



MINIMUM SIZE AND THICKNESS STANDARDS FOR CASING PIPE

NOMINAL CARRIER PIPE (INCHES)	DOT CASING DIAMETER (INCHES)	DOT CASING MIN. THICKNESS (INCHES)	RAILROAD CASING DIAMETER (INCHES)	RAILROAD MIN. THICKNESS (INCHES)
2	8	0.250	N/A	N/A
3	8	0.250	N/A	N/A
4	8	0.250	N/A	N/A
6	12.75	0.250	16	0.281
8	16	0.250	18	0.312
10	18	0.250	20	0.344
12	20	0.250	24	0.406
14	20	0.250	30	0.469
16	24	0.250	30	0.469
18	24	0.375	36	0.562
20	36	0.375	36	0.562
22	36	0.375	36	0.562
24	36	0.375	36	0.562
26	42	0.500	48	0.750
30	42	0.500	48	0.750
32	42	0.500	48	0.750

NO. DESCRIPTION:

1. HDPE WATER MAIN CARRIER PIPE.
2. STEEL CASING PIPE, MINIMUM 35,000 PSI MINIMUM YIELD STRENGTH STEEL. SEE TABLE FOR THICKNESS.
3. PLUG ENDS OF CASING WITH GROUT (8" MINIMUM WIDTH).
4. EDGE OF PAVEMENT OR BACK OF CURB.
5. TRACER WIRE - CONTINUOUS AWG #12 GAUGE SOLID COPPER TRACER WIRE WITH 30 MILS THICK COLOR-CODED HDPE INSULATION AT THE TOP OF CASING PIPE. ADD 3/4" ELECTRICAL CONDUIT SO TRACER WIRE IS NOT IN CONTACT WITH THE CARRIER PIPE.

NOTES:

- A. CASING SPACERS ARE NOT ALLOWED FOR USE ON HDPE PIPE IN STEEL CASING.
- B. SKIDS ARE ALLOWED FOR LONG INSTALLATIONS WITH APPROVAL OF THE SEALING ENGINEER.
- C. ALLOWABLE TENSILE LOAD FOR PIPE MAY NOT BE EXCEEDED WHEN PULLING CARRIER PIPE THROUGH CASING.
- D. 1:1 SLOPE LINE REQUIREMENT.