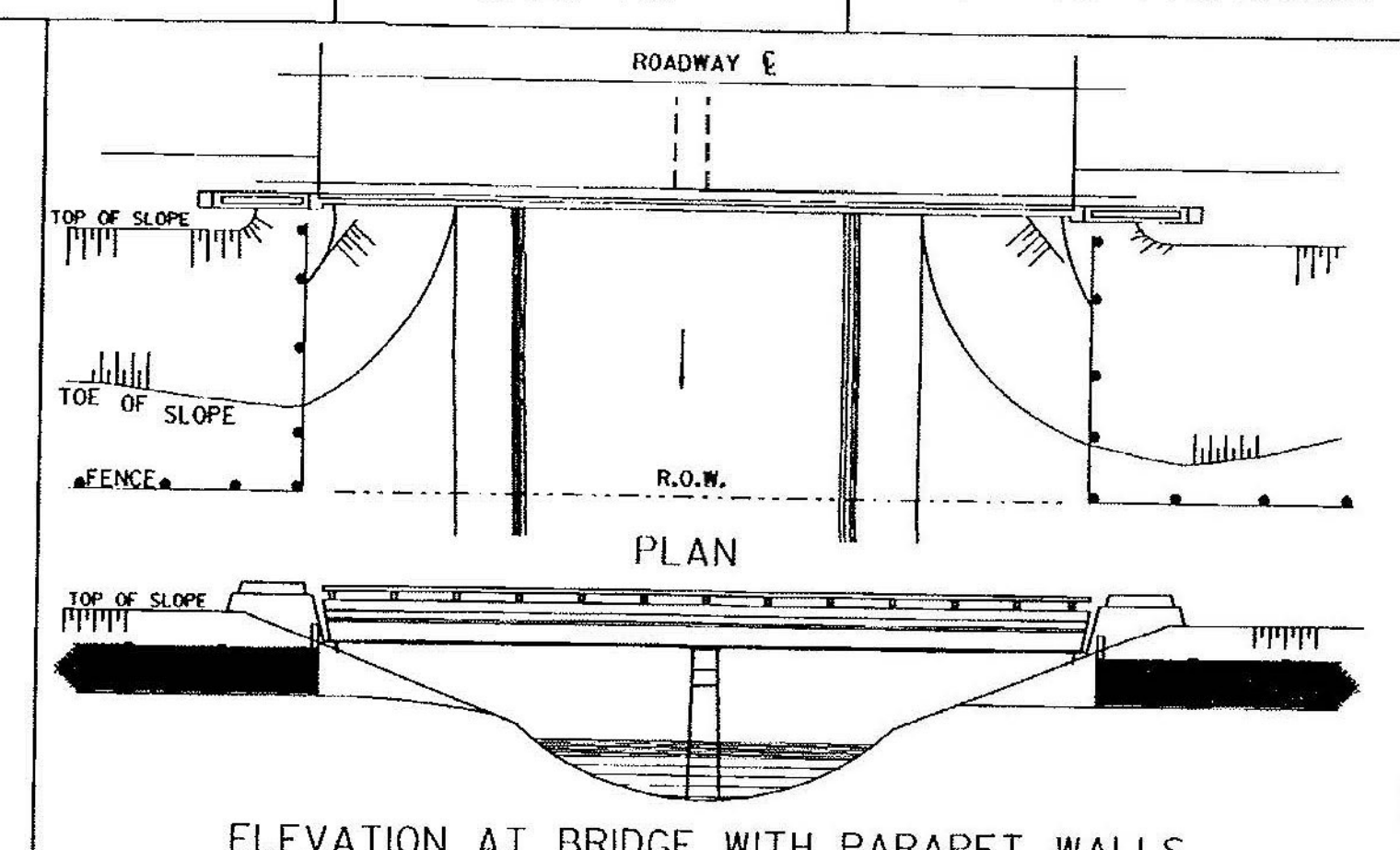
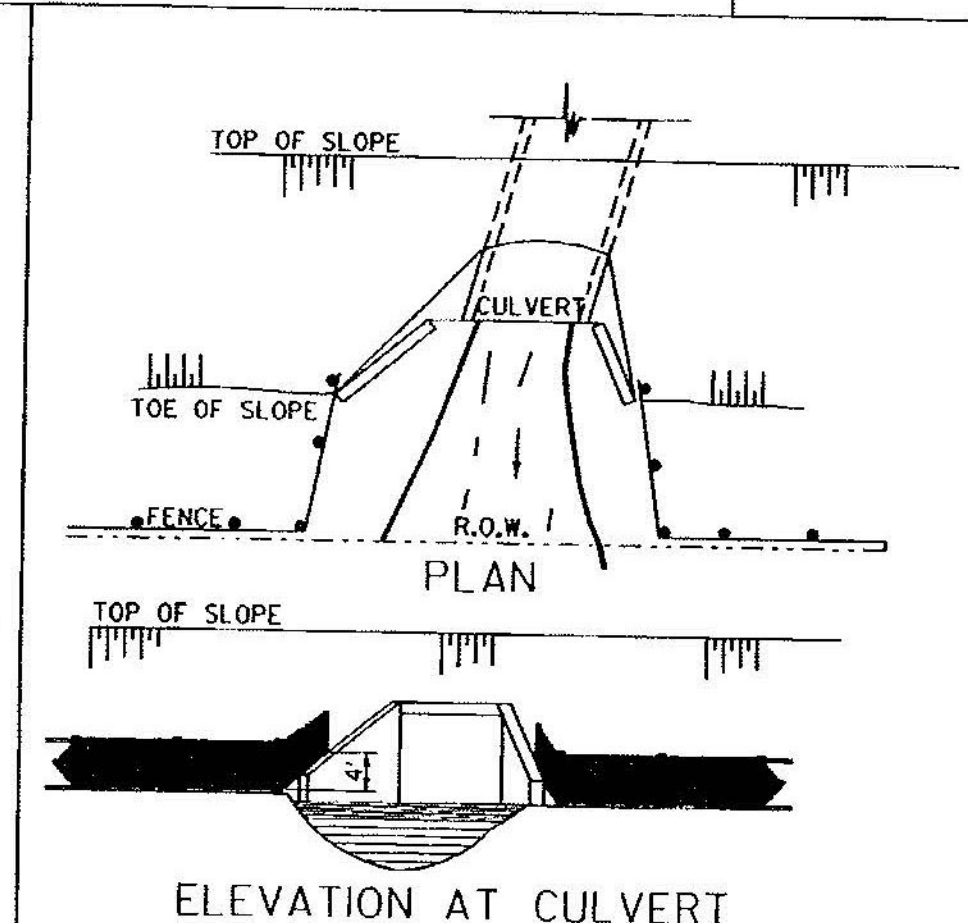
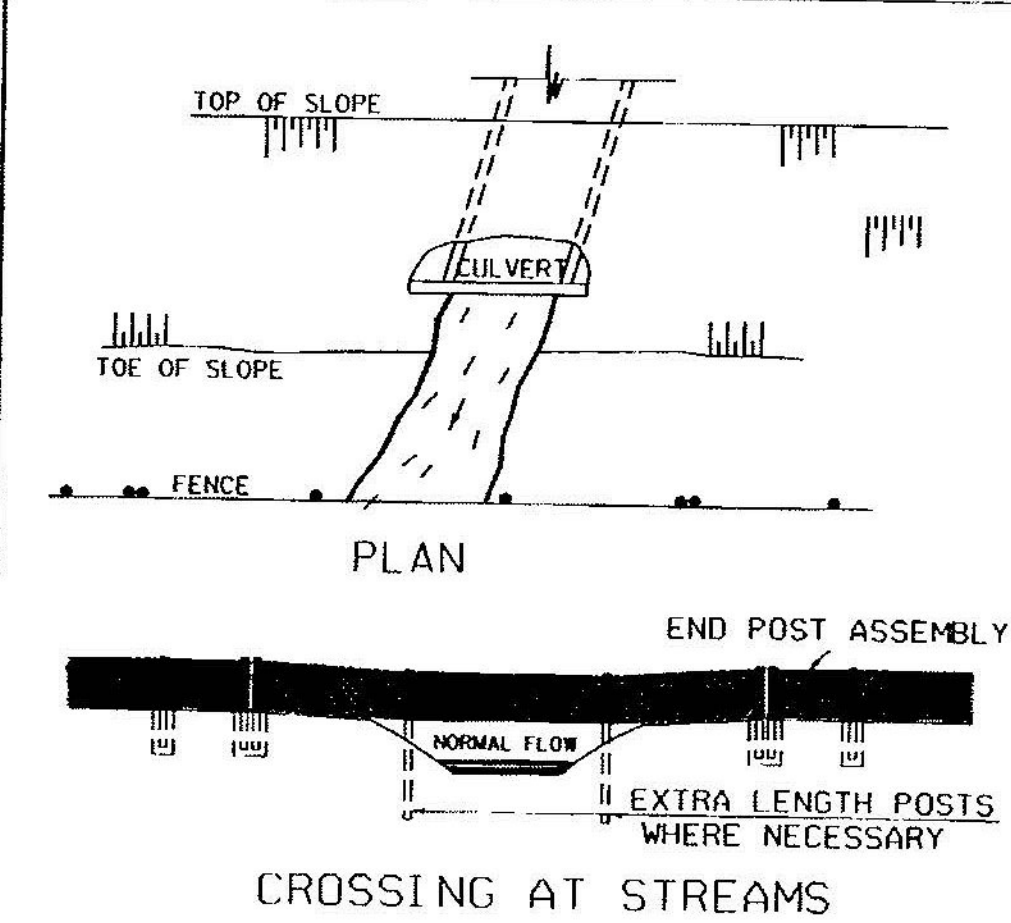
