

PIPE ACCESS GATE DETAIL - NORTH ELEVATION
NOT TO SCALE

NOTES:

1. All materials, equipment, and labor necessary for the installation of the Pipe Gate shall be Subsidiary to the bid item "Pipe Gate".
2. All threads to be peened after final assembly.
3. All material to be galvanized.
4. Concrete fill all 6 5/8" posts.

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.

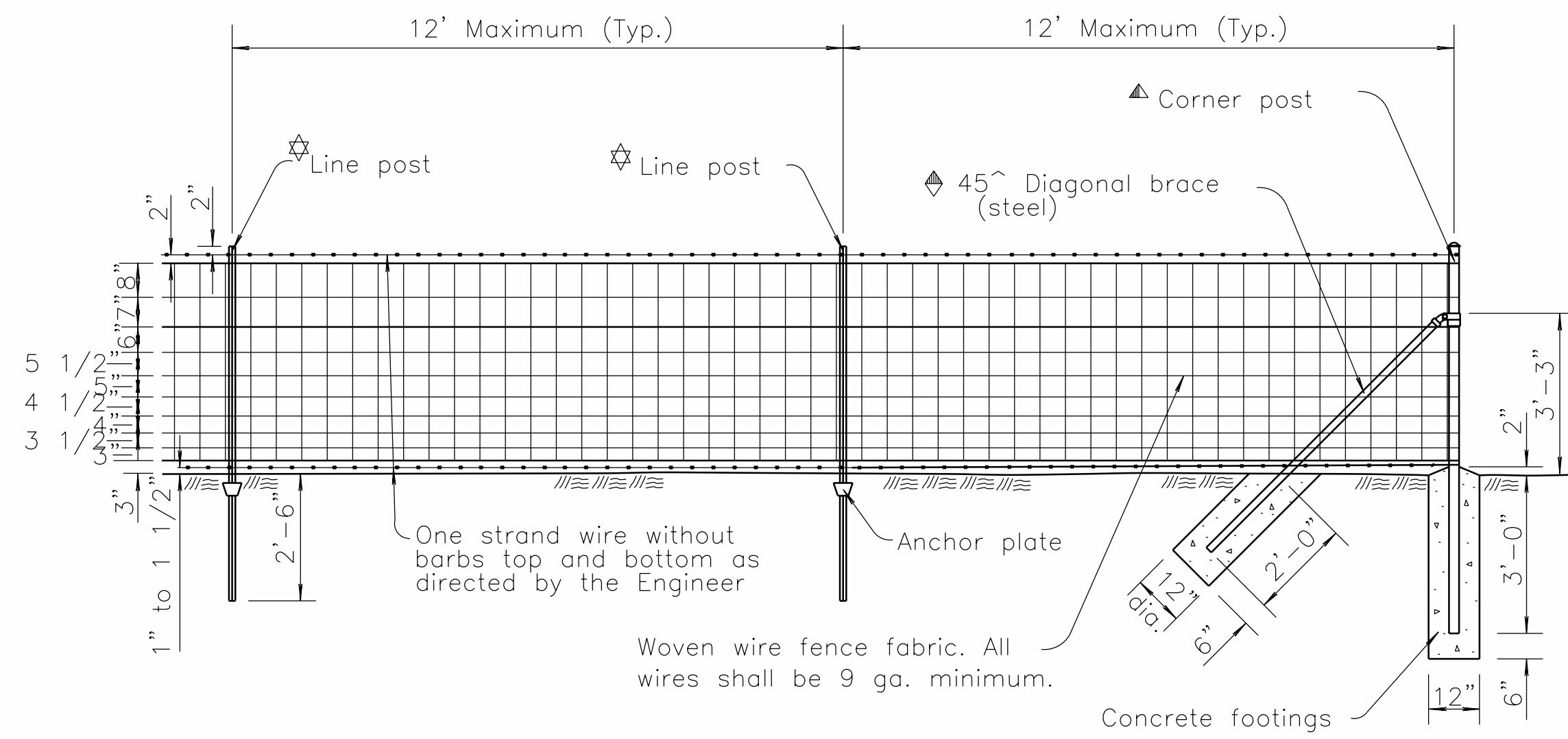
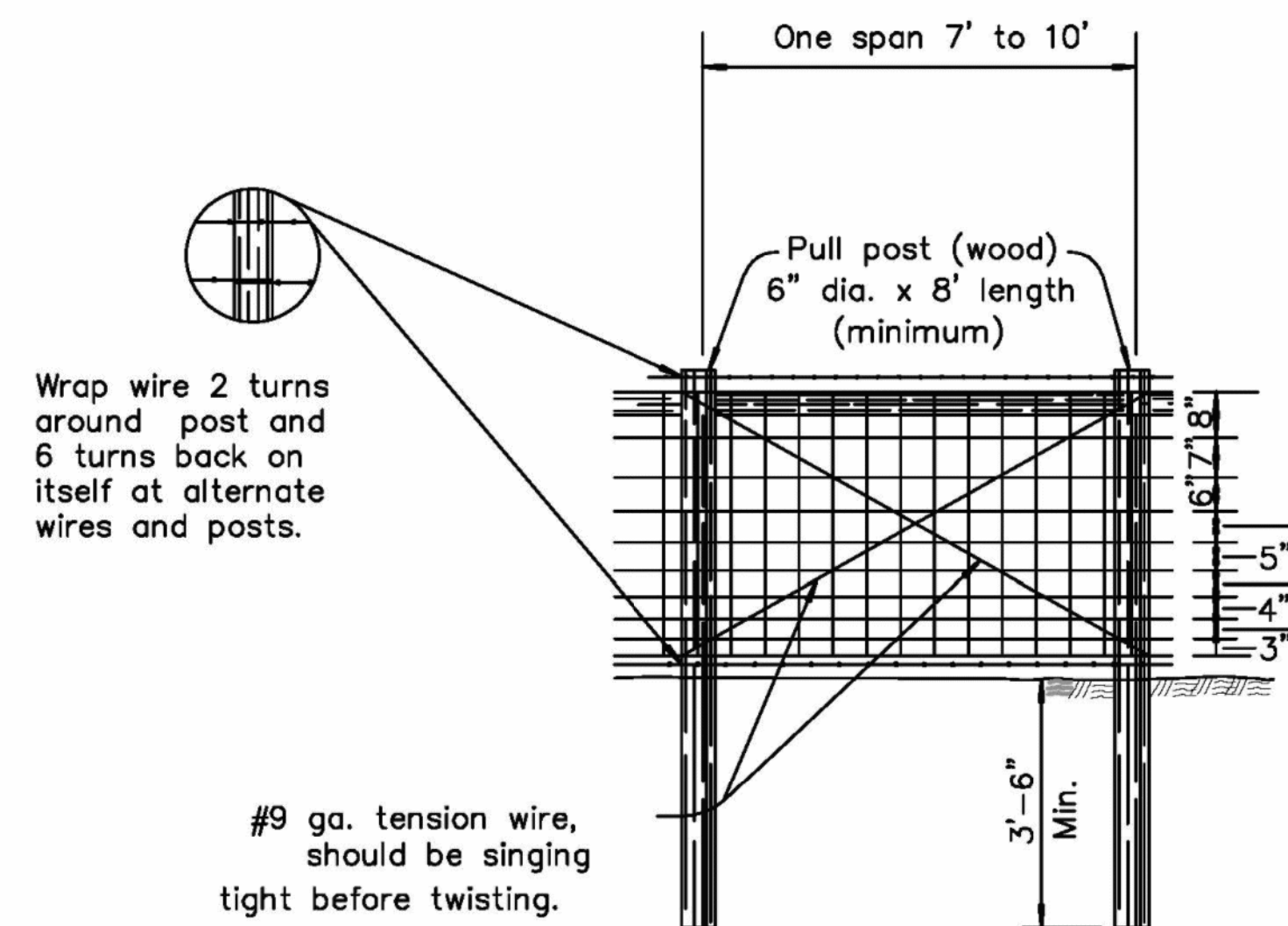
Minimum strength of tension wire shall be as provided in the Standard Specifications.

