Recycled Foam Technologies

Under the Surface

Engineered Sportfield Solutions LLC

HIGHLIGHTS

ESS SPORTFLOW

Design Criteria
Subsurface Drainage + Storage > = Rainfall

SportFlow is a triplanar geonet core with a geotextile laminated to one or both sides. Used in both synthetic and natural athletic fields, it is an effective drainage system that is placed under the entire base layer.

SportFlow has an extremely high permeability (k ³ 65,000 ft/day), with a flow rate equivalent to 12-inch untreated open-graded aggregate. Placed under the aggregate layer, SportFlow will provide uniform and continual collection of infiltrating water, protecting your field from excessive saturation.

Not only does SportFlow ensure excellent drainage, it also reduces and simplifies your excavation, allowing for the elimination of up to twelve inches of soil removal and replacement. Unlike natural drainage stone, SportFlow has significant strength and creep resistance to enhance the strength of any sub-base layer.

Product Advantages:

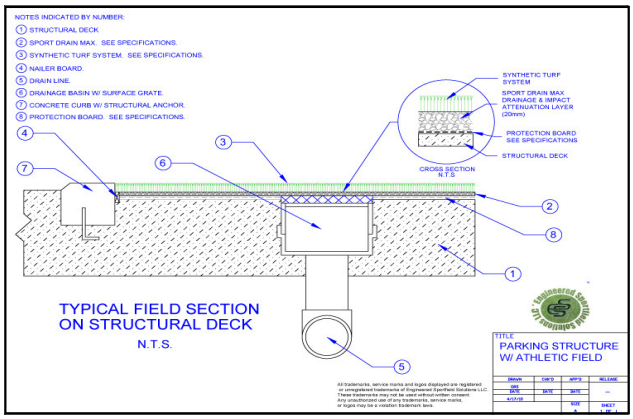
- Quick removal of surface infiltration water with high permeability
- Economic alternative to unstable open graded aggregate
- Capillary break with void maintaining structure
- Geotextile separator to prevent the migration of fines
- Easy installation with less excavation and reduction on sub-grade strength requirement
- High compressive creep

PARKING DECK SYNTHETIC TURF MADE EASY WITH SPORT DRAIN$_{MAX}$ AT GEORGETOWN DAY SCHOOL

In 2009, Georgetown Day School completed construction of a new athletic center. Located in the center of our nation's capital, the school is challenged for open space. The need for parking and an athletic surface forced the school to maximize their urban footprint by constructing a synthetic turf athletic field on the top of the parking garage. This innovative application converts a structural, impervious surface into "green" space for athletic fields or playgrounds.

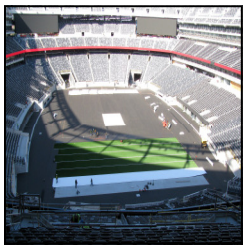
SportDrain$_{Max}$ was selected and placed directly over the concrete deck and membrane, eliminating the need for any natural aggregate materials required for drainage. SportDrain$_{Max}$ was chosen to provide horizontal Drainage and Shock Attenuation in one easily installed layer. Simply roll SportDrainMax across the field, then place your synthetic turf and infill system on top. There is no need for an elaborate drainage system, it's lightweight and its thin profile allows for minimal slope, while providing superior drainage and consistent, engineered safety directly under your synthetic turf system.

At Georgetown Day School, the synthetic turf installation was completed on-time with an aggressive schedule. The field is now being enjoyed by a variety of sport programs which includes: soccer, football, baseball, softball, lacrosse, and field hockey.

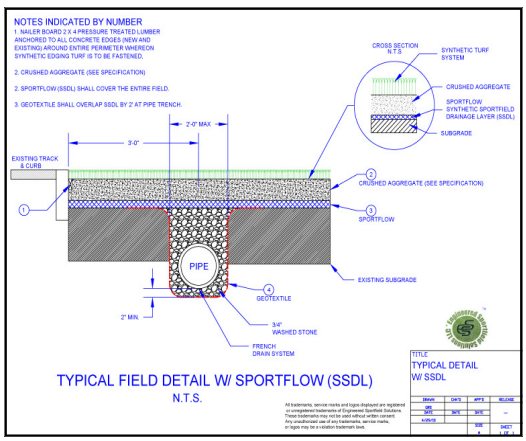


SPORTFLOW INSTALLED AT THE MEADOWLANDS STADIUM, HOME TO THE NFL JETS & GIANTS

The Meadowlands Stadium is the newest NFL stadium to install a synthetic turf playing surface. Construction at the site was complicated by poor surface conditions and required a solution that provided excellent drainage, high compressive stiffness to support traffic, and high tensile strength for increased reinforcement of the sub-grade. ESS SportFlow was selected to ensure these requirements were met. Placed under the aggregate layer, ESS SportFlow ensures excellent drainage and reduces the overall depth of the excavation and aggregate layers.



This new stadium will be the home field for the New York Giants and the New York Jets, the first facility built specifically to accommodate two National Football League teams. Additionally, the multi-purpose stadium will be used for concerts and other entertainment and sports activities. The stadium is slated to open in the 2010 season.



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