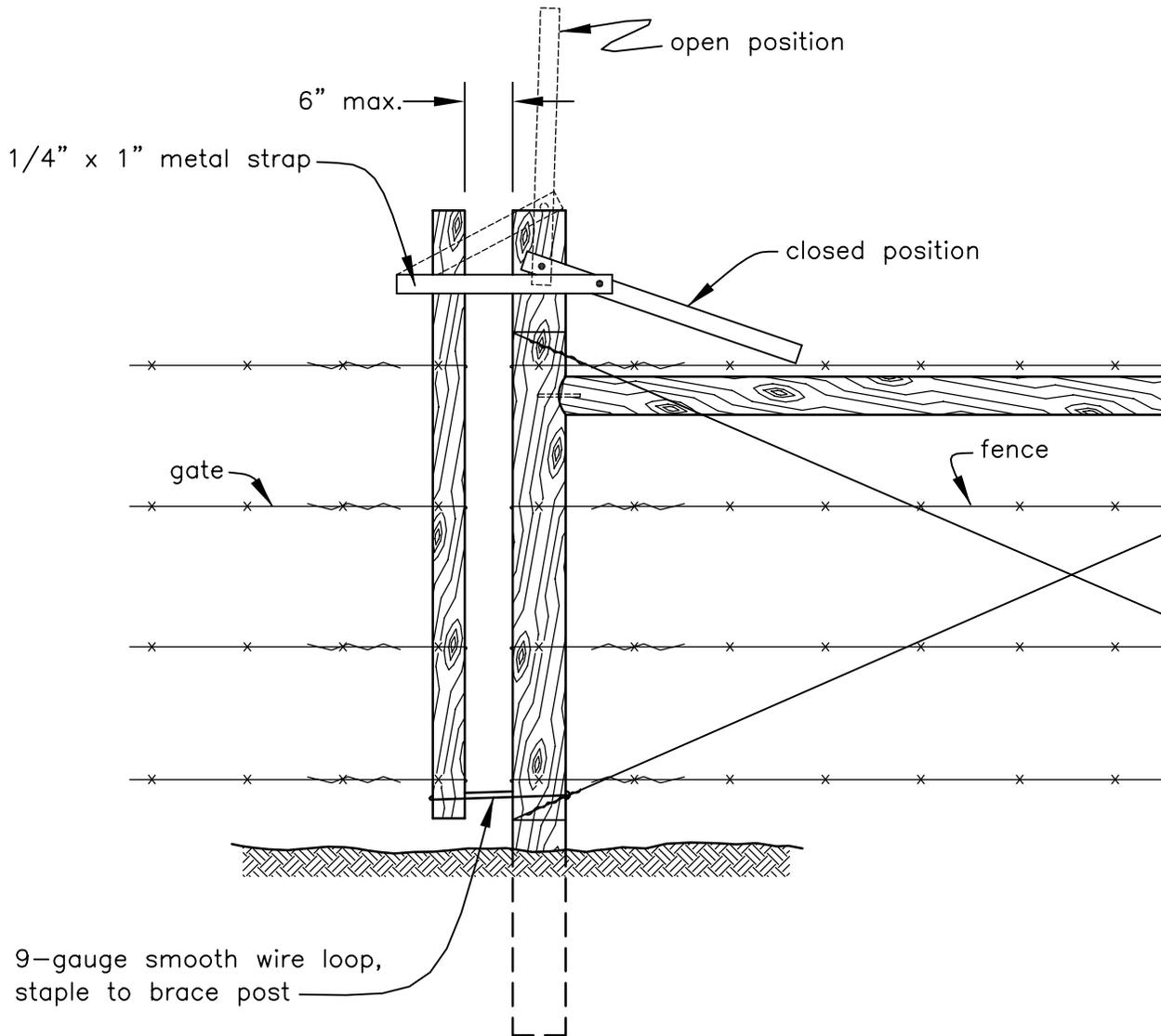
Drawing not to scale. Standardized drawing
must be adapted to the specific site.

Modified from Washington LSK-0001.dwg

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-60-001.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	



