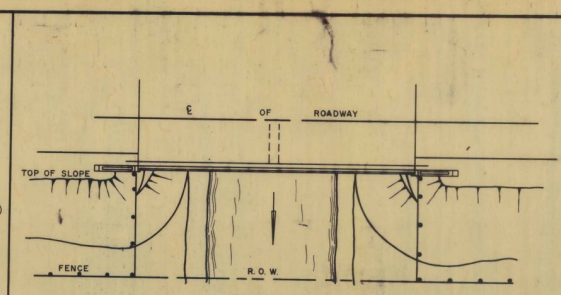
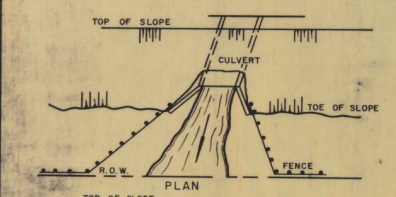


- ① 25'-0" OR TO 1.0 ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- ② MAXIMUM DISTANCE 1.0' (± 0.5')
- ③ MINIMUM DISTANCE 1.0' (± 1.0')
- ④ 2.0' (± 0.5')
- ⑤ MINIMUM DISTANCE 6.0'
- ⑥ CONNECTOR, SIMILAR TO "PENN UNION" SW, OR GXA
- ⑦ CONNECTOR, SIMILAR TO "PENN UNION" GXA
- ⑧ GROUND ROD CLAMP, SIMILAR TO "PENN UNION GRB OR GP
- ⑨ COPPER CLAD GROUND ROD 5/8" X 8'-0" "COPPER WELD" OR EQUIVALENT
- ⑩ CONDUCTOR, NO. 6 AWG COPPER, SOFT DRAWN OR NO. 4 AWG ALUMINUM.

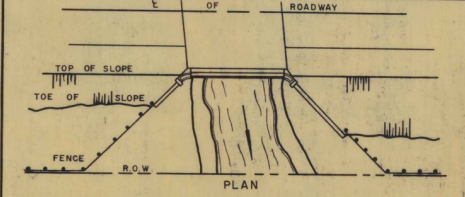
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



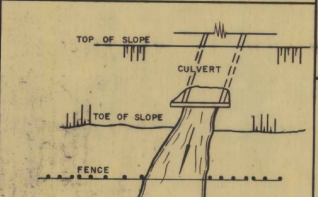
ELEVATION (BRIDGE WITH PARAPET WALLS)



ELEVATION (AT CULVERT)



ELEVATION (BRIDGE WITH WING WALLS)



ELEVATION (CROSSING AT STREAMS)

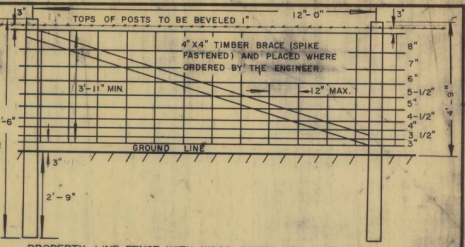
GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 10 HORIZONTAL BARS. TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 12" APART AND NOT LESS THAN NO. 11 GAUGE.

ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SECTION 942.02-B EXCEPTING WESTERN RED CEDAR.

ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.

WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER ITEM 583-B.

POSTS TO HAVE A MINIMUM OF 4-1/2" DIA.



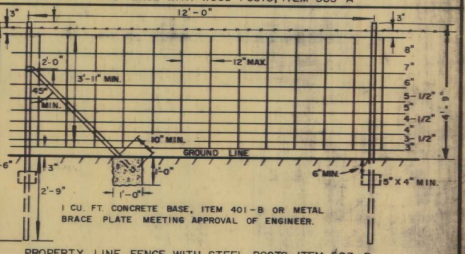
PROPERTY LINE FENCE WITH WOOD POSTS, ITEM 583-A

GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 10 HORIZONTAL BARS. TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 12" APART, AND NOT LESS THAN NO. 11 GAUGE.

STEEL LINE POSTS OF A STANDARD COMMERCIAL TYPE AS PER SECTION 583.02-C.

ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE 2 BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.

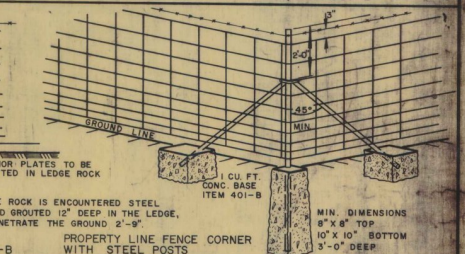
LINE POSTS TO HAVE ANCHOR PLATES.



PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-B

CONCRETE BASE, ITEM 401-B OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER.

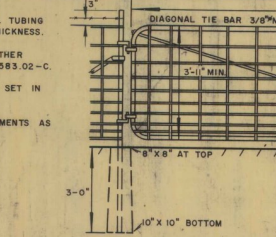
CONCRETE, ITEM 401-B TO BE INCLUDED IN BID PRICE FOR ITEM 583-A OR B.



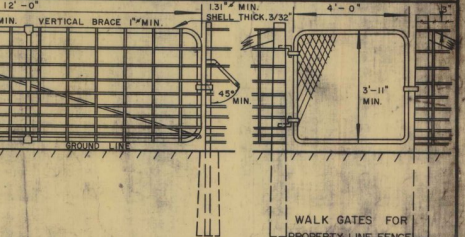
PROPERTY LINE FENCE CORNER WITH STEEL POSTS

IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED STEEL POSTS WILL BE SET AND BROUGHT 12" DEEP IN THE LEDGE, UNLESS THE POSTS PENETRATE THE GROUND 2'-9".

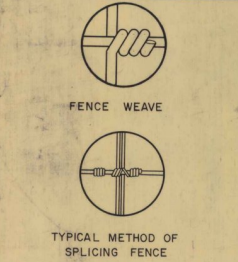
ITEMS 583-A AND 583-B



GATES FOR PROPERTY LINE FENCE, ITEM 583-C

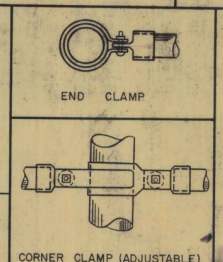


WALK GATES FOR PROPERTY LINE FENCE, ITEM 583-D



SPECIFICATIONS FOR STEEL POSTS
 INTERMEDIATE OR LINE POSTS
 QUADRUPLED RIBBED TEE POSTS - MIN. WEIGHT 1.32 LBS. PER L.F.
 CHANNEL OR U POSTS MIN. WEIGHT 1.12 LBS. PER L.F.
 STANDARD TEE POSTS MIN. WEIGHT 1.22 LBS. PER L.F.
 TUBULAR POSTS - MIN. O.D. 1-3/4"; MIN. GAUGE NO. 16 MUST HAVE SUITABLE CAP AT TOP OF POST.
 ANGLE POSTS - MIN. SECTION 2" X 2" X 1/4"
 END POSTS, CORNER POSTS, PULL POSTS AND BRACES
 TUBULAR POSTS AND BRACES - MIN. O.D. 2-1/2"; MIN. GAUGE NO. 8. STANDARD PIPE SECTION POST AND BRACES - MIN. WEIGHT 3.65 LBS. PER L.F. MUST HAVE SUITABLE CAP AT TOP OF POST.
 ANGLE POST AND BRACE - MIN. SECTION FOR POST 2-1/2" X 2-1/2" X 1/4" BRACE MIN. SECTION 2" X 2" X 1/4"

SPECIFICATIONS FOR BARBED WIRE
 ONE STRAND OF BARBED WIRE SHALL BE PLACED 3" ABOVE FENCE FABRIC AND SHALL BE STANDARD GALVANIZED BARBED WIRE OF 2 STRANDS OF NO. 12 1/2 GAUGE ANNEALED STEEL WIRE WITH FOUR POINT BARBS OF NO. 14 GAUGE, WIRE WRAPPED TWICE AROUND ONE OF THE MAIN STRANDS, AT 5" INTERVALS.



FRAMES FOR GATES SHALL BE MADE FROM STEEL TUBING NOT LESS THAN 1.31" O.D. WITH 3/32" SHELL THICKNESS.

STEEL POSTS, BRACES, ANCHORS, PLATES AND OTHER DEVICES SHALL BE ZINC COATED AS PER SEC. 583.02-C.

ALL END, CORNER AND STEEL POSTS SHALL BE SET IN CONCRETE CLASS "B", ITEM 401-B.

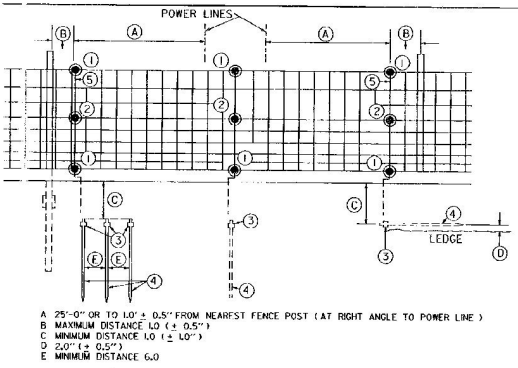
WIRE FOR GATES SHALL CONFORM TO REQUIREMENTS AS PER SECTION 583.02-A.

REVISIONS AND CORRECTIONS
 BARBED WIRE AND SPECIFICATIONS NOTE ADDED, AND LENGTH OF POSTS CHANGED, MAY 27, 1964.

APPROVED DATE NOV. 4, 1958
 Chief Engineer: *H.B. Langford*
 Highway Engineer: *A.M. Lane*
 Construction Engineer: *H. H. ...*

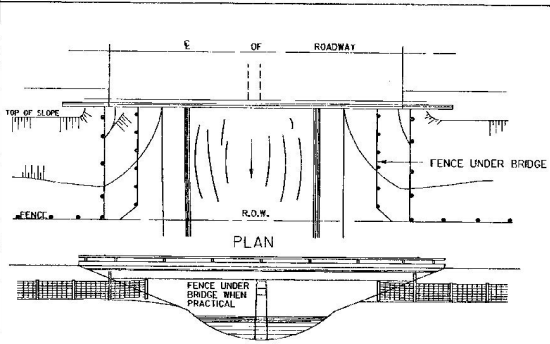
PROPERTY LINE FENCE, ITEM 583

VERMONT DEPARTMENT OF HIGHWAYS STANDARD F-1

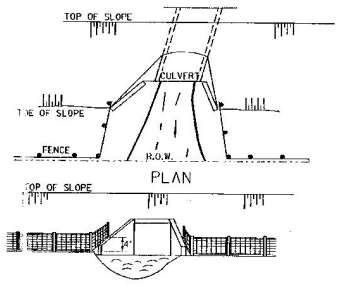


- A 25'-0" OR TO 10' ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
 B MAXIMUM DISTANCE L0 (± 0.5")
 C MINIMUM DISTANCE L0 (± 10")
 D 20" (± 0.5")
 E MINIMUM DISTANCE G.O.
- 1 CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
 2 CONNECTOR, FOR DISSIMILAR METALS
 3 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

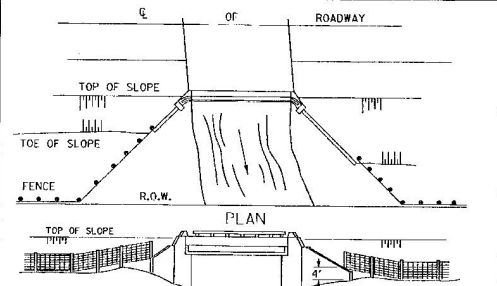
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSING



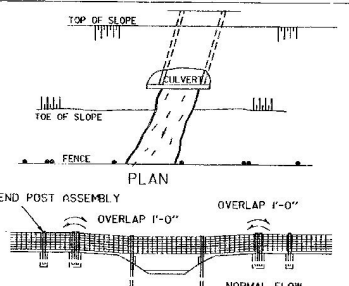
ELEVATION (BRIDGE WITH PARAPET WALLS)



ELEVATION (AT CULVERT)



ELEVATION (BRIDGE WITH WING WALLS)



CROSSING AT STREAMS

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.

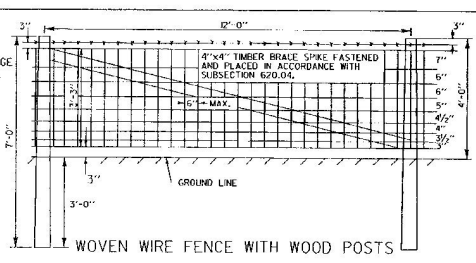
TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART AND NOT LESS THAN NO. 11 GAUGE.

ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SUB-SECTION 726.01 EXCEPTING WESTERN RED CEDAR.

ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR FULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.

WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER SUBSECTION 620.04.

POSTS TO HAVE A MINIMUM OF 4 1/2" DIAMETER.



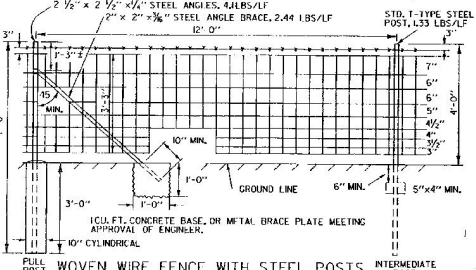
WOVEN WIRE FENCE WITH WOOD POSTS

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.

TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART AND NOT LESS THAN NO. 11 GAUGE.

ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR FULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.

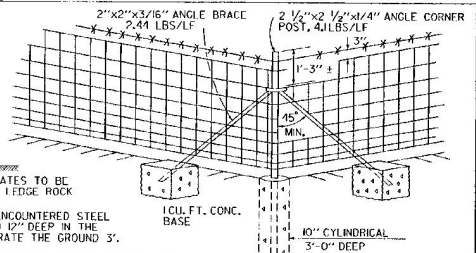
LINE POSTS TO HAVE ANCHOR PLATES, CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



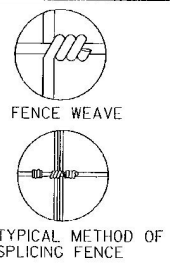
WOVEN WIRE FENCE WITH STEEL POSTS

CONCRETE BASE OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER.

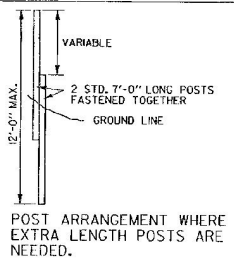
CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



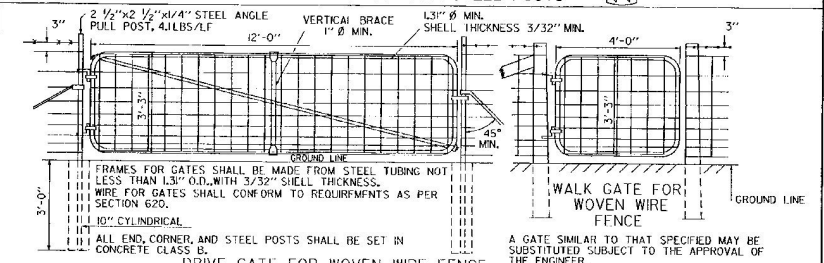
WOVEN WIRE FENCE CORNER WITH STEEL POSTS



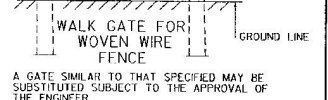
FENCE WEAVE
 TYPICAL METHOD OF SPLICING FENCE



POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED.



DRIVE GATE FOR WOVEN WIRE FENCE



WALK GATE FOR WOVEN WIRE FENCE

REVISIONS AND CORRECTIONS
 DEC. 8, 1974 - ORIGINAL APPROVAL DATE
 JUL. 7, 21, 1976 - GATE SUBSTITUTION NOTE ADDED
 DEC. 10, 1976 - DIMENSIONS FOR STEEL POSTS AND BRACES ADDED
 JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED

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

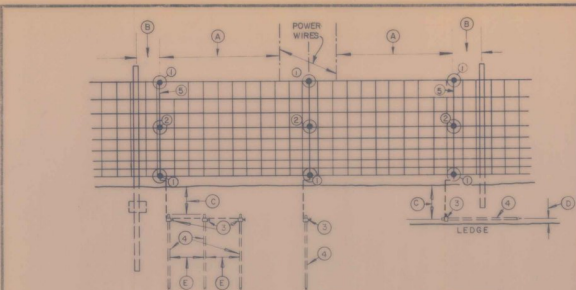
Stephen S. McCallister, II
 DIRECTOR OF ENGINEERING

William Mungley, PE
 DESIGN ENGINEER

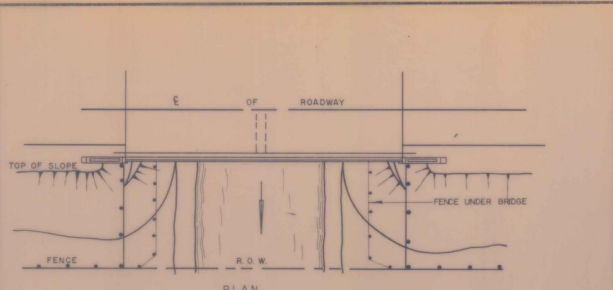
WOVEN WIRE FENCE WITH WOOD POSTS
 WOVEN WIRE FENCE WITH STEEL POSTS
 WOOD BRACE FOR WOVEN WIRE FENCE
 STEEL BRACE FOR WOVEN WIRE FENCE
 DRIVE GATE FOR WOVEN WIRE FENCE
 WALK GATE FOR WOVEN WIRE FENCE

VERMONT AGENCY OF TRANSPORTATION

STANDARD F-1

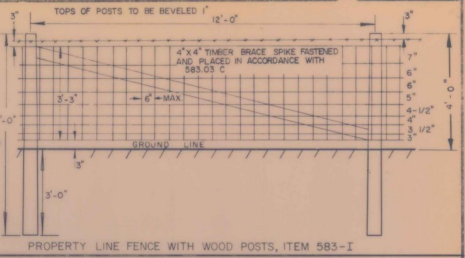


- ⊕ 25'-0" OR TO 10'±0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
 - ⊕ MAXIMUM DISTANCE 10' (± 0.5')
 - ⊕ MINIMUM DISTANCE 10' (± 1.0')
 - ⊕ 3.0' (± 0.8')
 - ⊕ MINIMUM DISTANCE 6.0'
 - ⊕ CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
 - ⊕ CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
 - ⊕ GROUND ROD CLAMP
 - ⊕ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
 - ⊕ CONDUCTOR, NO. 6 AWG COPPER, SOFT DRAWN OR NO. 4 AWG ALUMINUM
- INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



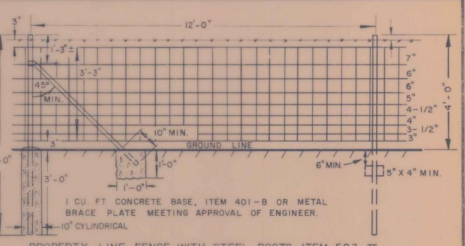
ELEVATION (BRIDGE WITH PARAPET WALLS)

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART AND NOT LESS THAN NO. 11 GAUGE
 ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SECTION 541.02-A EXCEPTING WESTERN RED CEDAR
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET
 WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER ITEM 583.03 C
 POSTS TO HAVE A MINIMUM OF 4-1/2" DIA.



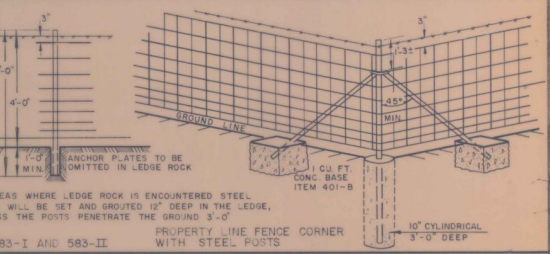
PROPERTY LINE FENCE WITH WOOD POSTS, ITEM 583-I

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART, AND NOT LESS THAN NO. 11 GAUGE
 STEEL LINE POSTS OF A STANDARD COMMERCIAL TYPE AS PER SECTION 583.02 C
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE 2 BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET
 LINE POSTS TO HAVE ANCHOR PLATES
 CONCRETE, ITEM 401-B, TO BE INCLUDED IN BID PRICE FOR ITEM 583

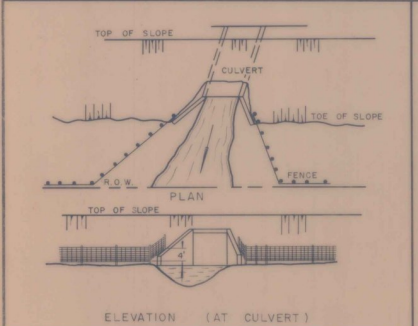


PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-II

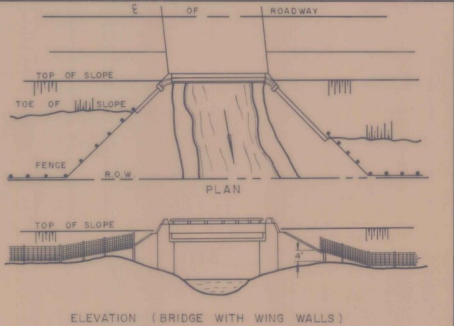
CONCRETE BASE, ITEM 401-B OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER
 CONCRETE, ITEM 401-B TO BE INCLUDED IN BID PRICE FOR ITEM 583



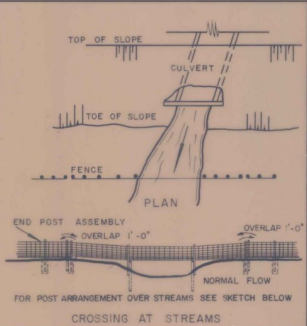
PROPERTY LINE FENCE CORNER WITH STEEL POSTS



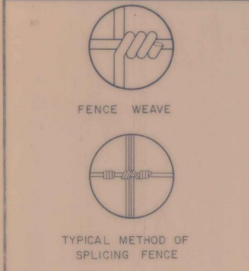
ELEVATION (AT CULVERT)



ELEVATION (BRIDGE WITH WING WALLS)



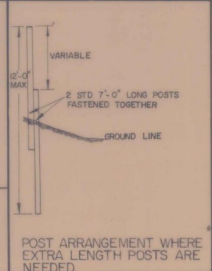
CROSSING AT STREAMS



SPECIFICATIONS FOR STEEL POSTS
 INTERMEDIATE OR LINE POSTS
 STANDARD TEE POSTS, MIN WEIGHT 1.33 LBS. PER L.F.

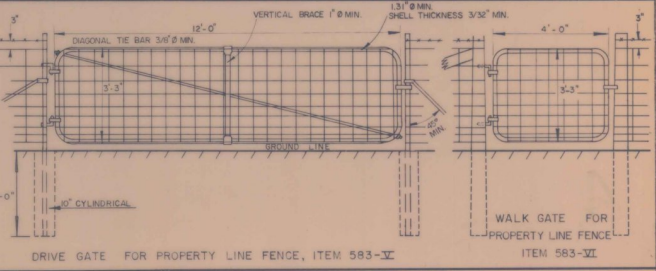
END POSTS, CORNER POSTS, PULL POSTS AND BRACES
 ANGLE POST AND BRACE, MIN. SECTION FOR POST 2-1/2" X 3-1/2" X 1/4"
 BRACE MIN. SECTION 2" X 2" X 3/16"

SPECIFICATIONS FOR BARBED WIRE
 ONE STRAND OF BARBED WIRE SHALL BE PLACED 3" ABOVE FENCE FABRIC AND SHALL BE STANDARD GALVANIZED BARBED WIRE OF 2 STRANDS OF NO. 12 1/2 GAUGE ANNEALED STEEL WIRE WITH FOUR POINT BARBS OF NO. 14 GAUGE, WIRE WRAPPED TWICE AROUND ONE OF THE MAIN STRANDS, AT 5" INTERVALS COATING TO BE SAME AS FABRIC.



POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED

FRAMES FOR GATES SHALL BE MADE FROM STEEL TUBING NOT LESS THAN 1.31" O.D., WITH 3/32" SHELL THICKNESS
 STEEL POSTS, BRACES, ANCHORS, PLATES AND OTHER DEVICES SHALL BE ZINC COATED AS PER SEC. 583.02-C
 ALL END, CORNER AND STEEL POSTS SHALL BE SET IN CONCRETE CLASS "B", ITEM 401-B, TO BE INCLUDED IN BID PRICE FOR ITEM 583
 WIRE FOR GATES SHALL CONFORM TO REQUIREMENTS AS PER SECTION 583.02 A



DRIVE GATE FOR PROPERTY LINE FENCE, ITEM 583-IV

WALK GATE FOR PROPERTY LINE FENCE, ITEM 583-V

REVISIONS AND CORRECTIONS

BARBED WIRE AND SPECIFICATIONS NOTE ADDED, AND LENGTH OF POSTS CHANGED, MAY 27, 1964
 MARCH 1, 1965 - ITEMS 1, 2 AND 4 OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS CHANGED.
 NOTE ON CYLINDRICAL FOOTINGS ADDED
 MARCH 23, 1967 - SPEED RON STEEL POSTS AND POST FOOTINGS CHANGED
 NOV. 4, 1967 - HEIGHT OF FENCE FABRIC, POSTS AND GATES REDUCED
 NOV. 29, 1967 - FENCE UNDER BRIDGE ADDED, EXTRA LENGTH POSTS AND WALK GATE FABRIC CHANGED.

APPROVED DATE MARCH 10, 1965

A. B. Bishop
 CHIEF ENGINEER

A. M. Lane
 HIGHWAY ENGINEER

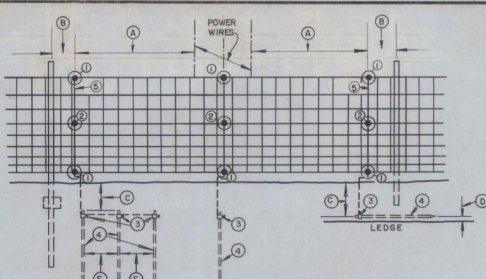
E. W. Sticking
 CONSTRUCTION ENGINEER

PROPERTY LINE FENCE, ITEM 583

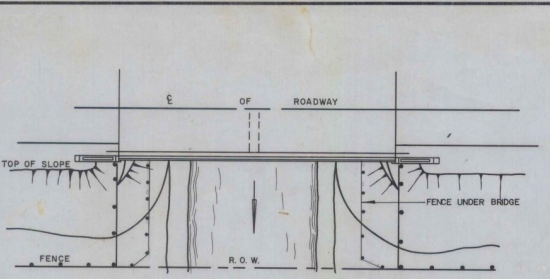
PROPERTY LINE FENCE WITH WOOD POSTS, ITEM 583-I
 PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-II
 WOOD BRACES FOR PROPERTY LINE FENCE, ITEM 583-III
 STEEL BRACE FOR PROPERTY LINE FENCE, ITEM 583-IV
 DRIVE GATE FOR PROPERTY LINE FENCE, ITEM 583-V
 WALK GATE FOR PROPERTY LINE FENCE, ITEM 583-VI

VERMONT DEPARTMENT OF HIGHWAYS STANDARD

F-1

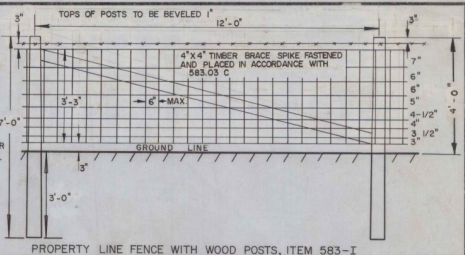


- Ⓐ 25'-0" OR TO 1'0" ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
 - Ⓑ MAXIMUM DISTANCE 1.0' (± 0.5")
 - Ⓒ MINIMUM DISTANCE 1.0' (± 0.5")
 - Ⓓ 2.0' (± 0.5")
 - Ⓔ MINIMUM DISTANCE 6.0'
 - ① CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
 - ② CONNECTOR, SUITABLE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



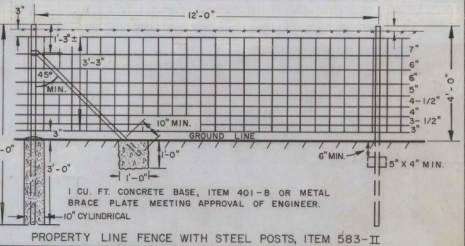
ELEVATION (BRIDGE WITH PARAPET WALLS)

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART AND NOT LESS THAN NO. 11 GAUGE.
 ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SECTION 541.02-A EXCEPTING WESTERN RED CEDAR.
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.
 WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER ITEM 583.03 C.
 POSTS TO HAVE A MINIMUM OF 4-1/2" DIA.



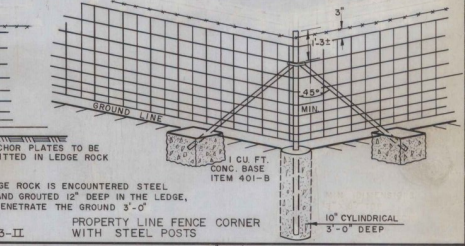
PROPERTY LINE FENCE WITH WOOD POSTS, ITEM 583-I

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6" APART, AND NOT LESS THAN NO. 11 GAUGE.
 STEEL LINE POSTS OF A STANDARD COMMERCIAL TYPE AS PER SECTION 583.02 C.
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE 2 BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.
 LINE POSTS TO HAVE ANCHOR PLATES.
 CONCRETE, ITEM 401-B, TO BE INCLUDED IN BID PRICE FOR ITEM 583.



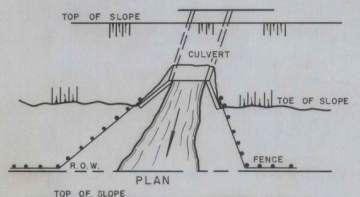
PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-II

CONCRETE BASE, ITEM 401-B OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER.
 CONCRETE, ITEM 401-B TO BE INCLUDED IN BID PRICE FOR ITEM 583.

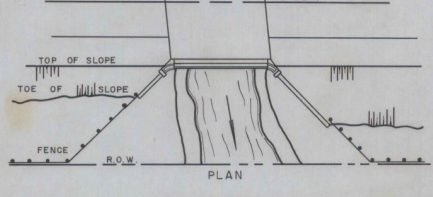


PROPERTY LINE FENCE CORNER WITH STEEL POSTS

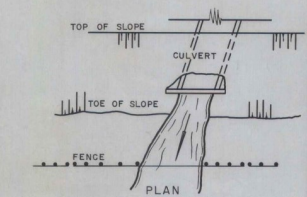
IN AREAS WHERE LEDGE ROCK IS ENCOUNTERED STEEL POSTS WILL BE SET AND GROUTED 12" DEEP IN THE LEDGE, UNLESS THE POSTS PENETRATE THE GROUND 3'-0".



