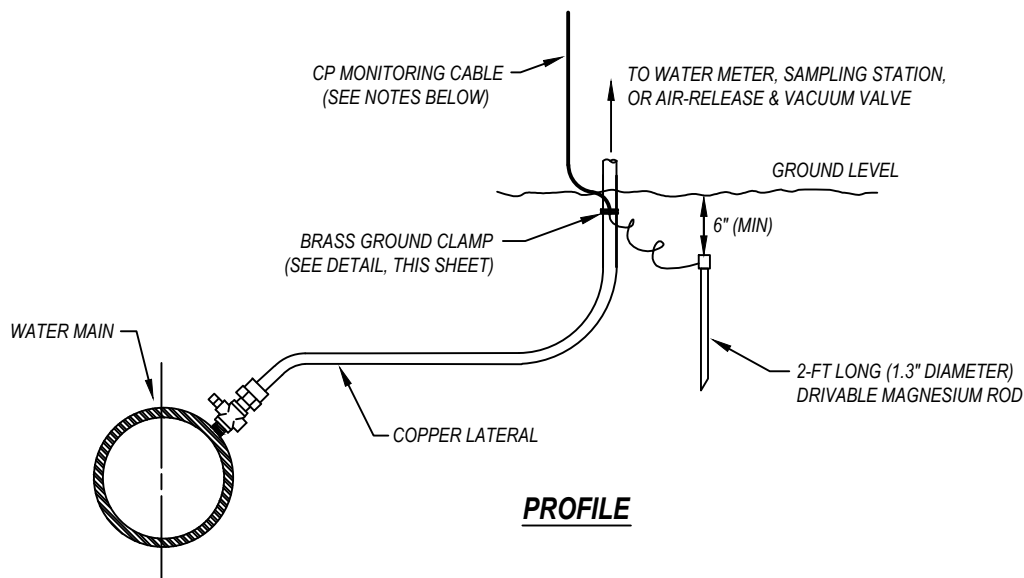


GROUND CLAMP DETAIL

NOTES

1. STRIP WIRE INSULATION AT THE GROUNDING CLAMP TO ENSURE ELECTRICAL CONTINUITY.
2. ALL BOLTS SHALL BE BRASS WITH HEX HEADS.
3. GROUNDING CLAMP SHALL BE AT DEPTH READILY ACCESSIBLE IN THE METER BOX.
4. GROUNDING CLAMP SHALL BE INSTALLED PRIOR TO WRAPPING OF PIPE WITH 10-MIL HIGH TACK PIPE TAPE.



PROFILE

NOTES

1. DRIVABLE ANODE SHALL BE 2-LB (24" LONG, 1.3" DIAMETER) MAGNESIUM RODS WITH A 0.125-INCH DIAMETER STEEL CORE. LEAD WIRES FOR ANODES SHALL BE 3-FT LONG #10 AWG SOLID COPPER WIRE WITH BLACK RHWW-USE INSULATION. ANODES SHALL HAVE UHMW POLYETHYLENE DRIVE CAP AND THE DRIVE POINT SHALL BE CUT AT A 45-DEGREE ANGLE. GROUNDING CLAMPS SHALL BE BRASS WITH BRASS HEX BOLTS AND NUTS.
2. THE SURFACE OF THE COPPER RISER PIPE IN THE WATER METER BOX SHALL BE CLEANED PRIOR TO ATTACHMENT OF THE BRASS GROUNDING CLAMP IN ORDER TO ENSURE A GOOD ELECTRICAL CONNECTION BETWEEN THE CLAMP AND THE COPPER WATER LATERAL.
3. A PREDRILLED HOLE IS REQUIRED FOR ALL ANODE INSTALLATIONS. HOLE SHALL BE INSTALLED WITHIN THE METER BOX ADJACENT TO WATER METER. HOLE SHALL BE LARGE ENOUGH TO SUFFICIENTLY INSERT THE ANODE SUCH THAT A TIGHT FIT IS MAINTAINED BETWEEN THE ANODE AND THE SOIL, AND THAT A MINIMUM COVER OF 6-INCHES IS OBTAINED.
4. RUN WIRE IN CONTINUOUS LENGTH FROM THE ANODE TO THE GROUNDING CLAMP, FREE OF JOINTS OR SPLICES. CARE SHALL BE USED DURING INSTALLATION TO AVOID PUNCTURES, CUTS AND SIMILAR DAMAGE TO THE WIRE INSULATION.
5. CP MONITORING CABLES SHALL BE REQUIRED ON ALL COPPER LATERALS. CABLE SHALL BE #10 AWG/HMWPE BOND CABLE AND SHALL EXTEND A MINIMUM OF 9-INCHES ABOVE GROUND INTO THE WATER METER BOX FOR CP TESTING PURPOSES. CABLE SHALL BE CONNECTED TO THE BRASS CLAMP TO THE DRIVABLE MAGNESIUM ANODE. THE BRASS CLAMP (CONNECTED TO THE ANODE) SHALL BE CLAMPED TO BARE COPPER PRIOR TO WRAPPING WITH HIGH TACK TAPE, WAX TAPE, AND/OR POLYETHYLENE WRAP.

CITY OF NAPA

PUBLIC WORKS DEPARTMENT

TITLE
**ANODE INSTALLATION
 (DRIVABLE MAGNESIUM ANODES)**

DRAWN BY: DCF
 DATE: 07/2017
 SCALE: NTS
 FIELD NOTES:

CHECKED BY: MJH
 APPROVED BY: MJH
 DRAWING NO. W-24E