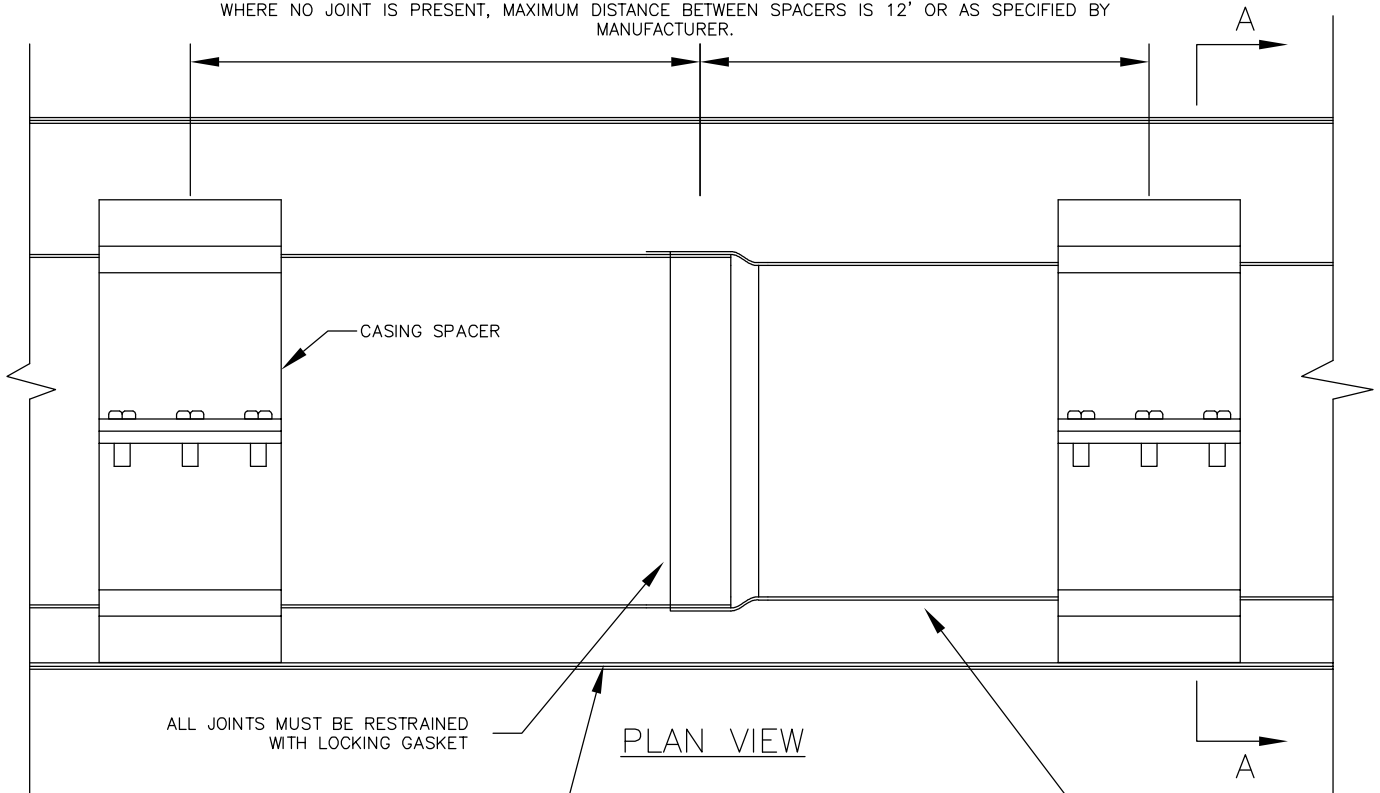
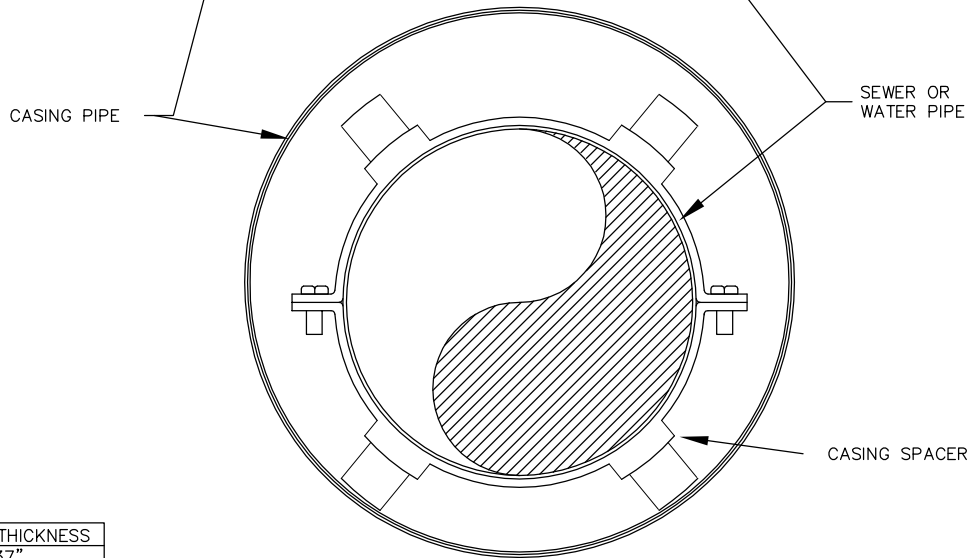


CASING SPACER REQUIRED WITHIN 1' EITHER SIDE OF JOINT OR AS SPECIFIED BY MANUFACTURER.  
 WHERE NO JOINT IS PRESENT, MAXIMUM DISTANCE BETWEEN SPACERS IS 12' OR AS SPECIFIED BY  
 MANUFACTURER.



PLAN VIEW



SECTION A-A

CASING PIPE DIAMETER	MIN. WALL THICKNESS
4"	0.237"
6" - 24"	0.250"
26" - 30"	0.312"

NOTES:

1. CASING SPACERS SHALL BE "ADVANCE PRODUCT AND SYSTEMS" HIGH-DENSITY POLYETHYLENE OR APPROVED EQUAL.
2. ENDS OF CASING PIPE SHALL BE PERMANENTLY SEALED AGAINST THE ENTRY OF FOREIGN MATERIAL.

SCALE: NTS	DATE: 1/5/99	CITY AND BOROUGH OF JUNEAU, ALASKA	
DRAWN BY: TAD	CHECKED BY: STAFF	BORED ENCASEMENT	
APPROVED BY: <i>[Signature]</i>	REVISED: 8/14/2011	STANDARD 413	