



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, TULSA DISTRICT
2488 EAST 81ST STREET
TULSA, OKLAHOMA 74137-4290

PUBLIC NOTICE

REQUEST FOR PERMISSION TO ALTER A U.S. ARMY CORPS OF ENGINEERS PROJECT UNDER SECTION 408

TITLE: Sluice Bulkhead Equalization Modification (408-SWT-2022-0029)

PUBLIC NOTICE COMMENT PERIOD:

Begins: January 10, 2023

Ends: January 23, 2023

REQUESTER: In compliance with U.S.C. Title 33, Chapter 9, Subchapter 1, Section 408, the Oklahoma Municipal Power Authority (OMPA) has requested permission from the U.S. Army Corps of Engineers (USACE) for the modification of the Sluice Bulkhead Equalization method on the bulkhead gate at Kaw Lake.

LOCATION: Kaw Lake Dam near Ponca City, OK.

REQUESTERS PROPOSED ACTION: OMPA is proposing to replace a small slide gate on the existing sluice bulkhead gate at Kaw Lake. The 1'x1' slide gate on the upstream side of the bulkhead gate will be replaced with a 6" stainless steel quarter-turn ball valve. The existing slide gate tends to close on its own during operation and must be held open until pressure equalization is reached, the modification will not require to be held in the open position to function properly. This modification will improve the pressure equalization process.

ENVIRONMENTAL IMPACTS OF PROPOSED ACTION: USACE will utilize the U.S. Fish and Wildlife Service (USFWS) blanket letter of approval for actions with no impacts to federally listed species or other federal trust resources dated August 2014. Therefore, USACE determined activities associated with the proposed project are not likely to cause adverse effects to federally listed species or designated critical habitat under the jurisdiction of the USFWS.

The proposed project was reviewed for cultural resources, in accordance with Section 106 of the National Historic Preservation Act, based on an area of potential effect determined based upon construction plans and Endangered Species Act figures. Based on the cultural resources review, the project meets the No Effect threshold, concluding the Section 106 process.

AUTHORITY: The authority to grant permission for a temporary or permanent use, occupation, or alteration of any USACE Civil Works project is contained in Section 14 of the Rivers and Harbors Act of 1899, as amended, codified at 33 U.S.C. 408 (Section 408). Section 408 authorized the Secretary of the Army, on the recommendation of the Chief of Engineers, to grant permission for the alteration or occupation or use of a public interest and will not impair the usefulness of the project. The Secretary of Army's authority under Section 408 has been delegated to the USACE, Chief of Engineers. The USACE Chief of

Engineers has further delegated the authority to the USACE, Directorate of Civil Works and Division and District Engineers, depending upon the nature of the activity.

LIMITS OF SECTION 408 AUTHORITY: A requester has the responsibility to acquire all other permissions or authorizations required by federal, state, and local laws or regulations, including any required permits from the USACE Regulatory Program under Section 10 of the Rivers and Harbors Act of 1899 (33 U.S.C. 403), Section 404 of the Clean Water Act (33 U.S.C. Section 1344), and/or Section 103 of the Marine Protection, Research, and Sanctuaries Act of 1972 (33 U.S.C. 1413). In addition, an approval under Section 408 does not grant any property rights or exclusive privileges nor does it authorize any injury to the property or rights of others.

EVALUATION FACTORS: The decision whether to grant the requested permission for project alteration under Section 408 will be based on several factors. That decision will reflect the national concern for both protection and utilization of important resources. The benefit which reasonably may be expected to accrue from the proposal must be balanced against its reasonably foreseeable detriments. Review of requests for alteration will be reviewed by a USACE technical review team considering the following factors:

