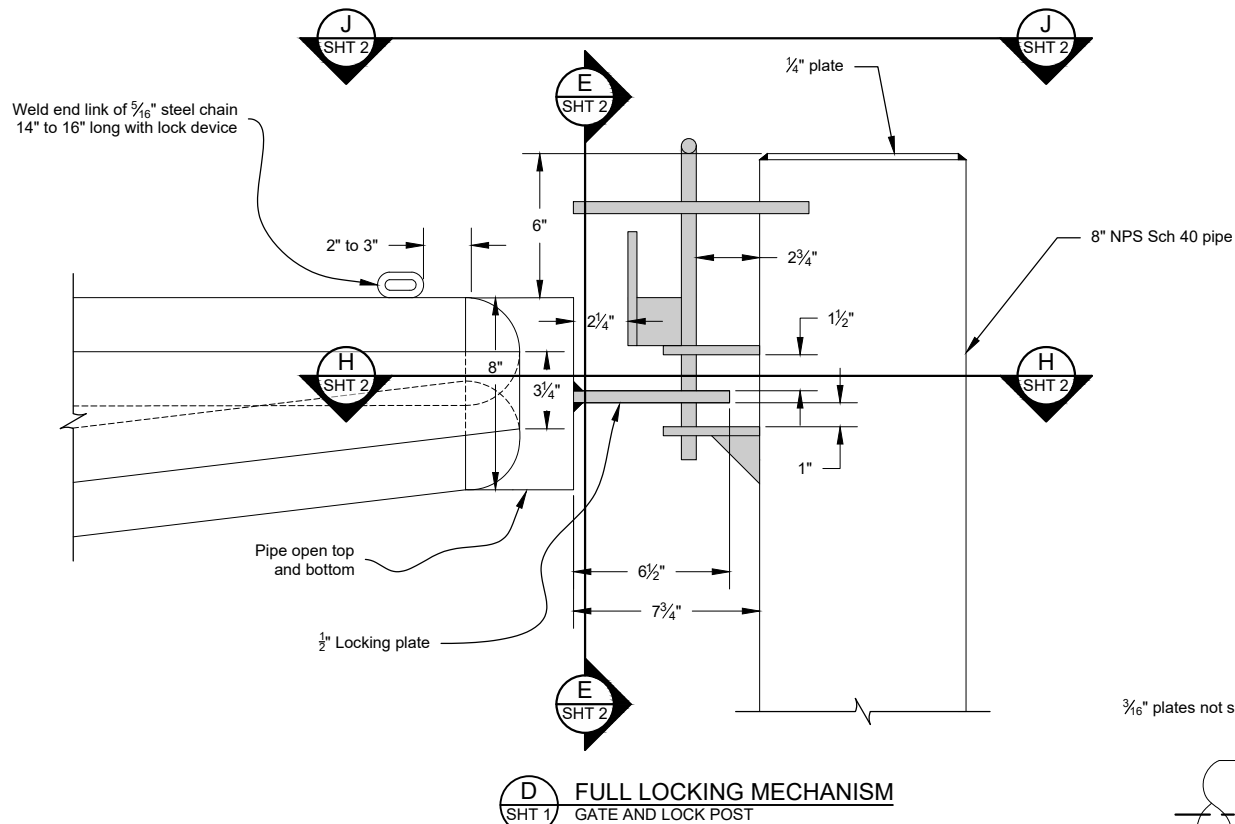
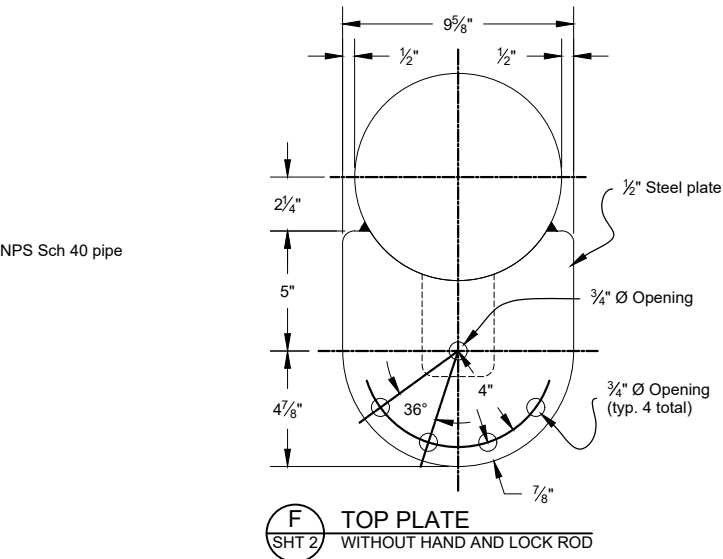


