

**SPECIFICATIONS - DETAILED PROVISIONS**  
**Section 15333 - Cast Iron & Ductile Iron Sewer Pipe**

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**SECTION 15333**  
**CAST IRON & DUCTILE IRON SEWER PIPE**

**PART 1 - REQUIREMENT**

1.01 CAST IRON SEWER PIPE AND FITTINGS

Cast iron sewer pipe and fittings shall conform to the latest revision of AWWA Spec. C-106, -108, or -151, with bituminous inside and outside coatings. Joints shall be mechanical or push-on joints conforming to the latest revision of AWWA Spec. C-111 or EMWD standard drawings.

Cast iron pipe shall be of the following thickness classes for the indicated pipe size and depth:

<b>Pipe Diameter (in inches)</b>	<b>Depth of Cover (in feet)</b>	<b>ANSI Thickness Class</b>
4"	16' and less	22
6"	16' and less	22
8"	less than 12'	22
	12' to less than 16'	23
	16'	24
10"	less than 12'	22
	12' - 16'	24
12"	less than 8'	22
	8' to less than 12'	23
	12' to less than 16'	24
	16'	25
Over 12"	Refer ANSI A21.1-1967, (AWWA C101-67), Table 1-1	

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1.02 DUCTILE IRON PIPE

Ductile iron pipe of the following thickness classes for the indicated pipe size and depth may be used in lieu of cast iron pipe.

<b>Pipe Diameter (in inches)</b>	<b>Depth of Cover (in feet)</b>	<b>ANSI Thickness Class</b>	<b>USA Standard Thickness Class</b>
4"	32' and less	51	1
6"	32' and less	50	Use CL. 1
8"	less than 28'	50	Use CL. 1
	28' - 32'	51	1
10"	less than 20'	50	Use CL. 1
	20' to less than 28'	51	1
	28' - 32'	52	2
12"	less than 20'	50	Use CL. 1
	20' to less than 24'	51	1
	24' to less than 32'	52	2
	32'	53	3
Over 12"	Refer ANSI A21.51-1976, (AWWA C151-76). Table 51.1		

**END OF SECTION 15333**