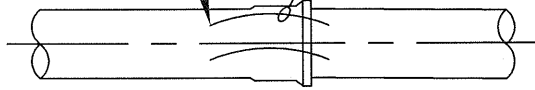


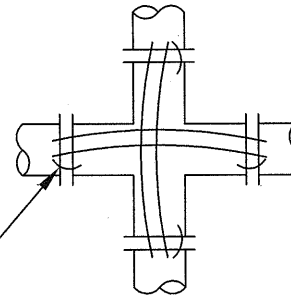
ALUMINO-THERMIC WELD PER  
CITY STD. DWG. 456 (TYP.)

AWG #4 STRANDED  
COPPER BOND WIRE  
(TYP.)

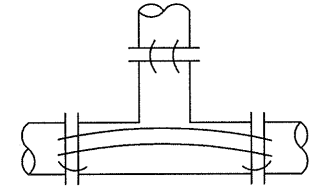


BELL AND SPIGOT PIPE JOINT

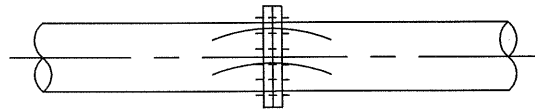
ALUMINO THERMIC WELD  
OR PIN BRAZING PER CITY  
STD. DWG. 456 (TYP.)



CROSS

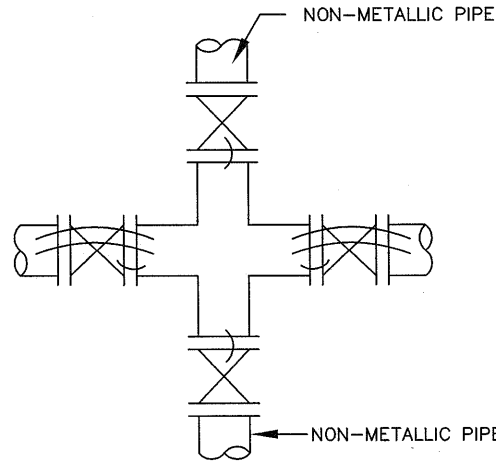


TEE



FLANGED OR MECHANICAL PIPE JOINT

NON-METALLIC PIPE

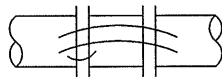


VALVE CROSSING

AWG #4 STRANDED  
COPPER BOND WIRE  
(TYP.)

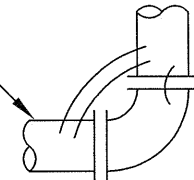


VALVE



ADAPTER AND FLEXIBLE COUPLING

METALLIC PIPE  
(TYP.)



BEND

NOTES:


1. ALL WIRE WELDS SHALL BE MINIMUM 6 INCHES APART.
2. BOND WIRES SHALL NOT BE INSTALLED ACROSS INSULATING JOINTS.
3. COAT WELD WIRE, CAD-WELD AND EXPOSED PIPE SURFACE WITH APPROVED "ELASTOMERIC COMPOUND" OR "MASTIC FILLED DOME". USE MANUFACTURER'S SPECIFIC PRIMER MATERIAL.
4. THREE BOND WIRES ARE REQUIRED FOR PIPE DIAMETERS 18 INCHES OR LARGER.

**BONDING FOR PIPE JOINTS AND FITTINGS**

| REVISION |          |      | APPROVED                |          |
|----------|----------|------|-------------------------|----------|
| NO.      | APPROVED | DATE | DATE                    | DATE     |
|          |          |      | <i>Nelson D. Nelson</i> | 11-26-12 |
|          |          |      | <i>Tom Koper</i>        | 11-20-12 |

NELSON D. NELSON, PE,  
CITY ENGINEER

TOM KOPER, PE, DISTRICT ENGINEER,  
DEPARTMENT OF WATER AND POWER



**CITY OF CORONA**

STD 457

SHEET 1 OF 1