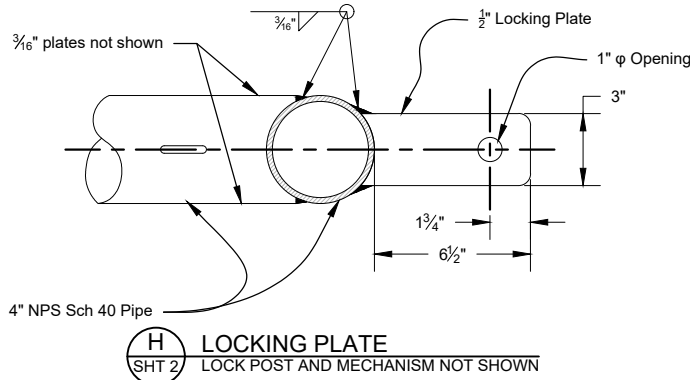
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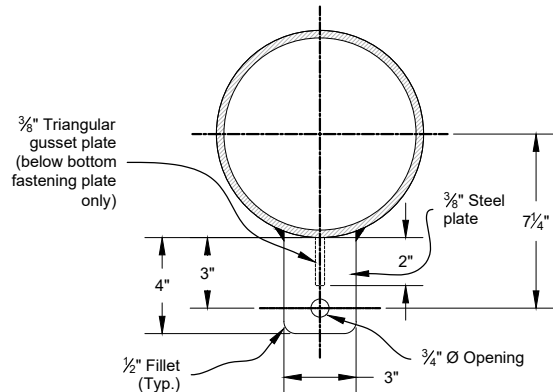
**D** FULL LOCKING MECHANISM  
SHT 1 GATE AND LOCK POST



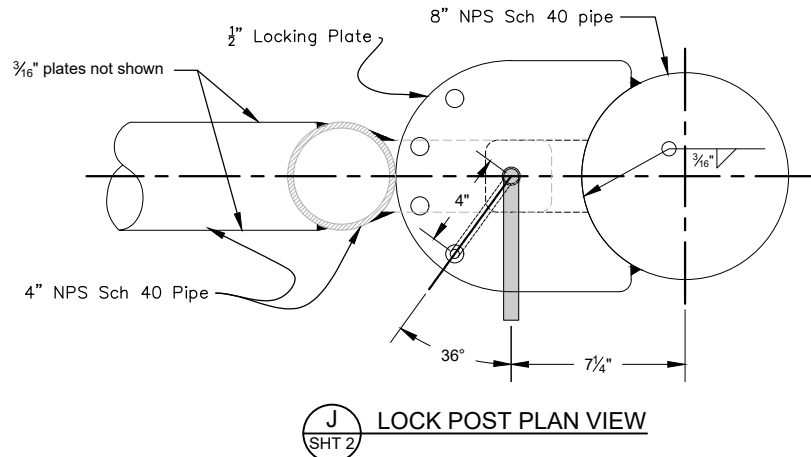
**F** TOP PLATE  
SHT 2 WITHOUT HAND AND LOCK ROD



