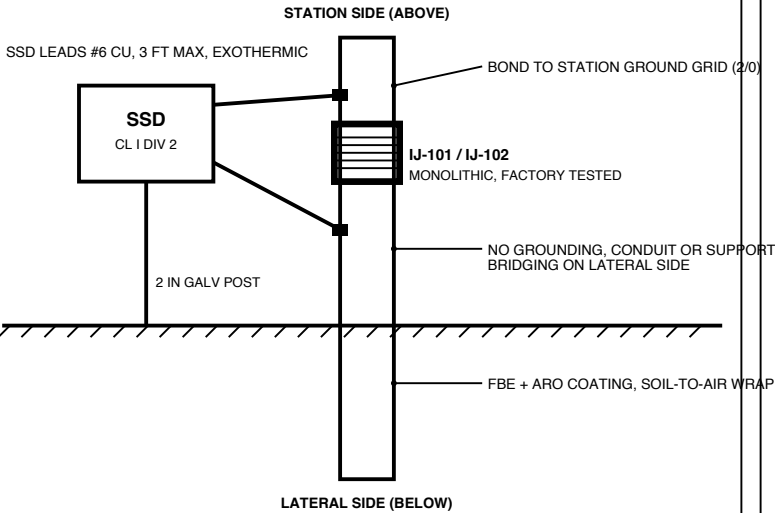
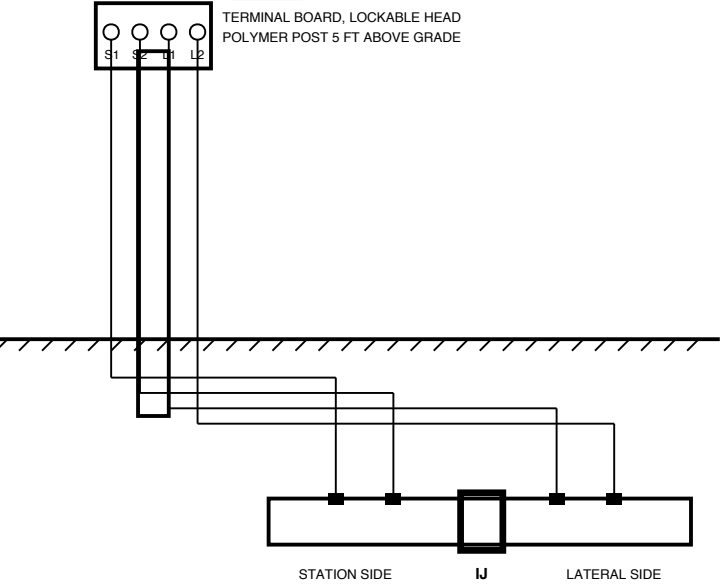


DECOUPLER: -2/+2 V DC BLOCKING, 3.7 kA 30 CYCLE AC FAULT,
100 kA 8x20 LIGHTNING (TYPICAL, HOLD H-15).
FIRST SUPPORT ON LATERAL SIDE INSULATED (PAD + SLEEVES).



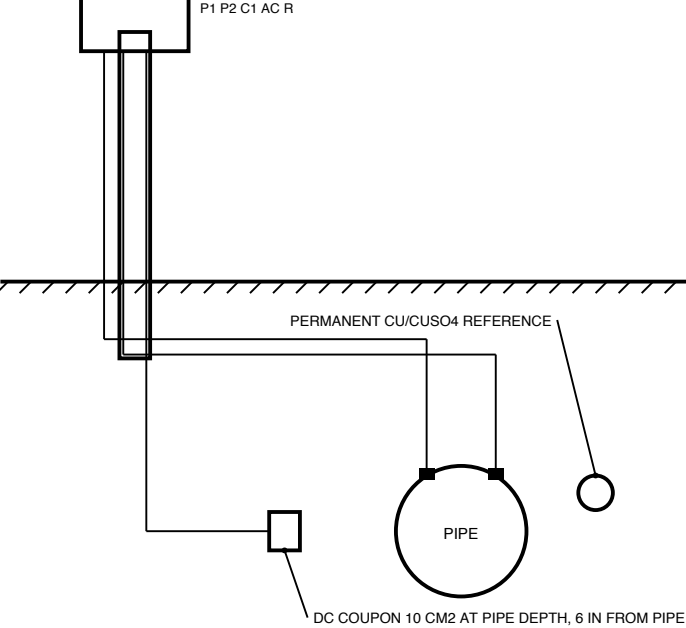
1 INSULATING JOINT WITH DECOUPLER
NOT TO SCALE

S1 #8 BLACK (CURRENT), S2 #12 BLACK (POTENTIAL) STATION SIDE
L1 #8 WHITE (CURRENT), L2 #12 WHITE (POTENTIAL) LATERAL SIDE
18 IN SLACK COIL AT POST; LEADS 30 IN MIN COVER
TS-102: SPARE TERMINALS FOR BOND (HOLD H-01)



