

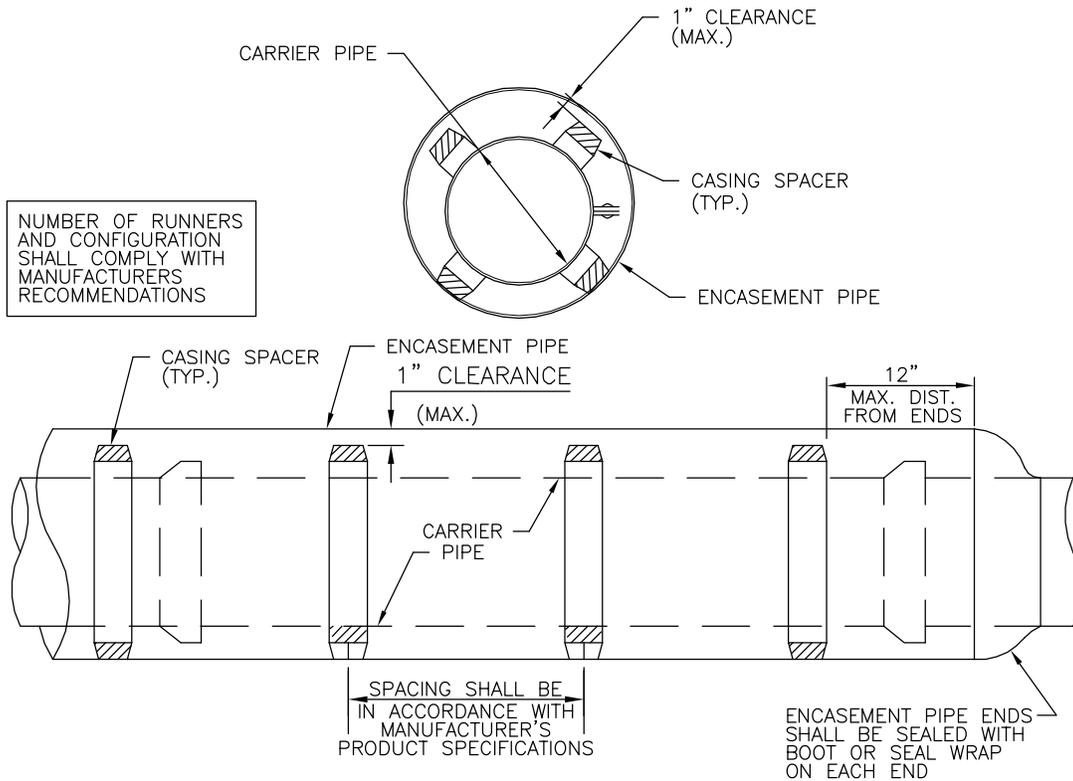
NOTES:

1. CASING SPACERS:

- A. ALL CARRIER PIPE INSTALLED IN CASING INSTALLED BY JACKING, BORING OR TUNNELING SHALL BE SUPPORTED BY BOLT ON STYLE OR PROJECTION TYPE CASING SPACERS AS SHOWN IN THE PLANS AND DETAILS.
  - 1) BOLT ON STYLE CASING SPACERS SHALL HAVE A FUSION BONDED EPOXY CARBON STEEL BODY, ADVANCE PRODUCTS MODEL SI OR APPROVED EQUAL, NEOPRENE OR PVC LINER, STEEL SUPPORTS AND UHMW POLYETHYLENE RUNNERS.
  - 2) PROJECTION TYPE CASING SPACERS SHALL BE TOTALLY NON-METALLIC SPACERS CONSTRUCTED OF PREFORMED SECTIONS OF HIGH DENSITY POLYETHYLENE. PROJECTION TYPE SPACERS SHALL BE "RACI" TYPE SPACERS OR APPROVED EQUAL.
- B. CASING SPACERS SHALL BE SIZED TO SECURELY FASTEN ON TO THE CARRIER PIPE BARREL O.D. AND SHALL BE FURNISHED WITH A MINIMUM RUNNER HEIGHT TO PREVENT THE PIPE FROM RESTING OR SLIDING ON ITS JOINT DURING AND AFTER INSTALLATION.
  - 1) POSITIONING OF SPACERS SHOULD ENSURE THAT THE CARRIER PIPE IS ADEQUATELY SUPPORTED THROUGHOUT ITS LENGTH.
  - 2) SPACERS AT EACH END SHALL NOT BE FURTHER THAN 12" FROM THE END OF THE CASING REGARDLESS OF THE SIZE OF CARRIER PIPE OR TYPE OF SPACER USED.
- C. FOR PIPE WITH MECHANICAL JOINTS, FLANGES OR BELL AND SPIGOT JOINTS, CASING SPACERS SHALL BE INSTALLED WITHIN ONE FOOT ON EACH SIDE OF THE BELL OR FLANGE AND ONE IN THE CENTER OF THE JOINT WHEN 18 TO 20 FOOT LONG JOINTS ARE USED. MAXIMUM SPACING FOR CASING SPACERS IS 10 FEET OR AS SHOWN IN THE PLANS AND DETAILS.

2. END SEALS:

- A. END SEALS SHALL BE SIZED TO SECURELY ATTACH TO THE EXTERIOR OF CASING AND CARRIER PIPE TO PREVENT WATER, DIRT AND DEBRIS FROM ENTERING THE ANNULAR SPACE BETWEEN THE INSTALLED PIPE.
- B. SYNTHETIC RUBBER END SEALS, ADVANCED PRODUCTS MODEL AW OR APPROVED EQUAL, MINIMUM 1/8" THICK.
- C. BANDING STRAPS TO SECURE END SEALS SHALL BE T-304 STAINLESS STEEL WITH NON-MAGNETIC WORM GEAR SECURING MECHANISM.



DETAIL DEPICTS DIMENSIONAL REQUIREMENTS. THE ARCHITECT/ENGINEER ASSUMES RESPONSIBILITY FOR THE APPROPRIATE USE OF THIS STANDARDS.



ENCASEMENT DETAIL  
w/CASING SPACERS

STANDARD CONSTRUCTION DETAILS  
WASTEWATER

DATE:  
MARCH 2007

SCALE:  
NTS

SHEET:  
SD-SS08