Xeripave

Bio-Retention Systems

Unique and extremely effective, Xeripave Bio-Retention Systems are based on Xeripave technology and enable contaminant removal from stormwater runoff in almost any location and under the most severe conditions.

Xeripave Bio-Retention Systems, when used as a gathering point for stormwater harvesting, create a valuable new water resource.

Xeripave provides a variety of catchment and filtration options. Stormwater runoff dissipates through the Xeripave into filtration pits where the water is filtered through selected filtration media.

Stormwater may then be harvested from the system or discharged to outfall watercourses as clean water with contaminants filtered out.

Systems can be designed to allow filtered water to be diverted to underground aquifers, to recharge depleted ground water supplies, and eventually provide for drawing water from aquifers as an additional water source.

It is the large pavement areas in cities, such as parking lots, that create the largest stormwater runoffs and are a major source of outfall pollution. Instead of being a problem these areas can now serve as part of the solution.

Xeripave water systems are installed across the water flow or at anylow point of large pavement areas. Roadside bio-retention systems, located under street gutters provide either for stormwater harvesting or for purification of stormwater prior to collection.

A major advantage is that the Systems can be economically installed in any location and can be retrofitted to all paved areas in the urban system.

Filtration media is easily removed as required, and new media installed.