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.

Padlocks for gates shall be furnished by the City.



WOVEN WIRE TYPE B FENCE
NOT TO SCALE

- (STEEL)
- ☆ Steel line post 7'-0" length
Studded T (1.33#/lin. ft.)
U (1.33#/lin. ft.)
H (2.27#/lin. ft.)
 - ◆ 1 3/4" Oval back I-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 I-Beam (2.45#/lin. ft.) or
1 5/8"x1 3/4" Brace rail (See Alt. Details)
 - ▲ End, corner, gate, or pull post 7'-6" 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 I-Beam (3.65#/lin. ft.) or
3 1/2"x3 1/2" Type II (4.85#/lin. ft.)

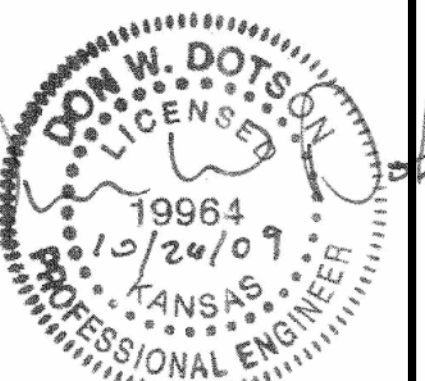
MARK	DESCRIPTION	DATE	APPR

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LEVEE FENCE
WICHITA-VALLEY CENTER LOCAL
FLOOD PROTECTION PROJECT
WICHITA, KANSAS

PREPARED FOR
THE CITY OF WICHITA, KANSAS
455 N. Main
Wichita, KS 67202



DESIGNED BY: Don W. Dotson, P.E.	DATE: 2008/Oct/28
DWN BY: Staff	CKD BY: DWD
APP BY: MG	
FILE NAME: 561500000-C-SP-214.dgn	
AMEC PROJ. NO. 5-6150-0000	