

Sport Drain_{Max}

DRAINAGE & IMPACT ATTENUATION LAYER FOR
SYNTHETIC TURF SPORT SURFACES



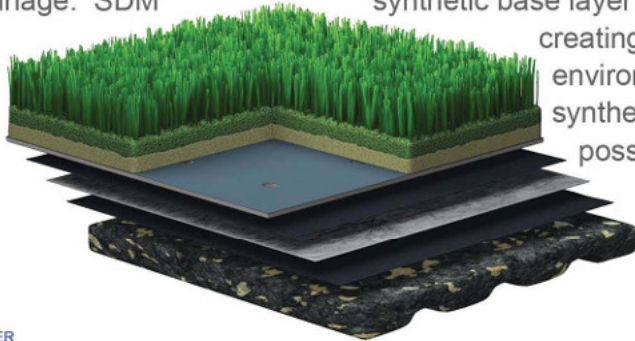
ENGINEERED SPORTFIELD SOLUTIONS

Sport Drain_{Max}

Drainage & Impact Attenuation Layer

Sport Drain_{Max} (SDM) has been developed in conjunction with experts in the field to provide *Best Practice* solutions for synthetic turf drainage. SDM is specifically developed for drainage directly under synthetic turf while offering

enhanced performance and providing impact protection in one easily installed product. SDM is the most advanced synthetic base layer technology, creating the most environmentally green synthetic athletic field possible.

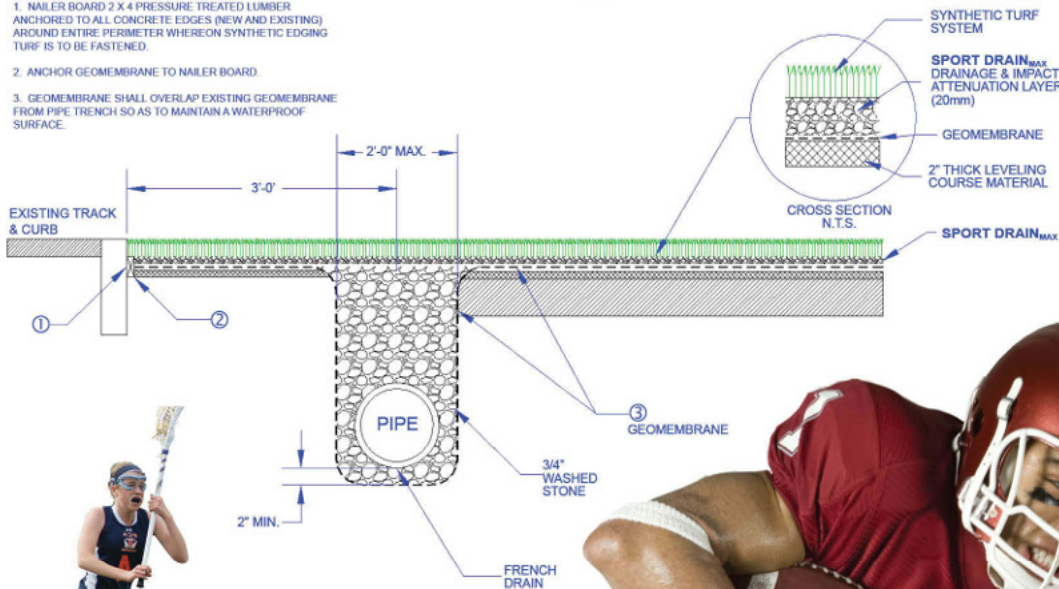


NOTES INDICATED BY NUMBER

1. NAILER BOARD 2 X 4 PRESSURE TREATED LUMBER ANCHORED TO ALL CONCRETE EDGES (NEW AND EXISTING) AROUND ENTIRE PERIMETER WHEREON SYNTHETIC EDGING TURF IS TO BE FASTENED.

2. ANCHOR GEOMEMBRANE TO NAILER BOARD.

3. GEOMEMBRANE SHALL OVERLAP EXISTING GEOMEMBRANE FROM PIPE TRENCH SO AS TO MAINTAIN A WATERPROOF SURFACE.



THE KEY TO YOUR BEST FIELD

Shock absorption layer provides consistent, engineered safety across the entire field.

A two part shock absorption layer (mat and infill) enables design optimization of safety (**G_{max}**) and playability (vertical deformation and ball rebound). SDM is Firm, but safe.

