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CAD Filename
35-26409-001 Vehicle Gates Rev.dwg

Sheet Name
IBWC

Plot Style Table Name
IBWC_Plot.dwg.ctb

Paper Size
ANSI Full Sheet B (17.00 x 11.00 inches)

Date and Time Plotted
8/16/2023 9:03 AM

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1/4/2022 12:23 PM

AutoCAD Version
24.1 (LTS Tech)

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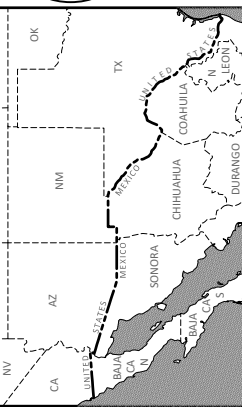
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International
Boundary &
Water
Commission
United States
Section



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 wiring 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 changes between lock pipes from 2' to 2'. Other minor changes.
3	Mar 29, 2018	Andrea Glover, PE	Changed drawing to new standard USBWC border. Added chain. Corrected steel sizes.
2	May 8, 2012	Andrea Glover, PE	Raised gate from 6' to 1' off ground.
1	Nov 2011	Andrea Glover, PE	Added deadman counterweight.
REVNO		DESIGNER AND DATE	DESCRIPTION OF REVISION

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

CHECKED

TECHNICAL APPROVAL

ADMIN APPROVAL

USBWC HQ-CON 1-4-2022

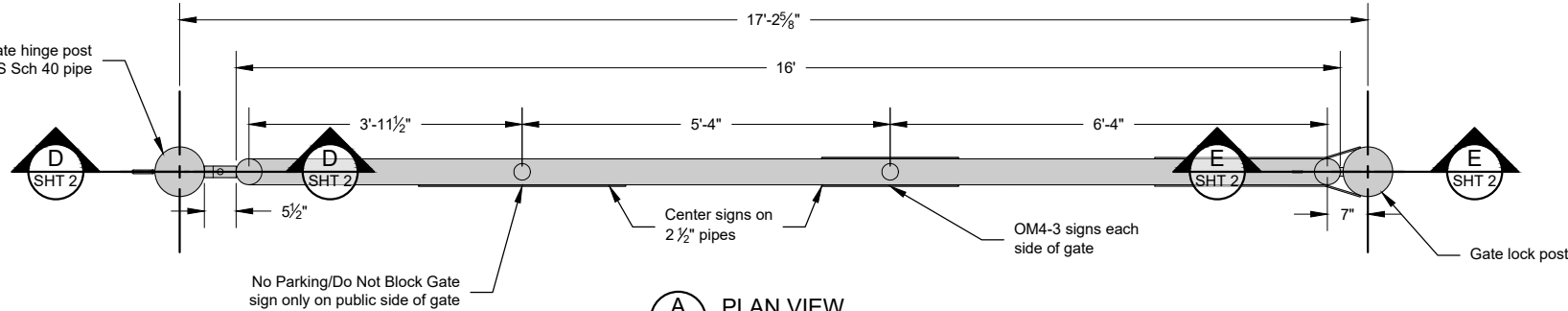
GATE MANUFACTURE
AND INSTALLATION

IFB/RFP NUMBER CONTRACT NUMBER

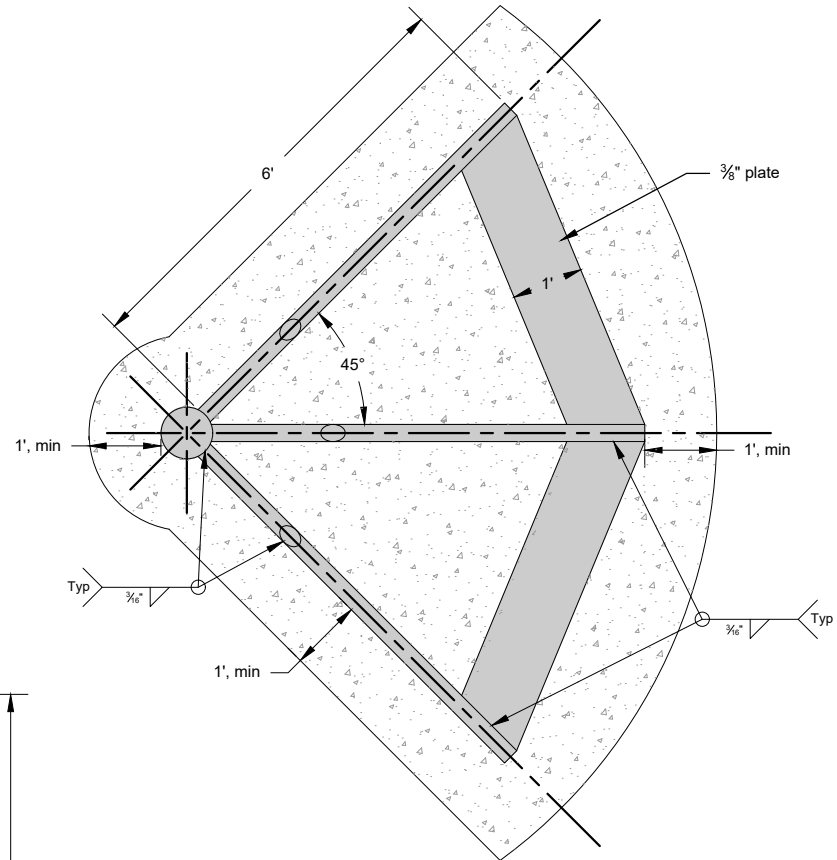
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USBWC DRAWING NUMBER