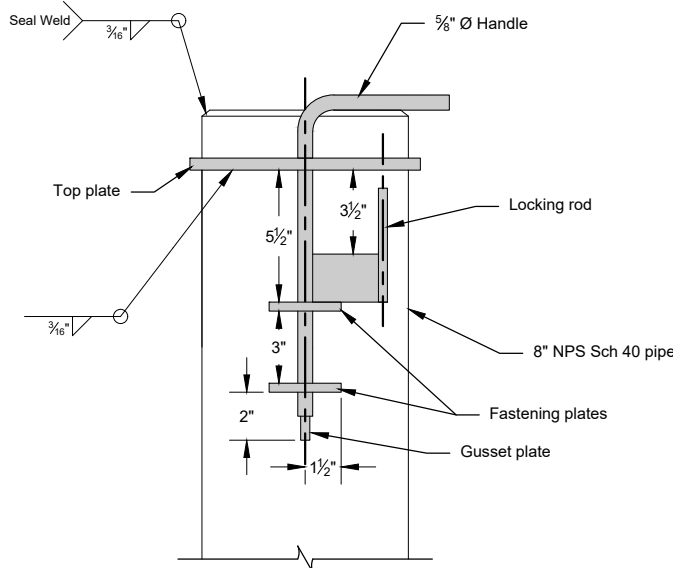
**H** LOCKING PLATE  
SHT 2 LOCK POST AND MECHANISM NOT SHOWN



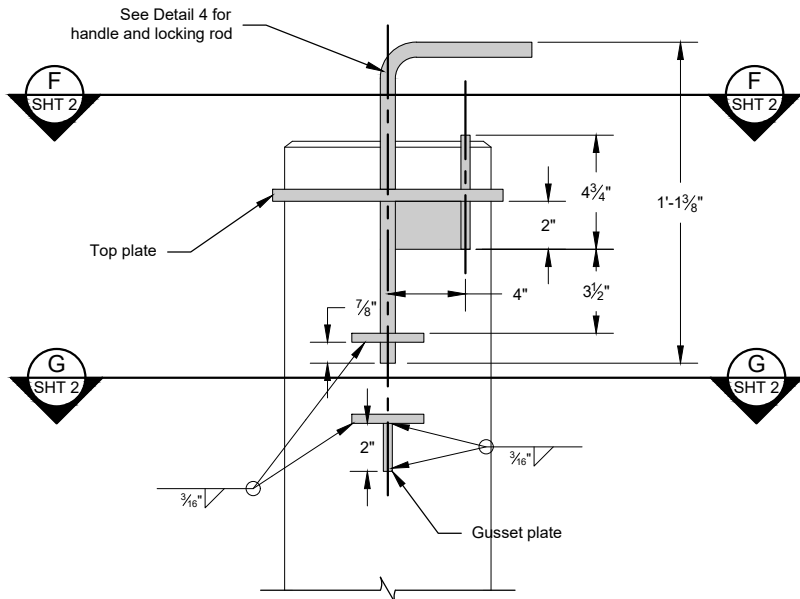
**G** FASTENING PLATE  
SHT 2 WITHOUT HAND AND LOCK ROD



**J** LOCK POST PLAN VIEW  
SHT 2



**E** LOCKING MECHANISM  
SHT 2 CLOSED POSITION  
GATE LOCKING PLATE NOT SHOWN



**E** LOCKING MECHANISM  
SHT 2 OPEN POSITION  
GATE LOCKING PLATE NOT SHOWN

**NOTES:**

Continued from Sheet 1.

17. The gate and all posts shall be painted. Locking device, hinge pin, snaps, and chains shall not be painted.

17.1. To ensure the greatest adhesion with the concrete, the portions of the gate being embedded in concrete shall not be painted. An overlap on one to two inches of concrete onto the paint is acceptable to ensure that primer is not exposed to the elements.

