



ECOVIE Residential Rainwater Collection System

Application:

Outdoor Irrigation and Stormwater Management

Project Location:

East Lake, Atlanta Ga.

The extensive amount of impervious surface at this residence in Northeast Atlanta was causing flooding and poor storm water management. The basement flooded nearly every time it rained hard, so it was a win-win situation when ECOVIE designed and installed a 1700 gallon underground system to collect rainwater from the roof and storm water from the driveway. The tank overflow goes to a rain garden, designed in a "L" shape, which acts as a barrier around the back edge of the property at the lowest point. A unique feature of the system is a multi-tiered active water feature which is an aesthetic compliment to the landscape while simultaneously acting as an aeration unit for the underground ECOVIE rainwater collection system.



The ECOVIE rainwater collection system is located underneath the lawn.



Tank entry with connects



Project Summary:

Catchment Square Footage: 3,000

Tank Capacity: 1,700 Gallons

Projected Annual Water Supply: 50,000 Gallons



Access point to the underground collection unit