

## Pipe Material Summary Chart (1)

September 1, 2016

(Numbers in Parentheses Indicate Footnote Number)

Material	Sizes	Standards	Typical Applications	Dimension Ratio	OD Class	Pressure Rating	Color	Notes
<b>HDPE (PE4710 resin)</b>	1"	AWWA C901*	Water Services	9	CTS	200	Blue	Water only
	1.5"	AWWA C901*	Sewer FM Services (2)	9	CTS	200	Green	Sewer only
	2"	AWWA C901*	Water Services, Sewer FM Services, FM via HDD	9	CTS	200	(3)	
	3"	AWWA C901	Water Services, Sewer FM Services, FM via HDD	11	IPS	200	(3)	
	4" +	AWWA C906	WMs, Sewer FMs via HDD	11	DIPS	200	(3)* or (4)	
<b>PVC &amp; fPVC(9)</b>	2" and 3"	ASTM D2241*	Low pressure FMs (6)	21	IPS	200	Green	Sewer only
	4" +	ASTM D3034*	Gravity Sewer Laterals and Mains	26	N/A	N/A	Green	Sewer only
	4" to 12"	AWWA C900*	FMs, WMs	25/18 (7)	DIPS	165/200 (7)	(3)	DR25 for all Water Mains
	14" +	AWWA C905*	FMs, WMs	25/18 (7)	DIPS	165/200 (7)	(3)	DR25 for all Water Mains
<b>Ductile Iron</b>	3" - 12"	AWWA C151	FMs, WMs, Gravity Sewer (8)	NA	DIPS	350	(5) and (3)	
	14" - 20"	AWWA C151	FMs, WMs, Gravity Sewer (8)	NA	DIPS	250	(5) and (3)	
	24" - 64"	AWWA C151	FMs, WMs, Gravity Sewer (8)	NA	DIPS	200	(5) and (3)	

### Footnotes:

1-See applicable specifications for all applicable pipe info (i.e. markings, etc)	FMs = sewer force mains; WMs = water mains
2-Sewer FM service for grinder pumps up to 25 gpm shall be 1.5"	N/A = Not Applicable
3-Blue for water services/pipe, green for sewer services/pipe	* = Standard application
4-Black pipe with factory applied striping per ECUA specifications	
5-Asphaltic coated pipe with field applied striping per ECUA specifications	
6-Low pressure force mains intended for use with grinder pump systems	
7-DR25 when FM connects to manhole; DR 18 when connects to manifold FM	
8-Interior lined per ECUA specifications in FM and gravity applications	
9-fPVC for trenchless applications only	