

AJ JOLLY CONCRETE RISER IMPROVEMENTS

CAMPBELL COUNTY, KENTUCKY

242762



VICINITY MAP

SOURCE OF BOUNDARY INFORMATION

THE BOUNDARY INFORMATION SHOWN ON THESE PLANS IS BASED UPON A COMBINATION OF CAMPBELL COUNTY G.I.S. MAPPING AND FIELD BOUNDARY SURVEY BY CT CONSULTANTS, INC.

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verdantas

4420 COOPER ROAD
SUITE 200
BLUE ASH, OH 45242

STATE: KY A. MENGERT, P.E.

DESIGNED BY	M. SHAW
DRAWN BY	C. HAGLER
CHECKED BY	M. GRAESER
PROJECT NO.	242762

CHK'D BY	
DATE	

REVISION	No.

No.	
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AJ JOLLY DAM REPAIR
CAMPBELL COUNTY, KY
TITLE SHEET

DATE
OCTOBER 23, 2025

SCALE
AS NOTED

SHEET
G-1



GENERAL NOTES:

1. THE OWNER IS NOT RESPONSIBLE FOR THE SAFETY OF THE CONTRACTOR OR HIS CREW. ALL OSHA REGULATIONS SHALL BE STRICTLY ADHERED TO IN PERFORMANCE OF THE WORK, AND THE CONTRACTOR IS RESPONSIBLE FOR HIS OWN SAFETY.
2. ALL ELEVATIONS ARE REPORTED IN NAVD88 DATUM.
3. LOCATIONS, ELEVATIONS AND DIMENSIONS OF EXISTING STRUCTURES AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS, BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT OR ACCURATE.
4. CONTRACTOR TO VERIFY ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS PRIOR TO START OF FABRICATION AND CONSTRUCTION. NOTIFY THE ENGINEER OF ANY DISCREPANCIES OR CONFLICTS FOUND IN THE CONTRACT DOCUMENTS AND/OR FIELD CONDITIONS
5. SHOP DRAWINGS SHALL BE FURNISHED FOR REVIEW BEFORE ANY FABRICATION AND ERECTION IS STARTED.

STRUCTURAL STEEL:

1. MATERIALS SHALL CONFORM TO THE STANDARDS LISTED:
STEEL PLATE ASTM A36
STEEL ANGLES ASTM A36
STEEL BOLTS ASTM A307, GRADE A36
STEEL THREADED RODS ASTM F1554, GRADE 36

BLIND FLANGE SEAL:

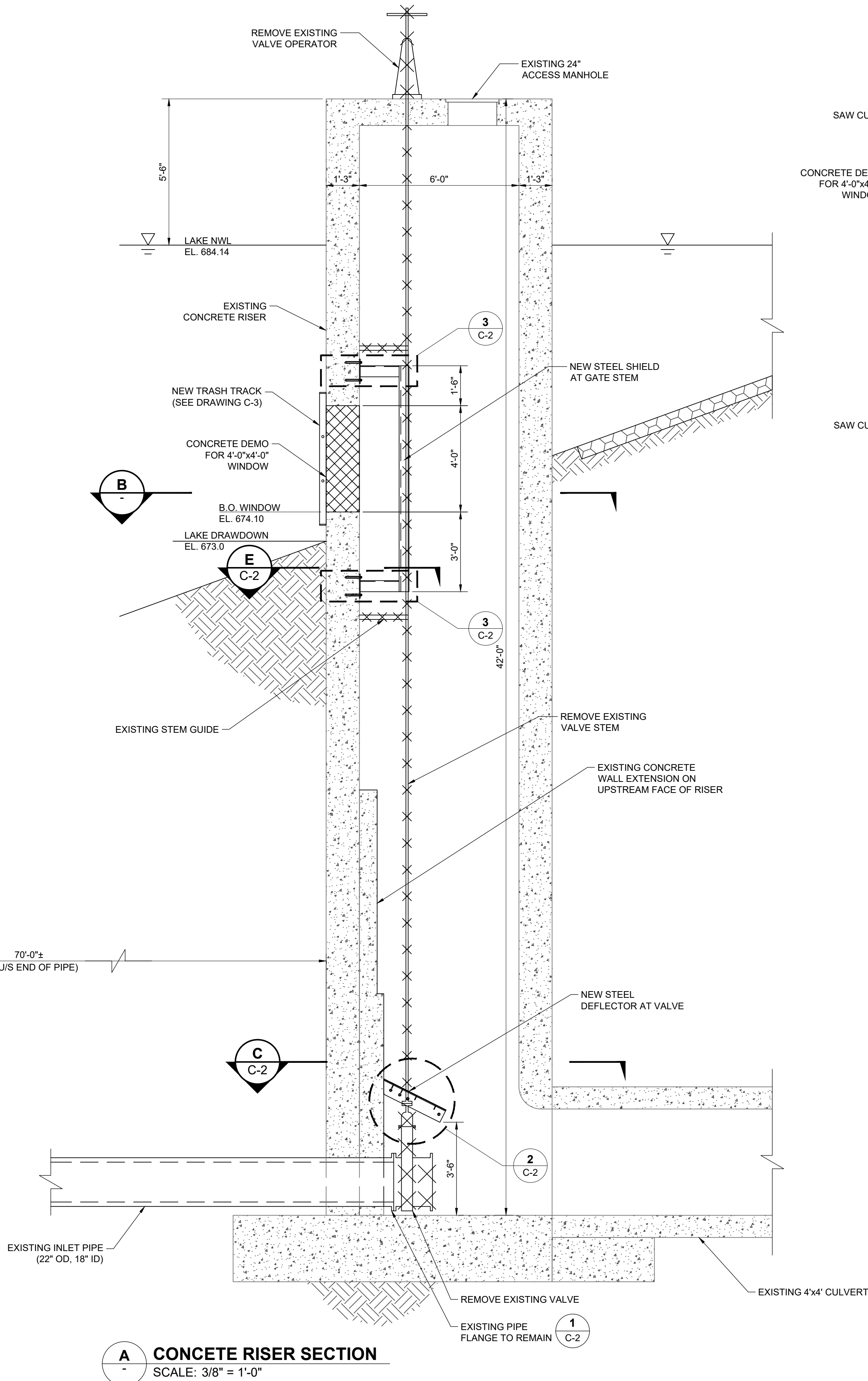
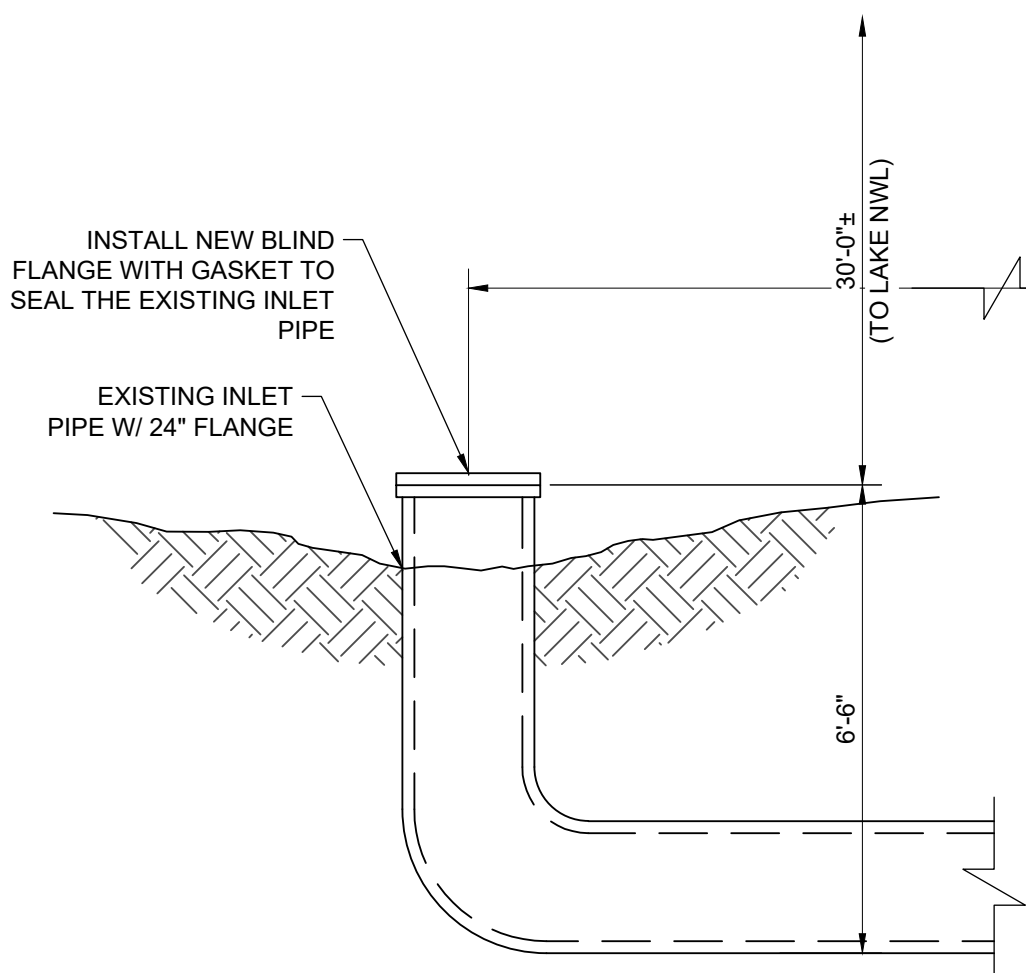
1. NEW BLIND FLANGE WITH GASKET SHALL MEET OR EXCEED AWWA CLASS B FLANGE RATING.
2. BLIND FLANGE SHALL BE COMPATIBLE WITH THE EXISTING PIPE FLANGE.
3. FOR PROPER FIT, FIELD VERIFY EXISTING PIPE FLANGE PRIOR TO BLIND FLANGE FABRICATION AND INSTALLATION.

