

Master Water Meter

The master meter records the total amount of water pumped from the wells to the reservoir.

The original water meter was installed in 1995, and in 2011 accuracy had deteriorated to an error reading of 23% higher than the actual water use. The meter was replaced, and the 2011 annual reporting to the State Water Resources Department was corrected.

The replacement water meter reads gallons x 100, has a sweep flow meter, and is accurate to 1%.

A check valve was installed above the meter. This has eliminated the water-hammering that was occurring when the well circuit switched off.



System Water Meter



A system water meter was installed between the pressurized line and the distribution system. This low-volume meter is rated at 25 gallons/minute. With 2 valve changes, all water used in the system is routed through this meter. By isolating various sectors and comparing flow rates, excess water use can be located by sector.

This method can be used either late at night or during the day when water use is low.

This same method can be used to isolate a specific property of high use, although limited to low volume times of the day.