- 1) Impair the Usefulness of the Project Determination. The review team will determine if the proposed alteration would limit the ability of the USACE project to function as authorized, or would compromise or change any authorized project conditions, purposes, or outputs. In order for an alteration to be approved, the Requester must demonstrate that the alteration does not impair the usefulness of the federally authorized project.
- 2) Injurious to the Public Interest Determination. Proposed alterations will be reviewed to determine the probable impacts, including cumulative impacts, on the public interest. Factors that may be relevant to the public interest evaluation depend upon the type of USACE project being altered and the nature of the proposed alteration and may include, but are not limited to, such things as conservation, economic development, historic properties, cultural resources, environmental impacts, water supply, water quality, flood hazards, floodplains, residual risk, induced damages, navigation, shore erosion or accretion, and recreation. This evaluation will consider information received from the interested parties, including tribes, agencies, and the public. The benefits that reasonably may be expected to accrue from the proposal must be compared against its reasonably foreseeable detriments. The decision whether to approve an alteration will be determined by the consideration of whether benefits are commensurate with risks and by the net impact of the alteration on the public interest using the public interest factors.
- 3) Environmental Compliance. A decision on a Section 408 request is a federal action, and therefore subject to the National Environmental Policy Act (NEPA) and other environmental compliance requirements. While USACE is responsible for ensuring environmental compliance, the requester is responsible for providing all information that the Tulsa District identifies as necessary to satisfy all applicable federal laws, executive orders, regulations, policies, and procedures. NEPA and other analysis completed to comply with other environmental statutes (e.g., Endangered Species Act) should be

commensurate with the scale and potential effects of the activity that would alter the USACE project. The Tulsa District will work with the requester to determine the requirements, which will be scaled to the likely impacts of the proposed alteration and should convey the relevant considerations and impacts in a concise and effective manner.

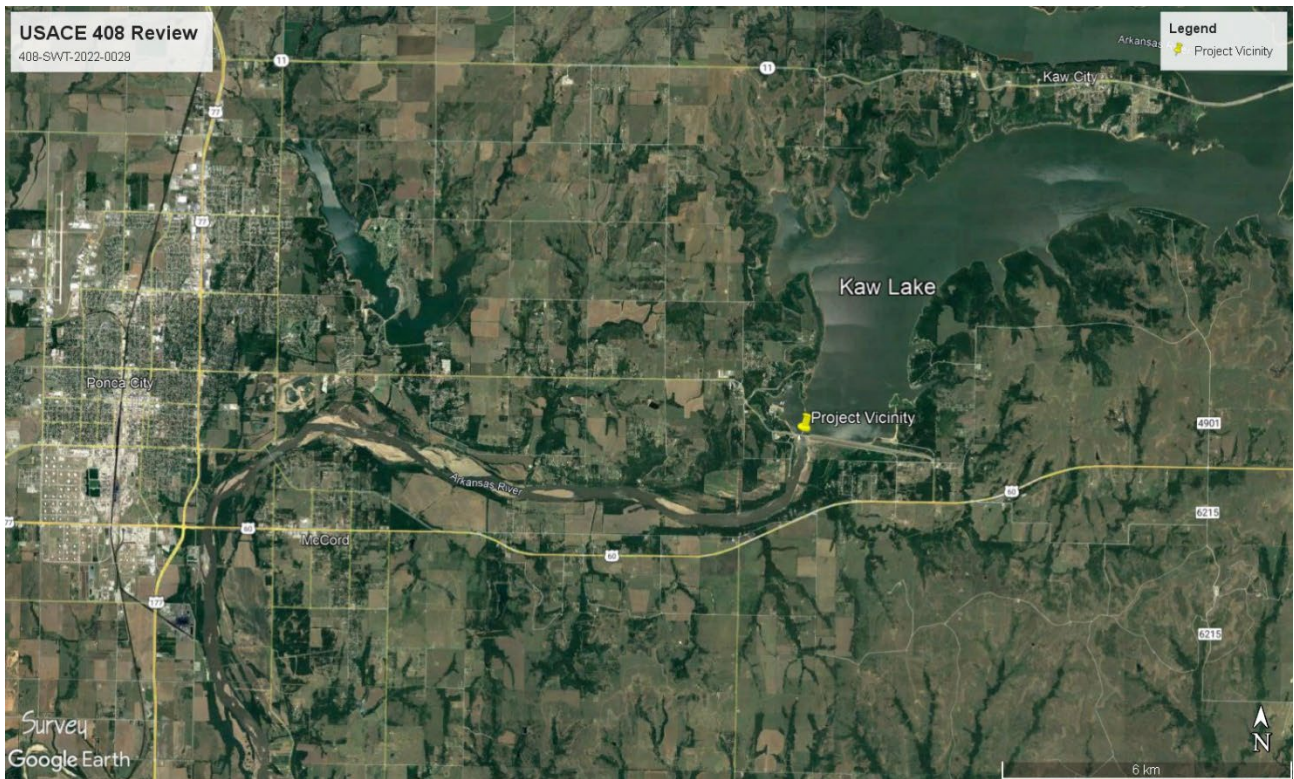
PUBLIC INVOLVEMENT: The purpose of this notice is to solicit comments from the public; federal, state, and local agencies and officials; tribes; and other interested parties regarding the Sluice Bulkhead Equalization Modification. Comments received within 13 days of publication of this notice will be used in the evaluation of potential impacts of the proposed action on important resources and in the evaluation of whether the proposed alteration would be injurious to the public interest and/or would impair the usefulness of the authorized project. Only the specific activities that have the potential to occupy, use, or alter the Sluice Bulkhead gate will be evaluated. Please limit comments to the area of the alteration and those adjacent areas that would be directly or indirectly affected by the requesters proposed project.

