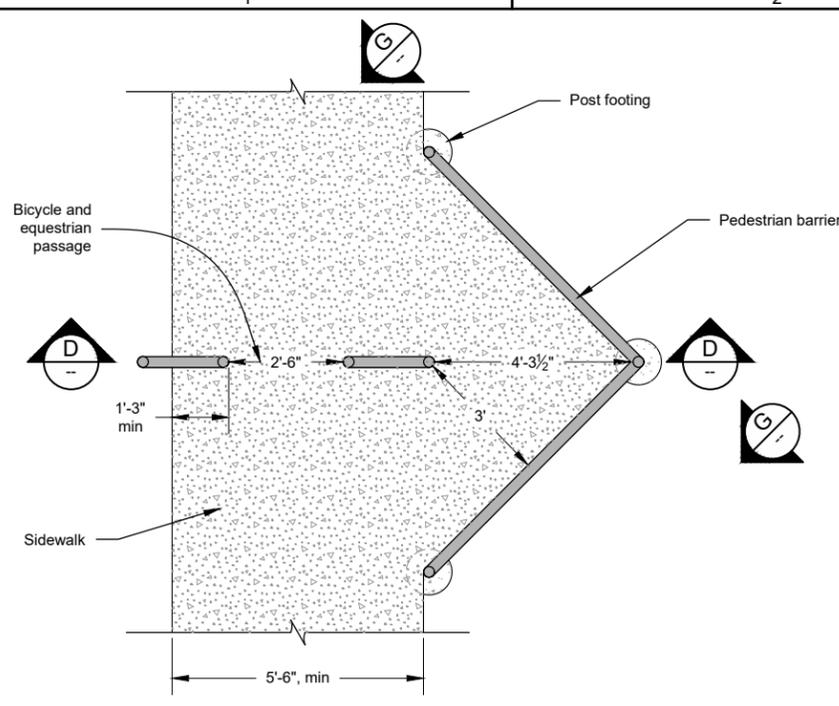
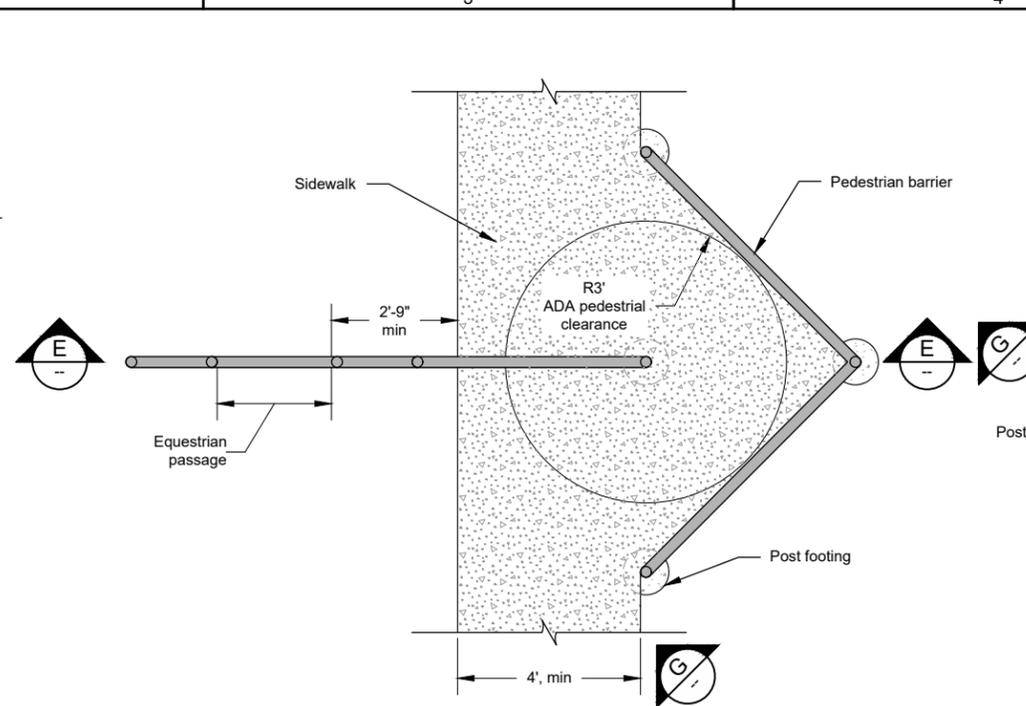


