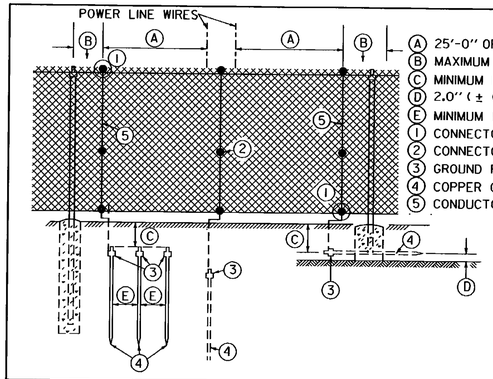
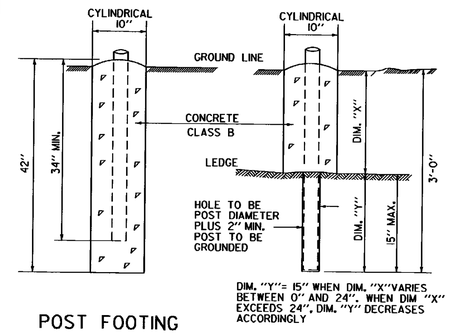
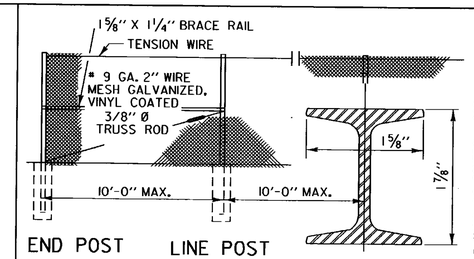


(A) 25'-0" OR TO 1.0' ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
(B) MAXIMUM DISTANCE 1.0 (± 0.5")
(C) MINIMUM DISTANCE 1.0 (± 0.5")
(D) 2.0" (± 0.5")
(E) MINIMUM DISTANCE 6.0
(1) CONNECTOR, (2) CONNECTOR, } SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
(3) GROUND ROD 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

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS

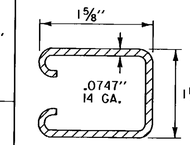


POST FOOTING

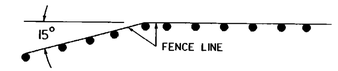


END POST LINE POST

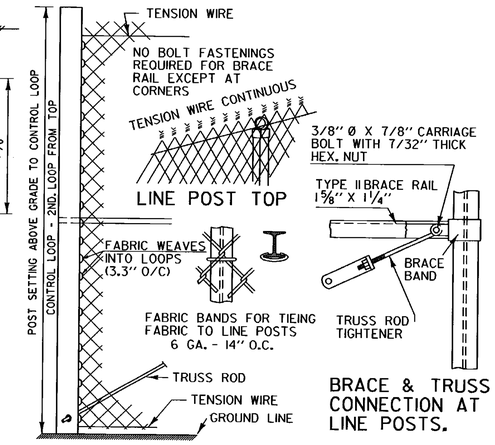
LINE POST (FULL SIZE SECTION)



BRACE RAIL

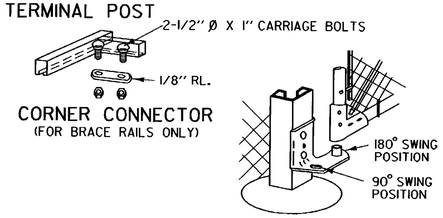


WHERE FENCE LINE HAS A CHANGE IN DIRECTION OF 15 DEGREES OR MORE, CORNER POSTS WITH BRACING SHALL BE ERECTED. WHERE ANGLE IN FENCE LINE IS LESS THAN 15 DEGREES AND EXISTING CONDITIONS REQUIRE TERMINAL OR CORNER POSTS, THEY SHALL BE ERECTED AS DIRECTED BY THE ENGINEER.



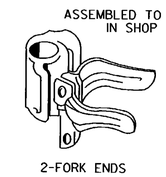
TERMINAL POST

BRACE & TRUSS CONNECTION AT LINE POSTS.