ELEVATION (AT CULVERT)



ELEVATION (BRIDGE WITH WING WALLS)

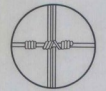


CROSSING AT STREAMS

FOR POST ARRANGEMENT OVER STREAMS SEE SKETCH BELOW



FENCE WEAVE

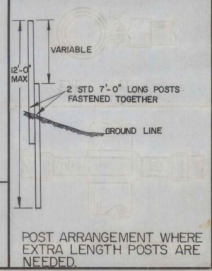


TYPICAL METHOD OF SPLICING FENCE

SPECIFICATIONS FOR STEEL POSTS
 INTERMEDIATE OR LINE POSTS
 STANDARD TEE POSTS. MIN WEIGHT 1.33 LBS. PER L.F.

END POSTS, CORNER POSTS, PULL POSTS AND BRACES
 ANGLE POST AND BRACE, MIN. SECTION FOR POST 2-1/2" X 2-1/2" X 1/4"
 BRACE MIN. SECTION 2" X 2" X 3/16"

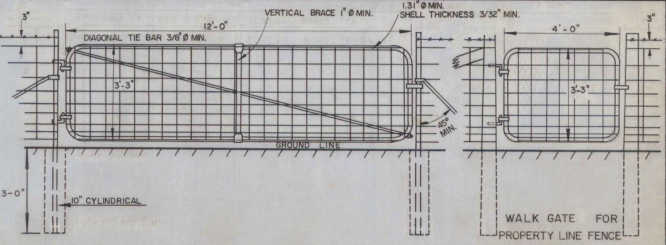
SPECIFICATIONS FOR BARBED WIRE
 ONE STRAND OF BARBED WIRE SHALL BE PLACED 3" ABOVE FENCE FABRIC AND SHALL BE STANDARD GALVANIZED BARBED WIRE OF 2 STRANDS OF NO. 12 GAUGE ANNEALED STEEL WIRE WITH FOUR POINT BARBS OF NO. 14 GAUGE. WIRE WRAPPED TWICE AROUND ONE OF THE MAIN STRANDS, AT 5" INTERVALS. COATING TO BE SAME AS FABRIC.



POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED

FRAMES FOR GATES SHALL BE MADE FROM STEEL TUBING NOT LESS THAN 1.31" O.D., WITH 3/32" SHELL THICKNESS.
 STEEL POSTS, BRACES, ANCHORS, PLATES AND OTHER DEVICES SHALL BE ZINC COATED AS PER SEC. 583.02-C.

ALL END, CORNER AND STEEL POSTS SHALL BE SET IN CONCRETE CLASS "B", ITEM 401-B, TO BE INCLUDED IN BID PRICE FOR ITEM 583.
 WIRE FOR GATES SHALL CONFORM TO REQUIREMENTS AS PER SECTION 583.02 A



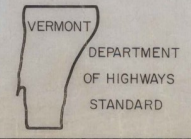
DRIVE GATE FOR PROPERTY LINE FENCE, ITEM 583-III

WALK GATE FOR PROPERTY LINE FENCE ITEM 583-IV

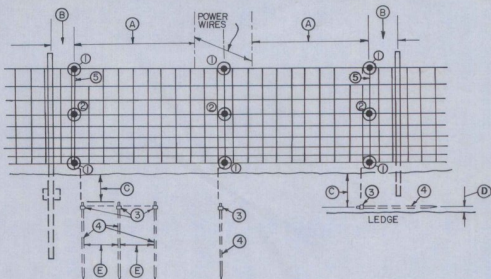
REVISIONS AND CORRECTIONS
 BARBED WIRE AND SPECIFICATIONS NOTE ADDED, AND LENGTH OF POSTS CHANGED MAY 27, 1964
 MARCH 1, 1965... ITEMS 1, 2 AND 4 OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS CHANGED.
 NOTE ON CYLINDRICAL FOOTINGS ADDED.
 MARCH 23, 1967... SPECIES FOR STEEL POSTS AND POST FOOTINGS CHANGED
 NOV 13, 1967... HEIGHT OF FENCE FABRIC, POSTS AND GATES REDUCED
 NOV 29, 1967... FENCE UNDER BRIDGE ADDED, EXTRA LENGTH POSTS AND WALK GATE FABRIC CHANGED.

APPROVED DATE MARCH 10, 1965
 A. J. Bishop
 CHIEF ENGINEER
 G. M. Lane
 HIGHWAY ENGINEER
 E. W. Stearns
 CONSTRUCTION ENGINEER

PROPERTY LINE FENCE, ITEM 583
 PROPERTY LINE FENCE WITH WOOD POSTS, ITEM 583-I
 PROPERTY LINE FENCE WITH STEEL POSTS, ITEM 583-II
 WOOD BRACES FOR PROPERTY LINE FENCE, ITEM 583-III
 STEEL BRACE FOR PROPERTY LINE FENCE, ITEM 583-III
 DRIVE GATE FOR PROPERTY LINE FENCE, ITEM 583-III
 WALK GATE FOR PROPERTY LINE FENCE, ITEM 583-IV

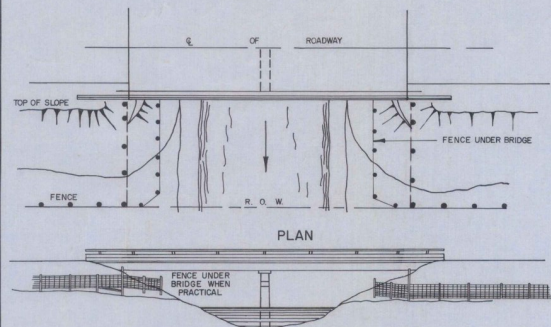


DEPARTMENT OF HIGHWAYS
 STANDARD
 F-1

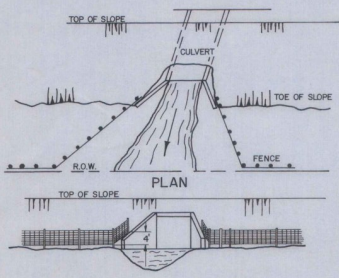


- A 25'-0" OR TO 10'±0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE).
 B MAXIMUM DISTANCE 1.0' (±0.5').
 C MINIMUM DISTANCE 1.0' (±1.0').
 D 2.0' (±0.5').
 E MINIMUM DISTANCE 6.0'
- 1 CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS.
 2 CONNECTOR
 3 GROUND ROD CLAMP
 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.

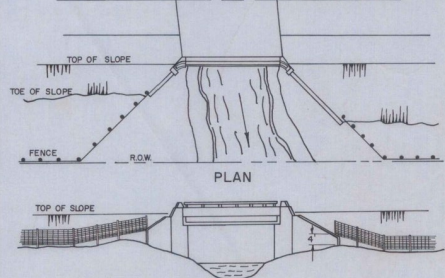
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSING



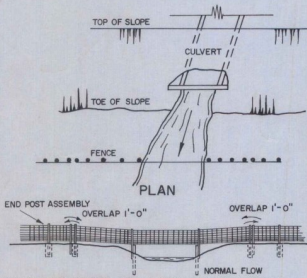
ELEVATION (BRIDGE WITH PARAPET WALLS)



ELEVATION (AT CULVERT)

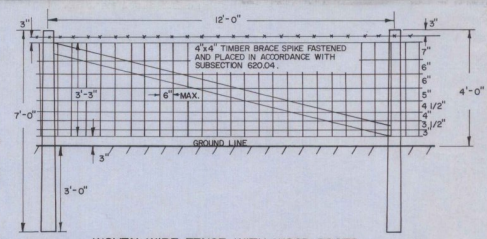


ELEVATION (BRIDGE WITH WING WALLS)



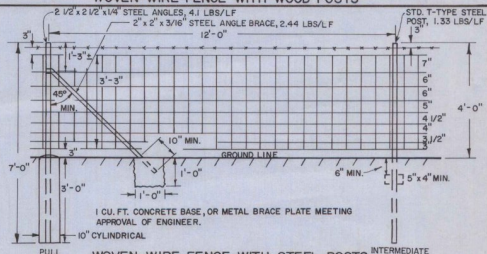
CROSSING AT STREAMS

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6' APART AND NOT LESS THAN NO. 11 GAUGE.
 ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SUB-SECTION 726.01 EXCEPTING WESTERN RED CEDAR.
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FEET.
 WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER SUBSECTION 620.04.
 POSTS TO HAVE A MINIMUM OF 4 1/2" DIAMETER.



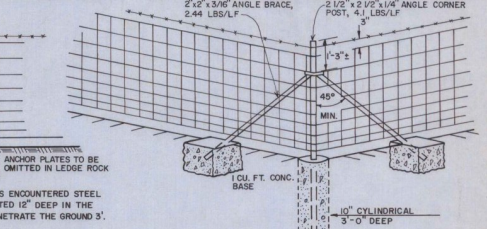
WOVEN WIRE FENCE WITH WOOD POSTS

ALUMINUM COATED STEEL RECTANGULAR MESH OR GALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.
 TOP AND BOTTOM BARS TO BE NOT LESS THAN NO. 9 GAUGE. INTERMEDIATE BARS NOT LESS THAN NO. 11 GAUGE. VERTICAL STAY BARS NOT GREATER THAN 6' APART AND NOT LESS THAN NO. 11 GAUGE.
 ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES WITH A MAXIMUM SPACING BETWEEN BRACES OF 600 FT.
 LINE POSTS TO HAVE ANCHOR PLATES. CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



WOVEN WIRE FENCE WITH STEEL POSTS

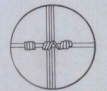
CONCRETE BASE, OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER.
 CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



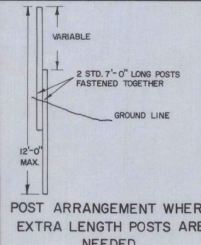
WOVEN WIRE FENCE CORNER WITH STEEL POSTS



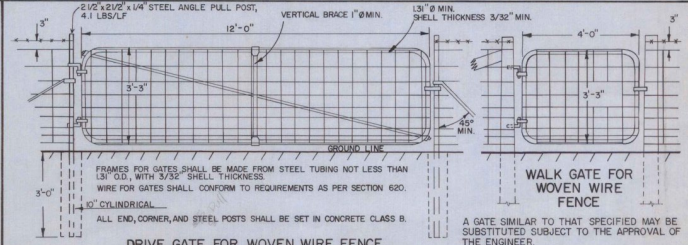
FENCE WEAVE



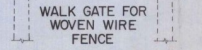
TYPICAL METHOD OF SPLICING FENCE



POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED.



DRIVE GATE FOR WOVEN WIRE FENCE



WALK GATE FOR WOVEN WIRE FENCE

REVISIONS AND CORRECTIONS
 JULY 21, 1976 - GATE SUBSTITUTION NOTE ADDED.
 DEC. 10, 1976 - DIMENSIONS FOR STEEL POSTS AND BRACES ADDED.

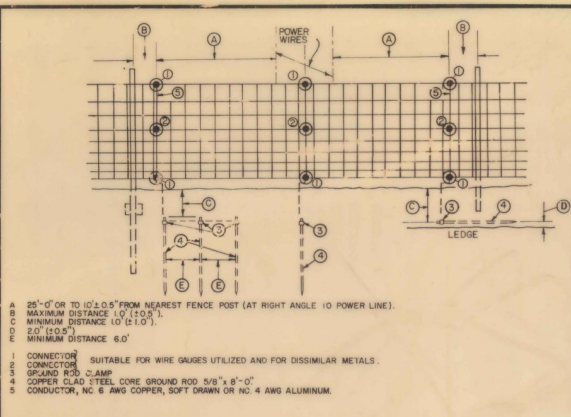
APPROVED: DATE: Dec. 8, 1971
 P.H. Crowell
 CHIEF ENGINEER
 E.H. Hitchney
 ASST. CHIEF ENGINEER
 G.M. Lane
 HIGHWAY ENGINEER

WOVEN WIRE FENCE WITH WOOD POSTS
 WOVEN WIRE FENCE WITH STEEL POSTS
 WOOD BRACE FOR WOVEN WIRE FENCE
 STEEL BRACE FOR WOVEN WIRE FENCE
 DRIVE GATE FOR WOVEN WIRE FENCE
 WALK GATE FOR WOVEN WIRE FENCE

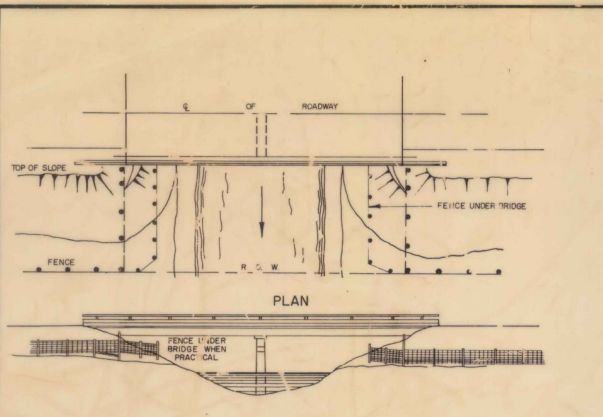


STANDARD
 F-1

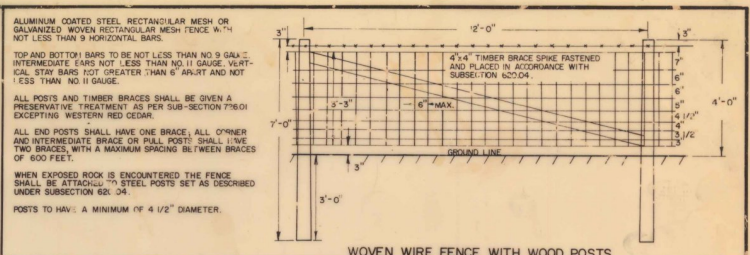
Checked 9/17/71



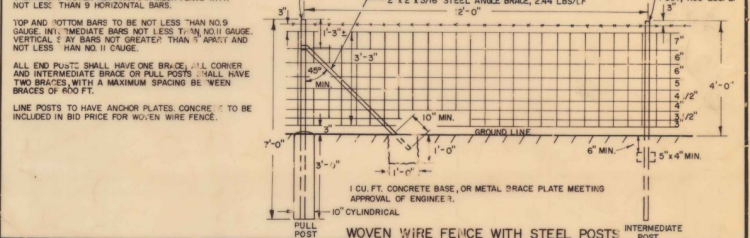
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSING



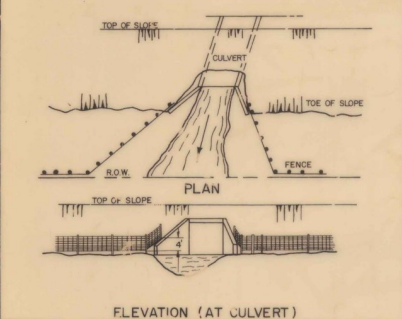
ELEVATION (BRIDGE WITH PARAPET WALLS)



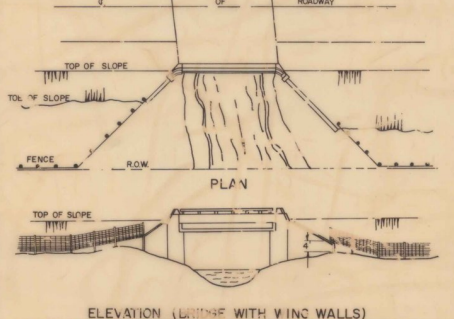
WOVEN WIRE FENCE WITH WOOD POSTS



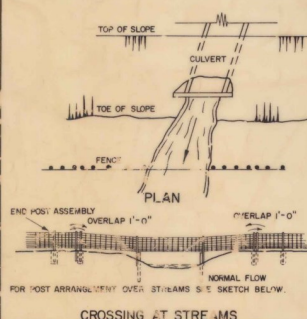
WOVEN WIRE FENCE WITH STEEL POSTS



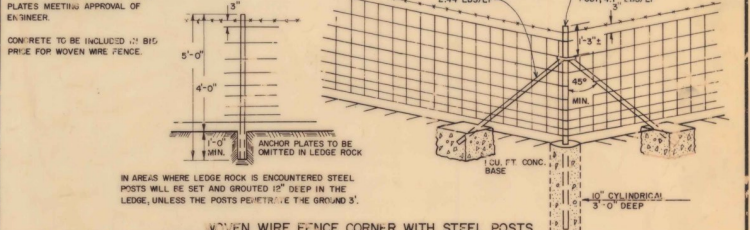
ELEVATION (AT CULVERT)



ELEVATION (BRIDGE WITH WING WALLS)



CROSSING AT STREAMS



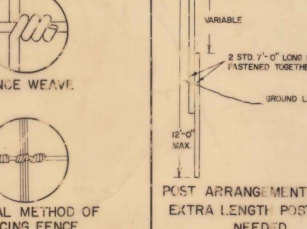
WOVEN WIRE FENCE CORNER WITH STEEL POSTS



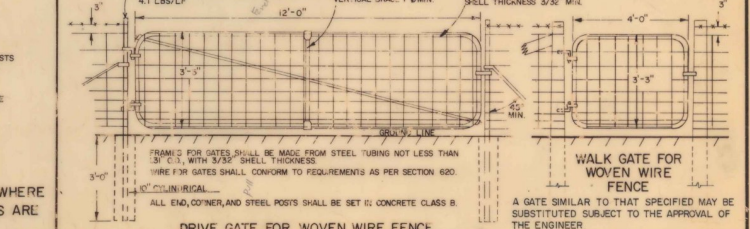
TYPICAL METHOD OF SPLICING FENCE



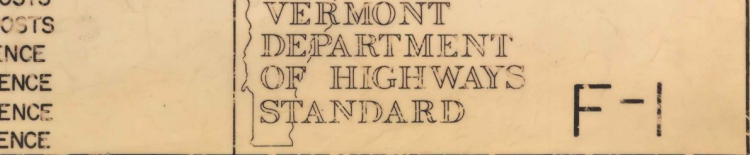
POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED



FENCE WEAVE



DRIVE GATE FOR WOVEN WIRE FENCE



WALK GATE FOR WOVEN WIRE FENCE

REVISIONS AND CORRECTIONS
 JULY 21, 1976 - GATE SUBSTITUTION NOTE ADDED.
 DEC. 10, 1976 - DIMENSIONS FOR STEEL POSTS AND BRACES ADDED.

APPROVED: DATE: *Dec 9, 1971*

R. L. Arnold
 CHIEF ENGINEER

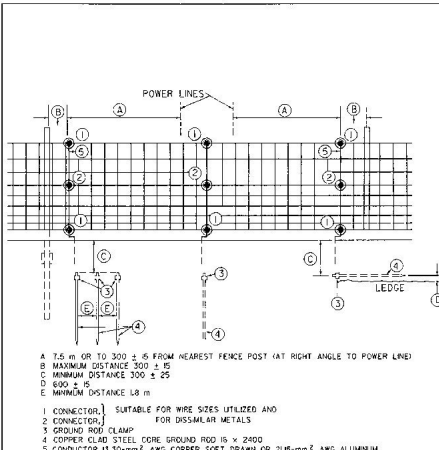
E. H. Stinchey
 ASST. CHIEF ENGINEER

L. M. Lane
 HIGHWAY ENGINEER

- WOVEN WIRE FENCE WITH WOOD POSTS
- WOVEN WIRE FENCE WITH STEEL POSTS
- WOOD BRACE FOR WOVEN WIRE FENCE
- STEEL BRACE FOR WOVEN WIRE FENCE
- DRIVE GATE FOR WOVEN WIRE FENCE
- WALK GATE FOR WOVEN WIRE FENCE

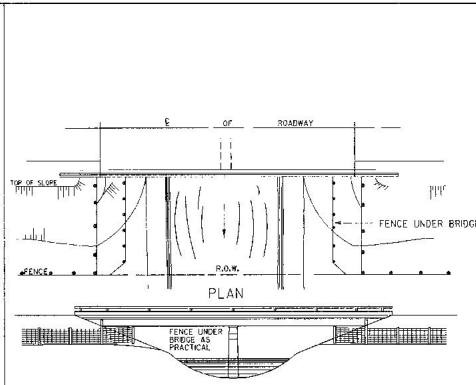
VERMONT
 DEPARTMENT
 OF HIGHWAYS
 STANDARD

F-1



- A 7.5 m OR TO 300 ± 15 FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
 B MAXIMUM DISTANCE 300 ± 15
 C MINIMUM DISTANCE 300 ± 25
 D 600 ± 15
 E MINIMUM DISTANCE 1.8 m
- 1 CONNECTOR, SUITABLE FOR WIRE SIZES UTILIZED AND FOR DISSIMILAR METALS
 2 CONNECTOR, FOR DISSIMILAR METALS
 3 GROUND ROD CLAMP
 4 COPPER CLAD STEEL CORE GROUND ROD IS x 2400
 5 CONDUCTOR 15.30-mm² AWG COPPER SOFT DRAWN OR 21.5-mm² AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSING



ELEVATION (BRIDGE WITH PARAPET WALLS)

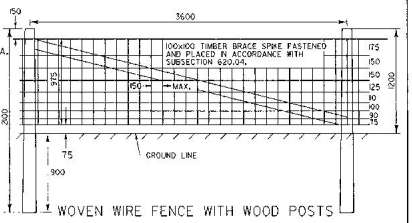
TOP AND BOTTOM BARS TO BE NOT LESS THAN 3.76 mm DIA. INTERMEDIATE BARS NOT LESS THAN 3.05 mm DIA. VERTICAL STAY BARS NOT GREATER THAN 150 mm APART AND NOT LESS THAN 3.05 mm DIA.

ALL POSTS AND TIMBER BRACES SHALL BE GIVEN A PRESERVATIVE TREATMENT AS PER SUB-SECTION 126.01 EXCEPTING WESTERN RED CEDAR.

ALL END POSTS SHALL HAVE ONE BRACE, ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 180 m.

WHEN EXPOSED ROCK IS ENCOUNTERED THE FENCE SHALL BE ATTACHED TO STEEL POSTS SET AS DESCRIBED UNDER SUBSECTION 620.04.

POSTS TO HAVE A MINIMUM OF 115 mm DIAMETER.



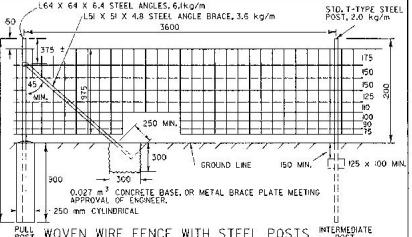
WOVEN WIRE FENCE WITH WOOD POSTS

CALVANIZED WOVEN RECTANGULAR MESH FENCE WITH NOT LESS THAN 9 HORIZONTAL BARS.

TOP AND BOTTOM BARS TO BE NOT LESS THAN 3.76 mm DIA. INTERMEDIATE BARS NOT LESS THAN 3.05 mm DIA. VERTICAL STAY BARS NOT GREATER THAN 150 mm APART AND NOT LESS THAN 3.05 mm DIA.

ALL END POSTS SHALL HAVE ONE BRACE; ALL CORNER AND INTERMEDIATE BRACE OR PULL POSTS SHALL HAVE TWO BRACES, WITH A MAXIMUM SPACING BETWEEN BRACES OF 180 m.

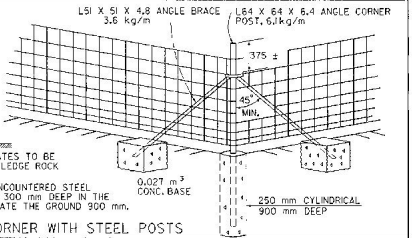
LINE POSTS TO HAVE ANCHOR PLATES, CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



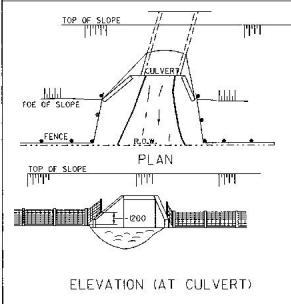
WOVEN WIRE FENCE WITH STEEL POSTS

CONCRETE BASE, OR METAL BRACE PLATES MEETING APPROVAL OF ENGINEER.

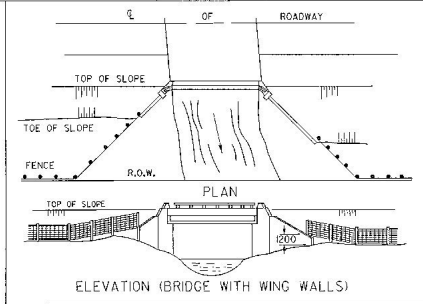
CONCRETE TO BE INCLUDED IN BID PRICE FOR WOVEN WIRE FENCE.



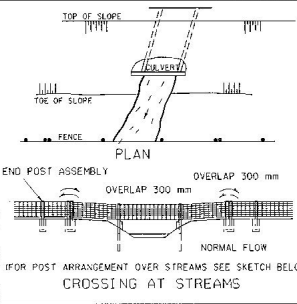
WOVEN WIRE FENCE CORNER WITH STEEL POSTS



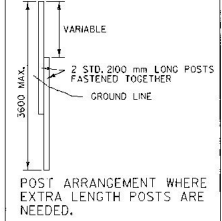
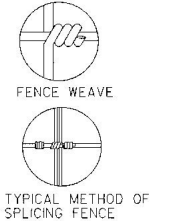
ELEVATION (AT CULVERT)



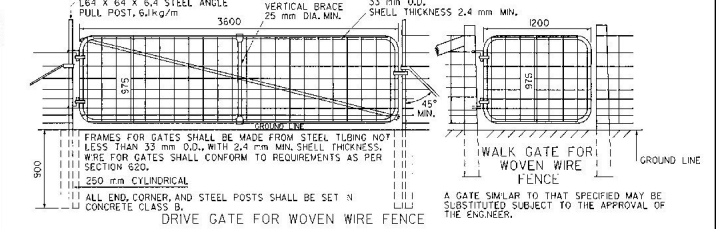
ELEVATION (BRIDGE WITH WING WALLS)



CROSSING AT STREAMS



POST ARRANGEMENT WHERE EXTRA LENGTH POSTS ARE NEEDED.

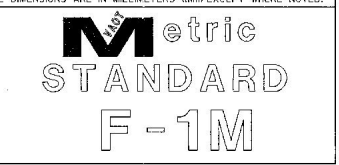
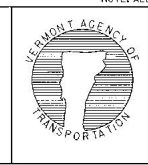


DRIVE GATE FOR WOVEN WIRE FENCE

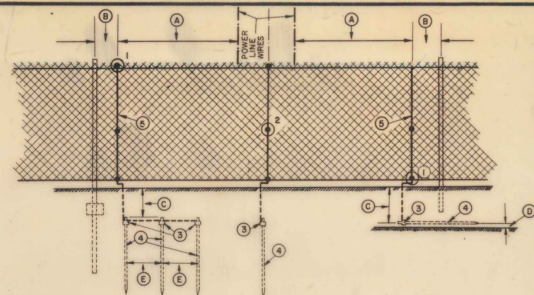
REVISIONS AND CORRECTIONS
 JUNE 13, 1997 - ORIGINAL APPROVAL. DATE

APPROVED
 [Signature]
 DIRECTOR OF ENGINEERING
 [Signature]
 DESIGN ENGINEER

WOVEN WIRE FENCE WITH WOOD POSTS
 WOVEN WIRE FENCE WITH STEEL POSTS
 WOOD BRACE FOR WOVEN WIRE FENCE
 STEEL BRACE FOR WOVEN WIRE FENCE
 DRIVE GATE FOR WOVEN WIRE FENCE
 WALK GATE FOR WOVEN WIRE FENCE

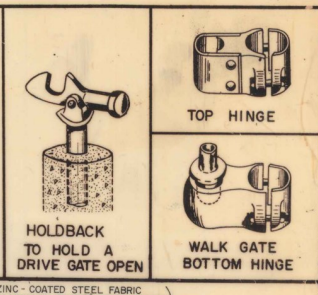
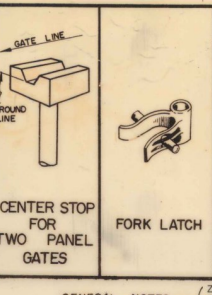
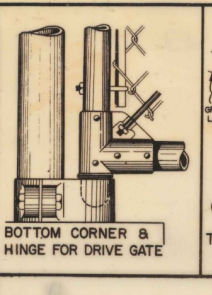
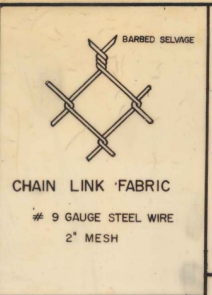
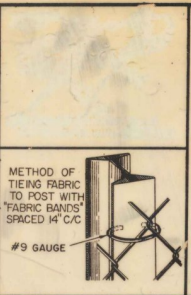
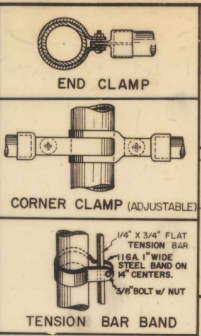


NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.



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'
 F CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
 G GROUND ROD CLAMP
 H COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
 I 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

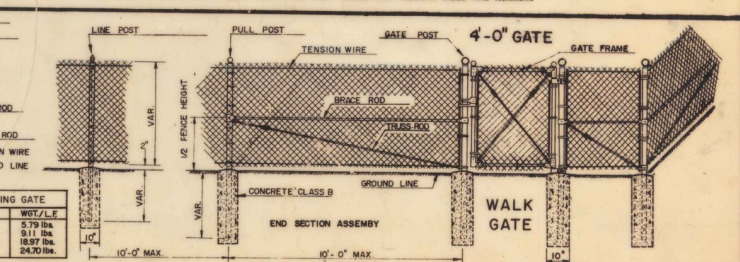
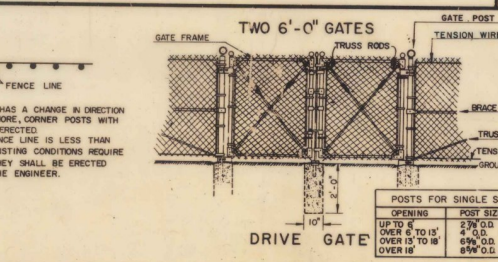
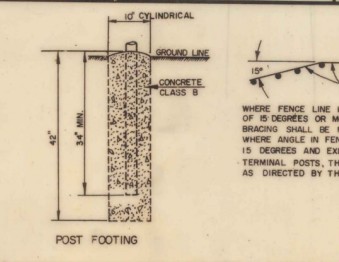
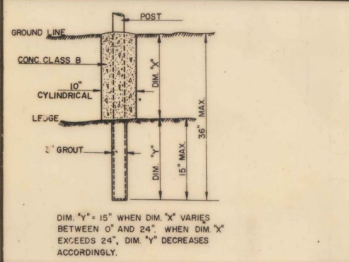
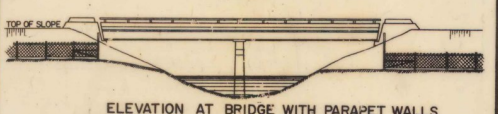
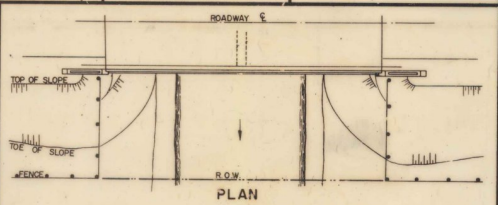
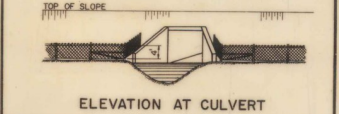
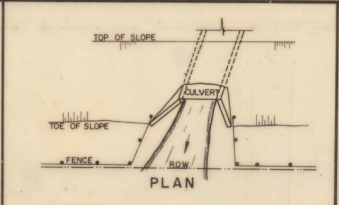
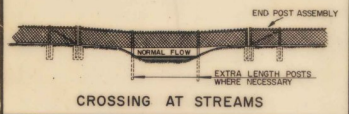
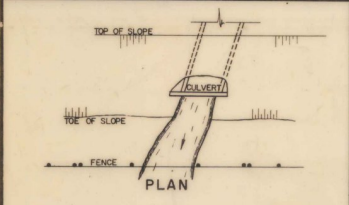
HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, #9 GAUGE WIRE, WOVEN IN A 2' MESH. TOP AND BOTTOM SELVAGES TO BE BARBED. THE BOTTOM SELVAGE TO BE 2" ABOVE THE GROUND LINE. THE TOP SELVAGE TO BE 1" ABOVE THE TENSION WIRE WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 2" x 2 1/4" "H" COLUMN, WEIGHT 4.1 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, "H" 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, WEIGHING 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'-4" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS 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 5/8" O.D. PIPE.
 TENSION BARS... SHALL BE FLAT 1/4" X 3/4" 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 9/8" 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 5/8" 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 ERRECTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER.