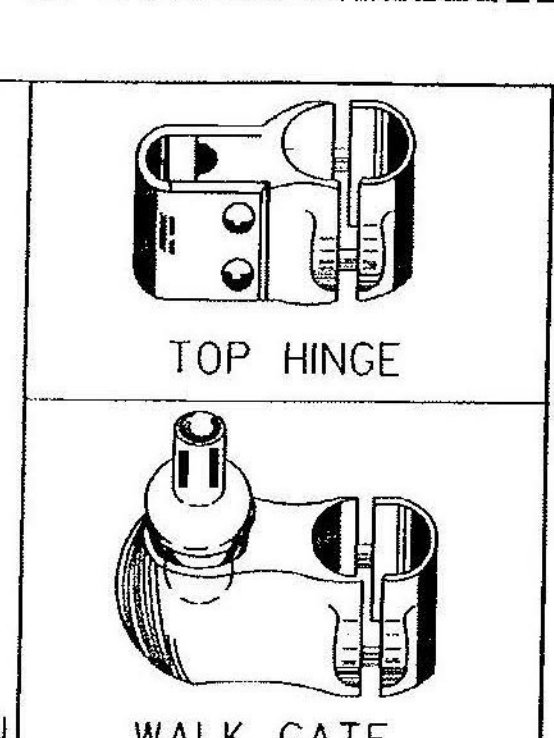
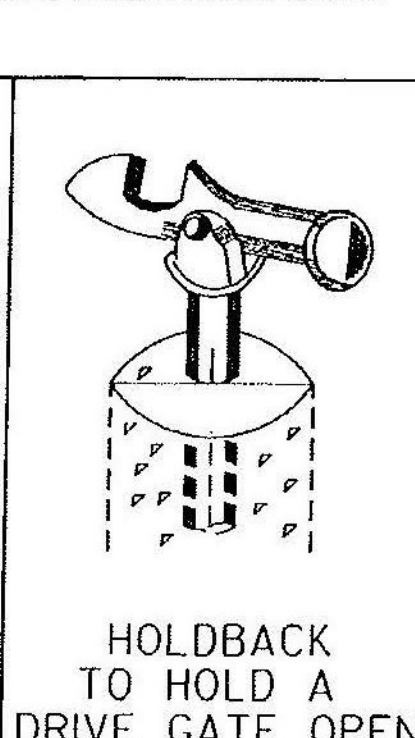
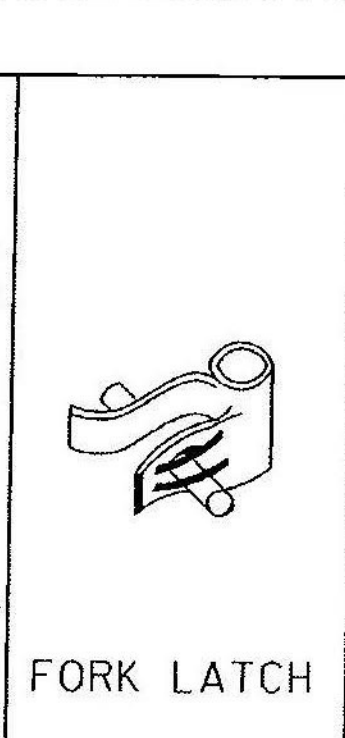
