

CASE HISTORY

University of Louisiana Lafayette



LOCATION: University of Louisiana Lafayette

PRODUCT: SportDrain_{Max}

APPLICATION: Sport Field

DATE: 2008

ENGINEER: Sports Engineering Technologies, Inc.
Mansfield, TX

CONTRACTOR: Prograss

The University of Louisiana Lafayette synthetic turf resurfacing project presented many challenges to the design engineer. The most critical was a shallow water table, which was just two (2) feet below the final subgrade elevation. The design engineer had to develop base system that allowed for sufficient drainage and stability to handle the final design of the project.

SET Engineering chose to cement stabilize (6% cement per dry unit weight of the soil) the top 8 inches of the existing subgrade. This chemical stabilization was necessary to achieve the required working platform and a solid base for the anticipated construction traffic. To dissipate potential hydrostatic pressure from the high water table, Prograss deployed a permeable 8 ounce per square yard non-woven geotextile and Sport-Drain_{Max} directly on the prepared subgrade. Sport drain Max allowed adequate drainage capabilities from both the surface and from the potential rise in the water table below. Sport Drain Max underneath the synthetic turf surface provides a capillary break and eliminates the need for substantial excavation and replacement of costly natural aggregate materials. This scenario is not uncommon for many synthetic turf projects.

Sport Drain Max served a dual function on this challenging project, providing superior drainage and impact attenuation over the cement stabilized subgrade.

* Sport Drain_{MAX} is a patent-pending technology

Drainage & Impact Attenuation



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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
- Environmentally friendly...95% recycled materials
- Cost effective replacement for natural aggregate materials
- Safe and long-lasting
- Crush resistant
- Easy to Handle
- Easy transport



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