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



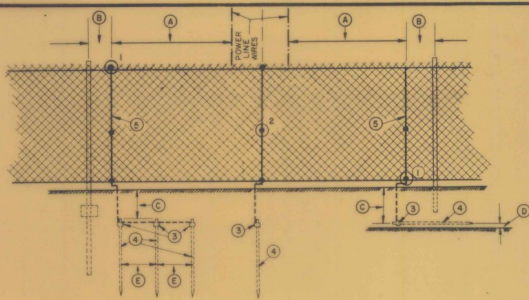
POSTS FOR SINGLE SWING GATE		
OPENING	POST SIZE	WEIGHT
UP TO 6'	2 3/8" O.D.	5.79 lbs.
OVER 6' TO 15'	4" O.D.	9.11 lbs.
OVER 15' TO 18'	6 3/8" O.D.	18.57 lbs.
OVER 18'	8 3/8" O.D.	24.90 lbs.

REVISIONS AND CORRECTIONS
 JULY 28, 1975 - VINYL COATED FABRIC ADDED.
 FEBRUARY 1, 1979 - CHANGE TOP RAIL TO TENSION WIRE.

APPROVED DATE Dec 6, 1971
 Chief Engineer
 Asst. Chief Engineer
 Highway Engineer

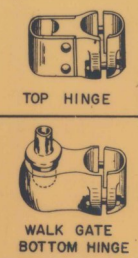
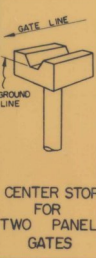
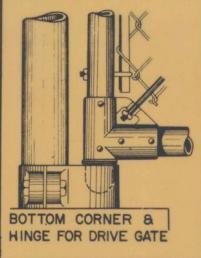
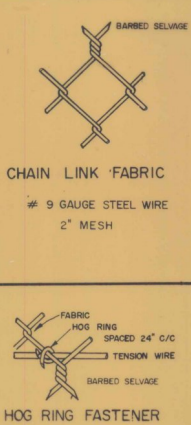
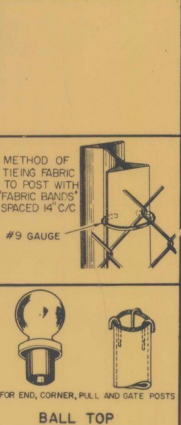
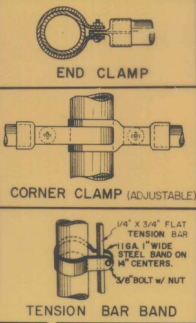
**CHAIN-LINK FENCE (TYPE 1)
 DRIVE GATE FOR CHAIN-LINK FENCE (TYPE 1)
 WALK GATE FOR CHAIN-LINK FENCE (TYPE 1)**

VERMONT AGENCY OF TRANSPORTATION
 VERMONT HIGHWAYS
 STANDARD
 F-2



- Ⓐ 25'-0" OR TO 1.0 ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 10' (± 0.5')
- Ⓒ MINIMUM DISTANCE 10' (± 1.0')
- Ⓓ 2.0' (± 0.5')
- Ⓔ MINIMUM DISTANCE 6.0'
- ① CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ② CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ③ GROUND ROD CLAMP
- ④ COPPER CLAD STEEL CORE GROUND ROD 5/16" 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



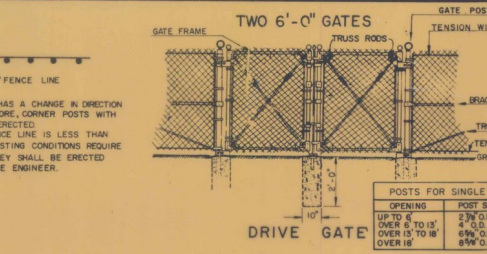
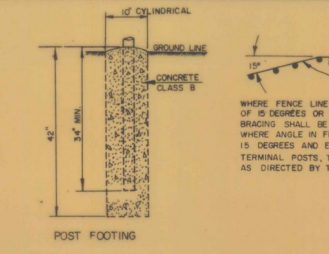
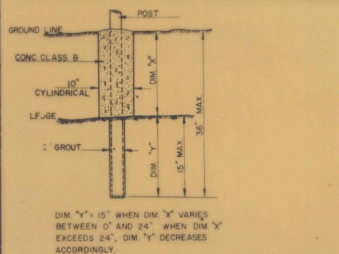
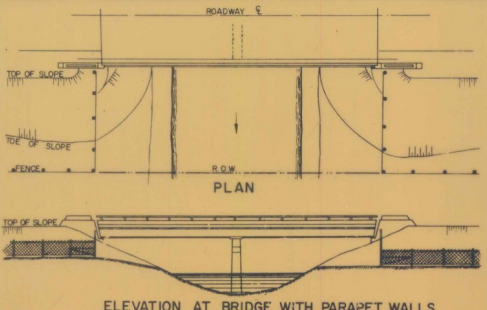
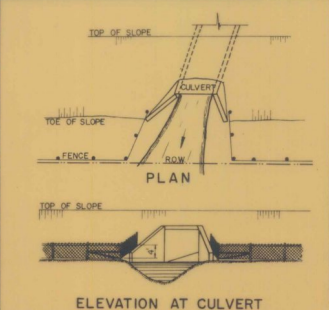
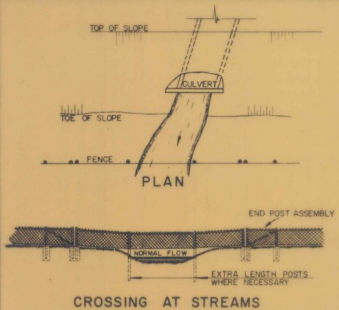
GENERAL NOTES (ZINC-COATED STEEL FABRIC ALUMINUM-COATED STEEL FABRIC VINYL COATED FABRIC)

HEIGHT - AS NOTED ON PLANS
 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 4.1 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, H" 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, WEIGHING 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" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS 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.

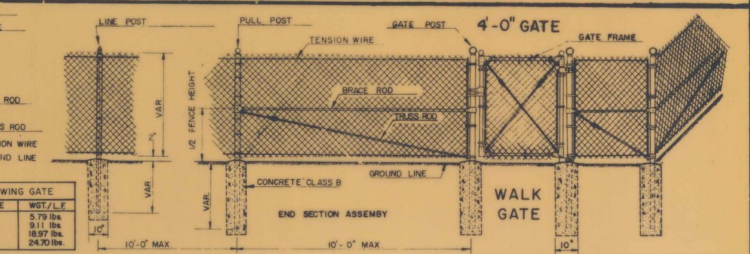
FABRIC TIES - FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES WITH #9 GAUGE WIRE.
 TRUSS RODS - SHALL BE 3/8" DIAMETER DIAGONAL BARS WITH TURNBUCKLE.
 BRACE RODS - SHALL BE 1 5/8" O.D. PIPE.
 TENSION BARS - SHALL BE FLAT 1/4" X 3/4" BARS WITH SQUARE ENDS.
 TENSION WIRE - SHALL BE #9 GAUGE WIRE ATTACHED 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 1/2" 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 1/2" 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 PER CENT ABOVE AND 5 PER CENT BELOW. THE TUBULAR SIZES ARE NOMINAL.



OPENING	POST SIZE	WGT./L.F.
UP TO 6'	2 3/8" O.D.	5.79 lbs.
OVER 6' TO 15'	4" O.D.	9.11 lbs.
OVER 15' TO 18'	6 5/8" O.D.	18.97 lbs.
OVER 18'	8 5/8" O.D.	24.70 lbs.



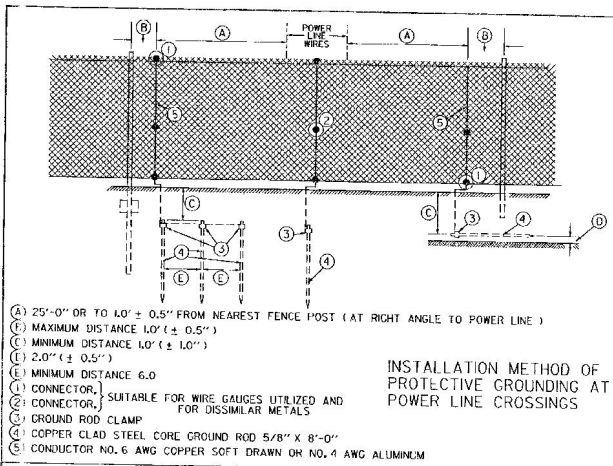
REVISIONS AND CORRECTIONS
 JULY 28, 1975 - VINYL COATED FABRIC ADDED
 FEBRUARY 1, 1979 - CHANGE TOP RAIL TO TENSION WIRE

APPROVED DATE Dec 9, 1971
 Chief Engineer
 Asst. Chief Engineer
 Highway Engineer

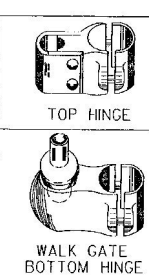
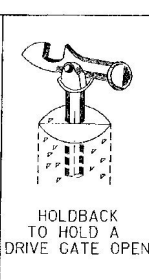
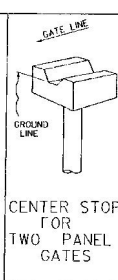
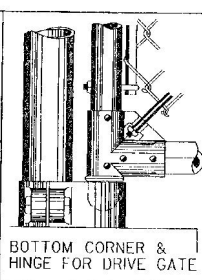
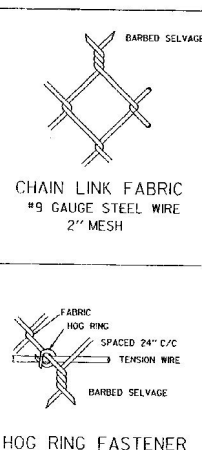
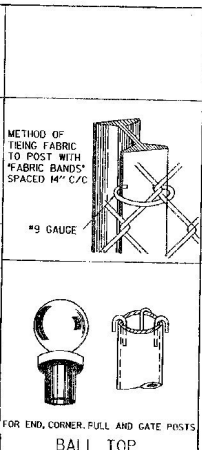
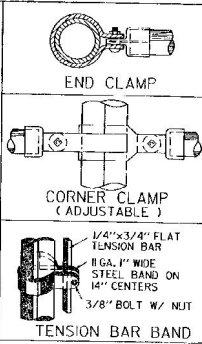
CHAIN-LINK FENCE (TYPE I)
DRIVE GATE FOR CHAIN-LINK FENCE (TYPE I)
WALK GATE FOR CHAIN-LINK FENCE (TYPE I)



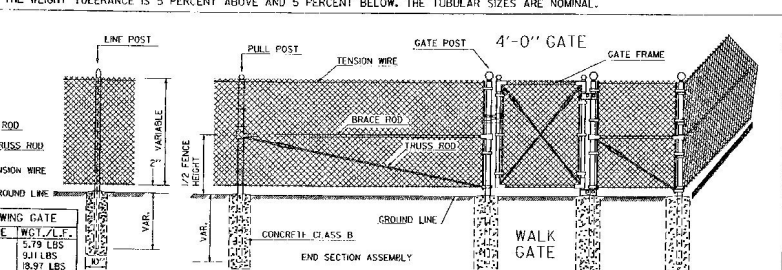
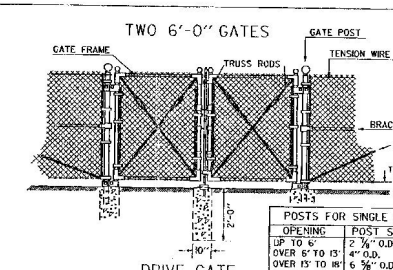
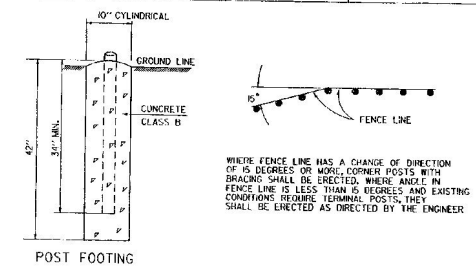
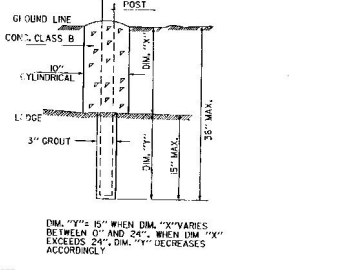
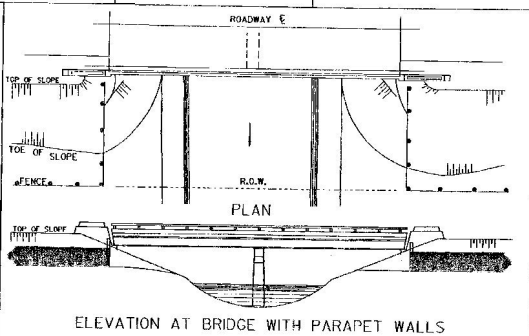
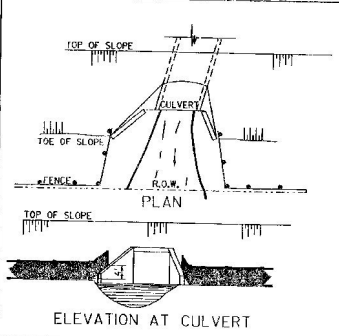
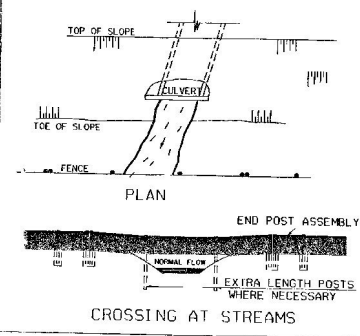
STANDARD
F-2



INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



HEIGHT - AS NOTED ON PLANS
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 4" ABOVE THE TENSION WIRE. WIRE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS - 2"x2 1/4" #1 COLUMN, WEIGHT 4 LBS. PER FOOT OR 2 3/4" 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, 1/2" COLUMNS WEIGHING 2.70 LBS. PER FOOT SHALL BE USED.
 TERMINAL POSTS - END, CORNER, AND FULL POSTS, SHALL BE 2 3/4" 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 3/4" 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 ERRECTED 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.



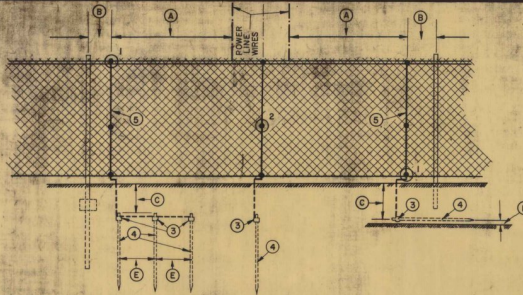
OPENING	POST SIZE	TWT./L.F.
UP TO 6'	2 3/4" O.D.	5.79 LBS.
OVER 6' TO 13'	4" O.D.	9.11 LBS.
OVER 13' TO 18'	6 3/8" O.D.	18.97 LBS.
OVER 18'	8 3/8" O.D.	24.70 LBS.

REVISIONS AND CORRECTIONS
 DEC. 6, 1971 - ORIGINAL APPROVAL DATE
 JULY 28, 1975 - VINYL COATED FABRIC ADDED
 FEB. 4, 1979 - CHANGE TOP RAIL TO TENSION WIRE
 JUN. 1, 1994 - REISSUE, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED
 APPROVED FOR THIS PROJECT AND/OR DESIGN IMPLEMENTATION, FINAL APPROVAL PENDING.
 [Signature]
 DIRECTOR OF ENGINEERING
 [Signature]
 DESIGN ENGINEER

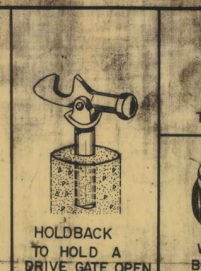
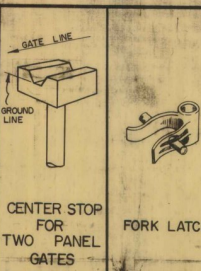
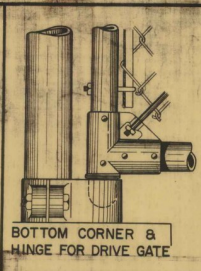
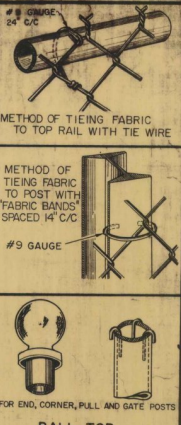
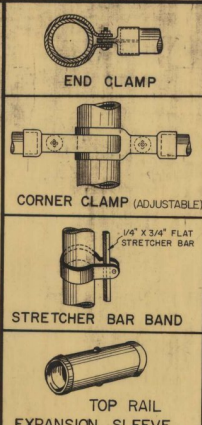
CHAIN LINK FENCE (TYPE 1)
DRIVE GATE FOR CHAIN-LINK FENCE (TYPE 1)
WALK GATE FOR CHAIN-LINK FENCE (TYPE 1)

VERMONT AGENCY OF TRANSPORTATION
STANDARD F-2



- ① 25'-0" OR TO 1.0 ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- ② MAXIMUM DISTANCE 1.0' (± 0.5')
- ③ MINIMUM DISTANCE 1.0' (± 1.0')
- ④ 2.0' (± 0.5')
- ⑤ MINIMUM DISTANCE 6.0'
- ⑥ CONNECTOR, SIMILAR TO "PENN UNION" SW OR GX A
- ⑦ CONNECTOR, SIMILAR TO "PENN UNION" 3 X 4
- ⑧ GROUND ROD CLAMP, SIMILAR TO "PENN UNION" GRB OR GP
- ⑨ COPPER CLAD GROUND ROD 5/8" X 8'-0" COPPER WELD OR EQUIVALENT
- ⑩ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



GENERAL NOTES

HEIGHT... AS NOTED ON PLANS.

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 TOP RAIL.

LINE POSTS... 2" x 2 1/4" "H" COLUMN, WEIGHT 4.1 LBS. PER FOOT OR 2 1/2" O.D. PIPE, WEIGHT 3.65 LBS. PER FOOT OR APPROVED EQUAL FOR POSTS 6 FEET AND OVER IN LENGTH. FOR POSTS UP TO 6 FEET, "H" COLUMNS WEIGHING 2.8 LBS. PER FOOT SHALL BE USED.

TERMINAL POSTS... END, CORNER AND PULL POSTS SHALL BE 3" O.D. PIPE, WEIGHING 5.79 LBS. PER FOOT FOR POSTS 6 FEET AND OVER IN LENGTH. FOR POSTS UP TO 6 FEET IN LENGTH, 2 1/2" 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... LINE POSTS SHALL BE SET TO A DEPTH OF 2 FEET IN A BELL SHAPED HOLE 2'-4" DEEP FILLED WITH CONCRETE. THE BOTTOM TO HAVE A 12" DIAMETER, THE TOP TO HAVE 7". FOR POSTS UP TO 6 FEET IN LENGTH, FOR LINE POSTS WITH A LENGTH OF 6 FEET AND OVER THE POSTS SHALL BE SET 32" INCHES IN A BELL SHAPED HOLE 3 FEET DEEP FILLED WITH CONCRETE, THE BOTTOM TO HAVE A 12" DIAMETER, THE TOP TO HAVE 8" DIAMETER.

FOR POSTS UP TO 6 FEET IN LENGTH, THE TOP 10" TERMINAL POSTS 6 FEET & OVER IN LENGTH SHALL BE SET IN A BELL SHAPED HOLE 3'-4" DEEP, FILLED WITH CONCRETE. THE BOTTOM SHALL HAVE A 17" DIAMETER. THE TOP SHALL HAVE A 12" DIAMETER. THE EXPOSED SURFACE OF ALL TOPS OF FOOTINGS TO BE SLOPED TO SHED WATER AND PROVIDE A NEAT APPEARANCE WHEN COMPLETED.

EXPANSION SLEEVES... SHALL BE SPACED APPROXIMATELY EVERY 20 FEET, AND SHALL BE OUTSIDE SLEEVE TYPE, 7" LONG.

FABRIC TIES... FABRIC TO BE FASTENED TO TOP RAIL, POSTS AND GATE FRAMES WITH # 9 GAUGE WIRE.

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

BRACE RODS... SHALL BE 1 5/8" O.D. PIPE.

STRETCHER BARS... SHALL BE FLAT 1/4" x 3/4" BARS WITH SQUARE ENDS.

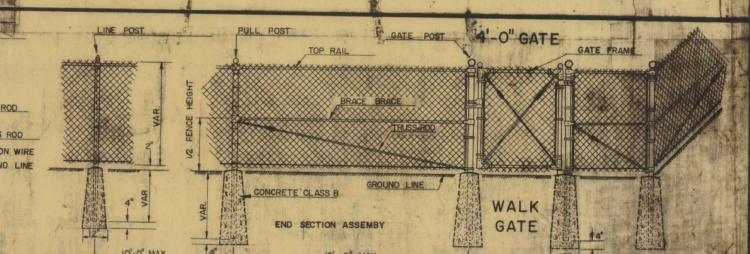
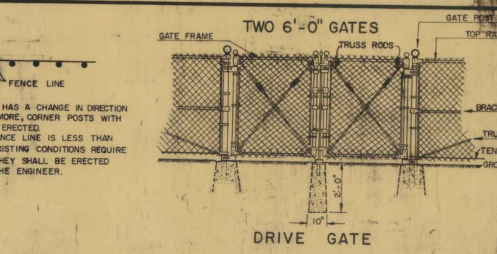
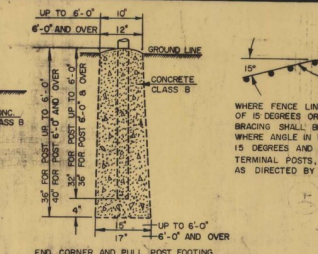
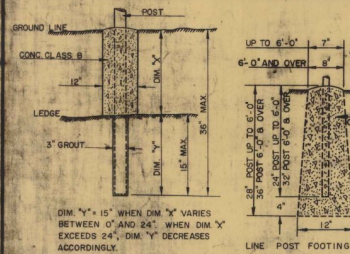
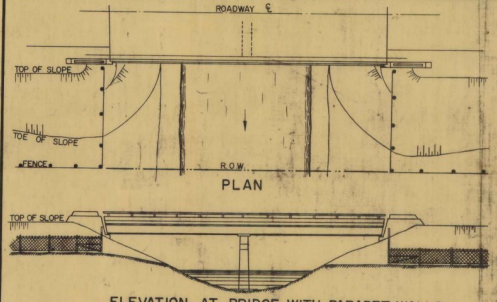
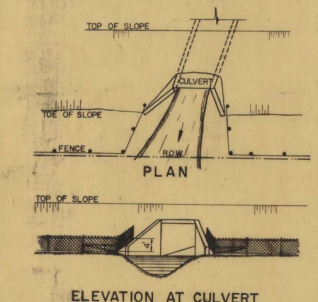
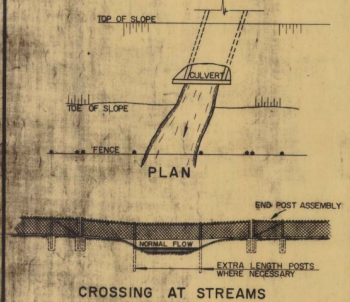
TENSION WIRE... SHALL BE # 9 GAUGE WIRE ATTACHED 2" ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF HOG RINGS.

TOP RAIL... TOP RAILS SHALL BE 1 5/8" DIAMETER PIPE OR "H" COLUMN WEIGHING 2.27 LBS. PER FOOT WHEN FENCE IS 6 FEET OR OVER. WHEN FENCE IS LESS THAN 6 FEET, 1 3/8" O.D. PIPE SHALL BE USED.

GATES... GATE FRAMES SHALL BE 1 5/8" O.D. PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS.

GATE POSTS SHALL BE 3" O.D. PIPE, WEIGHT 5.79 LBS. PER FOOT, FOR FENCE 6 FEET OR OVER. FOR FENCE LESS THAN 6 FEET HIGH, THE GATE POSTS SHALL BE 2 1/2" O.D. PIPE, 3.65 LBS. PER FOOT.

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



REVISIONS AND CORRECTIONS

POST FOOTINGS REVISED AND TENSION WIRE ADDED, MAR 9, 1960

FABRIC SKETCH CHANGED, HOG RING SKETCH ADDED & GENERAL NOTES ALTERED, APRIL 4, 1960

PULLER ROD CATCH, CHANGED, APRIL 6, 1960

END POST ASSEMBLY NOTE ADDED TO GENERAL NOTES, JUNE 24, 1960

APPROVED DATE OCT. 9, 1959

H.E. Saigunt
CHIEF ENGINEER

L.M. Lane
HIGHWAY ENGINEER

Ed. Bates
CONSTRUCTION ENGINEER

CHAIN LINK FENCE, ITEM 584 - A (GALVANIZED)

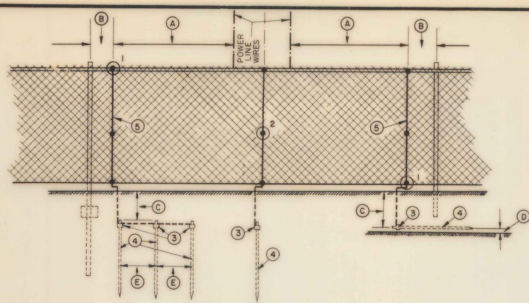
DRIVE GATE FOR CHAIN LINK FENCE, ITEM 584 - B

WALK GATE FOR CHAIN LINK FENCE, ITEM 584 - C

VERMONT

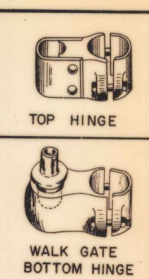
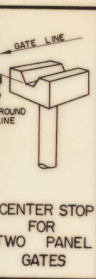
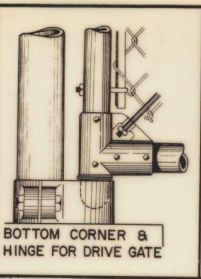
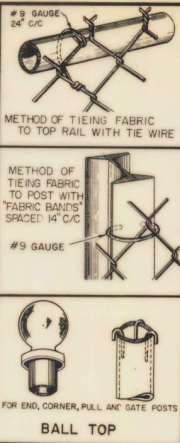
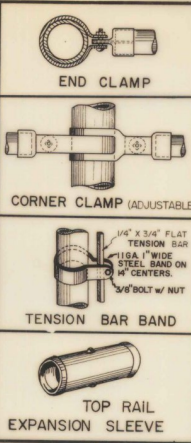
DEPARTMENT OF HIGHWAYS

STANDARD



- A 25'-0" OR TO 1'0" ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- B MAXIMUM DISTANCE 10' (± 0.5')
- C MINIMUM DISTANCE 10' (± 1'0")
- D 2.0' (± 0.5')
- E MINIMUM DISTANCE 6.0'
- F CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- G GROUND ROD CLAMP
- H COPPER CLAD STEEL CORE GROUND ROD 5/8" X 6'-0"
- I CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



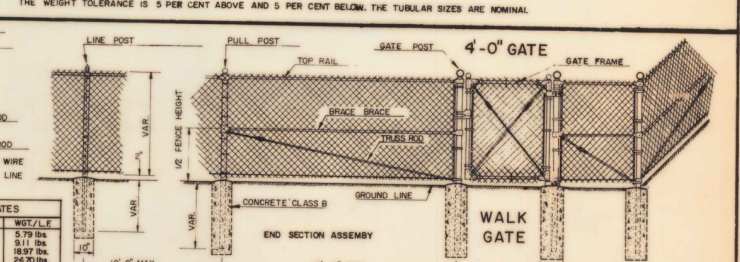
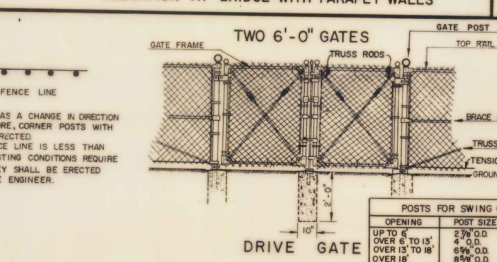
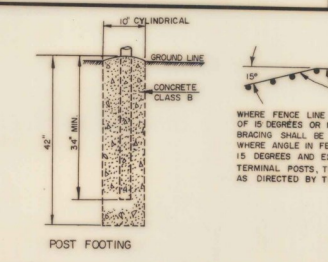
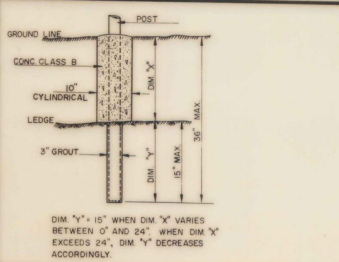
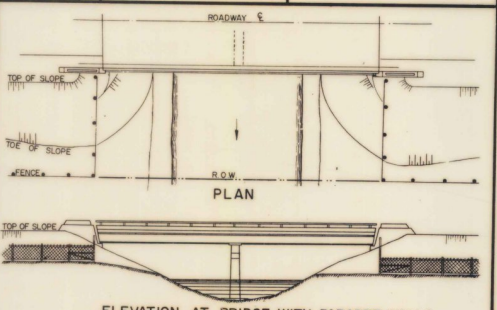
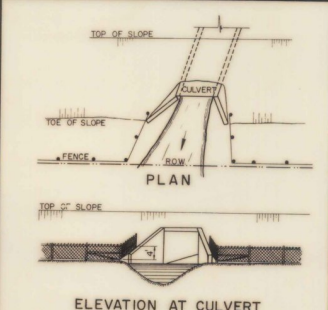
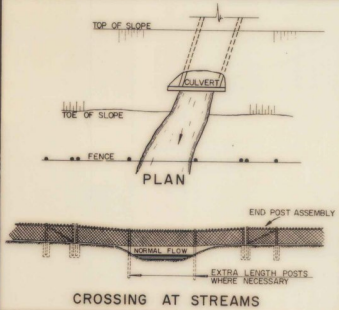
GENERAL NOTES

HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, #9 GAUGE WIRE, WOVEN IN A 2' MESH. TOP AND BOTTOM SELVAGE TO BE BARBED. THE BOTTOM SELVAGE TO BE 2" ABOVE THE GROUND LINE, THE TOP SELVAGE TO BE 1" ABOVE THE TOP RAIL. WHERE FENCE IS 4 FT THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 2" X 2 1/4" "H" COLUMN, WEIGHT 4.1 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, "H" COLUMNS WEIGHING 2.72 LBS PER FOOT SHALL BE USED.
 TERMINAL POSTS... END, CORNER AND PULL POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHING 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" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS 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.
 EXPANSION SLEEVES... SHALL BE SPACED APPROXIMATELY EVERY 20 FEET, AND SHALL BE OUTSIDE SLEEVE TYPE, 7" LONG.
 FABRIC TIES... FABRIC TO BE FASTENED TO TOP RAIL, POSTS AND GATE FRAMES WITH #9 GAUGE WIRE.
 TRUSS RODS... SHALL BE 3/8" DIAMETER DIAGONAL BARS WITH TURNBUCKLE.
 BRACE RODS... SHALL BE 1 5/8" O.D. PIPE.
 TENSION BARS... SHALL BE FLAT 1/4" X 3/4" BARS WITH SQUARE EDGES.
 TENSION WIRE... SHALL BE #9 GAUGE WIRE ATTACHED 2" ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF HOG RINGS ON 24" CENTERS.
 TOP RAIL... TOP RAILS SHALL BE 1 5/8" DIAMETER PIPE OR "H" COLUMN WEIGHING 2.27 LBS PER FOOT WHEN FENCE IS 6'-0" AND OVER. WHEN FENCE IS LESS THAN 6'-0", 1 3/8" O.D. PIPE SHALL BE USED.
 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.

