

Ecological Channels

Project Location: Golf Link, New Delhi

Date of Commencement: 2nd December 2013

Date of Completion: 5th December 2013

Life Green Systems Ecological Channels are modular & low maintenance solution to restore water quality & emulate the flow of natural waterways.

The Life Green Systems innovative ecological channels provide permanent underground waterways that restore water quality and recharge the natural environment. Our underground Ecological Channels provide a unique way of working with nature to solve the enormous problems currently associated with open concrete channels.

The client has required a cost effective and low maintenance solution to upgrade.

The Solution:

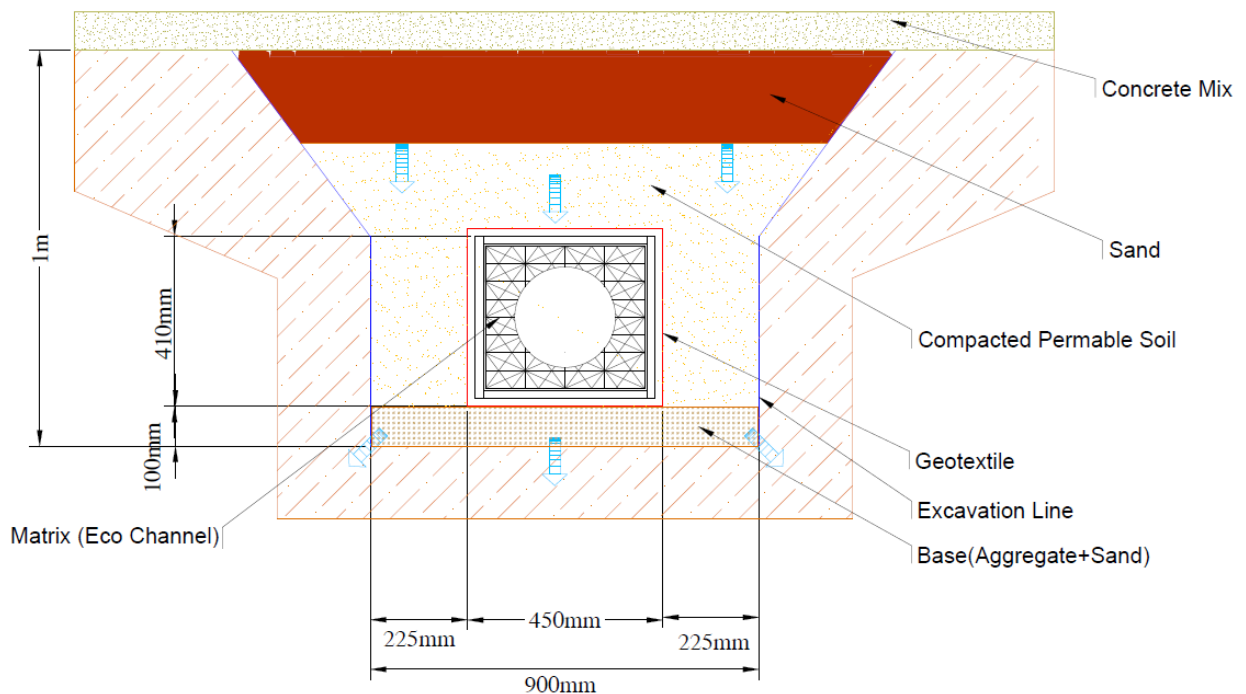
To cope up the need, we installed Life Green Systems Ecological Channels around the inside periphery of the Pump room below the floor of client's premises. By implementing this system, we made certain that the top



surface of the operated site can be used for any work and required zero maintenance.

The ecological channels are hollow from inside and its load bearing capacity is 24 tons per Sq.mtr. The whole ecological channels will be wrapped with 400 GSM geo-textile membranes. The property of the geo-textile membrane is to avoid soil insertion and allow surrounding water to insert to Life Green Systems Ecological Channels.

The design is based on seeping water from the earth which will route through Life Green Systems Ecological Channels after getting percolated through Geo-textile membrane which has wrapped the entire channel. In Ecological Channels installed a pump with automatic float switch. The outlet of the pump is connected with Nearest Drainage line. Whenever the Ecological Channels will fill with water the pump would automatically start working and pump put water from the Ecological Channels to Drainage Line. This method also helped the client to avoid water seepage from the earth to pump room floor. This entire water will be carried out as per the route to the outside premise.







We look forward to helping you find your balance with the ecology.

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