

Table 3.4 – MATERIALS FOR POTABLE WATER (1) (2) (3) (6) (7)		HOT WATER DISTRIBUTION		
		COLD WATER DISTRIBUTION		
		WATER SERVICE PIPING		
1	ABS Plastic Pipe, SDR (ASTM D2282)	A	X	X
2	ABS Plastic Pipe, Schedule 40 or 80 (ASTM D1527)	A	X	X
3	Brass Pipe (ASTM B43)	A	A	A
4	Copper Pipe (ASTM B42)	A	A	A
5	Copper Water Tube, Type K or L (ASTM B88)	A	A	A
6	Copper Water Tube, Type M (ASTM B88)	A	A	A
7	CPVC Plastic Pipe, Schedule 40, 80 (ASTM F441)	A	A	A
8	CPVC Plastic Pipe, SDR (ASTM F442)	A	A	A
9	CPVC Plastic Water Distribution Systems (ASTM D2846)	A	A	A
10	Ductile Iron Pipe, Cement-lined (ASTM A377, ANSI/AWWA C151/A21.51)	A	X	X
11	Fiberglass Pressure Pipe (AWWA C950)	A	X	X
12	Galvanized Steel Pipe (ASTM A53)	A	A	A
13	High-Density Polyethylene (HDPE) Plastic Pipe, SDR-11 (ASTM F714)	A	X	X
14	Reserved			
15	PE Plastic Pipe, Schedule 40, 80 (ASTM D2447, rated 160 psi minimum at 73 deg F)	A	X	X
16	PE Plastic Pipe, SDR (ASTM D3035)	A	X	X
17	PE Plastic Pipe, SDR (ASTM D2239, rated 160 psi minimum at 73 deg F)	A	X	X
18	PE Plastic Tube (ASTM D2737)	A	X	X
19	PE Plastic Pressure Pipe and Tubing (AWWA C901, rated 160 psi minimum at 73 deg F)	A	X	X
20	PE-AL-PE Composite Pressure Pipe (ASTM F1282, CSA B137.9 pipe with ASTM F1974 metal insert fittings)	A	A	A
21	PEX-AL-PEX Composite Pressure Pipe (ASTM F1281, CSA B137.10 pipe with ASTM F1974 metal insert fittings)	A	A	A
22	Pressure-Rated Composite Pipe and Fittings for Elevated Temperature Service: (ASTM F1335)	X	A	A
23	Crosslinked Polyethylene (PEX) Tubing (ASTM F876)	A	A	A
24	ASTM F877 PEX Plastic Water Distribution Systems (ASTM F876 tubing with ASTM F1960 cold expansion fittings or ASTM F1807 metal insert fittings with ASTM F2098 clamps)	A	A	A
25	Crosslinked Polyethylene/Aluminum/Polyethylene (PEX-AL-PEX) Tubing, OD Controlled, SDR 9 (ASTM F2262)	A	A	A
26	PVC Plastic Pressure Pipe, (AWWA C900)	A	X	X
27	PVC Plastic Pipe, Schedule 40,80,120 (ASTM D1785)	A	X	X
28	PVC Plastic Pipe, SDR (ASTM D2241)	A	X	X
	Approved	A	A	A
	Not Approved	X	X	X

NOTES FOR TABLE 3.4

- (1) Piping for potable water shall be water pressure rated for not less than 160 psi at 73°F.
- (2) Piping for hot and cold water distribution shall be water pressure rated for not less than 100 psi at 180°F and 160 psi at 73°F.
- (3) Plastic piping materials shall comply with NSF 14.
- (4) Minimum SDR-11 for trenchless water service replacement systems.
- (5) Permitted for trenchless replacement of underground portions of piping within buildings.
- (6) See Table 3.4.2 for plastic water service piping.
- (7) See Table 3.4.3 for plastic hot and cold water distribution piping.