CONTRACTOR CONSTRUCTION SUBMITTALS:

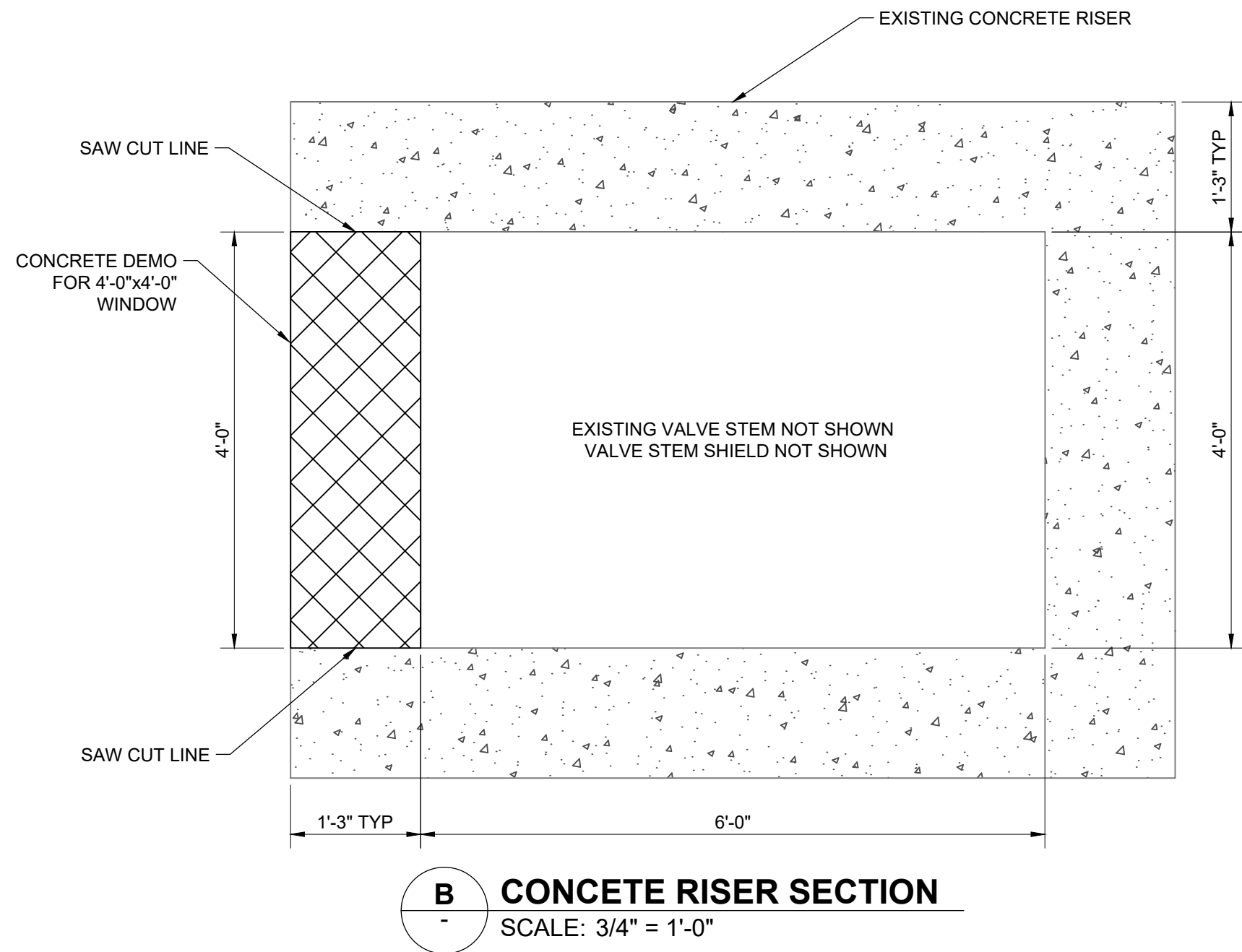
1. GENERAL WORK PLAN
a. IDENTIFY SEQUENCE OF CONSTRUCTION.
b. IDENTIFY METHODS FOR ACCESS.
c. INCLUDE OVERALL SCHEDULE FOR THE PROJECT.
d. INCLUDE LIST OF SUBMITTALS.
2. DEMOLITION PLAN:
a. IDENTIFY LIMITS OF DEMOLITION.
b. PROVIDE DESCRIPTION OF SEQUENCE, METHODS, AND EQUIPMENT USED FOR CONCRETE DEMOLITION AND REMOVAL.
3. SHOP DRAWINGS AND PRODUCT DATA:
a. SHOP DRAWINGS: STEEL DEFLECTOR AT VALVE, STEEL SHIELD AT VALVE STEM, STEEL TRASH RACK.
b. PRODUCT DATA: CONCRETE ADHESIVE ANCHORS, PIPE BLIND FLANGE, BLIND FLANGE GASKET.