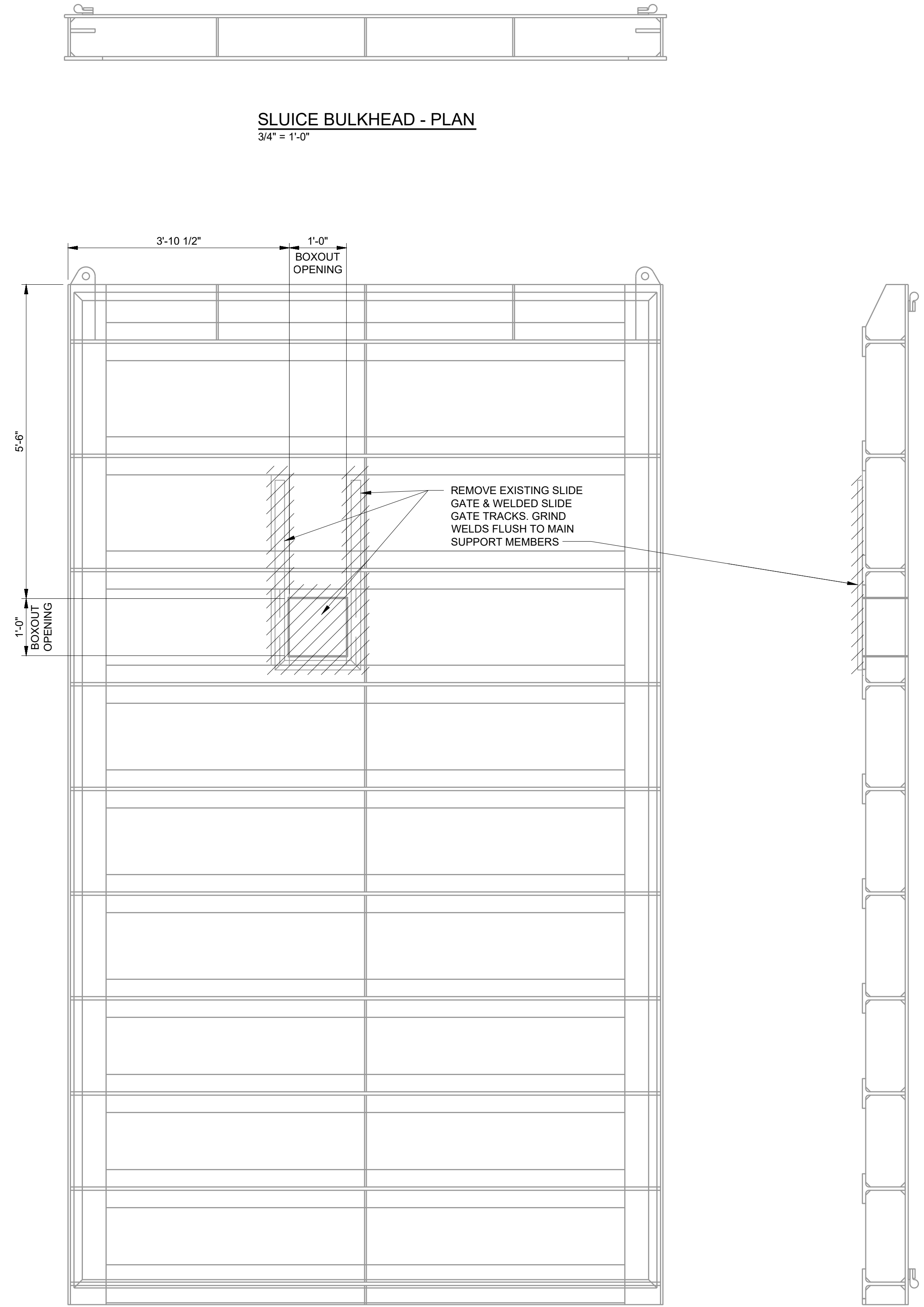
SUBMITTING COMMENTS: Written comments, referencing Identification Number 408-SWT-2022-0029 must be submitted to the office listed below on or before January 23, 2023.

