



SMART WATER
M—G—M—T

National Development 9/90 Corporate Center

Case Study

3.7 Million Gallons of Water Saved



Figure 1: National Development property, Framingham, MA



Assessment Overview

Smart Water Management assessed the properties at 9/90 Corporate Center in 2014. We looked at the irrigation systems to find how long and how often the plants would need water and determined ways to improve the 15 year old systems to increase efficiency.

As a result of our assessment, we upgraded controllers and in-ground system components, and added flow sensors. The assessment helped us **gain critical knowledge** of the landscape, grow plants that were less dependent on water, and **implement a system** that provided the security needed to preserve the landscape environment.



Adaptive Control

Smart Water Management used the Rain Bird IQ platform to control and apply the correct amount of water. By **actively managing** these systems, we regularly evaluated and managed soil moisture to **maximize savings** and **improve the landscape**.

Precision & Accuracy

For 9/90 Corporate Center, we installed and actively managed the control system to apply the correct amount of water.

Smart Water measures and manages water flow. This ensures there are no zones stuck “on,” to prevent leaking systems. Today, none of these problems are evident at 9/90 Corporate Center. After all, not seeing a problem means the system is working.

All repairs and upgrades to 9/90 Corporate Center were made with precision in mind. For example, converting to pressure-regulated rotors and sprays resulted in **30% less water use, saving 80,000 gallons of water on a single property**.

We also replaced spray heads and used more efficient fixed pattern nozzles to avoid watering pavement (Figure 1).



The Result

In Framingham, Massachusetts, where 9/90 Corporate Center is located, water rates are over \$14 per 1000 gallons and have been steadily rising at about 12–16% per year. For 2015 **we reduced usage by 3.7 million gallons** compared to 2013.



Smart Water’s excellence in irrigation management has earned our trust by providing water savings solutions and diligent service.”

– Michael Bilodeau, *FMA*

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