

Water Harvesting Tank

Project Location 22182 Jefferson Davis Hwy Ruther Glen, VA, USA

Project Details Virginia Sports Complex Rainwater Harvesting

Completion Date May 2005

Project Partners

Client: Virginia Sports Complex

Type of Installation

Sports Field

Rain Water Harvesting Tank

Capacity

625,000 litres (165,000 Gallons)



The Challenge:

Professional quality baseball fields require a lot of water for irrigation. But for this site, municipal water was not available to irrigate the 10 fields under construction. That made the retention pond a critical reservoir, and red flags went up when DuraTurf Services Corp of Richmond, VA, (the contractor building the fields) noticed that a single irrigation cycle would completely drain the pond.



The Solution:

With no space available to expand the pond, it was suggested that a primary swale behind an outfield fence be converted into an infiltration trench with an underground cistern. Instead of moving water to the pond, the swale would infiltrate water through the sandy bottom and into a lined RainTank system, which created 625,000 litres (165,000 Gallons) of additional storage.

