

WATER SAVINGS PROGRESS REPORT DUE TO MODIFICATION OF  
SPRINKLER HEADS WITH “LITTLE VALVES” IN  
CITY HALL/LIBRARY COMPLEX,  
AGOURA HILLS, CALIFORNIA

In late August and finishing on September 1, 2008, all the spray heads in the City Hall/Library complex were changed out with LittleValve parts. The vast majority of the sprinklers were 6” Rain Birds – Model No. 1806. They were changed out with Valvette System’s 6” replacement stems for Rain Bird – Model No. POP610.

There are 40 valves in this system operated by a Cal-Sense controller. Approximately 7 of the valves had rotors and 5 of the spray valves had less than 10 sprinklers. The remaining 28 valves all had in excess of 15 spray heads on each valve. Many of the valves had in excess of 20 heads on each.

1½ of the rotor valves were also equipped with LittleValve Riser Extenders – Model No. RX575 - placed below the rotors. This can only be done where the rotor is located above grade.

The watering times were increased by the new gardening service in August because of the condition of the plants. Each valve is set to water 3 days weekly. The adjusted usage for the complex in August was **261,369 gallons**. The change-out was finished on September 1st. The adjusted water usage for the month of September was **172,344 gallons**. The September amount is 66% of the usage in August. This represents water savings of **34%** month to month.

It should also be noted that a major reduction in water running onto the driveways and streets adjacent to the complex can easily be seen. Further, all misting and fogging was eliminated entirely.

**October 31, 2008** ---- The hottest October in Southern California since 1965.

The water used from October 1 to October 31 was **99,153 gallons**. This usage in October represents a savings of **62.1%** of the water used in August, the last month before changing-out to LittleValve parts.

The water usage for October of 2007 was 274,890 gallons. 2008’s usage of 99,153 gallons represents year-over-year water savings of **63.9%**.

This Report was prepared and reviewed with the concurrence and approval of Mr. Gonzalez.