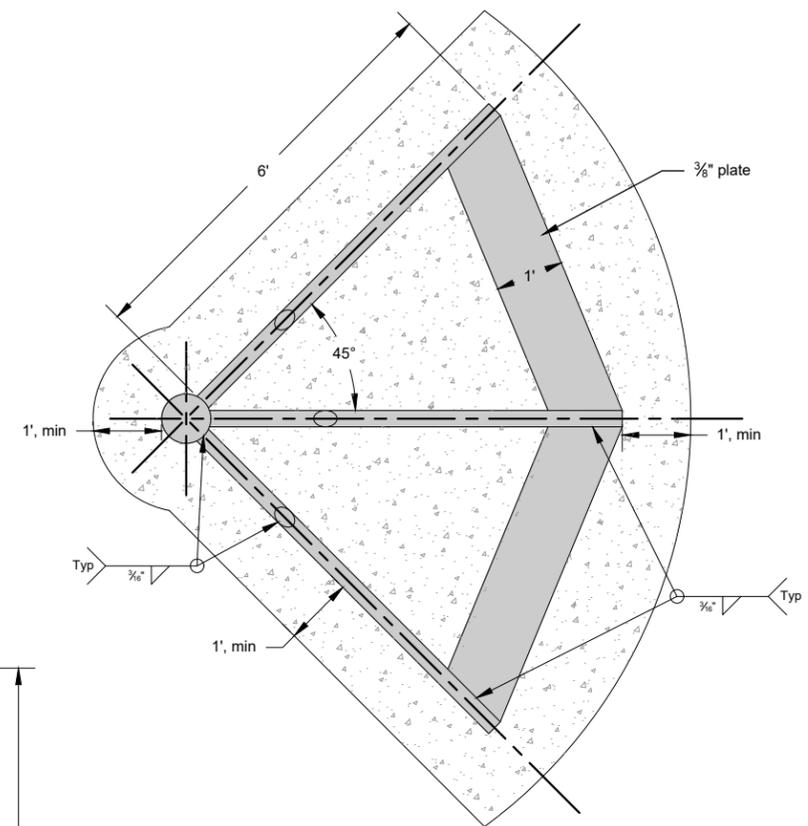
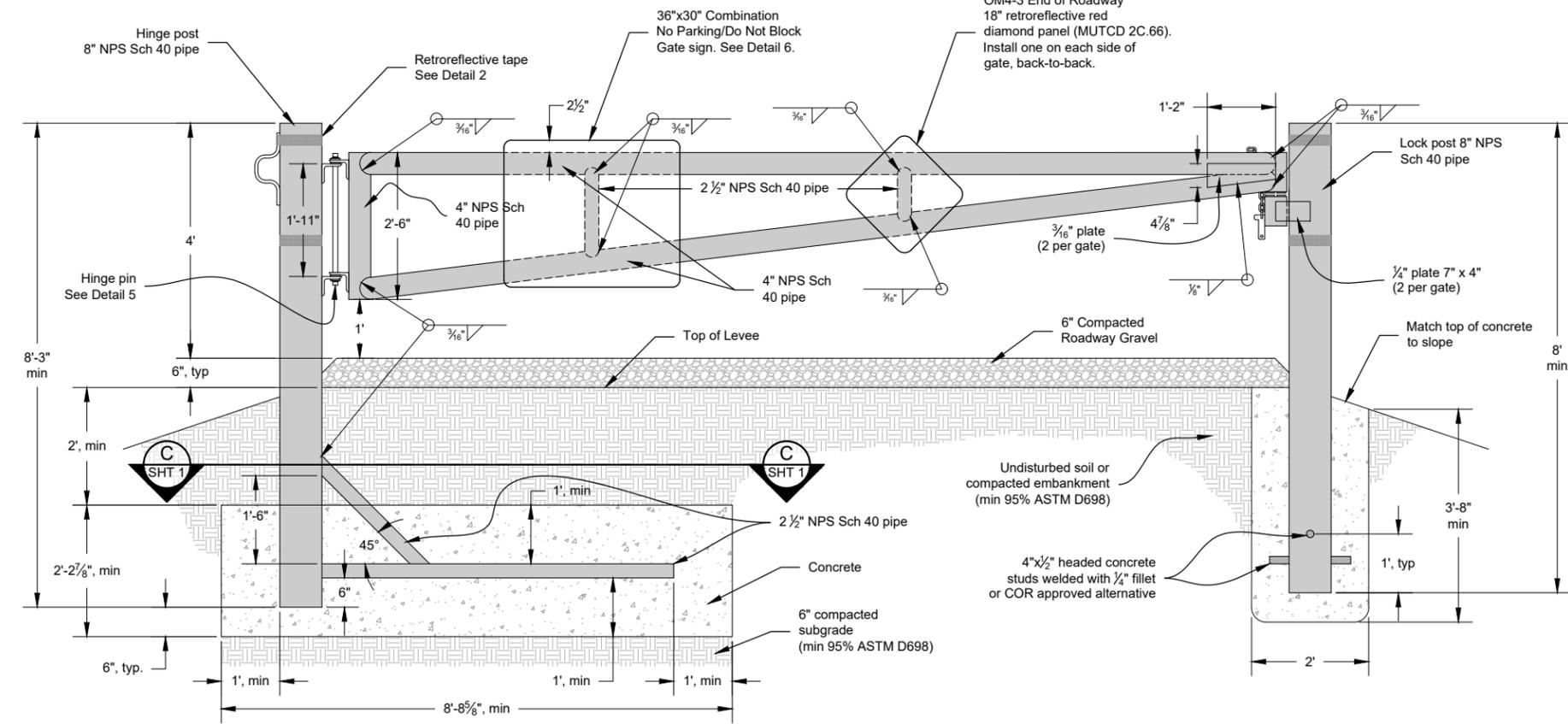