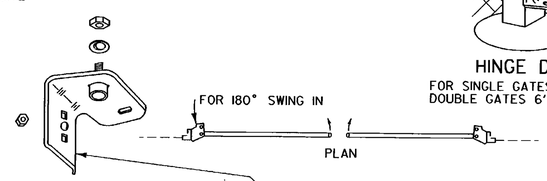
CORNER CONNECTOR (FOR BRACE RAILS ONLY)

HINGE DETAIL
FOR SINGLE GATES 3' TO 6' AND DOUBLE GATES 6' TO 12' INCL. ONLY

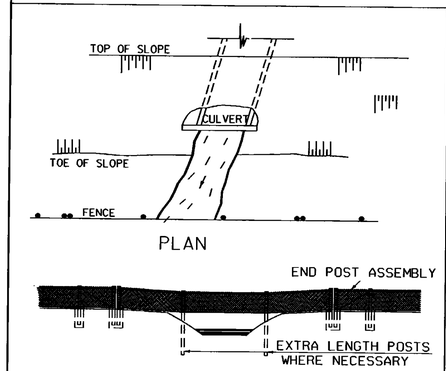


2-FORK ENDS

ASSEMBLED TO GATE IN SHOP

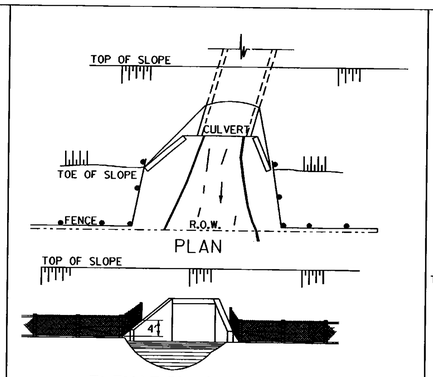


TOP HINGE



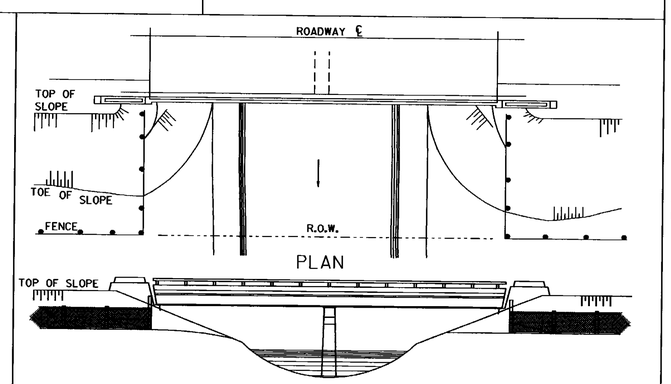
PLAN

CROSSING AT STREAMS



PLAN

ELEVATION AT CULVERT



PLAN

ELEVATION AT BRIDGE WITH PARAPET WALLS

GENERAL NOTES

HEIGHT - AS NOTED ON PLANS

FABRIC - CHAIN LINK, 2" MESH, # 9 GAUGE (0.148" DIAMETER) WIRE, TOP AND BOTTOM SELVAGES SHALL BE BARBED. BOTTOM SELVAGE SHALL BE 2" ABOVE THE GROUND LINE. TOP SELVAGE SHALL BE 1" ABOVE THE TENSION WIRE. WHERE FENCE IS 4' THE TOP EDGE SHALL BE KNUCKLED.

LINE POSTS - 1 7/8" x 1 5/8" "H" POSTS, 2.7 LBS/FT. FOR FENCE LESS THAN 6'-0" IN HEIGHT. 2" x 2 1/4" "H" POSTS, 4.1 LBS/FT. FOR FENCE 6'-0" AND OVER.

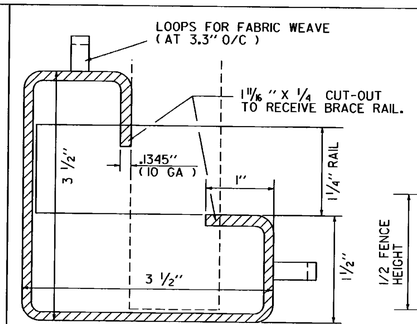
TERMINAL POSTS - SEE DRAWINGS.

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.

