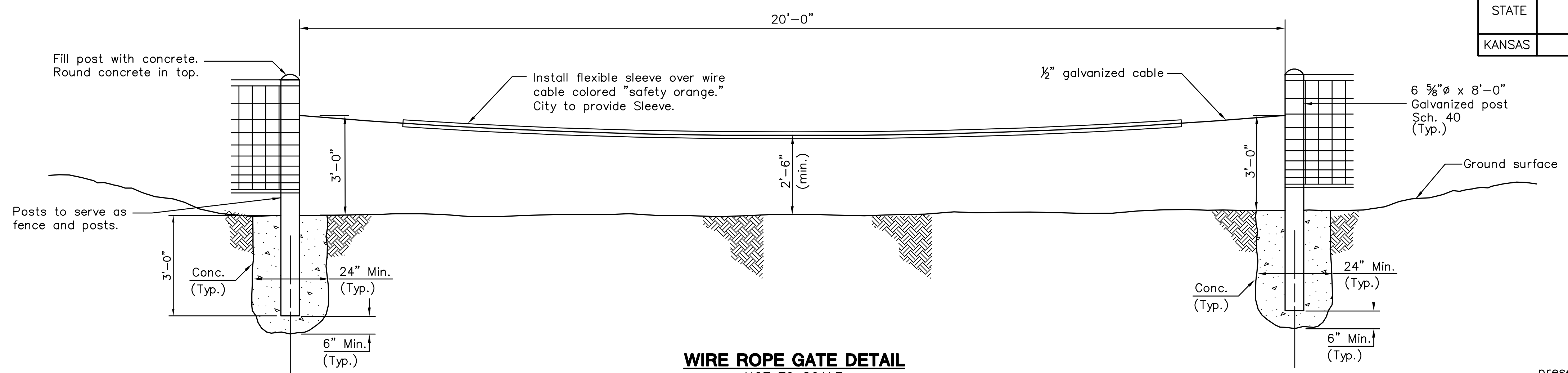


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	87 N-0519-01	2012	132	212

MKEC
ENGINEERING
CONSULTANTS, INC.
411 N. WEBB ROAD
WICHITA, K.S. 67206
316-684-9600



WIRE ROPE GATE DETAIL
NOT TO SCALE

- NOTES:**
- All materials, equipment, and labor necessary for the installation of the Gate shall be Subsidiary to the bid item "Wire Rope Gate".
 - Concrete fill all 6 5/8" posts.
 - Refer to Fencing Plan for Gate Locations.

GENERAL NOTE

Wood posts and braces shall be given a preservative treatment as provided in the Standard Specifications. Both ends of all wood posts shall be cut normal to the axis of the post. Pointed posts will not be permitted. Wood corner, end, pull and approach posts shall be notched to support ends of wood braces. Wood braces shall be toenailed to the posts with 2-10d nails in each end of the brace. When wood posts are used, both ends of all tension wires shall be wrapped around the posts twice and stapled in place. When wood posts are used the fence shall be grounded by a 5/8" diameter galvanized or copper coated rod five feet long, driven vertically until the top is six 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. Grounding rod shall be installed at intervals of 175' maximum. 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 eighth post. The galvanized or copper coated rod shall be used where power lines pass over the fence. All steel posts, braces, fittings, and gate frames shall be galvanized and/or coated. 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. Posts may be set by driving or digging. If by digging, the posts shall be set in the center of the hole and the soil tamped securely on all sides. Pull post assembly shall be used at sharp breaks in vertical grade or at approximately 330' centers on straight runs or as directed by the Engineer. Concrete used in fence installation shall conform to the requirements of the City Standard Specifications. Barbed wire and tension wire shall be either zinc coated (galvanized) or aluminum coated. Minimum strength of tension wire shall be as provided in the Standard Specifications. Woven wire and tension wire shall be either zinc coated (galvanized) or aluminum coated. Use #9 gauge galvanized staples 1 1/2" to 1 3/4" long, or #9 gauge galvanized Ring-shank staples 1 1/2" to 1 3/4" long. Alternate gate designs may be submitted for approval. Lighter weight materials will not be approved.

