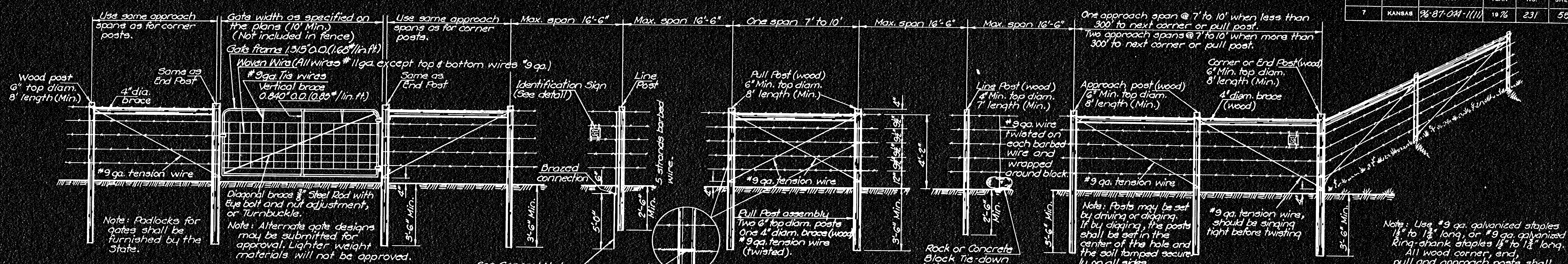