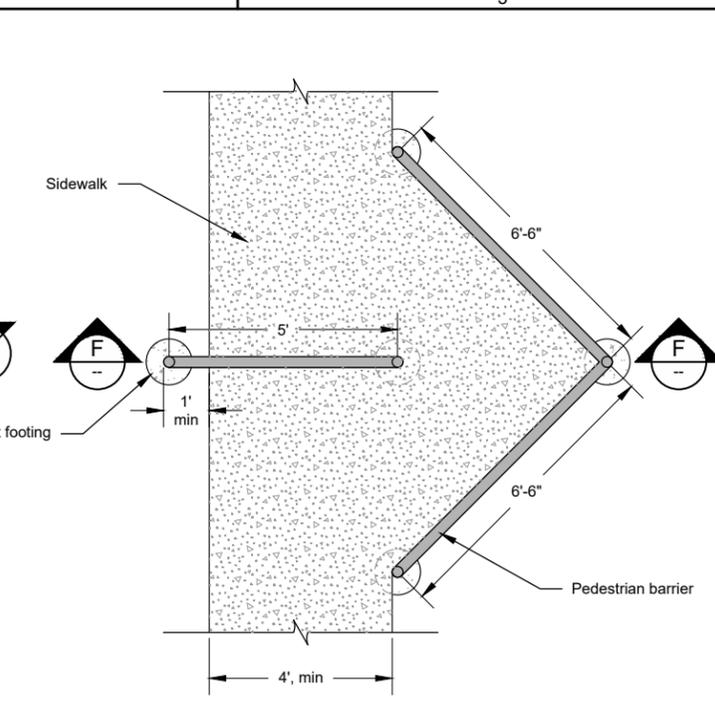
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 IBWC Border V20210903



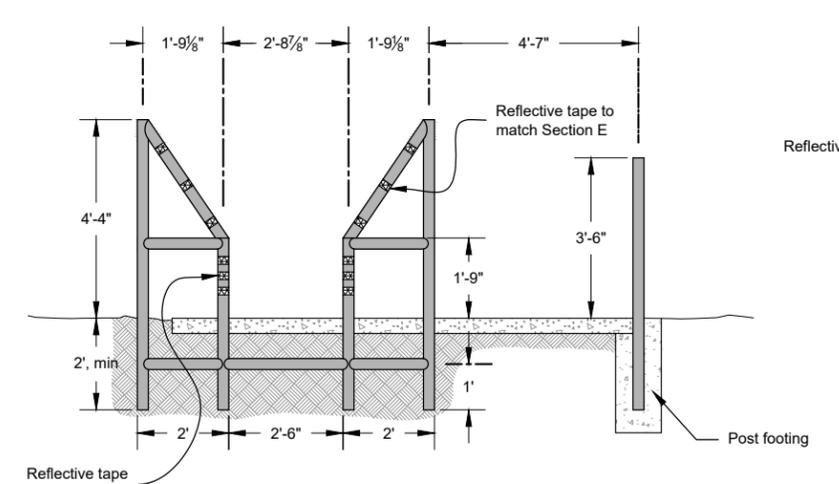
(A) CHICANE 1 PLAN VIEW
Pedestrian, Bicyclist, and Equestrian



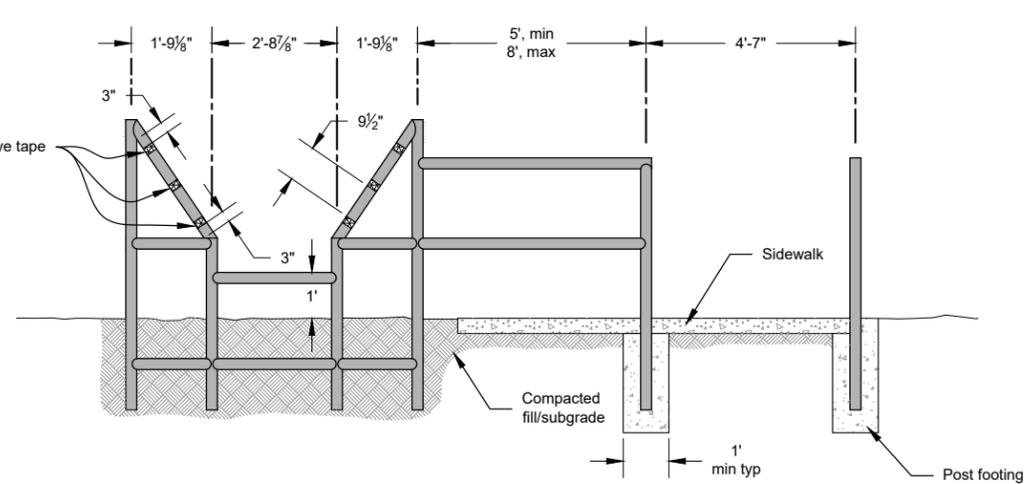
(B) CHICANE 2 PLAN VIEW
Pedestrian and Equestrian



