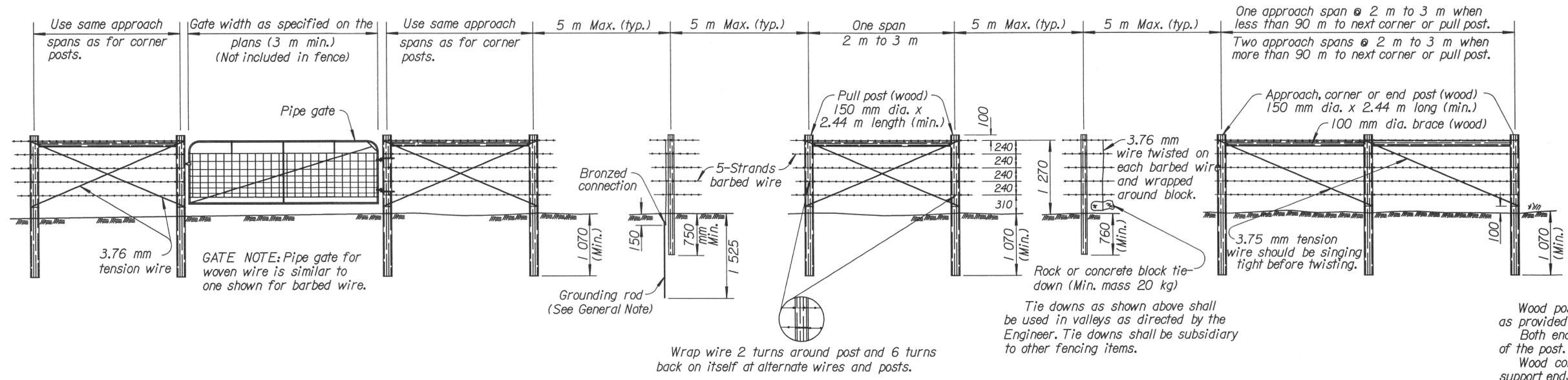
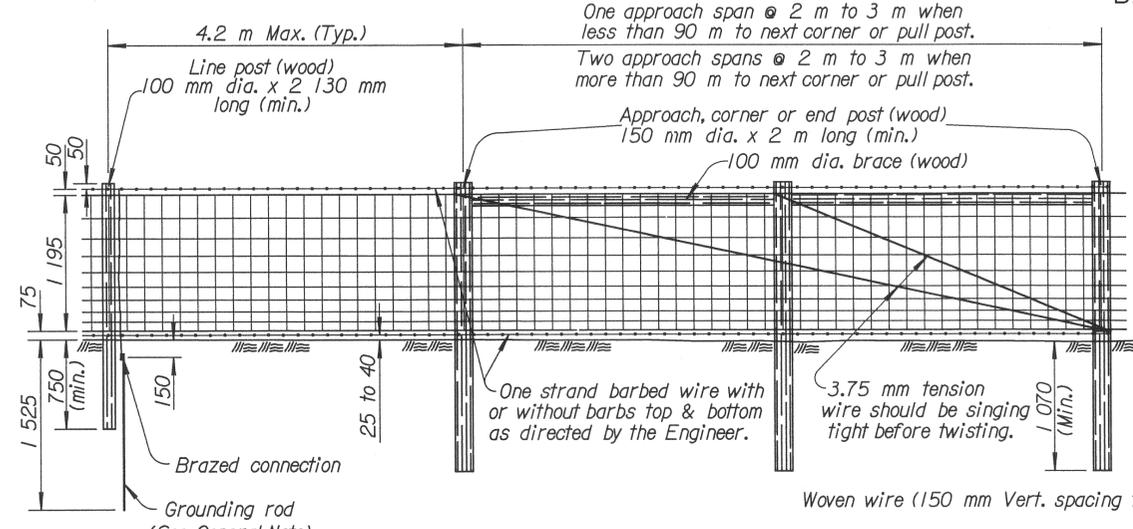


