



United States Department of Agriculture
Natural Resources Conservation Service

NE-CPA-1
(November 2019)

FENCE CONSTRUCTION JOBSHEET

Client: _____ Date: _____
Legal or _____
Location: _____ Address: _____
NRD: _____ Field Office: _____
Program: _____ Contract or App. #: _____
Designed by: _____ Date: _____ Reviewed by: _____ Date: _____
Objective: _____

Tract No(s)	Field No(s)	Type of Fence (Standard, Electric, Suspension)	Contract or Agreement Item Number	Planned Length Linear Feet	Installed Length Linear Feet	Post Information (Installed)	
						No. Line Posts Installed	Average Post Spacing
Totals							

Attach map showing location of planned fence(s).

See attached specifications and drawings for material and installation requirements.

Producer's Statement: I have received a copy of the specifications and understand the contents and requirements.



Signature: _____

Date: _____

Practice Certification (to be completed after the fence(s) have been installed):

I certify that all fencing components have been installed according to the attached plans and specifications.



Signature: _____
Signature of client or contractor who installed the fence(s)

Date: _____

This practice as applied meets NRCS specifications and requirements.



Signature: _____
Signature of NRCS Representative or Technical Service Provider

Date: _____

SPECIFICATIONS WITH APPROPRIATE DRAWINGS ATTACHED – STANDARD FENCE

Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Specifications – Standard Fence, S-382a
eFOTG 382 Fence Drawings – Nebraska Standard Drawings included in this file: 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 http://efotg.sc.egov.usda.gov//references/public/NE/TG382_Fence_Drawings.pdf

STANDARD FENCE

NRCS or TSP: Check appropriate boxes to indicate planned materials and provide to client; when certifying practice, check appropriate boxes to indicated installed materials.

	Planned	Applied	
1. Posts:			
a. <u>Line Posts</u>			
<input type="checkbox"/>	<input type="checkbox"/>	Wood Posts:	3-inch minimum top diameter, minimum length 6 ½ feet, 2 ½ feet in the ground
<input type="checkbox"/>	<input type="checkbox"/>	Steel (T-shaped) Posts:	Attached anchor plate, painted, minimum length 6 feet, 1½ feet in ground, minimum weight of 1.33 pounds per foot
<input type="checkbox"/>	<input type="checkbox"/>	Fiberglass Posts:	1 ¼ inch minimum top diameter minimum length 6 feet, 2 feet in the ground
b. <u>Corner and gate posts:</u>			
<input type="checkbox"/>	<input type="checkbox"/>	Wood posts:	Minimum top diameter is 5 inches whenever there is 15 degrees or more change in direction of fence. Minimum length 8 feet. Minimum of 3½ feet in ground.
<input type="checkbox"/>	<input type="checkbox"/>	Steel posts:	7 feet minimum, 3 feet minimum (set in concrete), Round 2-3/8 inch Outside Diameter (O.D.) or Angle Iron 2-1/2 x 2-1/2 x ¼ inch
c. <u>Horizontal brace posts:</u>			
<input type="checkbox"/>	<input type="checkbox"/>	Wood:	Minimum top diameter 3 inches; minimum length 6 ½ feet
<input type="checkbox"/>	<input type="checkbox"/>	Steel:	Minimum top diameter is 2 inches; minimum length 6 ½ feet
2. Post spacing and wire type:			
<input type="checkbox"/>	<input type="checkbox"/>	Posts spaced an average of 1 rod apart (16 ½ feet) with at least 3 barbed wires	
<input type="checkbox"/>	<input type="checkbox"/>	Posts spaced an average of 20 feet apart and with at least 4 barbed wires.	
<input type="checkbox"/>	<input type="checkbox"/>	Woven wire, 26- to 42-inches high, may replace one barbed wire. Forty-two inches or taller woven wire may replace two barbed wires.	
3. Barbed wire requirements:			
<input type="checkbox"/>	<input type="checkbox"/>	Double strands of at least 12 ½ gauge wire with two point barbs of at least 14 gauge on about 5-inch or less centers.	
<input type="checkbox"/>	<input type="checkbox"/>	15 ½ gauge high tensile wire with two point barbs of at least 14 gauge on about 5-inch or less centers (min.).	
<input type="checkbox"/>	<input type="checkbox"/>	Type Z, Class 1 (min. or equiv.) zinc-coating as per ASTM A-121.	
4. Woven wire requirements:			
<input type="checkbox"/>	<input type="checkbox"/>	The top and bottom wires in the woven wire shall be at least 12 ½ gauge or heavier.	
<input type="checkbox"/>	<input type="checkbox"/>	The line and stay wires shall be at least 14 ½ gauge or heavier.	
<input type="checkbox"/>	<input type="checkbox"/>	Type Z, Class 1 (min. or equiv.) zinc-coating as per ASTM A-116 and the label shall indicate the woven wire meets ASTM A-116 requirements.	
<input type="checkbox"/>	<input type="checkbox"/>	Double strands of at least 12 ½ gauge wire with two point barbs of at least 14 gauge on 5-inch or less centers.	
5. Smooth wire requirements:			
<input type="checkbox"/>	<input type="checkbox"/>	Double strand of wire at least 12 ½ gauge.	
6. Line wire attachment ^{1/}:			
<input type="checkbox"/>	<input type="checkbox"/>	Staples – at least 9 gauge	
<input type="checkbox"/>	<input type="checkbox"/>	Wire fasteners – at least 12 gauge	
<input type="checkbox"/>	<input type="checkbox"/>	Other: _____	