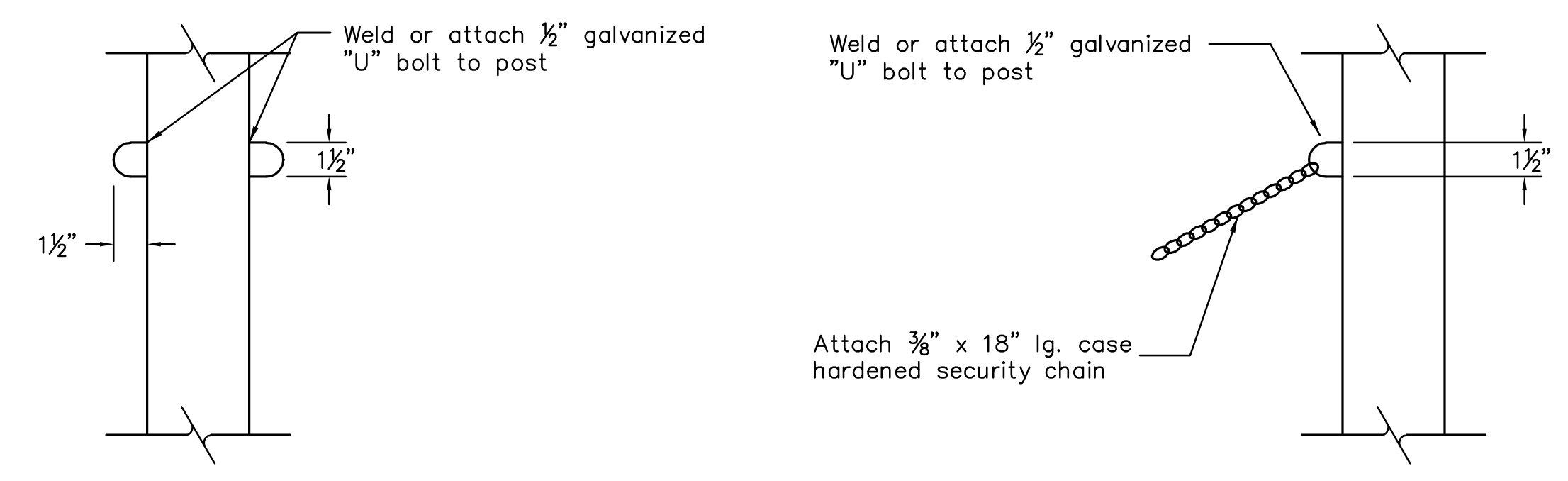
**BROADWAY BRIDGE
AT 34TH STREET SOUTH**

WOVEN WIRE FENCING DETAILS
SHEET TITLE
472-84830
PROJECT NUMBER

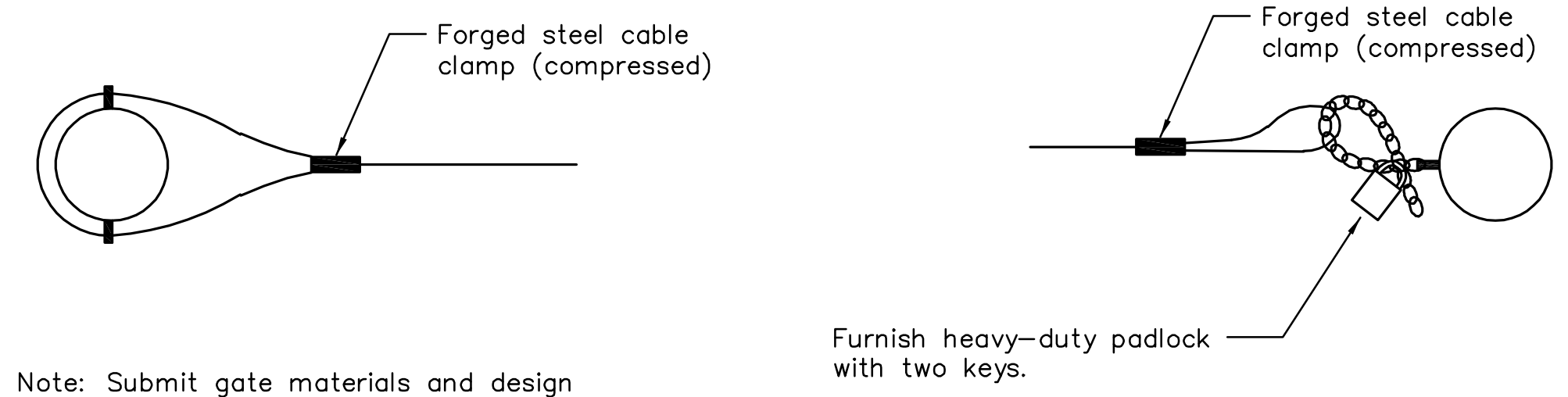
DESIGN BY: **JRA**
DRAWN BY: **TBK**
CHECKED BY: **JRA**

ISSUED: **October 9, 2012**
REVISED:

