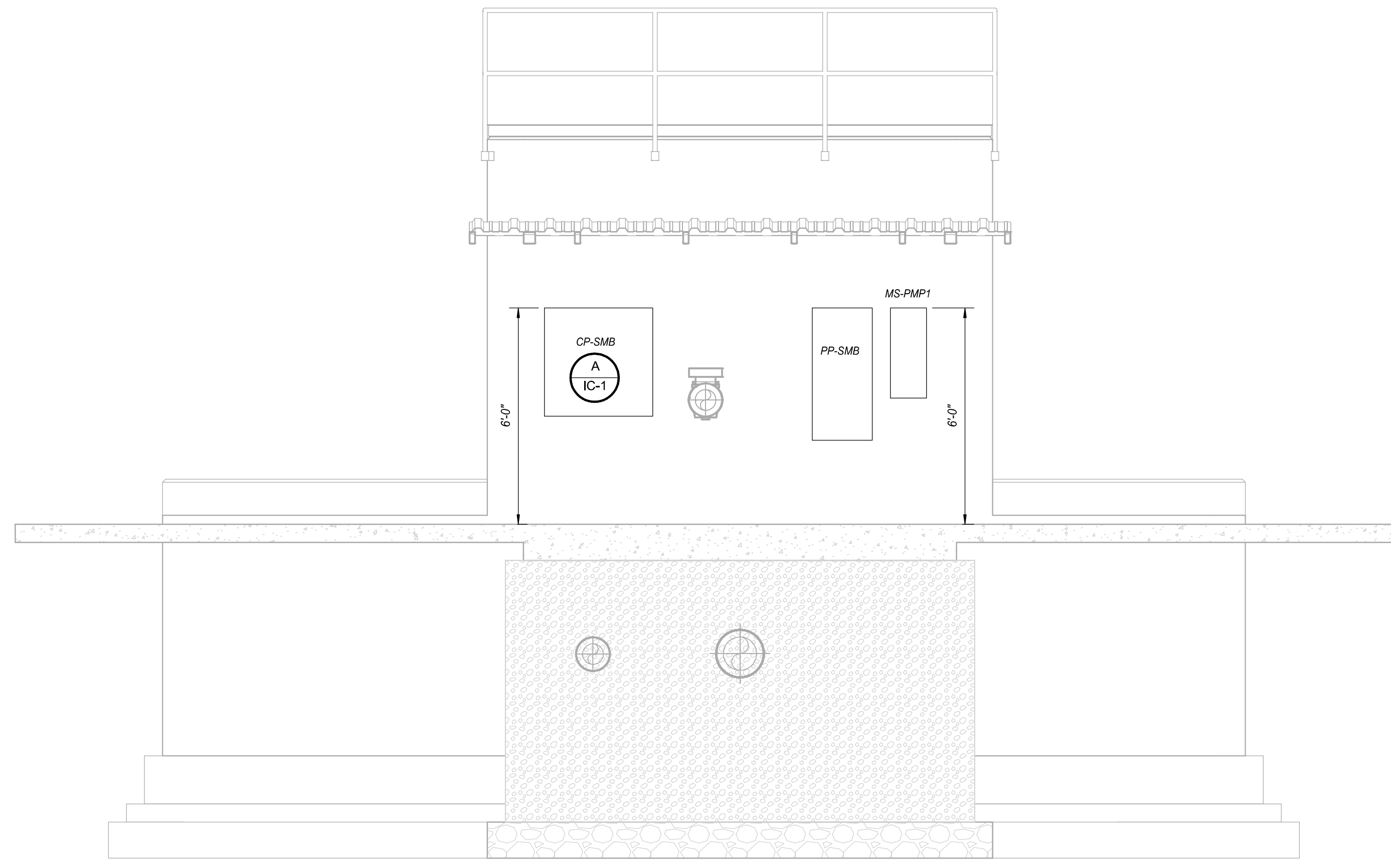


SLUDGE MIXING BOX
DETAIL
3/8" = 1'-0"



SLUDGE MIXING BOX
SECTION
3/8" = 1'-0"

KEYED NOTES

1. PROVIDE AND INSTALL A 1" CONDUIT WITH SIX (6) #10 AND ONE (1) #12 GND FROM THE EXISTING 120V PANEL IN THE DEWATERING BUILDING TO CONTROL PANEL CP-SMB. ONE CIRCUIT SHALL BE USED FOR CP-SMB POWER, ONE CIRCUIT SHALL BE USED FOR CANOPY LIGHTING AND HEAT TRACE, ONE CIRCUIT SHALL BE USED FOR TWO (2) GFCI RECEPTACLES AS SHOWN. THE CONTRACTOR SHALL PROVIDE AND INSTALL THREE (3) 20 AMP BREAKERS INSIDE THE EXISTING 120V PANEL, UTILIZING ONE BREAKER PER CIRCUIT.
2. PROVIDE AND INSTALL A 1 1/2" CONDUIT WITH THREE (3) #3 AND ONE (1) #8 GND FOR POWER TO PANEL PP-SMB FROM THE DEWATERING BUILDING. CONTRACTOR SHALL SUPPLY AND INSTALL ONE (1) 100 AMP BREAKER IN EXISTING POWER PANEL.
3. PROVIDE AND INSTALL ONE (1) GFCI RECEPTACLE FOR HEAT TRACE. CIRCUIT SHALL BE SHARED WITH CANOPY LIGHTS.

GENERAL NOTES

1. ALL EXTERIOR EXPOSED CONDUIT SHALL BE RIGID ALUMINUM (RAC) EXCEPT WHERE NOTED FOR PVC COATED RIGID (CRSC).
2. ALL EXTERIOR EXPOSED CONDUIT FOR FINAL CONNECTIONS TO ROTATING EQUIPMENT OR CONTROL DEVICES SHALL BE SEALTITE.
3. ALL UNDERGROUND CONDUIT SHALL BE SCHEDULE 40 PVC (PVC40).
4. ALL TRANSITIONS FROM BELOW TO ABOVE GRADE SHALL BE CRSC EXCEPT WHERE THE CONDUIT STUB-UPS ARE CONCEALED BY EQUIPMENT SUCH AS MOTOR CONTROL CENTERS. CONCEALED STUB-UPS MAY BE PVC40.
5. ALL INTERIOR CONDUIT SHALL BE RAC OR AS NOTED ON PLAN SHEETS.

ONE INCH
AT FULL SIZE
IF NOT ONE INCH
SCALE ACCORDINGLY

REVISION	DATE



HAWKINS-WEIR ENGINEERS, INC.
BLACK & VEATCH

ROGERS, ARKANSAS
ROGERS POLLUTION CONTROL FACILITY (PCF)
SOLIDS HANDLING IMPROVEMENTS, PHASE II
SLUDGE MIXING BOX ELECTRICAL PLAN DETAIL AND SECTION
FOR: ROGERS WATER UTILITIES

DATE: AUGUST 2024
SCALE: 3/8" = 1'-0"
DESIGNED BY: WH
DRAWN BY: DS
HWEI NO.: 2020043
FILENAME: SLUDGE MIXING BOX

SHEET NO.
EC-1