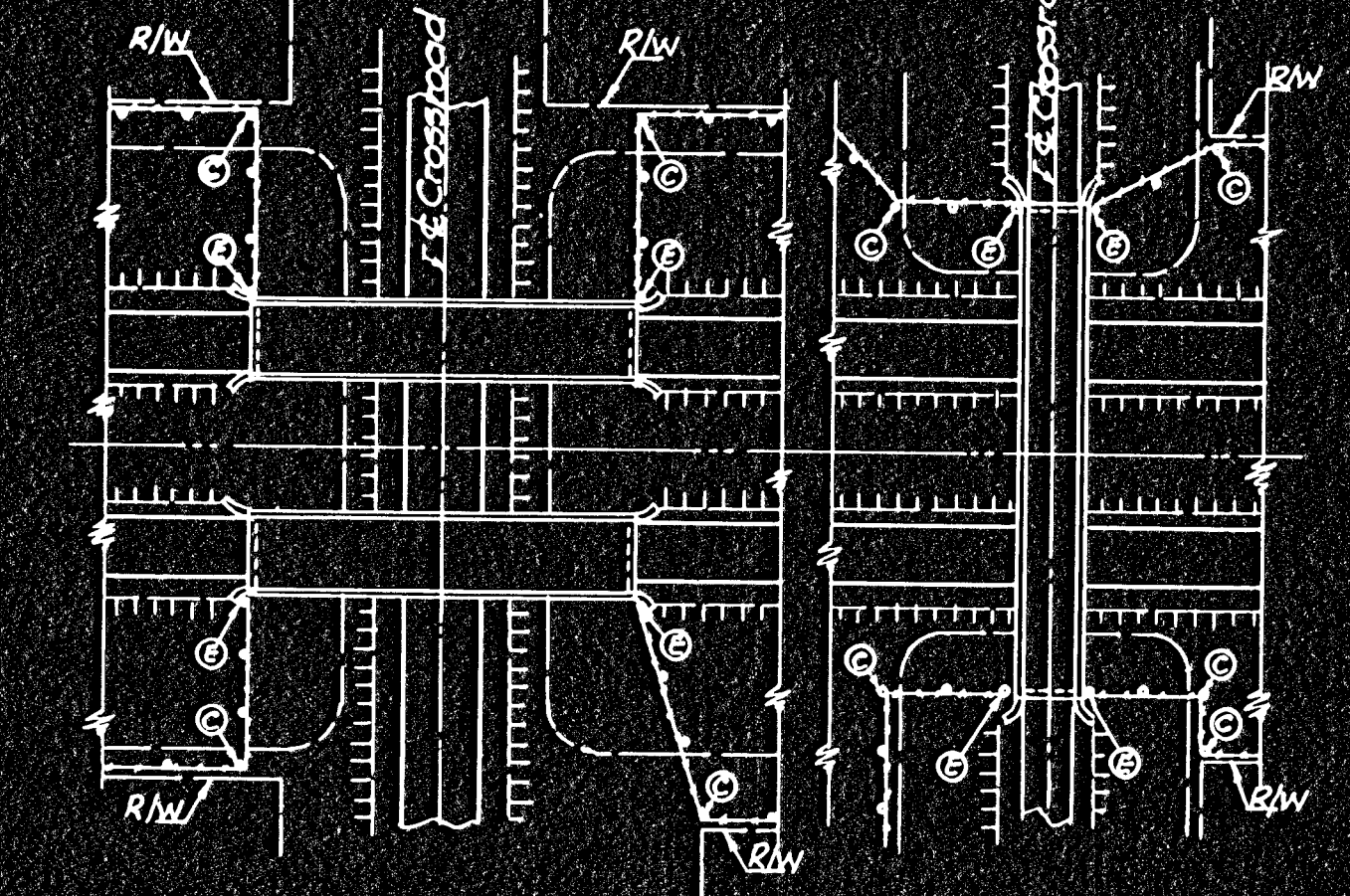
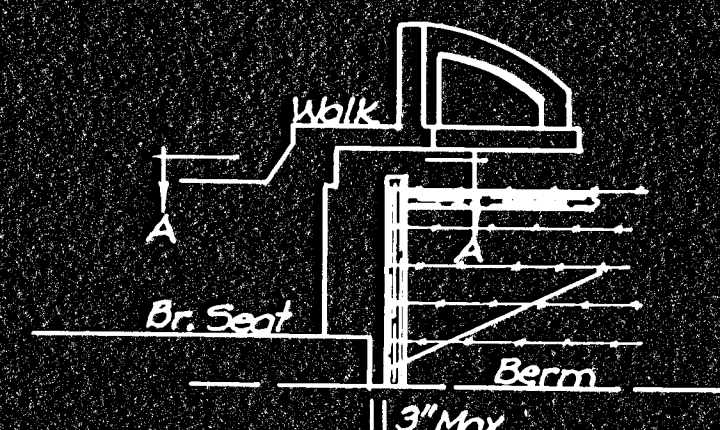
