

SECTION 718 SEWER AND WATERLINE MATERIAL

718.1-IRON PIPE:

Ductile iron pipe for waterline applications shall conform to AWWA C151.

718.1.1: Cement lining shall conform to AWWA C104.

718.1.2: Fittings shall conform to AWWA C110 or C153.

718.1.3: Joints shall conform to AWWA C111. Flanged joints shall conform to C115.

718.5-PLASTIC PIPE (PVC):

For pressure applications pipe shall conform to AWWA C900 and CS-256 for sizes from 4 in. (100 mm) to 12 in. (300 mm), for pipes less than 4 in. (100 mm) ASTM 2241 and D1784 shall apply, for pipes from 14 in. (350 mm) to 16 in. (400 mm) AWWA C905 shall apply.

For non-pressure application pipe shall conform to ANSI B72.2, ASTM D3033 OR D3034.

Joints for sewerline shall conform to ASTM D3212. Joints for waterline shall conform to ASTM D3139.

718.7-PLASTIC PIPE (POLYETHYLENE):

Plastic pipe (polyethylene) shall conform to ASTM D2239 "PE3408". Additionally used for potable water, polyethylene pipe shall conform CS-255 and for pipes ½ in. (12.5 mm) to 3 in. (75 mm) AWWA 901 shall apply and shall be approved by the National Sanitation Foundation for use in transmitting liquids for human consumption.

718.9 - COPPER SERVICE LINE:

Copper Service Line shall conform to ASTM B88. Fitting shall be industrial quality and conform to AWWA C800.

718.10 – GATE VALVES:

Gate valves less than 3 in (75 mm) shall conform to Federal Specification WW-V-58B.

Gate valves greater than 3 in (75 mm), shall conform to AWWA C500 or C509.

718.11 – VALVE BOXES:

Valve Boxes shall be as specified on the plans.

718.12 - CASING- PIPE (STEEL):

Casing Pipe (Steel) shall conform to the following: "ASTM A53, Grade B, ASTM A139, Grade B or ASTM A252, Graded 2 for both waterline and sewer

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line applications. Hydrostatic test requirements under ASTM A53 or ASTM A139 are waived.”

718.13 – FIRE HYDRANTS:

Fire Hydrants shall conform to AWWA C502. See plans for specific details.

718.14 – METERS:

Meters shall conform to AWWA C700, type as required by the plans.

718.15 – MISCELLANEOUS STEEL (CLAMPS, RODS, ETC.):

Steel for miscellaneous rods, straps and clamps as required shall conform to the requirements of ASTM A 36 except that the maximum and minimum tensile strength requirements and chemical shall be waived.

718.20 – FINE AGGREGATE:

Fine Aggregate shall be crushed or uncrushed mineral aggregate with 100% passing the 3/8 in (9.5 mm) sieve.

718.21 – BEDDING MATERIAL:

Bedding Material shall conform to 703 and meet gradation for #67's.