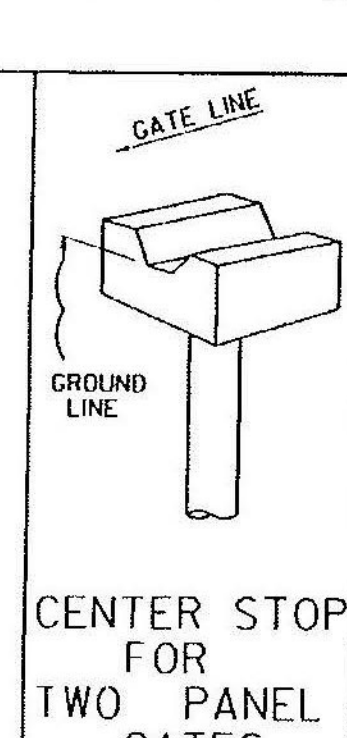
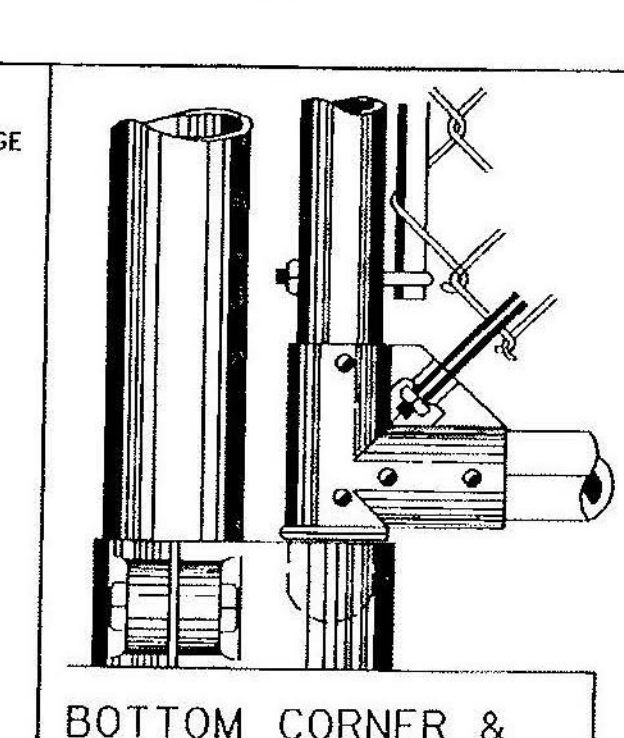