STATE	PROJECT NO.	YEAR	SHEET NO.	TOTAL SHEETS
KANSAS	52 U-1785-01	2003	38	143



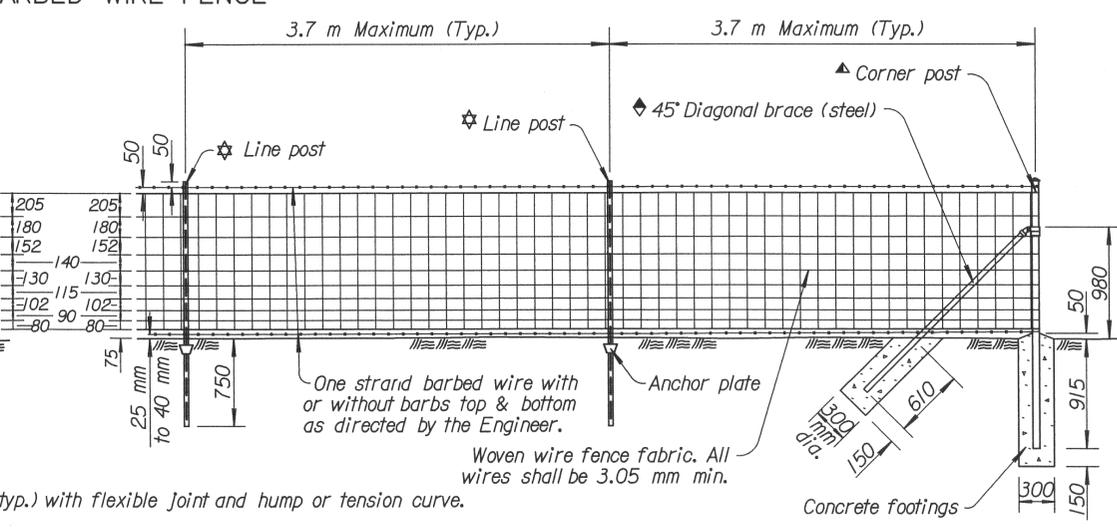
Wrap wire 2 turns around post and 6 turns back on itself at alternate wires and posts.

BARBED WIRE FENCE

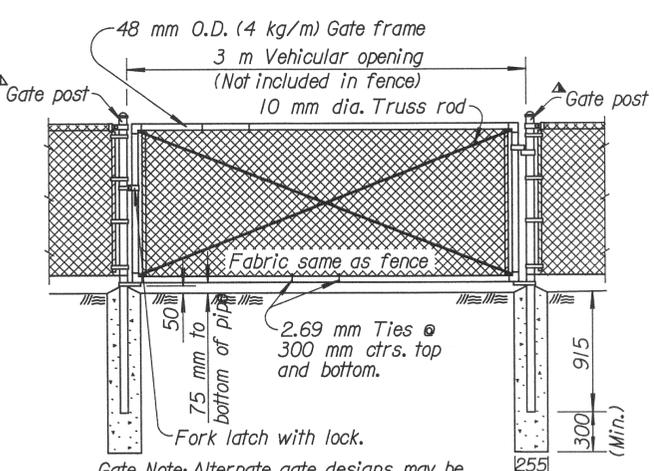


WOVEN WIRE TYPE A FENCE

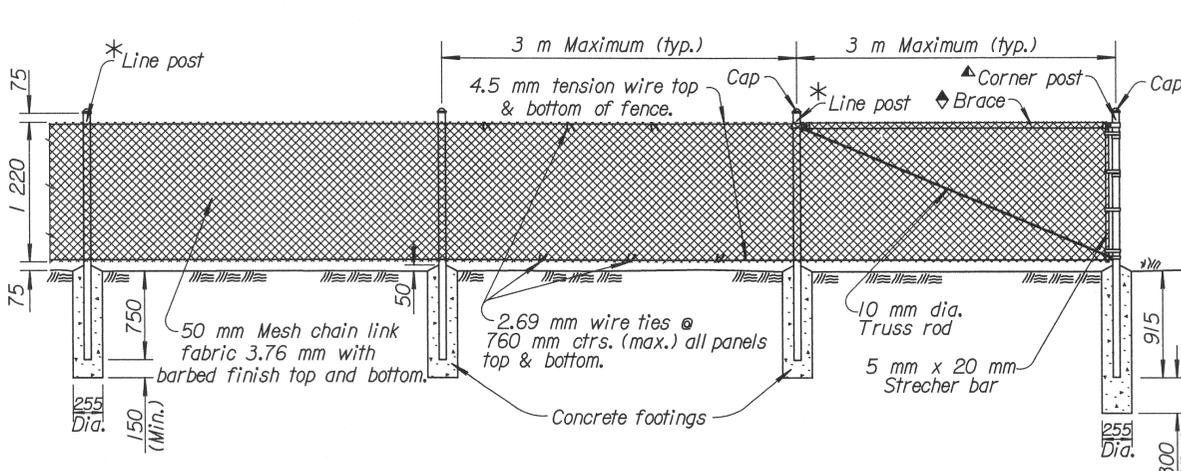
Pull post assembly for woven wire with wood posts shall be similar to barbed wire pull post assembly detail.



