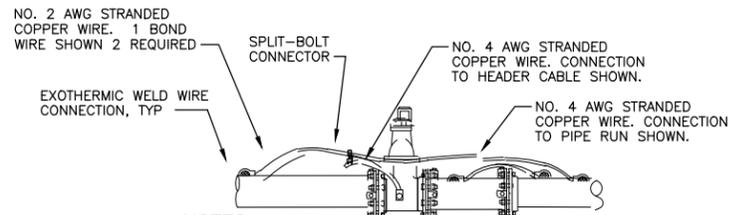


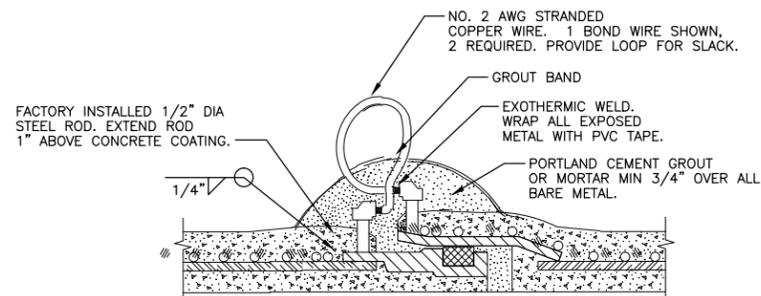
**NOTE:**  
MECHANICAL JOINT STYLE SHOWN, OTHER JOINTS SIMILAR.

**JOINT BOND  
UNCOATED & DIELECTRIC COATED PIPE**



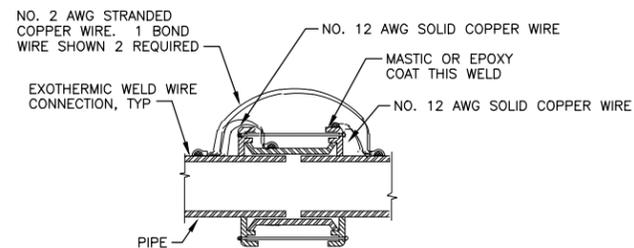
**NOTES:**  
1. MECHANICAL JOINT STYLE SHOWN, OTHER JOINTS SIMILAR.  
2. CONNECT FITTINGS AND VALVES TO HEADER CABLE OR PIPE RUN WITH (1) NO. 4 AWG STRANDED WIRE.  
3. DO NOT BURN SEALS OR SEALING SURFACE.

**JOINT BOND  
FITTINGS & VALVES**



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

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

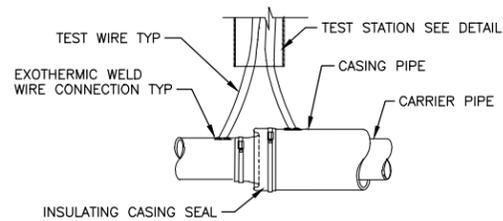


**JOINT BOND  
FLEXIBLE SLEEVE COUPLING FOR DI PIPE**

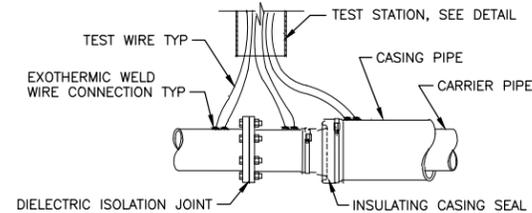
**GENERAL NOTE:**  
ALL WIRE INSULATION IS USE-TYPE OR HMWPE-TYPE.

**JOINT BONDS** (1)  
SCALE: NTS

January 2024



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



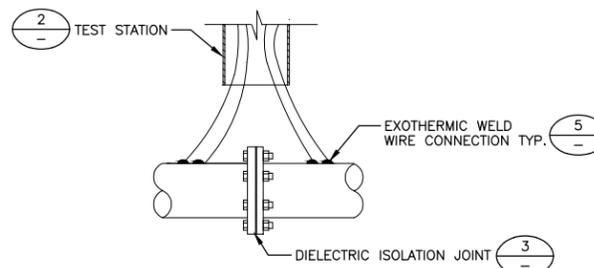
**NOTE:**  
1. ISOLATION FLANGE JOINT SHOWN, OTHERS SIMILAR.

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

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

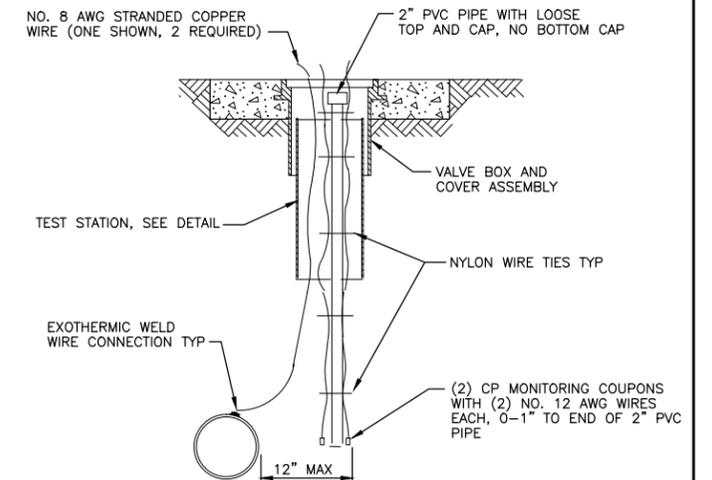
**NOTES:**  
1. WIRE SHALL HAVE ENOUGH SLACK TO EXTEND A MIN OF 2 FT ABOVE FINISHED GRADE AFTER FINAL PAVING.  
2. FOR AN ISOLATION JOINT RUN OF NEW WATER PIPE, WIRE ON THE UP STATION SIDE OF THE ISOLATION JOINT SHALL BE WHITE AND WIRE ON THE DOWN STATION SIDE OF THE ISOLATION JOINT SHALL BE BLACK.  
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**



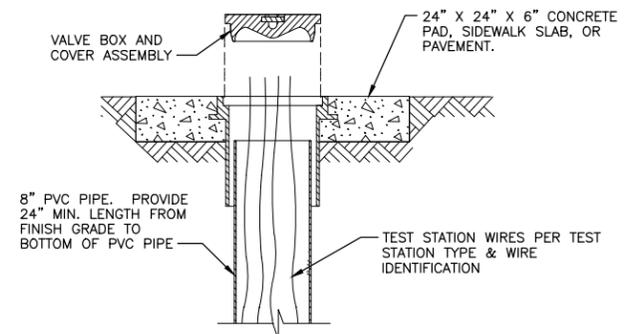
**NOTE:**  
1. ISOLATION FLANGE JOINT SHOWN, OTHER SIMILAR.

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



**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)**



**TEST STATION INSTALLATION**

**TEST STATIONS** (2)  
SCALE: NTS

DESIGNED	ACE	APPROVED	
DRAWN	ACE	SCALE	AS SHOWN
DATE		DATE	AUG 2012
NO.		FILE	X
REVISIONS			

0 1" IF THIS BAR IS NOT ONE INCH, THEN ADJUST SCALES ACCORDINGLY

**ACE**  
Consultants, Inc.  
Beaverton, Oregon (503) 626-2320

CITY OF BELLEVUE  
WASHINGTON

CATHODIC PROTECTION  
STANDARD DETAIL - EL - 2