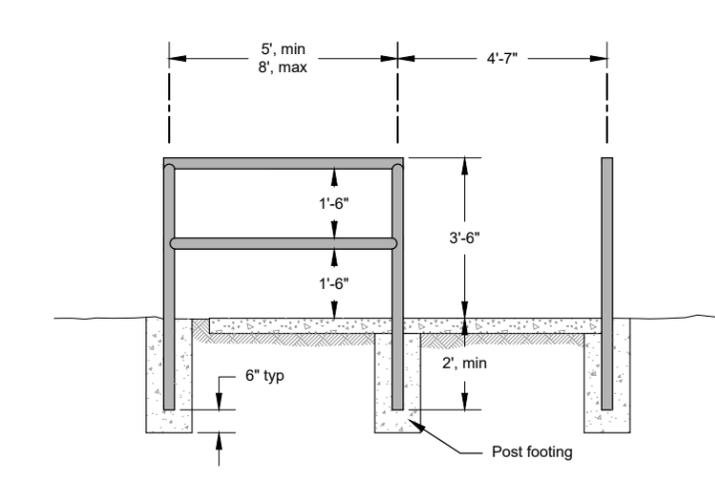
(C) CHICANE 3 PLAN VIEW
Pedestrian



(D) CHICANE 1 SECTION
Pedestrian, Bicyclist, and Equestrian



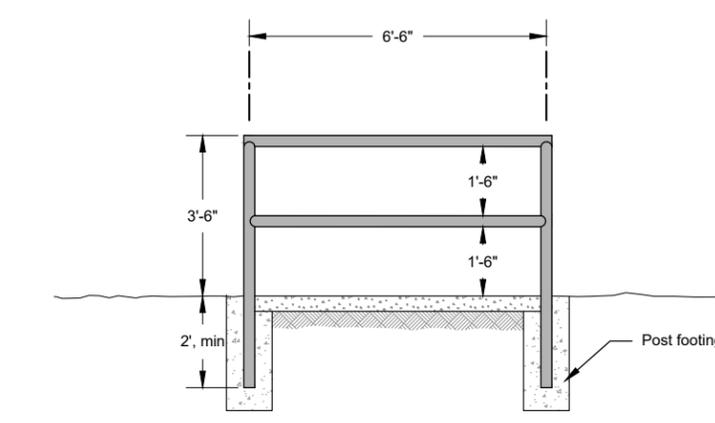
(E) CHICANE 2 SECTION
Pedestrian and Equestrian



(F) CHICANE 3 SECTION
Pedestrian

- NOTES:**
- Chicanes shall be integrated with other barriers to block unauthorized access.
 - Minimum 3,000 psi concrete shall be used.
 - Protect new concrete sidewalk and post footings from freezing for 72 hours and keep above 50° F for a minimum of 7 days. Cure all concrete for a minimum of 7 days. Use American Concrete Institute (ACI) 308R-Guide to External Curing of Concrete as guidance.
 - All posts shall be installed plumb.
 - All pipe shall be 2-1/2" 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).
 - All welds shall be 1/8" fillets, continuous all around pipes.
 - Welds shall meet American Welding Society (AWS) D1.1. Cope and weld joints by fitting post to top rail and intermediate rail to post, and grind smooth. Welding shall be performed in the shop.
 - All vertical posts and top bars shall have a 3/16" or 1/4" plate cap welded in place.
 - Galvanize all metalwork after fabrication per ASTM A123. Provide vent holes as required in bottom of pipes.
 - Compact subgrade and backfill to 95% ASTM D698.

- Use sidewalk construction details provided in other drawings. If no details are provided, sidewalk shall be 5" thick with #3 bars @ 18" both ways or 6x6-W4.0xW4.0 welded wire reinforcement centered in concrete. Finish sidewalk with a transverse broom finish. Provide 1/2" expansion joint between new sidewalk and all existing concrete.
- Project may specify a pedestrian walking surface in lieu of a sidewalk. Project requirements for walking surface shall govern, but minimum walking surface dimensions shall meet those indicated on this drawing for the sidewalk.
- Provide 2" wide prismatic reflective tape meeting Federal Motor Vehicle Safety Standard 217 (49 CFR 571.217). Tape shall be yellow, fluorescent yellow, or school bus yellow in color. Tape shall have a minimum 10 year warranty or expected life span. Tape shall be wrapped completely around posts with a minimum 1" overlap.
- Install 1/2" joint material between posts and all sidewalk concrete.
- Dimensions are typical between each chicane section unless noted otherwise.



(G) CHICANE TYPICAL SECTION
Pedestrian Barrier Used on all Chicanes

International Boundary & Water Commission
United States Section

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

FOR USE ON ALL USIBWC PROJECTS

STANDARD DRAWING

CHICANES

STANDARD DRAWING	DESCRIPTION OF REVISION

Andra Glover, PE
DESIGNED

A. Glover
DRAWN

C. Cadillo
CHECKED

TECHNICAL APPROVAL

ADMIN APPROVAL

USIBWC HQ-CON 02-03-2022

CHICANE MANUFACTURE AND INSTALLATION

IB/RFP NUMBER CONTRACT NUMBER

CONTRACTOR/DESIGNER DRAWING NUMBER

USIBWC DRAWING NUMBER
26741-000-00