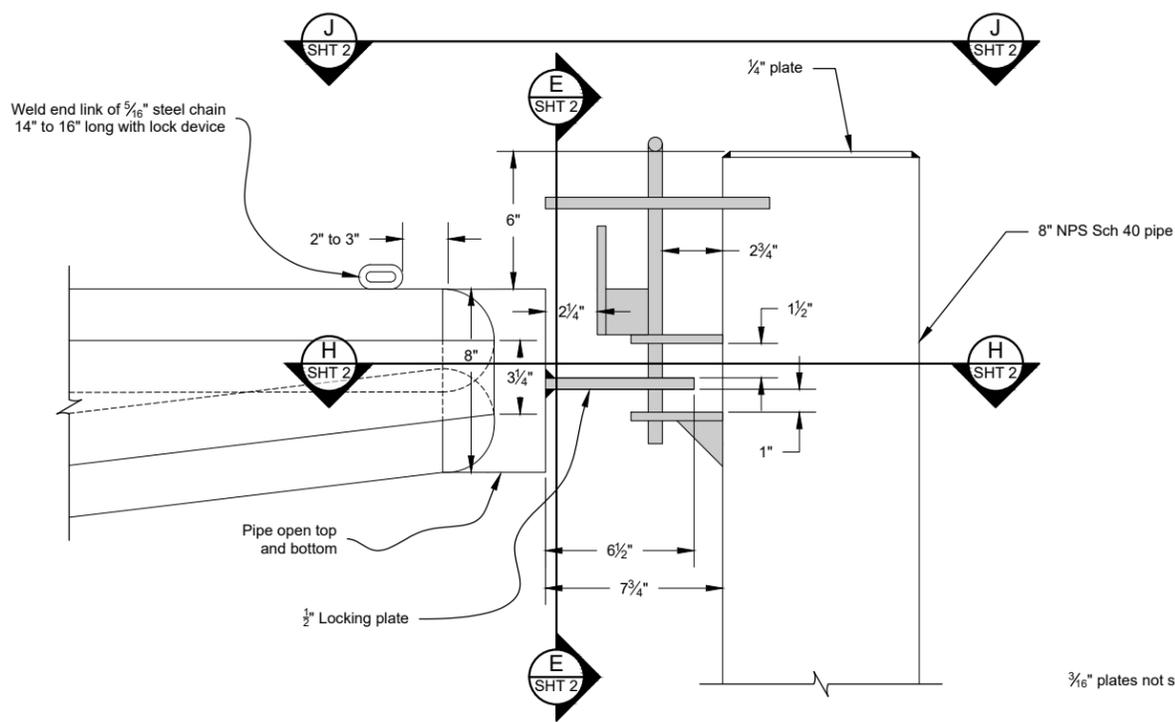
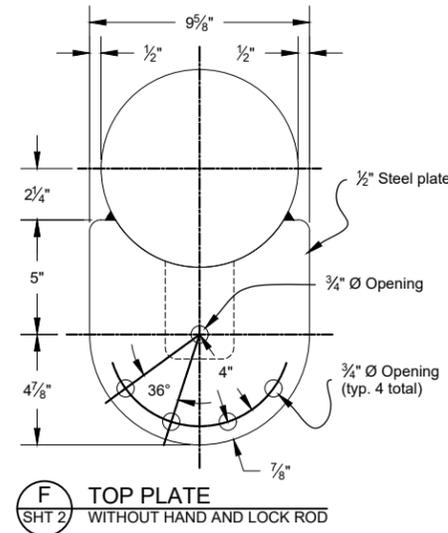




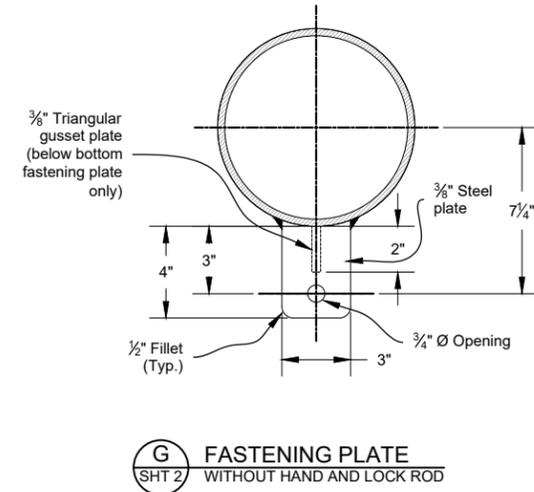
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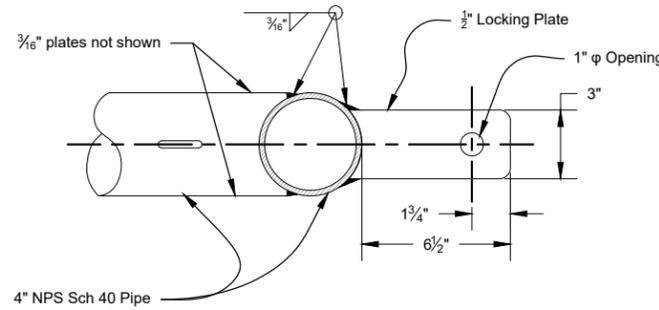
**D** FULL LOCKING MECHANISM  
 SHT 1 GATE AND LOCK POST



