



RAINWATER HARVESTING PROJECT OFFSETS ALMOST 70% OF OUTDOOR IRRIGATION COST

Water Management, Inc.'s (WMI) reputation as a leading water conservation company led the Capital Food Bank in Washington, DC to subcontract WMI to implement decrease their annual garden watering expenses. In total, the rainwater harvesting measure resulted in a cost of \$40,972 for implementation and will offset approximately 69.8% of the total irrigation demand annually.

To complete the project WMI, installed 10,000 gallons of storage by utilizing (2) 5,000 gallon aboveground UV resistant polyethylene cisterns. The cisterns were mounted upon a 18' by 19' concrete pad with 6 x 6 wire mesh and #4 rebar drilled into the existing concrete on the low end every 12" on center.



Additional features of the system include:

- The system has a wireless level sensor which reports back to a display unit.
- Located inside the building, WMI installed the system's pump, pressure tank, 25 and 5 micron filtration, and (1) UV water sterilizer.
- WMI installed two Meter Meters installed on the supply line of the system and one flow meter on the domestic make-up line to allow the food bank to keep track of the domestic usage and subtract the usage from the supply line meter to determine harvested water usage.
- Four frost free hydrants were installed to allow the food bank to water plants/gardens.



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