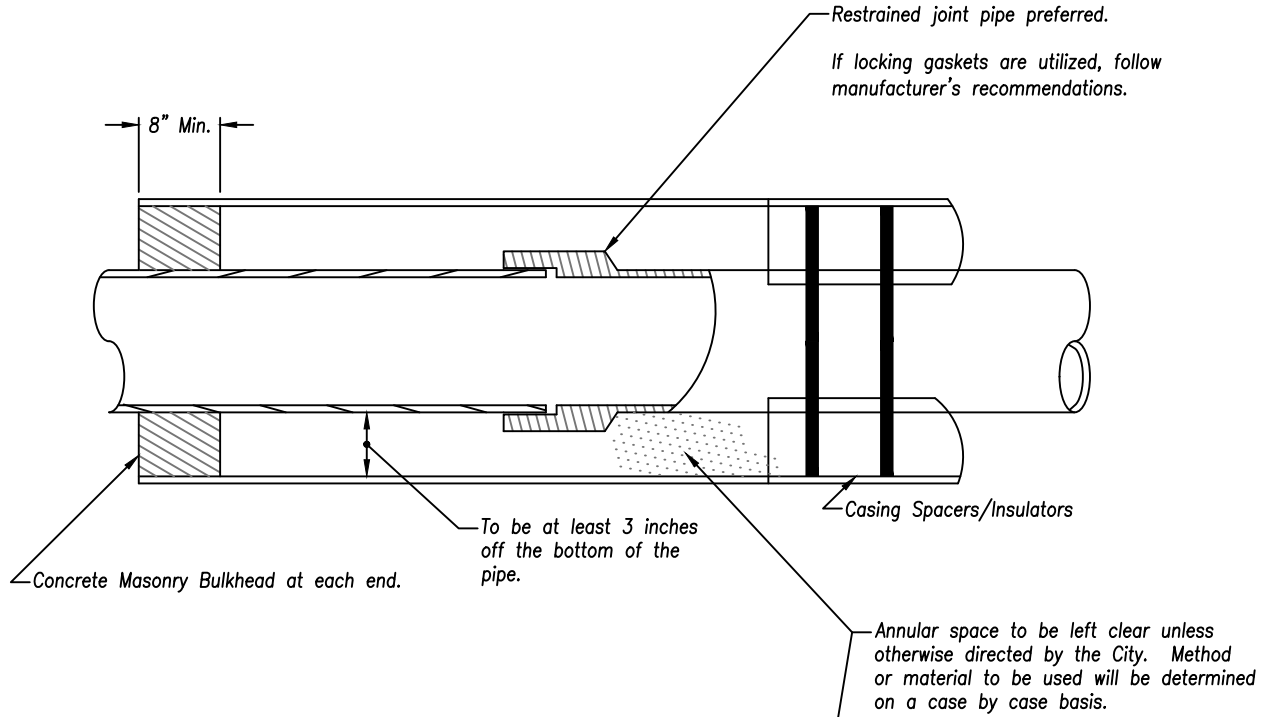


Casing Pipes

DATE: 05/04/2020

SCALE: NONE

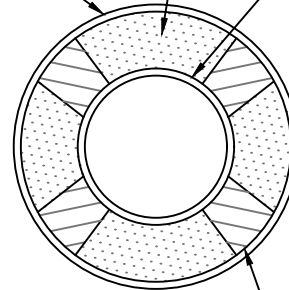
FILE: 2020-019.DWG



The I.D. of the steel casing pipe shall be at least 6 inches larger than the largest O.D. of any joint appendage (including restrained mechanical joints for ductile iron pipe).

Unless otherwise specified or shown on the drawings, wall thickness shall comply with the chart shown on this page.

Carrier Pipe



Manufactured polyethylene or stainless steel casing spacers/insulators placed at the carrier pipe manufacturer's recommended spacing.

Required Casing Pipe Sizes and Wall Thicknesses for Railroad Crossings*

Nominal Diameter (inches)	Actual O.D. (inches)	When Coated Or Cathodically Protected (inches)	When Not Coated Or Cathodically Protected (inches)
8"	8 3/8"	.312	.312
10"	10 3/4"	.312	.312
12"	12 3/4"	.312	.312
14"	14"	.312	.312
16"	16"	.312	.312
18"	18"	.312	.312
20" & 22"	20" & 22"	.312	.344
24"	24"	.312	.375

*Based on E80 loadings with a minimum cover of 4'-6".

Steel casing pipe shall have a steel yield strength of 35,000 PSI and meet ASTM A139 Grade B requirements.

No hydrotest required.

Chart based on recommendations of the American Railway Engineering Association.