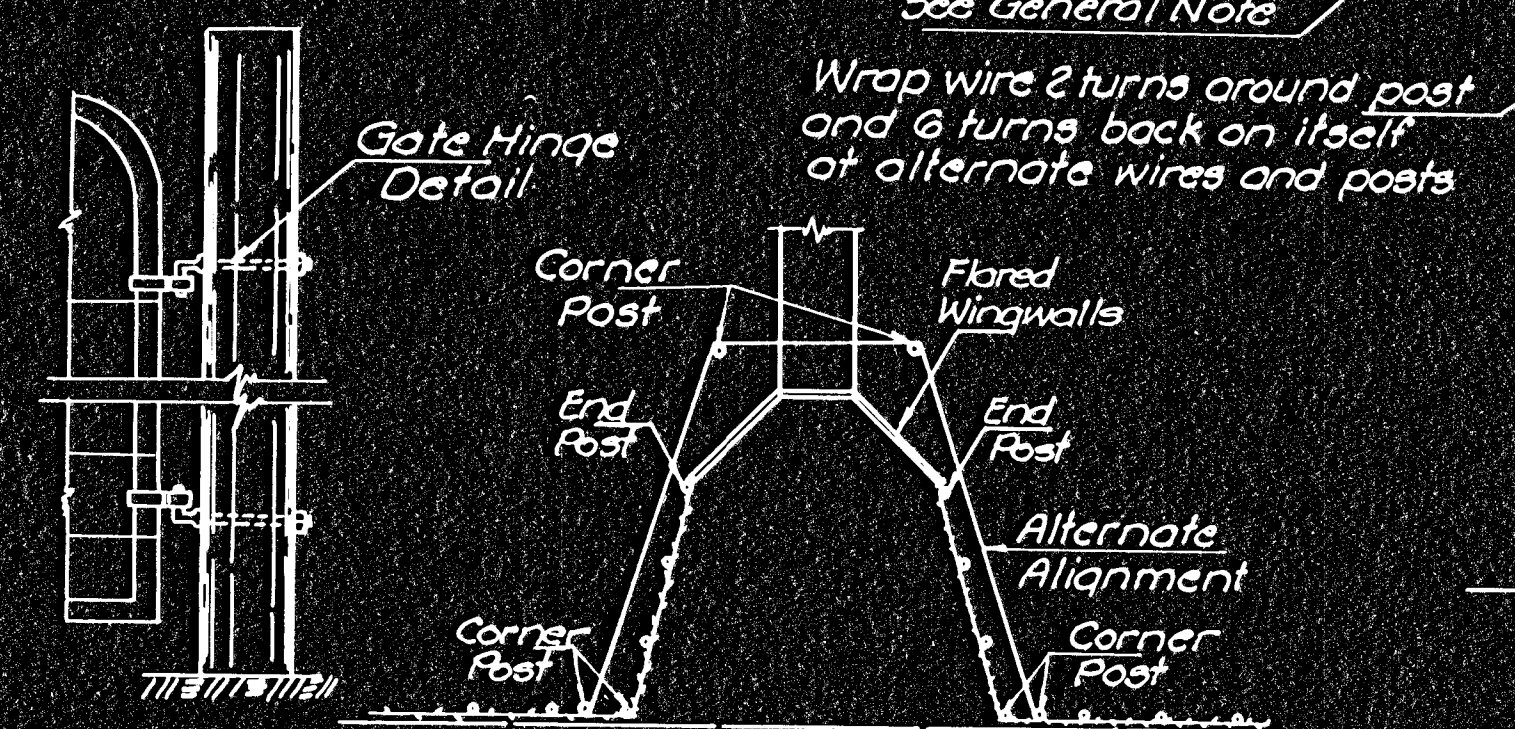


