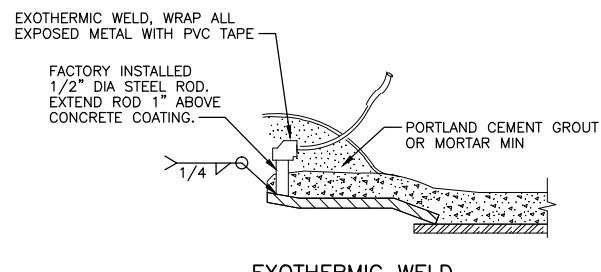


NOTES:

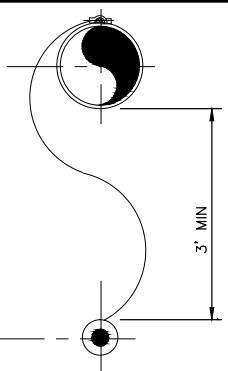
1. APPLY WELD CAP DIRECTLY TO PIPE, NOT TO PIPE WRAP. USE PRIMER AS REQUIRED BY THE MANUFACTURER.
2. COMPLETELY ENCLOSE WIRE WITHIN WELD CAP.
3. REPAIR ANY DAMAGED COATING NOT COVERED BY WELD CAP.

EXOTHERMIC WELD DI & STEEL PIPE



FOR PIPING RUNS GREATER THAN OR EQUAL TO 100 FEET

| PIPE DIAMETER | NUMBER OF ANODES |
|------------------------------|----------------------|
| LESS THAN OR EQUAL TO 16" | 1 PER 100 FT (2 MIN) |
| 18" TO 30" | 2 PER 100 FT |
| GREATER THAN OR EQUAL TO 32" | 4 PER 100 FT |



NOTES:

1. RUNS OF PIPE SHALL HAVE AN ANODE INSTALLED AT EACH END.
2. ANODES TO BE SPACED A MIN OF 5 FT APART.
3. ANODES ALONG A RUN OF PIPE SHALL BE EVENLY DISTRIBUTED AND LOCATED ADJACENT TO A PIPE JOINT.

FOR PIPING RUNS LESS THAN 100 FEET INSTALL ANODE AT EACH END OF RUN

| PIPE DIAMETER | NUMBER OF ANODES |
|------------------------------|-------------------|
| LESS THAN OR EQUAL TO 16" | 2 (1 AT EACH END) |
| GREATER THAN OR EQUAL TO 18" | 4 (2 AT EACH END) |

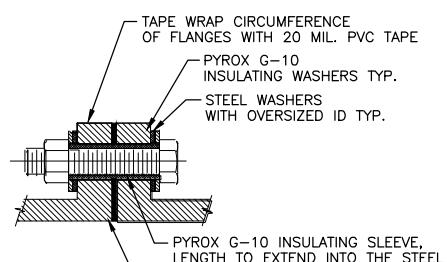
ANODE SCHEDULE

NOTES:

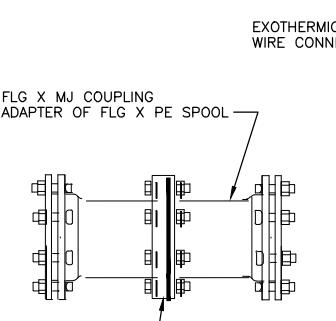
1. LOCATE ANODES A MAX OF 3 FEET HORIZONTALLY FROM CENTERLINE OF PIPE.
2. PLACE GALVANIC ANODE IN CLEAN NATIVE BACKFILL AND COMPACT TO 12" ABOVE ANODE.
3. ANODES MAY BE PLACED UPRIGHT OR HORIZONTALLY, HORIZONTAL ORIENTATION SHOWN.
4. ANODE WIRE SHALL BE EXOTHERMIC WELDED DIRECTLY TO PIPE OR INCORPORATED INTO THE JOINT BOND WITH A SPLIT-BOLT CONNECTION.

GALVANIC ANODE INSTALLATION

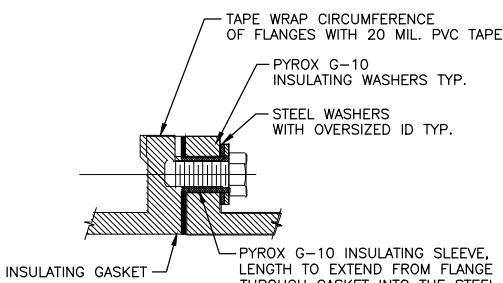
GALVANIC ANODE 1
SCALE: NTS



DIELECTRIC ISOLATION FLANGE JOINT DETAIL



DIELECTRIC ISOLATION JOINT ASSEMBLY



DIELECTRIC FLANGE JOINT TAP SCREW DETAIL

January 2026

DIELECTRIC ISOLATION FLEXIBLE COUPLING 2

SCALE: NTS

| | | | | | | |
|------|-----|-----------|-----|----------------|---|----------|
| | | DESIGNED | ACE | APPROVED | 0 | 1" |
| | | DRAWN | ACE | SCALE AS SHOWN | DATE | AUG 2012 |
| | | | | | IF THIS BAR IS NOT ONE INCH, THEN ADJUST SCALES ACCORDINGLY | |
| DATE | NO. | REVISIONS | BY | CHECKED | ACE | FILE X |

