



50 LB CONVENTIONAL ANODE DETAIL (4) NOT TO SCALE

- 1. FILE STRUCTURE SURFACE UNTIL 2º CIRCULAR AREA IS CLEAN,
- 2. REMOVE REQUIRED AMOUNT OF INSULATION FROM WIRE.
- 3. CRIMP ON COPPER SLEEVE IF REQUIRED.
- 4. PLACE AGAINST CLEANED AND PROPERLY PREPARED SURFACE.
- 5. PLACE PROPERLY PREPARED WELDER OVER WIRE AND CLEANED SURFACI

INSULATION

-ANODE LEAD

WIRE OR TAP

- 6. HOLD WELDER FIRMLY AGAINST STRUCTURE WITH A WIRE PROPERLY PLACED IN GROOVE PROVIDED.
- 7. IGNITE POWDER WITH FLINT IGNITER AND HOLD FIRMLY IN PLACE UNTIL WELD METAL IS BONDED.
- 8. REMOVE MOLD AND CLEAN RESIDUE FROM WELD.
- 9. TEST WELD INTEGRITY USING A SHARP BLOW TO THE SIDE OF WELD.
- 10. PLACE EXOTHERMIC CAP WITH MASTIC FILL OVER WELD.

FOR DUCTILE IRON PIPE, ALL BELL AND SPIGOT JOINTS SHALL BE ELECTRICALLY BONDED USING A NO. 4 AWG BARE COPPER WIRE, OF ADEQUATE LENGTH TO BRAZE, USING A NO. 15 CADWELD CARTRIDGE, THE COPPER WIRE TO THE BARE METAL AT THE BELL AND SPIGOT, COST SHALL BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT OF DUCTILE IRON PIPE. NO ADDITIONAL PAYMENT WILL BE MADE.

FOR DUCTILE IRON PIPE ONLY, JUNCTION BOX TEST STATION SHALL BE FURNISHED AND INSTALLED, EXCEPT, NO MAGNESIUM ANODE BANKS SHALL BE FURNISHED OR INSTALLED. JUNCTION BOX TEST STATIONS SHALL BE INSTALLED IN ACCORDANCE WITH THE STATIONING SHOWN ON THE SCHEDULE OF ANODE SPACING. COST SHALL BE INCLUDED IN THE UNIT PRICE BID PER LINEAR FOOT OF DUCTILE IRON PIPE. NO ADDITIONAL PAYMENT WILL BE MADE.

| | SCHEDULE OF ANODE SPACING | | | | | | |
|----|---------------------------|--|-------------------|---|------------|--------------------|--|
| CE | STEEL PIPE | | STEEL PIPE | | | STEEL PIPE | |
| | (4) 50 LB. ANODES | | (6) 50 LB. ANODES | | (10) 5 | (10) 50 LB. ANODES | |
| | STA + | | STA | + | STA | + | |
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BY DATE

REVISION

CITY OF TULSA, OKLAHOMA ENGINEERING SERVICES DEPARTMENT

CATHODIC PROTECTION

DATE: MARCH 2022 STD. 330