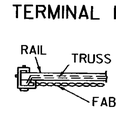
POST FOOTINGS - ALL POSTS SHALL BE SET TO A DEPTH OF TWO (2) FEET 10 INCHES IN A 10" CYLINDRICAL SHAPED HOLE 3'-6" DEEP FILLED WITH CONCRETE. ALL FITTINGS AND HARDWARE SHALL BE AS SHOWN ON THIS SHEET OR EQUAL.

TENSION WIRE - SHALL BE 9 GAUGE WIRE ATTACHED 1" BELOW TOP SELVAGE AND 2" ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF 11 GAUGE HOG RINGS ON 24" CENTERS.

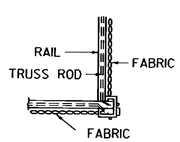
GATE FRAMES - SHALL BE 1.90" O.D. PIPE CONNECTED WITH FITTINGS AND RIVETED AT EACH CORNER. EACH FRAME HAS 3/8" DIAMETER ADJUSTABLE TRUSS RODS. GATES HAVE POSITIVE TYPE LATCHING DEVICES WITH PROVISIONS FOR PADLOCKING; AND DRIVE GATES HAVE A CENTER PLUNGER ROD, CATCH AND SEMI-AUTOMATIC OUTER CATCHES.



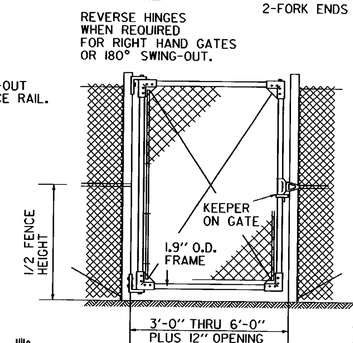
TERMINAL POSTS



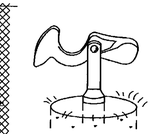
PLAN AT END POSTS (SIMILAR AT GATE POSTS)



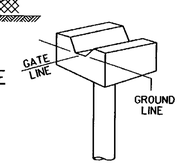
PLAN AT OUTSIDE CORNER



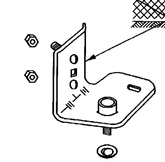
TYPICAL SINGLE GATE (ELEVATION FROM OUTSIDE LEFT HAND GATE SHOWN)



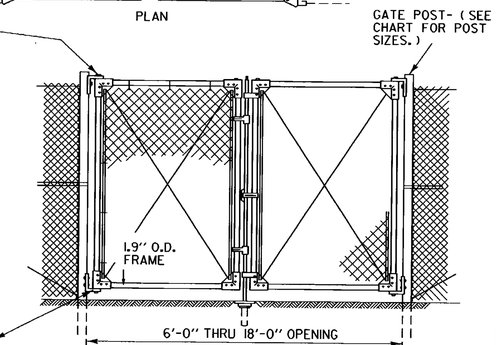
DETAIL SHOWING TYPICAL GATE HOLDBACK SET IN CONCRETE



CENTER STOP FOR TWO PANEL GATES



BOTTOM HINGE (USE 1 BOLT & NUT)



TYPICAL DOUBLE GATE (ELEVATION FROM OUTSIDE)

POSTS FOR SINGLE SWING GATE		
OPENING	POST SIZE	WGT./L.F.
UP TO 6'	3 1/2" X 3 1/2" *	5.14 LBS.
OVER 6' TO 13'	4 O.D.	9.11 LBS
OVER 13' TO 18'	6 5/8" O.D.	18.97 LBS
OVER 18'	8 5/8" O.D.	24.70 LBS.

* ROLL FORMED SECTION

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
MARCH 19, 1979- TORQUE ARM DETAILS REMOVED
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

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

Gordon R. MacArthur, P.E.
DIRECTOR OF ENGINEERING

Robert M. Murphy, P.E.
DESIGN ENGINEER

CHAIN LINK FENCE, TYPE II
DRIVE GATE FOR CHAIN-LINK FENCE, TYPE II
WALK GATE FOR CHAIN-LINK FENCE, TYPE II

VERMONT AGENCY OF TRANSPORTATION

STANDARD
F-4