Tony Clyde, Project Manager – 408 Coordinator
U.S. Army Corps of Engineers, Tulsa District
2488 E 81st Street
Tulsa, Oklahoma 74137

Email: Tony.Clyde@usace.army.mil

Attachment 1: Project vicinity.



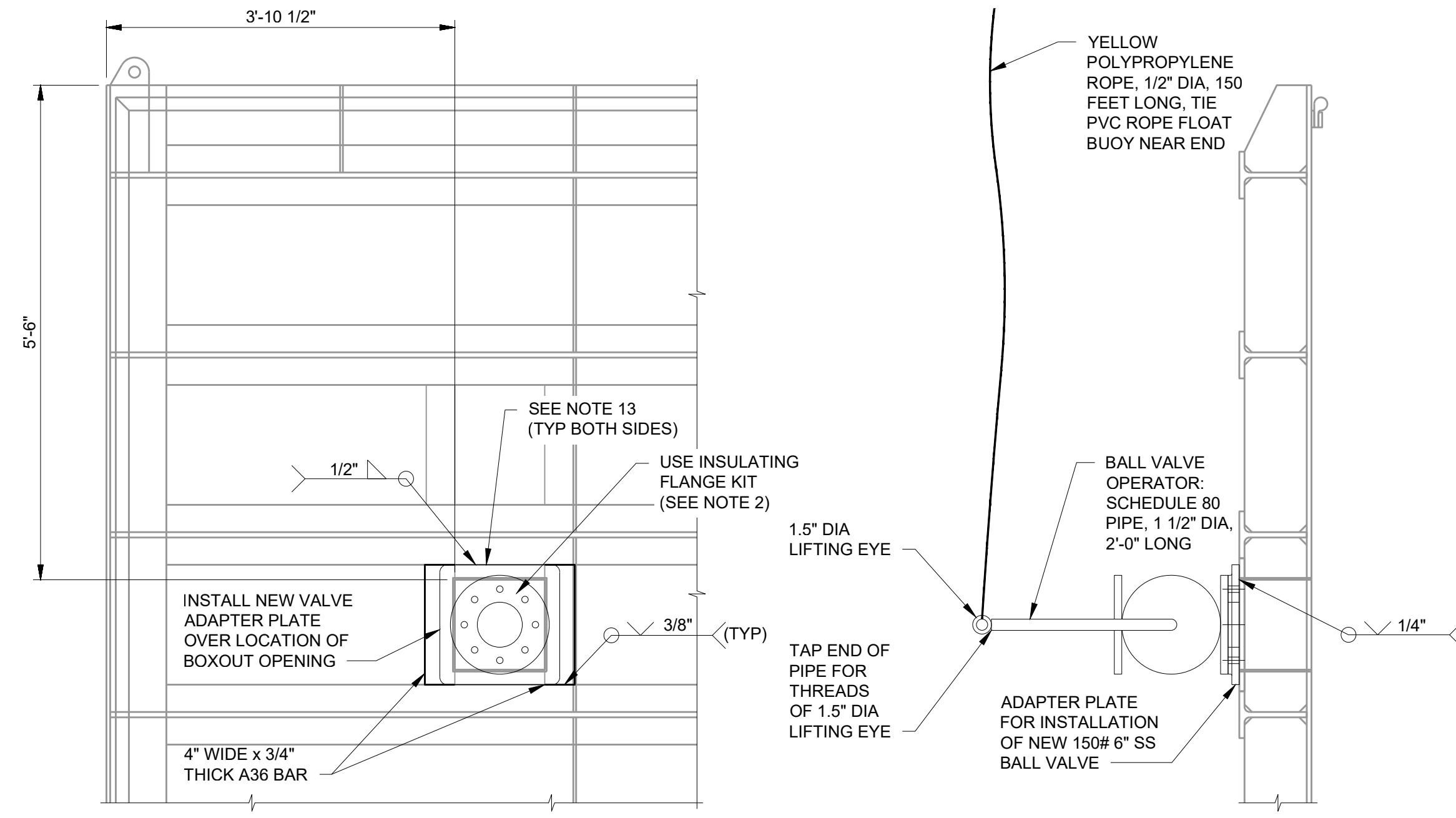


SLUICE BULKHEAD - PLAN
3/4" = 1'-0"

SLUICE BULKHEAD - ELEVATION
3/4" = 1'-0"

SLUICE BULKHEAD - SECTION
3/4" = 1'-0"

