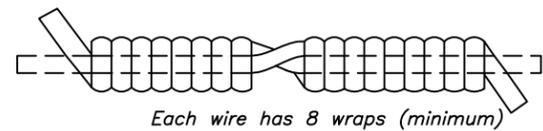


END DETAIL
Extending into Water

Revised groundline (minimum excavation, 12 ft. bottom width and 3:1 side slopes) to obtain 4 foot depth of water as shown.

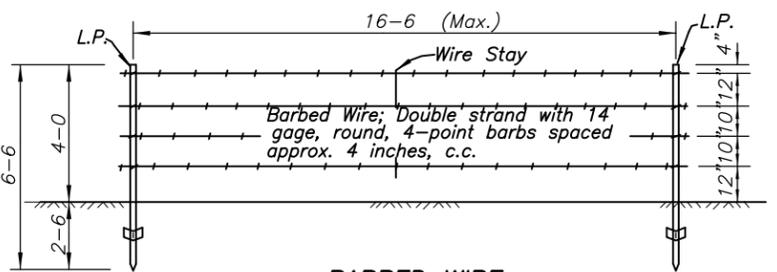
- NOTES:**
- Cattle panels shall be tied loosely to each post with 2 loops of 10 gage insulated copper wire near top, center and bottom of cattle panel. Insulation can be type THHN or THWN.
 - Trim to fit panel extending into water to obtain proper fit.
 - Cattle panels shall be 1/4" diameter galvanized steel rods welded together to form a wire mesh panel 52 inches high by 16 feet long. Maximum spacing of rods shall be 6 inches vertical and 8 inches horizontal.
 - End Detail Post shall be of sufficient length to extend 5 feet above revised groundline.



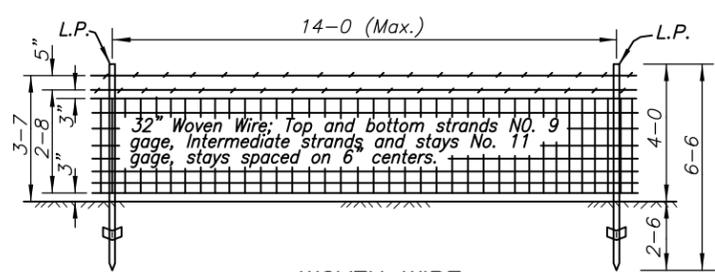
FULL "WESTERN UNION" SPLICE

- NOTES:**
- Special Anchors**
Line post subject to upward pull shall be anchored by 4" of high slump concrete placed around the post to a depth of 2'-6", bolting a pressure treated 2" x 4" x 2'-0" cross piece near bottom of post with a 3/8" x 8" bolt or approved screw anchor.
 - Steel Line Post**
Steel line post shall be T-Section with nominal weight of 1.33 lb/ft and shall be painted.
 - Gates**
When specified, tubular steel gates shall be used. Tubular steel gates shall be minimum 48 inches high with minimum of 5 horizontal bars. Spacing of vertical braces shall not exceed 8 feet. Tubular steel gates shall be welded at all joints and constructed of 2 inch diameter 16 gage steel tubing.
 - All metal parts shall be galvanized, cadmium coated or have two coats of Zinc Dust-Zinc Oxide Primer except Tubular steel gates which shall be painted as recommended by the manufacturer.
 - The fencing wire shall be fastened to each end post, corner post, gate post and pull post by a continuous wrap completely around post and tied back to itself with three (3) tightly wound wraps.
 - Tension wires shall be 4 strands of No. 9 Galvanized or cadmium coated smooth wire. Wire shall be secured at both post by stapling with a minimum of three staples. Wires shall be twisted with a 1 1/4" galvanized pipe tightener at least 18" long until assembly is rigid. The pipe shall be left in position and fastened to brace.
 - Gate fastener chain shall be of sufficient length to encircle end posts. Chain shall be of size recommended by gate manufacturer.
 - All galvanized pipe shall be galvanized steel standard weight conforming to ASTM A53 or equivalent.
Pipe Brace and Tightener Pipe - 1 1/4" NPS
End Detail Post - 2" NPS
 - If wood brace is used, it shall be nominal 4" square or 5" diameter.