PLAN VIEW

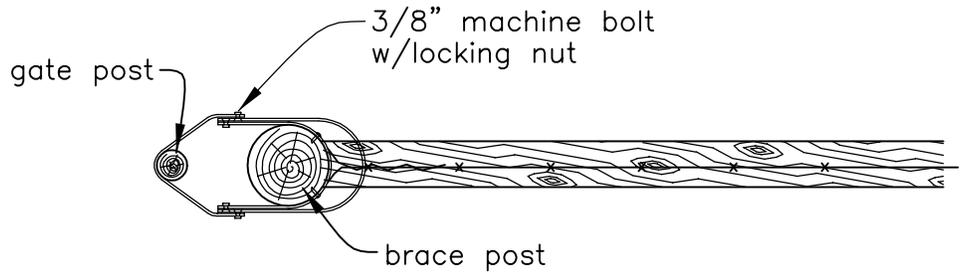


ELEVATION

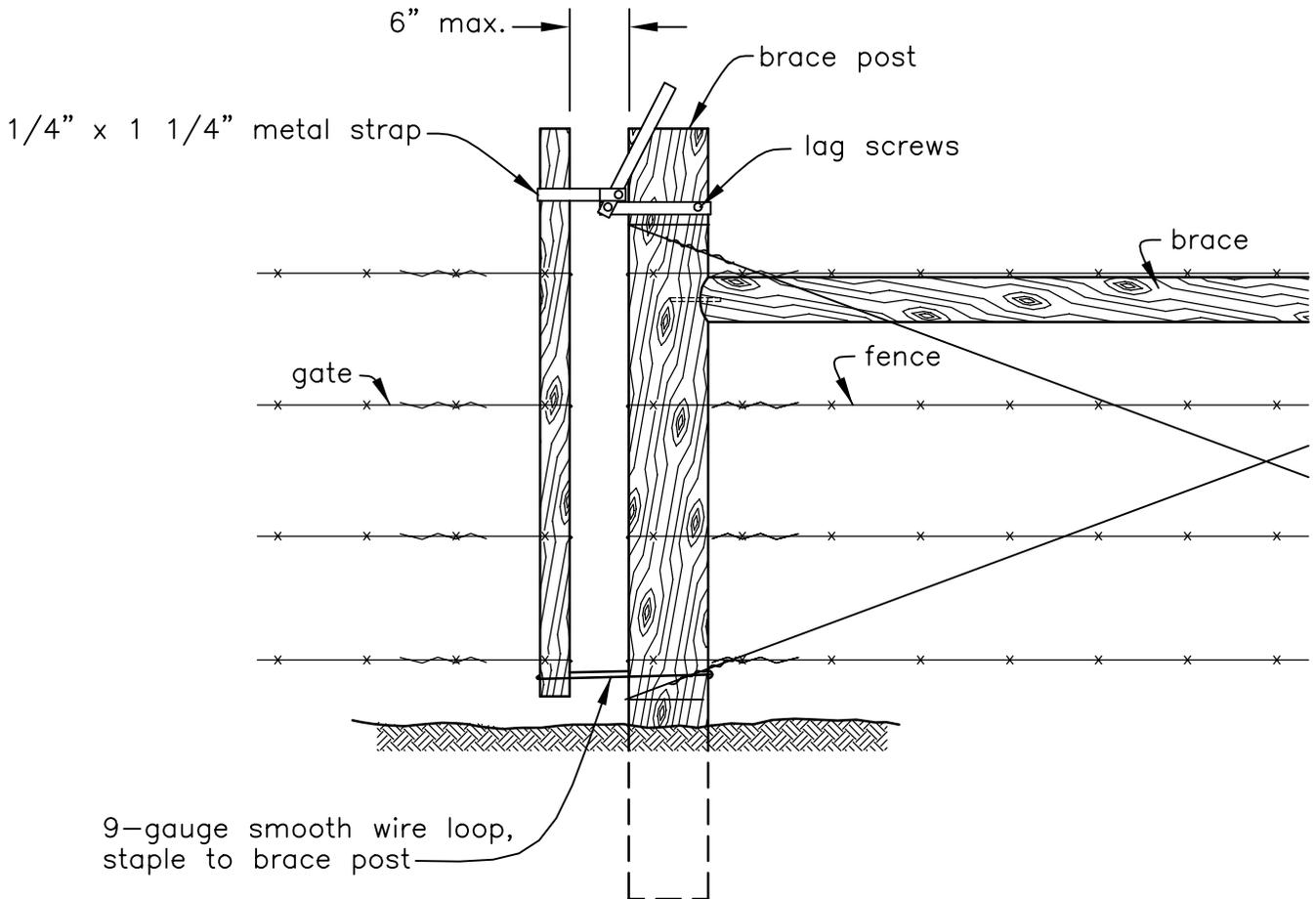
Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0041.dwg

JOB CLASS		Date
CAD FILE NO. NE500-60-002.dwg		Designed _____
SHEET OF		Drawn _____
U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE		Checked _____
		Approved _____



PLAN VIEW



ELEVATION

Drawing not to scale. Standardized drawing must be adapted to the specific site.

Modified from Washington LSK-0041.dwg

U.S.D.A. - NATURAL RESOURCES CONSERVATION SERVICE	JOB CLASS	Date
	CAD FILE NO. NE500-60-003.dwg	Designed _____
	SHEET OF	Drawn _____
		Checked _____
	Approved _____	