REFERENCE DOCUMENTS:

1. DAM REPAIRS CAMPBELL COUNTY LAKE DAM - MARCH 15, 1982 DRAWINGS BY MAYES, SUDDERTH, & ETHEREDGE, INC.
2. ANNUAL INSPECTION AND EXERSIZING OF CONTROL VALVE AT AJ JOLLY PARK DAM REPORT -AUGUST 11, 2025 BY ENVIROSCIENCE.



A CONCRETE RISER SECTION
SCALE: 3/8" = 1'-0"



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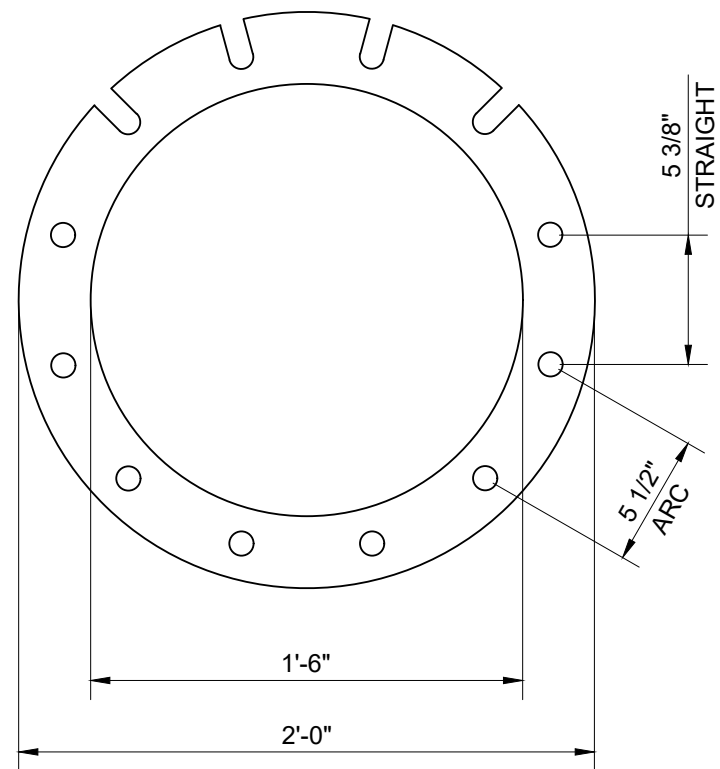
AJ JOLLY DAM REPAIR
CAMPBELL COUNTY, KY
RISER MODIFICATION
SECTIONS