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

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



REVISIONS AND CORRECTIONS

Mar 9, 1960 Post footings revised. Tension wire added.
 Apr 1, 1960 Fabric stretch changed. Hog ring stretch added. General notes attend.
 Apr 5, 1960 Plunger rod catch changed.
 Jun 24, 1960 End post assembly note added.
 Mar 1, 1965 Items 1, 2 and 4 of protective grounding of power line crossings changed. Weight tolerance and tubular size note added.
 Aug 4, 1965 Breakdown of weight of line posts revised.
 Dec 19, 1966 Item 580, I, II, and III added.
 Mar 23, 1967 General notes and post footings changed.
 May 26, 1967 Last sentence in FABRIC paragraph added.
 Sept 16, 1970 Gate post table added. GATE paragraph revised. Stretcher bar nomenclature changed to TENSION BAR. Hog ring stretch revised.

APPROVED DATE Oct 5, 1970

R. W. C. [Signature]
 CHIEF ENGINEER

G. M. [Signature]
 HIGHWAY ENGINEER

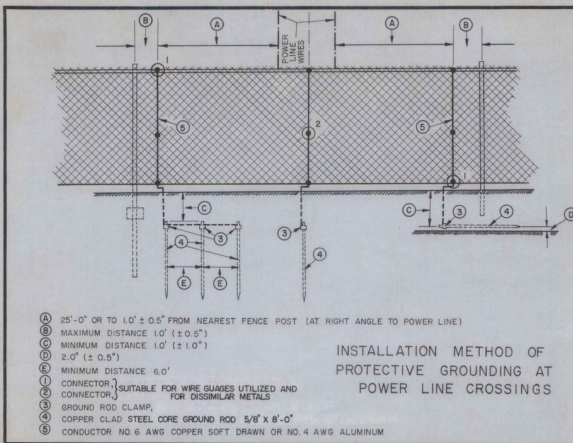
[Signature]
 CONSTRUCTION ENGINEER

DRAWN BY AJA
 TRACED BY AJA

GALVANIZED CHAIN-LINK FENCE, ITEM 581-I (TYPE I)
DRIVE GATE FOR GALVANIZED CHAIN-LINK FENCE, ITEM 581-II (TYPE I)
WALK GATE FOR GALVANIZED CHAIN-LINK FENCE, ITEM 581-III (TYPE I)
ALUMINUM COATED STEEL CHAIN-LINK FENCE, ITEM 580-I (TYPE I)
DRIVE GATE FOR ALUMINUM COATED STEEL CHAIN-LINK FENCE, ITEM 580-II (TYPE I)
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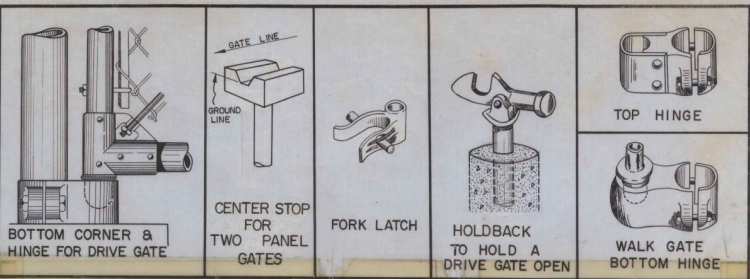
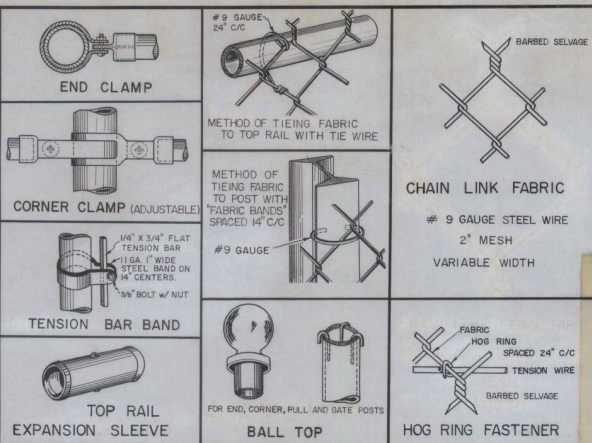
VERMONT DEPARTMENT OF HIGHWAYS STANDARD

F-2



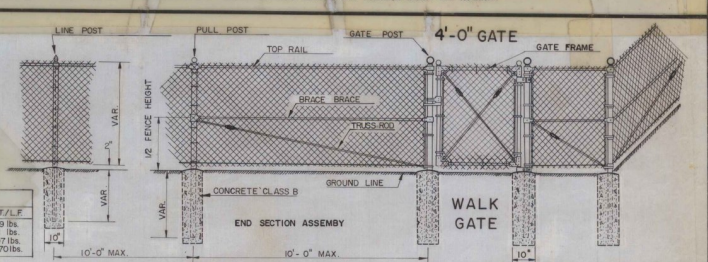
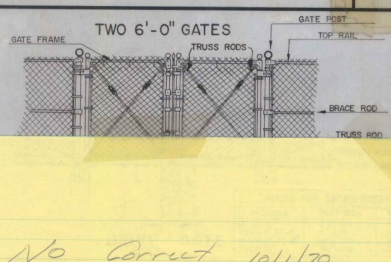
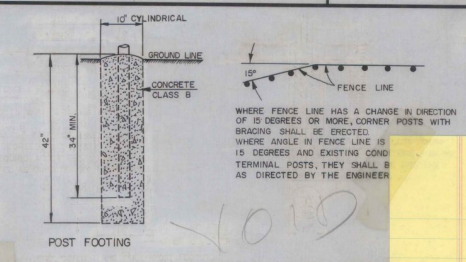
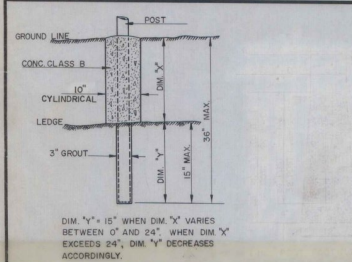
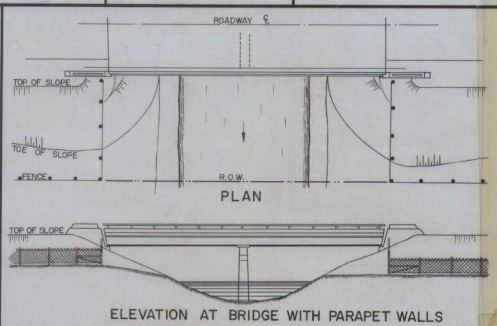
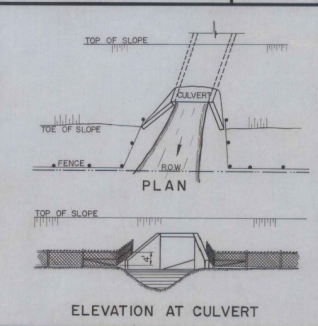
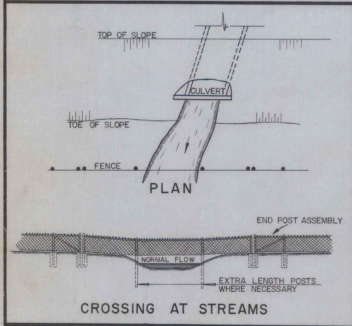
- (A) 25'-0" OR TO 1'0" ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- (B) MAXIMUM DISTANCE 1'0" (± 0.5")
- (C) MINIMUM DISTANCE 1'0" (± 1.0")
- (D) 2'0" (± 0.5")
- (E) MINIMUM DISTANCE 6'-0"
- (1) CONNECTOR SUITABLE FOR WIRE GALVANIES UTILIZED AND FOR DISSIMILAR METALS
- (2) CONNECTOR SUITABLE FOR WIRE GALVANIES 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



GENERAL NOTES

HEIGHT... AS NOTED ON PLANS.
 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 TOP RAIL. WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 2" X 2 1/4" H" COLUMN, WEIGHT 4.1 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" H" COLUMNS WEIGHING 2.72 LBS PER FOOT SHALL BE USED.
 TERMINAL POSTS... END, CORNER AND PULL POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHING 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 SPACINGS... 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" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS SHOWN ON THIS SHEET OR EQUAL.



REVISIONS AND CORRECTIONS

Mar 9, 1960 - Post footings revised. Tension wire added.
 Apr 1, 1960 - Fabric sketch changed. Hog ring sketch added. General notes altered.
 Apr 6, 1960 - Plunger rod catch changed.
 Jun 24, 1960 - End post assembly note added.
 Mar 1, 1965 - Items 1, 2 and 4 of protective grounding at power line crossings changed. Weight tolerance and tubular size note added.
 Aug 4, 1965 - Breakpoint of weight of line posts revised.
 Dec 19, 1966 - Item 580, I, II and III added.
 Mar 25, 1967 - General notes and post footings changed.
 May 26, 1967 - Last sentence in FABRIC paragraph added.
 Sept 16, 1970 - Gate post table added. SATT paragraph revised. Strecher bar nomenclature changed to TENSION BAR. Hog ring sketch revised.

APPROVED DATE: MARCH 10, 1965

A.S. Bishop
 CHIEF ENGINEER

G.M. Lane
 HIGHWAY ENGINEER

E.W. Bishop
 CONSTRUCTION ENGINEER

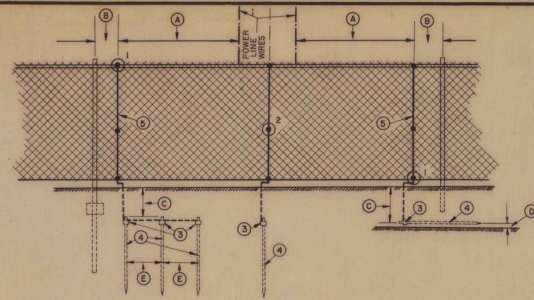
DRAWN BY AJA
 TRACED BY AJA

GALVAN DRIVE GATE
WALK GATE
ALUMINUM DRIVE GATE
WALK GATE

No correct 10/1/70
Richard E. Towns
Changes on new Krolix

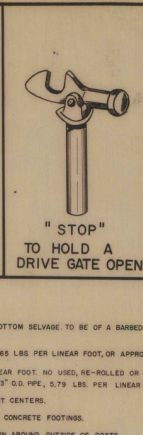
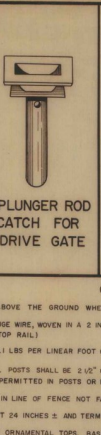
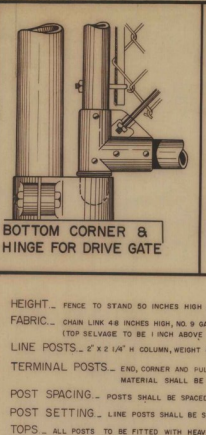
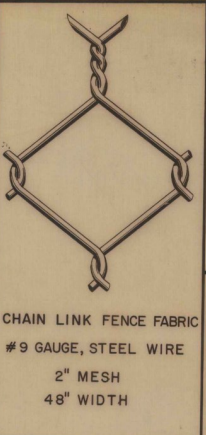
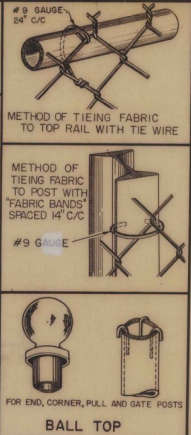
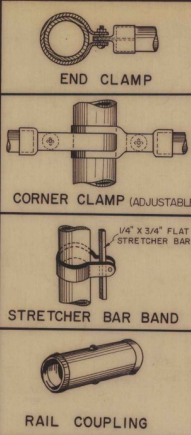
II (TYPE I)
 III (TYPE I)
 (TYPE I)
 E, ITEM 580-II (TYPE I)
 , ITEM 580-III (TYPE I)

VERMONT
 DEPARTMENT OF HIGHWAYS
 STANDARD



- Ⓐ 25'-0" OR TO 1.0' ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 1.0' (± 0.5')
- Ⓒ MINIMUM DISTANCE 1.0' (± 1.0')
- Ⓓ 2.0' (± 0.5')
- Ⓔ MINIMUM DISTANCE 6.0'
- Ⓕ CONNECTOR, SIMILAR TO "PENN UNION" SW, OR G X A
- Ⓖ CONNECTOR, SIMILAR TO "PENN UNION" G X A
- Ⓗ GROUND ROD CLAMP, SIMILAR TO "PENN UNION" GRB OR GP
- Ⓙ COPPER CLAD GROUND ROD 5/8" X 8'-0" COPPER WELD OR EQUIVALENT
- Ⓢ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



GENERAL NOTES

HEIGHT - FENCE TO STAND 50 INCHES HIGH ABOVE THE GROUND WHEN ERECTED.

FABRIC - CHAIN LINK 48 INCHES HIGH, NO. 9 GAUGE WIRE, WOVEN IN A 2 INCH MESH. THE TOP AND BOTTOM SELVAGE TO BE OF A BARBED FINISH. (TOP SELVAGE TO BE 1 INCH ABOVE TOP RAIL)

LINE POSTS - 2" X 1/4" H COLUMN, WEIGHT 4.1 LBS PER LINEAR FOOT OR 2 1/2" O.D. PIPE, WEIGHT 3.65 LBS PER LINEAR FOOT, OR APPROVED EQUIVALENT.

TERMINAL POSTS - END, CORNER AND PULL POSTS SHALL BE 2 1/2" O.D. PIPE, 3.65 LBS PER LINEAR FOOT. NO USED, RE-ROLLED OR OPEN SEAM MATERIAL SHALL BE PERMITTED IN POSTS OR RAILS. GATE POSTS TO BE 3" O.D. PIPE, 5.79 LBS PER LINEAR FOOT.

POST SETTING - POSTS SHALL BE SPACED IN LINE OF FENCE NOT FARTHER APART THAN 10 FOOT CENTERS.

POST SPACING - LINE POSTS SHALL BE SET 24 INCHES ± AND TERMINAL POSTS 30 INCHES ± IN CONCRETE FOOTINGS.

TOPS - ALL POSTS TO BE FITTED WITH HEAVY ORNAMENTAL TOPS. BASE OF TOPS TO CARRY APRON AROUND OUTSIDE OF POSTS.

TOP RAIL - TO BE 1 1/2" O.D. PIPE, WEIGHT 2.27 LBS PER LINEAR FOOT, PROVIDED WITH COUPLINGS APPROXIMATELY EVERY 20 FEET. COUPLINGS TO BE OUTSIDE SLEEVE TYPE AND AT LEAST 7 INCHES LONG; ONE COUPLING IN EVERY FIVE TO CONTAIN A HEAVY SPRING, TO TAKE UP EXPANSION AND CONTRACTION OF TOP RAIL. TOP RAIL TO PASS THROUGH BASE OF LINE POST TOPS AND FORM A CONTINUOUS BRACE FROM END TO END OF EACH STRETCH OF FENCE. TOP RAIL TO BE SECURELY FASTENED TO TERMINAL POSTS BY PRESSED STEEL CONNECTIONS.

FITTINGS - ALL FITTINGS TO BE MALLEABLE, CAST IRON OR PRESSED STEEL.

FABRIC BANDS - FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES WITH FABRIC BANDS SPACED APPROXIMATELY 14 INCHES APART, AND TO TOP RAIL WITH TIE WIRES BRACED APPROXIMATELY 24 INCHES APART. TIE WIRES TO BE OF NO. 9 GAUGE.

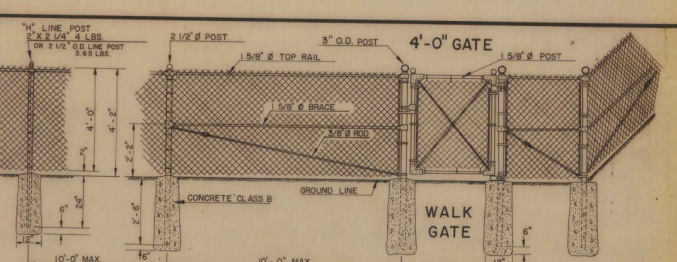
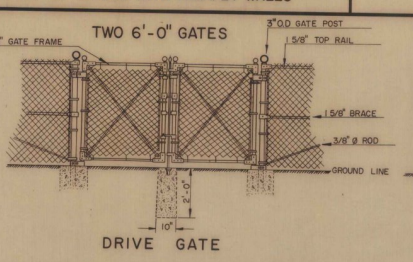
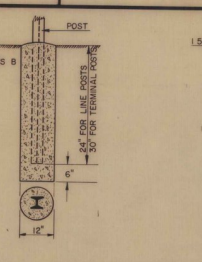
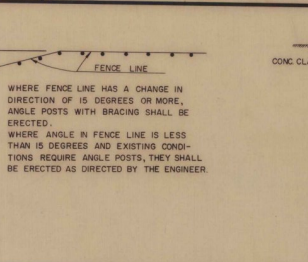
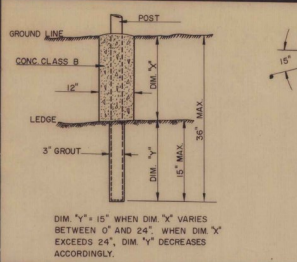
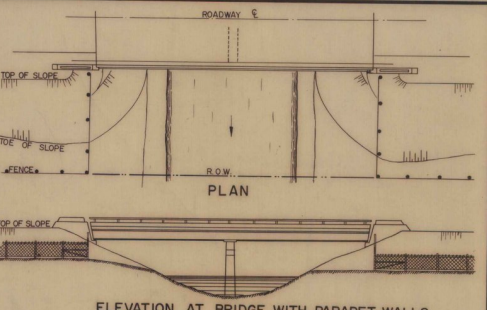
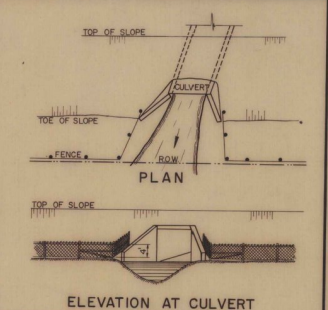
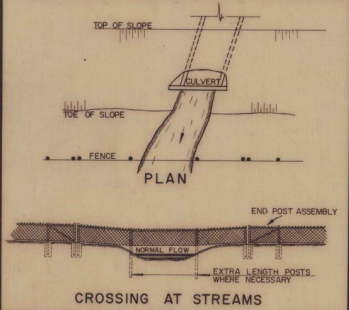
GATES - GATE FRAMES TO BE MADE OF 1 1/2" O.D. PIPE, WEIGHT 2.27 LBS PER LINEAR FOOT. CORNER FITTINGS, HEAVY MALLEABLE CASTINGS. FABRIC ON GATES SAME AS FENCE. GATES TO BE COMPLETE WITH MALLEABLE IRON BALL AND SOCKET HINGES, CATCH, STOPS AND CENTER REST.

BRACE BARS - TO BE 1 1/2" O.D. PIPE.

STRETCHER BARS - TO BE FLAT 1/4" X 3/4"

TIE RODS - THERE SHALL BE A DIAGONAL TIE ROD WITH TURN-BUCKLE AT ALL CORNER, END, GATE AND PULL POSTS OF NOT LESS THAN 3/4" IN DIAMETER. TO BE PLACED FROM THE BOTTOM OF THE CORNER, END AND GATE POSTS, TO THE MID-SECTION OF THE PULL POST. THE ROD SHALL CONFORM TO THE REQUIREMENTS SET FORTH IN GALVANIZATION OF POSTS, FABRIC AND ACCESSORIES.

GALVANIZATION OF POSTS, FABRIC, HARDWARE AND ACCESSORIES - ALL POSTS, BRACES, ACCESSORIES AND HARDWARE SHALL BE ZINC COATED ON ALL INNER AND OUTER SURFACES BY THE HOT DIP PROCESS. BOLTS AND NUTS SHALL BE OF WROUGHT IRON CONFORMING TO A.S.T.M. DESIGNATION A-207 OR OF STRUCTURAL STEEL CONFORMING TO A.S.T.M. DESIGNATION A-7. WASHERS, WHEN REQUIRED, MAY BE OF MALLEABLE IRON, CAST IRON OR CUT STEEL. ALL HARDWARE SHALL BE GALVANIZED IN CONFORMANCE WITH A.S.T.M. DESIGNATION A-153, AND SHALL BE DESIGNED TO DEVELOP THE JOINT STRENGTH. THE ZINC COATING SHALL WEIGH NOT LESS THAN TWO (2) OUNCES PER SQ. FOOT OF ACTUAL SURFACE AND SHALL BE CAPABLE OF WITHSTANDING TWELVE (12) ONE (1) MINUTE DIPS UNDER THE "PREEZE TEST FOR UNIFORMITY OF COATING ON ZINC COATED JOIN OR STEEL ARTICLES A.S.T.M. A-230. THE FABRIC SHALL MEET THE REQUIREMENTS FOR CLASS 2 OF THE CURRENT SPECIFICATIONS FOR ZINC COATED STEEL, CHAIN LINK FABRIC, A.S.T.M. DESIGNATION A-392, SHALL BE GALVANIZED AFTER WEAVING AND SHALL BE CAPABLE OF WITHSTANDING TWELVE (12) ONE (1) MINUTE DIPS UNDER THE "PREEZE TEST FOR UNIFORMITY OF COATING ON ZINC COATED IRON OR STEEL ARTICLES".



REVISIONS AND CORRECTIONS

APPROVED DATE OCT. 9, 1958

H.E. Sargent
CHIEF ENGINEER

G.M. Lane
HIGHWAY ENGINEER

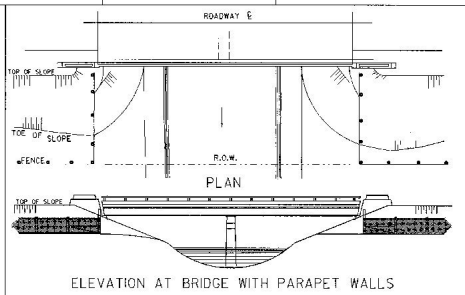
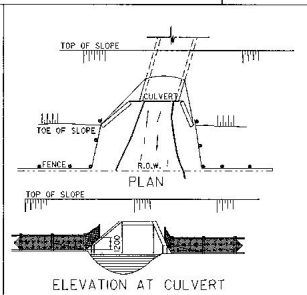
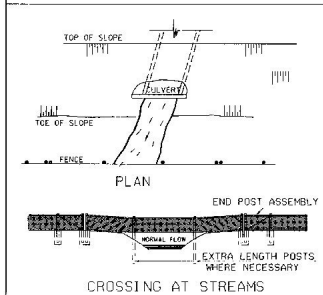
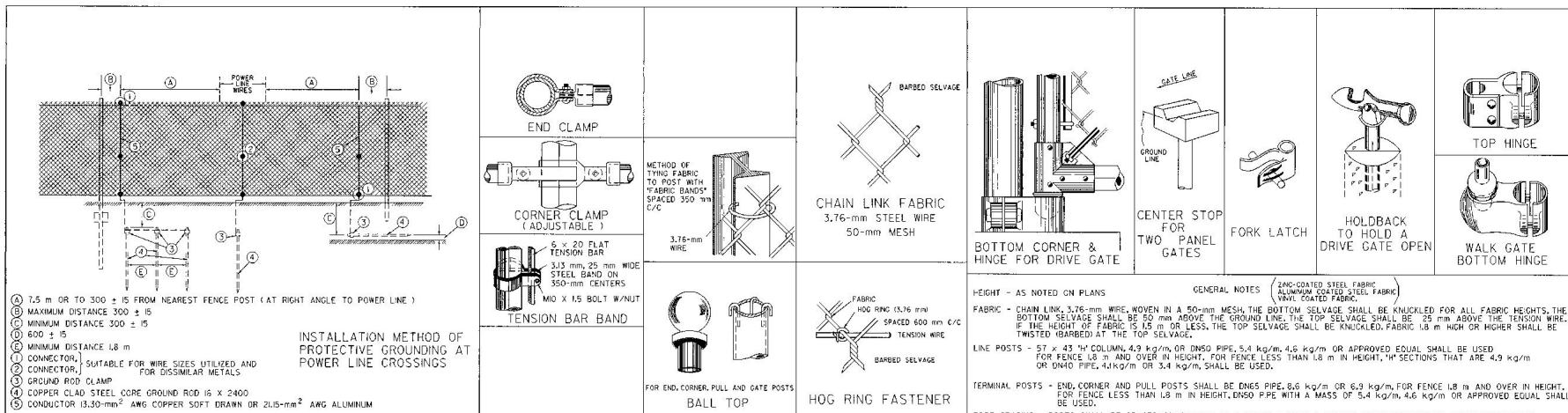
W. M. ...
CONSTRUCTION ENGINEER

DRAWN BY AJA
TRACED BY AJA

CHAIN LINK FENCE, ITEM 584 - A
DRIVE GATE FOR CHAIN LINK FENCE, ITEM 584 - B
WALK GATE FOR CHAIN LINK FENCE, ITEM 584 - C

VERMONT DEPARTMENT OF HIGHWAYS STANDARD

F-2



HEIGHT - AS NOTED ON PLANS

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

FABRIC - CHAIN LINK, 3.76-mm WIRE, WOVEN IN A 50-mm MESH; THE BOTTOM SELVAGE SHALL BE KNUCKLED FOR ALL FABRIC HEIGHTS; THE BOTTOM SELVAGE SHALL BE 50 mm ABOVE THE GROUND LINE; THE TOP SELVAGE SHALL BE 25 mm ABOVE THE TENSION WIRE. IF THE HEIGHT OF FABRIC IS 1.5 m OR LESS, THE TOP SELVAGE SHALL BE KNUCKLED; FABRIC 1.8 m HIGH OR HIGHER SHALL BE TWISTED (BARBED) AT THE TOP SELVAGE.

LINE POSTS - 57 x 43 "H" COLUMN, 4.9 kg/m, OR DN50 PIPE, 5.4 kg/m, 4.6 kg/m OR APPROVED EQUAL SHALL BE USED FOR FENCE 1.8 m AND OVER IN HEIGHT; FOR FENCE LESS THAN 1.8 m IN HEIGHT, "H" SECTIONS THAT ARE 4.9 kg/m OR DN40 PIPE, 4.1 kg/m OR 3.4 kg/m, SHALL BE USED.

TERMINAL POSTS - END, CORNER AND PULL POSTS SHALL BE DN65 PIPE, 8.6 kg/m OR 6.9 kg/m, FOR FENCE 1.8 m AND OVER IN HEIGHT; FOR FENCE LESS THAN 1.8 m IN HEIGHT, DN50 PIPE WITH A MASS OF 5.4 kg/m, 4.6 kg/m OR APPROVED EQUAL SHALL BE USED.

POST SPACING - POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 3 m 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 850 mm IN A 250 mm DIAMETER CYLINDRICAL SHAPED HOLE 1050 mm DEEP, FILLED WITH CONCRETE.

ALL FITTINGS AND HARDWARE SHALL BE AS 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 3.76-mm WIRE.

TRUSS RODS - SHALL BE M10 X 1.5 THREADED DIAGONAL BARS WITH TURNBUCKLE.

BRACE RODS - SHALL BE DN32 PIPE, 3.4 kg/m, 2.7 kg/m OR APPROVED EQUAL.

TENSION BARS - SHALL BE FLAT 6 x 20 BARS WITH SQUARE EDGES.

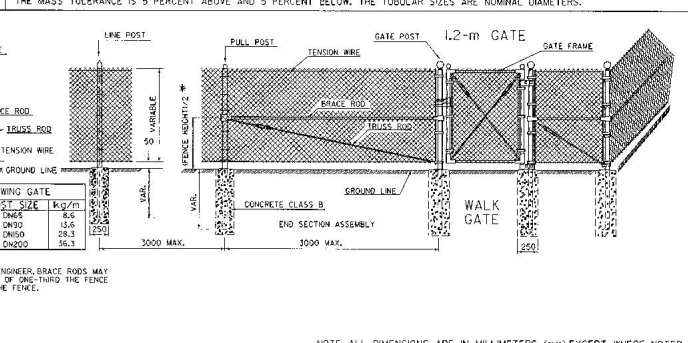
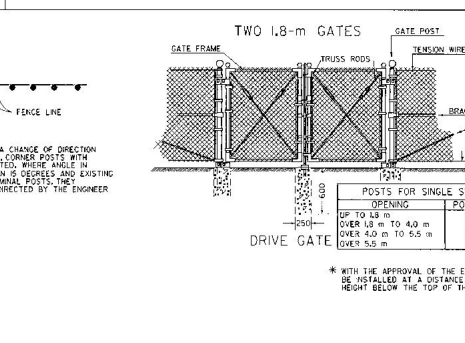
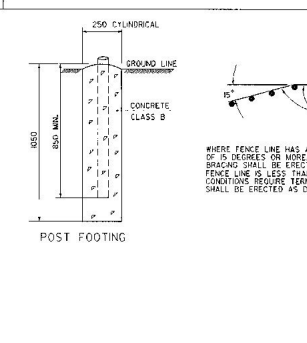
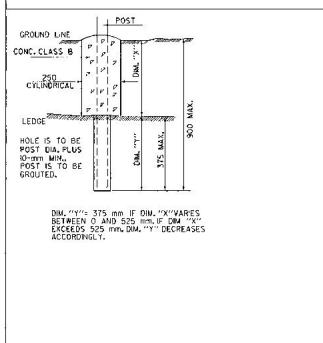
TENSION WIRE - SHALL BE 4.50-mm WIRE ATTACHED 25 mm BELOW TOP SELVAGE AND 50 mm ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF HOG RINGS ON 600-mm CENTERS.

