ANCHOR ANGLE

10"

2'-8"

1'-11"

(6) $\frac{7}{8}$" DIA. x 1'-0" BOLTS

(2) $\frac{7}{8}$" DIA. x 6" EYEBOLT WITH 1$\frac{1}{2}$" EYE

CONCRETE ANCHOR

1'-8"

10'-0" MAX. POST SPACING (TYP.)

10'-0" MAX. POST SPACING (TYP.)

#7 GAGE TENSION WIRE

WIRE ROPE PLACED THROUGH
CHAIN LINK FENCE FABRIC

LINE POST

6"

2'-0"

2'-6"

FENCING FABRIC HEIGHT + 2'-8"

TURNBUCKLE
ASSEMBLIES

3'-0"

1st POST FROM ANCHOR

ELEVATION

9"

STANDARD LINE POST

ANCHOR ANGLE

$\frac{7}{8}$" DIA. x 1'-0" LONG BOLTS
EMBEDDED IN CONCRETE ANCHOR
(TYP.)

END VIEW OF CONCRETE ANCHOR

CONCRETE QUANTITY FOR ANCHOR = 0.5 CYD

(6) $\frac{7}{8}$" DIAMETER x 1'-0" LONG BOLTS,
WITH HEADS, DOUBLE NUTTED WITH WASHER
AT ANCHOR ANGLE TO POSITION BOLTS

1'-3"

1$\frac{1}{2}$"   1'-0"   1$\frac{1}{2}$"

6"   1$\frac{3}{4}$"   2$\frac{1}{2}$"   1$\frac{3}{4}$"

1" DIAMETER
HOLE (TYP.)

3"   3"   3"   3"   3"

4"

4"

1$\frac{1}{2}$"   2$\frac{1}{2}$"

1'-3"

3$\frac{1}{2}$"   4"   4"   3$\frac{1}{2}$"

1" DIAMETER
HOLE (TYP.)
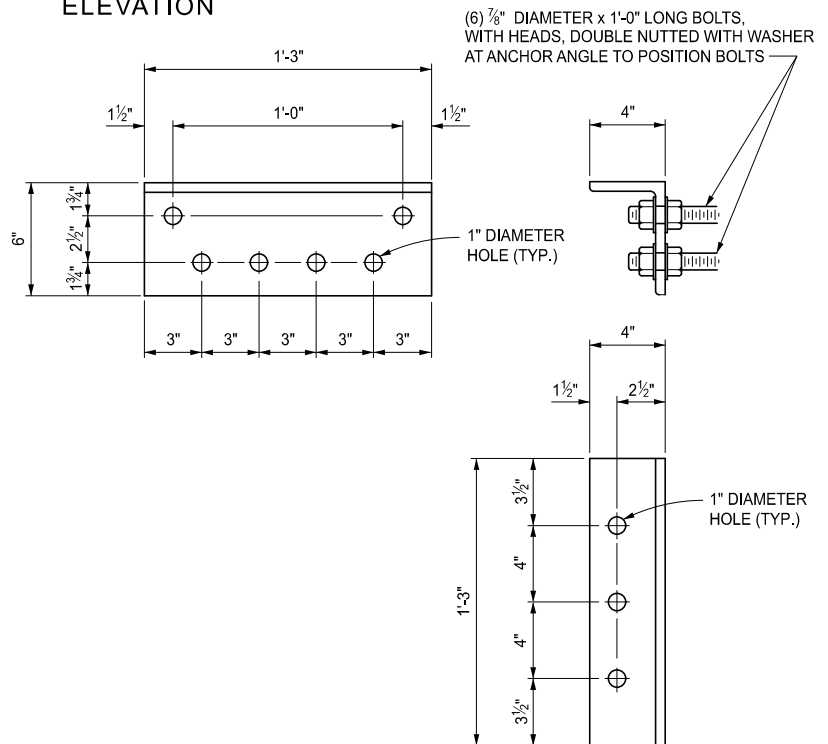
L6" x 4" x $\frac{1}{2}$" x 1'-3" LONG
ANCHOR ANGLE