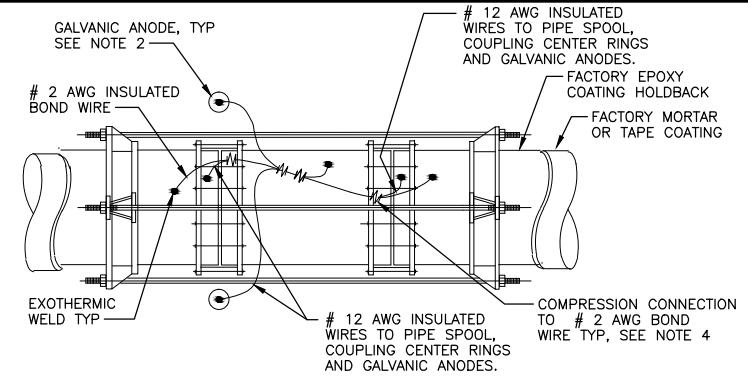
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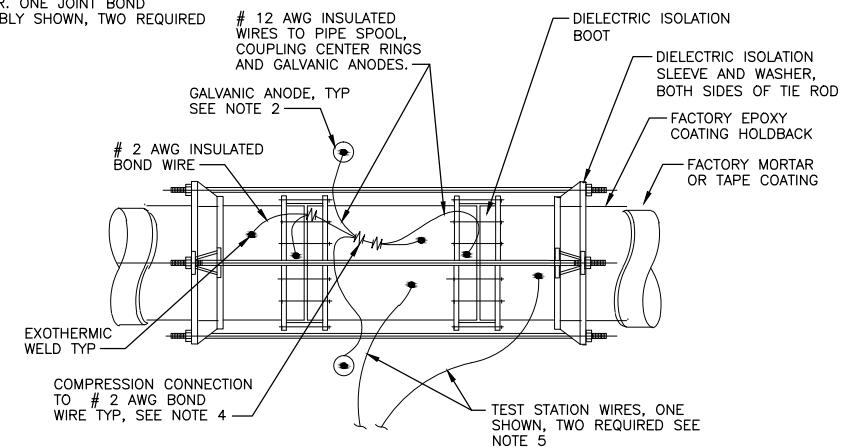
CITY OF BELLEVUE
WASHINGTON

CATHODIC PROTECTION
STANDARD DETAIL - EL - 3



NOTES:

DOUBLE FLEX COUPLING SHOWN, SINGLE FLEX COUPLING SIMILAR, ONE JOINT BOND ASSEMBLY SHOWN, TWO REQUIRED



NOTES:

DOUBLE FLEX COUPLING SHOWN, SINGLE FLEX COUPLING SIMILAR, ONE JOINT BOND ASSEMBLY SHOWN, TWO REQUIRED

ISOLATION JOINT

1. FACTORY EPOXY COAT PIPE, HOLD BACK AREA, LUGS, SPOOL AND FLEXIBLE COUPLINGS.
2. TWO ANODES SHOWN, PROVIDE FOUR ANODES TOTAL, TWO EACH JOINT BOND ASSEMBLY.
3. WAX TAPE COAT THE ENTIRETY OF THE JOINT INCLUDING THE HOLD BACK AREA, THE SPOOL, THE COUPLINGS, THE HARNESS LUGS AND TIES. WAX TAPE SYSTEM SHALL INCLUDE PETROLATUM PRIMER, PETROLATUM PROFILING MASTIC, PETROLATUM TAPE, AND STRETCH FILM OVERWRAP. PROVIDE PROFILING MASTIC TO COAT COUPLINGS AND FILL POCKETS IN HARNESS RINGS AND LUGS.
4. WRAP ELECTRICAL CONNECTIONS WITH TWO LAYERS OF SELF FUSING BUTYL RUBBER ELECTRICAL INSULATING TAPE AND TWO LAYERS OF VINYL ELECTRICAL TAPE.
5. TEST STATIONS, REFERENCE ELECTRODES AND COUPONS NOT SHOWN.

RESTRAINED FLEX COUPLING CORROSION PROTECTION 3

SCALE: NTS