| FHWA REG. NO. | STATE | PROJECT | FISCAL YEAR | SHEET NO. | TOTAL SHEETS |
|---------------|--------|-----------------|-------------|-----------|--------------|
| 7 | KANSAS | 96-87-044-1(11) | 1976 | 231 | 557 |



BARBED WIRE FENCE



GENERAL NOTE:

Pull post assembly shall be used at sharp breaks in vertical grade, or at approximately 1920 ft. centers on straight runs, or as directed by the Engineer.

All wood posts and braces shall be treated with creosote or pentachlorophenol in accordance with the requirements of the specifications.

Concrete used in fence installation shall be Class B and shall conform to the requirements of the specifications.

All steel posts, braces and gate frames shall be galvanized. Steel posts shall be provided with fasteners to prevent slippage of the wire strands.

Outside diameters shown for tubular steel posts, bracing and gate frames are nominal. Weight tolerances shall be as shown in the specifications.

When wood posts are used the fence shall be grounded by a 3/8" galvanized or copper coated rod five (5) feet long, driven vertically until the top is six (6) inches below the ground surface. A #6 solid copper conductor shall be securely fastened to each element of the fence by use of clamps or other suitable device. To be used at intervals of 175' (Max.).

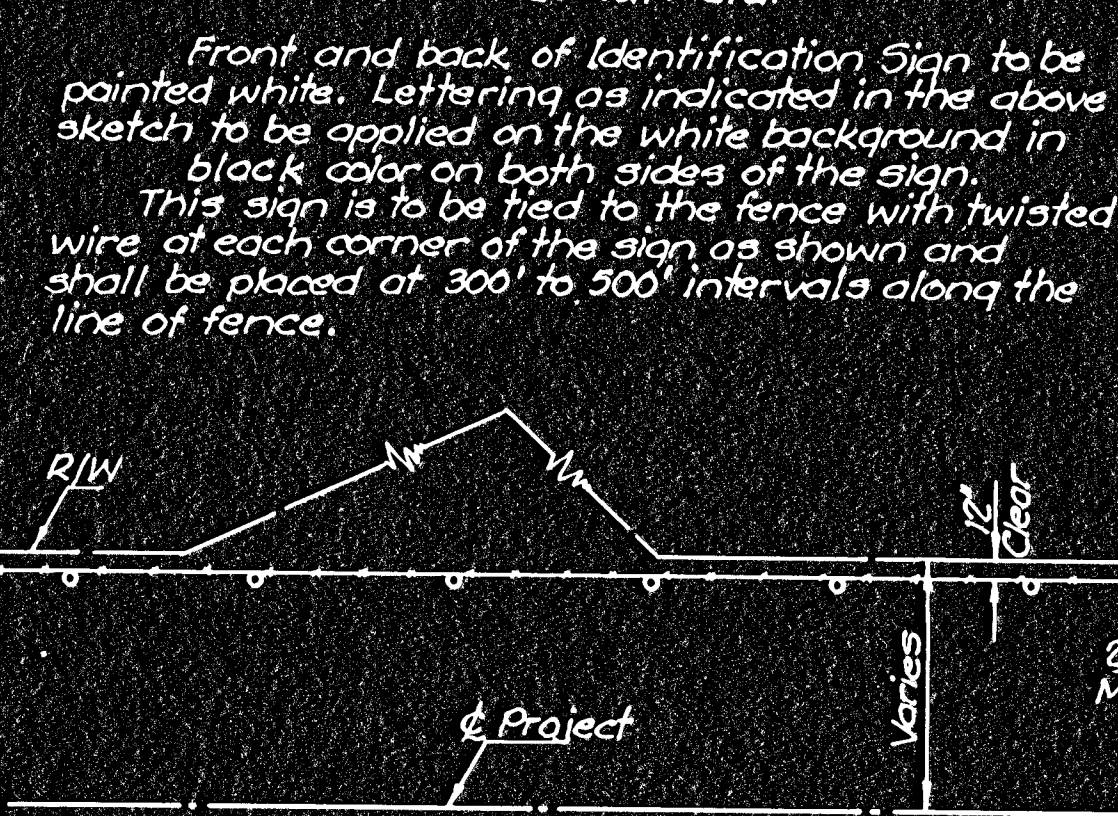
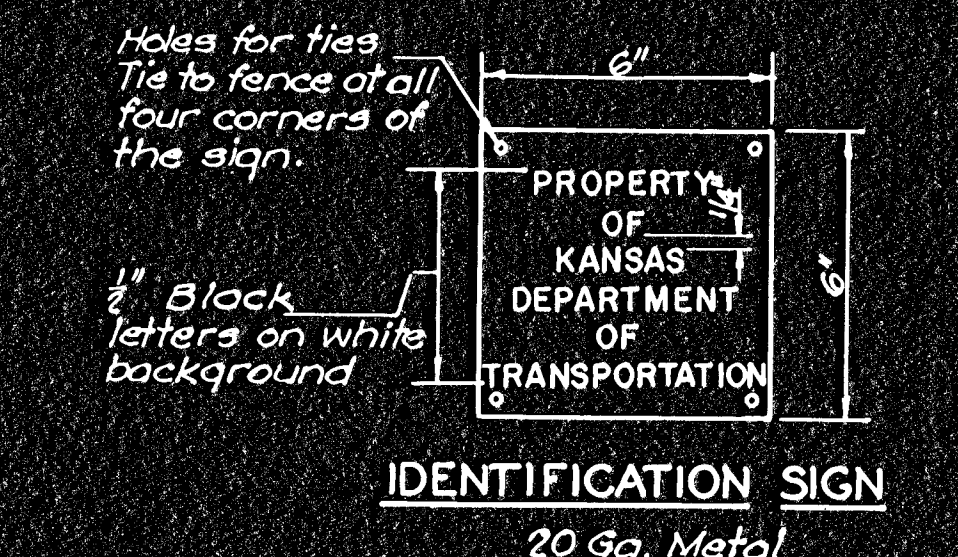
In lieu of using the galvanized or copper coated rod as described above the contractor may at his option, use a steel line post at intervals not to exceed each 3rd post.