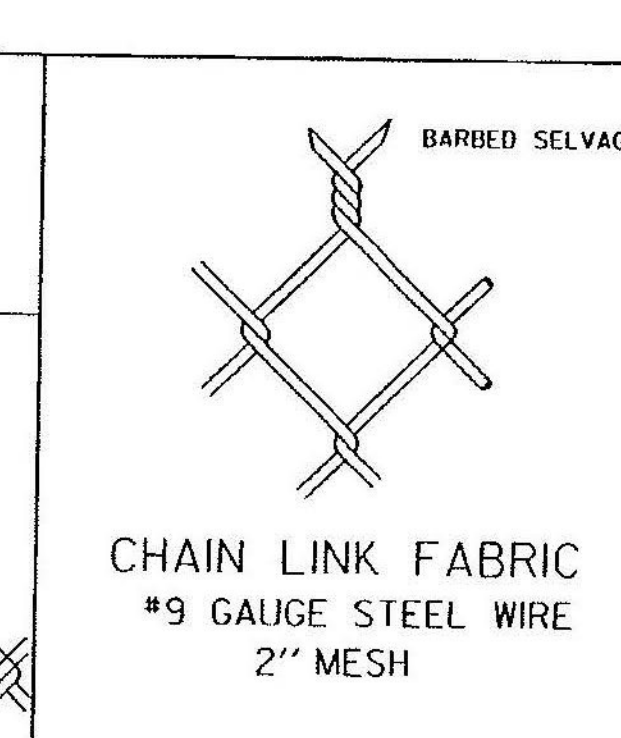
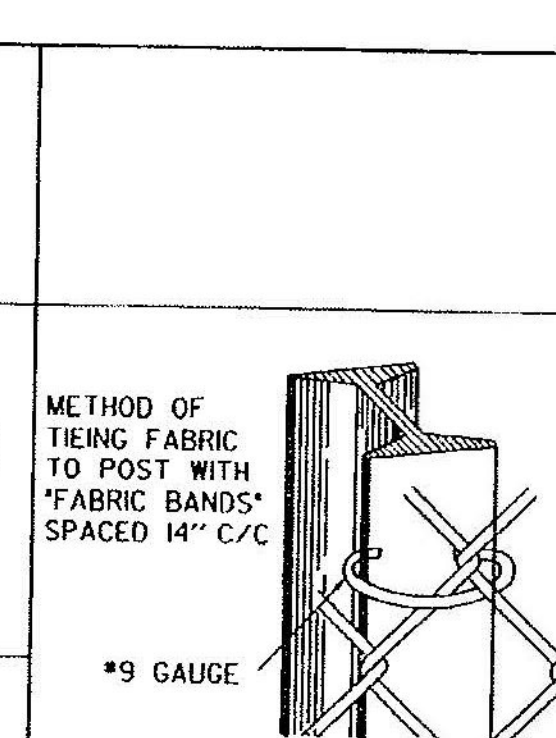
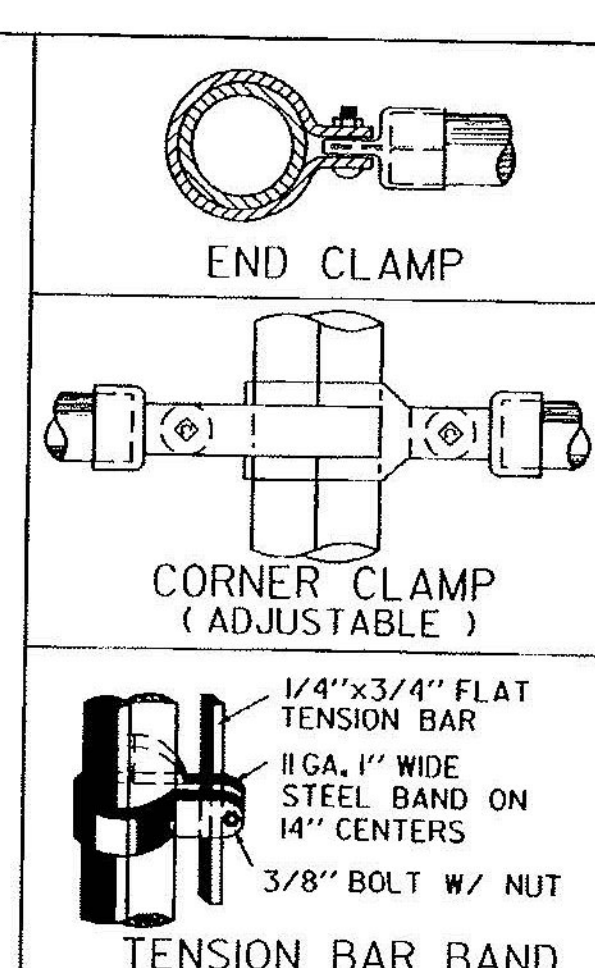


INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS

(A) 25'-0" OR TO 1.0' ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
 (B) MAXIMUM DISTANCE 1.0' (± 0.5")
 (C) MINIMUM DISTANCE 1.0' (± 1.0")
 (D) 2.0' (± 0.5")
 (E) MINIMUM DISTANCE 6.0

① CONNECTOR, } SUITABLE FOR WIRE GAUGES UTILIZED AND
 ② CONNECTOR, } FOR DISSIMILAR METALS
 ③ GROUND ROD CLAMP
 ④ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
 ⑤ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM



GENERAL NOTES (ZINC-COATED STEEL FABRIC, ALUMINUM COATED STEEL FABRIC, VINYL COATED FABRIC.)

FABRIC - CHAIN LINK, # 9 GAUGE WIRE, WOVEN IN A 2" MESH. TOP AND BOTTOM SELVAGES TO BE BARBED, THE BOTTOM SELVAGE TO BE 2" ABOVE THE GROUND LINE, THE TOP SELVAGE TO BE 1" ABOVE THE TENSION WIRE. WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.

LINE POSTS - 2" x 2 1/4" H COLUMN, WEIGHT 4 LBS. PER FOOT OR 2 3/8" O.D. PIPE, WEIGHT 3.65 LBS. PER FOOT OR APPROVED EQUAL FOR FENCE 6'-0" AND OVER IN HEIGHT. FOR FENCE LESS THAN 6'-0" IN HEIGHT, 1" COLUMNS WEIGHING 2.70 LBS. PER FOOT SHALL BE USED.

TERMINAL POSTS - END, CORNER, AND PULL POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHT 5.79 LBS. PER FOOT FOR FENCE 6'-0" AND OVER IN HEIGHT. FOR FENCE LESS THAN 6'-0" IN HEIGHT, 2 3/8" O.D. PIPE, WEIGHING 3.65 LBS. PER FOOT, SHALL BE USED.

POST SPACING - POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 10 FEET CENTER TO CENTER EXCEPT GATE POSTS, WHICH SHALL BE SPACED ACCORDING TO THE REQUIRED GATE OPENING.

POST FOOTINGS - ALL POSTS SHALL BE SET TO A DEPTH OF 2 FEET 10 INCHES IN A 10" DIAMETER CYLINDRICAL SHAPED HOLE 3'-6", FILLED WITH CONCRETE.

ALL FITTINGS AND HARDWARE SHALL BE SHOWN ON THIS SHEET OR EQUAL.

THE EXPOSED SURFACE OF ALL TOPS OF FOOTINGS TO BE SLOPED TO SHED WATER AND PROVIDE A NEAT APPEARANCE WHEN COMPLETED.

