

HydroPlanter™ Flex

Flexible Raingarden System



Building on the enthusiastic reception and adoption of our HydroPlanter modular stormwater bioretention rain garden system throughout the UK, and in response to calls for more extensive rain gardens and flexibility of shape, GreenBlue Urban are excited to launch the worlds first flexible rain garden system - the HydroPlanter Flex!

Overview

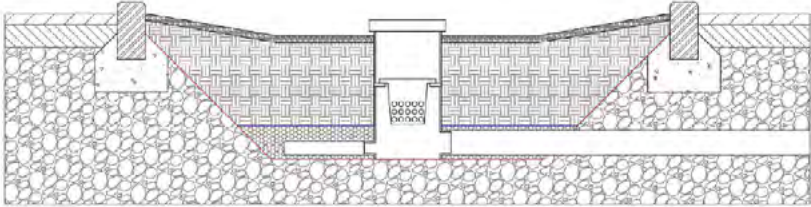
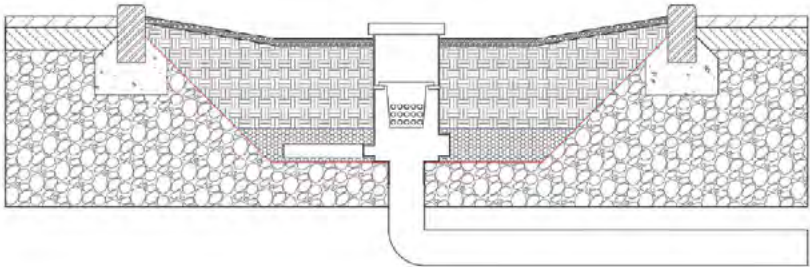
Rain gardens are increasingly chosen as the best method of achieving the 4 pillars of SuDS - water quality, water quantity, amenity, and biodiversity - due to being low cost and highly effective. Simple to retrofit into highways schemes and ideal for new developments of any size, the HydroPlanter Flex cuts the complexity and unknowns out of design and installation, and is the perfect solution for contractors and housebuilders trying to meet local SuDS regulations.

Features

Comprehensive package of components in a single system
Impermeable liner, drainage stone, bioretention soil and pipework included
Exceedance Chamber for overflow and inspection/maintenance
Full design/specification support for architects and drainage/SuDS engineers

Benefits

Supports '4 Pillars of Suds' - water quantity / water quality / amenity / biodiversity
Cuts complexity in design and installation
In-house design and installation support service
Fully modellable

	Code	Description	Unit
Product codes	HPFRGS	HydroPlanter Flex Rain Garden System	Square meter
	HPFECS	HydroPlanter Flex Exceedance Chamber System	Each
	IMJTA	HydroPlanter Flex Joining Tape	Roll
<div> <div>Typical arrangement - horizontal drain</div>  </div>			
<div> <div>Typical arrangement - vertical drain</div>  </div>			
Design / Specification	<p>Drawings of individual components and full typical scenario schemes are available in 2D CAD and PDF formats</p> <p>List of suggested species available for creation of planting schemes</p> <p>Support available throughout the project from masterplanning scheme design through to installation support</p>		
Components	<p>System includes:</p> <ul style="list-style-type: none"> • Impermeable liner system • Drainage stone • Pipework system • Exceedance flow system • Bioretention soils • Stone mulch layer • Media separation membranes 		
Hydraulic performance/ modelling	<p>MicroDrainage Modelling Guidance instruction manual available on request</p> <p>Causeway Flow Modelling Guidance instruction manual available on request</p> <p>HydroPlanter SuDS Calculator (in development) for rainfall modelling predictions</p> <p>Please refer to full HydroPlanter Brochure for hydraulic performance statistics available on request</p>		
Maintenance	Full Maintenance Guide available on request for planted HydroPlanter systems		