The galvanized or copper coated rod shall be used where power lines pass over the fence.

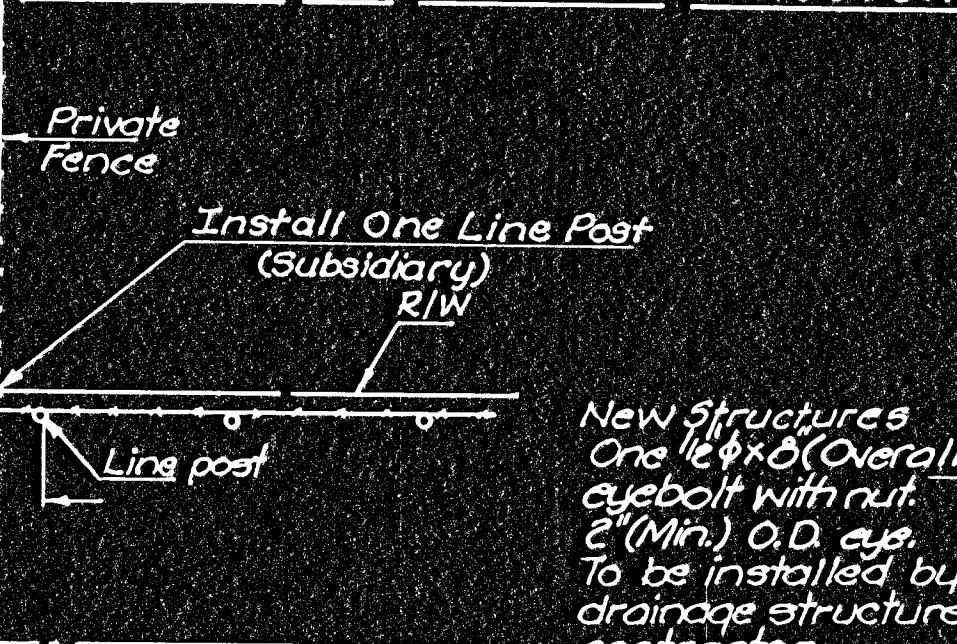
Barbed wire and tension wire shall be either zinc coated (galvanized) or aluminum coated. Both ends of all wood posts shall be cut square with the axis of the post. Pointed posts will not be permitted.

All barbed wire shall be 12 1/2 gauge, 4 point barbs interlocked and wrapped around one main wire. Average spacing between barbs shall not be more than 5".

