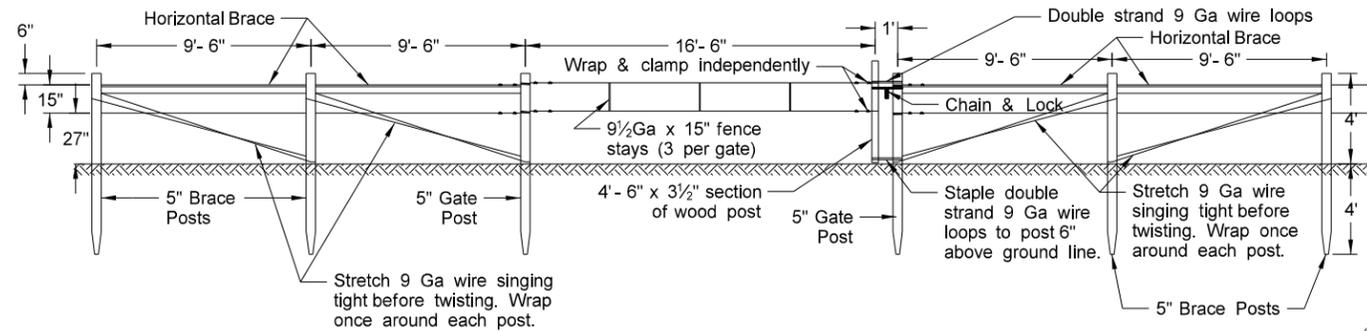
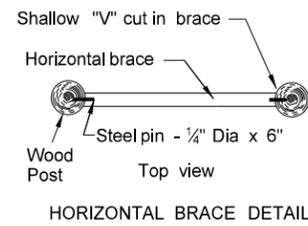


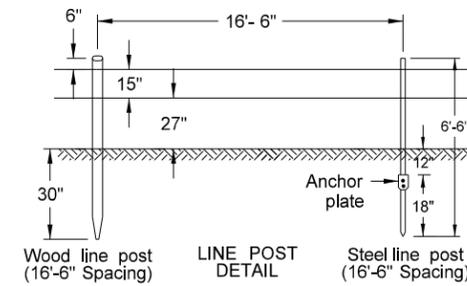
TWO STRAND CABLE FENCE



VEHICLE GATE



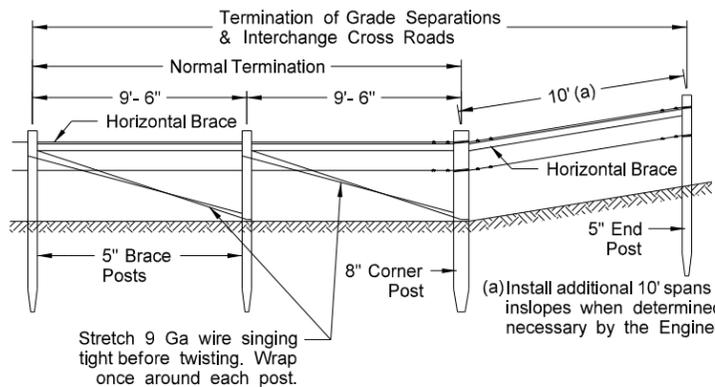
HORIZONTAL BRACE DETAIL



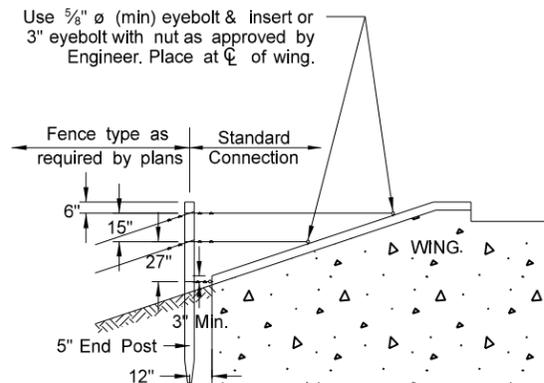
LINE POST DETAIL

NOTES

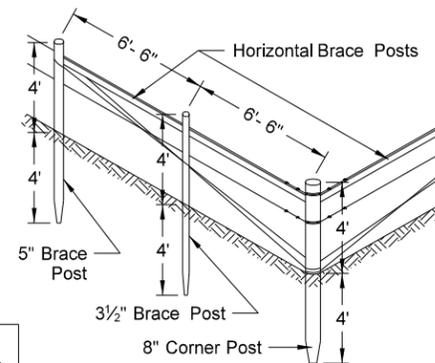
1. Use 1/8" diameter cable with 2000 pound strength for cable fence.
2. No deduction in measured pay length of cable fence made for gates, corner assemblies, double brace assemblies, fence terminals, or depression fencing. Include all costs for abutment fencing in the price bid for fencing bid items.
3. 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.
4. 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.
5. Determine post type used, either wood or steel, unless otherwise specified in the plans.



