SERVICE CONNECTIONS

Service Connections assemblies shall conform to Riverside Highland Water Company Standards herein. Service Laterals shall be sized to limit water flow to a maximum velocity to 5 feet per second with a minimum of ¾" pipe size.

Water Meters and Service Connections shall be sized in accordance with AWWA Standards C-700 and C-701 and the following table:

Meter Size	Max Operational Flow	Meter Size	Max Operational Flow
3/4"	30 GPM	4"	600 GPM
1"	50 GPM	6"	1,000 GPM
1 1/2"	100 GPM	8"	1,600 GPM
2"	160 GPM	10"	2,300 GPM
3"	320 GPM	12"	3,000 GPM

BACKFLOW PREVENTERS

Backflow Preventers shall be installed in accordance with California Health and Safety Code Chapter 5, Article 2 and shall be sized in accordance with AWWA Standards C-510 and 511 and the following table:

Backflow Size	Max Operational Flow	Backflow Size	Max Operational Flow
3/4"	30 GPM	4"	600 GPM
1"	50 GPM	6"	1,000 GPM
1 1/2"	100 GPM	8"	1,600 GPM
2"	160 GPM	10"	2,300 GPM
3"	320 GPM	12"	3,000 GPM

AIR AND VACUUM VALVES

Air and vacuum combination valves shall be installed in pump line, transmission and distribution lines in according to accepted practices in the water distribution field. Air and Vacuum Combination Valves shall be provided at all high points in the water main system.

Air and Vacuum Valve Assemblies shall conform to Riverside Highland Water Company Standards.