SPECIAL DETAIL FOR
CHAIN LINK FENCE WITH WIRE ROPE

(SPECIAL DETAIL)	12/06/2022	**SPECIAL DETAIL 99**	SHEET
FHWA APPROVAL	PLAN DATE		1 OF 2

½" DIAMETER HOT ROLLED BAR

½" DIAMETER HOT-ROLLED STEEL

1½" R

1½"
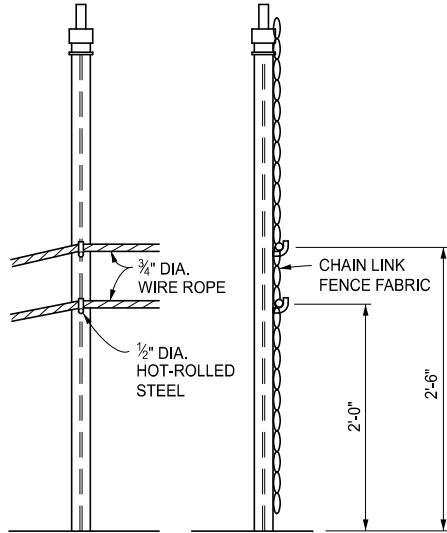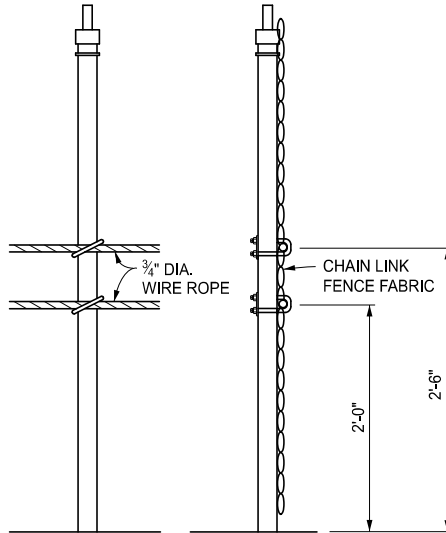
1½"
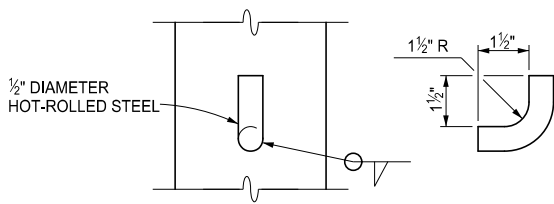
NOTE:
THE WELDED ½" DIAMETER HOT-ROLLED BAR AND THE WIRE ROPE SHALL BE FASTENED TO THE LINE POSTS THAT ARE SPECIFIED ON STANDARD PLAN R-98-SERIES.
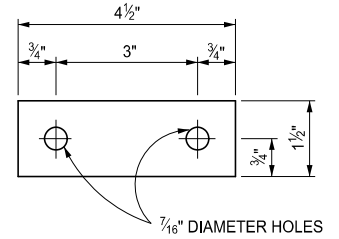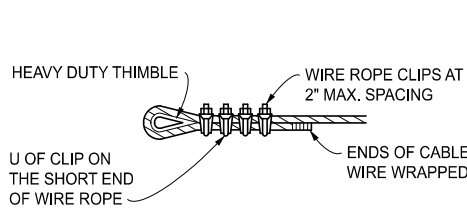
U-BOLT WITH NUTS

3"

⅜" - STANDARD NUT

4"

⅜" DIAMETER HOT-ROLLED STEEL

1st POST FROM ANCHOR

¾" DIA. WIRE ROPE

CHAIN LINK FENCE FABRIC

½" DIA. HOT-ROLLED STEEL

2'-0"

2'-6"
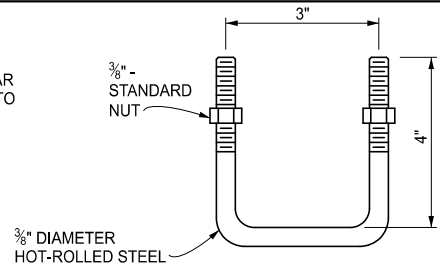
WIRE ROPE INSTALLED TO LINE POST WITH U-BOLTS

¾" DIA. WIRE ROPE

CHAIN LINK FENCE FABRIC

2'-0"

2'-6"

U-BOLT WASHER
¼" THICK HOT-ROLLED STEEL

4½"

¾"

3"

¾"

1½"

¾"

⁷⁄₁₆" DIAMETER HOLES

¾" DIAMETER WIRE ROPE (3 x 7)

