

EcoRain® Improves Water Quality Through Infiltration

PROJECT

Los Angeles International Airport

Location

Los Angeles, CA

Installation Date

January, 2007

Owner

Los Angeles International Airport

Engineer

Tutor-Saliba

Contractor

Tutor-Saliba

Product & Quantity:

EcoRain Underground Detention System

Approving Agency

Federal Aviation Administration

Usage

2.6 miles of bioswale

Notes

The new runway at LAX, being built to handle larger aircraft like the Boeing 787 Dreamliner, is 11,095 feet long and 200 feet wide. Bioswales were installed to remove silt and other pollutants from the surface runoff. The bioswale consisted of 445,000 cubic feet of EcoRain, with each linear foot of bioswale being able to hold 30.57 cubic feet of water.

Some advantages EcoRain has over other underground detention/retention systems is that the EcoRain has about 95% void area and uses much less aggregate than other systems, reducing excavation and increasing storage capacity. This means a better performing system at a lower overall cost.



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