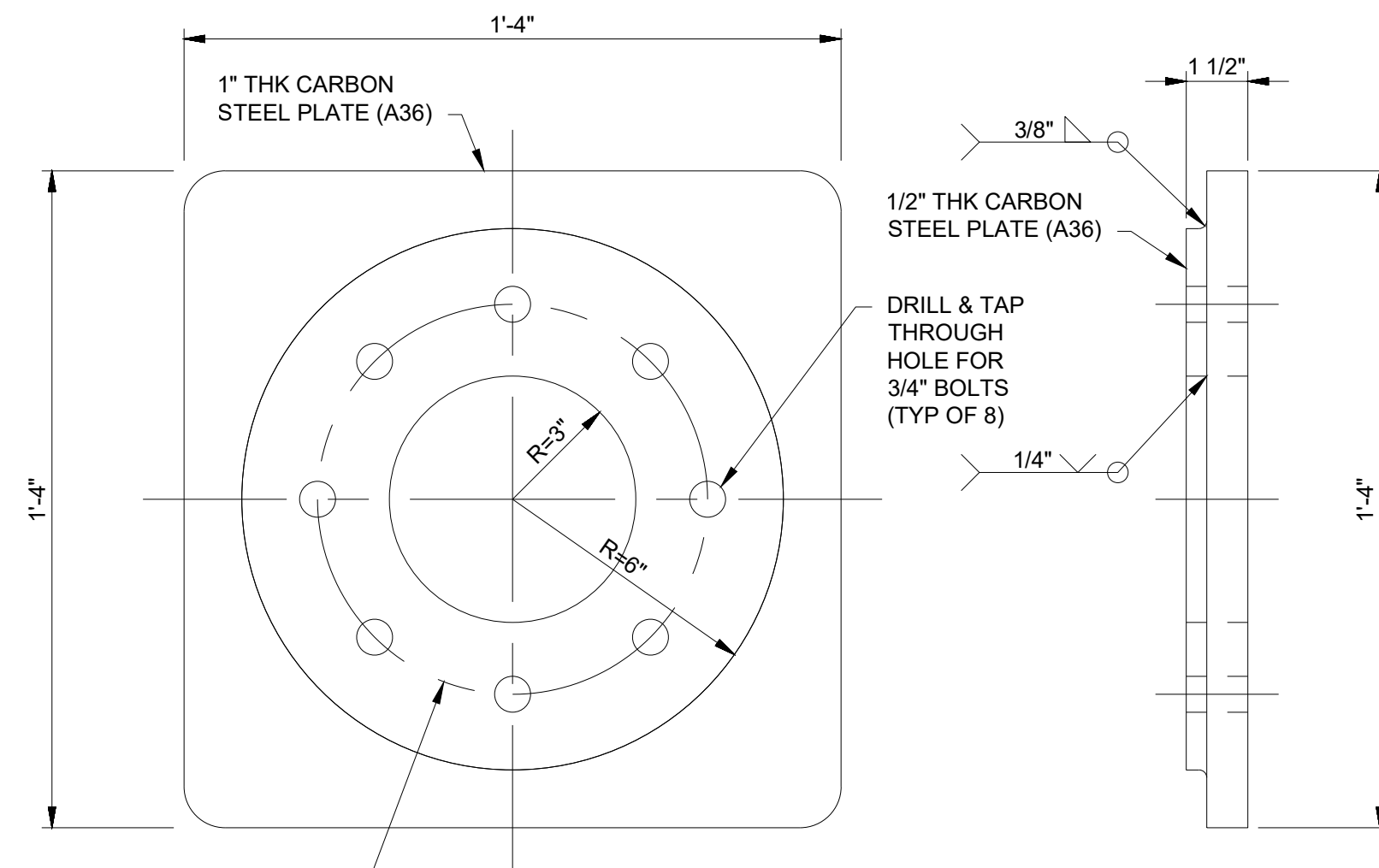
REMOVE EXISTING SLIDE GATE & WELDED SLIDE GATE TRACKS. GRIND WELDS FLUSH TO MAIN SUPPORT MEMBERS



ELEVATION

SECTION

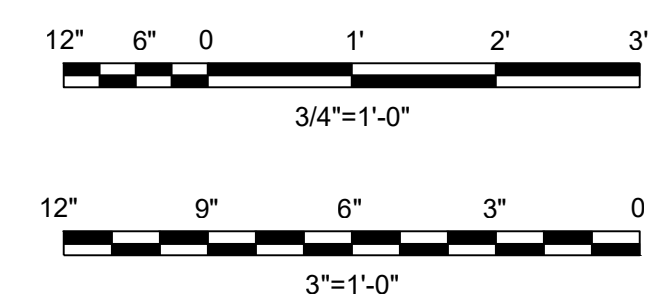
VALVE ADAPTER PLATE - INSTALLATION
3/4" = 1'-0"



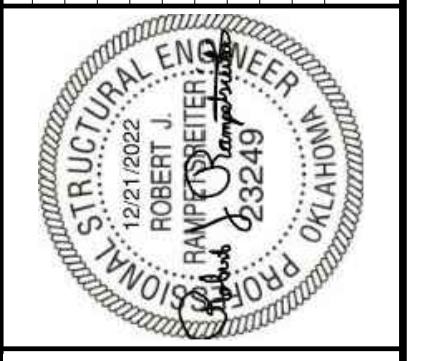
VALVE ADAPTER PLATE
3" = 1'-0"

SLUICE BULKHEAD MODIFICATION NOTES:

