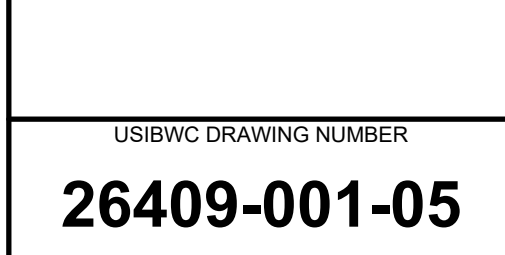




- Additional notes on Sheet 2.



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Sheet Set Name  
Heavy Duty Vehicle Gate

Plot Style Table Name  
IBWC.ctb

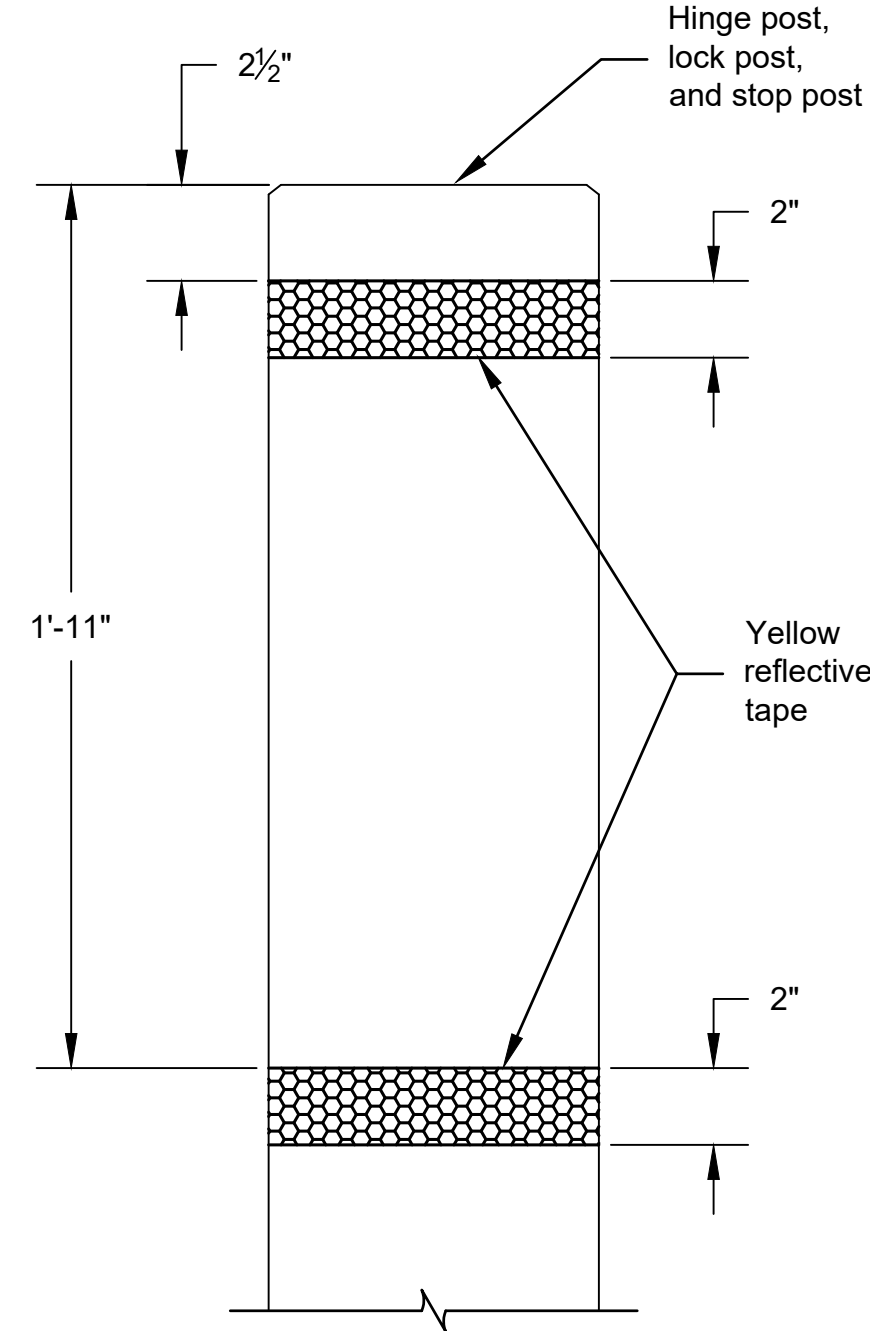
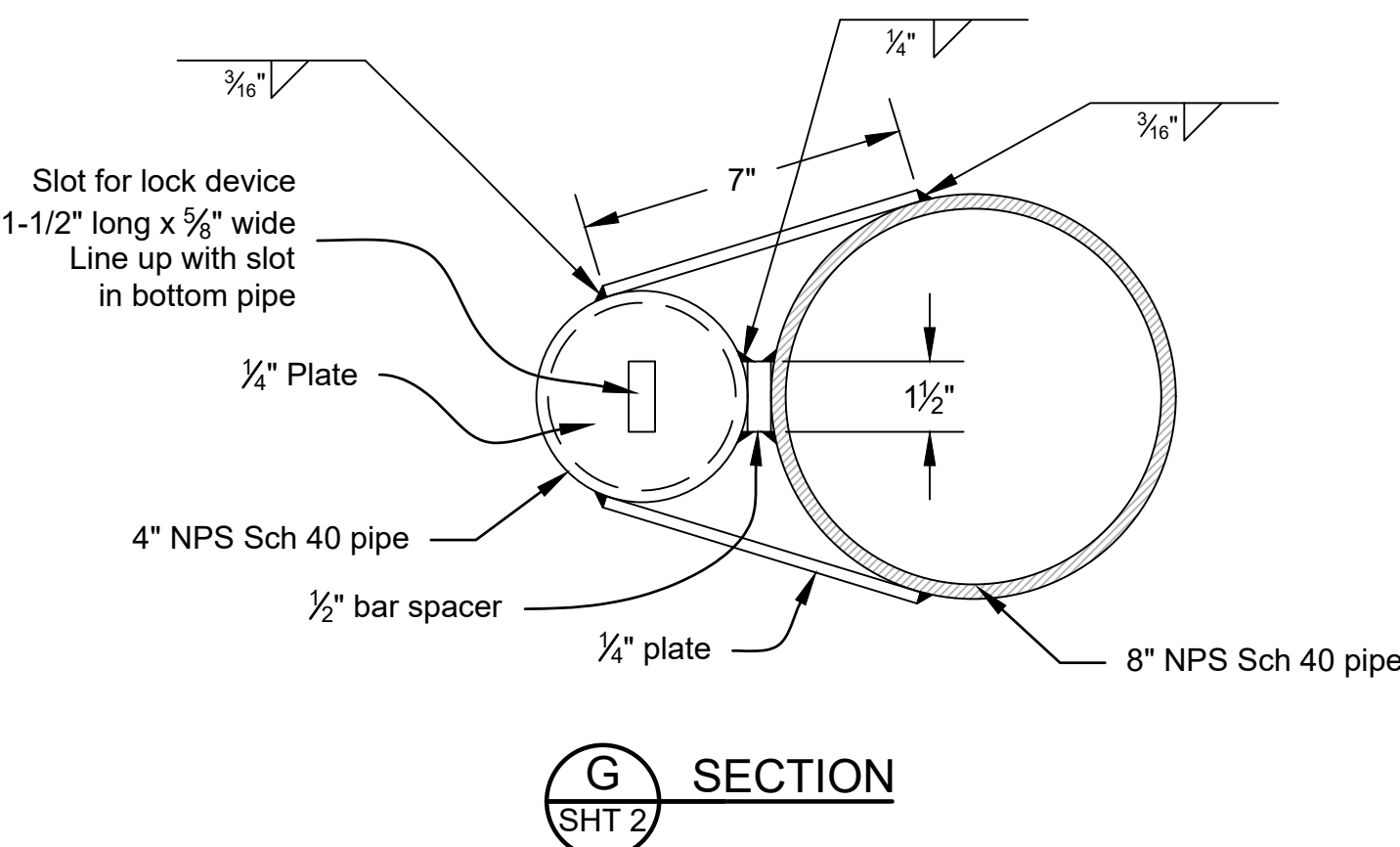
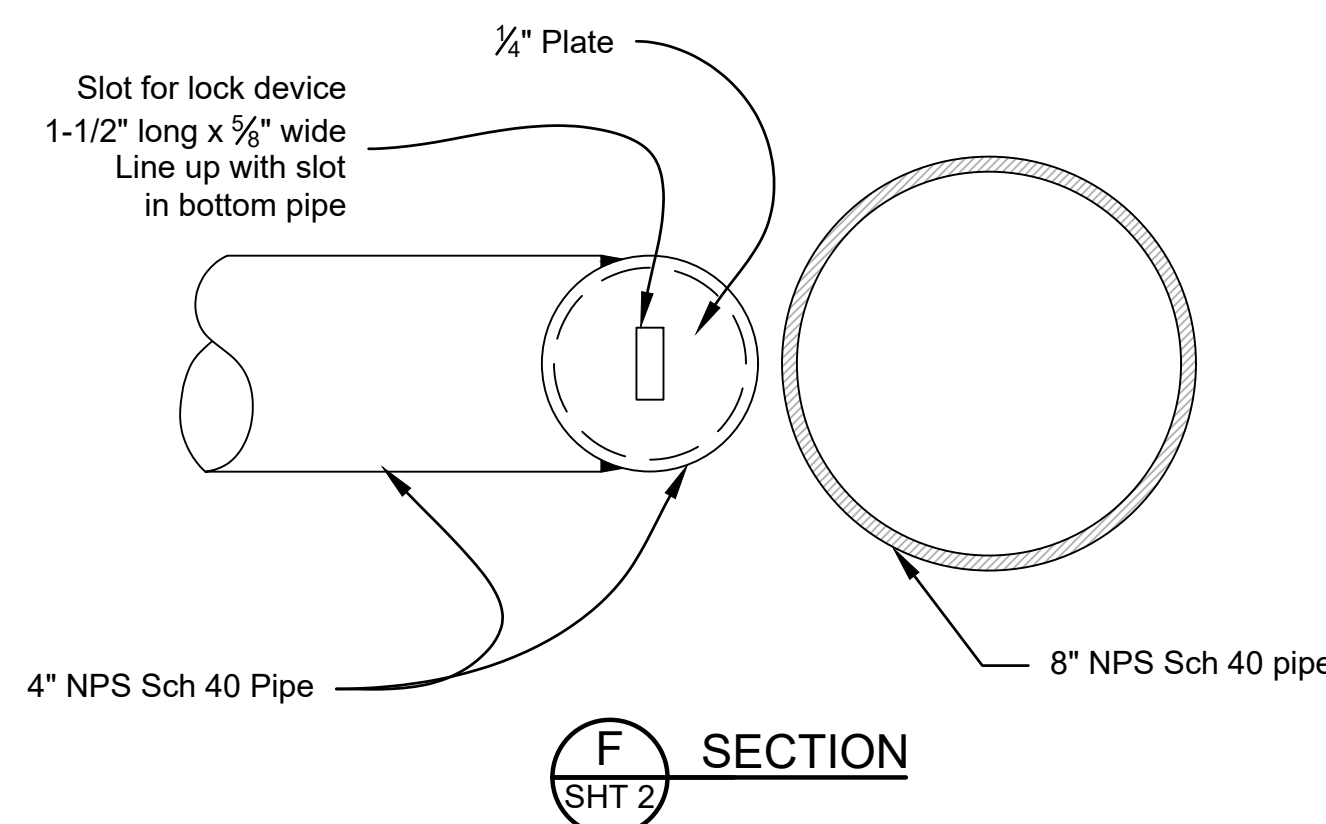
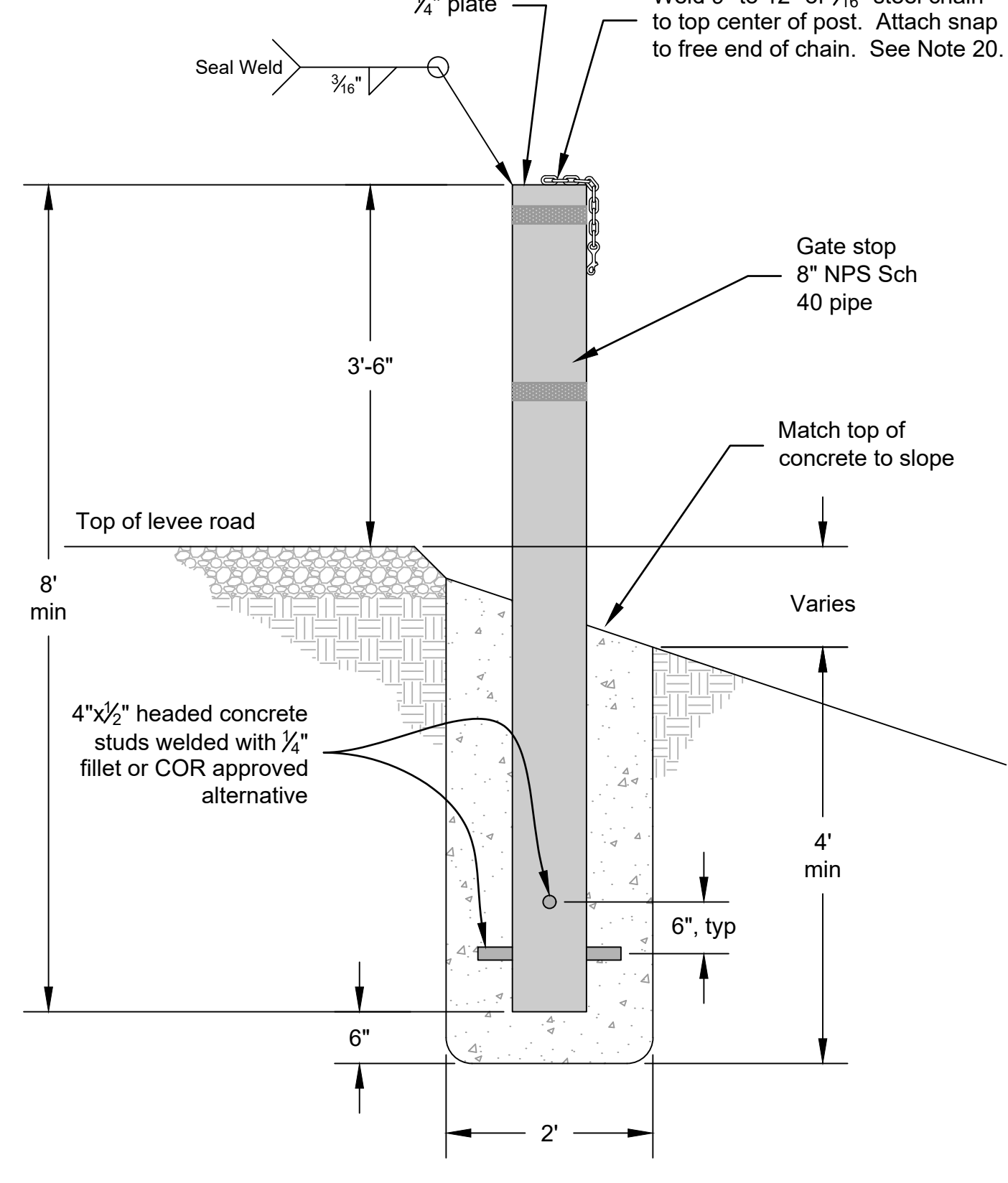
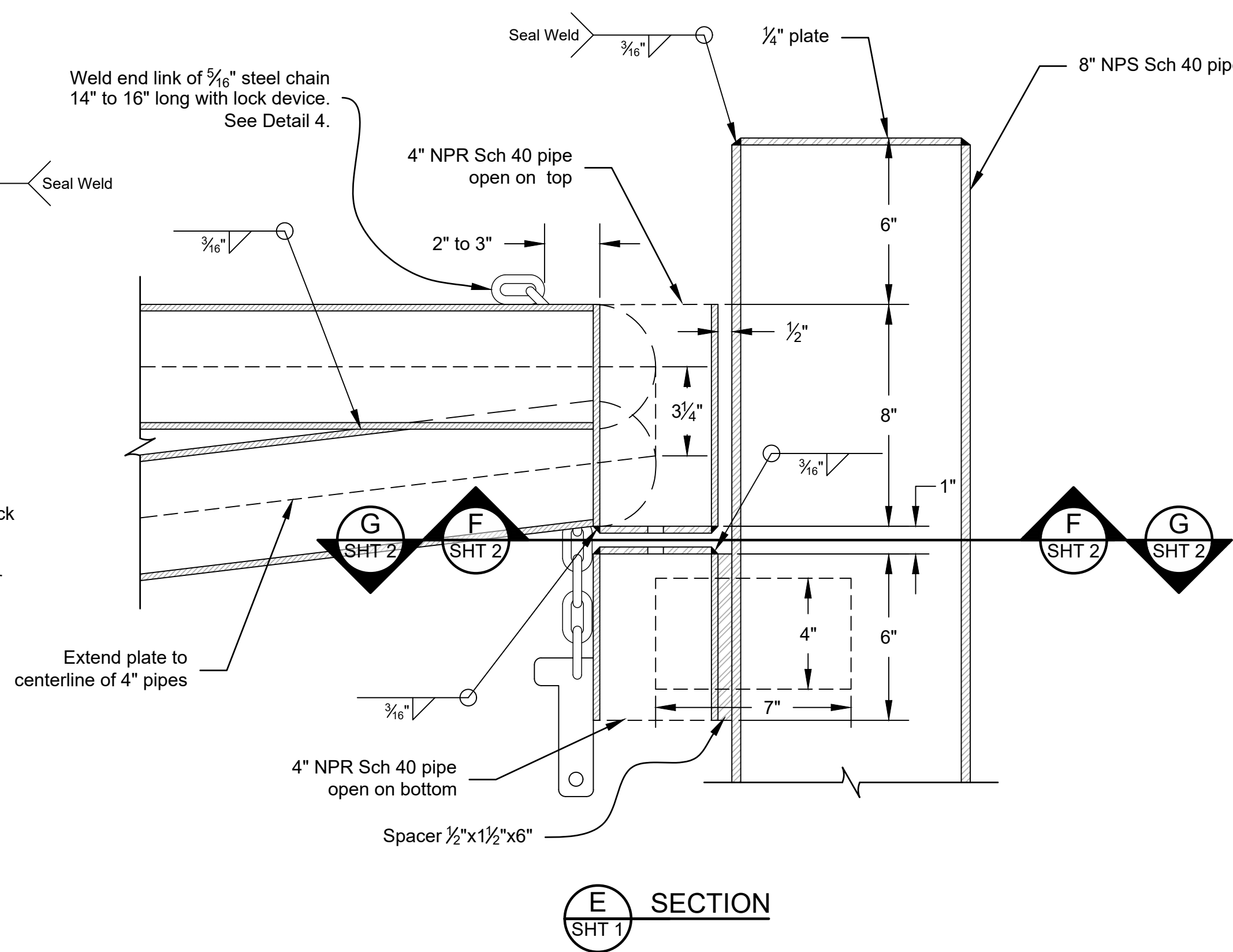
