

	STATE	PROJECT NO.	SECTION NO.	SHEET NO.
	ND	Project Number	20	sheet

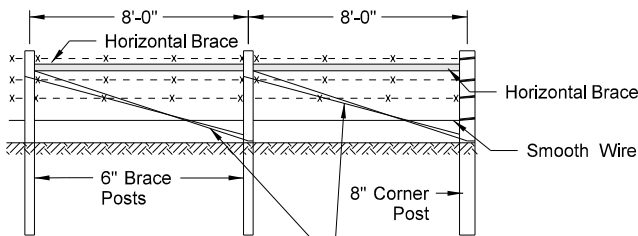
Notes:

- No deduction in measured pay length of cable fence made for gates, corner assemblies, double brace assemblies, fence terminals, or depression fencing. Include all costs for abutment fencing in the price bid for fencing bid items.
- Install double brace assemblies at locations shown on the plans or established by the Engineer. Place adjacent fence terminals, corner assemblies, or double brace assemblies at a maximum spacing of 1,320 feet.
- Include all costs of furnishing and installing inserts and eyebolts in the unit price bid for fencing bid items. Use eyebolts galvanized according to AASHTO designation M-30; inserts of corrosion resistant material do not require galvanization. Use concrete inserts capable of developing the full strength of the 5/8" diameter threaded eyebolt, when installed in concrete.
- Install steel posts on all terrain flatter than 2:1. In the areas 2:1 or steeper, install one wood post for every 3 steel posts.
- Barbed wire will be a minimum of 12½ gauge. Smooth wire for the bottom strand will be a minimum of 12½ gauge.
- Excluding the 4 main strands and the 4 strands on individual gates, #9 smooth wire will be used for all wire needs including but not limited to braces, gates, anchors, etc.
- Include the cost for bracing at vehicle gates in the price bid for "VEHICLE GATE".

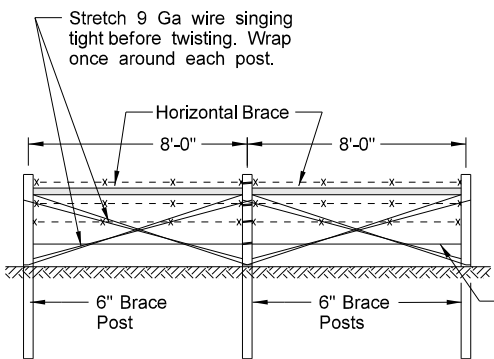
USFS FENCING SUMMARY (FOR INFORMATION PURPOSES ONLY)				
Type	Chain	Station Range	Offset	USFS Fence
				(LF)
Temporary	XXXX	??+?? to ??+??	Lt	???
			Rt	???
TOTAL =				???
Permanent	XXXX	??+?? to ??+??	Lt	???
			Rt	???
TOTAL =				???

Notes:

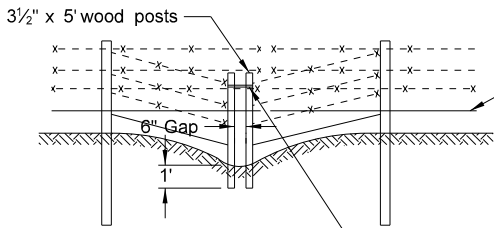
- Refer to Section 80 for proposed fencing layouts.