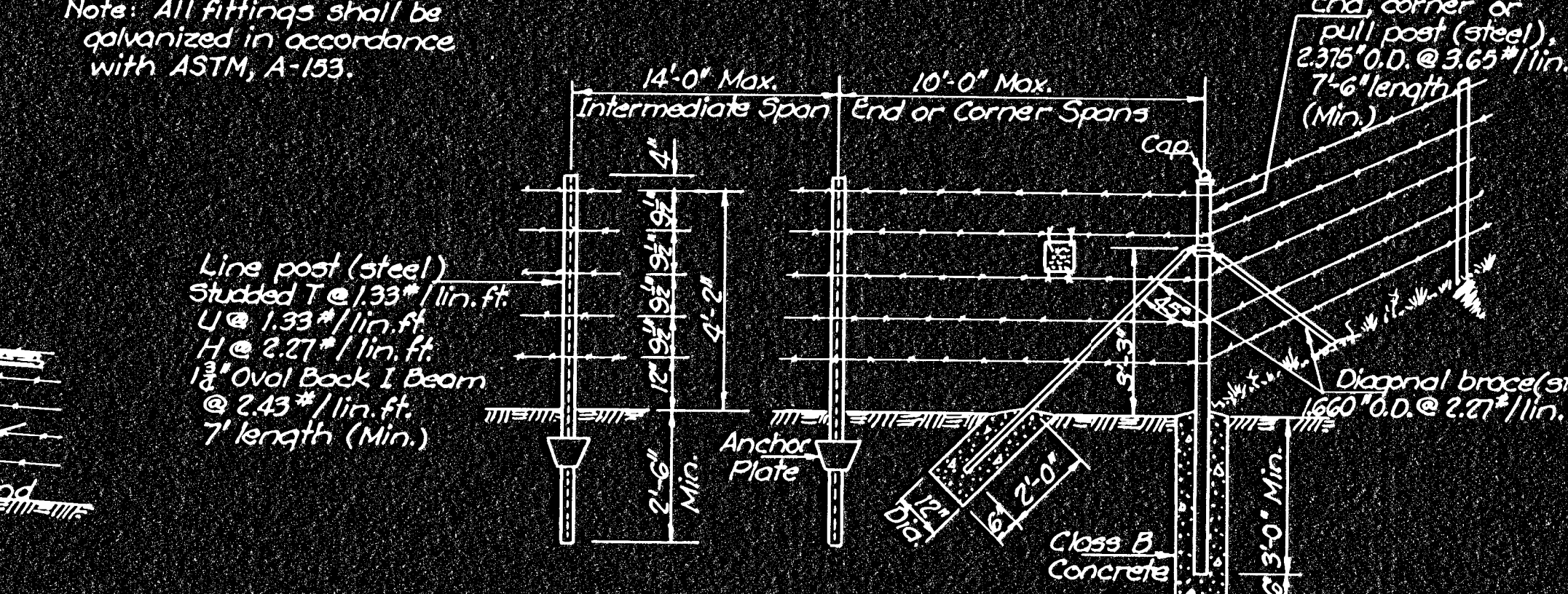
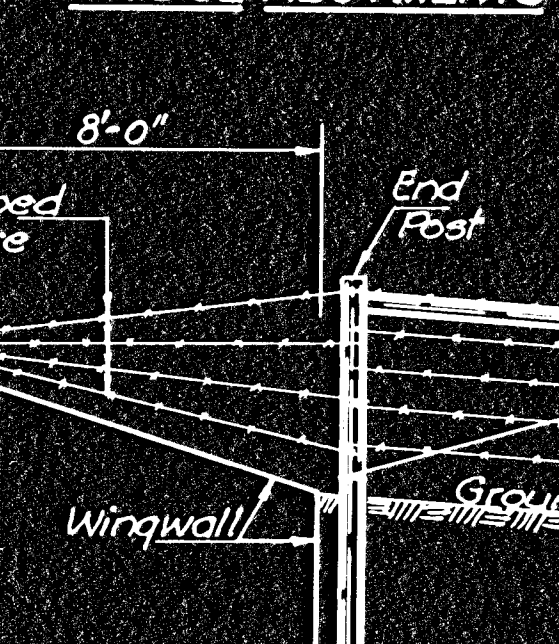
A line post shall be used at each cross fence, and the contractor shall make a temporary connection. This work shall be subsidiary to other bid items.