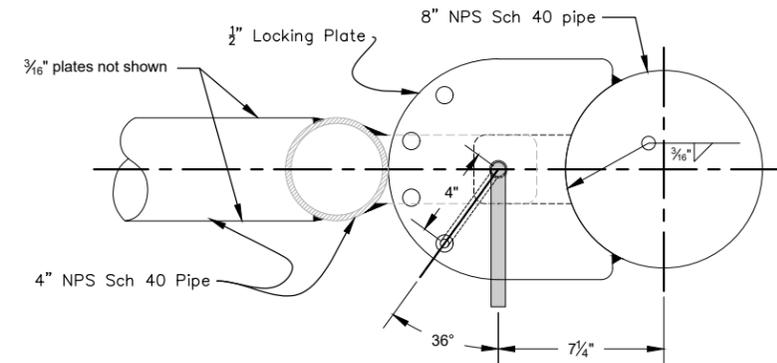
**F** TOP PLATE  
 SHT 2 WITHOUT HAND AND LOCK ROD



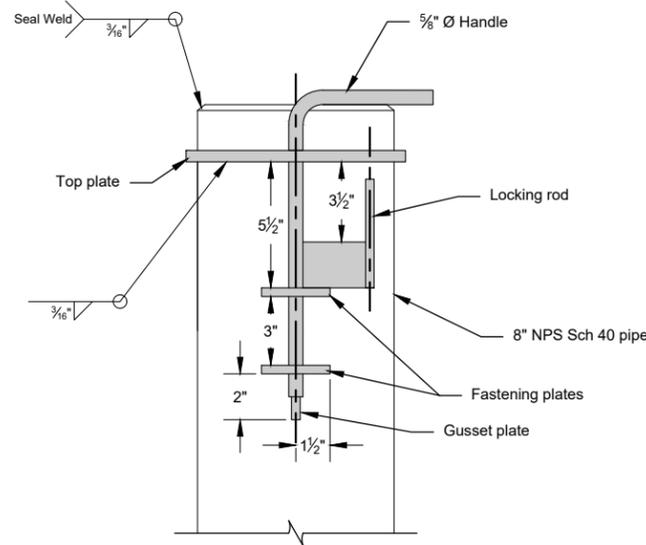
**G** FASTENING PLATE  
 SHT 2 WITHOUT HAND AND LOCK ROD



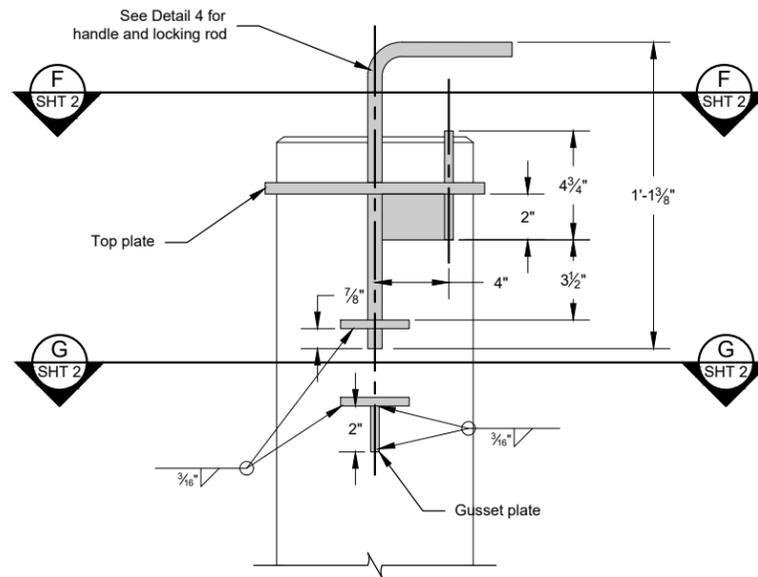
**H** LOCKING PLATE  
 SHT 2 LOCK POST AND MECHANISM NOT SHOWN



**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.

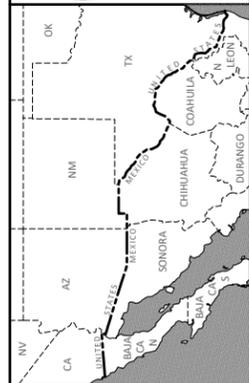
19. All gate metal shall be prepared per coating manufacturer's requirements prior to application of primer. If no metal preparation is specified by the coating manufacturer, clean gate metal per SSPC SP-10 or SP10 (WAB).