**18. Coating System (Paint) Requirements**

18.1. Color shall be ANSI Z535.1 safety red (Pantone 186C), gloss or high-gloss finish.

18.2. Based upon South Florida, Central Arizona, ASTM D4141, ASTM D4364, or ASTM D7869 testing representing a five (5) year minimum test cycle, coating shall meet the following requirements:

18.2.1. Fading (ASTM D2244)	max, 5E color change
18.2.2. Chalking (ASTM D4214)	max, 8 chalk rating
18.2.3. Gloss retention (ASTM D523)	greater than 30%
18.2.4. Erosion (ASTM B244)	max, 10% loss
18.2.5. Dry Film Hardness (ASTM D3363)	F with no rupture
18.2.6. Film Adhesion (ASTM D3359)	4B or 5B
18.2.7. Abrasion Resistance (ASTM D968)	greater than 20

18.3. To aid in comparisons between tests, a year shall be assumed to equal 275 MJ/m<sup>2</sup>.

18.4. Paint that meets AAMA 2604 or AAMA 2605 (2017 or newer) meets these requirements.

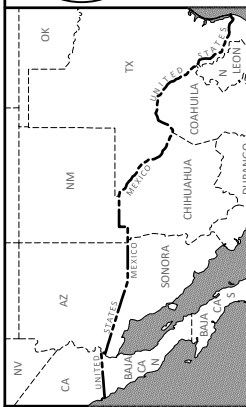
19. All gate metal shall be prepared per coating manufacturer's requirements prior to application of primer. If no metal preparation is specified by the coating manufacturer, clean gate metal per SSPC SP-10 or SP10 (WAB).

20. Snap shall be at least 4 1/2" long with 1/2" opening. Snap may be open end snap installed on chain or rigid end with chain link welded closed around snap. Ensure snap will close completely around link welded to top of gate (see Section E).

21. For general distance from crossroads for gate installation, see USIBWC Standard Drawing 26424-005-xx Detail 11. Gates are preferred approximately 75 feet from the crossroad to allow a semi truck and lowboy to park without extending into traffic. For locations where a semi truck and trailer cannot turn onto the levee, gates are preferred 50 feet from the crossroad to allow a pickup truck and flatbed trailer to park without extending into traffic.