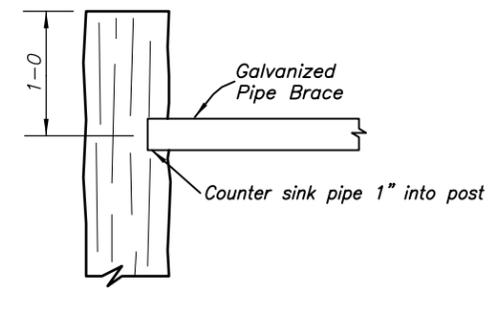
BILL OF MATERIALS		
Item	Size	Length
End Post (E.P.), Gate Post (G.P.)	6" (Min. Diam)	8-0 (Min.)
Corner Post (C.P.)		
Brace Post (B.P.)		
Line Post (L.P.)	Steel	See Note 2 6-6 (Min.)
Brace	Wood	See Note 9 7-6 (Approx.)
	Galv. Pipe	See Note 8 7-6 (Approx.)
Dowel Pins-Steel	1/2" Diam.	0-6
Woven Wire-Galvanized	832-6-11	
Barbed Wire-Galvanized	12 1/2 Gage	
Staples	9 Gage	
Tension Wire-Galvanized	9 Gage	
Wire Stays-Galvanized	9 1/2 Gage	3-6 (Min.)
End Detail-Galvanized	See Note 8	10-0 (Min.)
Cattle Panels	See Notes a, b & c	16-0
End Detail Post	See Note 8	See Note d



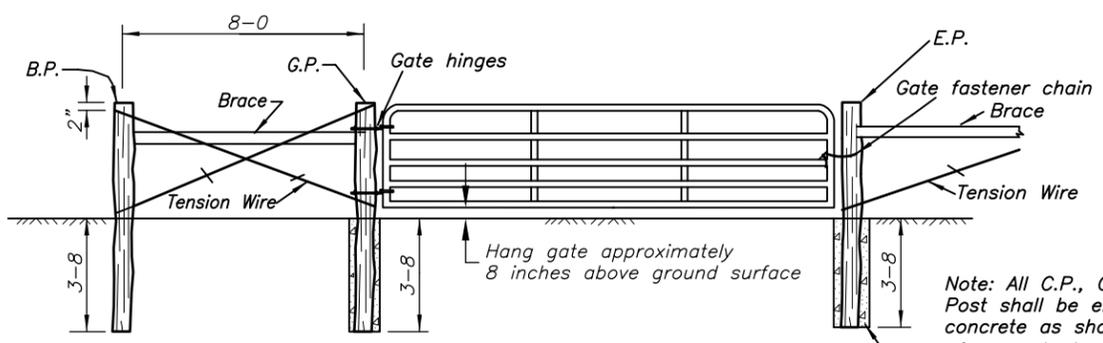
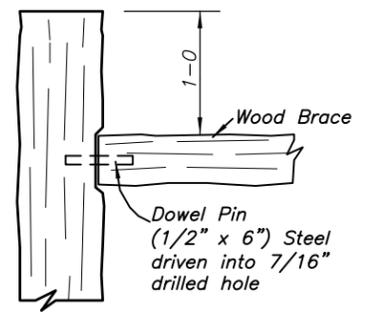
BARBED WIRE
TYPE I



WOVEN WIRE
TYPE I, STYLE 1



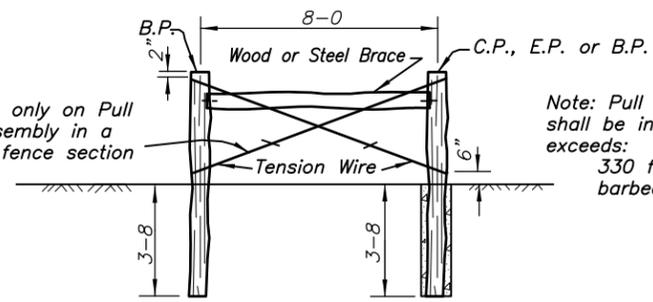
BRACE DETAIL



TUBULAR STEEL GATE DETAIL

Note: All C.P., G.P. and E.P. and End Detail Post shall be embedded in high slump concrete as shown. Furnishing and installation of concrete is subsidiary to the item "Fence".

Note:
At contractor's option Brace Post may be set in concrete as shown for C.P., E.P. or B.P.



END PANEL
CORNER OR PULL POST ASSEMBLY

Required only on Pull Post Assembly in a straight fence section

Note: Pull Post Assembly (minus the concrete) shall be installed when a straight fence section exceeds:
330 feet for woven wire and 660 feet for barbed wire.

DRAFT
NOT FOR CONSTRUCTION

DETAIL - MEDIUM DUTY FENCE



File Name _____
Drawing Name
29-N-500
Sheet _____ of _____

Date _____
Designed _____
Drawn _____
Checked _____
Approved _____