GATES - GATE FRAMES SHALL BE DN40 PIPE OR APPROVED EQUAL ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS FOR FABRIC HEIGHTS 1.8 m AND GREATER.

GATE FRAMES SHALL BE DN32 PIPE OR APPROVED EQUAL ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS FOR FABRIC HEIGHTS LESS THAN 1.8 m.

END SECTION ASSEMBLY - TO BE ERCTED ON A MAXIMUM OF 60 m CENTER TO CENTER.

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



REVISIONS AND CORRECTIONS

JUNE 13, 1957 - ORIGINAL APPROVAL DATE

APPROVED

[Signature]
DIRECTOR OF ENGINEERING

[Signature]
DESIGN ENGINEER

CHAIN LINK FENCE (TYPE 1)

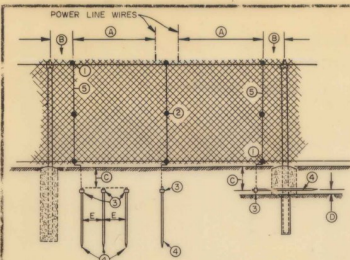
DRIVE GATE FOR CHAIN-LINK FENCE (TYPE 1)

WALK GATE FOR CHAIN-LINK FENCE (TYPE 1)

NOTE: ALL DIMENSIONS ARE IN MILLIMETERS (mm) EXCEPT WHERE NOTED.

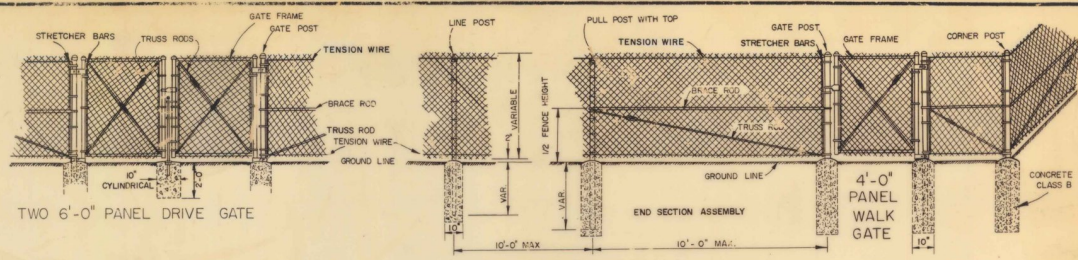
VERMONT AGENCY OF TRANSPORTATION

Metric STANDARD F-2M



- ① 25'-0" OR TO 10' ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- ② MAXIMUM DISTANCE 10' (± 0.5')
- ③ MINIMUM DISTANCE 1.0' (± 1.0')
- ④ 2.0' (± 0.5')
- ⑤ MINIMUM DISTANCE 6.0'
- ⑥ CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ⑦ GROUND ROD CLAMP
- ⑧ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
- ⑨ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS

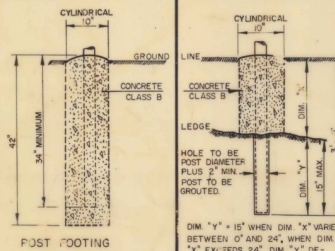


TWO 6'-0" PANEL DRIVE GATE

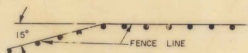
GENERAL NOTES (ALUMINUM ALLOY)

HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, 2" MESH, #9 GAUGE (0.148" DIAMETER) WIRE, TOP AND BOTTOM SELVAGE 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 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 1.800" DIA. NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT AND 2.375" DIA. NOMINAL PIPE FOR FENCE 6'-0" AND OVER.
 TERMINAL POSTS... END, CORNER AND PULL POSTS TO BE 2.375" DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT. FOR FENCE 6'-0" AND OVER IN HEIGHT 2.875" DIAMETER NOMINAL PIPE SHALL BE USED.
 POST SPACING... POSTS SHALL BE SPACED EQUIDISTANT TO 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. THE TUBULAR SIZES ARE NOMINAL.

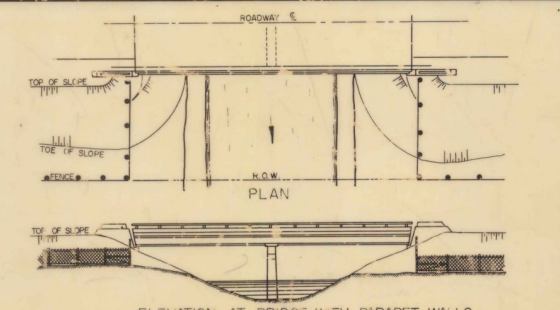
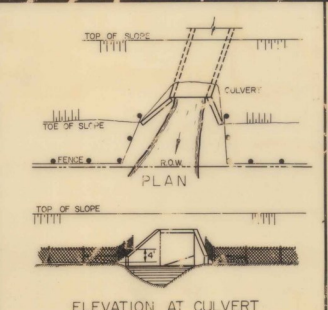
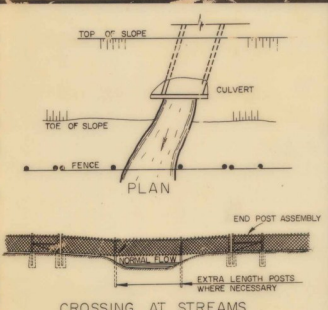
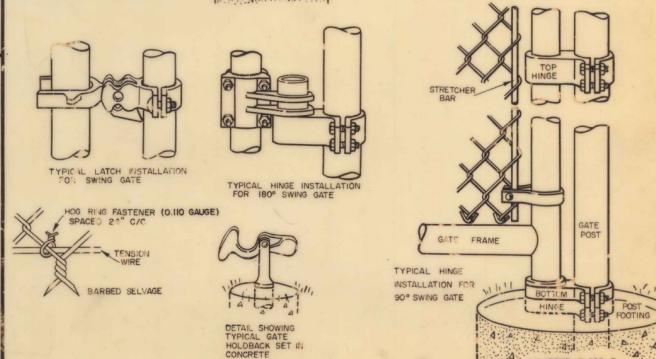
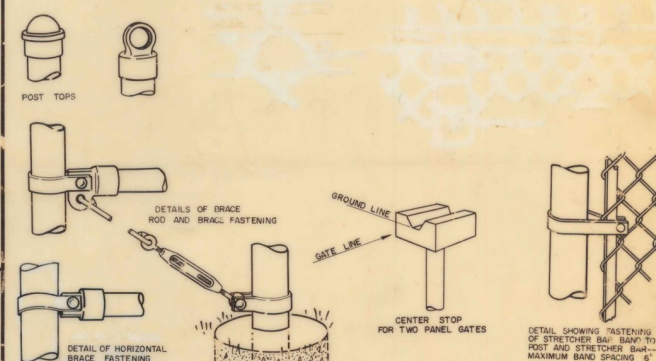
TENSION WIRE... A TENSION WIRE (0.192" DIAMETER) SHALL BE ATTACHED 1" BELOW THE TOP SELVAGE AND 2" ABOVE THE BOTTOM SELVAGE OF FABRIC WITH HOG RING FASTENERS.
 FABRIC TIES... FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES WITH (0.148" DIAM.) WIRE OR THE BANDS.
 TRUSS RODS... TO BE 3/4" DIAMETER (DIAGONAL) BARS WITH TURNBUCKLE.
 BRACE RODS... TO BE 1/2" DIAMETER NOMINAL PIPE SCHEDULE 40.
 STRETCHER BARS... 1/4" X 3/4" FLAT BARS WITH SQUARE EDGES.
 GATES... GATE FRAMES TO BE 1.900" DIAMETER NOMINAL PIPE, SCHEDULE 40, ASSEMBLED BY WELDING, RIVETING, OR POLTING, AND SHALL BE FINISHED COMPLETE WITH FITTINGS. GATE POSTS SHALL BE 2.875" DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR GATE PANELS 6'-0" AND LESS FOR GATE PANELS OVER 6'-0" BUT NOT MORE THAN 13 FEET, POLS 4 IN. DIAMETER, NOMINAL PIPE, SCHEDULE 40, SHALL BE USED.
 END SECTION ASSEMBLY... TO BE ERCTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER.



POST FOOTING



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



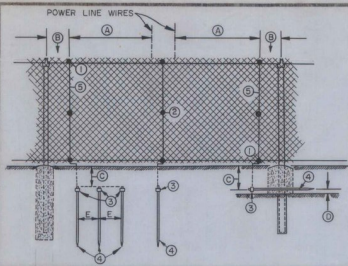
REVISIONS AND CORRECTIONS
 JAN. 10, 1972 LINE POSTS AND TERMINAL POSTS WORDING CHANGED
 FEB. 11, 1979 CHANGE TOP RAIL TO TENSION WIRE

APPROVED DATE: Dec 6, 1971
 Chief Engineer: *Ed Stinchney*
 Asst. Chief Engineer: *W. M. Lane*
 Highway Engineer

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

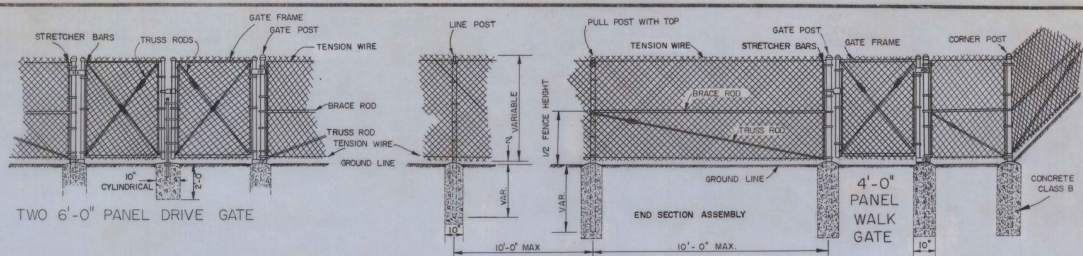


STANDARD
 F-3



- (A) 25'-0" OR TO 10' ± 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'
- (F) CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- (G) GROUND ROD CLAMP
- (H) COPPER CLAD STEEL CORE GROUND ROD 5/8" x 8'-0"
- (I) CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



TWO 6'-0" PANEL DRIVE GATE

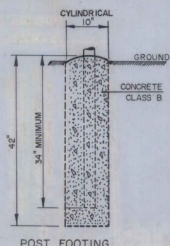
END SECTION ASSEMBLY

4'-0" PANEL WALK GATE

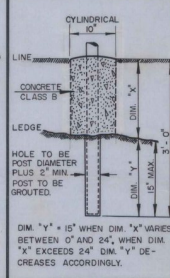
CONCRETE CLASS B

GENERAL NOTES (ALUMINUM ALLOY)

HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, 2" MESH, #9 GAUGE (0.148" DIAMETER) WIRE, TOP AND BOTTOM SELVAGE SHALL BE BARBED. BOTTOM SELVAGE SHALL BE 2" ABOVE THE GROUND LINE, TOP SELVAGE SHALL BE 1" ABOVE THE TOP RAIL, WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 1.900" DIA. NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT AND 2.375" DIA. NOMINAL PIPE FOR FENCE 6'-0" AND OVER.
 TERMINAL POSTS... END, CORNER AND PULL POSTS TO BE 2.375" DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT. FOR FENCE 6'-0" AND OVER IN HEIGHT 2.875" DIAMETER NOMINAL PIPE 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 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. THE TUBULAR SIZES ARE NOMINAL.

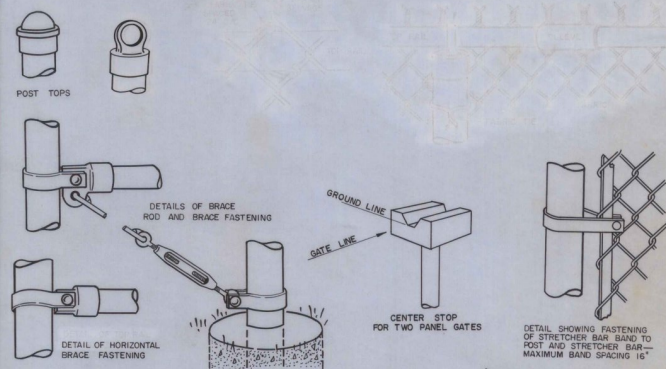


POST FOOTING



DETAILS OF POST FOOTING

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.



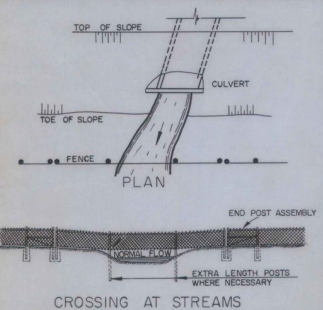
DETAILS OF BRACE ROD AND BRACE FASTENING

DETAIL OF HORIZONTAL BRACE FASTENING

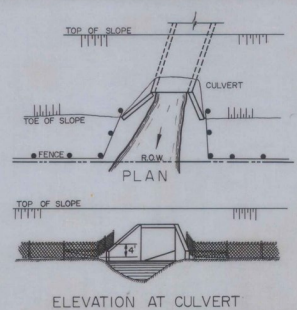
CENTER STOP FOR TWO PANEL GATES

DETAIL SHOWING FASTENING OF STRETCHER BAR BAND TO POST AND STRETCHER BAR—MAXIMUM BAND SPACING 16"

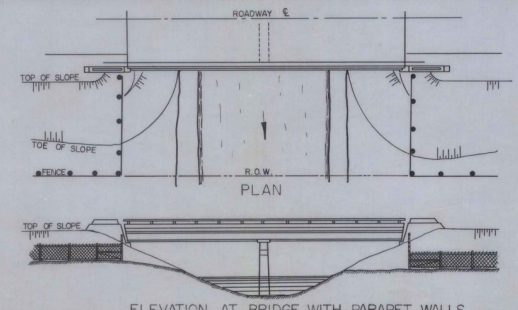
TENSION WIRE... A TENSION WIRE (0.192" DIAMETER) SHALL BE ATTACHED 1" BELOW THE TOP SELVAGE AND 2" ABOVE THE BOTTOM SELVAGE OF FABRIC TIES... FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES WITH (0.148" DIAM.) WIRE OR TIE BANDS.
 TRUSS RODS... TO BE 3/8" DIAMETER (DIAGONAL) BARS WITH TURNBUCKLE.
 BRACE RODS... TO BE 1.660" DIAMETER NOMINAL PIPE SCHEDULE 40.
 STRETCHER BARS... 1/4" x 3/4" FLAT BARS WITH SQUARE EDGES.
 GATES... GATE FRAMES TO BE 1.900" DIAMETER NOMINAL PIPE, SCHEDULE 40, ASSEMBLED BY WELDING, RIVETING, OR BOLTING, AND SHALL BE FURNISHED COMPLETE WITH FITTINGS. GATE POSTS SHALL BE 2.875" DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR GATE PANELS 6'-0" AND LESS FOR GATE PANELS OVER 6'-0" BUT NOT MORE THAN 13 FEET, POSTS 4 IN. DIAMETER, NOMINAL PIPE, SCHEDULE 40, SHALL BE USED.
 END SECTION ASSEMBLY... TO BE ERECTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER



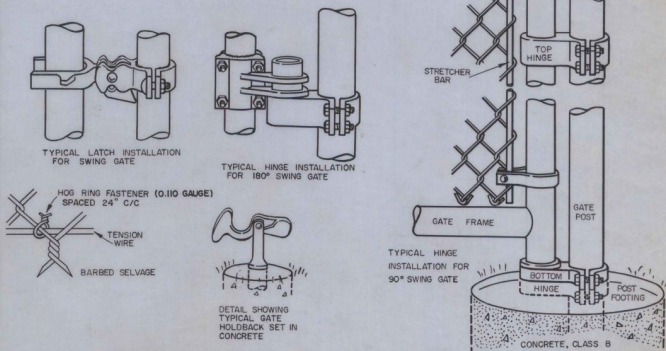
CROSSING AT STREAMS



ELEVATION AT CULVERT



ELEVATION AT BRIDGE WITH PARAPET WALLS



TYPICAL LATCH INSTALLATION FOR SWING GATE

TYPICAL HINGE INSTALLATION FOR 180° SWING GATE

TYPICAL HINGE INSTALLATION FOR 90° SWING GATE

DETAIL SHOWING TYPICAL GATE HOLDBACK SET IN CONCRETE

CONCRETE, CLASS B

REVISIONS AND CORRECTIONS
 JAN. 10, 1972 LINE POSTS AND TERMINAL POSTS WORDING CHANGED.
 FEB. 1, 1979 CHANGE TOP RAIL TO TENSION WIRE

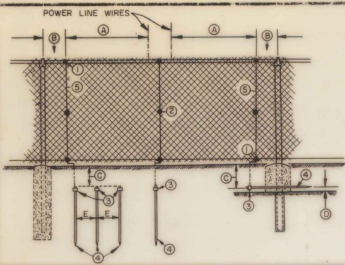
APPROVED DATE Dec 9, 1971
 Chief Engineer
 Asst. Chief Engineer
 Highway Engineer

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



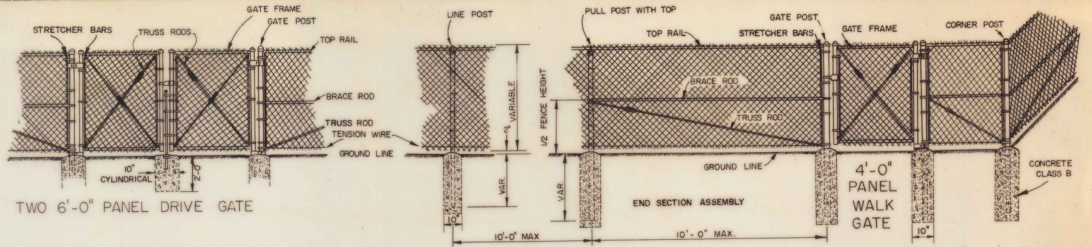
STANDARD

F-3



- Ⓐ 25'-0" OR TO 10' ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 10' (± 0.5')
- Ⓒ MINIMUM DISTANCE 10' (± 1.0')
- Ⓓ 2.0' (± 0.5')
- Ⓔ MINIMUM DISTANCE 6.0'
- Ⓕ CONNECTOR } SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- Ⓖ CONNECTOR }
- Ⓗ GROUND ROD CLAMP
- Ⓘ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
- Ⓚ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



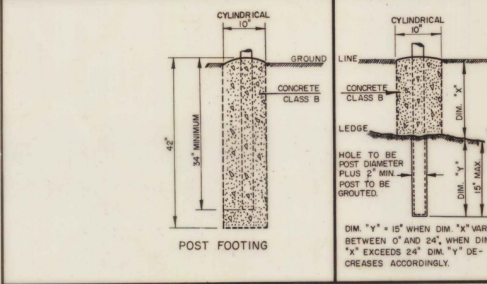
TWO 6'-0" PANEL DRIVE GATE

4'-0" PANEL WALK GATE

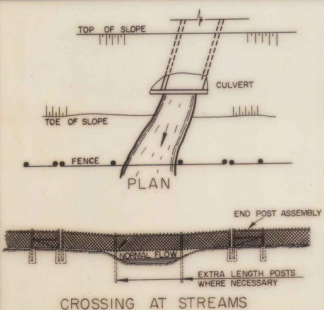
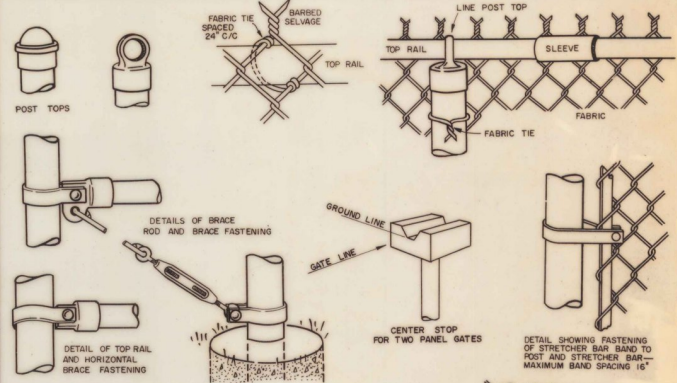
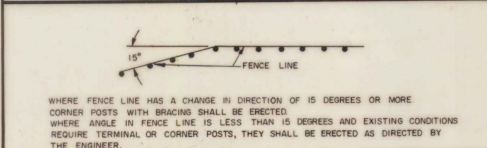
GENERAL NOTES

HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, 2" MESH, #9 GAUGE (0.148" DIAMETER) WIRE, TOP AND BOTTOM SELVAGE SHALL BE BARBED. BOTTOM SELVAGE SHALL BE 2" ABOVE THE GROUND LINE, TOP SELVAGE SHALL BE 1" ABOVE THE TOP RAIL WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNUCKLED.
 LINE POSTS... 1 1/2" DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT AND 2" DIAM. NOMINAL PIPE FOR FENCE 6'-0" AND OVER.
 TERMINAL POSTS... END, CORNER AND PULL POSTS TO BE 2 IN. DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR FENCE LESS THAN 6'-0" IN HEIGHT. FOR FENCE 6'-0" AND OVER IN HEIGHT 2 1/2" DIAMETER NOMINAL PIPE 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 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.
 THE TUBULAR SIZES ARE NOMINAL.

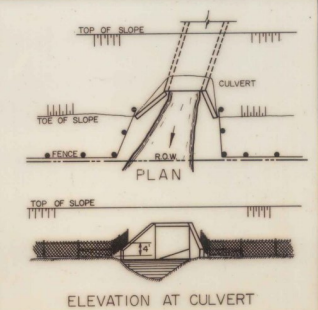
TOP RAIL... TOP RAILS TO BE 1 1/4" DIAMETER NOMINAL PIPE, SCHEDULE 40
 EXPANSION SLEEVES... SHALL BE 6" LONG, 1.690" I.D., SPACED APPROXIMATELY EVERY 20 FEET.
 TENSION WIRE... A TENSION WIRE (0.192" DIAMETER) SHALL BE ATTACHED 2" ABOVE THE BOTTOM SELVAGE OF FABRIC WITH HOG RING FASTENERS.
 FABRIC TIES... FABRIC TO BE FASTENED TO TOP RAIL, POSTS AND GATE FRAMES WITH (0.148" DIAM.) WIRE OR TIE BANDS.
 TRUSS RODS... TO BE 3/8" DIAMETER (DIAGONAL) BARS WITH TURNBUCKLE.
 BRACE RODS... TO BE 1 1/4" DIAMETER NOMINAL PIPE SCHEDULE 40.
 STRETCHER BARS... 1/4" X 3/4" FLAT BARS WITH SQUARE EDGES.
 GATES... GATE FRAMES TO BE 1 1/2" DIAMETER NOMINAL PIPE, SCHEDULE 40, ASSEMBLED BY WELDING, RIVETING, OR BOLTING, AND SHALL BE FURNISHED COMPLETE WITH FITTINGS. GATE POSTS SHALL BE 2 IN. DIAMETER NOMINAL PIPE, SCHEDULE 40, FOR GATE PANELS 6'-0" AND LESS FOR GATE PANELS OVER 6'-0" BUT NOT MORE THAN 13 FEET, POSTS 3 IN. DIAMETER, NOMINAL PIPE, SCHEDULE 40, SHALL BE USED.
 END SECTION ASSEMBLY... TO BE ERRECTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER



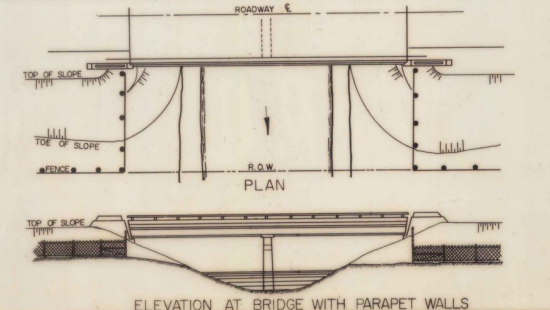
POST FOOTING



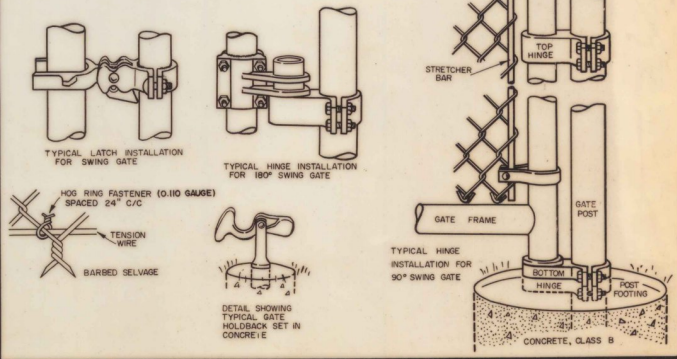
CROSSING AT STREAMS



ELEVATION AT CULVERT



ELEVATION AT BRIDGE WITH PARAPET WALLS



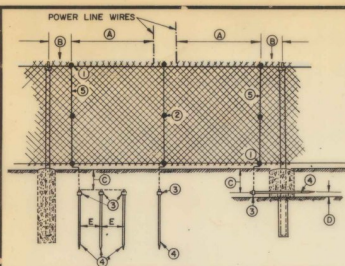
REVISIONS AND CORRECTIONS
 MAY 10, 1961 - DIAMETERS OF LINE, TERMINAL AND GATE POSTS CHANGED.
 MARCH 1, 1965 - ITEMS 1, 2 AND 4 OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS CHANGED.
 LAST LINE OF GENERAL NOTES ADDED.
 AUG. 4, 1965 - BREAKPOINT OF WEIGHT OF LINE POSTS REVISED.
 MARCH 23, 1967 - GENERAL NOTES AND POST FOOTINGS CHANGED.
 MAY 26, 1967 - LAST SENTENCE IN PARAGRAPH REFERRING TO FABRIC HAS BEEN ADDED.

APPROVED DATE: MARCH 10 1965
 A.O. Bishop
 CHIEF ENGINEER
 G.M. Lane
 HIGHWAY ENGINEER
 E.W. Stebbins
 CONSTRUCTION ENGINEER

ALUMINUM ALLOY CHAIN-LINK FENCE, ITEM 582-1
 DRIVE GATE FOR ALUMINUM ALLOY CHAIN-LINK FENCE, ITEM 582-II
 WALK GATE FOR ALUMINUM ALLOY CHAIN-LINK FENCE, ITEM 582-III

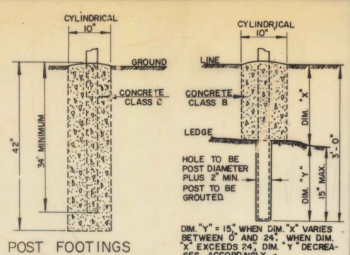
VERMONT
 DEPARTMENT
 OF HIGHWAYS
 STANDARD
 F-3

DRAWN BY AJA
 TRACED BY AJA

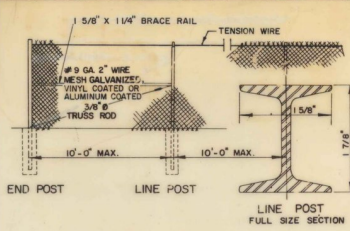


- (A) 25'-0" OR TO 10' ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- (B) MAXIMUM DISTANCE 1.0' (± 0.5')
- (C) MINIMUM DISTANCE 1.0' (± 1.0')
- (D) 2.0' (± 0.5')
- (E) MINIMUM DISTANCE 6.0'
- (F) CONNECTOR - SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- (G) GROUND ROD CLAMP
- (H) COPPER CLAD STEEL CORN' GROUND ROD 5/8" X 8'-0"
- (I) CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN O.1 NO. 4 AWG ALUMINUM

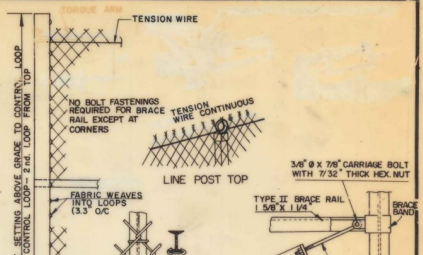
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



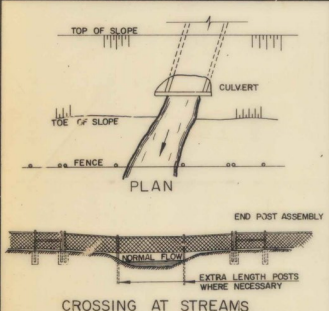
POST FOOTINGS



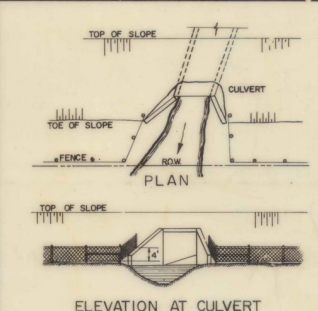
LINE POST FULL SIZE SECTION



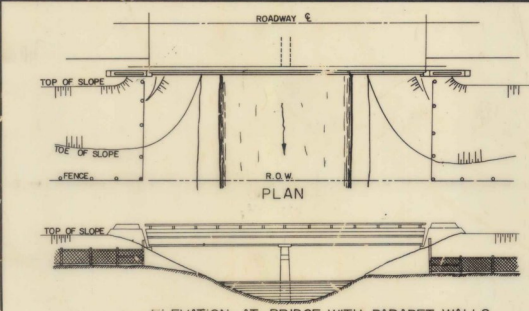
TERMINAL POST



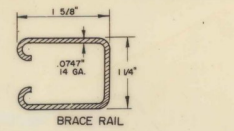
CROSSING AT STREAMS



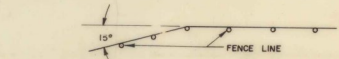
ELEVATION AT CULVERT



ELEVATION AT BRIDGE WITH PARAPET WALLS



BRACE RAIL



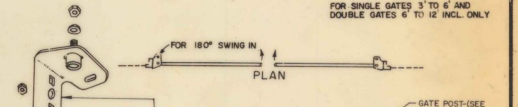
FENCE LINE

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.