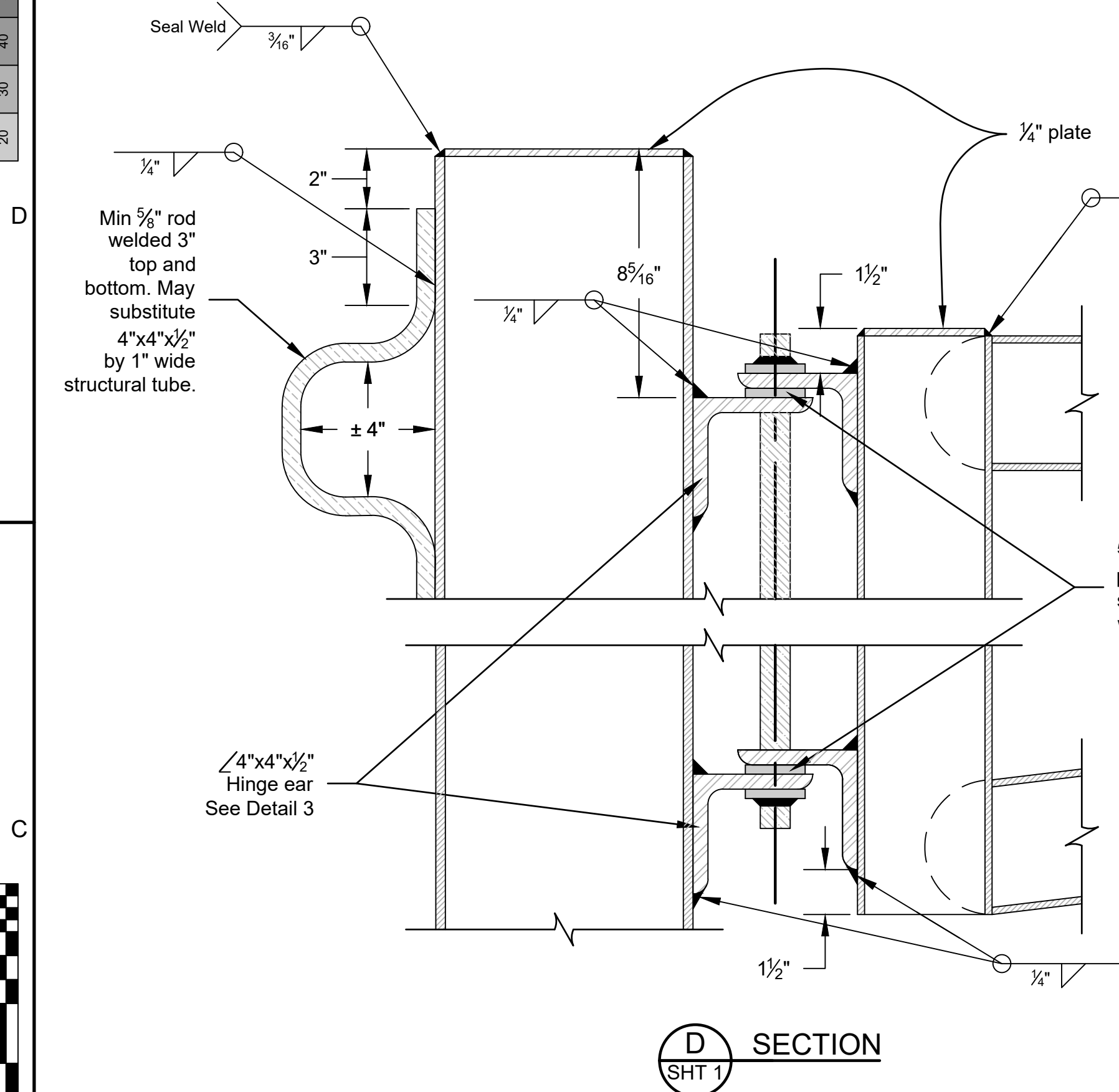
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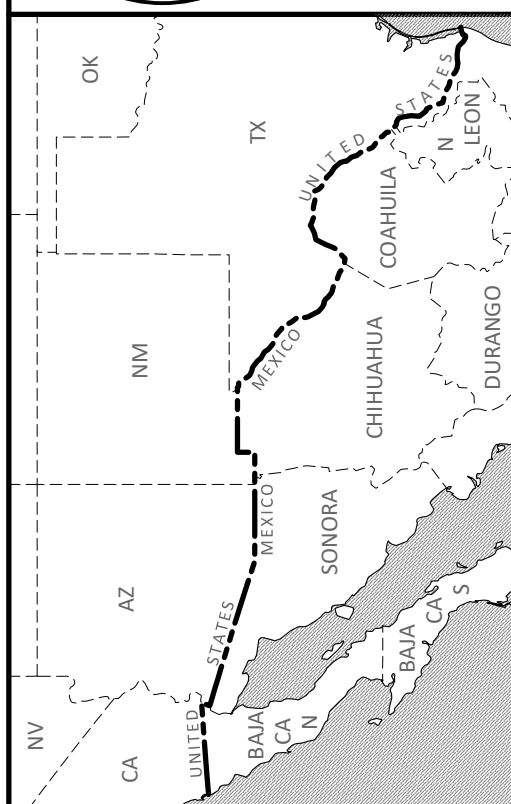
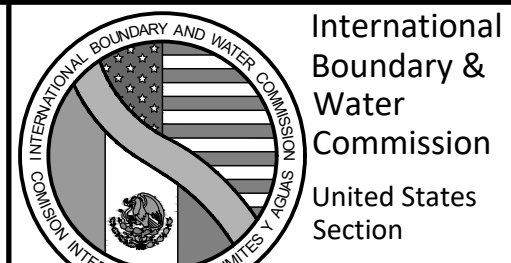
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- NOTES:**  
Continued from Sheet 1.
17. The gate and all posts shall be painted. Locking device, hinge pin, snaps, and chains shall not be painted.
- 17.1. To ensure the greatest adhesion with the concrete, the portions of the gate being embedded 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 yellow (Pantone 109C), 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.



