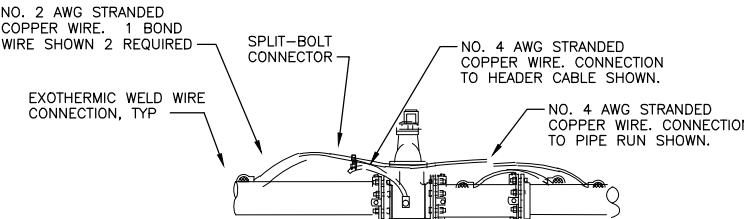


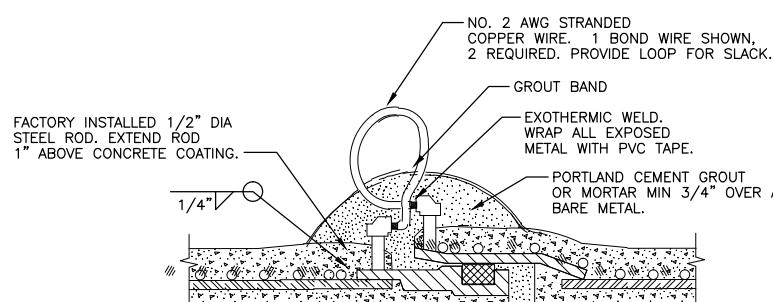
NOTE:  
MECHANICAL JOINT STYLE SHOWN, OTHER JOINTS SIMILAR.

#### JOINT BOND UNCOATED & DIELECTRIC COATED PIPE



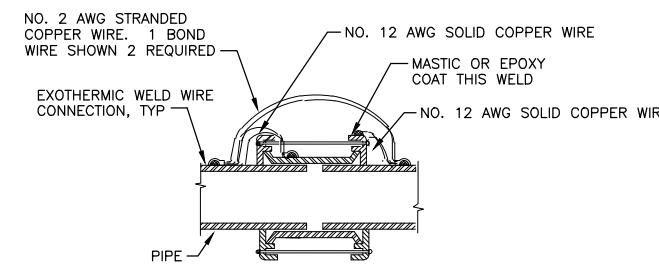
NOTES:  
1. MECHANICAL JOINT STYLE SHOWN, OTHER JOINTS SIMILAR.  
2. CONNECT FITTINGS AND VALVES TO HEADER CABLE OR PIPE RUN WITH (1) NO. 4 AWG STRANDED WIRE.  
3. DO NOT BURN SEALS OR SEALING SURFACE.

#### JOINT BOND FITTINGS & VALVES



NOTE:  
CONCRETE CYLINDER PIPE, PUSH-ON JOINT SHOWN.

#### JOINT BOND MORTAR COATED STEEL PIPE (MCSP) & CONCRETE CYLINDER PIPE (CCP)



JOINT BOND  
FLEXIBLE SLEEVE COUPLING FOR DI PIPE

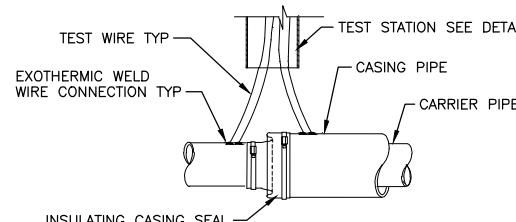
#### GENERAL NOTE:

ALL WIRE INSULATION IS USE-TYPE OR HMWPE-TYPE.

