

Retrofit of 96 Sprinklers in 10 Zones With
In-Stem Flow Regulators (IFRs) and High-Efficiency Nozzles

RESIDENCE AT: 19772 Anadale Drive, Tarzana, CA 91356

'Before & After' Water Usage/Time Studies For 9 of 10 Zones Retrofitted

<u>Valve No.</u>	<u>Shrubs or Turf</u>	<u>Number Of Sprinklers</u>	<u>Number Of IFRs used</u>	<u>H/E Nozzles Used</u>	<u>Savings</u>
1	T	7	5 TUF6; 2 TUF4	7 PRNs	51.8%
2	T	9	6 TUF6; 3 TUF4	9 PRNs	28.8%
3 *	S	17	1 TUF6; 4 POP420 12 CP050	8 PRNs; 9 PSNs	71.0%
4	S	4	4 CP050	4 PRNs	53.2%
5 **	T	7	2 TUF6; 1 TUF4 4 CP050	7 PRNs	52.0%
6	T	12	4 TUF6; 5 TUF4 3 CP050	12 PRNs	44.5%
7	S	6	1 TUF 4; 5 CP050	4 PRNs; 2 PSNs	42.9%
8	S	10	1 POP420; 9 CP050	6 PRNs; 4 PSNs	65.7%
10 ***	S	17	1 POP420; 16 CP050	15 PRNs; 2 PSNs	<u>30.1%</u>

AVERAGE WATER SAVINGS FOR ALL 9 VALVES: 48.9%

AVERAGE WATER SAVINGS FOR 5 SHRUB AREAS: 52.6%

AVERAGE WATER SAVINGS FOR 4 TURF AREAS: 44.3%

NOTES:

* 9 of the 17 sprinklers were 'Drip' but converted to PSNs during the change-out.

** 2 of the sprinklers were combined into one during the change-out.

*** One new sprinkler was added during the change-out

Legend: TUF6 = 6" Little Tuffy Pop-up sprinkler
TUF4 = 4" Little Tuffy Pop-up sprinkler
POP420 = LittleValve 4" Toro 570 Replacement stem
CP050 = 1/2" LittleValve Coupling
PRN = Precision Rotating Nozzle by The Toro Company
PSN = Precision Spray Nozzle – 4 x 30 & 4 X 18 Side Strip models by The Toro Company