

# W.E.T. case study



## City of Waterloo RIM Park

City of Waterloo RIM Park includes two artificial turf fields and four natural turf fields. Keeping the natural turf fields in top shape for competitive purposes and player safety requires high volumes of water.



*Figure 1 City of Waterloo RIM Park sports fields*

### Water savings solution

The solution was to use a rainwater catchment system. The system includes the installation of the stormwater collection under an artificial turf field. A sump directs the captured rainwater to the irrigation system. Excess rainwater goes into a nearby stormwater pond. Soil moisture sensors in the fields ensure optimum water management.

You can also visit the GreenLab at the pavilion to learn about the project and the importance of water re-use and conservation.

### **Economic benefits**

The Region of Waterloo provided \$9,264.00 funding through the W.E.T. Program for cost sharing on consulting and water savings.

The City of Waterloo realized over \$11,000 in annual water savings based on current water rates, which will increase incrementally over the next several years, further increasing savings.

### **Water savings**

The City of Waterloo RIM Park now saves 10.7m<sup>3</sup> of water daily, based on savings of 31.8m<sup>3</sup> per summer period day.

### **Summary**

#### ***Stormwater catchment system***

- W.E.T. Program funding: \$9,264
- Water savings: 10.7m<sup>3</sup> of water daily (31.8m<sup>3</sup> per summer period day)
- Annual savings: \$11,000

### **Region of Waterloo water programs for business**

The Region of Waterloo has funding and programs to help industrial, commercial and institutional organizations reduce water costs.

Learn more at [www.regionofwaterloo.ca/WaterSmartBusiness](http://www.regionofwaterloo.ca/WaterSmartBusiness).

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