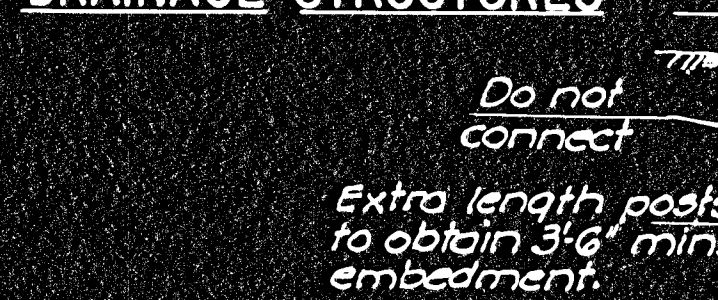
FENCE ALIGNMENT AT UNDERPASS OR CONCRETE BOX DRAINAGE STRUCTURE



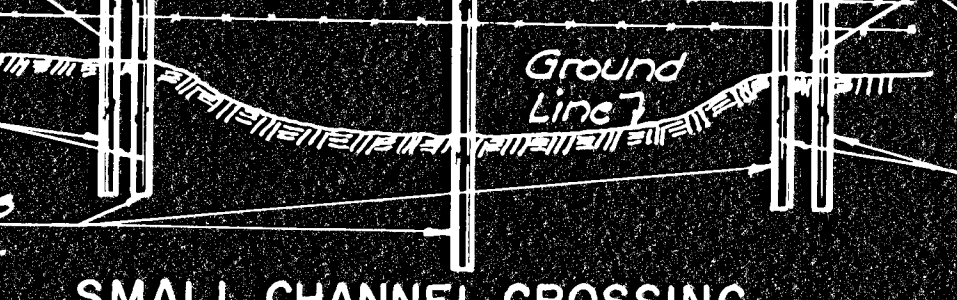
FENCE DETAILS AT BRIDGE ABUTMENTS



FENCE DETAILS AT DRAINAGE STRUCTURES



SMALL CHANNEL CROSSING



Note: Right of Way fence shall generally be set parallel to and 12' clear from the Right of Way line.

The alignment layouts as shown are typical, but are not representative of all situations that may occur. Construction may be varied as required to meet field conditions and/or as directed by the Engineer.

Private fence shall not be connected to the highway fence.

New Structures One 1 1/2" x 8" (Overall) eyebolt with nut. 2" (Min.) O.D. eye. To be installed by the drainage structure contractor.

Existing Structures One 1 1/2" x 6" (Min. overall) anchor eyebolt 2" (Min.) O.D. eye. To be installed by the fence contractor.

The above sketch is typical only and can be varied to fit existing conditions. Small channel crossings shall be included in lin. ft. of fence. All extra materials and labor within the small channel crossing shall be subsidiary to lin. ft. of fence. (Various types of fence)

| NO. | DATE | REVISIONS | BY | APP'D |
|-----|---------|---|--------|--------|
| 16 | 3-10-74 | Revised Identification Sign | W.L.H. | L.R.P. |
| 15 | 7-12-73 | Rev. Small Ch. Crossing Note | W.L.H. | K.G.L. |
| | | Deleted Priv. F. Form; added Line Po. at Cross. Fc. | W.L.H. | K.G.L. |
| 14 | 8-71 | Rev. Print color on Identification Sign | A.L.R. | K.G.L. |
| 13 | 4-67 | Rev. wood post detail & barbed wire notes | A.L.R. | K.G.L. |
| 12 | 1-67 | | | |

KANSAS DEPARTMENT OF TRANSPORTATION

HIGHWAY FENCE (BARBED WIRE)

STD. NO. 672.1

| SHEET NO. | OF | SCALE: Not shown | APP'D | TRACED | |
|------------|-----|------------------|-------|------------|------------|
| DESIGNED | WAB | DETAILED | WAB | QUANTITIES | TRACED |
| DESIGN CK. | KGL | DETAIL CK. | KGL | QUAN. CK. | TRACED CK. |