FABRIC TIES - FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES WITH # 9 GAUGE WIRE.

TRUSS RODS - SHALL BE 3/8" DIAMETER DIAGONAL BARS WITH TURNBUCKLE.

BRACE RODS - SHALL BE 1 1/2" O.D. PIPE.

TENSION BARS - SHALL BE FLAT 1/4" x 5/4" BARS WITH SQUARE EDGES.

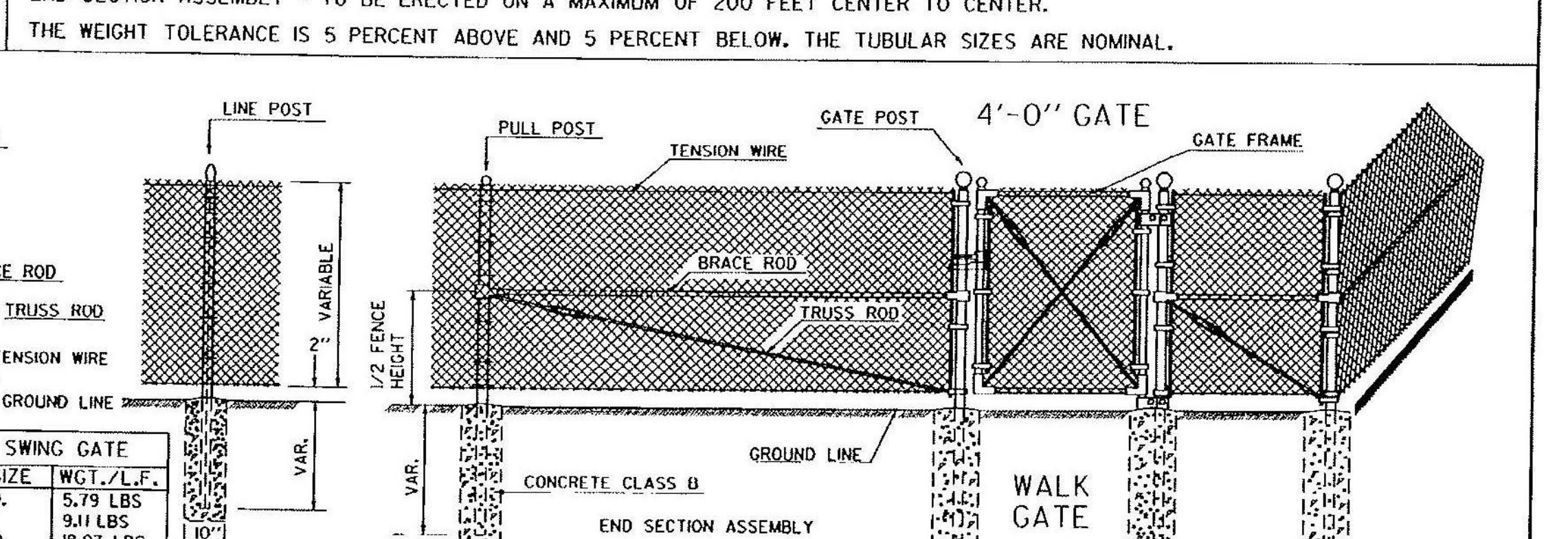
