

ECUA Pipe Material Summary Chart (1)

Dec. 18, 2014

(Numbers in Parentheses Indicate Footnote Number)

Material	Sizes	Standards	Typical Applications	Dimension Ratio	OD Class	Pressure Rating	Color	Notes
HDPE (PE4710 resin)	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)	
PVC	2" and 3"	ASTM D2241*	Low pressure FMs (6)	21	IPS	200	Green	Sewer only
	4" +	ASTM D3034*	Gravity Sewer Laterals and Mains	26	NA	NA	Green	Sewer only
	4" to 12"	AWWA C900*	FMs, WMs	25/18 (7)	DIPS	165/200 (7)	(3)	
	14" +	AWWA C905*	FMs, WMs	25/18 (7)	DIPS	165/200 (7)	(3)	
Ductile Iron	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)	
2-Sewer FM service for grinder pumps up to 25 gpm shall be 1.5"	
3-Blue for water services/pipe, green for sewer services/pipe	
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	FMs = sewer force mains; WMs = water mains
7-DR25 when FM connects to manhole; DR 18 when connects to manifold FM	NA = Not Applicable
8-Interior lined per ECUA specifications in FM and gravity applications	* = Standard application