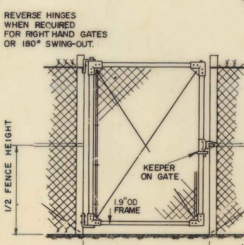
ASSEMBLED TO FIT IN SHIP



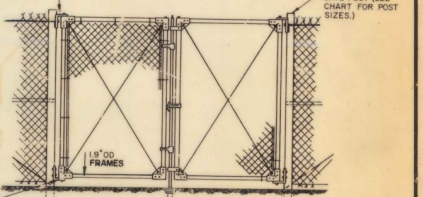
2-FORK ENDS



TOP HINGE



TYPICAL SINGLE GATE ELEVATION FROM OUTSIDE LEFT HAND GATE SHOWN



TYPICAL DOUBLE GATE ELEVATION FROM OUTSIDE

OPENING	POST SIZE	W/T/L
UP TO 6'	3 1/2" x 3 1/2"	5 1/4 lbs.
OVER 6' TO 12'	4" O.D.	9 1/4 lbs.
OVER 12' TO 18'	4 1/2" O.D.	18 1/2 lbs.
OVER 18'	5 1/2" O.D.	24 1/2 lbs.

* Roll formed section

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

HEIGHT... AS NOTED ON PLANS

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

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

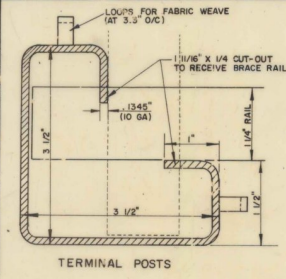
TERMINAL POSTS... SEE DRAWINGS

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

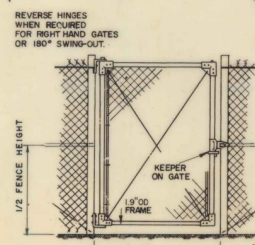
POST FOOTINGS... ALL POSTS SHALL BE SET TO A DEPTH OF TWO (2) FEET 10 INCHES IN A 10" CYLINDRICAL SHAPE HOLE 3'-6" DEEP FILLED WITH CONCRETE. ALL FITTINGS AND HARDWARE SHALL BE AS SHOWN ON THIS SHEET OR EQUAL.

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

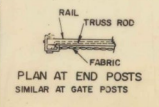
GATE FRAMES... SHALL BE 1 3/4" O.D. PIPE CONNECTED WITH FITTINGS AS SHOWN AT EACH CORNER. EACH FRAME HAS 5/8" DIAMETER ADJUSTABLE TRUSS RODS. GATES HAVE POSITIVE TYPE LATCHING DEVICES WITH PROVISIONS FOR PADLOCKING, AND DRIVE GATES HAVE A CENTER PLUNGER ROD, CATCH AND SEMI-AUTOMATIC OUTER CATCHES.



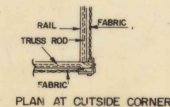
TERMINAL POSTS



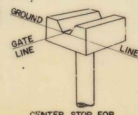
TYPICAL SINGLE GATE ELEVATION FROM OUTSIDE LEFT HAND GATE SHOWN



PLAN AT END POSTS SIMILAR AT GATE POSTS



PLAN AT OUTSIDE CORNER



CENTER STOP FOR TWO PANEL GATES



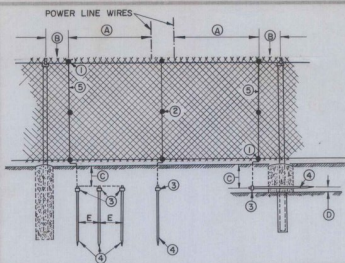
BOTTOM HINGE USE 1 BOLT & NUT

REVISIONS AND CORRECTIONS
 JULY 28, 1975 - VINYL COATED FABRIC ADDED
 FEBRUARY 1, 1978 - CHANGE TOP RAIL TO TENSION WIRE
 MARCH 19, 1979 - TORQUE ARM DETAILS REMOVED

APPROVED Dec 6, 1971
 R. W. Crowell
 CHIEF ENGINEER
 E. H. Stinchey
 ASST. CHIEF ENGINEER
 L. M. Lane
 HIGHWAY ENGINEER

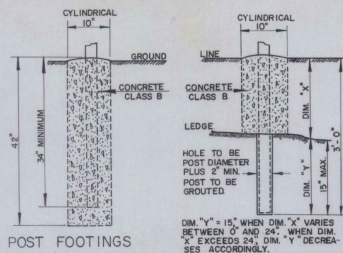
CHAIN-LINK FENCE (TYPE II)
 DRIVE GATE FOR CHAIN-LINK FENCE (TYPE II)
 WALK GATE FOR CHAIN-LINK FENCE (TYPE II)

VERMONT AGENCY OF TRANSPORTATION
 VERMONT DEPARTMENT OF HIGHWAYS
 STANDARD
 F-4

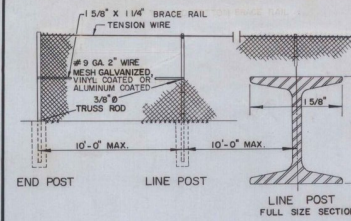


- (A) 25'-0" or to 10'±0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- (B) MAXIMUM DISTANCE 10' (±0.5')
- (C) MINIMUM DISTANCE 1.0' (±1.0')
- (D) 2.0' (±0.5')
- (E) MINIMUM DISTANCE 6.0'
- (F) CONNECTOR } SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- (G) CONNECTOR J
- (H) GROUND ROD CLAMP
- (I) COPPER CLAD STEEL CORE GROUND ROD 5/8" x 8'-0"
- (J) CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

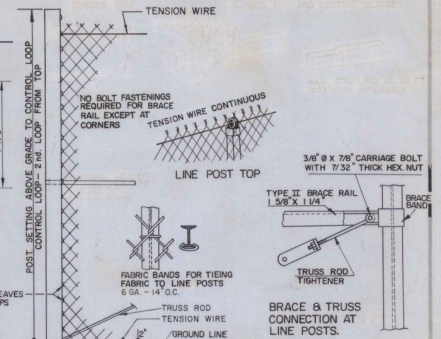
INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



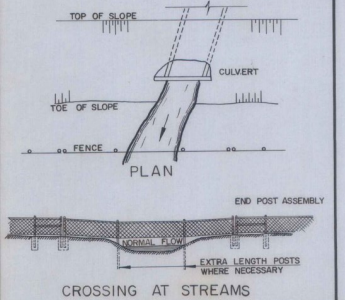
POST FOOTINGS



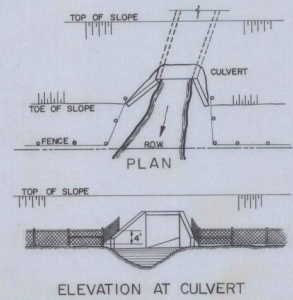
END POST LINE POST FULL SIZE SECTION



TERMINAL POST BRACE & TRUSS CONNECTION AT LINE POSTS.



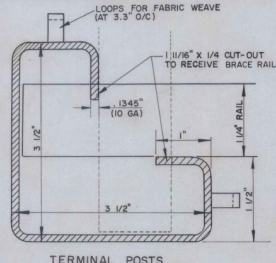
CROSSING AT STREAMS ELEVATION AT CULVERT



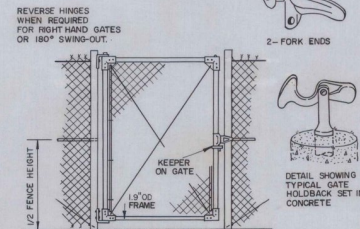
ELEVATION AT BRIDGE WITH PARAPET WALLS

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

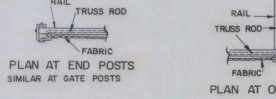
HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, 2" MESH, #9 GAUGE (0.148" DIAMETER) WIRE, TOP AND BOTTOM SELVAGE SHALL BE BARBED. BOTTOM SELVAGE SHALL BE 2" ABOVE THE GROUND LINE, TOP SELVAGE SHALL BE 1" ABOVE THE TENSION WIRE. WHERE FENCE HEIGHT IS 4 FT. THE TOP EDGE SHALL BE UNKICKLED.
 LINE POSTS... 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 3/4" O.D. WIRE CONNECTED WITH FITTINGS AND NUTTED 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.



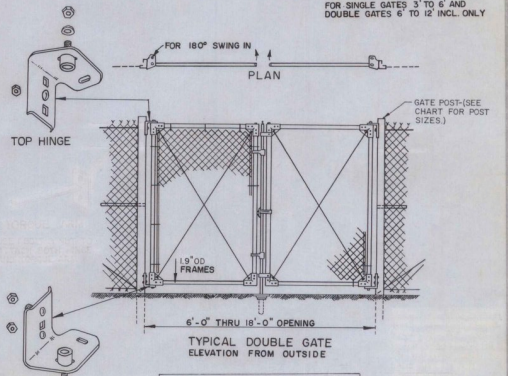
TERMINAL POSTS



REVERSE HINGES WHEN REQUIRED FOR RIGHT HAND GATES OR 180° SWING-OUT.



RAIL TRUSS ROD FABRIC PLAN AT END POSTS SIMILAR AT GATE POSTS RAIL TRUSS ROD FABRIC PLAN AT OUTSIDE CORNER



POSTS FOR SINGLE SWING GATE		
OPENING	POST SIZE	WT/L.F.
UP TO 8'	3 1/2" x 3/2"	5.14 lbs.
OVER 8 TO 15'	4" x 3"	9.11 lbs.
OVER 15 TO 18'	6% O.D.	18.97 lbs.
OVER 18'	8% O.D.	24.72 lbs.

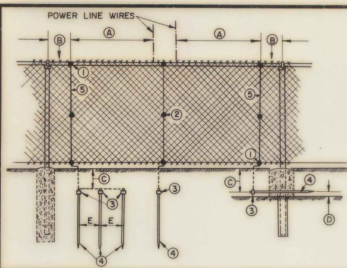
* Roll formed section

REVISIONS AND CORRECTIONS
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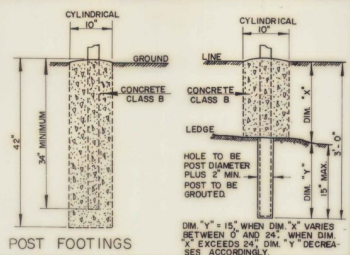
CHAIN-LINK FENCE (TYPE II)
 DRIVE GATE FOR CHAIN-LINK FENCE (TYPE II)
 WALK GATE FOR CHAIN-LINK FENCE (TYPE II)

VERMONT AGENCY OF TRANSPORTATION
 STANDARD
 F-4

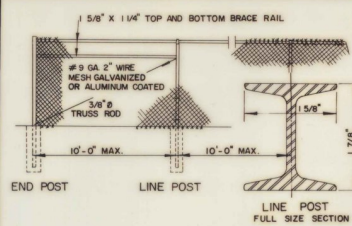


- ① 25'-0" OR TO 10' ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- ② MAXIMUM DISTANCE 1.0' (± 0.5')
- ③ MINIMUM DISTANCE 1.0' (± 1.0')
- ④ 2.0' (± 0.5')
- ⑤ MINIMUM DISTANCE 6.0'
- ⑥ CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ⑦ GROUND ROD CLAMP
- ⑧ COPPER CLAD STEEL CORE GROUND ROD 5/8" x 6'-0"
- ⑨ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



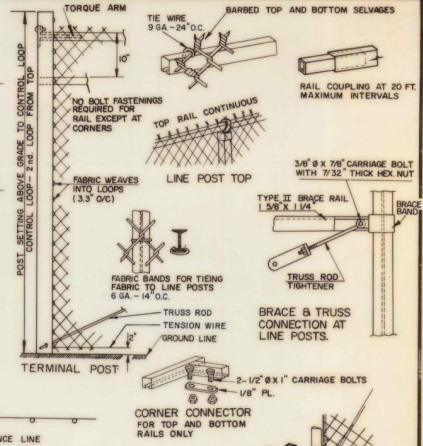
POST FOOTINGS



END POST

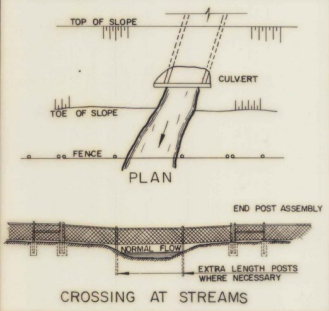
LINE POST

LINE POST FULL SIZE SECTION

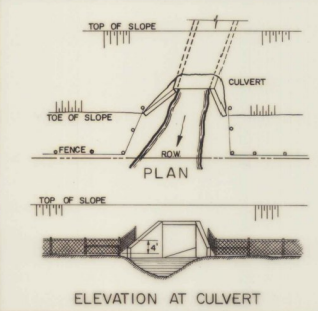


TERMINAL POST

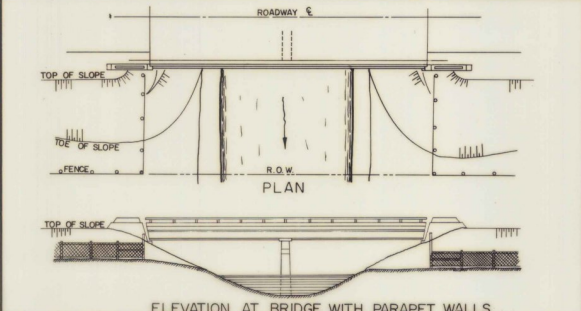
HINGE DETAIL FOR SINGLE GATES 3' TO 6' AND DOUBLE GATES 6' TO 12' INCL ONLY



CROSSING AT STREAMS



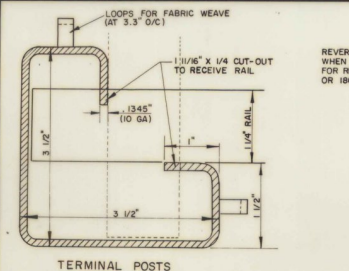
ELEVATION AT CULVERT



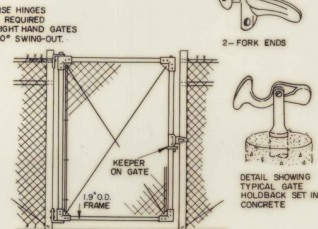
ELEVATION AT BRIDGE WITH PARAPET WALLS

GENERAL NOTES

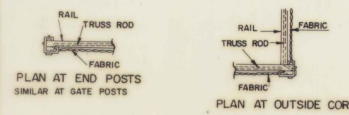
HEIGHT... AS NOTED ON PLANS
 FABRIC... CHAIN LINK, 2" MESH, #9 GAUGE (0.140" DIAMETER) WIRE, TOP AND BOTTOM SELVAGE SHALL BE BARBED. BOTTOM SELVAGE SHALL BE 2" ABOVE THE GROUND LINE, TOP SELVAGE SHALL BE 1" ABOVE THE TOP RAIL. WHERE FENCE IS 4 FT. THE TOP EDGE SHALL BE KNOBBLED.
 LINE POSTS... 1 7/8" 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 (24" 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 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 KEY, CATCH AND SEMI-AUTOMATIC OUTER CATCHES.



TERMINAL POSTS

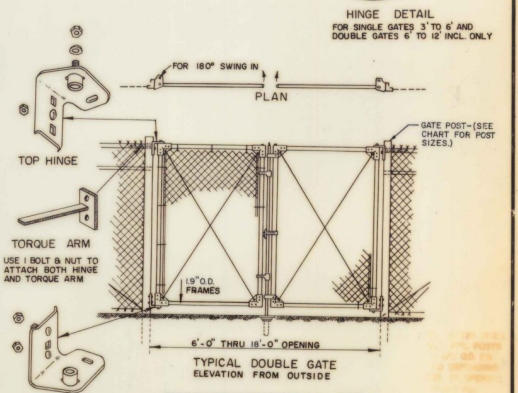


TYPICAL SINGLE GATE ELEVATION FROM OUTSIDE LEFT HAND GATE SHOWN



PLAN AT END POSTS SIMILAR AT GATE POSTS

PLAN AT OUTSIDE CORNER



TYPICAL DOUBLE GATE ELEVATION FROM OUTSIDE

POSTS FOR SWING GATES		
OPENING	POST SIZE	WGT./LF.
UP TO 6'	3 1/2" x 3/4"	5.14 lbs.
OVER 6' TO 15'	4" O.D.	9.11 lbs.
OVER 15' TO 18'	6 5/8" O.D.	18.97 lbs.
OVER 18'	8 5/8" O.D.	24.70 lbs.

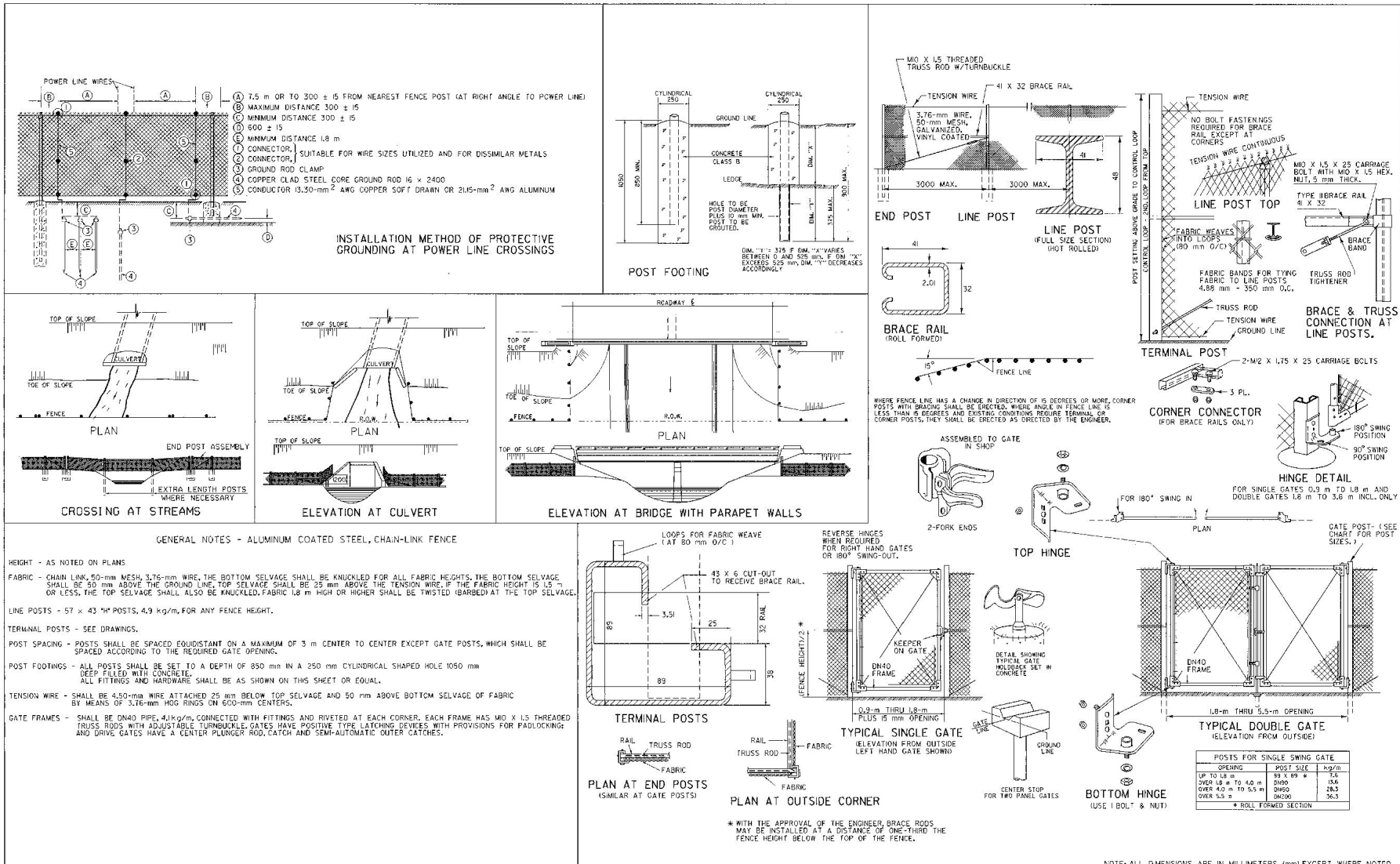
* Rail formed section.

REVISIONS AND CORRECTIONS
 Sept. 16, 1970 - Gate frame note and post size table added. Tension wire note added. The wire and fabric band wire gauge and spacing noted.

APPROVED OCT. 3, 1969
 R. L. Crowl
 CHIEF ENGINEER
 E. H. O'Leary
 ASST. CHIEF ENGINEER
 G. M. Lane
 HIGHWAY ENGINEER
 Construction Engineer

GALVANIZED CHAIN-LINK FENCE, ITEM 581-I (TYPE II)
DRIVE GATE FOR GALVANIZED CHAIN-LINK FENCE, ITEM 581-II (TYPE II)
WALK GATE FOR GALVANIZED CHAIN-LINK FENCE, ITEM 581-III (TYPE II)
ALUMINUM COATED STEEL CHAIN-LINK FENCE, ITEM 580-I (TYPE II)
DRIVE GATE FOR ALUMINUM COATED STEEL CHAIN-LINK FENCE, ITEM 580-II (TYPE II)
WALK GATE FOR ALUMINUM COATED STEEL CHAIN-LINK FENCE, ITEM 580-III (TYPE II)

VERMONT DEPARTMENT OF HIGHWAYS STANDARD
F-4



REVISIONS AND CORRECTIONS

JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED

[Signature]
 DIRECTOR OF ENGINEERING

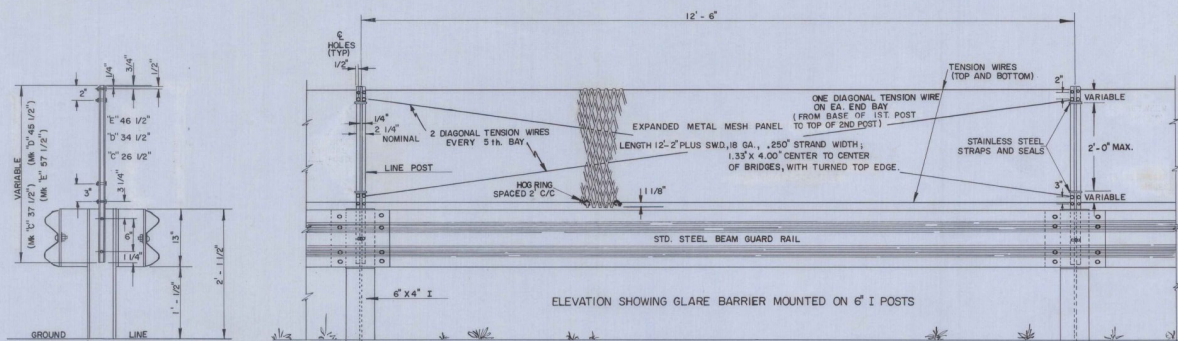
[Signature]
 DESIGN ENGINEER

CHAIN LINK FENCE, TYPE II

DRIVE GATE FOR CHAIN-LINK FENCE, TYPE II

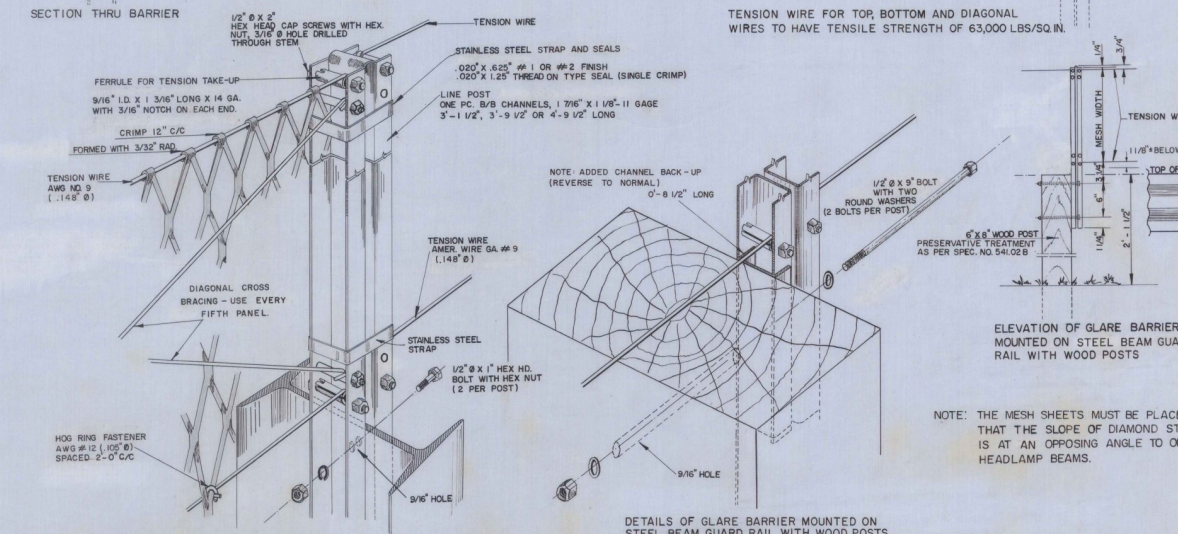
WALK GATE FOR CHAIN-LINK FENCE, TYPE II





SECTION THRU BARRIER

ELEVATION SHOWING GLARE BARRIER MOUNTED ON 6" I POSTS



TENSION WIRE FOR TOP, BOTTOM AND DIAGONAL WIRES TO HAVE TENSILE STRENGTH OF 63,000 LBS./SQ. IN.

ELEVATION OF GLARE BARRIER MOUNTED ON STEEL BEAM GUARD RAIL WITH WOOD POSTS

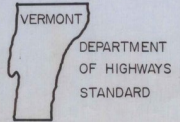
DETAILS OF GLARE BARRIER MOUNTED ON STEEL BEAM GUARD RAIL WITH WOOD POSTS

NOTE: THE MESH SHEETS MUST BE PLACED SO THAT THE SLOPE OF DIAMOND STRAND IS AT AN OPPOSING ANGLE TO ONCOMING HEADLAMP BEAMS.

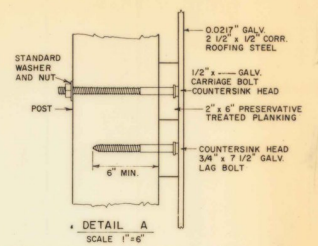
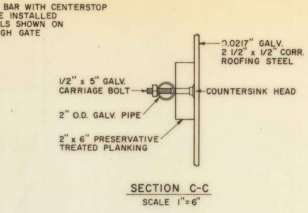
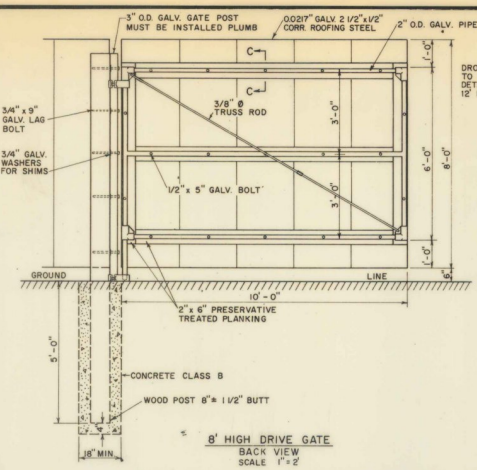
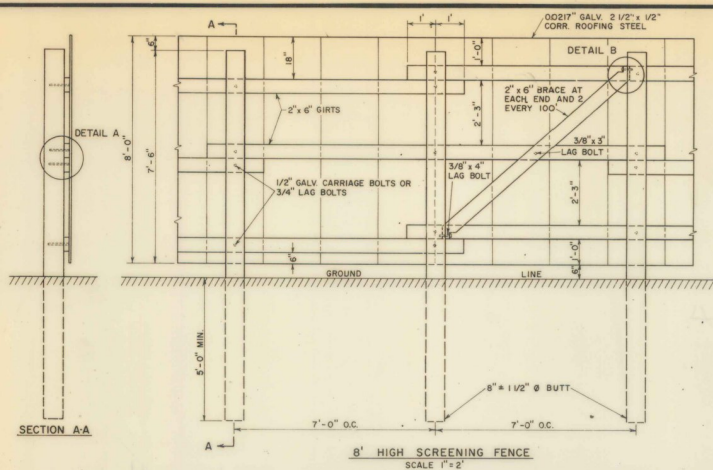
REVISIONS AND CORRECTIONS

APPROVED
 1/19/70
 DATE
 R. H. Curran
 CHIEF ENGINEER
 W. W. Lane
 HIGHWAY ENGINEER
 Construction Engineer
 Traffic Engineer

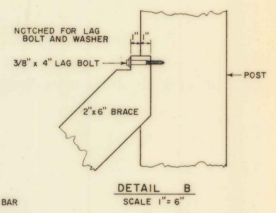
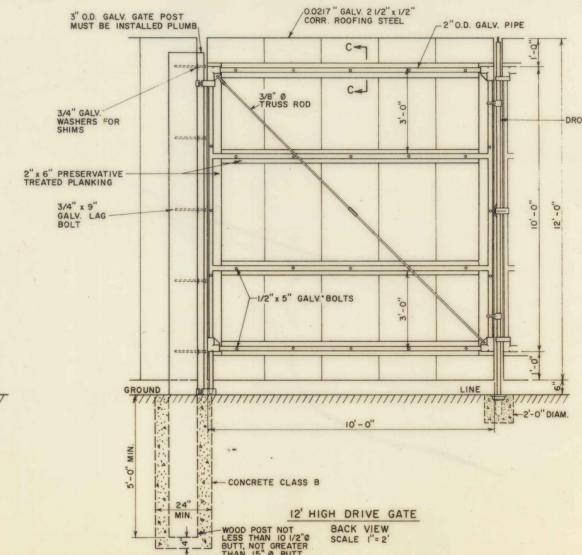
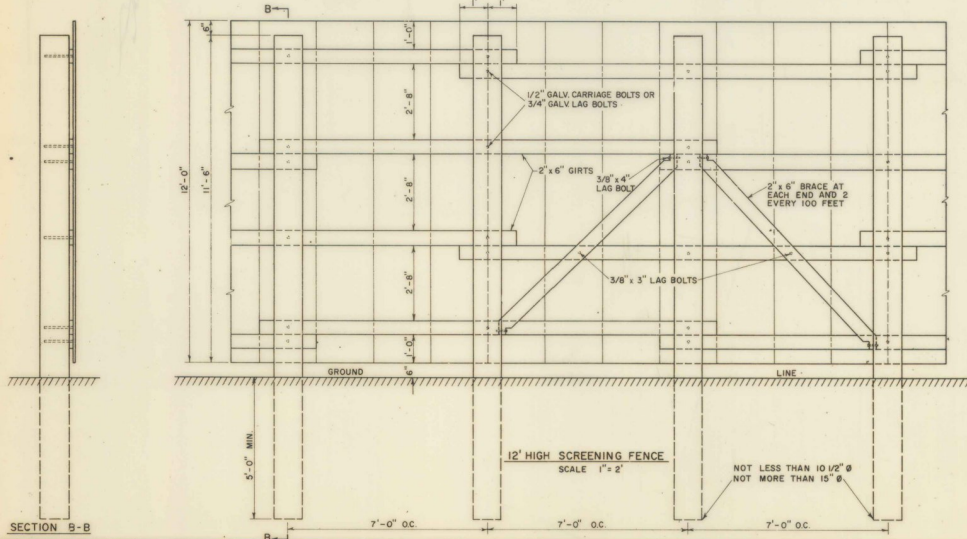
GLARE BARRIER, ITEM 577



F-5



USE OF GALVANIZED LAG BOLT OR GALVANIZED CARRIAGE BOLT TO BE AT CONTRACTOR'S OPTION IN ATTACHING GRITS TO POSTS.