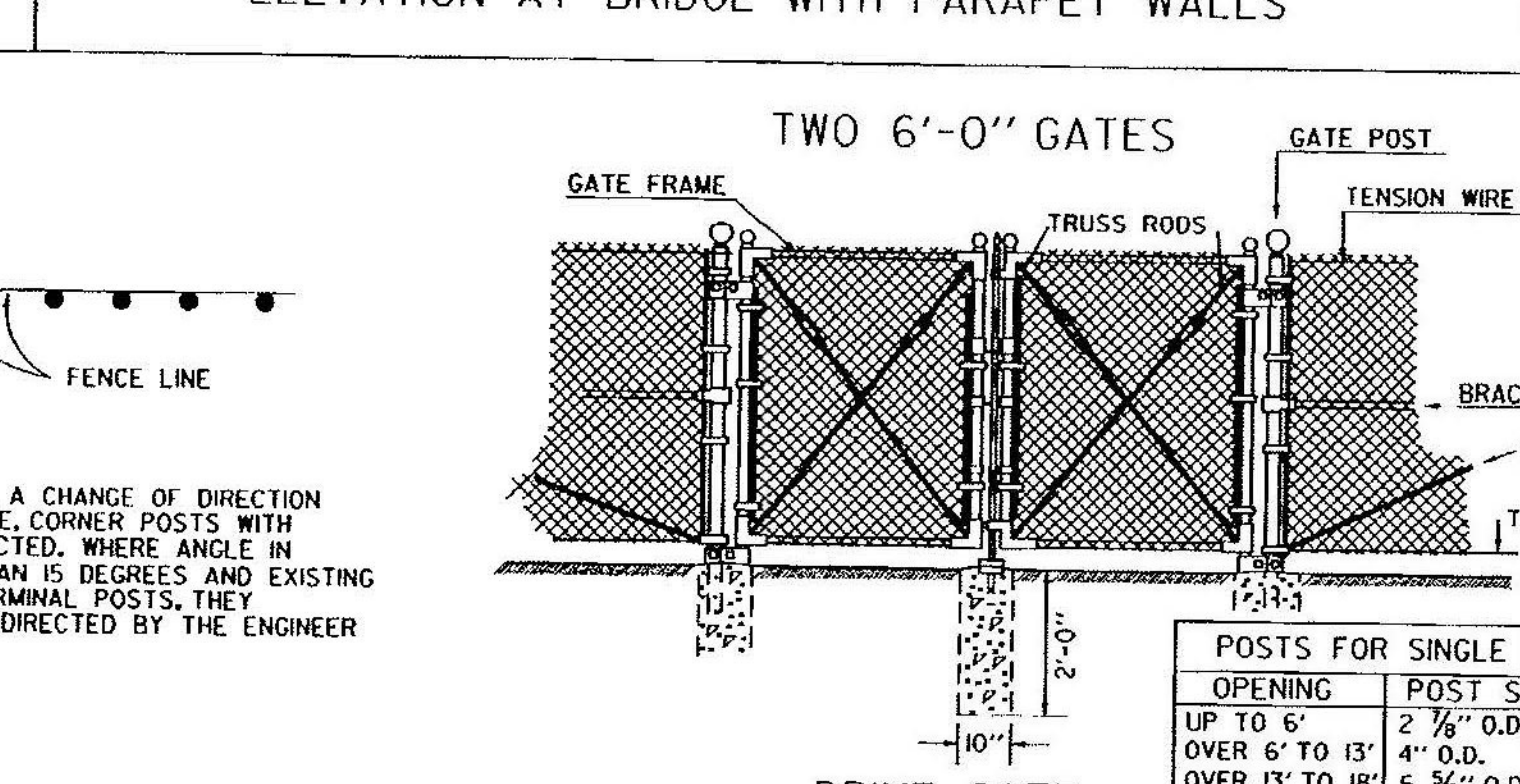
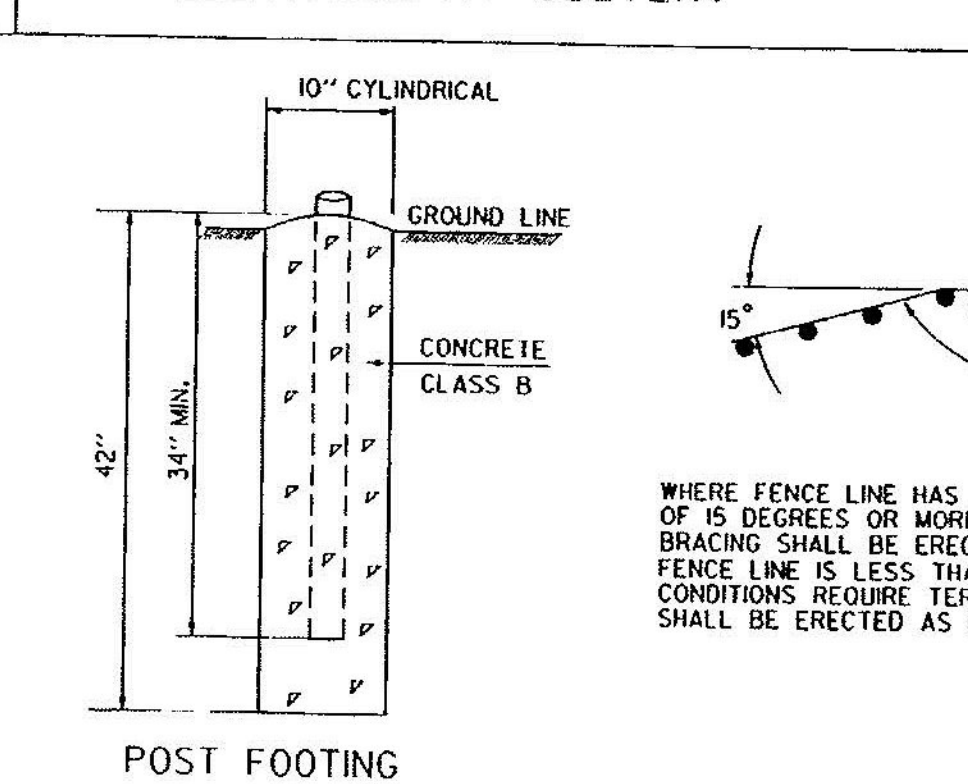
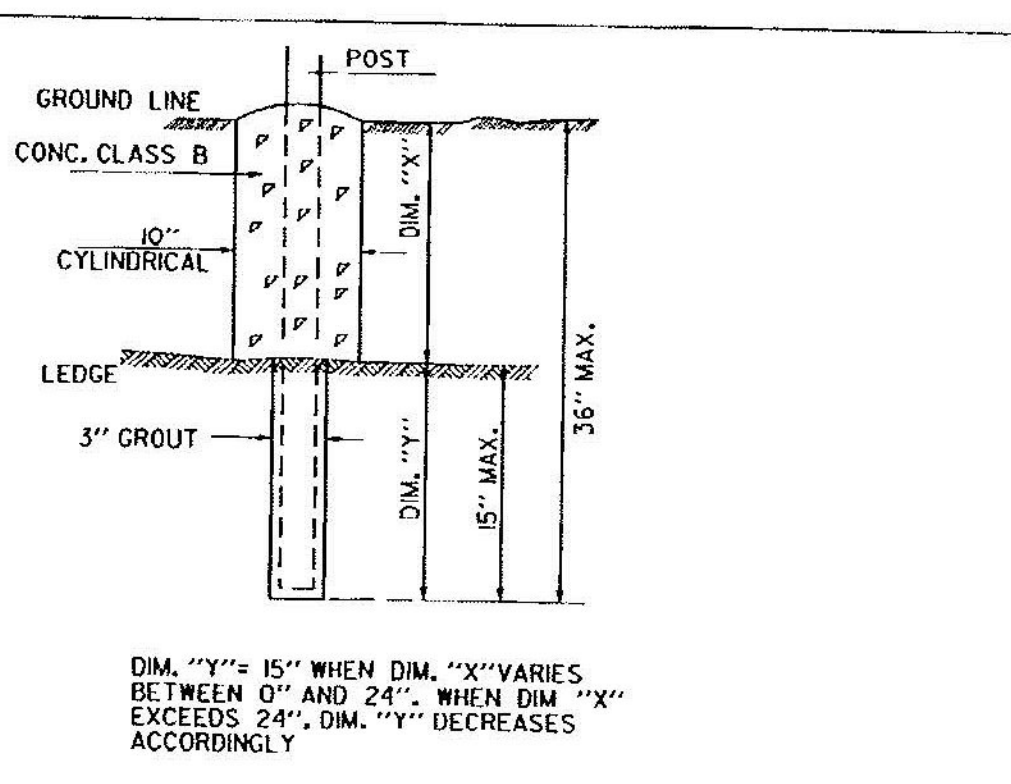
TENSION WIRE - SHALL BE # 9 GAUGE WIRE ATTACHED 1" BELOW TOP SELVAGE AND 2" ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF HOG RINGS ON 24" CENTERS.