(A) PLAN VIEW
HEAVY DUTY VEHICLE GATE



(C) PLAN VIEW
GATE POST FOOTING

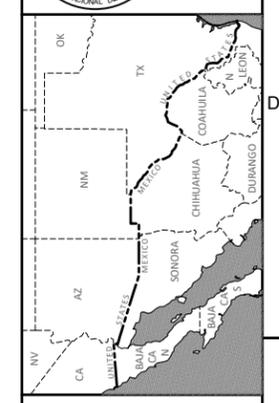
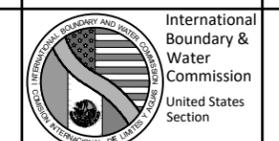


(B) PROFILE
HEAVY DUTY VEHICLE GATE

NOTES:

- All concrete shall be finished to drain water away from posts.
- Minimum 3,000 psi concrete shall be used to install posts.
- Top of gate shall be horizontal and both gate posts shall be of equal height above the levee.
- All posts shall be installed plumb.
- All pipe shall be Schedule 40 and shall meet ASTM A53 (Grade A or B), ASTM A106 (Grade A, B, or C), or ASTM F1083 (regular or high strength).
- Welds shall meet American Welding Society (AWS) D1.1.
- OM4-3 End of Roadway signs shall conform to Manual on Uniform Traffic Control Devices (MUTCD), 2009 Edition with revisions 1 and 2.
- No Parking/Do Not Block Gate sign shall conform to Detail 6 on Sheet 3 based upon MUTCD and Standard Highway Signs (SHS), 2004 Edition.
- Sign sheeting shall meet or exceed ASTM D4956-09 Type III, IV, VIII, or IX. Engineer Grade material is not allowed.
- No more than two 3/8" Ø holes may be drilled through each 2 1/2" NPS Sch 40 pipe to install the signs.
- Prismatic reflective tape shall meet Federal Motor Vehicle Safety Standard 217 (49 CFR 571.217) and shall be yellow, fluorescent yellow, or school bus yellow in color. Tape shall have a minimum 10 year warranty or expected life span.
- Prismatic reflective tape shall be installed on all posts after paint has completely dried. Tape shall be wrapped completely around posts with a minimum 1" overlap.

Additional notes on Sheet 2.