WOVEN WIRE TYPE B FENCE



DETAIL of GATE



CHAIN LINK FENCE

- (STEEL)
- Steel line post 2.13 m length
 - Studded T (1.98 kg/m)
 - U (1.98 kg/m)
 - H (3.38 kg/m)
 - 45 mm Oval back I beam (3.62 kg/m)
 - Brace
 - 42 mm O.D., 2 mm Th. (2.08 kg/m) pipe (Group I C) or
 - 42 mm O.D., 4 mm Th. (3.38 kg/m) pipe (Group I A) or
 - 45 mm Oval Back I-Beam (3.65 kg/m) or
 - 42 mm x 47 mm Brace rail (See Alt. Details)
 - * Line post 2.13 m length.
 - 60 mm O.D., 3.9 mm Th. (5.43 kg/m) pipe (Group I A) or
 - 60 mm O.D., 3.3 mm Th. (4.64 kg/m) pipe (Group I C) or
 - 45 mm Oval Back I-Beam (3.62 kg/m) or
 - 42 mm x 47 mm C Post (3.39 kg/m) or
 - H Post (3.87 kg/m)
 - ▲ End, corner, gate, or pull post 2.29 m length.
 - 73 mm O.D., 5 mm Th. (8.88 kg/m) pipe (Group I A) or
 - 73 mm O.D., 4 mm Th. (6.91 kg/m) pipe (Group I C) or
 - 57 mm Oval Back I-Beam (5.43 kg/m) or
 - 90 mm x 90 mm Type II (7.21 kg/m)

GENERAL NOTE

Wood posts and braces shall be given a preservative treatment as provided in the K.D.O.T. 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 2-75 mm 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 19 mm diameter galvanized or copper coated rod 1.525 m long, driven vertically until the top is 150 mm below the ground surface. A 14.1 mm solid copper conductor shall be securely fastened to each element of the fence by use of clamps or other suitable device. Grounding rods shall be installed at intervals of 50 m 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 in accordance with the KDOT Standard Specification. 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. Tolerances in mass shall be as shown in the K.D.O.T. Standard Specifications. 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 100 m centers (Woven & Chain link) or 400 m centers (Barbed wire) on straight runs or as directed by the Engineer. Concrete used in fence installation shall conform to the requirements of the K.D.O.T. Standard Specifications. Woven wire, chain link fabric, barbed wire and tension wire shall be either zinc coated (galvanized) or aluminum coated. Minimum strength of barbed wire and tension wire shall be as provided in the K.D.O.T. Standard Specifications. Use 3.76 mm galvanized staples 40 mm to 45 mm long, or 3.76 mm galvanized ring-shank staples 40 mm to 45 mm long. Alternate gate designs may be submitted for approval. Materials of lower mass will not be approved. Padlocks for gates shall be furnished by the State.

DATE	BY
9-01	M. Adams
11-01	R. Shegman
REFERENCES NOTED	
REFERENCES CHECKED	

Plotted: 4/6/2004
 Drawn By: r:stecman
 File: p:\0154\101541 rd525sl.dgn
 Section: \$\$\$KDOTGRP\$\$\$

NO.	DATE	REVISIONS	BY	APP'D
3	5-30-02	Removed KDOT ownership sign.	S.W.K.	J.O.B.
2	1-12-98	Rev. line post and end post listing	R.J.S.	J.O.B.
1	3-26-96	Rev. woven wire cor., end, & pull post	R.J.S.	J.O.B.

KANSAS DEPARTMENT OF TRANSPORTATION

**HIGHWAY FENCE
 BARBED, WOVEN, & CHAIN LINK**

RD525 SI

FHWA APPROVAL	8-7-02	APP'D: James O. Brewer
DESIGNED	DETAILED	TRACED
DESIGN CK.	DETAIL CK.	QUAN. CK.
		TRACE CK.