

# HydroTurf® A GREENER PATH FOR HIGH-TRAFFIC AND EROSION-PRONE AREAS



## A System Engineered Specifically to Eliminate Erosion on the Course

Used by Top Golf Courses throughout the world, the HydroTurf® Revetment System is the ideal solution for courses where natural vegetation takes a beating and is difficult to establish and maintain. These high-traffic and erosion-prone areas include: cart paths, maintenance paths, lake and pond shorelines, and drainage channels. HydroTurf is a permanent armoring system designed to protect these critical areas while maintaining the aesthetic of natural turf. It consists of an impermeable layer overlain by engineered synthetic turf which is infilled with a high-strength cementitious mix called HydroBinder®. The turf and infill can be matched to blend in with the existing vegetation. HydroTurf will ensure your course is performing at the highest level and will help to preserve the immaculate detail and experience expected by your patrons.

### HydroTurf Benefits Over Traditional Solutions

- Natural look and feel
- Less expensive
- Less maintenance
- Rapid, low impact installation

#### Featured HydroTurf® projects, include:

- Trump National Doral Miami (Florida)
- Beth Page State Park Golf Course/ PGA Events (New York)
- Patriots Hill Golf Club (Oklahoma)
- Valhalla Golf Club (Kentucky)
- Hurstbourne Country Club (Kentucky)
- Oxmoor Country Club (Kentucky)
- Chariot Run Golf Club (Indiana)
- Top of the Rock Golf Course (Missouri)
- East Lake Golf Club (Atlanta)
- Trammell Crow Estate (Texas)
- Jiva Hill Golf Club (France)
- La Moraleja Golf Club (Spain)

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## HYDROTURF® GOLF COURSE SYSTEMS

“HydroTurf is a remarkable product that has dramatically improved our high-traffic, stressed areas throughout the golf course. Since installing the HydroTurf in these areas, it has saved time, money and manpower in maintenance. The color of the different synthetic fibers allow for the repaired areas to blend in extremely well with the natural turf. We hear it all the time from our members and guests on how real it looks.”

~Roger Meier, Valhalla Golf Course, Head Superintendent

### CART PATHS AND WORN AREAS

Golf carts, maintenance vehicles, and pedestrian traffic all create areas of worn natural turf on golf courses. When these areas are coupled with poor soil conditions, inadequate drainage, erosion, and shade from trees, it is near impossible to establish and maintain healthy natural turf. The result is unattractive worn turf areas and rutted bare soil/mud which is repeatedly repaired at a significant cost.

The HydroTurf cart path system can eliminate the headaches of turf wearing and soil rutting. Using our patented engineered synthetic turf revetment system, HydroTurf delivers the best of both worlds – the environmental and aesthetic benefits of turf vegetation as well as the performance and maintenance benefits of hard armor revetments.

### DRAINAGE SYSTEMS

Golf courses need to control a significant amount of stormwater runoff. This is usually achieved through hydraulic and drainage structures such as swales, channels, basins, outfalls and pipes to protect the course from damaging erosion as a result of storms and floods. Repeated maintenance of these drainage systems constructed with traditional methods requires large budgets and additional man power.

HydroTurf requires little to no maintenance and has exceptional hydraulic performance as demonstrated by the extensive full-scale testing at Colorado State University. HydroTurf is less costly and more aesthetically pleasing than the traditional methods such as rock riprap, articulated block and concrete. It will stand up to the most demanding hydraulic environments and look good doing so.

### SHORELINE STABILIZATION SYSTEMS

Lakes and ponds are used on golf courses as hazards, for stormwater control and as aesthetic features. The shorelines of these lakes and ponds can be difficult to vegetate leaving behind a bare, eroded slope. Causes include fluctuating water levels, wind fetch waves, poor soils and burrowing animals. Erosion of the shorelines causes instability of the banks and sediment to fill the lakes resulting in unsightly features on the golf course.

The HydroTurf Revetment System is the perfect solution for this unattractive maintenance problem. The system resembles turf while delivering an engineered, stabilization solution that will last for years to come.



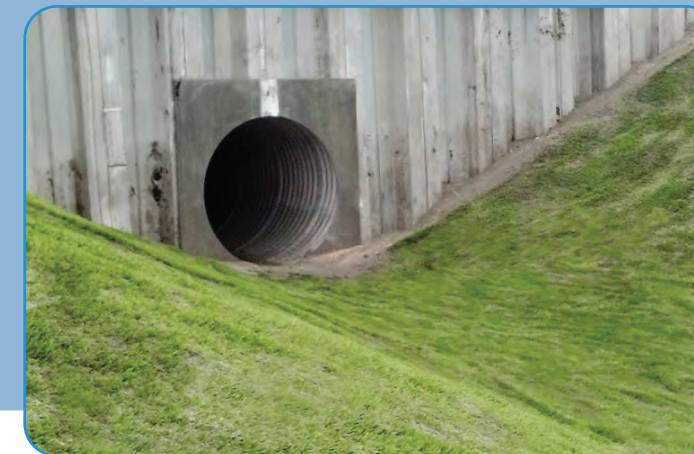
Valhalla Golf Club, Kentucky



Beth Page State Park Golf Course, New York



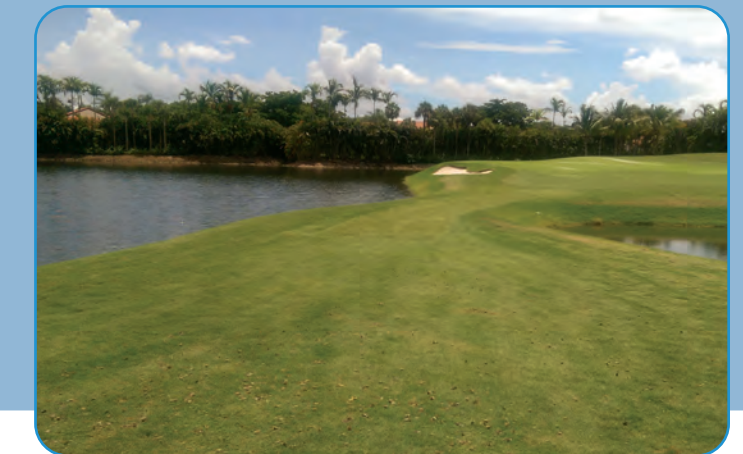
Hurstbourne Country Club, Kentucky



Outfall Structure, Florida



La Moraleja Golf Club, Spain



Trump National Doral Miami, Florida