SHEET NO.
132 of 212

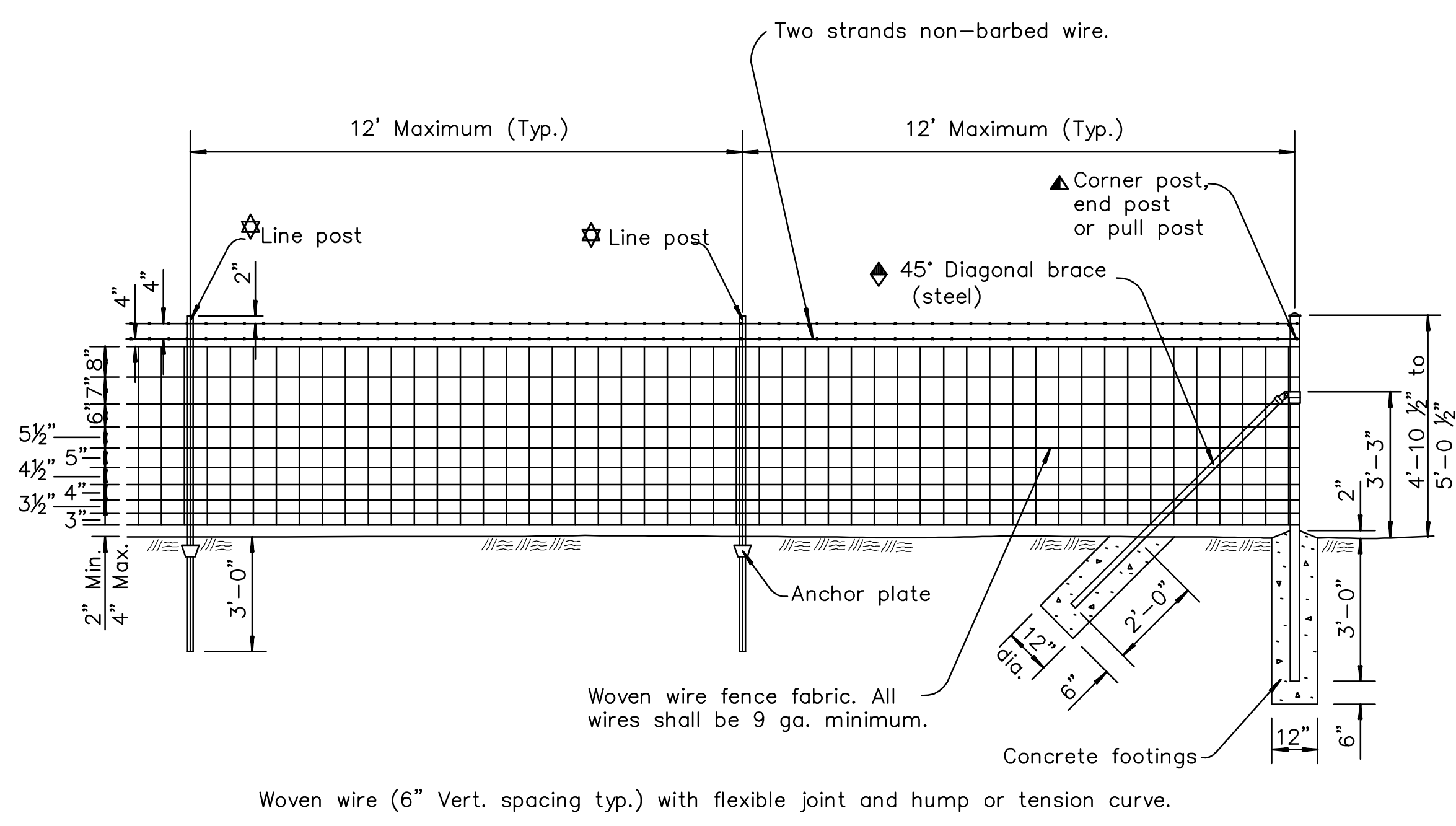


GATE POST ELEVATION
NOT TO SCALE



GATE POST PLAN
NOT TO SCALE

Note: Submit gate materials and design to City for approval prior to constructing of installing.



WOVEN WIRE FENCE
NOT TO SCALE

- (STEEL)
- Steel line post 8'-0" length
 - Studded T (1.33#/lin. ft.)
 - U (1.33#/lin. ft.)
 - H (2.27#/lin. ft.)
 - 1 3/4" Oval back | beam (2.43#/lin. ft.)
 - Brace
 - 1.660" O.D., 0.083" Th. (1.40#/lin. ft.) pipe (Group 1C) or
 - 1.660" O.D., 0.140" Th. (2.27#/lin. ft.) pipe (Group 1A) or
 - 1 3/4" Oval Back |-Beam (2.45#/lin. ft.) or
 - 1 5/8"x1 3/4" Brace rail (See Alt. Details)
 - End, corner, gate, or pull post 8'-0" length.
 - (A120) 2.875" O.D., 0.203" Th. (5.97#/lin. ft.) pipe (Group 1A) or
 - 2.875" O.D., 0.160" Th. (4.64#/lin. ft.) pipe (Group 1C) or
 - 2 1/4" Oval Back |-Beam (3.65#/lin. ft.) or
 - 3 1/2"x3 1/2" Type II (4.85#/lin. ft.)

PLOTTED: Thursday, October 11, 2012 @ 11:04AM

J:\Civil\09081\dwg\Details\FENCE DETAILS