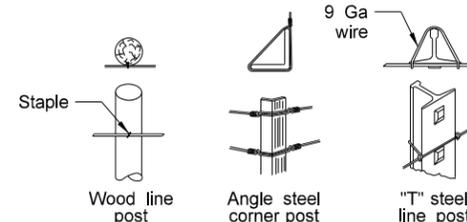
FENCE TERMINAL



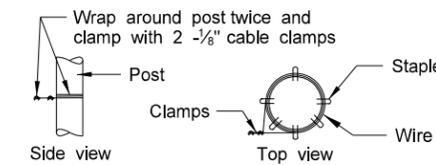
DETAIL FOR TYING FENCE TO WINGS OF ABUTMENTS



SHORT SPAN DETAIL (FENCE LINE 100' OR LESS)

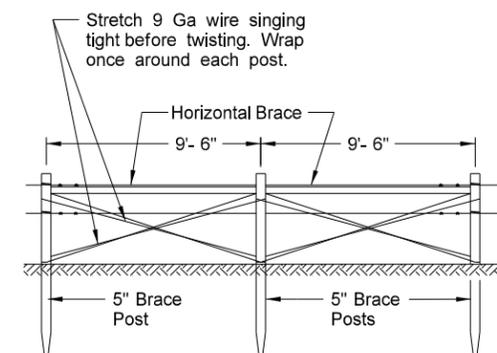


FASTENING TO POSTS

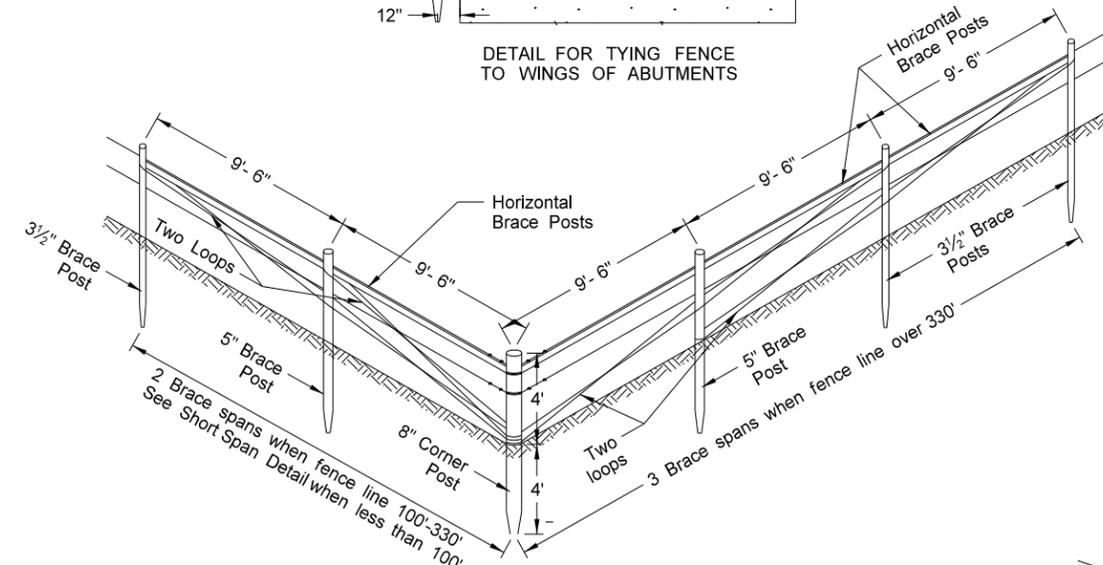


WRAP-AROUND DETAIL

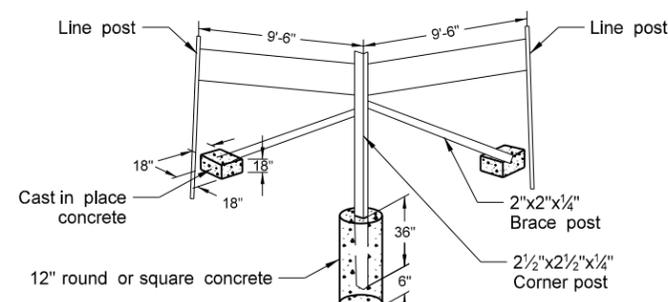
| USE OF POST | POST SIZES | | | | |
|------------------|--------------|-------------|-----------------------------|-----------------|-----------------|
| | TREATED WOOD | | STEEL | | |
| | Post dia. | Post length | Post length | Post wt. Lbs/Ft | Anchor wt. Lbs. |
| Line post | 3 1/2" | 6'-6" | 6'-6" | 1.33 | 0.67 |
| Corner post | 8" | 8' | 7' | 4.10 | (Conc.) |
| End post | 5" | 8' | | | |
| Brace post | 5" | 3 1/2" | 8' | 7' | 3.19 (Conc.) |
| Gate post | 5" | 8' | | | |