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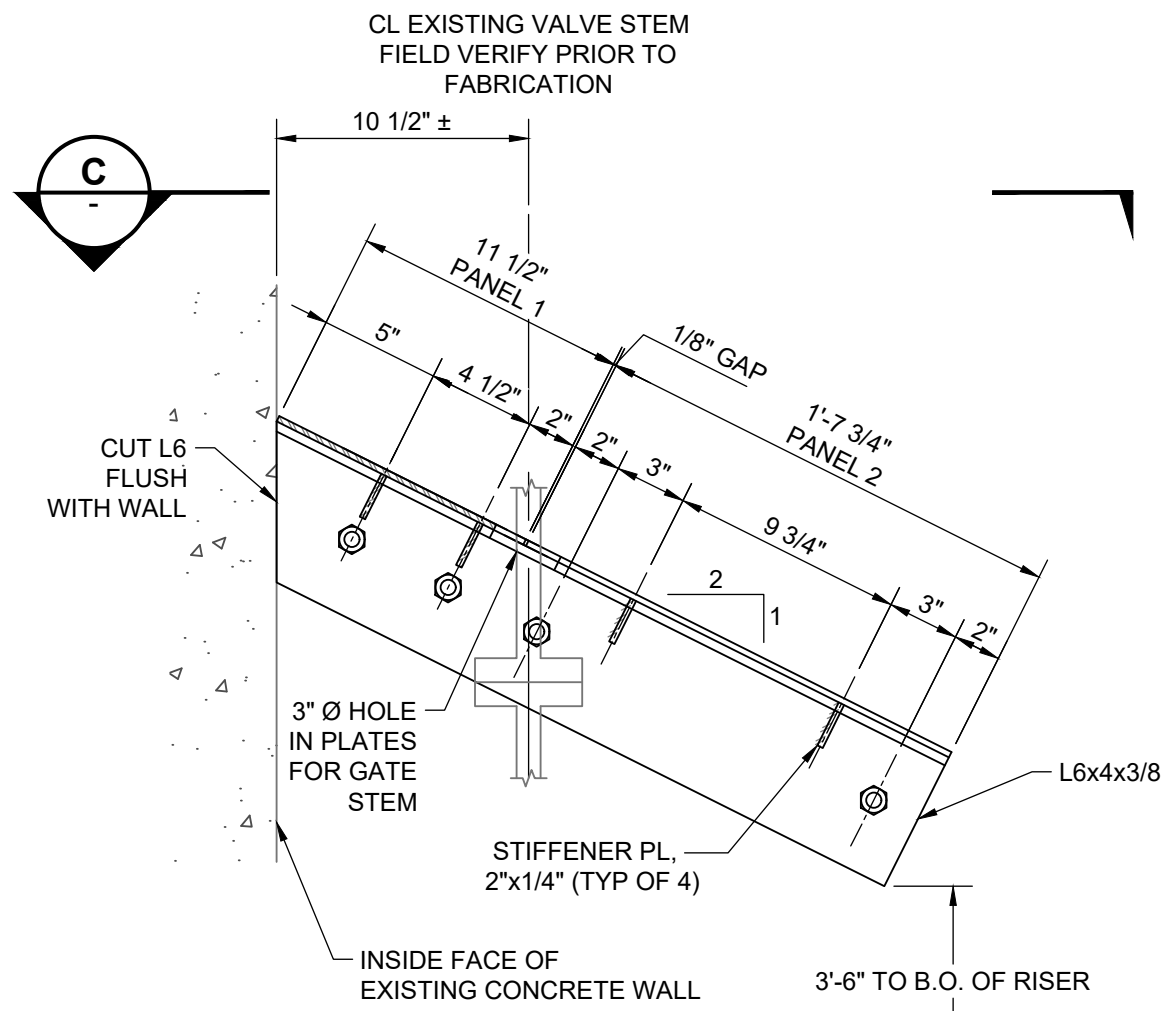
SHEET
C-1

STATE: KY A. MENGERT, P.E.

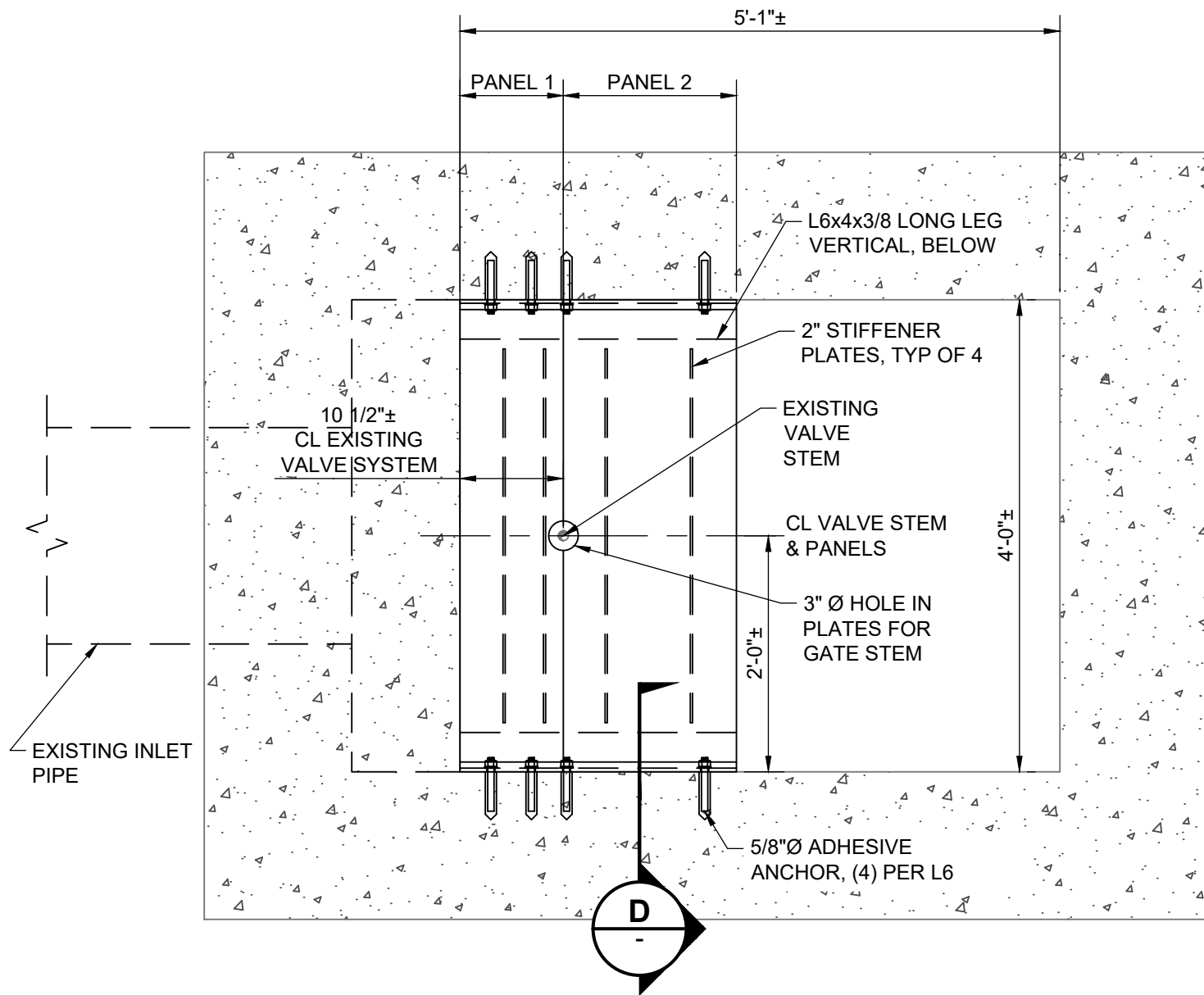


- NOTES:**
- FLANGE DIMENSIONS ARE APPROXIMATE AND ARE BASED ON THE 2025 ENVIROSCIENCE INSPECTION.
 - THE CONTRACTOR SHALL VERIFY THE EXISTING PIPE FLANGE DIAMETER, BOLT SIZE, AND BOLT PATTERN PRIOR TO ORDERING NEW VALVE.