- CUTTING OF METAL FROM EXISTING SLUICE BULKHEAD SHALL BE BY A CUTOFF WHEEL AND NOT FLAME OR PLASMA CUT.
- INSULATING FLANGE KITS SHALL BE AS MANUFACTURED BY ADVANCED PRODUCTS OR PIPELINE SEAL AND INSULATOR, INC. GASKETS SHALL BE TYPE E, G10, 1/8" THICK, WITH NITRILE OR EPDM SEALING ELEMENT. BOLT INSULATING SLEEVES SHALL BE G-10, 1/32" THICK.
- ALL SURFACES SHALL BE SOLVENT CLEANED IN ACCORDANCE WITH SSPC-SP1 TO REMOVE OIL AND GREASE.
- SURFACE PREPARATION SHALL BE TO SSPC-SP5; ALL EDGES SHALL BE GROUND TO A RADIUS EQUAL TO 1/2 THE METAL THICKNESS.
- POLYPROPYLENE ROPE SHALL BE STORED OUT OF DIRECT SUNLIGHT WHEN THE BULKHEAD IS NOT INSTALLED TO PREVENT UV DEGRADATION.
- NEW 4" WIDE BY 3/4" THICK A36 BARS SHALL BE INSTALLED AFTER REMOVING EXISTING BARS. THE BARS SHALL BE INSTALLED FLUSH TO THE EXISTING GATE SURFACE, AND WELDS GROUND FLUSH.
- 6" STAINLESS STEEL BALL VALVE SHALL HAVE A 1.5" HOLLOW STEEL TUBE WELDED TO THE LEVER TO EXTEND LENGTH TO 24" AND HAVE A 1.5" DIAMETER EYE WELDED ONTO ONE END. THE OTHER END SHALL BE PLUGGED AND SEAL WELDED.
- THE VALVE SHALL BE INSTALLED WITH THE SHAFT HORIZONTAL, AND THE LEVER ARM SET TO ROTATE FROM 45 DEGREES BELOW HORIZONTAL TO 45 DEGREES ABOVE HORIZONTAL.
- AWS WELDING PROCEDURE NOTES (REFERENCE TO AWS D1.1, AWS D1.5 PROCEDURES).
- ALL NON-STAINLESS SURFACES SHALL BE COATED WITH THREE COATS OF EPOXY (15 MILS TOTAL DRY FILM THICKNESS OF EPOXY) AND ONE COAT OF ALIPHATIC POLYURETHANE (ADDITIONAL 2 MILS).
- EPOXY SHALL BE PPG "AMERCOAT 385 EPOXY", CARBOLINE "CARBOGUARD 890", TNEMEC "SERIES N69 HI-BUILD EPOXOLINE II" OR SHERWIN-WILLIAMS "DURA PLATE 235". ALIPHATIC POLYURETHANE SHALL BE PPG "PITTHANE ULTRA", CARBOLINE "CARBOTHANE 134HG", TNEMEC "SERIES 1074 ENDURA-SHIELD II", OR SHERWIN-WILLIAMS "ACROLON 218HS".
- REFER TO USACE (TULSA DISTRICT) JULY 1970 REFERENCE DRAWING "1970-C5-39/11" FOR ORIGINAL KAW DAM SLUICE GATE BULKHEAD DESIGN.
- REINFORCE EXISTING BOX WITH WELDS BETWEEN THE BOX AND THE BULKHEAD FRAME.



NO.	BY	CHK	APP	DATE	REVISIONS AND RECORD OF USE
0	BA	AWL	RR	12/20/2022	ISSUED FOR CONSTRUCTION



BLACK & VEATCH
Black & Veatch Corporation
Kansas City, Missouri

OMPA - KAW HYDRO KAW DAM SLUICE BULKHEAD MODIFICATIONS
CIVIL SLUICE BULKHEAD MODIFICATIONS

DESIGNED: BA
DETAILED: JKS
CHECKED: AWL
APPROVED: RR
DATE: 12/20/2022

IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO FULL SCALE
PROJECT NO. **C-100**
SHEET OF

SCH42738, 12/15/2022 10:40:43 AM
SCH42738, 12/15/2022 10:39:43 AM
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