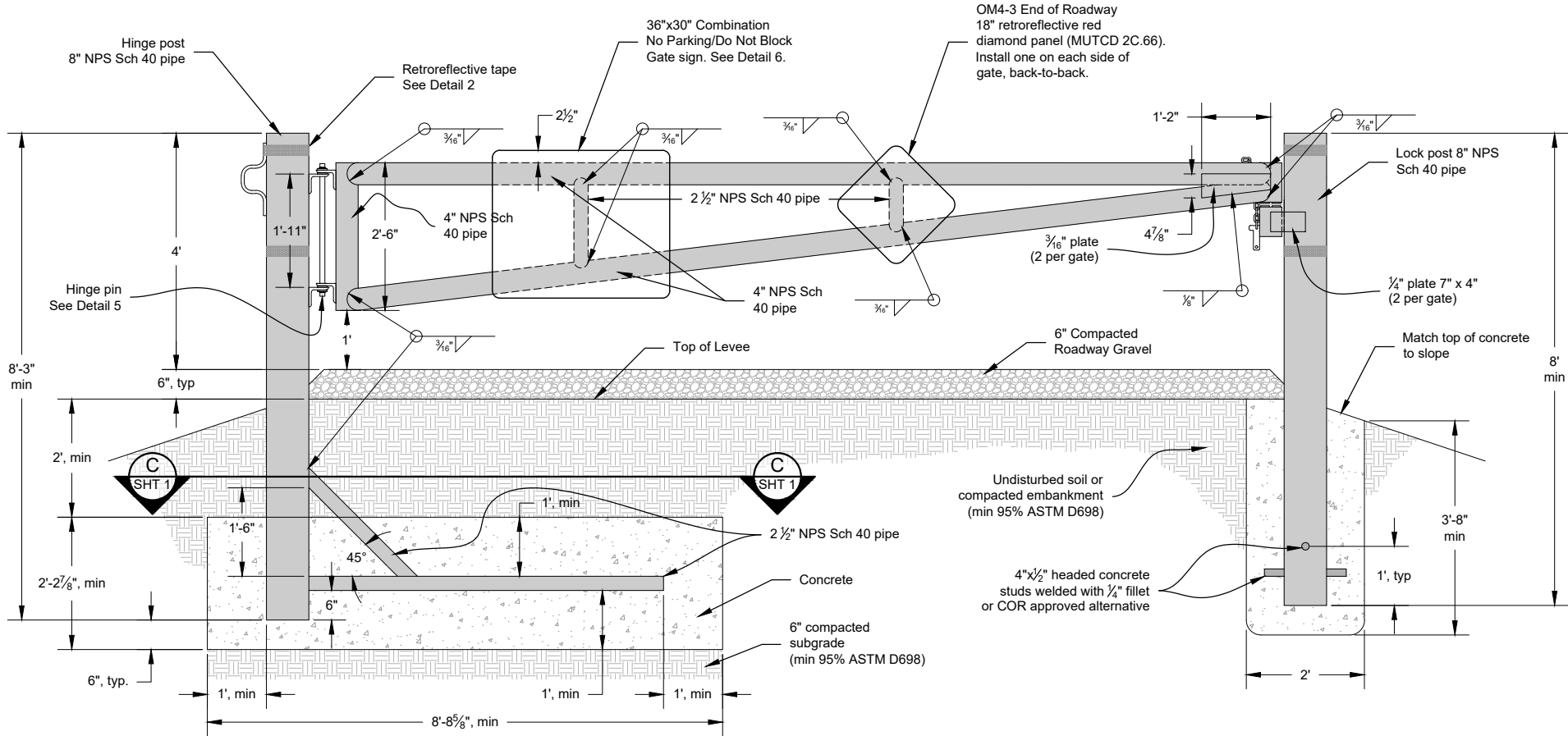
26409-001-05



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" \varnothing 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.