| Horizontal brace | 3 1/2" | Var. | As approved by the Engineer | | |



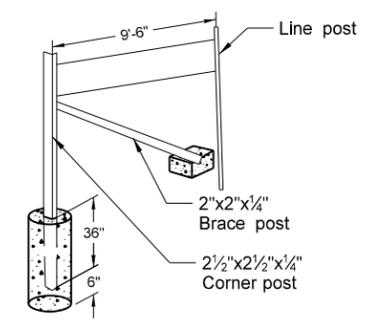
DOUBLE BRACE ASSEMBLY



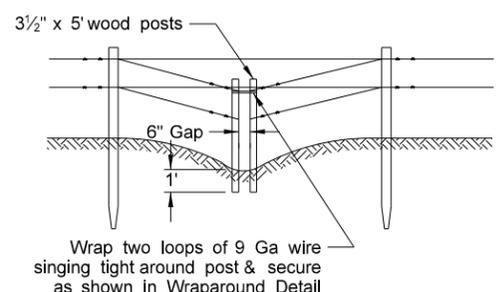
CORNER ASSEMBLY



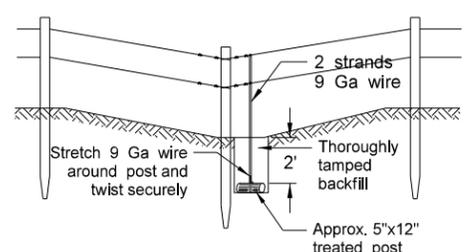
CORNER AND DOUBLE BRACE ASSEMBLY STEEL POSTS



FENCE TERMINAL STEEL POSTS

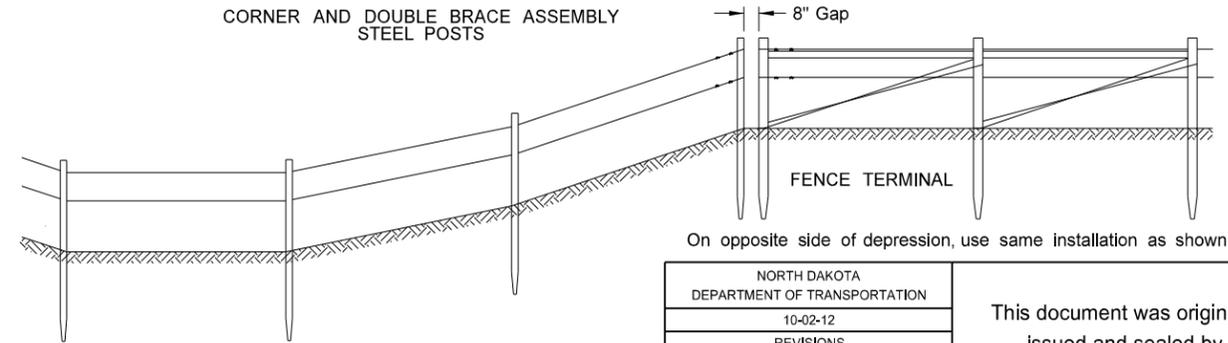


BREAK-AWAY FENCE FOR NARROW DEPRESSIONS SUBJECT TO FLOODING



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.



FENCING FOR WIDE DEPRESSIONS

| | |
|---|--------------------------|
| NORTH DAKOTA DEPARTMENT OF TRANSPORTATION | |
| 10-02-12 | |
| REVISIONS | |
| DATE | CHANGE |
| 10-17-17 | Updated to active voice. |

This document was originally issued and sealed by Roger Weigel, Registration Number PE-2930, on 10-17-2017 and the original document is stored at the North Dakota Department of Transportation