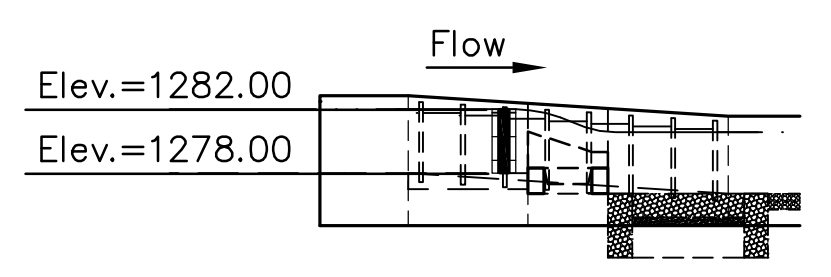


BOAT PASS STOP LOGS – PLAN VIEW
SCALE: 1" = 1'-0"



BOAT PASS STOP LOGS – ELEVATION
SCALE: 1" = 1'-0"

STOP LOG QUANTITIES FOR INFORMATION ONLY		
Stop Log System	1	Ea.

NOTE: GATE DIMENSIONS
INCLUDE MOUNTING HARDWARE

STOP LOG SYSTEM:

1. GENERAL

- 1.1. GENERAL. THE EQUIPMENT PROVIDED UNDER THIS SECTION SHALL BE FABRICATED, ASSEMBLED, ERECTED, AND PLACED IN PROPER OPERATING CONDITION IN FULL CONFORMITY WITH THE DRAWINGS, SPECIFICATIONS, ENGINEERING DATA, INSTRUCTIONS AND RECOMMENDATIONS OF THE EQUIPMENT MANUFACTURER UNLESS EXCEPTIONS ARE NOTED BY THE ENGINEER. STOP LOGS SHALL BE SUPPLIED WITH ALL THE NECESSARY PARTS AND ACCESSORIES INDICATED ON THE DRAWINGS, SPECIFIED OR OTHERWISE REQUIRED FOR A COMPLETE, PROPERLY OPERATING INSTALLATION, AND SHALL BE THE LATEST STANDARD PRODUCT OF A MANUFACTURER REGULARLY ENGAGED IN THE PRODUCTION OF STOP LOGS.
- 1.2. QUALITY ASSURANCE
 - 1.2.1. THE MANUFACTURER SHALL HAVE EXPERIENCE IN THE PRODUCTION OF SUBSTANTIALLY SIMILAR EQUIPMENT AND SHALL SHOW EVIDENCE OF SATISFACTORY OPERATION IN AT LEAST 5 INSTALLATIONS. THE MANUFACTURER WILL PREPARE A DOCUMENT CONTAINING PROJECT NAME, CONTACT, TELEPHONE NUMBER, YEARS OF SERVICE AND SIZE FOR REVIEW BY THE OWNER.
 - 1.2.2. THE MANUFACTURER'S SHOP WELDS, WELDING PROCEDURES AND WELDERS SHALL BE QUALIFIED AND CERTIFIED IN ACCORDANCE WITH THE REQUIREMENT OF THE LATEST EDITION OF AWS D1.1 FOR STEEL, D1.2 FOR ALUMINUM OR D1.6 FOR STAINLESS STEEL.
 - 1.2.3. THE FULLY ASSEMBLED STOP LOGS SHALL BE SHOP INSPECTED BEFORE SHIPPING.
- 1.3. SUBMITTALS.
 - 1.3.1. THE MANUFACTURER SHALL SUBMIT, FOR APPROVAL BY THE PURCHASER, DRAWINGS SHOWING THE PRINCIPAL DIMENSIONS, CONSTRUCTION, CONNECTION DETAILS AND MATERIALS USED IN THE GATE AND STOP LOG SYSTEM PRIOR TO FABRICATION OF THE STOP LOG SYSTEM.
 - 1.3.2. SHOP DRAWINGS SHALL BE SEALED BY A REGISTERED PROFESSIONAL ENGINEER IN THE STATE OF KANSAS.
 - 1.3.3. THE MANUFACTURER SHALL SUBMIT AN OPERATIONS AND MAINTENANCE MANUAL FOR THE STOP LOG SYSTEM.

2. PERFORMANCE

- 2.1. LEAKAGE. STOP LOGS SHALL BE SUBSTANTIALLY WATERTIGHT UNDER THE DESIGN HEAD CONDITIONS. LEAKAGE SHALL NOT EXCEED 0.1 U.S. GALLON PER MINUTE PER FOOT OF PERIPHERY FOR THE RATED SEATING HEAD.
- 2.2. DESIGN HEAD. FOR THE PURPOSE OF THESE SPECIFICATIONS, STOP LOGS SHALL BE DEFINED AS MEETING THE LEAKAGE REQUIREMENTS MAXIMUM WATER LEVEL (HEIGHT OF STOP LOGS IN CHANNEL).
- 2.3. DEFLECTION. THE LOGS SHALL CONSIST OF A FLAT PLATE REINFORCED WITH FORMED PLATES OR STRUCTURAL MEMBERS TO LIMIT THEIR DEFLECTION TO 1/240 OF THE GATE'S SPAN UNDER THE DESIGN HEAD.
- 2.4. MATERIALS. STOP LOG SYSTEM SHALL BE CONSTRUCTED ENTIRELY OF CORROSION RESISTANT MATERIALS SUCH AS HOT DIP GALVANIZED STEEL, STAINLESS STEEL OR ALUMINUM. ALL FASTENER HARDWARE SHALL BE STAINLESS STEEL.
- 2.5. LOGS. LOGS SHALL BE OF SUFFICIENT WEIGHT TO BE SUBMERGED UNDER THEIR OWN WEIGHT.
- 2.6. LIFTING DEVICE. A STEEL LIFTING DEVICE SHALL BE SUPPLIED FOR EACH STOP LOG WIDTH. THE LIFTING DEVICE SHALL BE EQUIPPED WITH SUITABLE CONNECTING POINTS FOR CRANE OPERATION. THE LIFTING DEVICE SHALL BE EQUIPPED WITH A DEVICE TO ALLOW RELEASING OF THE STOP LOG FROM THE OPERATING FLOOR. THE LIFTING DEVICE SHALL CONNECT TO THE LOG AUTOMATICALLY.
- 2.7. STORAGE. ~~A STORAGE RACK SHALL BE PROVIDED FOR ALL STOP LOGS ON THE PROJECT SITE. STORAGE RACK SHALL BE CONSTRUCTED WITH A CONCRETE PAD AND APPROPRIATE RACK CONSTRUCTED OUT OF SIMILAR MATERIALS.~~

3. EXECUTION

- 3.1. INSTALLATION. STOP LOGS SHALL BE HANDLED AND INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.
- 3.2. DEMONSTRATION. CONTRACTOR SHALL COORDINATE TWO DEMONSTRATIONS OF THE STOP LOG SYSTEM TO OWNER STAFF. EACH DEMONSTRATION SHOULD INCLUDE INSTALLING AND REMOVING ALL STOP LOGS.

BOAT PASS DEWATERING SYSTEM DETAILS

BOAT PASS DEWATERING SYSTEM DETAILS
SHEET TITLE
472-84883
PROJECT NUMBER

DESIGN BY	JRA
DRAWN BY	PJD
CHECKED BY	KJS

ISSUED	1/24/2011
REVISED	

SHEET NO.	89 of 169
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