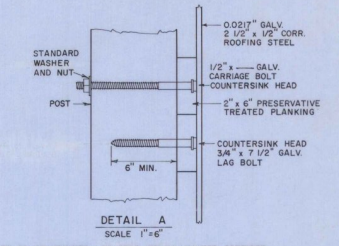
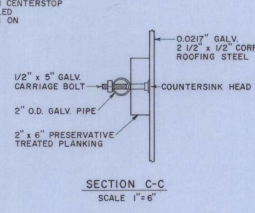
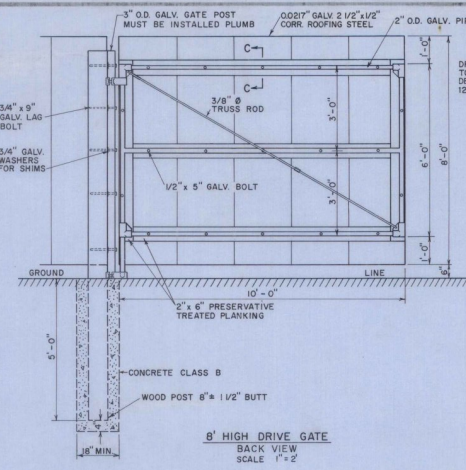
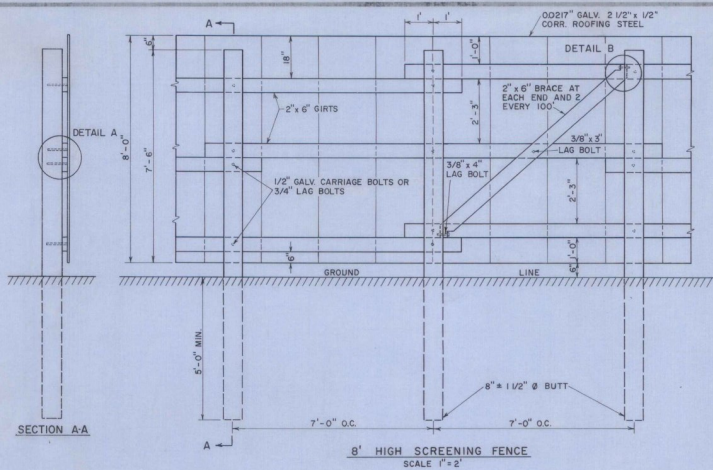
- NOTES
- REFER TO STANDARD SHEET F-1 FOR INSTALLATION METHOD OF PROTECTIVE GROUND AT POWER LINE CROSSING.
 - THE FABRIC SHALL BE ATTACHED WITH ALL SHEETS BEING PLUMB.
 - FABRIC SHALL BE FASTENED TO THE 2" x 6" BRACE WITH 4" GALVANIZED ROOFING NAILS ON 5" CENTERS ON TOP AND BOTTOM GIRTS. INTERIOR GIRTS SHALL BE NAILED ON A MAXIMUM OF 7 1/2" CENTERS.
 - A "FOOT" SHALL BE USED TO DRIVE THE NAIL THE LAST 1/2" IN ORDER TO ELIMINATE "HAMMER MARKS".
 - ALL SHEETS OF FABRIC SHALL BE OVERLAPPED AT EACH JOINT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
 - CHANGE IN LENGTH FROM 8' TO 12' OR 12' TO 8' SHALL BE ACCOMPLISHED BY RAISING OR LOWERING PANELS IN 1 FOOT MAXIMUM INCREMENTS.

REVISIONS AND CORRECTIONS
 NOV. 6, 1974 - LAG BOLTS AND CARRIAGE BOLTS OPTIONED
 JULY 12, 1976 - NAME OF FENCE AND GATE CHANGED.
 JUNE 7, 1977 - NOTE 5 AMENDED PER FHWA GUIDELINES.

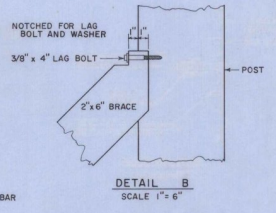
APPROVED _____ DATE 5/20/74
 C. H. Sticker
 CHIEF ENGINEER
 R. O. Mann
 ASST. CHIEF ENGINEER
 G. M. Lane
 HIGHWAY ENGINEER

GALVANIZED SCREENING FENCE DRIVE FOR GALVANIZED SCREENING FENCE

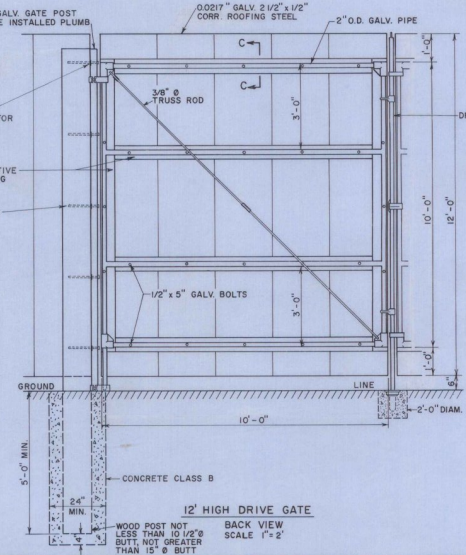
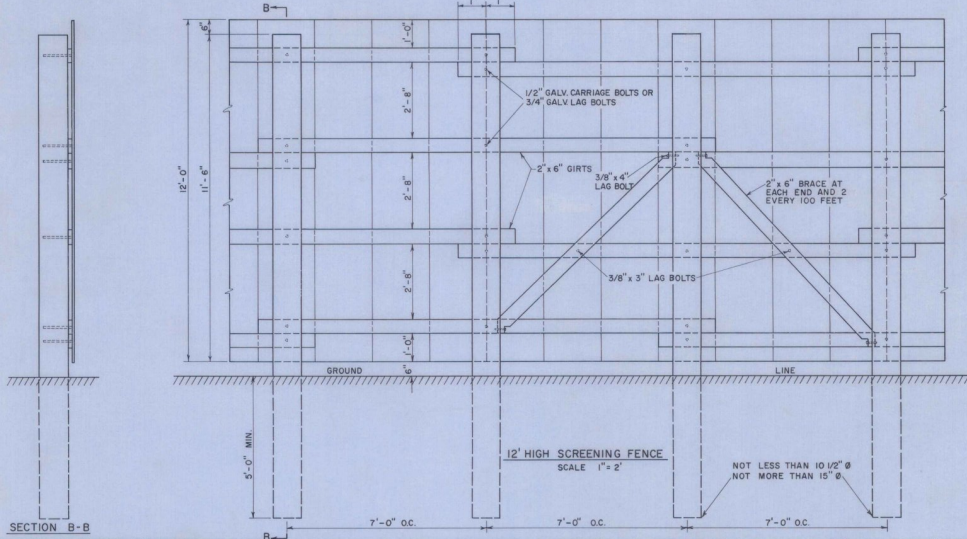
VERMONT
 DEPARTMENT
 OF HIGHWAYS
 STANDARD F-5



USE OF GALVANIZED LAG BOLT OR GALVANIZED CARRIAGE BOLT TO BE AT CONTRACTOR'S OPTION IN ATTACHING GRITS TO POSTS.



- NOTES
- REFER TO STANDARD SHEET F-1 FOR INSTALLATION METHOD OF PROTECTIVE GROUND AT POWER LINE CROSSING.
 - THE FABRIC SHALL BE ATTACHED WITH ALL SHEETS BEING PLUMB.
 - FABRIC SHALL BE FASTENED TO THE 2" x 6" GIRTS WITH 2" GALVANIZED ROOFING NAILS ON 5" CENTERS ON TOP AND BOTTOM GIRTS. INTERIOR GIRTS SHALL BE NAILED ON A MAXIMUM OF 7 1/2" CENTERS.
 - A "TOOL" SHALL BE USED TO DRIVE THE NAIL THE LAST 1/2" IN ORDER TO ELIMINATE "HAMMER MARKS".
 - ALL SHEETS OF FABRIC SHALL BE OVERLAPPED AT EACH JOINT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
 - CHANGE IN LENGTH FROM 8' TO 9' OR 12' TO 8' SHALL BE ACCOMPLISHED BY RAISING OR LOWERING PANELS IN 1 FOOT MAXIMUM INCREMENTS.



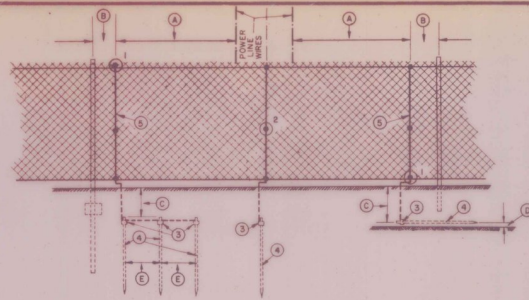
REVISIONS AND CORRECTIONS
 NOV. 6, 1974 - LAG BOLTS AND CARRIAGE BOLTS OPTIONED
 JULY 12, 1976 - NAME OF FENCE AND GATE CHANGED.
 JUNE 7, 1977 - NOTE 5 AMENDED PER FHWA GUIDELINES.

APPROVED DATE 5/20/74
 C. D. Stucky
 CHIEF ENGINEER
 R. O. Munn
 ASST. CHIEF ENGINEER
 G. M. Lane
 HIGHWAY ENGINEER

GALVANIZED SCREENING FENCE DRIVE FOR GALVANIZED SCREENING FENCE

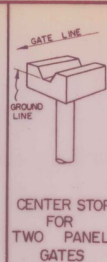
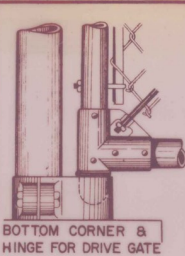
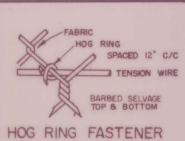
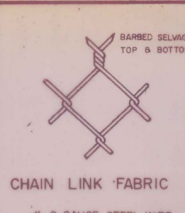
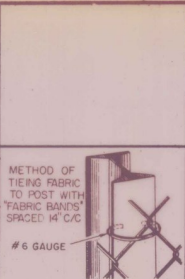
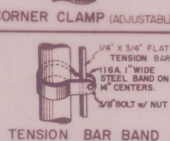
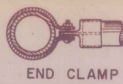


STANDARD F-5



- Ⓐ 25'-0" OR TO 1.0'±0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 1.0' (±0.5')
- Ⓒ MINIMUM DISTANCE 1.0' (±1.0')
- Ⓓ 2.0' (±0.5')
- Ⓔ MINIMUM DISTANCE 6.0'
- Ⓕ CONNECTOR SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- Ⓖ GROUND ROD CLAMP
- Ⓗ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
- Ⓘ CONDUCTOR NO 6 AWG COPPER SOFT DRAWN OR NO 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



GENERAL NOTES (GALVANIZED OR ALUMINUM COATED FABRIC)

HEIGHT - AS NOTED ON PLANS
 FABRIC - CHAIN LINK, # 9 GAUGE WIRE, WOVEN IN A 2" OR 3 1/2" X 5 1/2" MESH. TOP & BOTTOM SELVAGES TO BE BARBED. THE BOTTOM SELVAGE TO BE 6" ABOVE THE GROUND LINE, THE TOP SELVAGE TO BE 1" ABOVE THE TENSION WIRE.
 LINE POSTS - 2" X 2 1/4" "H" COLUMN, WEIGHT 4.1 LBS. PER FOOT OR 2 3/8" O.D. PIPE, WEIGHT 3.65 LBS PER FOOT OR APPROVED EQUAL FOR FENCE
 TERMINAL POSTS - END, CORNER AND PULL POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHING 5.79 LBS PER FOOT FOR FENCE
 POST SPACING - POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 7'-6" 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 5 FEET 0" INCHES IN A 10" DIAMETER, CYLINDRICAL-SHAPED HOLE, 5'-8" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS 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.

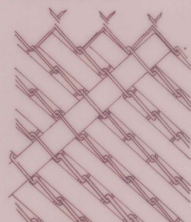
FABRIC TIES - FABRIC TO BE FASTENED TO POSTS AND GATE FRAMES AS SHOWN.
 TRUSS RODS - SHALL BE 3/8" DIAMETER DIAGONAL BARS WITH TURNBUCKLE
 BRACE RODS - SHALL BE 1 5/8" O.D. PIPE
 TENSION BARS - SHALL BE FLAT 1/4" X 3/4" BARS WITH SQUARE EDGES
 TENSION WIRE - SHALL BE # 9 GAUGE WIRE ATTACHED 1" BELOW TOP SELVAGE AND 2" ABOVE BOTTOM SELVAGE OF FABRIC BY MEANS OF HOG RINGS ON 12" CENTERS.

GATES - GATE FRAMES SHALL BE 1 9/16" O.D. PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS

END SECTION ASSEMBLY, TO BE ERCTED ON A MAXIMUM OF 200 FEET CENTER TO CENTER

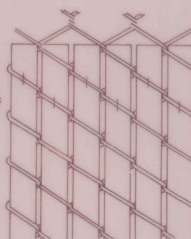
THE WEIGHT TOLERANCE IS 5 PER CENT ABOVE AND 5 PER CENT BELOW. THE TUBULAR SIZES ARE NOMINAL

DIAGONAL SUPPORT SLATS TO BE PLACED AT 8" SPACE INTERVALS



LATTICE BARED ENAMEL FINISH .009 GAUGE (7.001 MIN) 2" MESH, 9 GAUGE

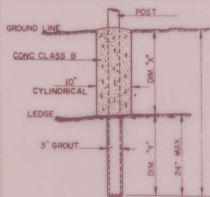
WOOD SLATS FASTENED WITH STAPLES



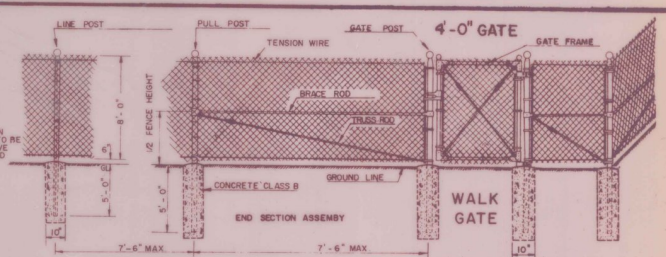
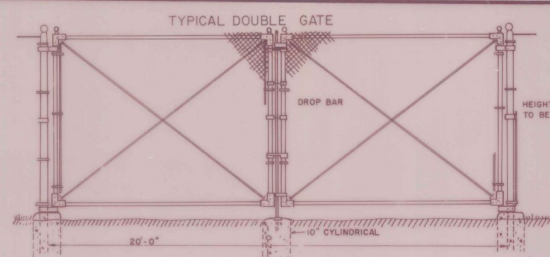
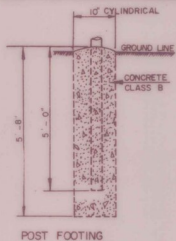
3/8" X 2 1/2" WOOD SLATS, PRESERVATIVE TREATED
 3 1/2" X 5 1/2" MESH, 9 GAUGE

OPENING	POST SIZE	WGT./LF
6" TO 13"	4" O.D.	9.11 LBS

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



DIM "Y" 24" WHEN DIM "X" VARIES BETWEEN 0" AND 24". WHEN DIM "X" EXCEEDS 24", DIM "Y" DECREASES ACCORDINGLY



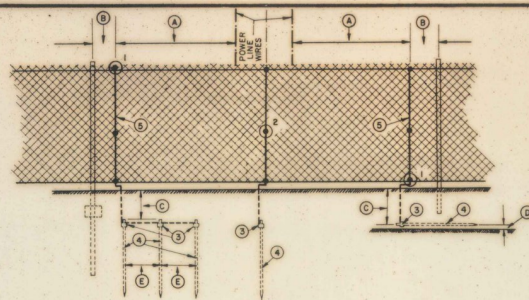
REVISIONS AND CORRECTIONS
 FEBRUARY 1, 1979 CHANGE TOP RAIL TO TENSION WIRE

APPROVED DATE
E. H. Stebbins
 CHIEF ENGINEER
R. O. Munn
 ASST. CHIEF ENGINEER
G. M. Lane
 HIGHWAY ENGINEER
 DRAWN BY AJA
 TRACED BY AJA

CHAIN-LINK SCREENING FENCE (TYPE I)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 CHAIN-LINK SCREENING FENCE (TYPE II)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)

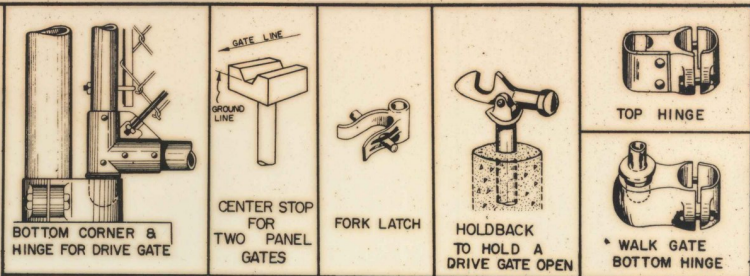
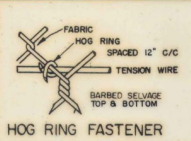
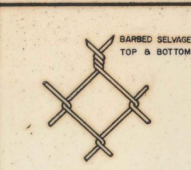
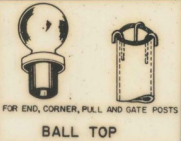
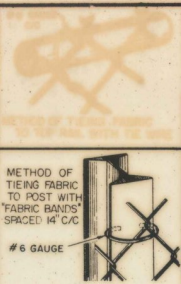
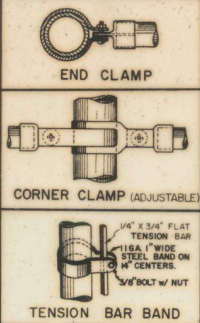


STANDARD
 F-6



- Ⓐ 25'-0" OR TO 1.0' ± 0.5' FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 1.0' (± 0.5')
- Ⓒ MINIMUM DISTANCE 1.0' (± 1.0')
- Ⓓ 2.0' (± 0.5')
- Ⓔ MINIMUM DISTANCE 6.0'
- ① CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ② GROUND ROD CLAMP
- ③ COPPER CLAD STEEL CORE GROUND ROD 5/8" X 8'-0"
- ④ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



GENERAL NOTES (GALVANIZED OR ALUMINUM COATED FABRIC)

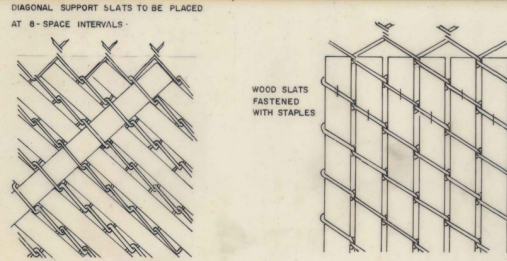
HEIGHT... AS NOTED ON PLANS.
 FABRIC... CHAIN LINK, #9 GAUGE WIRE, WOVEN IN A 2" OR 3 1/2" X 5 1/2" MESH. TOP & BOTTOM SELVAGES TO BE BARBED. THE BOTTOM SELVAGE TO BE 6" ABOVE THE GROUND LINE. THE TOP SELVAGE TO BE 1" ABOVE THE TENSION WIRE.
 LINE POSTS... 2" X 2 1/4" "H" COLUMN, WEIGHT 4.1 LBS. PER FOOT OR 2 3/8" O.D. PIPE, WEIGHT 3.65 LBS. PER FOOT OR APPROVED EQUAL FOR FENCE.
 TERMINAL POSTS... END, CORNER AND PULL POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHING 5.79 LBS. PER FOOT FOR FENCE.
 POST SPACING... POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 7'-6" 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 5' FEET 0" INCHES IN A 10"-DIAMETER, CYLINDRICAL-SHAPED HOLE, 5'-8" DEEP, FILLED WITH CONCRETE.
 ALL FITTINGS AND HARDWARE SHALL BE AS 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 AS SHOWN.
 TRUSS RODS... SHALL BE 3/8" DIAMETER DIAGONAL BARS WITH TURNBUCKLE.
 BRACE RODS... SHALL BE 1 5/8" O.D. PIPE.
 TENSION BARS... SHALL BE FLAT 1/4" X 3/4" 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 12" CENTERS.

GATES... GATE FRAMES SHALL BE 1 9/8" O.D. PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS.

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

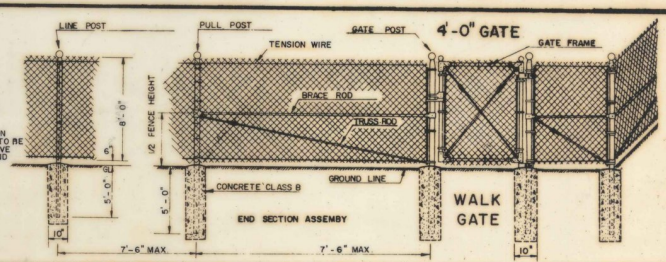
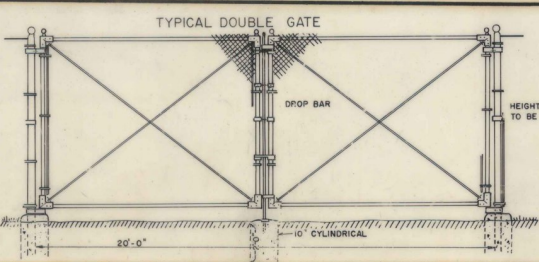
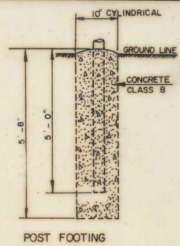
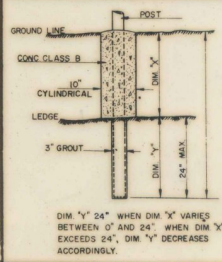
THE WEIGHT TOLERANCE IS 5 PER CENT ABOVE AND 5 PER CENT BELOW. THE TUBULAR SIZES ARE NOMINAL.



DIAGONAL SUPPORT SLATS TO BE PLACED AT 8-SPACE INTERVALS.
 CLASS 'A' FABRIC AND LATTICE: LATTICE BAKED ENAMEL FINISH 009 GAUGE (7.001 MIN.) 2" MESH, 9 GAUGE.
 CLASS 'B' FABRIC & LATTICE: 3/8" X 2 1/2" WOOD SLATS, PRESERVATIVE TREATED 3 1/2" X 5 1/2" MESH, 9 GAUGE.

POSTS FOR SINGLE SWING GATE	OPENING	POST SIZE	WGT./LF
OVER 6' TO 13'	4" O.D.	9.11 LBS	

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

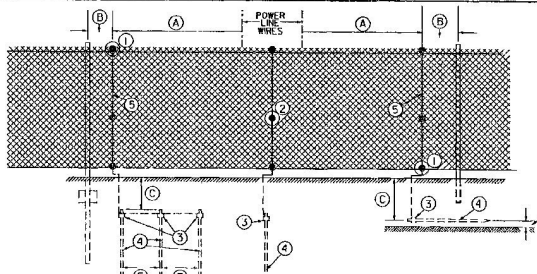


REVISIONS AND CORRECTIONS
 FEBRUARY 1, 1979 CHANGE TOP RAIL TO TENSION WIRE

APPROVED DATE 5-26-74
 E. H. Stickey
 CHIEF ENGINEER
 R. O. Mumm
 ASST. CHIEF ENGINEER
 G. M. Lane
 HIGHWAY ENGINEER
 DRAWN BY AJA
 TRACED BY AJA

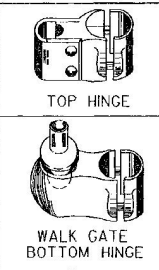
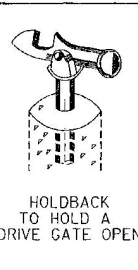
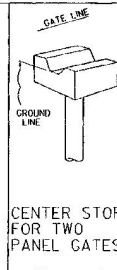
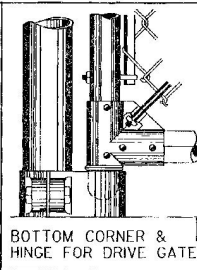
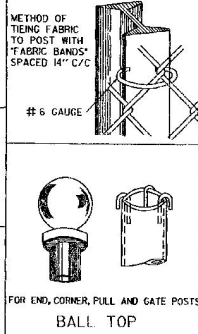
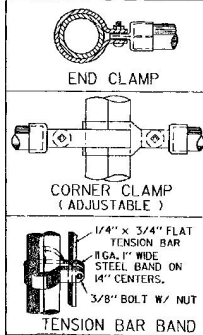
CHAIN-LINK SCREENING FENCE (TYPE I)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 CHAIN-LINK SCREENING FENCE (TYPE II)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)

VERMONT AGENCY OF TRANSPORTATION
 STANDARD
 F-6



- Ⓐ 25' 0" OR TO 10' ± 0.5" FROM NEAREST FENCE POST (AT RIGHT ANGLE TO POWER LINE)
- Ⓑ MAXIMUM DISTANCE 10' (± 0.5")
- Ⓒ MINIMUM DISTANCE 10' (± 1.0")
- Ⓓ 2.0" (± 0.5")
- Ⓔ MINIMUM DISTANCE 6.0
- ① CONNECTOR, SUITABLE FOR WIRE GAUGES UTILIZED AND FOR DISSIMILAR METALS
- ② GROUND ROD CLAMP
- ③ COPPER CLAD STEEL CORE GROUND ROD 5/8" x 8'-0"
- ④ CONDUCTOR NO. 6 AWG COPPER SOFT DRAWN OR NO. 4 AWG ALUMINUM

INSTALLATION METHOD OF PROTECTIVE GROUNDING AT POWER LINE CROSSINGS



HEIGHT - AS NOTED ON PLANS
GENERAL NOTES (GALVANIZED OR ALUMINUM COATED FABRIC)

FABRIC - CHAIN LINK # 9 GAUGE WIRE, WOVEN IN A 2" OR 3 1/2" x 5 1/2" MESH, TOP AND BOTTOM SELVAGES TO BE BARBED. THE BOTTOM SELVAGES TO BE 6" ABOVE THE GROUND LINE, THE TOP SELVAGE TO BE 1" ABOVE THE TENSION WIRE.

LINE POSTS - 2" x 2 1/4" 4" COLUMN, WEIGHT 4 LBS. PER FOOT OR 2 3/8" O.D. PIPE, WEIGHT 3.65 LBS. PER FOOT OR APPROVED EQUAL FOR FENCE.

TERMINAL POSTS - END, CORNER, AND 1/4" POSTS, SHALL BE 2 7/8" O.D. PIPE, WEIGHT 5.79 LBS. PER FOOT FOR FENCE.

POST SPACING - POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 7'-6" 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 5'-0" IN A 10" DIAMETER CYLINDRICAL SHAPED HOLE 5'-8" DEEP, 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 AS SHOWN.

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

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

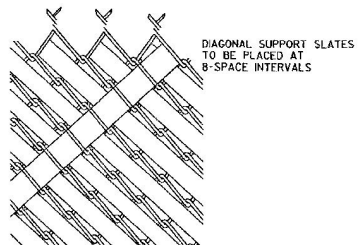
TENSION BARS - SHALL BE FLAT 1/4" x 3/4" BARS WITH SQUARE EDGES.

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 12" CENTERS.

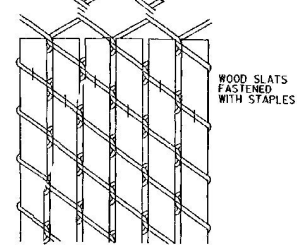
GATES - GATE FRAMES SHALL BE 1 3/4" O.D. 1 1/2" PIPE ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS.

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

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



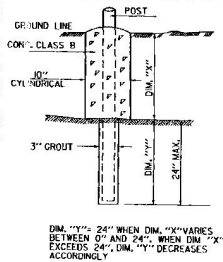
LATTICE BAKED ENAMEL FINISH .009 GAUGE (± .001 MIN.) 2" MESH, 9 GAUGE
CLASS 'A' FABRIC AND LATTICE



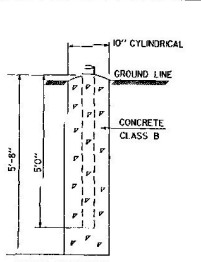
5/8" x 2 1/2" WOOD SLATS, PRESERVATIVE TREATED
3 1/2" x 5 1/2" MESH, 9 GAUGE
CLASS 'B' FABRIC & LATTICE

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

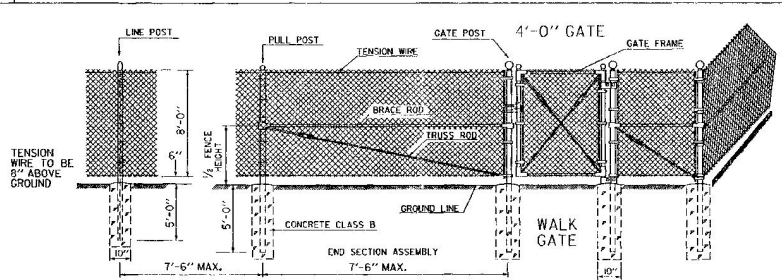
POSTS FOR SINGLE SWING GATE		
OPENING	POST SIZE	WEIGHT
OVER 6' TO 13'	4" O.D.	9 LBS.