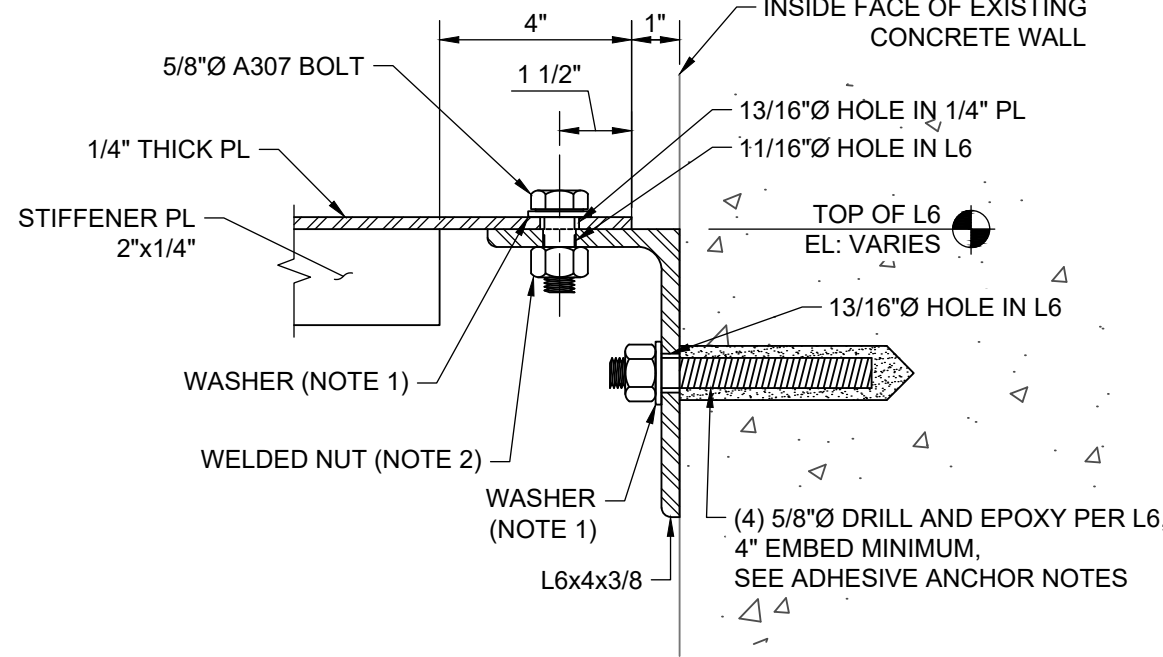
1 EXISTING PIPE FLANGE
C-1 SCALE: 1 1/2" = 1'-0"



2 DEFLECTOR PLATE SECTION
C-1 SCALE: 1 1/2" = 1'-0"

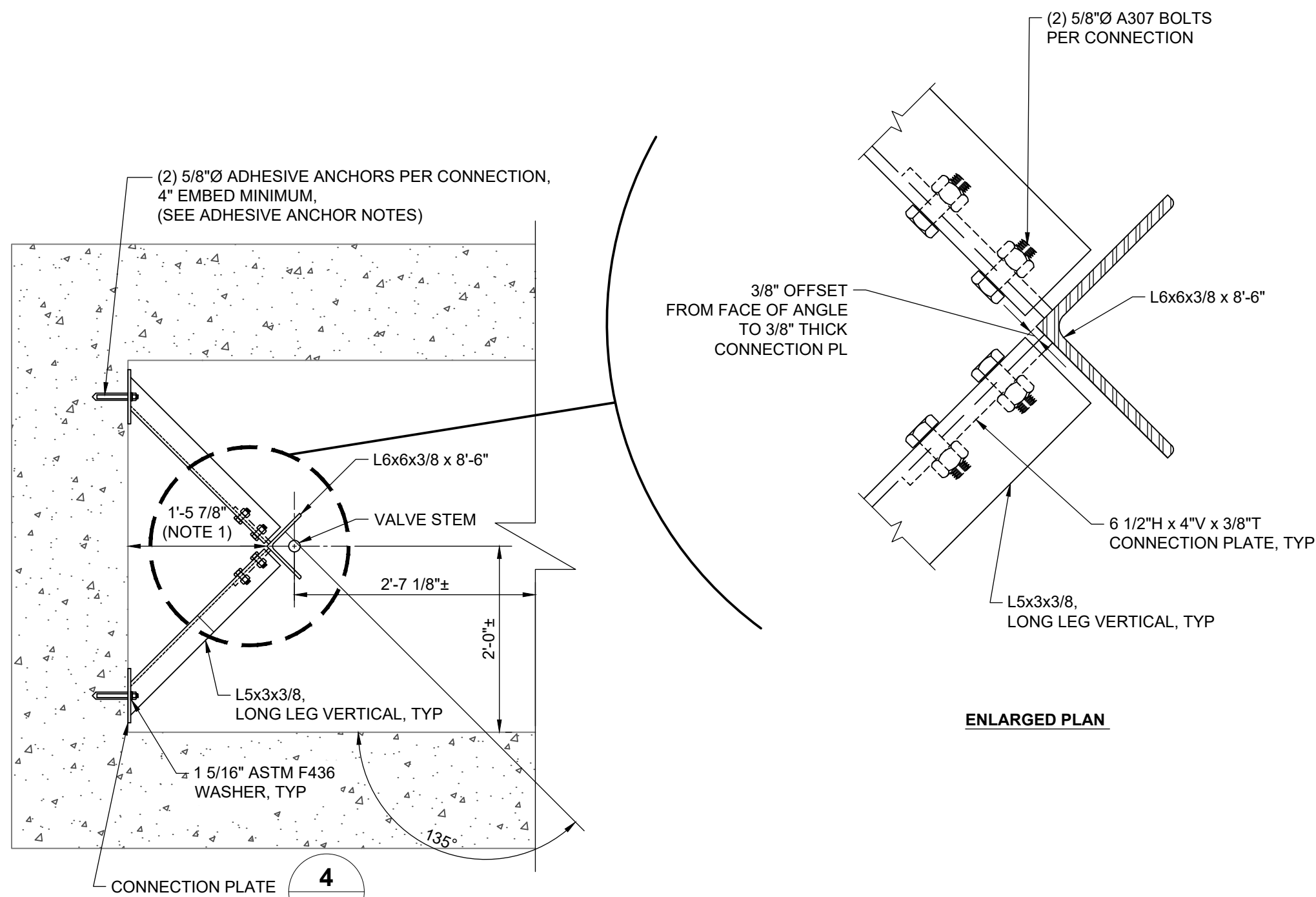


C DEFLECTOR PLATE PLAN
C-1 SCALE: 3/4" = 1'-0"



