

## Retrofits Have HUGE Impacts

Retrofitting Low Impact Development into an existing parking lot can have huge impacts on a watershed. With a 90% reduction in peak flow combined with the 3,500 gallons of water that is captured, the Aguirre & Fields parking lot reduced the discharge rate leaving the site to the predevelopment condition. This means water leaving the site now has no net impact on the watershed.

Not only does the water leave the site at a reduced rate, preventing downstream flooding and erosion, it also leaves the site cleaner than before. With a high performance FocalPoint High Performance Modular Biofiltration (HPMBS) in place, Total Suspended Solids are removed from the discharge along with hydrocarbons, phosphorous, nitrogen and other pollutants that can harm the watershed.

If the strategy implemented by Aguirre & Fields was duplicated on all new parking lot expansions, all new urban roadway projects and urban redevelopment, the impacts of the last 100 years of development could potentially be reversed as it relates to both a water quality and discharge volume.

## Experience Matters

Venturing into a new realm of design and development can be challenging for even the most progressive engineering firms without previous experience designing with LID. Even the best laid plans can be sabotaged by poor materials testing or improper installation methods. This is why the design team at Aguirre & Fields has teamed up with Construction EcoServices to provide the best Low Impact Development solution for their parking lot design. Our years of Low Impact Development design and construction experience has led us to the creation of next generation' Low Impact Development solutions like FocalPoint & the R-Tank Reuse System. With the partnership of manufacturers around the world, we seek to create new and innovative ways to raise compliance and lower costs in ways that are simple to design, easy to install, and which offer both performance guarantees and warranties not available with other approaches.

## FocalPoint HPMBS

A scalable biofiltration system which combines the efficiency of high flow rate engineered soils with the durability and modularity of a highly pervious open cell underdrain/storage/infiltration system. While originally developed as proprietary technology, these systems are also available in a tightly specified generic format.