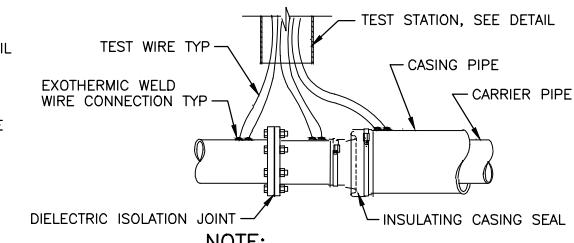
#### JOINT BONDS 1

January 2026

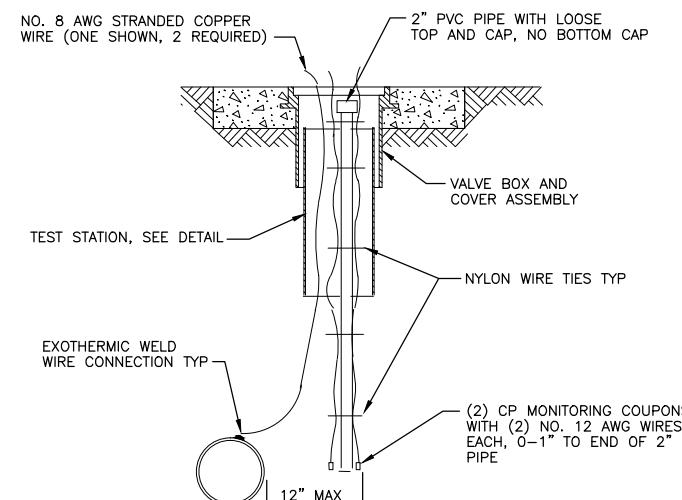
DESIGNED	ACE	APPROVED	0  1"	IF THIS BAR IS NOT ONE INCH, THEN ADJUST SCALES ACCORDINGLY	<b>ACE</b> <b>Consultants, Inc.</b> Beaverton, Oregon (503) 626-2320	CITY OF BELLEVUE WASHINGTON	CATHODIC PROTECTION STANDARD DETAIL - EL - 2
DRAWN	ACE	SCALE AS SHOWN	DATE AUG 2012	FILE X			
DATE	NO.	REVISIONS	BY	CHECKED	ACE	FILE X	SCALES ACCORDINGLY



#### CASING TEST STATION (TS/C)



#### COMBINATION TEST STATION (TS/C)



NOTES:  
1. BED COUPON IN SAME BACKFILL AS PIPE. COMPACT BACKFILL TO 1 FT. MIN. ABOVE COUPON.  
2. DO NOT BACKFILL INSIDE 2" OR 8" PVC PIPE.

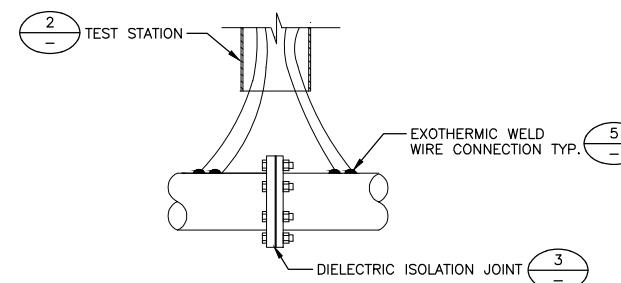
#### MONITORING TEST STATION (TS-M)

ITEM	WIRE COLOR	WIRE
NEW WATER MAIN	WHITE	8 AWG, STRANDED COPPER WIRE, USE-TYPE INSULATION
EXISTING WATER MAIN	BLACK	8 AWG, STRANDED COPPER WIRE, USE-TYPE INSULATION
CASING PIPE	ORANGE	8 AWG, STRANDED COPPER WIRE, USE-TYPE INSULATION
GALVANIC ANODES	BLUE	12 AWG, SOLID COPPER WIRE, TW OR THHN INSULATION
ZINC REFERENCE CELL	YELLOW	12 AWG, SOLID COPPER WIRE, TW OR THHN INSULATION
CP MONITORING COUPONS	PURPLE	12 AWG, STRANDED COPPER WIRE, TW OR THHN INSULATION

#### NOTES:

1. WIRE SHALL HAVE ENOUGH SLACK TO EXTEND A MIN OF 2 FT ABOVE FINISHED GRADE AFTER FINAL PAVING.
2. FOR AN ISOLATION JOINT RUN OF NEW WATER PIPE, WIRE ON THE UP STATION SIDE OF THE ISOLATION JOINT SHALL BE WHITE AND WIRE ON THE DOWN STATION SIDE OF THE ISOLATION JOINT SHALL BE BLACK.
3. COLOR CODE WIRES BY INSULATION COLOR, OR BY COLORED TAPE OR PAINT ON LAST 4 FT OF WIRE.

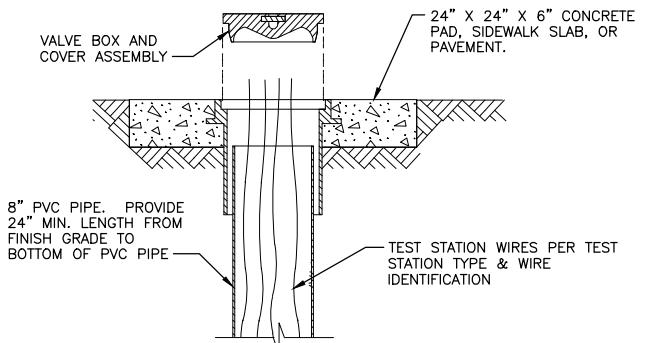
#### CORROSION CONTROL TEST WIRE IDENTIFICATION TABLE



#### NOTE:

1. ISOLATION FLANGE JOINT SHOWN, OTHER SIMILAR.

#### ISOLATION JOINT TEST STATION (TS/IJ)



#### TEST STATION INSTALLATION

TEST STATIONS 2

SCALE: NTS