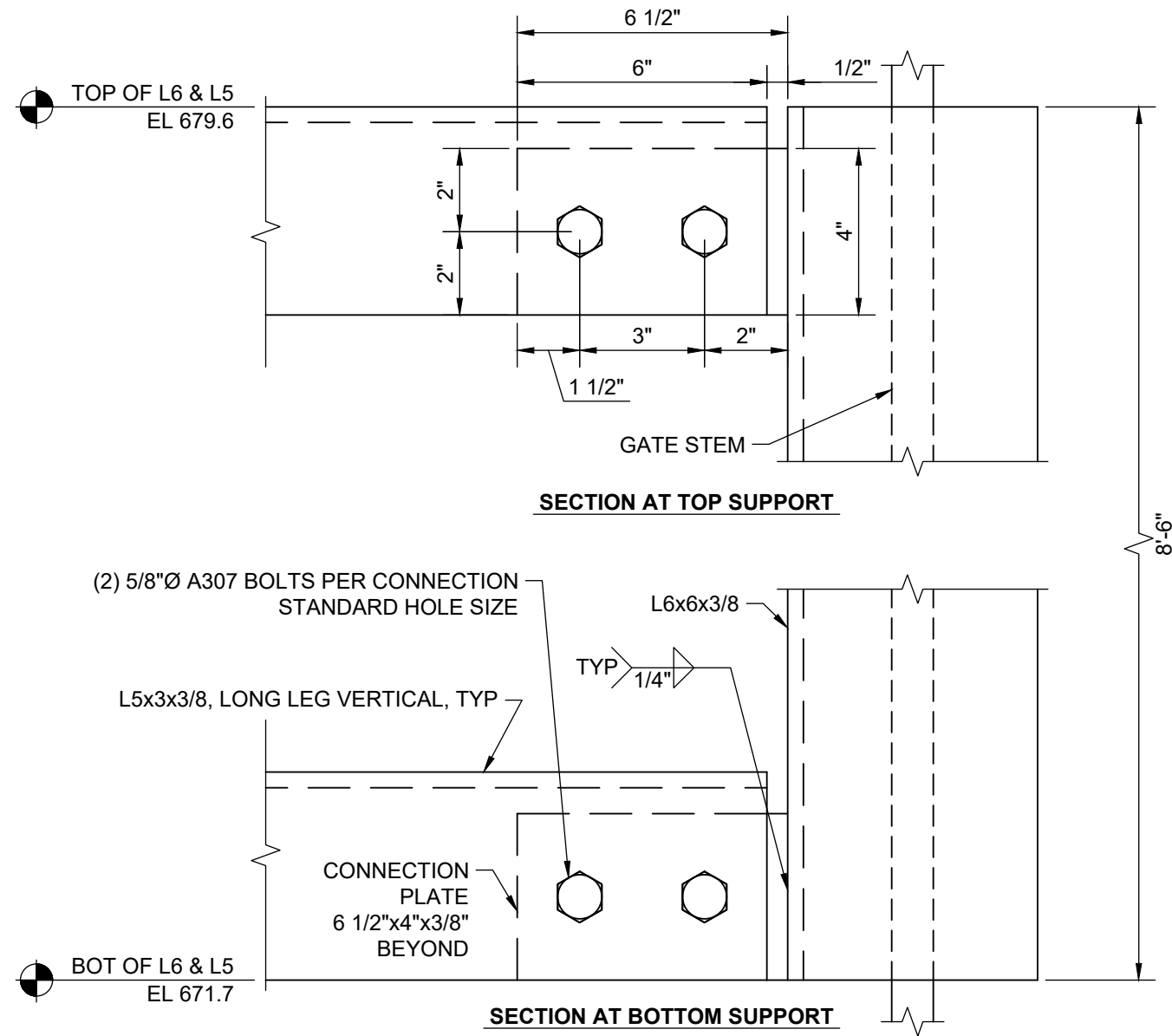
- NOTES:**
- PROVIDE 1 5/16" ASTM F436 WASHER.
 - NUTS WELDED TO ANGLE SHALL BE 5/8"Ø, ALL AROUND FILLET WELD.

D DEFLECTOR PLATE CONNECTION
SCALE: 3" = 1'-0"