^{1/} Copper Naphthenate treated posts will corrode steel staples, alternative fasteners will be needed.

Any changes or substitutions made to the above planned fence components below shall be approved by NRCS prior to installation.

Maintenance and Monitoring: Regular inspection of fences should be part of an ongoing maintenance program. Inspection of fences after storms, heavy snowfall and other disturbance events is necessary to insure the continued proper function of the fence. Maintenance and repairs will be performed in a timely manner as needed, including tree/limb removal, water gap replacement, replacement of broken posts and repair of wire. Replace, remove and properly discard all broken fencing material and hardware.

SPECIFICATIONS WITH APPROPRIATE DRAWINGS ATTACHED – PERMANENT ELECTRIC FENCE

Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Specifications – [Permanent Electric Fence, S-382c](#)

eFOTG 382 Fence Drawings – Nebraska Standard Drawings included in this file: 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. Drawings new: 07/01

Revised: 12-06. http://efotg.sc.egov.usda.gov/references/public/NE/TG382_Fence_Drawings.pdf

PERMANENT ELECTRIC FENCE

NRCS or TSP: Check appropriate boxes to indicate planned materials and provide to client; when certifying practice, check appropriate boxes to indicated installed materials.

	Planned	Applied	
1. Permanent Electric Fence - Number of Wires:			
	<input type="checkbox"/>	<input type="checkbox"/>	2-wire – 34-40 inch height of fence
	<input type="checkbox"/>	<input type="checkbox"/>	3-wire – 42 inch height of fence
	<input type="checkbox"/>	<input type="checkbox"/>	4-wire – 42 inch height of fence
	<input type="checkbox"/>	<input type="checkbox"/>	5-wire – 42 inch height of fence
2. Structural Fence - Number of Wires:			
	<input type="checkbox"/>	<input type="checkbox"/>	4-wire – 42 inch height of fence
	<input type="checkbox"/>	<input type="checkbox"/>	5-wire – 42 inch height of fence
3. Wire Specifications:			
	<input type="checkbox"/>	<input type="checkbox"/>	High tensile smooth wire of 12 ½ gauge and a minimum tensile strength of 140,000 psi
4. Line Wire attachment to posts:			
	<input type="checkbox"/>	<input type="checkbox"/>	Fence Fasteners <input type="checkbox"/> 10 gauge galvanized wire <input type="checkbox"/> clips
	<input type="checkbox"/>	<input type="checkbox"/>	Drilled holes in fiberglass posts
	<input type="checkbox"/>	<input type="checkbox"/>	Porcelain ceramic insulators
	<input type="checkbox"/>	<input type="checkbox"/>	Black polypropylene plastic insulators
	<input type="checkbox"/>	<input type="checkbox"/>	PVC hose in drilled wood posts
	<input type="checkbox"/>	<input type="checkbox"/>	Other: _____
5. Post specifications:			
a. <u>Line Posts:</u>			
	<input type="checkbox"/>	<input type="checkbox"/>	Fiberglass (minimum 1 ¼ inch diameter, 6 feet in length and 2 feet in ground):
	<input type="checkbox"/>	<input type="checkbox"/>	planned <input type="checkbox"/> applied <input type="checkbox"/> T-Shape planned <input type="checkbox"/> applied <input type="checkbox"/> Round
	<input type="checkbox"/>	<input type="checkbox"/>	Wood. Minimum top diameter of 3 inches, Minimum length of 6 ½ feet, 2 ½ feet in ground
	<input type="checkbox"/>	<input type="checkbox"/>	Steel (T-shape) with attached anchor plant, painted, minimum length 6 ½ feet, 1 ½ feet in ground, minimum weight of 1.33 pounds per foot.
b. <u>Corner and Gate Posts:</u>			
	<input type="checkbox"/>	<input type="checkbox"/>	Minimum top diameter of 5 inches and 8 feet in length, 3 ½ feet in ground
c. <u>Horizontal Brace Posts:</u>			
	<input type="checkbox"/>	<input type="checkbox"/>	Wood: Minimum top diameter 3 inches; minimum length 6 ½ feet
	<input type="checkbox"/>	<input type="checkbox"/>	Steel: Minimum top diameter is 2 inches; minimum length 6 ½ feet
d. <u>Spacing of Line Posts:</u>			
	<input type="checkbox"/>	<input type="checkbox"/>	Not to exceed 100 feet, based upon topography – stays every 50 feet
e. <u>Pull Post Assemblies:</u>			
	<input type="checkbox"/>	<input type="checkbox"/>	Not to exceed 4,000 feet, based upon topography