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

RIO GRANDE CANALIZATION PROJECT  
RIO GRANDE RECTIFICATION PROJECT

STANDARD DRAWING  
HEAVY DUTY VEHICULAR GATE

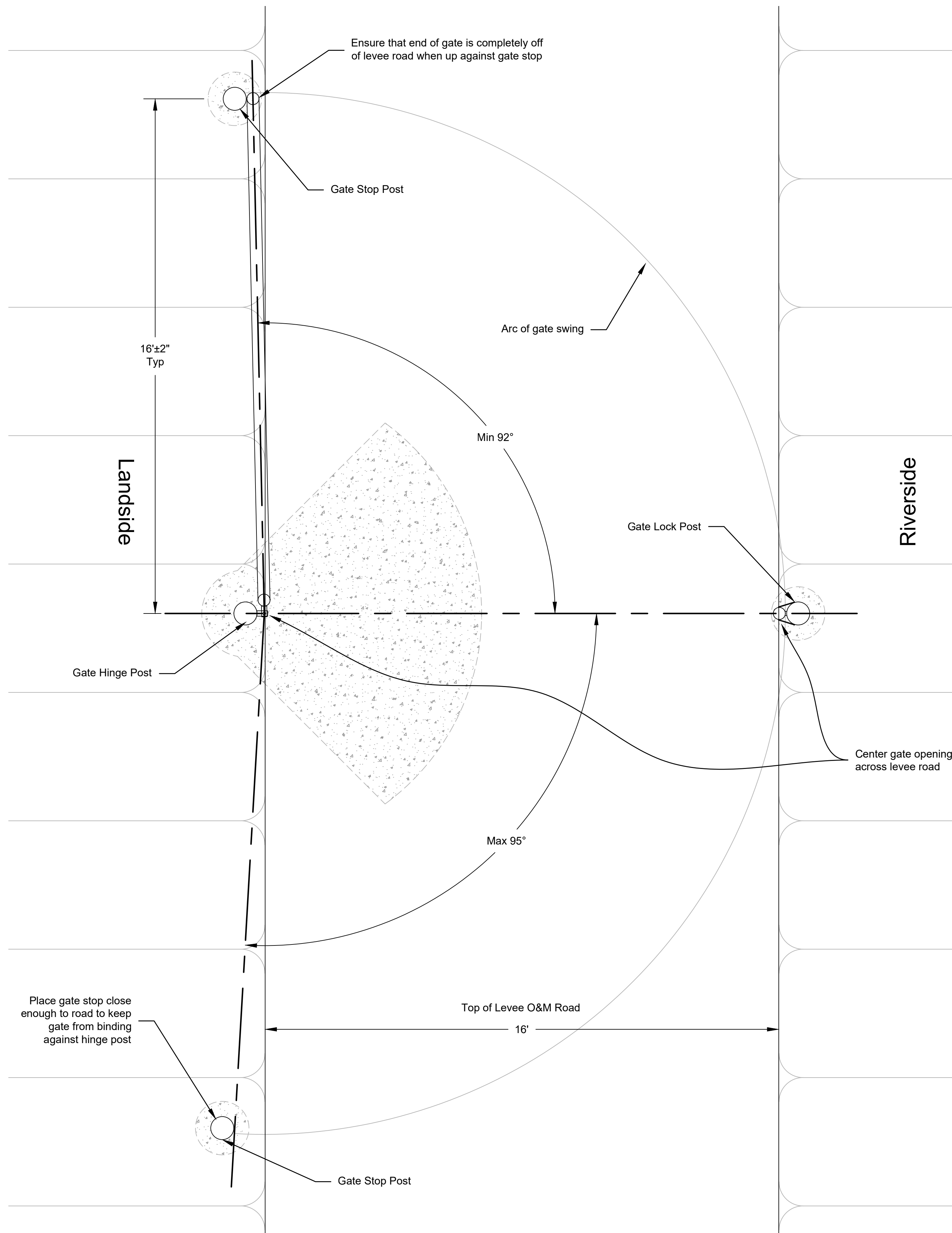
REV. NO.	DESCRIPTION OF REVISION
5	Added subsurface wiring post footing. Deleted counterweight. Added No Parking sign. Renumbered sections and details.
4	Added new Do Not Block Gate combination sign. Increased distance between lock pipes from 1/4" to 3/8". Other minor changes.
3	Changed drawing to new standard USIBWC border. Added chain. Corrected weld sizes.
2	Raised gate from 6" to 1" off ground.
1	Added deadmen counterweight.