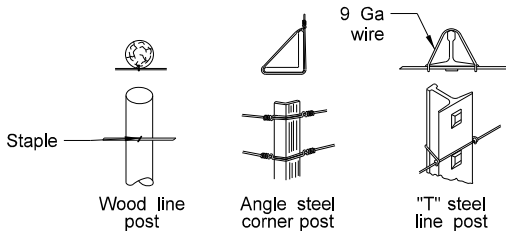
Fence Terminal



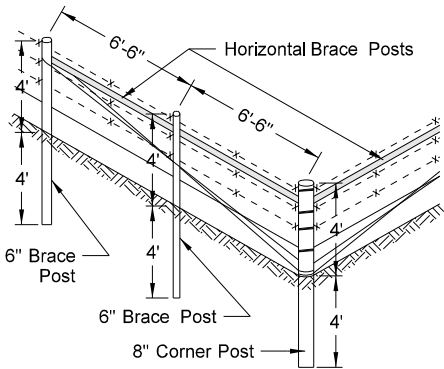
Double Brace Assembly



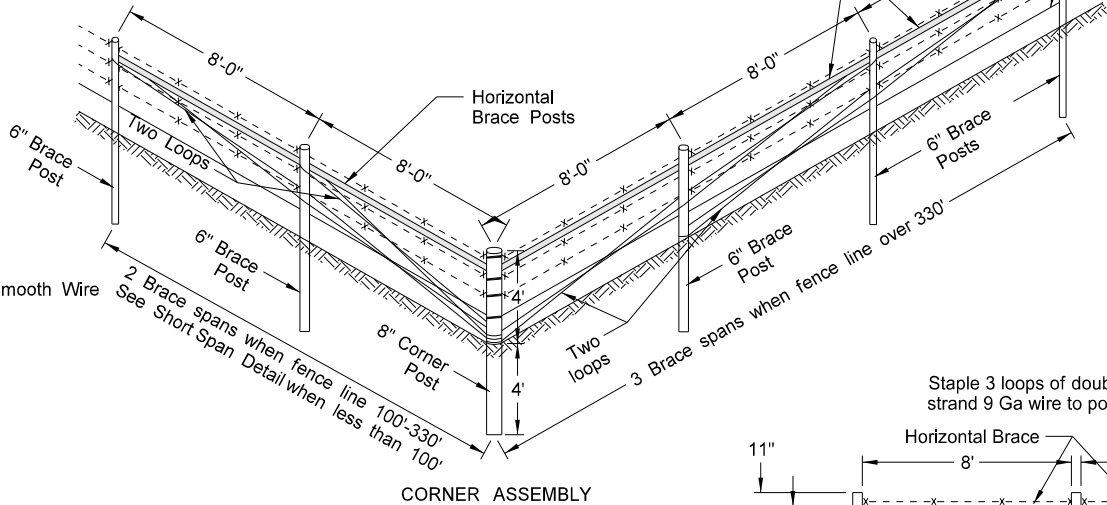
Break-Away Fence For Narrow Depressions Subject to Flooding



Fastening To Posts



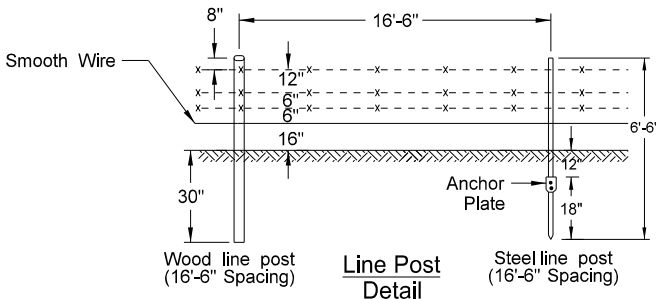
Short Span Detail
(Fence Line 100' or Less)



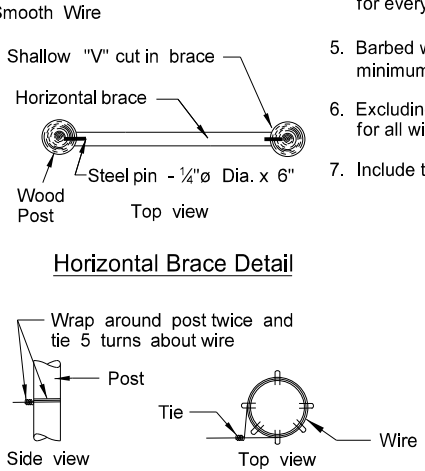
Detail for Anchoring Fences in Depressions*

*Determine locations in the field and include in price bid for fencing. Use other methods of anchoring fence if approved by the Engineer.