IBWC Border V20210903

AutoCAD Version
22.0s (LTC 160)

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Previous Paper Size (17.00 X 11.00 inches)
AutoCAD/PT/ General
Documentation.pc3

Plot Style Table Name
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Plot Scale
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Sheet Set Name
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CAD Filename
30-26409-003 Vehicle Gates Rev5.dwg

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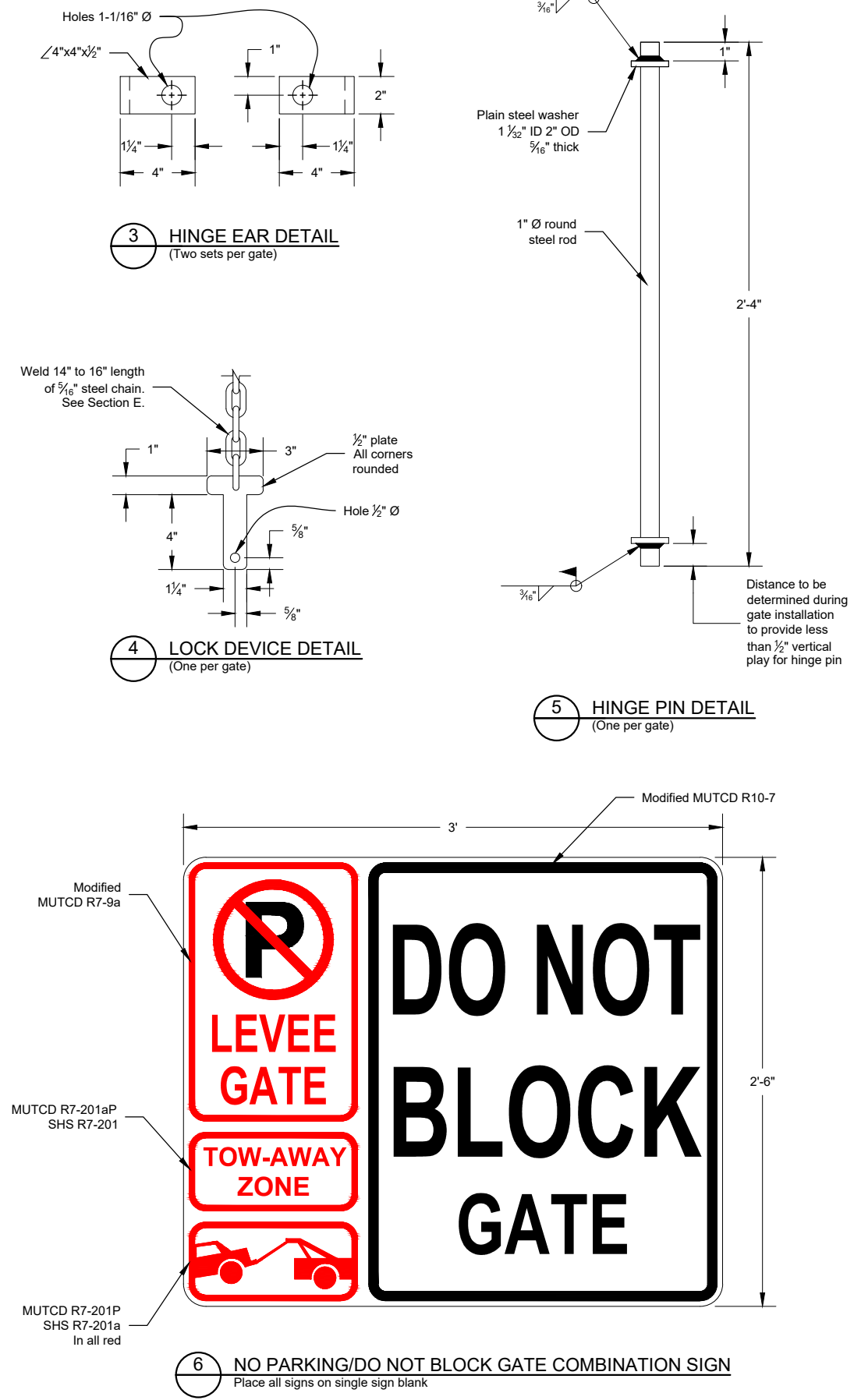
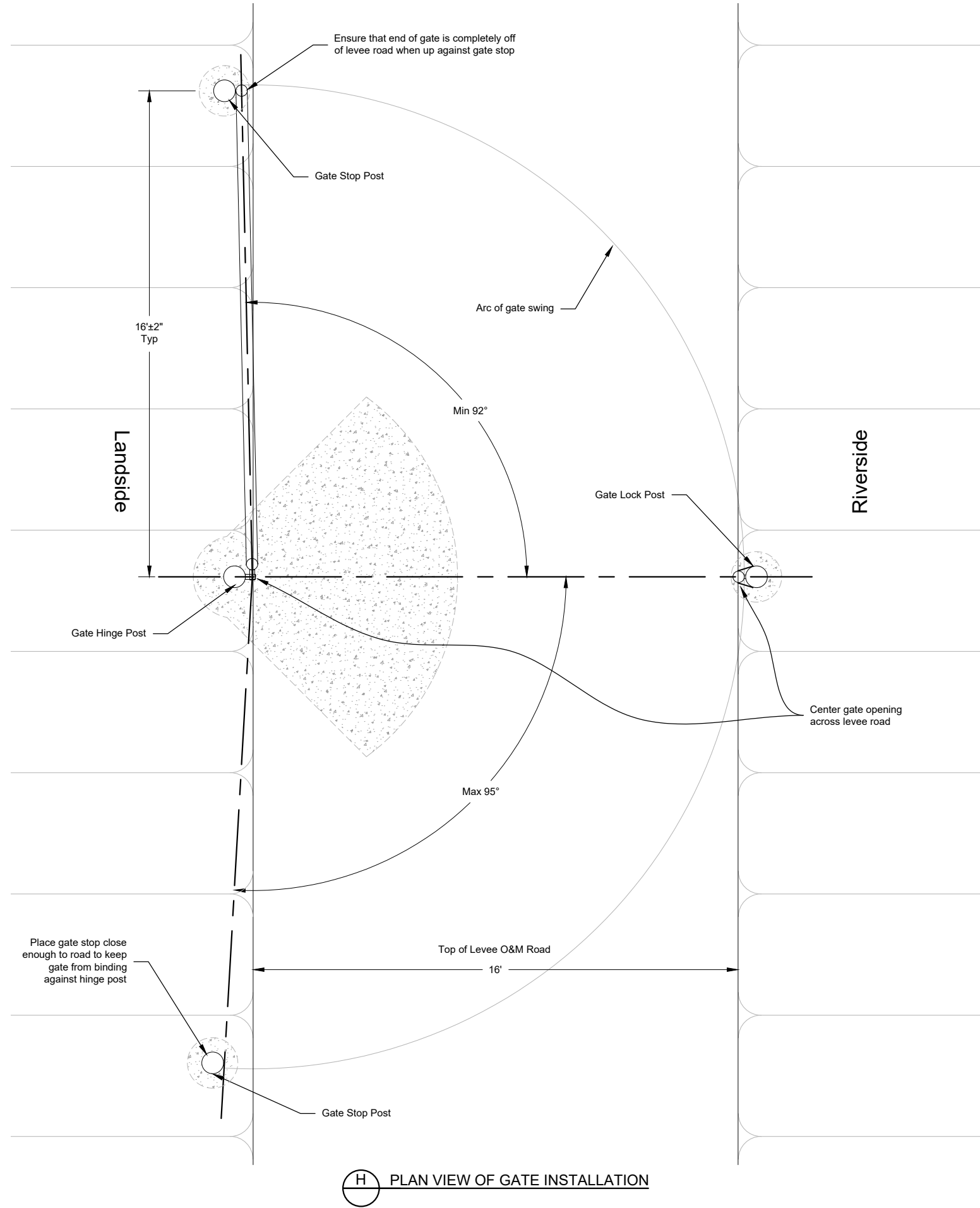
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C

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NOTES:
See Sheets 1 and 2 for notes.

International Boundary & Water Commission
United States Section

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 AND DATE
5	1	Added deadman counterweight
4	2	Raised gate from 6" to 1" off ground
3	3	Changed drawing to new standard USBWC border. Added chain. Corrected steel sizes
2	4	Added new Do Not Block Gate combination sign. Increased counterweight. Added No Parking sign. Renumbered sections and details
1	5	Added substructure wing post footing. Deleted counterweight. Added No Parking sign. Renumbered sections and details

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

CHECKED
DRAWN

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