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

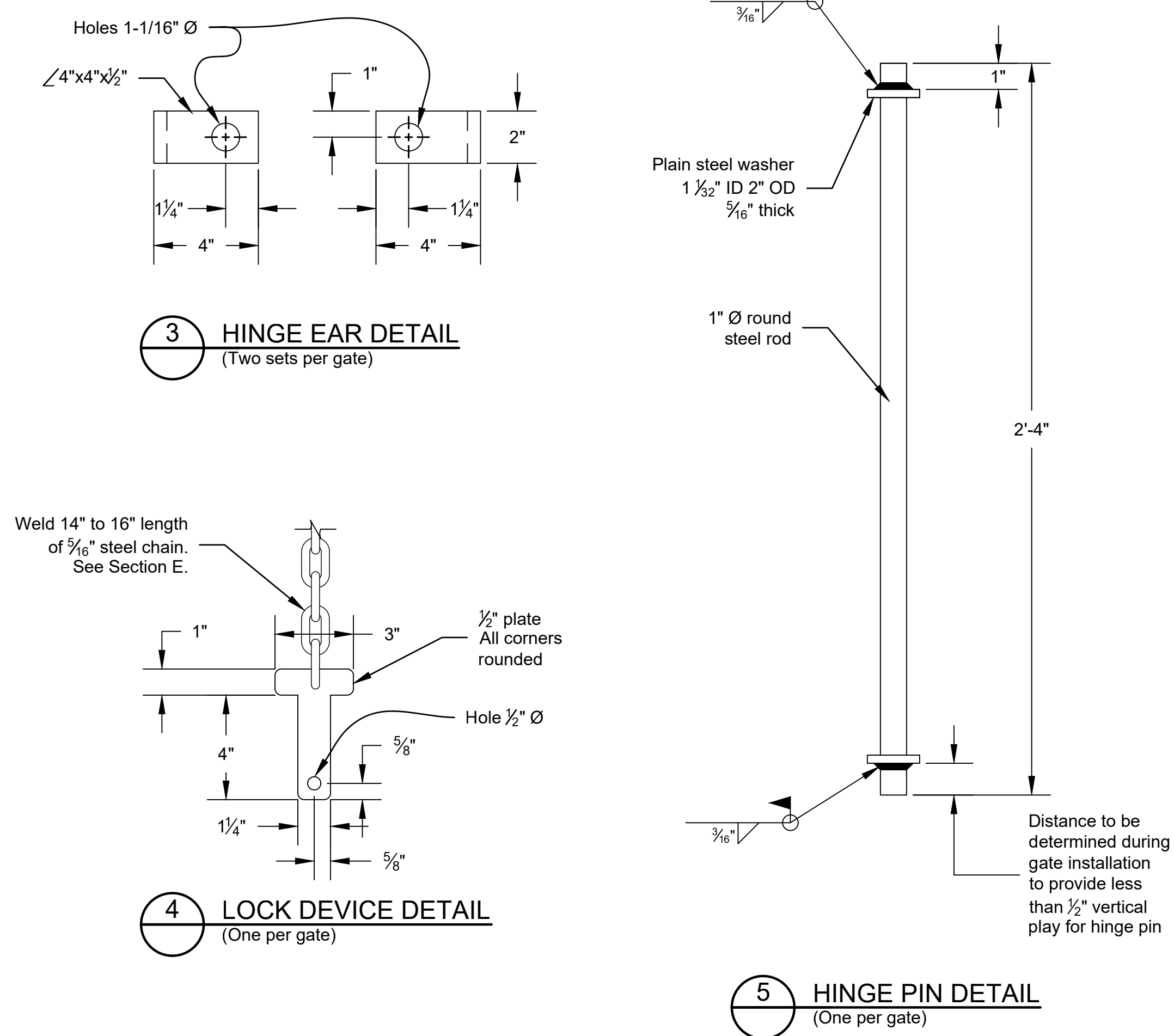
GATE MANUFACTURE AND INSTALLATION	
IBF/RFP NUMBER	CONTRACT NUMBER
CONTRACTOR/DESIGNER DRAWING NUMBER	

