Case Study

On

DESIGNING OF ECOLOGICAL CHANNEL / URBAN SUSTAINABLE DRAINAGE SYSTEM OF LATEST DESIGN & TECHNOLOGY AT CLIENT SITE, HARYANA (INDIA)

BY

Life GREEN SYSTEMS

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Life Green Systems’ ecological channel system provides permanent underground waterways that restores water quality and recharges the natural environment. The underground Life Green Systems channel system provides a unique way of working with nature to solve the enormous problems currently associated with open concrete channels.

As per client’s requirement, we installed Life Green Systems’ Ecological Channel / Urban Sustainable Drainage System at their company premises. The ecological channel is hollow from inside and wrapped with geotextile. The property of the geotextile is to avoid soil insertion and allow surrounding water to insert to Life Green Systems Ecological Channel. The design is based on seeping water from the earth which will route through Life Green Systems’ Ecological Channel after getting percolated through geotextile which has wrapped the entire channel. Top surface is covered with landscaping that offers aesthetic feature to the overall design.

The design solution includes:

- Area: 92625 sqm
- Water capturing capacity: 600 cum
- Length of Ecological Channel: 1100 meter
Installation of Life Green Systems’ Ecological Channel / Urban Sustainable Drainage System

Initial site before installation of Ecological Channel

Excavation Process
Base Preparation / Soil Dressing

LifeRain™ Module Installation
Cutting & Laying of Geotextile

Geotextile wrapping of LifeRain™ Modules
Geotextile wrapping of LifeRain™ Modules

Backfilling Process
Backfilling

Final site after installation
Final site after installation of Ecological Channel
Together we can work to achieve your water resource goals. We look forward to helping you find your balance.

Visit: www.lifegreensystems.com