



THE
MADEIRA
SCHOOL



HOME OF THE BEST 5TH GENERATION SYNTHETIC TURF FIELD IN AMERICA

PROJECT NAME:	The Madeira school Turf Field
PROJECT LOCATION:	8328 Georgetown Pike, McLean, Virginia 22102
TURF SYSTEM:	Shaw Sports Turf's Legion PRO 2.0 System with Geofill infill
TOTAL TURF AMOUNT:	156 600 SF.
PROJECT TEAM:	GTR Turf Inc. and Leading Design and Development, LLC

Turf technology meets athletic facilities demands for the new Madeira outdoor playing field

High-performance 5th generation synthetic turf, key to exceptional system design.

New generation materials, construction methods and installation have brought major advances in artificial turf technology and even transformed the way the game is played. High-quality artificial surfaces have set the field for improved play accuracy through offering better ball control, making the sport faster and more exciting for spectators, but they also offer more protection for players who need to slide, tackle and fall without fear of nasty abrasions.

Supporting these advances is an evolution in technology, which has also helped boost the adoption of artificial turf surfaces in soccer, hockey pitches, tennis and American football in recent years.

THE NEED

The Madeira School needed to bring its athletic facilities to the next level to par with other independent schools in the Independent School League. With the planned updates, Madeira needed to enhance the player experience and generate excitement amongst its athletes.

The chosen solution had to improve safety, reduce field damage, and increase playing times on the field spaces.

THE SCOPE OF THE PROJECT

The scope was partially driven by a Campus Master planning process a few years ago and then more specifically shaped by an Athletics vision and usability and ultimately defined by a board articulated budget.

Madeira reviewed the original concept of the project for its functionality, potential cost and ability to be unique in the marketplace.

The process involved a strategic look at the whole of their athletics program and then focused down to the specific needs for field sports and ultimately how to proportion their field spaces/facilities across each sport.

The Madeira school had options such as size of playing surface, seating, scoreboard, blade type, shock pad and of course, infill, which was important given the recent attention given to crumb-rubber fields as well as Madeira's own concerns regarding its pristine campus.

Madeira weighed these options against what they wanted for their athletes, their practical needs for the facility and what they could afford. Several of the leading products for field surfaces, infill, shock pads and drainage systems were evaluated and compared.

They also conducted a similar evaluation of construction/installation companies who are experienced in building athletic facilities similar to the one needed.

The executives had energetic discussions about the project.

They wanted to have a stellar field, an environmentally-friendly field, an attractive facility and a budget conscious outcome.





THE CHALLENGES

Madeira had a geographic challenge whereby they were limited by the amount of suitable land available for athletic field use. They needed a solution that was sensitive to the environment and maximized a limited amount of available space.

Another issue was of course, the premium price tag on each of the three main elements of the desired system; the pad, the in-fill and the blade.

However, these premium products will minimize player injuries, provide facilities maintenance savings, reduce the surface temperature thanks to its 100% environmentally ecological infill.

THE PREFERRED OPTION

The Madeira school reviewed multiple providers who were active in installing these types of projects with independent schools. In the end, there were two that stood out.

In terms of the options, they took the anecdotal information about how rare this type of facility would be.

The square footage, the choice of infill, the blade and the shock pad all together made them convinced that this was going to be a project that would transcend the high school standard in the area.

GTR Turf brought a local base and knowledge as well as a stellar partner in LDD.

Madeira appreciated the experience and quality of other installations along with the recommendations and comments of prior customers. The team assembled by GTR Turf, their understanding of the engineering challenges of the site and the requirements of Fairfax County was impressive.

THE RESULTS

Madeira has today, the best 5th generation synthetic turf field in America, with a 100% environmental friendly organic infill.

It will bring a proven innovation and leadership in women's athletics.

MADEIRA



WORLD CLASS TECHNOLOGY



INNOVATION

Geofill is the leading natural alternative infill in the synthetic turf market. It is made from completely natural materials that are environmentally friendly. Geofill is composed primarily of coconut husks and fibers.* Coconut fibers are 100% organic and are a rapidly-renewable resource.

- Soft, comfortable surface
- Safest field on the market
- Looks and performs like natural soil
- Secure underfoot traction
- Excellent moisture retention
- Evaporative cooling system
- Reduces turf temperature of up to 40 degrees
- Mold, mildew and salts resistant



PERFORMANCE

Combining slit film and monofilament fibers into one complete system, Legion provides the benefits of both: not only does it look like natural grass and allows for better ball roll, but it also has added durability and infill control.

- Natural playing experience
- Natural footing stability
- Excellent ball-to-surface interactions
- Exceptional ball roll and ball bounce
- Excellent shock absorption
- Longevity and durability
- Temperature and tear resistance
- Most uniform playing surface



ENVIRONMENTALLY FRIENDLY

Because it's natural, Geofill provides an organic ground layer for a field. Geofill allows for clean water runoff. Coconut fibers have an excellent natural resistance to mold, mildew, and decay. For Geofill, end-of-life recycling means it's as easy as using it to create a soil layer in a garden bed.

- Premium monofilament and slit film fibers
- Extreme amount of ounce weight
- 3-layer Ultraloc composite backing system
- Three layers of backing
- Added UV stabilizers for an extra protection
- High strength to withstand forces
- Polyurethane backing
- Reduces infill fly out