

Hydro SwaleGard®

Inlet Control for Grassy Swales

SwaleGard® is a registered trademark of KriStar Enterprises

Inlet control enhances performance and aesthetics of bioswales

APPLICATIONS

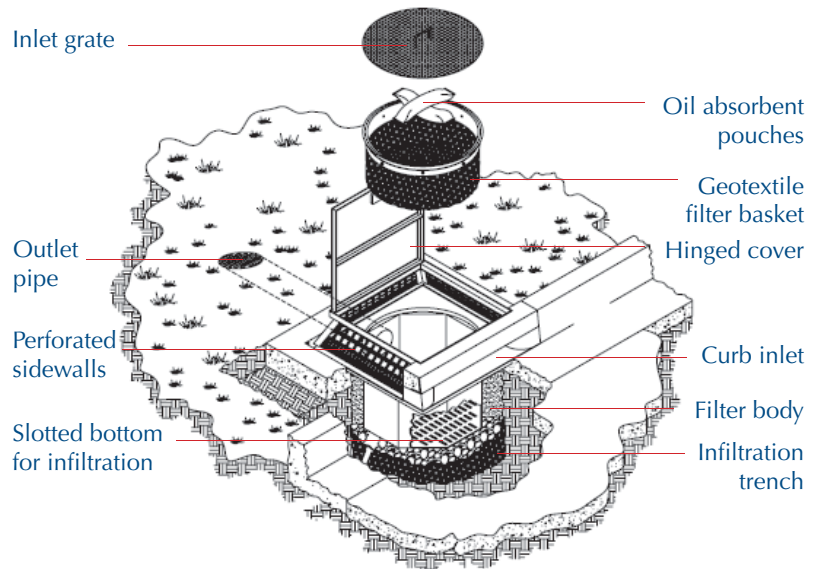
- Infiltration and groundwater recharge
- First flush treatment for parking lots, streets and roadways
- Curbside drainage inlets upstream of swales and bioretention areas
- 24" and 48" wide curb grates
- Sediment, debris and hydrocarbon removal

ADVANTAGES

- Enhances aesthetics and treatment performance of downstream grassy swales
- Collects pollutants at point of entry
- Durable geotextile fabric is easily replaced and maintained
- Built-in high flow bypass prevents back-ups
- Flow to swale never impeded
- Reduces maintenance of swale



The **Hydro SwaleGard** is a self-contained pre-filter designed to collect sediment, debris and petroleum hydrocarbons from highway runoff prior to infiltration.



HOW IT WORKS

Highway runoff is washed into the Hydro SwaleGard via the curbside inlet.

Gross debris and litter are screened by the inlet grate and captured between the hinged lid and perforated side walls.

Runoff flows down through the oil absorbent pouches and geotextile filter basket, which removes coarse sediments and petroleum hydrocarbons.

The filtered effluent percolates through the slotted bottom of the Hydro SwaleGard basket to an infiltration trench. Flows in excess of the infiltration rate are discharged via the outlet pipe.

A built-in high flow bypass ensures that the Hydro SwaleGard will not hydraulically impede peak design flows of highway runoff.

Maintenance

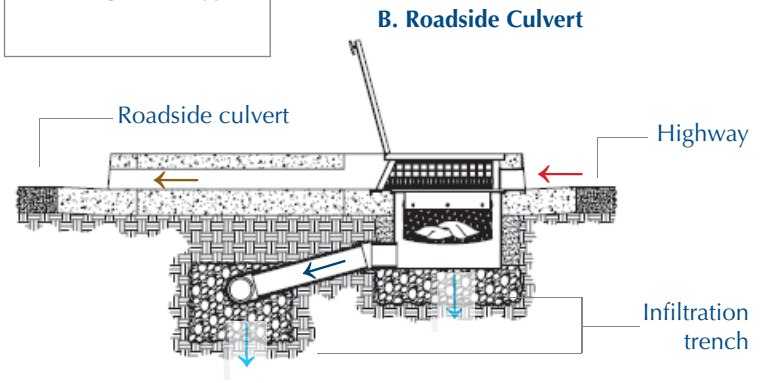
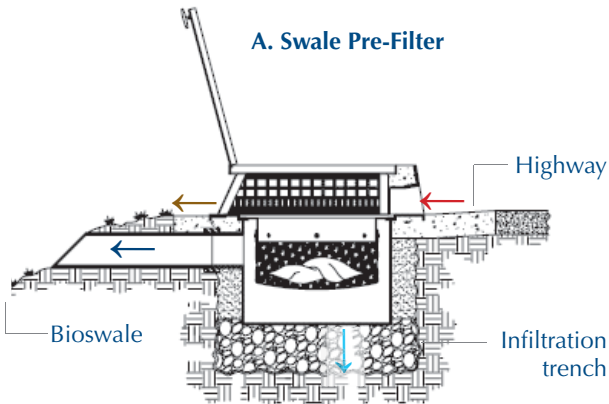
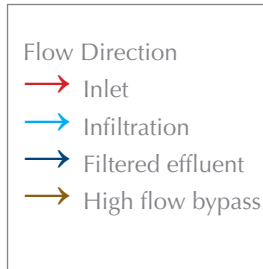
A structured maintenance program is recommended for all Hydro Inlet Control devices. Annual maintenance plans should include:

- 3 system inspections
- 3 **Hydro SwaleGard** cleanings
- 1 change and disposal of filter media and oil absorbent pouches



Configurations

The **Hydro SwaleGard** is available as a Swale Pre-filter model (figure A) or a Roadside Culvert model (figure B).



Sizing

The **Hydro SwaleGard** is available to fit 24" and 48" wide curb cuts. Filtered flow rate is typically 650 gpm (1.45 cfs) per **Hydro SwaleGard**. Contact Hydro International for use within high groundwater areas or in areas with low perk rates.

Hydro SwaleGard® Sizing Chart

Swale Pre-Filter Model	Roadside Culvert Model	Length (in)	Width (in)	Outlet Pipe Diameter (in)
FF-GS24-4	FF-PC24-4	24	36	4
FF-GS24-6	FF-PC24-6	24	36	6
FF-GS48-4	FF-PC48-4	48	60	4
FF-GS48-6	FF-PC48-6	48	60	6



For more information please call our office toll free at 800-848-2706 or inquire at www.hydro-international.biz.



This information is subject to change without notice. Certificate No. 961366