USIBWC DRAWING NUMBER
26409-002-05





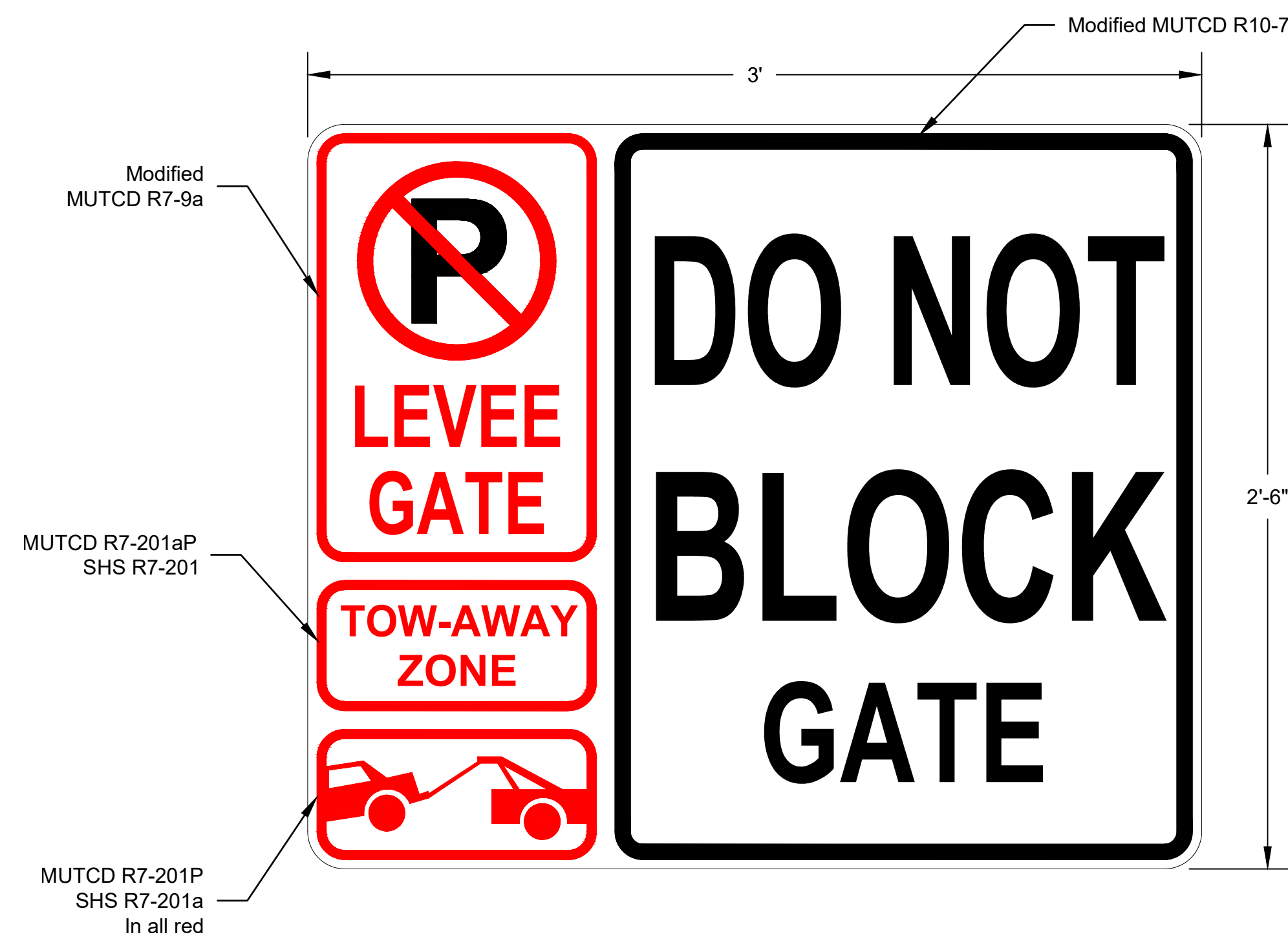
 PLAN VIEW OF GATE INSTALLATION



3 HINGE EAR DETAIL  
(Two sets per gate)

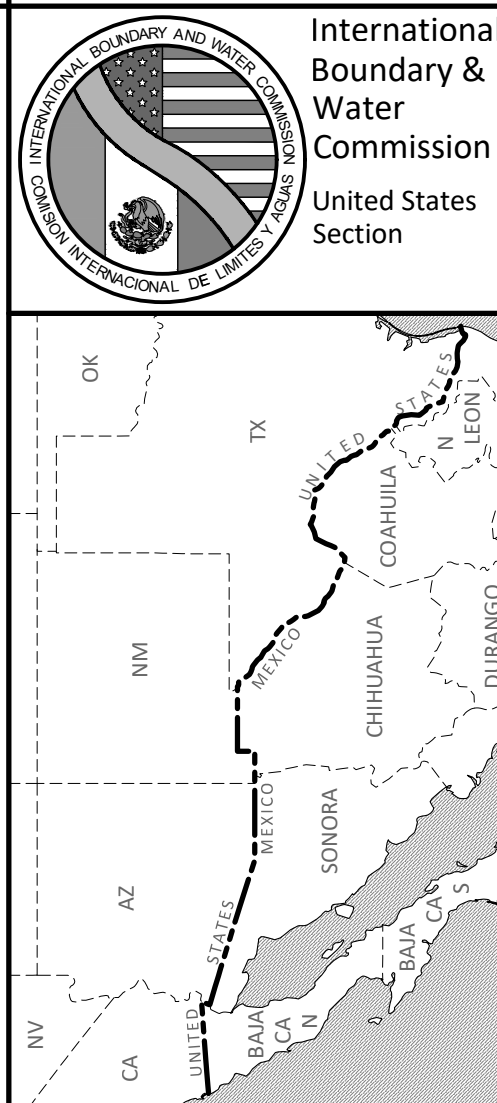
#### 4 LOCK DEVICE DETAIL

5 HINGE PIN DETAIL  
(One per gate)



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

NOTES:  
See Sheets 1 and 2 for notes.



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

RIO GRANDE CANALIZATION PROJECT  
RIO GRANDE RECTIFICATION PROJECT

STANDARD DRAWING

HEAVY DUTY VEHICULAR GATE

STANDARD DRAWING	
5	Jan 4, 2022 Andrea Glover, PE Added substructure swing stop footing. Deleted counterweight. Added No Parking sign. Renumbered sections and details.
4	Mar 1, 2021 Andrea Glover, PE Added new Do Not Block Gate combination sign. Increased section 10 between lock pipes from 14' to 2'. Other minor changes.
3	Nov 29, 2018 Andrea Glover, PE Changed drawing for new standard USBWC border. Added chain. Corrected weld size.
2	May 8, 2012 Andrea Glover, PE Raised gate from 6" to 1' off ground
1	Nov 2011 Andrea Glover, PE Added deadman counterweight

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

CHECKED

CHECKED

TECHNICAL APPROVAL

ADMIN APPROVAL
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USIBWC HQ-CON	1-4-202
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## GATE MANUFACTURE AND INSTALLATION

IEB/REP NUMBER	CONTRACT NUMBER
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CONTRACTOR/DESIGNER DRAWING NUMBER	
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USIBWC DRAWING NUMBER
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**26409-003-05**