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	Updated to USIBWC drawing border and to match JRG gates August 18, 2023 Andrea Glover, PE REVISION DESCRIPTION DATE
DESIGNED	1
DRAWN	1

A.D.S./A.G. DESIGNED Andrea Glover	
CHECKED	
TECHNICAL APPROVAL	
ADMIN APPROVAL	
USIBWC HQ-CON	1-4-2022

<b>GATE MANUFACTURE AND INSTALLATION</b>	
IB/RFP NUMBER	CONTRACT NUMBER
CONTRACTOR/DESIGNER DRAWING NUMBER	
USIBWC DRAWING NUMBER	
<b>26422-002-01</b>	



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20 30 40 50 60

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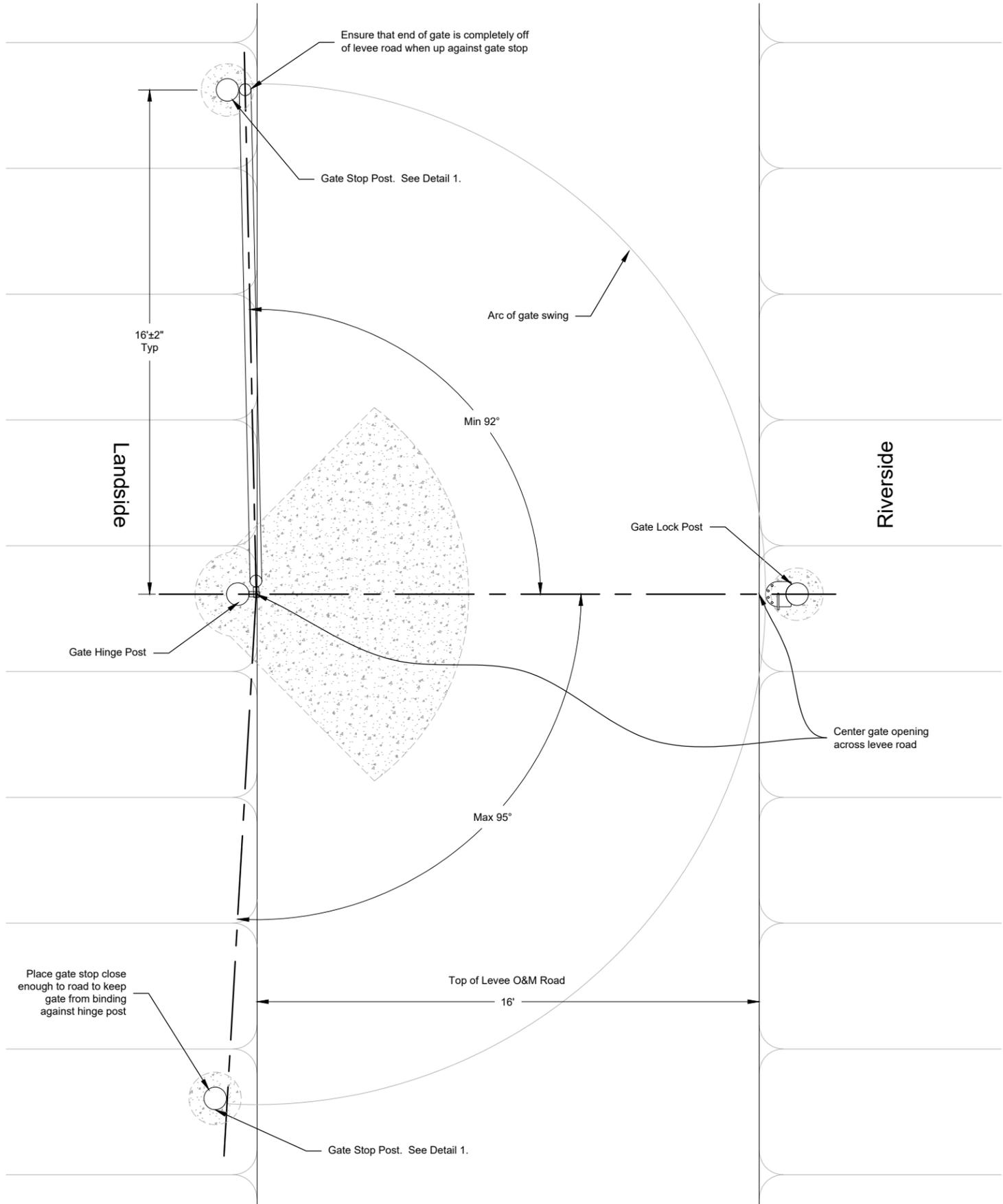
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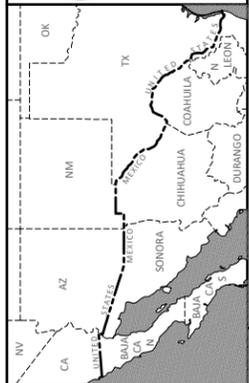
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2d (Auto 16bit)

IBWC Border V20210903



**L** PLAN VIEW OF GATE INSTALLLATION

NOTES:  
See Sheets 1 and 2 for notes.



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

LOWER RIO GRANDE FLOOD CONTROL PROJECT

STANDARD DRAWING  
HEAVY DUTY VEHICULAR GATE

REV. NO.	DESCRIPTION OF REVISION
1	Updated to USBWIC drawing border and to match JRG gates

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  
**26422-004-01**

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