22. If it is required for the gate to only swing in one direction, rotate the lock post by 90°.

23. Confirm number of locking holes in Top Plate before manufacture.



INTERNATIONAL BOUNDARY AND WATER COMMISSION  
UNITED STATES AND MEXICO  
UNITED STATES SECTION

LOWER RIO GRANDE FLOOD CONTROL PROJECT

STANDARD DRAWING

HEAVY DUTY VEHICULAR GATE

STANDARD DRAWING

A.D.S./A.G.  
DESIGNED  
Andrea Glover  
DRAWN

CHECKED

TECHNICAL APPROVAL

ADMIN APPROVAL

USIBWC HQ-CON 1-4-2022

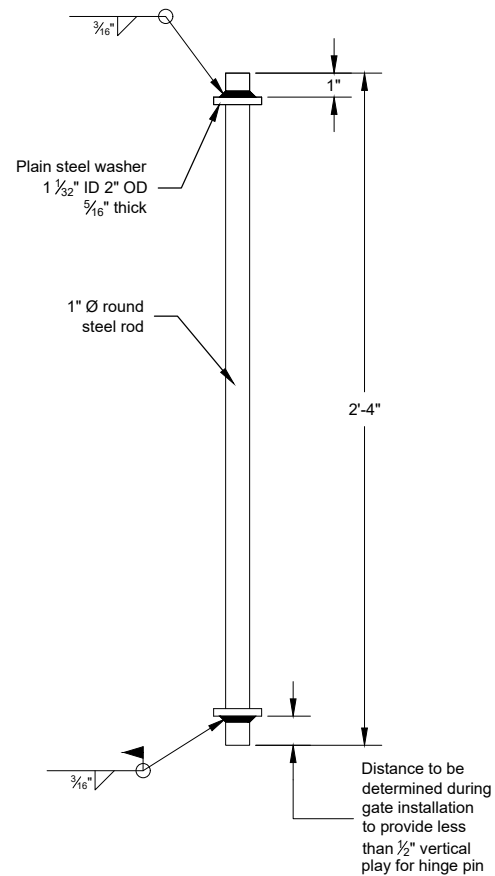
GATE MANUFACTURE  
AND INSTALLATION

IFB/RFP NUMBER CONTRACT NUMBER

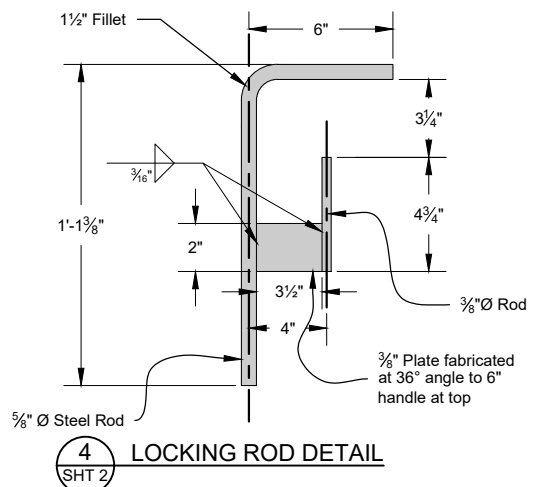
CONTRACTOR/DESIGNER DRAWING NUMBER

USIBWC DRAWING NUMBER

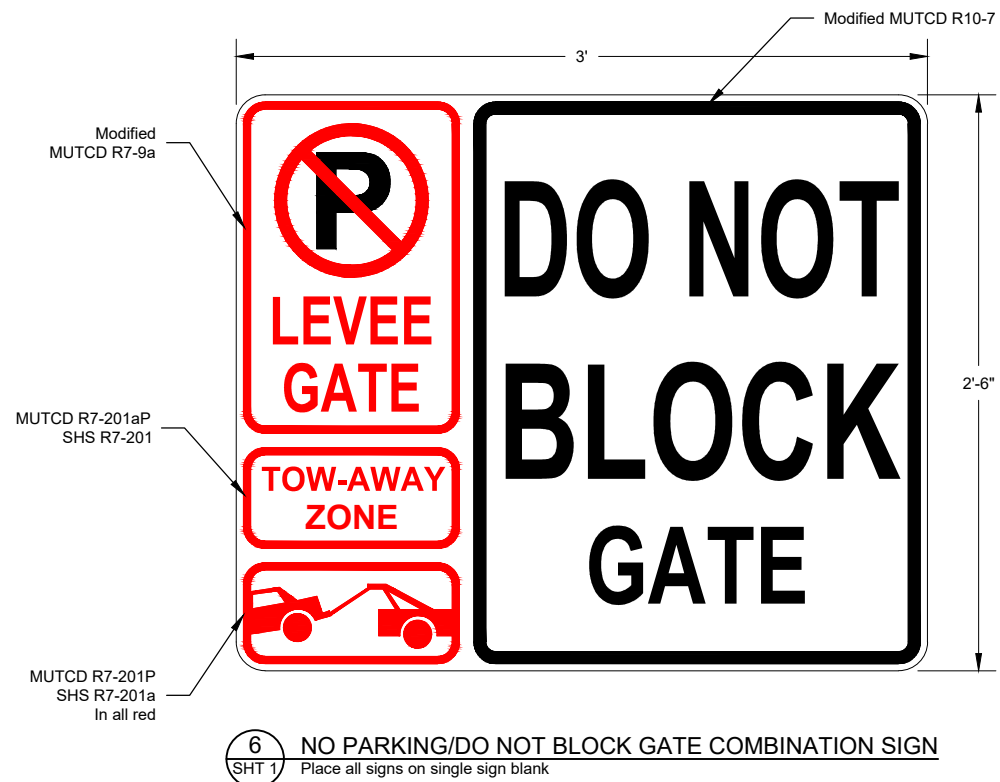
26422-002-01



5 HINGE PIN DETAIL  
SHT 1 One per gate



4 LOCKING ROD DETAIL  
(SHT 2)



**6 NO PARKING/DO NOT BLOCK GATE COMBINATION SIGN**  
 SHT 1 Place all signs on single sign blank

USIBWC DRAWING NUMBER

**26422-003-01**