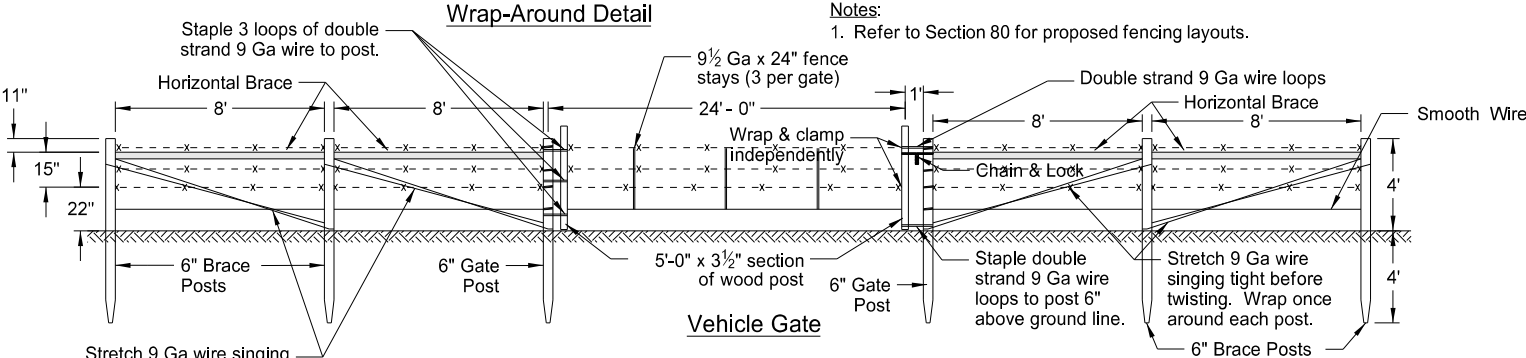
Use of Post	Treated Wood		Steel		
	Post Dia	Minumum Post Length	Minumum Post	Post Wt. (Lbs/Ft)	Anchor Wt. (Lbs)
Line Post	6"	6'-6"	6'-6"	1.33	0.67
Corner Post	8"	8'	7'	4.10	(Conc.)
End Post	8"	8'	-	-	-
Brace Post	6"	8'	7'	3.19	(Conc.)
Gate Post	6"	8'	-	-	-
Horizontal Brace	4"	8'	As approved by the Engineer		



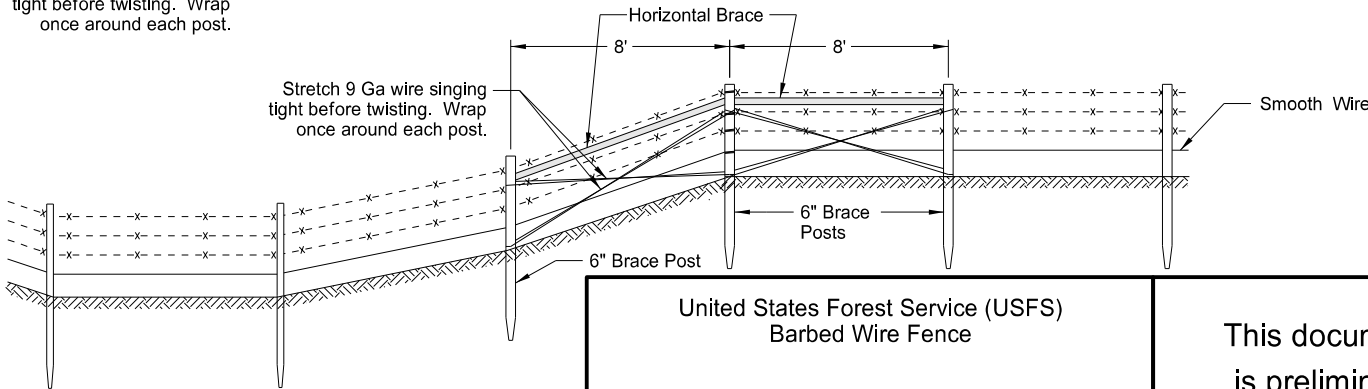
Line Post Detail



Horizontal Brace Detail



Vehicle Gate



Fencing for Wide Depressions

Use double brace installation, as shown, on opposite side of depression. Decrease line post spacing as needed due to terrain.

United States Forest Service (USFS)
Barbed Wire Fence

Project Description

Project Location

This document
is preliminary
and not for
construction or
implementation
purposes.