

Wynco Distribution Center - Detention System

Harrisonburg, VA - August 2003

The Problem

After expanding the building, space was tight in this distribution facility's dock area. Backing large trucks in and out was hard enough, but a large storm water detention ditch on the outer edge of the lot added grave consequences to the slightest wrong turn. Any solution to handle the storm water and enlarge the lot would not only need to stand up to the heavy truck loads, but work within the constraints of an inflexible outlet elevation.



The Solution

Using RainTank to store 4,000 cf of storm water below the parking lot in the same footprint as the ditch added 15' to the lot. RainTank's ability to stand up to H2O loads was critical to its selection, and a double tank was used to meet the requirements of the outlet invert.



RainTank not only fit into the project parameters, but it fit in the budget, too. Freight costs were minimized by shipping the units flat and constructing them on-site. By using RainTank's 90% void surface area to infiltrate water, the three acre parking lot drains quickly with no expensive inlet structures.



ACF Environmental
2831 Cardwell Road
Richmond, VA 23234
800-448-3636

www.acfenvironmental.com