Safe and Long Lasting

SDM will last the lifetime of the field and will not degrade or harden. In fact, **Sport Drain_{Max}** will outlast the synthetic turf itself and may be used for two cycles.

Rapid Water Drainage

Sport Drain_{Max} is specifically designed to remove water from the field, a virtual flat pipe directly under the synthetic turf surface. SDM is manufactured with built-in permeability and lateral flow properties, which easily drains the most severe rainfall event, **up to 6" per hour**.

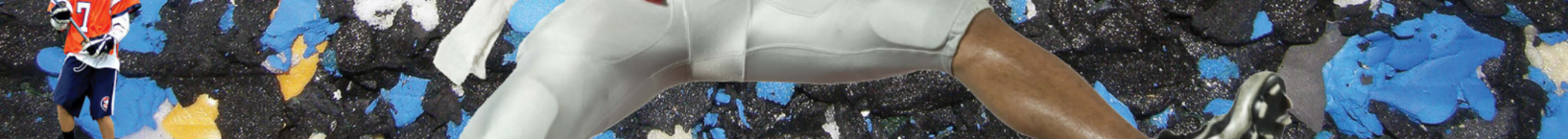
Lays Flat, Stays Flat to Conform to the Subgrade

Flexible, with minimal thermal coefficient of expansion and contraction, SDM will conform immediately to the subgrade, and can be placed directly on prepared soils, asphalt, concrete, stone, or an existing E-Layer.

Exceptional **G_{max}** Attenuation

SDM will enhance any turf system, providing a shock attenuation layer (**G_{max}**) directly under the turf surface. Our testing data reports that using SDM on any turf system will result in an improved **G_{max}** score throughout the life of the field.





Cost Effectiveness

Base drainage layer will last for two turf cycles, eliminating concern with base repair or remediation during turf replacement.

Same turf system savings apply during replacement.

Saving Replacement to Natural Materials

Using SDM can eliminate the need for stone drainage layers, substantially reducing the need for excavation, removal and the replacement of aggregate or soil.

Optimum Field Installation

With rolls at 4' wide and 210' long, SDM is designed to easily go from one side of the field to the other. Simply roll out and roll the synthetic turf directly on top. This efficient installation allows the project to easily stay on schedule.

Cost Construction

SDM reduces base construction time by 7 days.

Eliminates the time and effort required for base aggregate testing and approval.

Eliminates subsequent base drainage performance concerns.

LONG TERM GMAX



Picture 1. Rolls make for quick and easy installation

“Sport Drain_{Max} is not only a *smart* sustainable choice, but costs less and outperforms traditional methods and everything else on the market.”



Picture 2. In-plane drainage channels to maximize horizontal flow



LEED CREDITS AND SDM



SDM is produced from cross-link, closed cell polyethylene (PE) foam. The foam is sourced from uncontaminated post-industrial waste. Cross-link PE foam incorporates exceptional hydraulic, mechanical, and structural properties not attainable with other materials. These inherent properties make it the ideal raw material for the requirements of SDM. **Sport Drain_{Max}** is made from **100% RECYCLED MATERIALS**. Using SDM has a number of environmental benefits that may qualify for up to 15 LEED credits with the U.S. Green Building Council.

Energy & Atmosphere

- Reduced carbon emissions and fuel consumption of equipment
- Reduced energy cost

Sustainable Site

- Reduced disturbance to the site and natural environment
- Effective storm water management of the field

Water Efficiency

- Eliminates irrigation requirements

Materials & Resource

- SDM is Cradle to Cradle Technology
- SDM is 100% Recyclable
- SDM is 100% Recycled Content





"INNOVATIONS THAT PROJECTS TODAY'S ATHLETES"

selected
PROJECTS

The collection of projects appearing here is a small sample of the numerous fields throughout North America that have **SportDrain_{MAX}** installed.

For additional references, please contact us.

Baltimore Raven's Training Facility
Owings Mills, MD

Georgetown Day School
Washington, DC

Kingsborough College
Brooklyn, NY

Lampport Stadium
Toronto, Canada

Mars Hill College
Ashville, NC

NCCU O'Kelly Riddick Stadium
Durham, NC

Pomona College
Claremont, CA

Stockton College
Pomona, NJ

Texarkana ISD Indoor Facility
Texarkana, TX

University of Louisiana Lafayette
Lafayette, LA

Yuba College
Marysville, CA

Asphalt Green
New York City, NY

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