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SPECIFICATION WITH APPROPRIATE DRAWINGS ATTACHED – SUSPENSION FENCE

Field Office Technical Guide (eFOTG), Section IV, Conservation Practice Specifications – [Suspension Fence, S-382b](#)

eFOTG 382 Fence Drawings – Nebraska Standard Drawings included in this file: 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 Drawings new: 07/01 Revised: 12-06

http://efotg.sc.egov.usda.gov/references/public/NE/TG382_Fence_Drawings.pdf

SUSPENSION FENCE

NRCS or TSP: Check appropriate boxes to indicate planned materials and provide to client; when certifying practice, check appropriate boxes to indicated installed materials.

	Planned	Applied	
1. Posts:			
a.			<u>Line Posts:</u>
	<input type="checkbox"/>	<input type="checkbox"/>	Wood - 3-inch top diameter, minimum length 6 ½ feet, 2 ½ feet in ground
	<input type="checkbox"/>	<input type="checkbox"/>	Steel (T-shaped) with attached anchor plate, painted, minimum length 6 feet, 1 ½ feet in ground, minimum weight of 1.33 pounds per foot
	<input type="checkbox"/>	<input type="checkbox"/>	Fiberglass – 1 ¼ inch minimum top diameter minimum length 6 feet, 2 feet in the ground
b.			<u>Corner and Gate Posts:</u>
	<input type="checkbox"/>	<input type="checkbox"/>	Wood posts: Minimum top diameter is 5 inches. Minimum length 8 feet. 3 ½ feet in the ground
	<input type="checkbox"/>	<input type="checkbox"/>	Steel posts: 7 feet minimum, 3 feet minimum (set in concrete), Round 2-3/8 inch Outside Diameter (O.D.) or Angle Iron 2-1/2 x 2-1/2 x ¼ inch
c.			<u>Horizontal bracing posts:</u>
	<input type="checkbox"/>	<input type="checkbox"/>	Wood: Minimum top diameter 3 inches; minimum length 6 ½ feet
	<input type="checkbox"/>	<input type="checkbox"/>	Steel: Minimum top diameter is 2 inches; minimum length 6 ½ feet
2. Post spacing and Wires:			
	<input type="checkbox"/>	<input type="checkbox"/>	Line posts spaced no more than 75 feet apart with at least 4 strands of barbed wire.
			Wire stays spaced not more than 15 feet apart.
3. Line Wire Attachment to Posts ¹/:			
	<input type="checkbox"/>	<input type="checkbox"/>	Eye bolts (wooden posts)
	<input type="checkbox"/>	<input type="checkbox"/>	Metals strips (wooden posts) – 18 or 20 gauge, ½ inch wide
	<input type="checkbox"/>	<input type="checkbox"/>	Long staples (wooden posts) – 9 gauge
	<input type="checkbox"/>	<input type="checkbox"/>	Wire clips (steel posts)
	<input type="checkbox"/>	<input type="checkbox"/>	Other: _____

¹/Copper Naphthenate treated posts will corrode steel staples, alternative fasteners will be needed

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