POST FOOTING



TYPICAL DOUBLE GATE



END SECTION ASSEMBLY

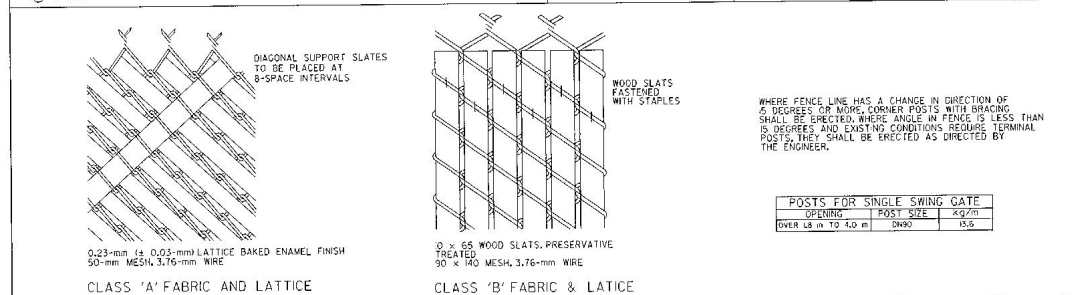
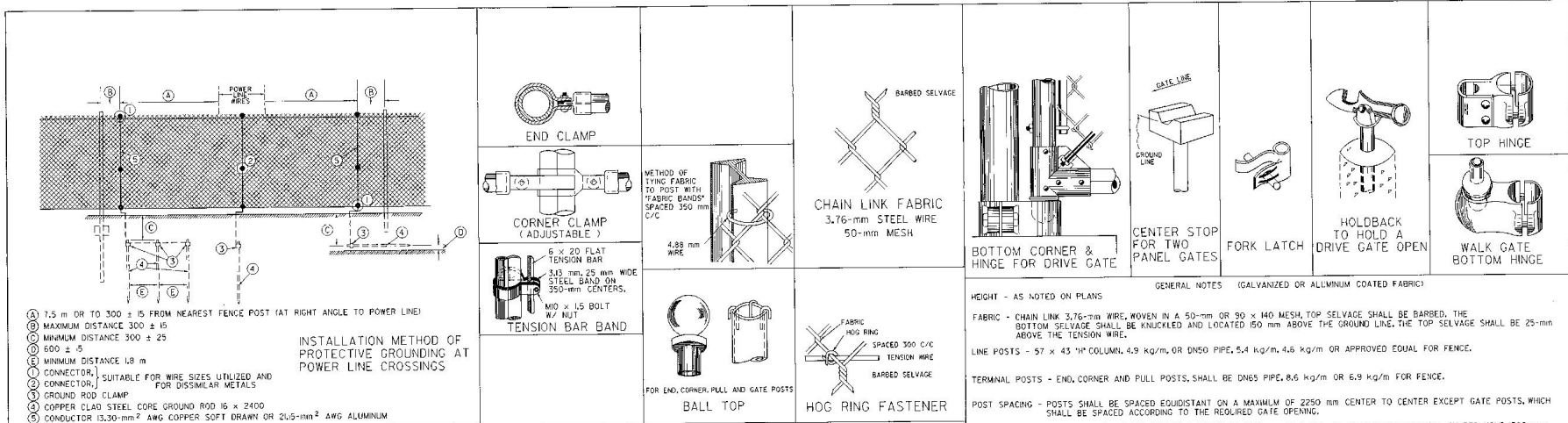
REVISIONS AND CORRECTIONS
FEB. 1, 1979 - CHANGE TOP RAIL TO TENSION WIRE
JUNE 1, 1994 - REISSUED, WITHOUT CHANGE, UNDER NEW SIGNATURES.

APPROVED
Stephen D. McArthur
DIRECTOR OF ENGINEERING
John M. Murphy
DESIGN ENGINEER

- CHAIN LINK SCREENING FENCE (TYPE I)
- DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
- WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
- CHAIN-LINK SCREENING FENCE (TYPE II)
- DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)
- WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)



STANDARD
F-6



GENERAL NOTES (GALVANIZED OR ALUMINUM COATED FABRIC)

HEIGHT - AS NOTED ON PLANS

FABRIC - CHAIN LINK 3.76-mm WIRE, WOVEN IN A 50-mm OR 90 x 140 MESH, TOP SELVAE SHALL BE BARBED. THE BOTTOM SELVAE SHALL BE KNUCKLED AND LOCATED 150 mm ABOVE THE GROUND LINE. THE TOP SELVAE SHALL BE 25-mm ABOVE THE TENSION WIRE.

LINE POSTS - 57 x 43 "H" COLUMN, 4.9 kg/m, OR DN50 PIPE, 5.4 kg/m, 4.5 kg/m OR APPROVED EQUAL FOR FENCE.

TERMINAL POSTS - END, CORNER AND PULL POSTS, SHALL BE DN65 PIPE, 8.6 kg/m OR 6.9 kg/m FOR FENCE.

POST SPACING - POSTS SHALL BE SPACED EQUIDISTANT ON A MAXIMUM OF 2250 mm 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 1500 mm IN A 250 mm DIAMETER CYLINDRICAL SHAPED HOLE 1700 mm DEEP, FILLED WITH CONCRETE.

ALL FITTINGS AND HARDWARE SHALL BE AS 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 AS SHOWN.

TRUSS RODS - SHALL BE M.O x 1.5 THREADED DIAGONAL BARS WITH TURNBUCKLE.

BRACE RODS - SHALL BE DN32 PIPE, 3.4 kg/m, 2.7 kg/m OR APPROVED EQUAL.

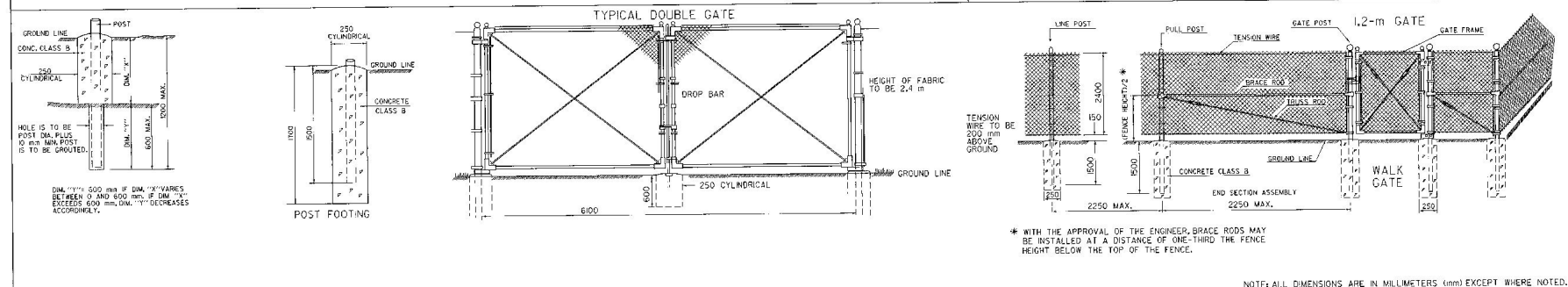
TENSION BARS - SHALL BE FLAT 6 x 20 BARS WITH SQUARE EDGES.

TENSION WIRE - SHALL BE 4.50-mm WIRE ATTACHED 25 mm BELOW TOP SELVAE AND 50 mm ABOVE BOTTOM SELVAE OF FABRIC BY MEANS OF HOG RINGS ON 300-mm CENTERS.

GATES - GATE FRAMES SHALL BE DN40, 4.9kg/m, OR 3.4 kg/m, ASSEMBLED BY WELDING, RIVETING OR BOLTING AND TO BE FURNISHED WITH ALL THE NECESSARY FITTINGS.

END SECTION ASSEMBLY - TO BE ERECTED ON A MAXIMUM OF 60 m CENTER TO CENTER.

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



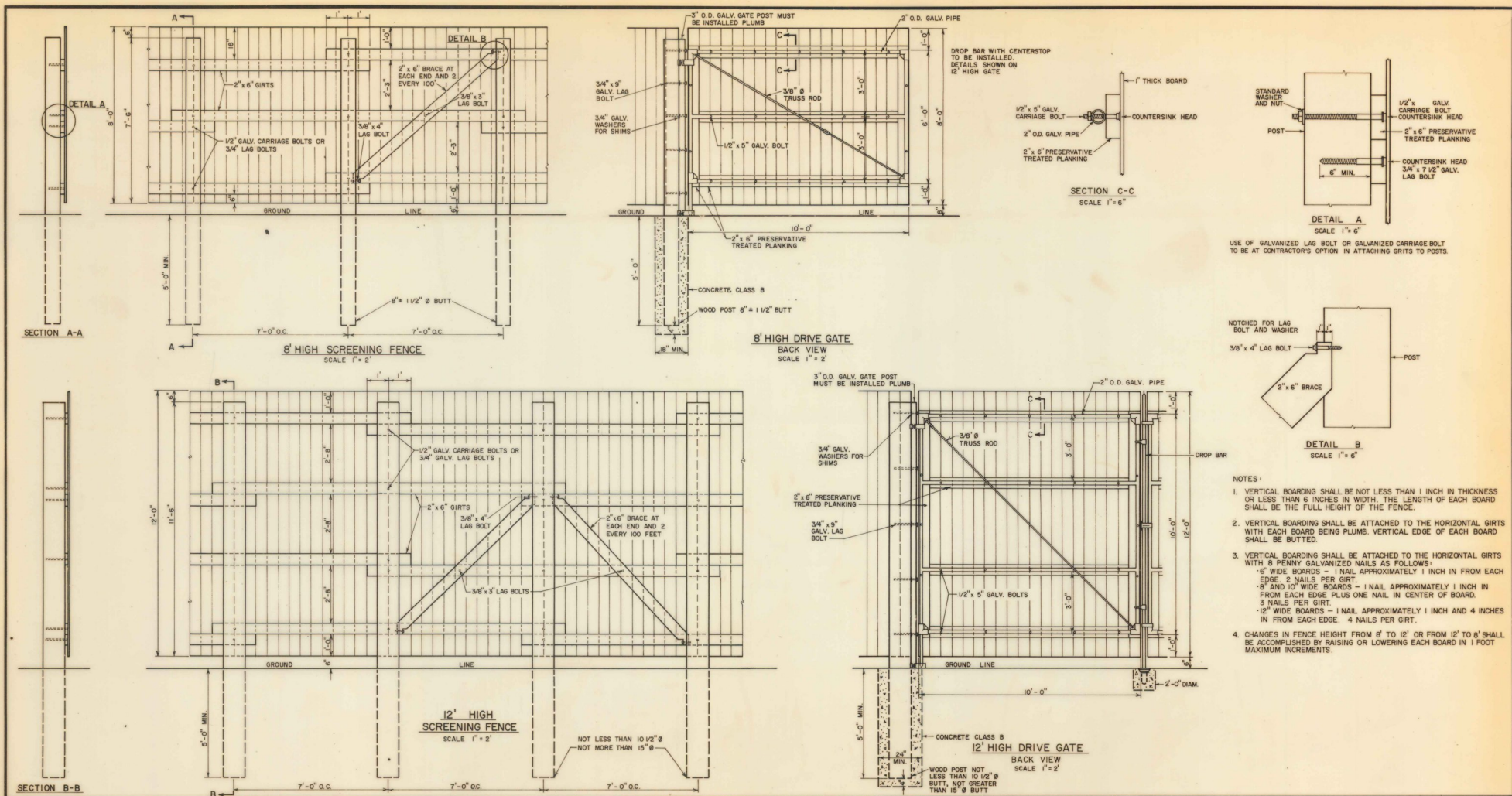
REVISIONS AND CORRECTIONS
 JUNE 13, 1997 - ORIGINAL APPROVAL DATE

APPROVED
 [Signature] DIRECTOR OF ENGINEERING
 [Signature] DESIGN ENGINEER

CHAIN LINK SCREENING FENCE (TYPE I)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE I)
 CHAIN-LINK SCREENING FENCE (TYPE II)
 DRIVE GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)
 WALK GATE FOR CHAIN-LINK SCREENING FENCE (TYPE II)

VERMONT AGENCY OF TRANSPORTATION

Metric STANDARD F-6 M



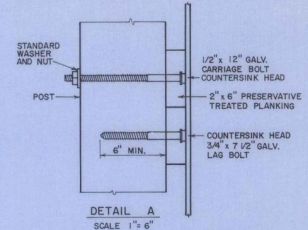
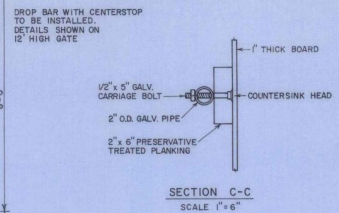
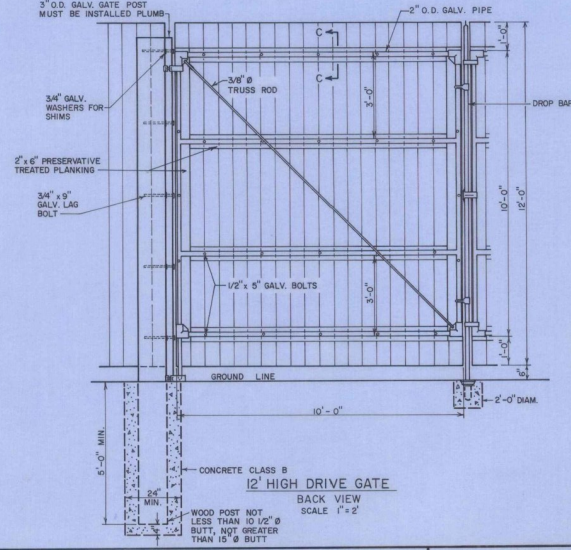
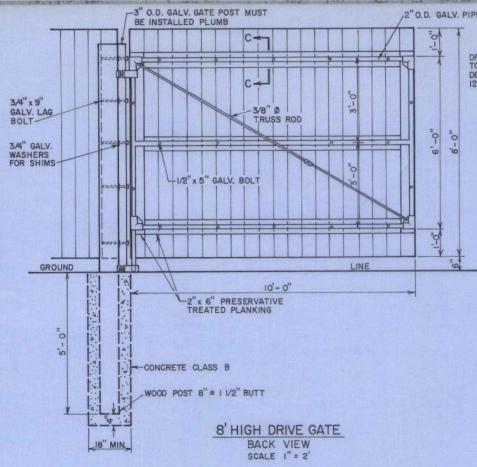
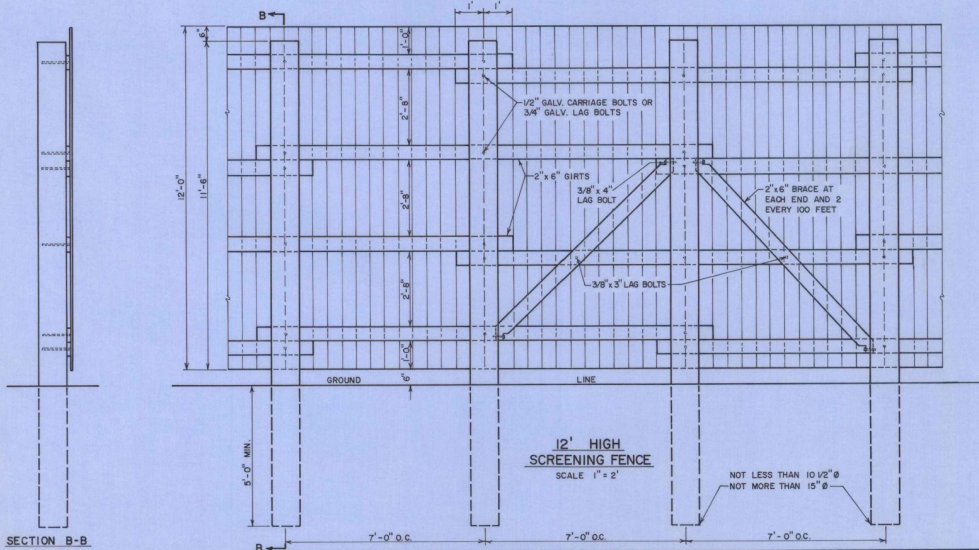
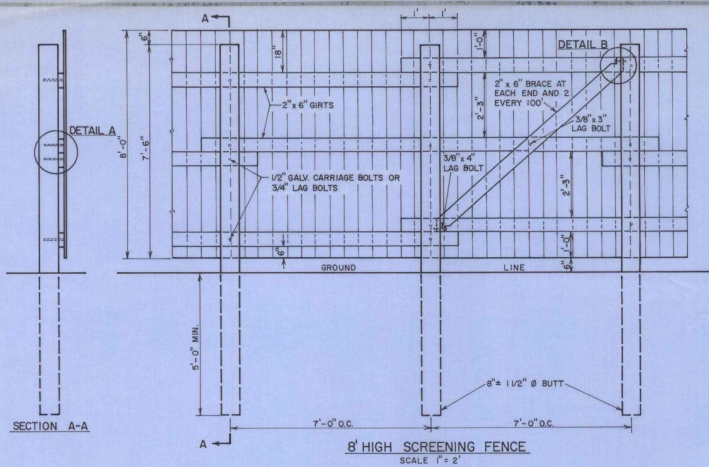
- NOTES:
1. VERTICAL BOARDING SHALL BE NOT LESS THAN 1 INCH IN THICKNESS OR LESS THAN 6 INCHES IN WIDTH. THE LENGTH OF EACH BOARD SHALL BE THE FULL HEIGHT OF THE FENCE.
 2. VERTICAL BOARDING SHALL BE ATTACHED TO THE HORIZONTAL GIRTS WITH EACH BOARD BEING PLUMB. VERTICAL EDGE OF EACH BOARD SHALL BE BUTTED.
 3. VERTICAL BOARDING SHALL BE ATTACHED TO THE HORIZONTAL GIRTS WITH 8 PENNY GALVANIZED NAILS AS FOLLOWS:
 - 6" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH IN FROM EACH EDGE. 2 NAILS PER GIRT.
 - 8" AND 10" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH IN FROM EACH EDGE PLUS ONE NAIL IN CENTER OF BOARD. 3 NAILS PER GIRT.
 - 12" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH AND 4 INCHES IN FROM EACH EDGE. 4 NAILS PER GIRT.
 4. CHANGES IN FENCE HEIGHT FROM 8' TO 12' OR FROM 12' TO 8' SHALL BE ACCOMPLISHED BY RAISING OR LOWERING EACH BOARD IN 1 FOOT MAXIMUM INCREMENTS.

REVISIONS AND CORRECTIONS

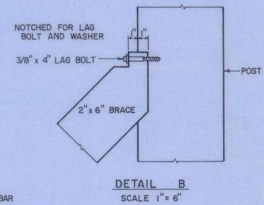
APPROVED _____
 DATE July 12, 1976
 E. H. Stickney
 CHIEF ENGINEER
 R. O. Munn
 ASST. CHIEF ENGINEER
 Louis Jones
 HIGHWAY ENGINEER

WOOD SCREENING FENCE
 DRIVE FOR WOOD SCREENING FENCE

VERMONT
 DEPARTMENT
 OF HIGHWAYS
 STANDARD
 F-7



USE OF GALVANIZED LAG BOLT OR GALVANIZED CARRIAGE BOLT TO BE AT CONTRACTOR'S OPTION IN ATTACHING GRITS TO POSTS.



- NOTES:
1. VERTICAL BOARDING SHALL BE NOT LESS THAN 1 INCH IN THICKNESS OR LESS THAN 6 INCHES IN WIDTH. THE LENGTH OF EACH BOARD SHALL BE THE FULL HEIGHT OF THE FENCE.
 2. VERTICAL BOARDING SHALL BE ATTACHED TO THE HORIZONTAL GRITS WITH EACH BOARD BEING PLUMB VERTICAL EDGE OF EACH BOARD SHALL BE BUTTED.
 3. VERTICAL BOARDING SHALL BE ATTACHED TO THE HORIZONTAL GRITS WITH 8 PENNY GALVANIZED NAILS AS FOLLOWS:
 - 6" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH IN FROM EACH EDGE, 2 NAILS PER GIRT.
 - 8" AND 10" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH IN FROM EACH EDGE PLUS ONE NAIL IN CENTER OF BOARD, 3 NAILS PER GIRT.
 - 12" WIDE BOARDS - 1 NAIL APPROXIMATELY 1 INCH AND 4 INCHES IN FROM EACH EDGE, 4 NAILS PER GIRT.
 4. CHANGES IN FENCE HEIGHT FROM 8' TO 12' OR FROM 12' TO 8' SHALL BE ACCOMPLISHED BY RAISING OR LOWERING EACH BOARD IN 1 FOOT MAXIMUM INCREMENTS.

REVISIONS AND CORRECTIONS

APPROVED

DATE July 12, 1976

E. H. Stearns
CHIEF ENGINEER

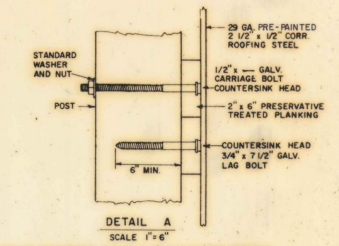
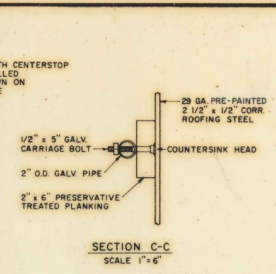
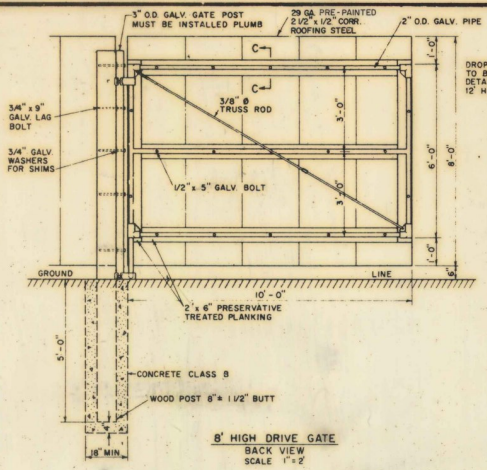
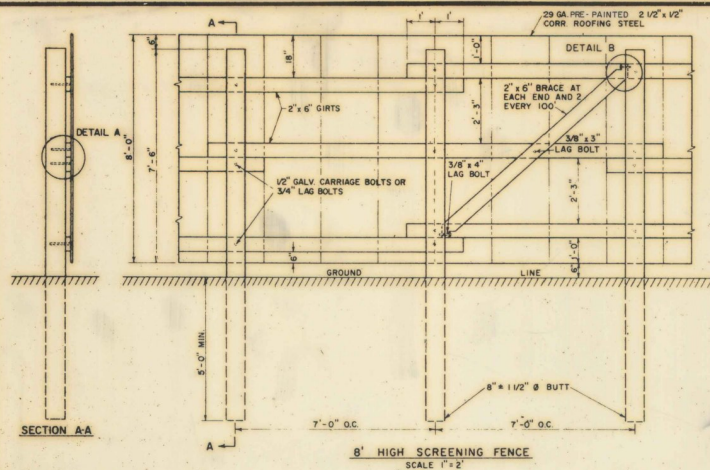
R. O. Munn
ASST. CHIEF ENGINEER

Louis Jones
HIGHWAY ENGINEER

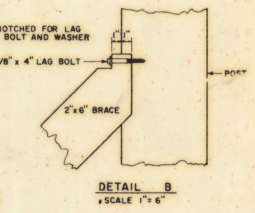
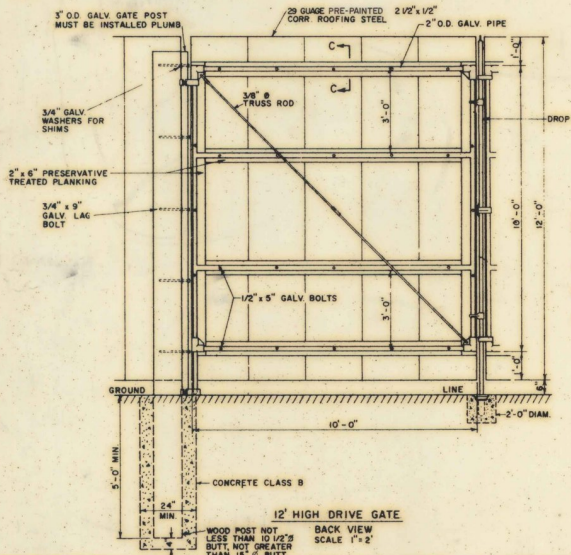
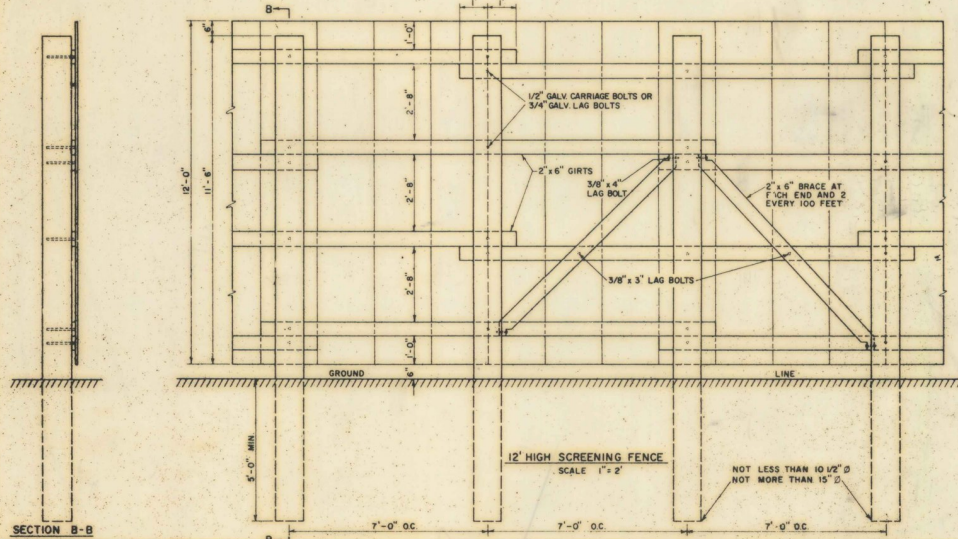
WOOD SCREENING FENCE
DRIVE FOR WOOD SCREENING FENCE



STANDARD
F-7



USE OF GALVANIZED LAG BOLT OR GALVANIZED CARRIAGE BOLT TO BE AT CONTRACTOR'S OPTION IN ATTACHING TRUSS TO POSTS.



- NOTES
1. REFER TO STANDARD SHEET F-1 FOR INSTALLATION METHOD OF PROTECTIVE GROUND AT POWER LINE CROSSING.
 2. THE FABRIC SHALL BE ATTACHED WITH ALL SHEETS BEING PLUMB.
 3. SHEET SHALL BE FASTENED TO THE TOP AND BOTTOM 2x6 GIRTS ON 5" CENTERS. INTERIOR GIRTS SHALL BE FASTENED ON A MAXIMUM OF 7 1/2" CENTERS. 2" SCREW FASTENED WITH WASHER, OR 2" NAIL WITH WASHER, OF THE SAME COLOR AS THE SHEET SHALL BE USED.
 4. A "TOD" SHALL BE USED TO DRIVE THE NAIL THE LAST 1/2" IN ORDER TO ELIMINATE "HAMMER MARKS".
 5. ALL SHEETS OF FABRIC SHALL BE OVERLAPPED AT EACH JOINT IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATION.
 6. CHANGE IN LENGTH FROM 8' TO 12' OR 12' TO 8' SHALL BE ACCOMPLISHED BY RAISING OR LOWERING PANELS IN 1 FOOT MAXIMUM INCREMENTS.

REVISIONS AND CORRECTIONS
JUNE 7, 1977 - NOTE 5 AMENDED PER FHWA GUIDELINES.

APPROVED

Sept 21, 1976
DATE

E. J. Stechney
CHIEF ENGINEER

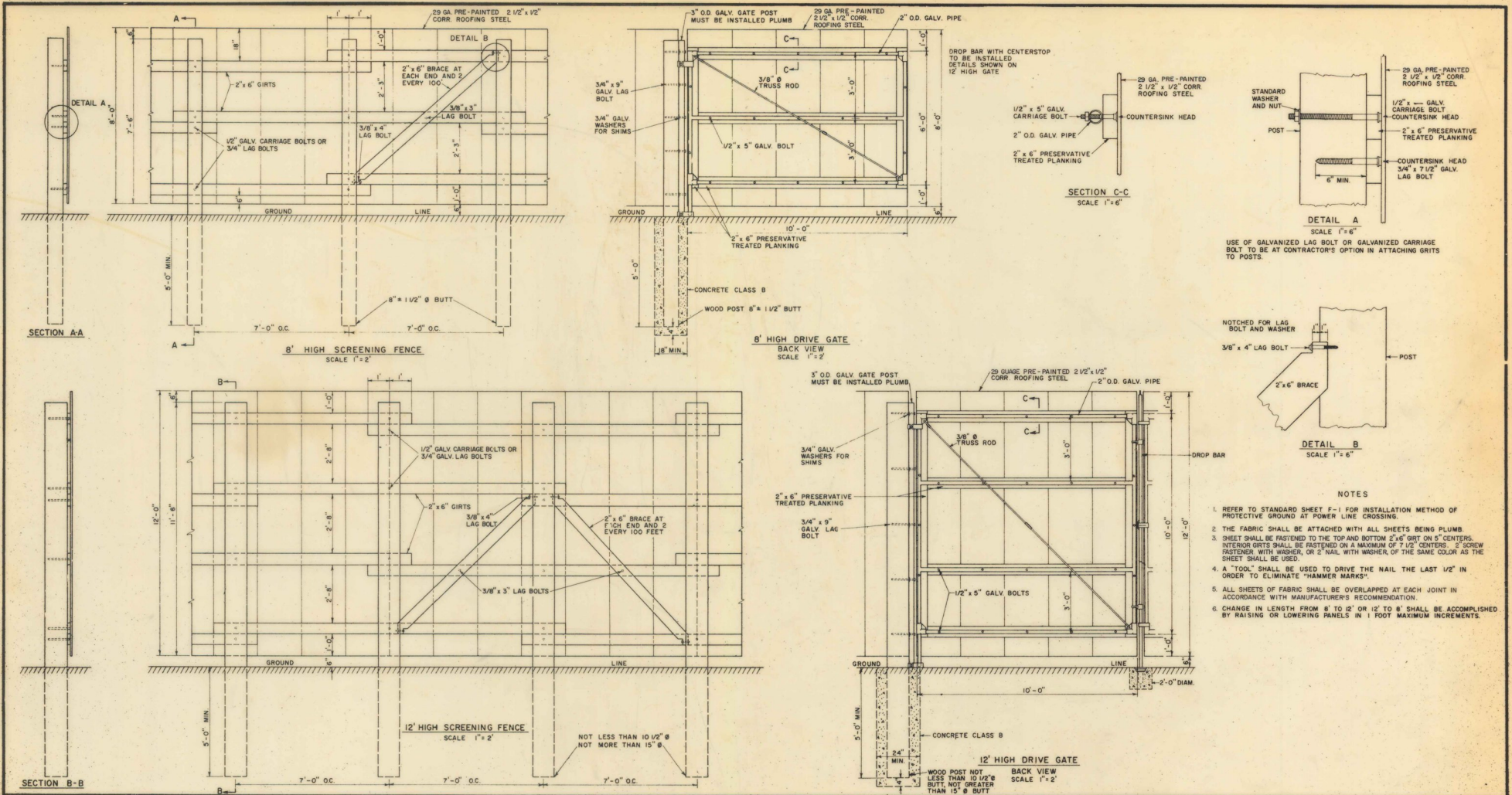
RO Mamm
ASST. CHIEF ENGINEER

D. J. Jones
HIGHWAY ENGINEER

PRE - PAINTED SCREENING FENCE
DRIVE GATE FOR PRE-PAINTED SCREENING FENCE



STANDARD
F-8



REVISIONS AND CORRECTIONS
 JUNE 7, 1977 - NOTE 5 AMENDED PER FHWA GUIDELINES.

APPROVED

DATE: Sept. 21, 1976
 E. H. Stickey
 CHIEF ENGINEER
 R. O. Munn
 ASST. CHIEF ENGINEER
 S. J. Jones
 HIGHWAY ENGINEER

PRE - PAINTED SCREENING FENCE
 DRIVE GATE FOR PRE-PAINTED SCREENING FENCE

VERMONT
 DEPARTMENT
 OF HIGHWAYS
 STANDARD
 F-8