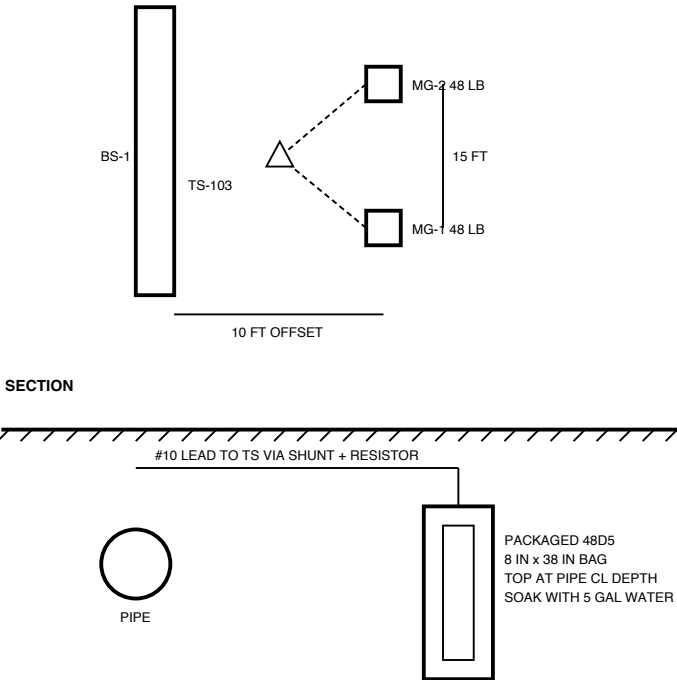
2 4-WIRE IJ TEST STATION (TS-101, TS-102)
NOT TO SCALE

P1 / P2 #12 BLACK TO PIPE; C1 #12 BLUE COUPON;
AC COUPON 1 CM2 #12 BLUE (TS-103); R #14 YELLOW.
COUPON SHORTING LINK C1-P1 FOR ON / INSTANT-OFF.

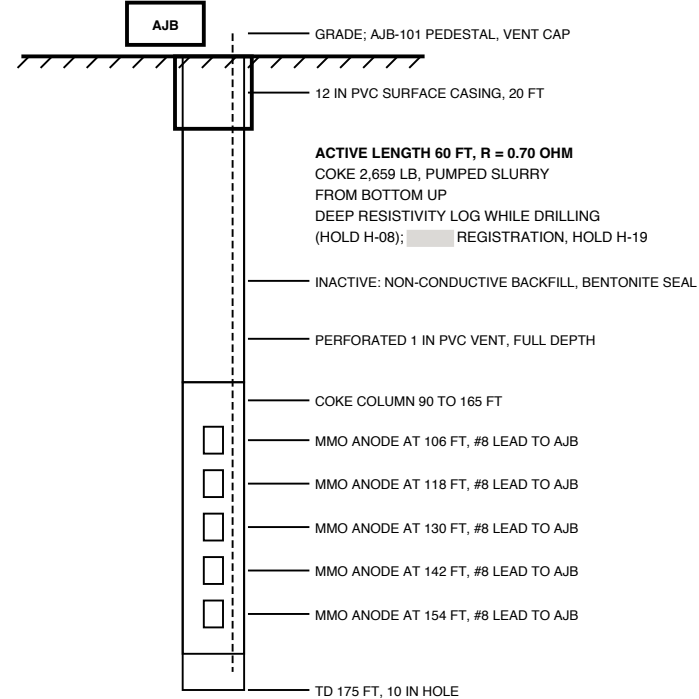


3 2-WIRE / COUPON TEST STATION
NOT TO SCALE

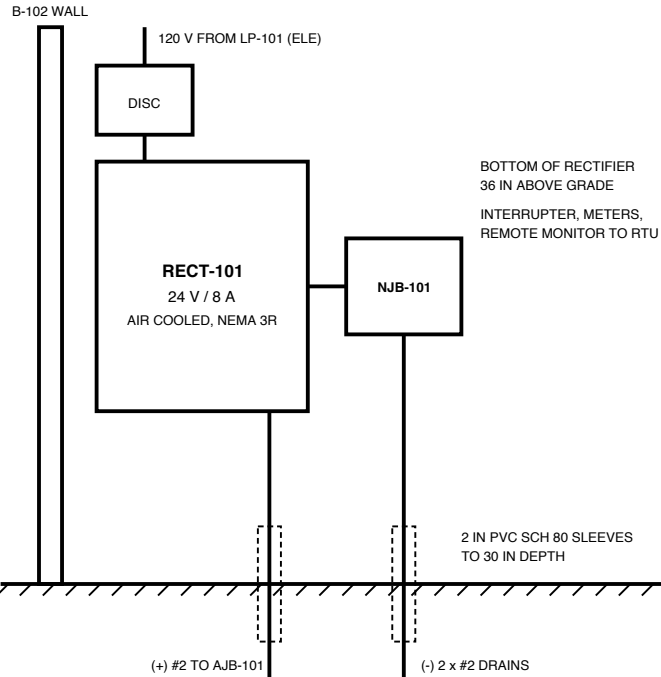
PLAN (MG-1 / MG-2 ON 12"-G-1042)