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

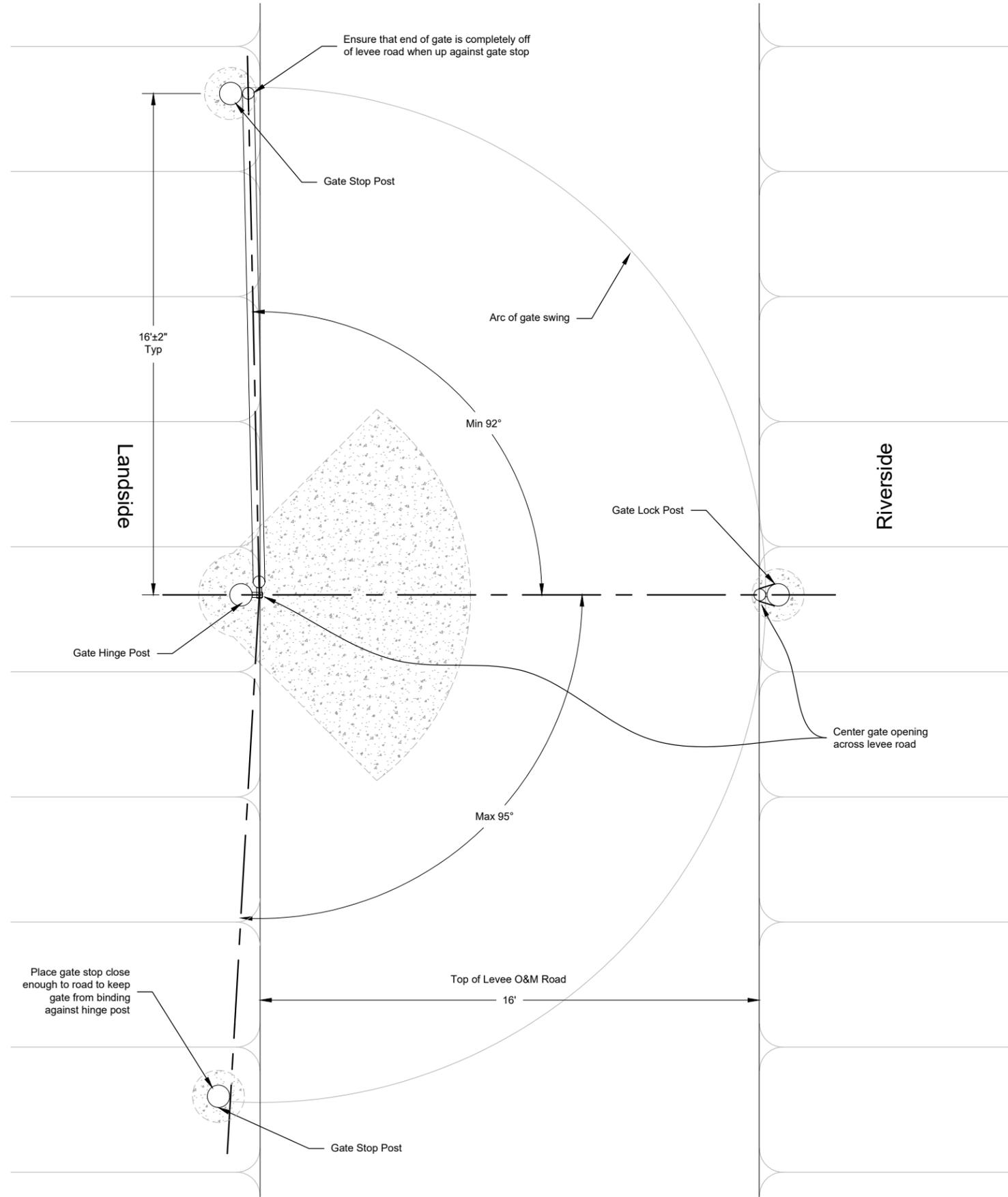
NO.	DATE	DESCRIPTION OF REVISION
5	Jan 4, 2022 Andrea Glover, PE	Added substrate wing post footing, Deleted counterweight. Added No Parking sign. Renumbered sections and details.
4	Mar 1, 2021 Andrea Glover, PE	Added new Do Not Block Gate combination sign. Increased length of lock pipes from 4' to 7'. Other minor changes.
3	Mar 29, 2018 Andrea Glover, PE	Changed drawings to new standard USBWC border. Added chain. Corrected level sizes.
2	May 8, 2012 Andrea Glover, PE	Raised gate from 6' to 7' off ground.
1	Nov 2011 Andrea Glover, PE	Added deadman counterweight.

