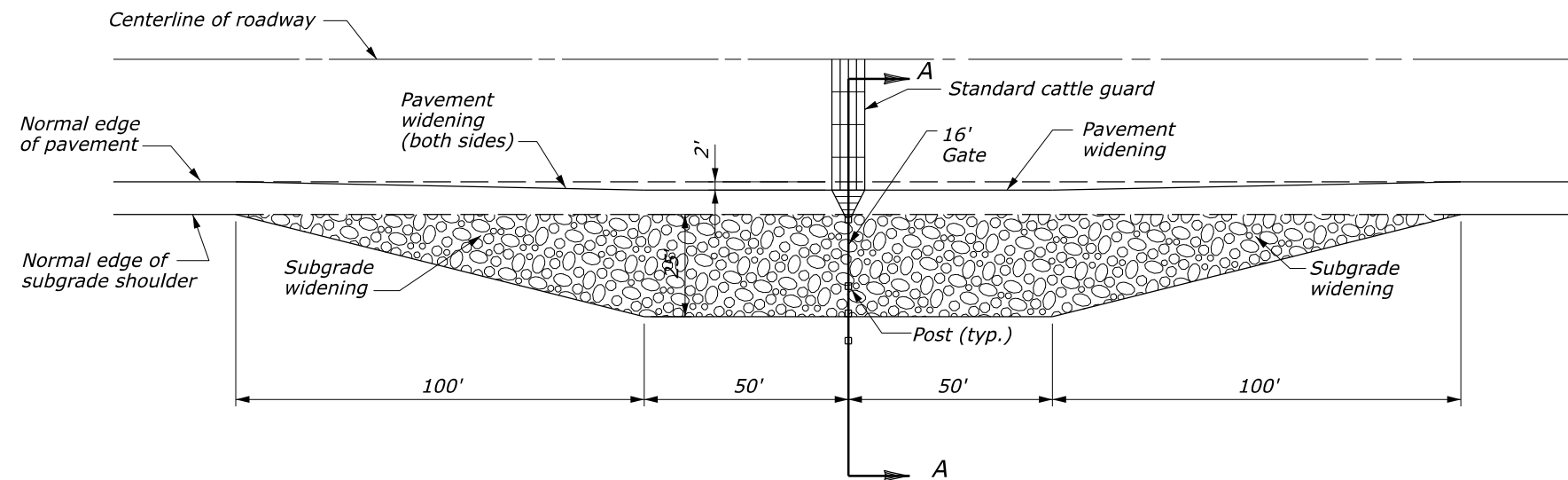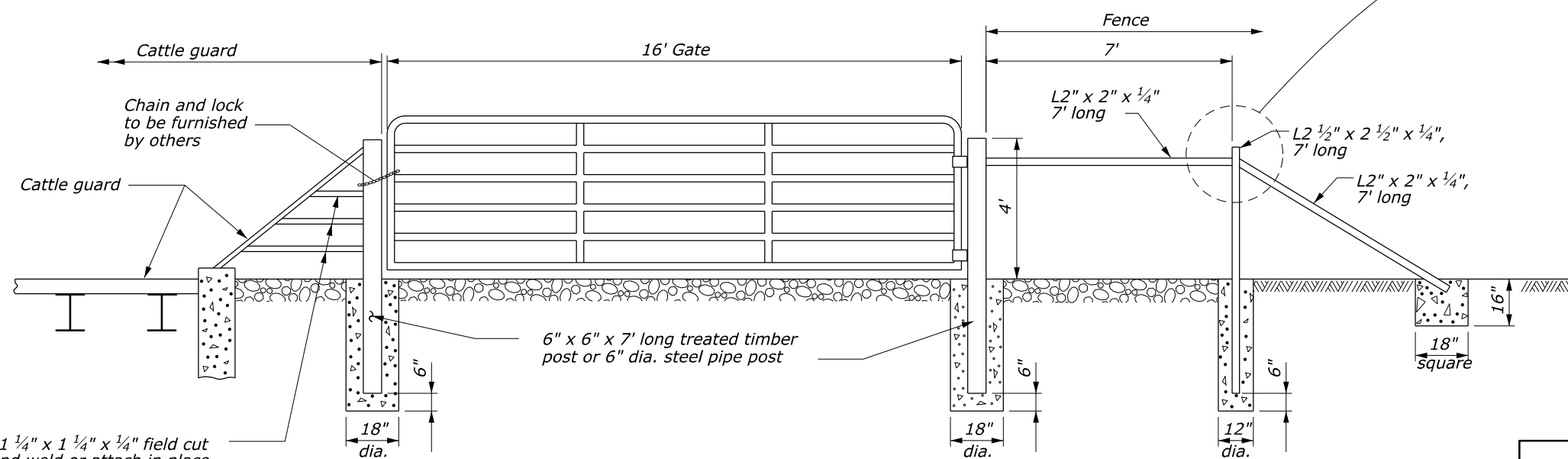**NOTE:**

1. Install gate post and brace panel as shown. Use 1/2-inch x 1-inch machine bolts and nuts.

2. Paint all of the fence posts and braces the same color as the gate.

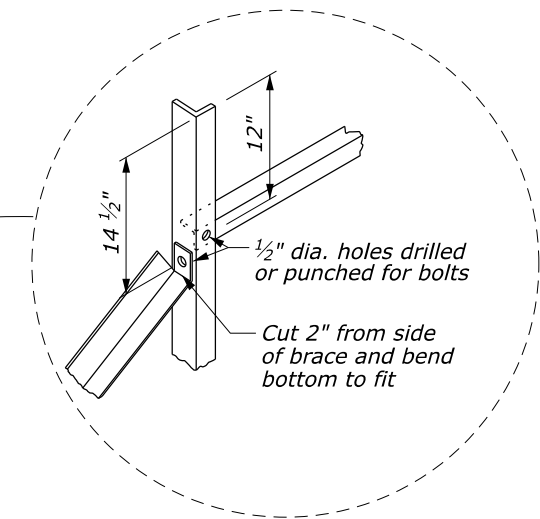3. Provide concrete conforming to Section 601.

Centerline of roadway

Normal edge of pavement

Pavement widening (both sides)

2'

A — A

Standard cattle guard

16' Gate

Pavement widening

Normal edge of subgrade shoulder

Subgrade widening

25'

Subgrade widening

Post (typ.)

| 100' | 50' | 50' | 100' |

PLAN

14 ½"

12"

½" dia. holes drilled or punched for bolts

Cut 2" from side of brace and bend bottom to fit

Cattle guard

16' Gate

Fence

7'

Chain and lock to be furnished by others

L2" x 2" x ¼" 7' long

L2 ½" x 2 ½" x ¼", 7' long

Cattle guard

L2" x 2" x ¼", 7' long

4'

6" x 6" x 7' long treated timber post or 6" dia. steel pipe post

6"

6"

6"

16"

18" dia.

18" dia.

12" dia.

18" square

L1 ¼" x 1 ¼" x ¼" field cut and weld or attach in place as directed when angle iron wing guard is installed. Use appropriate fencing material when wood wing guard or aluminum tubing wing guard is installed.

SECTION A-A

NO SCALE

U.S. DEPARTMENT OF TRANSPORTATION, FHWA OFFICE OF FEDERAL LANDS HIGHWAY	CFLHD DETAIL C619-52
CATTLE GUARD GATE AND WIDENING	SPECIFICATION FP-24
	APPROVED FOR USE 06/2024