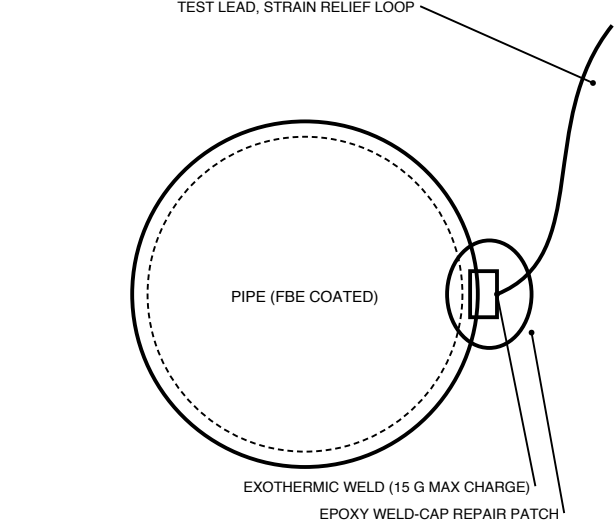
4 MAGNESIUM ANODE INSTALLATION
NOT TO SCALE



5 DEEP ANODE WELL DW-101 SECTION
NOT TO SCALE



6 RECTIFIER MOUNTING, B-102 SOUTH WALL
NOT TO SCALE



1. REMOVE COATING 3 IN x 3 IN; GRIND TO BRIGHT METAL.
2. WELD AT 3 OR 9 O'CLOCK; NOT ON SEAM OR GIRTH WELD.
3. MIN 6 IN FROM ANY WELD; 1 CONNECTION PER LEAD.
4. HAMMER TEST; HOLIDAY TEST PATCH AT 125 V/MIL.
5. 1 IN F-1052 (WALL < 0.25 IN): 15 G CHARGE MAX OR PIN BRAZE PER OPERATOR PROCEDURE (192.471, VOL 8).

7 TEST LEAD CONNECTION TO PIPE
NOT TO SCALE

GENERAL NOTES

1. DESIGN: CP-CAL-001; LAYOUT CP-DWG-001; SCHEDULE CP-LST-001.
2. CABLE: HMWPE 600 V; ANODE HEADER AND ANODE LEADS HMWPE/HALAR DUAL INSULATION.
3. DIRECT BURIAL 30 IN MIN, SAND BEDDING, WARNING TAPE 12 IN ABOVE.
4. NO SPLICES IN POSITIVE CABLE EXCEPT AT AJB; ANY DAMAGED ANODE CABLE IS REPLACED (A NICK CORRODES THROUGH).
5. DECOUPLER AND EQUIPMENT IN CLASS I DIV 2 AREAS LISTED FOR THE LOCATION (ELE-RPT-001).
6. MG ANODES: REMOVE PLASTIC WRAP, SET BAG ON UNDISTURBED SOIL, NATIVE BACKFILL TAMPED IN 6 IN LIFTS.
7. RECORD NATIVE POTENTIALS BEFORE ENERGIZING; SET RECTIFIER AND MG RESISTORS AT COMMISSIONING.
8. VENDOR DATA HOLD H-15; INTERFACE HOLD H-01 / H-04.
9. LEAD COLOURS: BLACK STATION, WHITE LATERAL, RED ANODE, BLUE COUPON, YELLOW REFERENCE.

NOTES / REFERENCES

1. ALL DETAILS NOT TO SCALE.
 2. DESIGN BASIS CP-CAL-001.
 3. LAYOUT CP-DWG-001.
 4. TEST STATIONS CP-LST-001.
- REF: AMPP SP0169, SP0572, SP0286; 49 CFR 192.467, .469, .471

REVISIONS

REV	DATE	DESCRIPTION	BY	CHK	APP
A	2026-09-29	ISSUED FOR REVIEW (IFR)			

PRELIMINARY - ISSUED FOR REVIEW - NOT FOR CONSTRUCTION

ENGINEER OF RECORD SEAL

NOT SEALED
PRELIMINARY

PE NO. _____

PROJECT

120 MMSCFD RECEIPT INTO _____

COUNTY, _____
DISCIPLINE: CATHODIC PROTECTION
SCALE: NTS

CATHODIC PROTECTION DETAILS

IJ, TEST STATIONS, ANODES, RECTIFIER
DRAWN: _____ CHECKED: _____ APPROVED: _____
DWG NO. CP-DWG-002
SHEET 1 OF 1 REV A