

Residential Subdivision - Retention System

Arlington, VA - February 2003

The Problem

Permits were being denied for a small subdivision planned for construction in Northern Virginia. The impervious area that comes with large homes on small lots was generating more storm water runoff than the city could handle. With just a handful of small lots to work with, there was no room to construct a pond to handle the excess water.



The Solution

A RainTank System was incorporated into each unit to retain and infiltrate the runoff from the roof and driveway. Each home included a 1,000 cubic foot retention system. Because of the RainTank's 95% open volume for storage and its ability to support H₂O loads, the systems fit perfectly below the driveways. RainTank not only solved the problem of storm water retention and permitting, but it did so at a cost that kept the homes affordable.



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