



ENGINEERS WITHOUT BORDERS-USA
PORTLAND STATE UNIVERSITY
STUDENT CHAPTER

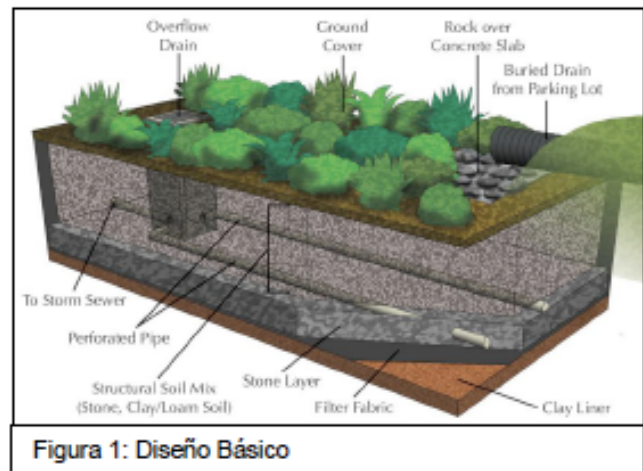
Dulce Nombre Stormwater Remediation Project

Projected completion: December 2012

Project impact: Over 200 elementary school students directly affected, approximately 1000 community members indirectly affected

Estimated Project Cost: \$15,000

The figure to the right shows the design inspiration for our infiltration system. By installing gravel and pipes under the school's playground, we can increase the rate at which the water absorbs into the ground and thus minimize or eliminate flooding. This simple and effective system can be implemented and maintained by members of the Dulce Nombre community.



March 2012: Students at Dulce Nombre Elementary School help EWB-PSU's professional mentor, CEE instructor Tom Szymoniak, perform infiltration tests on the school playground.



March 2012: Student stays after school to watch project lead Andy Kading gather elevation data of the project