

CASE HISTORY

Duval Henderson Memorial Athletic Fields



LOCATION: Bryan County, GA

PRODUCT: SportDrain_{Max}

APPLICATION: Sport Field

DATE: 2007

OWNER: Bryan County Department of Parks & Recreation

CONTRACTOR: Medallion Athletic Products

Medallion Athletics Products contacted Engineered Sportfield Solutions, LLC and Recycled Foam Technologies, LLC to help design a sub-base and drainage system for the synthetic turf fields for the Duval Henderson Memorial Athletic Fields in Richmond Hills, GA.

After a complete review of on-site soils and geotechnical conditions, it was determined that the existing site conditions were ideally suitable for incorporating SportDrain_{Max} as a cost-effective alternate for the natural drainage layer. ESS, with the help of McSpadden Engineering, developed a site and drainage plan incorporating existing soils and a synthetic drainage layer to solve the geotechnical problems with the site.

Existing soils were prepared and compacted to reach planarity and density of a minimum 95% proctor. A lightweight geomembrane was placed directly onto the compacted sub-grade to protect it from the instability from excessive water. SportDrain_{Max} was then placed directly on top of the geomembrane. Medallion Athletics immediately installed MaxPlay synthetic turf directly on top of the SportDrain_{Max} with three pounds of crumb rubber for a quick and cost-effective solution. Using SportDrain_{Max}, rather than natural aggregate saved the owner \$30,000 on each field, which does not include the excavation costs. The owner, Bryan County Department of Recreation and Parks, couldn't be happier with their investment.

Sport Drain_{Max} is a patent-pending technology

**Drainage,
Protection,
Insulation.**



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BENEFITS:

- Excellent Drainage Efficiency
- "Lays flat-stays flat" technology
- Excellent G_{max} protection for the life of the field
- Quick and cost effective installation
- Easy transport
- Environmentally friendly...95%recycled materials
- Crush resistant
- Cost effective replacement for natural aggregate materials
- Safe and long-lasting
- Easy to Handle

3R FOAM

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