WIRE ROPE LOOP ENDING

HEAVY DUTY THIMBLE

WIRE ROPE CLIPS AT 2" MAX. SPACING

U OF CLIP ON THE SHORT END OF WIRE ROPE

ENDS OF CABLE WIRE WRAPPED

WEDGE DETAIL

0.203" R

0.125"

0.437"

1.344"

5°

0.843"

0.562"
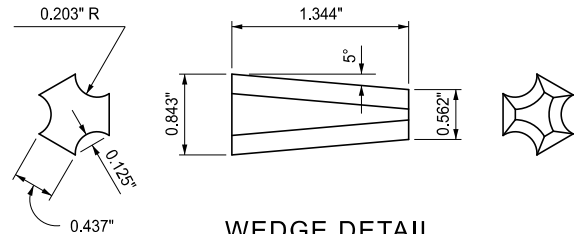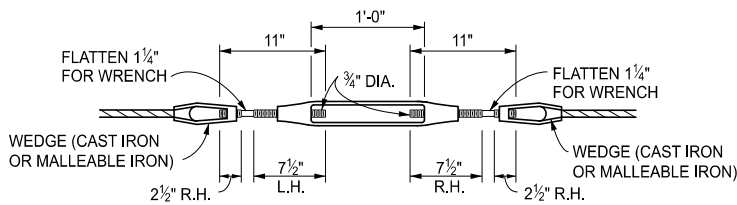
TURNBUCKLE WIRE ROPE ASSEMBLY

1'-0"

11"

11"

¾" DIA.

FLATTEN 1¼" FOR WRENCH

FLATTEN 1¼" FOR WRENCH

WEDGE (CAST IRON OR MALLEABLE IRON)

WEDGE (CAST IRON OR MALLEABLE IRON)

2½" R.H.

7½" L.H.

7½" R.H.

2½" R.H.

WELDED EYE-BOLT WITH NUTS & WASHER

⅞" x 1½" x ⅛" PLAIN STEEL WASHER

¾" x 6" EYEBOLT WITH 1½" EYE

¾" - STANDARD NUTS

WELD

4"

6"

NOTES:

CHAIN LINK FENCE WITH WIRE ROPE SHALL BE INSTALLED ACCORDING TO THIS PLAN AND STANDARD PLAN R-98-SERIES. THE WIRE ROPE SHALL BE ANCHORED ACCORDING TO THIS PLAN AND INSTALLED ON STANDARD FENCE POSTS FOR CHAIN LINK FENCE WITH CHAIN LINK FABRIC PLACED ON THE INSIDE OF WIRE ROPE. THE POST NEXT TO THE ANCHORAGE REQUIRES SPECIAL FABRICATION (SEE DETAIL). ALTERNATE DESIGNS MAY BE SUBMITTED TO THE ENGINEER FOR CONSIDERATION AND APPROVAL.
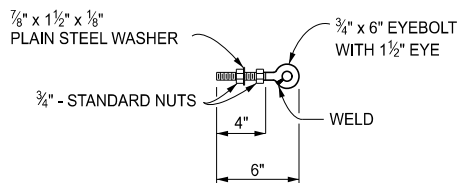
ALL POSTS, WIRE ROPES, AND FITTINGS SHALL BE GALVANIZED ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION.

ALL WELDING SHALL BE DONE ACCORDING TO THE STANDARD SPECIFICATIONS FOR CONSTRUCTION. TURNBUCKLES SHALL BE OF THE OPEN TYPE AND SHALL EACH PROVIDE A MINIMUM TAKEUP OF 1'-0".

ANCHORAGE SHALL BE PROVIDED ON EACH END OF CABLES WITH ONE TURNBUCKLE FOR EACH 500' RUN OF WIRE ROPE. MAXIMUM DISTANCE BETWEEN ANCHORAGES SHALL BE 1000'. WHEN PLACING WIRE ROPE IN EXISTING FENCE, THE CONCRETE ANCHORS MAY BE PLACED 2'-0" BEYOND THE 10'-0" TYPICAL POST SPACING, LEAVING THE EXISTING POST IN PLACE.

TENSION WIRE AND WIRE ROPES SHALL BE STRETCHED TAUT.

TOP AND BOTTOM SELVAGES OF FENCE FABRIC SHALL HAVE A KNUCKLED FINISH.