GLOSSARY

1. **GPS: GPS** stands for Global Positioning System. **GPS** is a highly accurate navigation system using signals from satellites to determine a location on the Earth's surface, irrespective of weather conditions.

2. **Theodolites:** are used mainly for **surveying** applications, and have been adapted for specialized purposes such as meteorology and rocket launch. A modern **theodolite** consists of a movable telescope mounted within two perpendicular axes: the horizontal or trunnion axis and the zenith axis.

3. **Terrestrial Scanning,** also known as 3D laser scanning, is at the forefront of the surveying revolution. It is quickly becoming the surveying tool of choice for commercial and industrial developers, municipalities and government entities, energy providers and others who are interested in obtaining precise drawings with long shelf lives – at a cost that adds value regardless of project size or complexity.

4. **Device Distribution and Installations -** The surveyor distributes or installs low-cost water saving devices, such as: showerheads, faucet aerators, toilet displacement devices, shower timers, hose bib timers, leak detection dye tablets, etc.

5. **Irrigation Scheduling –**The surveyor performs a precipitation test to determine the water application rate, then calculates the duration of operation (minutes/week) needed to maintain a healthy lawn. Reporting the minutes per week of watering is the most useful irrigation information imparted to the customer. In regions where landscape is regularly watered, over irrigation is the most common and significant problem of residential water waste. There is no meaningful method to instruct customers on proper irrigation levels without testing their irrigation system. The water application rate of systems varies from 0.25”/hr. to 3.5”/hr (.64 cm/hr to 8.89 cm/hr).

6. **Survey Report –** A written report is completed by the surveyor, and a copy left with the customer. The surveyor reviews the report with the customer before leaving the home. The customer report should not only inform; it should also motivate the customer to follow the water efficiency recommendations. Water savings projections

are estimated for each recommendation based on the unique factors (number of occupants, type of fixtures and appliances, size of landscape, leaks discovered, etc.) of the household.