CHRIS Kids

Working Collaboratively to Protect At-Risk Kids—and the Environment.

Industry:
Social Welfare

Category:
Rainwater Harvesting

Location:
Atlanta, GA

Installation:
BRAE Rainwater Harvesting System

CUSTOMER: CHRIS Kids, a nonprofit that provides housing, assistance and counseling for young people who are aging out of the foster care system

SCOPE: $12.1 million permanent counseling and education center that includes supportive housing for 17-24 year olds.

CHALLENGE: Design a system to harvest and store rainwater for use in irrigation that would also control storm water runoff. Visibly demonstrate a commitment to sustainability and water conservation. Qualify for LEED and Earthsafe certifications

SOLUTION: 19,400 Gallon Eastern Red Cedar Tank with RMH-30 Rainset™ from BRAE

RESULTS: The system collects rooftop and surface storm water runoff, and stores it until needed for irrigation

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When CHRIS Kids was planning its new Summit Trail housing facility for youths aging out of the foster care system, it wanted a solution for irrigation and storm run-off control that would be a visual feature in the landscape, and a reminder of CHRIS Kids' commitment to sustainability and water conservation. The nonprofit turned to BRAE to find an end-to-end rainwater harvesting system to meet these needs, and to reduce costs in a sustainable way.

The system BRAE helped design collects rooftop and surface water runoff, and directs it to a series of catch basins that channel the water to an underground concrete sump station, and then to an above-ground tank where it is metered and used for irrigation. A water supply line feeds the tank with city water in the event that no rainwater is available in the primary tank.

"We use those gallons of water for our irrigation," said property manager Harold Moreau. "[The property] has a lot of natural vegetation, and with the readily available supply of water from the cistern, we're able to water accordingly as well as reduce costs, because we're not taking in any city water to use for our irrigation program."

BRAE™

ARCSA American Rainwater Catchment Systems Association

U.S. Green Building Council Member