JDRAIN

The search and need for an effective drainage system has always played a vital role in the construction industry. In the past, conventional crushed stone and perforated pipe has been used, but this system has several inherent limitations and shortcomings. With the development of geosynthetic geotextile fabrics in the 1960's, the era of the prefabricated drainage system was born. A J-DRain prefabricated drainage system (or PDS) consists of two parts:

1) Geosynthetic Filtered Fabric:

Holds back the soil and allows water to enter the core.

Geotextile fabrics have outstanding water flow levels, providing water to enter the drainage core quickly. The fabric is attached to the core preventing the backfill from entering the core channels and is resistant to clogging.

2) Molded Plastic Core:

3-dimensional dimpled or honeycombed polymeric core.

The core is made of high strength plastic and provides tremendous in-plane water flow levels. It is made to withstand the tough backfill stages and will provide better drainage than the old pipe and stone method.

Over the years the prefabricated drainage system has evolved and many new and exciting products have been developed. These products are described as either sheet drains or strip drains.

Sheet Drain:

A sheet drain is primarily used vertically or horizontally against waterproofing or damproofing. The prefabricated drainage system sheet drain provides 3 primary benefits:

- Quickly gets water away from the wall, relieving hydrostatic head pressure.

- Provides a channel to get the water down to the collection system.

- Protects the waterproofing, especially during backfilling.

Strip Drain:

The strip drain replaces pipe and gravel foundation drains and french drains. The lightweight strip drain costs less, drains better and is easy to install. With its consistent performance characteristics and NES code approval, it has become the drain of choice.