



EA Sports Turf Playing Field



Prefabricated drainage system is easy to install and lowers excavation costs.

LOCATION:

Burnaby, British Columbia

PRODUCT:

Nilex NuDrain PD20

PROJECT PARTNERS:

Owner

EA Sports

Consultant

Vel Engineering

Completion Date

Spring 2005

EA Sports wanted to build an on-site artificial turf playing field for their employees on the top of a four-level parkade.

Challenge

Due to limited space, poor site accessibility, and load restrictions, conventional drainage mediums like gravel could not be used.

The chosen drainage medium would also have to adapt to local rainfall intensities, 4,087.6 m² of surface drainage area and accommodate a soccer field as well as a basketball, and volleyball court.

Solution

On consulting with the project manager at Vel Engineering, Nilex NuDrain PD20 drainage board was specified for the drainage layer of the sports field. NuDrain PD20 is designed to create an air void for ventilation while allowing water and moisture to pass through the drain core for easy removal.



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Installation

Nilex provided on-site assistance during installation of the NuDrain PD20. The drainage board was rolled out and woven geotextile was placed in between the rubber turf matting; the geotextile provided a drainage filter and separation layer. The light-weight drainage board facilitated quick and easy deployment.

Results

Nilex Nudrain PD20 was easy to install and withstood extreme heavy rainfall by collecting water and carrying it off for removal through surface drains or perimeter drains.

Nilex NuDrain replaces and reduces the natural drainage aggregate and its impact on the environment. It minimizes the amount of drainage aggregate processed and transported to site, saving the owner money in both materials and logistics.

The Nilex Advantage

Nilex is committed to unearthing better results. Whether it's for a civil, resource or environmental project, we offer the latest engineered and technically superior materials and techniques to save our customers time and money, and minimize the need to move or remove earth, and reduce the need for granular materials.

With over 35 years experience, a long-standing commitment to the environment and highly qualified staff, Nilex delivers the products and technologies that give clients an economic advantage with environmental benefit.