GATES - GATE FRAMES SHALL BE 1.90" O.D. PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS OVER 6'-0".

GATE FRAMES SHALL BE 1.66" O.D. PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS 6'-0" AND LESS.

END SECTION ASSEMBLY - TO BE ERECTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER.

THE WEIGHT TOLERANCE IS 5 PERCENT ABOVE AND 5 PERCENT BELOW. THE TUBULAR SIZES ARE NOMINAL.



OPENING	POST SIZE	WGT./L.F.
UP TO 6'	2 7/8" O.D.	5.79 LBS
OVER 6' TO 13'	4" O.D.	9.11 LBS
OVER 13' TO 18'	6 3/8" O.D.	18.97 LBS
OVER 18'	8 3/8" O.D.	24.70 LBS

REVISIONS AND CORRECTIONS

DEC. 6, 1971- ORIGINAL APPROVAL DATE
 JULY 28, 1975- VINYL COATED FABRIC ADDED
 FEB. 1, 1979- CHANGE TOP RAIL TO TENSION WIRE
 JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION. FHWA FINAL APPROVAL PENDING.

Stephen D. White, P.E.
 DIRECTOR OF ENGINEERING

Robert M. Murphy, P.E.
 DESIGN ENGINEER

CHAIN LINK FENCE (TYPE 1)

DRIVE GATE FOR CHAIN-LINK FENCE (TYPE 1)

WALK GATE FOR CHAIN-LINK FENCE (TYPE 1)