DESIGNED
Andrea Glover
DRAWN
CHECKED
TECHNICAL APPROVAL
ADMIN APPROVAL
USIBWC HQ-CON 1-4-2022

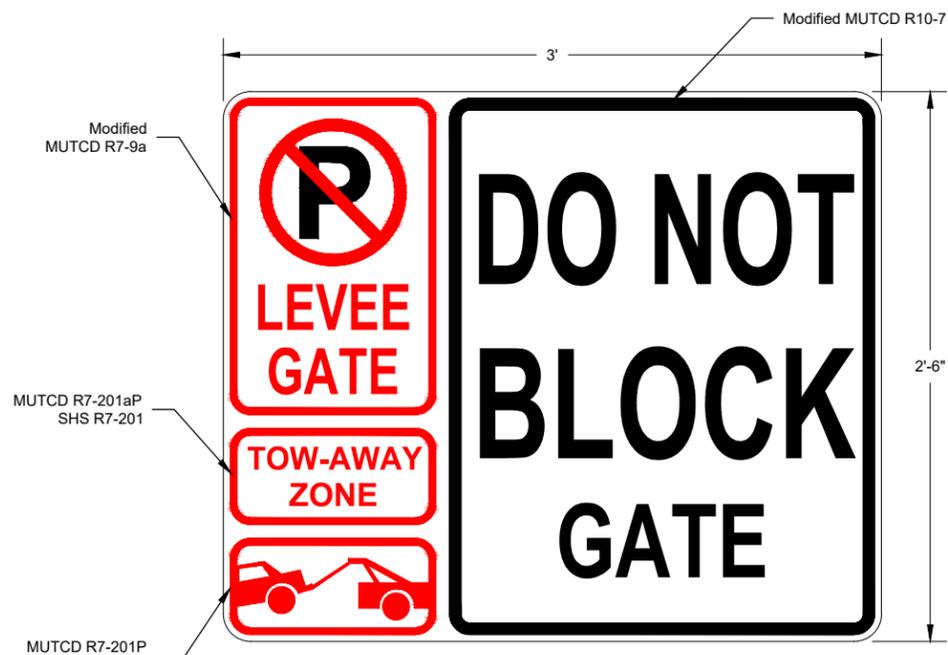
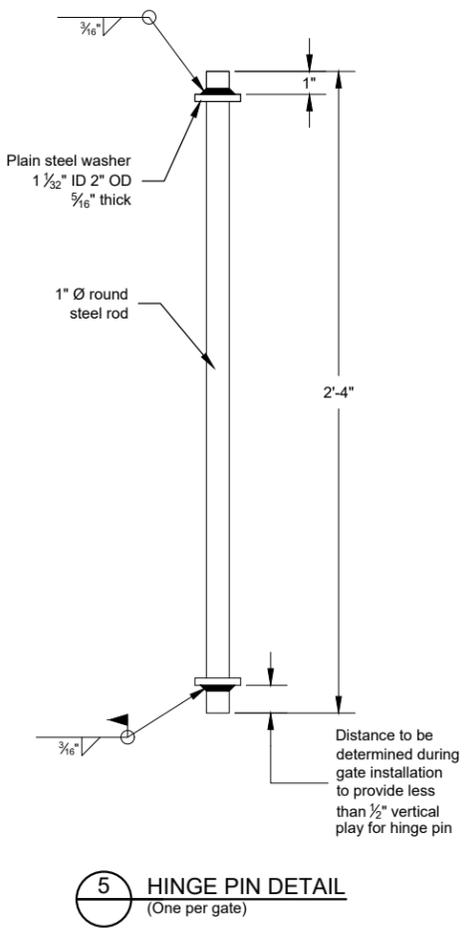
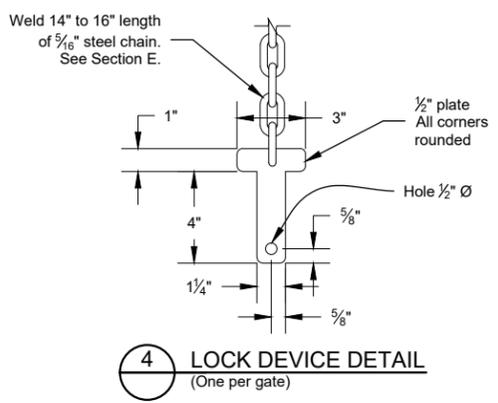
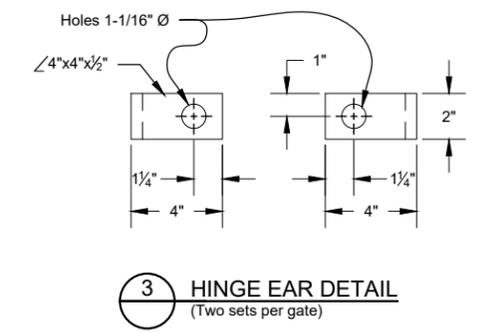
GATE MANUFACTURE AND INSTALLATION
IBR/RFP NUMBER CONTRACT NUMBER
CONTRACTOR/DESIGNER DRAWING NUMBER
USIBWC DRAWING NUMBER
26409-001-05

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CAD Filename: 3D-2649-UNG Vehicle Gates Rev0.dwg
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H PLAN VIEW OF GATE INSTALLATION



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 & Water Commission
 United States Section

INTERNATIONAL BOUNDARY AND WATER COMMISSION
 UNITED STATES AND MEXICO
 RIO GRANDE CANALIZATION PROJECT
 RIO GRANDE RECTIFICATION PROJECT
 STANDARD DRAWING
 HEAVY DUTY VEHICULAR GATE

NO.	DATE	DESCRIPTION OF REVISION
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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 26409-003-05	