

BCRWA has no restrictions on what size or type of line a customer uses. If you're not sure what size to use we can help. Below is a chart to help determine the size you may need.

- First you should decide what your water needs are
- Next how long is your service line going to run
- Finally how much pressure is supplied to your service

**Pressure Loss per 100 foot of line**

SIZE LINE	FLOW 5 GPM	FLOW 10 GPM	FLOW 15 GPM	FLOW 20 GPM
3/4" CTS .075 ID	5.2	18.8	39.9	68.0
3/4" IPS .849 ID	2.1	7.6	16.2	27.5
1" CTS .909 ID	1.5	5.5	11.6	19.7
1" IPS 1.061 ID	0.7	2.6	5.5	9.3
1 1/2" CTS 1.311 ID	0.3	0.9	2.0	3.3
1 1/2" IPS 1.533 ID	0.1	0.4	0.9	1.6
2" CTS 1.716 ID	0.1	0.2	0.5	0.9
2" IPS 1.916 ID	0.0	0.1	0.3	0.5

\*Due to the significant amount of pressure loss we do not recommend using 3/4" or less in any underground service line application.

**Example:**

The supply pressure is 75 psi

Flow is 10 GPM in your home (5.5 psi loss per 100 foot of line)

The service line is 1" CTS 250' in length (5.5x2.5) 13.75 psi loss

75 psi - 13.75 psi = 61.25 psi water pressure is supplied to your home