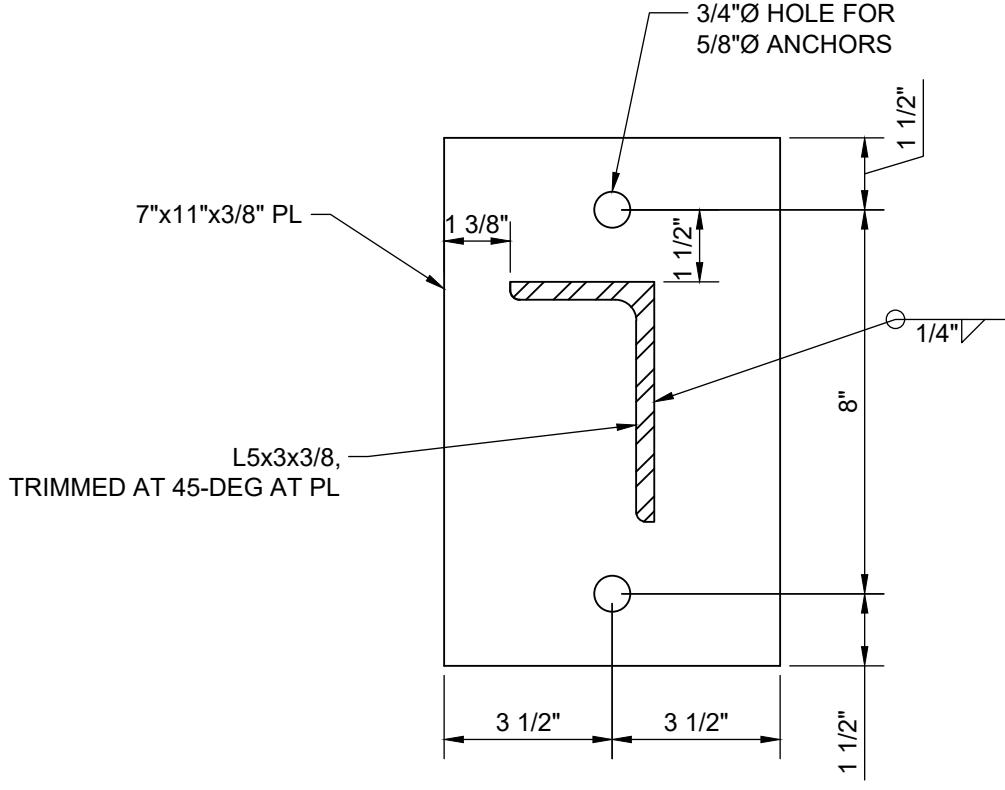


- NOTE:**
- FIELD VERIFY EXISTING VALVE STEM LOCATION PRIOR TO FABRICATION.

E VALVE STEM SHIELD SECTION
C-1 SCALE: 3/4" = 1'-0"



