



NOTES

1. GRIND PIPE SURFACE TO BRIGHT METAL PRIOR TO EXOTHERMIC WELDING.
2. APPLY WELD CAP DIRECTLY TO PIPE, NOT TO PIPE WRAP. USE PRIMER AS REQUIRED BY MANUFACTURER. COMPLETELY ENCIRCLE WIRE WITHIN ELASTOMER.
3. REPAIR ANY DAMAGED COATING NOT COVERED BY WELD CAP.
4. PROVIDE ONE (1) 17 POUND HIGH POTENTIAL MAGNESIUM ANODE PER SIX (6) STEEL PIPE JOINTS AND ONE (1) 17 POUND HIGH POTENTIAL MAGNESIUM ANODE PER CAST IRON PIPE LENGTH. INSTALL ANODES AT JOINTS AND BOND THE EXCAVATED JOINTS.
5. DIELECTRICALLY ISOLATE ALL MAINS AND SERVICE CONNECTIONS FROM THE PROJECT MAINS. DO NOT BREAK THE EXISTING RESTRAINED JOINT SCHEDULE; IF ISOLATION IS WITHIN A RESTRAINED JOINT SECTION OF PIPE, PROVIDE AN INSULATING RESTRAINED JOINT. PROVIDE A TEST STATION AT ALL BURIED INSULATION JOINTS PER WSC STANDARD DWG. W1.22.3, EXCEPT SERVICE CONNECTIONS WHERE THERE IS ACCESS TO THE SERVICE AT A VAULT, ETC. AT THOSE INSULATION JOINTS WITH TEST STATIONS PROVIDE TWO (2) ANODES SPACED AS FAR AS POSSIBLE IN THE EXCAVATION, AND BRING THEE ANODE WIRES TO THE TEST STATION AND CONNECT ONE ANODE TO EACH SIDE OF THE JOINT.
6. THE ENGINEER WILL EVALUATE ISOLATION AND DETERMINE ADDITIONAL ANODE REQUIREMENTS, IF ANY, AFTER THE ISOLATION WORK IS COMPLETE. THIS PRELIMINARY CORROSION CONTROL WORK IS NOT INTENDED TO PROVIDE A COMPLETE NUMBER OF ANODES OR THE ASSURED CATHODIC PROTECTION OF CONTINUOUSLY BONDED JOINT PIPE.
7. FOR LIFE AND SAFETY CONCERNS: BEFORE DIELECTRIC ISOLATION OF SERVICES NOTIFY THE CUSTOMER AND ASSURE THAT ALTERNATE ELECTRICAL GROUNDING IS INSTALLED.

SCALE: N.T.S.

DRAWN BY: LSB

CONSTRUCTION: *Cash*

ENGINEERING: *KPL*



WATER DIVISION STANDARD DRAWING

**CATHODIC PROTECTION
EXOTHERMIC WELD & CAP**

DRAWING NUMBER

W1.22.2

REVISED: 03-23-2021

SPECIFICATION NOTE:

THE SPECIFICATION REFERENCE(S), IF PROVIDED, IN THIS STANDARD ARE FOR INFORMATIONAL PURPOSES ONLY AND MAY NOT BE COMPLETE. IT IS THE CONTRACTORS RESPONSIBILITY TO ENSURE THAT ANY INSTALLATION PERFORMED MEETS THE REQUIREMENTS SET FORTH IN THE STANDARD CONSTRUCTION SPECIFICATIONS AND ANY OTHER APPLICABLE STANDARD.