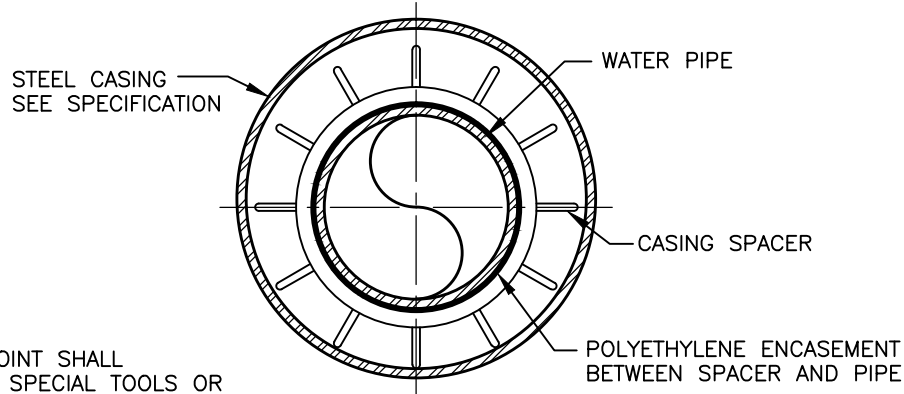
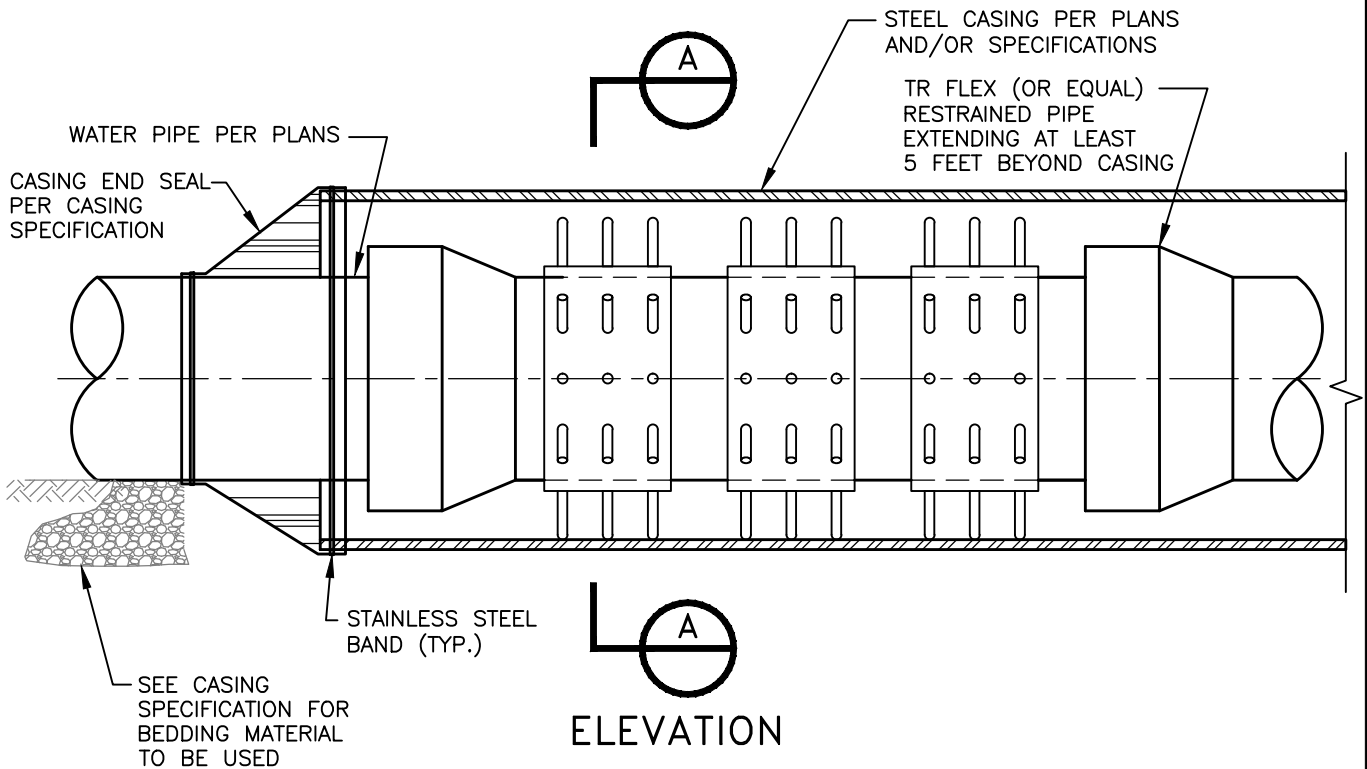


NOTES:

1. THIS STANDARD APPLICABLE FOR 4" DIA. AND LARGER PIPE.
2. SEE SPECIFICATION SECTION 2220 FOR ADDITIONAL INFORMATION.



NOTES:

1. RESTRAINT JOINT SHALL REQUIRE NO SPECIAL TOOLS OR SHIMS TO REMOVE PIPE FROM CASING IN THE FUTURE (NO FIELD LOK GASKETS ALLOWED).
2. STEEL CASING SHALL BE 6" LARGER THAN PIPE BELL O.D.

SECTION A-A

REVISIONS

**MISSOURI AMERICAN WATER STANDARD
CIVIL
CASING INSTALLATION
DETAIL**

MISSOURI AMERICAN WATER
ST. LOUIS, MO. 63141

MISSOURI AMERICAN WATER ENGINEERING
727 CRAIG ROAD
ST. LOUIS, MO. 63141

DRAWN BY KKM
PROJECT ENG'R
APPROVED

DATE 11-13-08
PROJECT IP

AMERICAN WATER
USE DIMENSIONS ONLY
SCALE N.T.S.

USE APPROVED DRAWINGS ONLY
FOR CONSTRUCTION PURPOSES

0201-0601-SD45