3 CONNECTION DETAIL
C-1 SCALE: 3" = 1'-0"

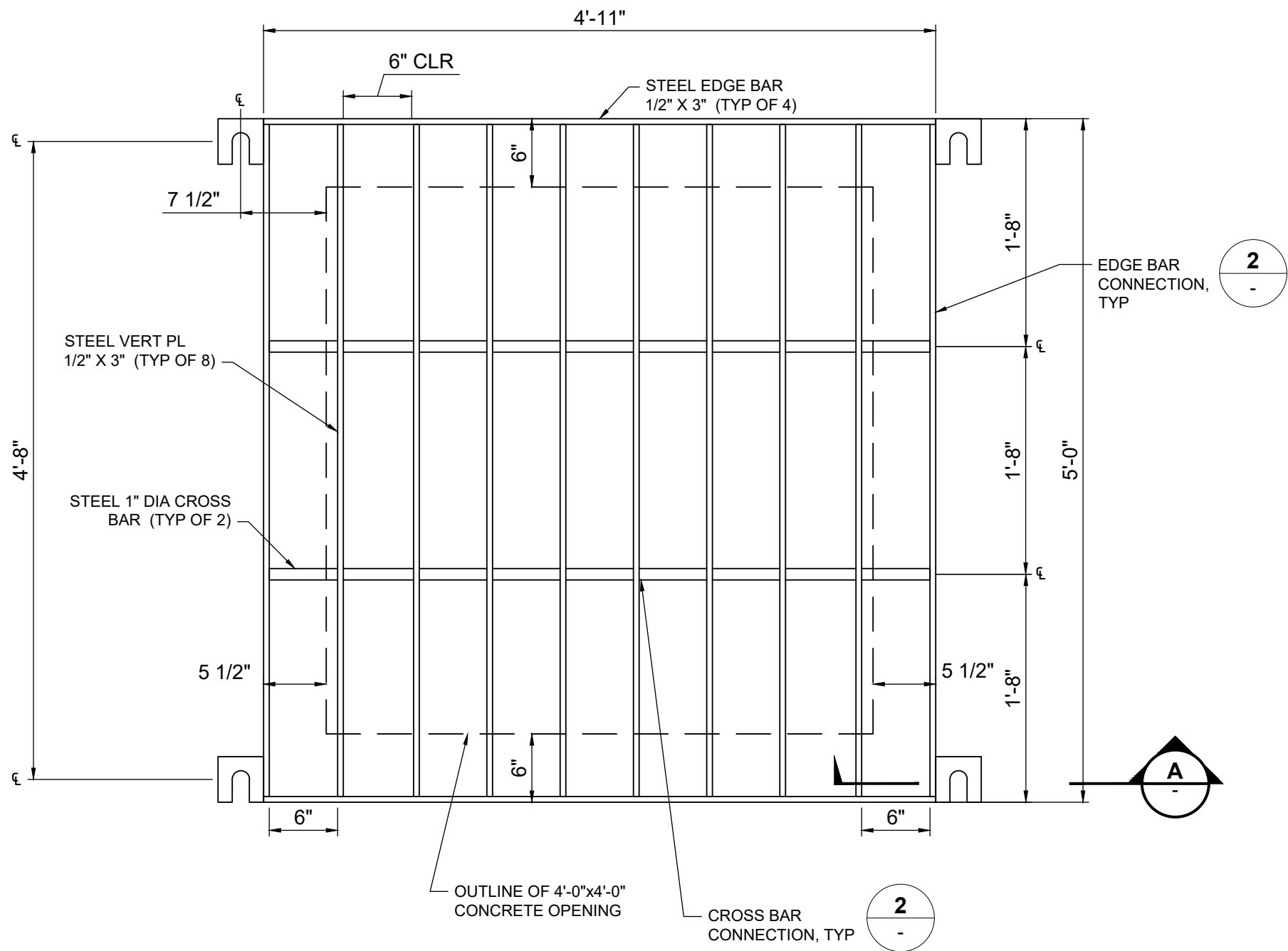


4 CONNECTION PLATE
SCALE: 3" = 1'-0"

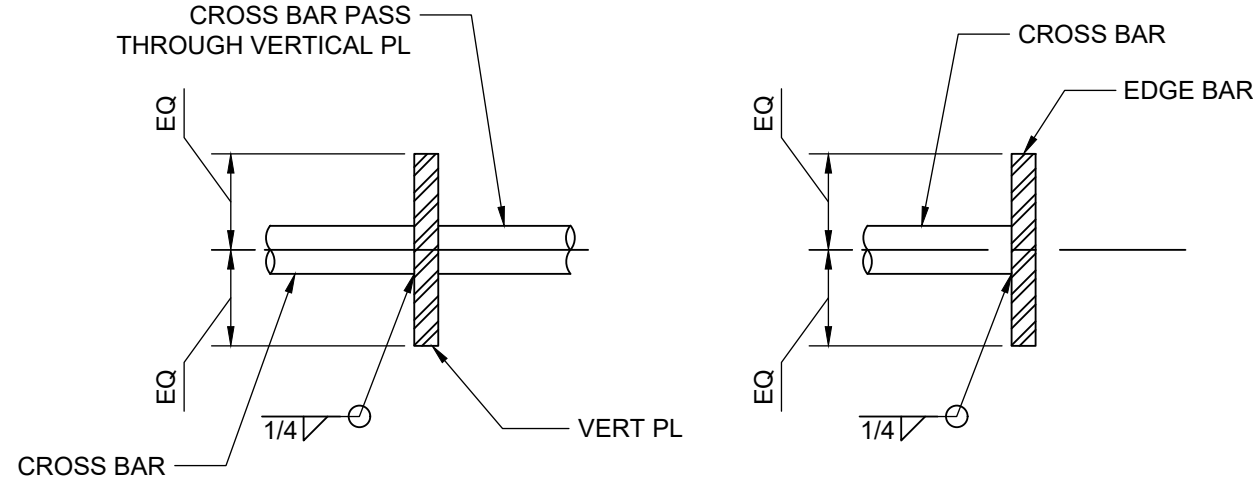
ADHESIVE ANCHOR NOTES:

- SUBMIT PRODUCT DATA FOR ANCHOR RODS AND ADHESIVE PRODUCT.
- INSTALL DOWEL ADHESIVE IN FULL COMPLIANCE WITH THE ADHESIVE MANUFACTURER'S RECOMMENDATIONS.
- ADHESIVE PRODUCT: HILTI CORPORATION, HIT-RE 500 VS OR ACCEPTABLE EQUIVALENT PRODUCT.
- ANCHOR ROD: HILTI HAS-V-36 ANCHOR ROD OR ACCEPTABLE EQUIVALENT PRODUCT MEETING ASTM F1554, GRADE 36

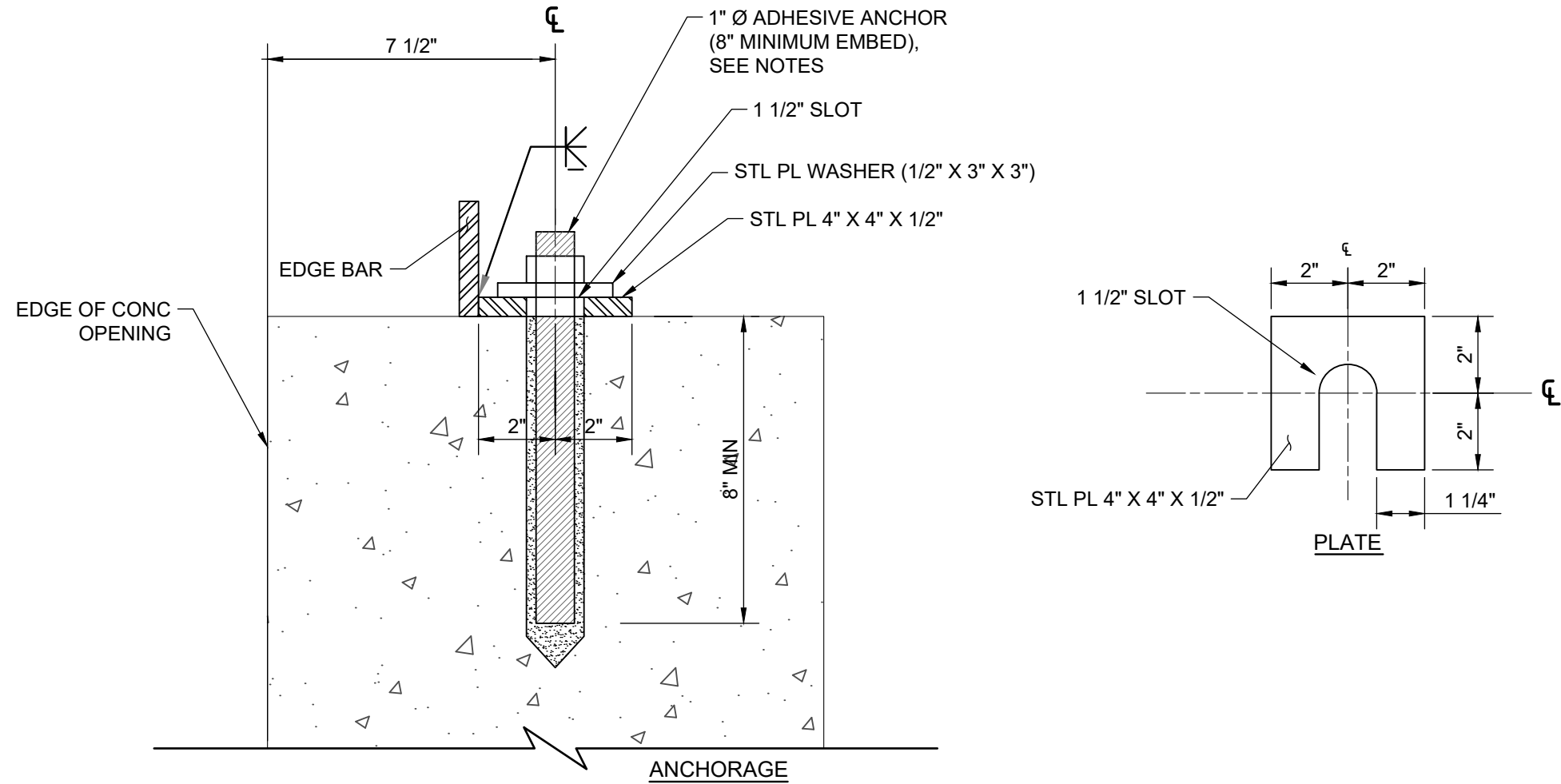
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1 TRASHRACK - ELEVATION VIEW
SCALE: 1" = 1'-0"



2 TYPICAL CROSS BAR/EDGE BAR CONNECTION
SCALE: 3" = 1'-0"



A CONNECTION DETAIL
SCALE: 3" = 1'-0"

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