



# TREATMENT SOLUTIONS

FOR

**Stormwater,  
Urban Runoff and  
Combined Sewer Overflow  
(CSO) Discharges**

**SiteSaver®**  
STORMWATER TREATMENT SYSTEMS

FreshCreek® is committed to improving water quality and offers the industry's best solutions for removing pollutants from stormwater before they are discharged into rivers, lakes and oceans. FreshCreek's patented treatment solution, SiteSaver®, is a unique hydrodynamic separator that utilizes disposable mesh nets, inclined plate technology and baffles to capture and easily remove trash and debris, floatables, hydrocarbons and sediment from waterways.

## ADVANTAGES

### Proven Performance

- More than 20 years of experience in manufacturing, installing and maintaining netting systems
- U.S. EPA-sponsored netting projects recorded 97% removal efficiencies
- Certified by LARWQCB (Los Angeles Regional Water Quality Control Board) for full capture with 5-mm nets
- NJCAT Verified /NJDEP Certified



### Trusted Technology

- Three dimensional netting technology removes floatables, trash, and debris while providing a larger surface area than traditional two dimensional screens
- Nets can accommodate a larger volume of material and do not need mechanical mechanisms to remove blockages, therefore decreasing maintenance frequency
- Inclined plate settling technology dramatically increases the effective settling area of a physical footprint by creating parallel operating settling cells that overlap and self-clean during flow events

### Quick Installation

- Prefabricated, modular system enables quick installations
- Low capital and installation costs
- On-site supervision available on each project

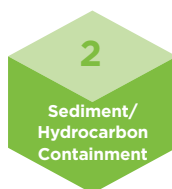
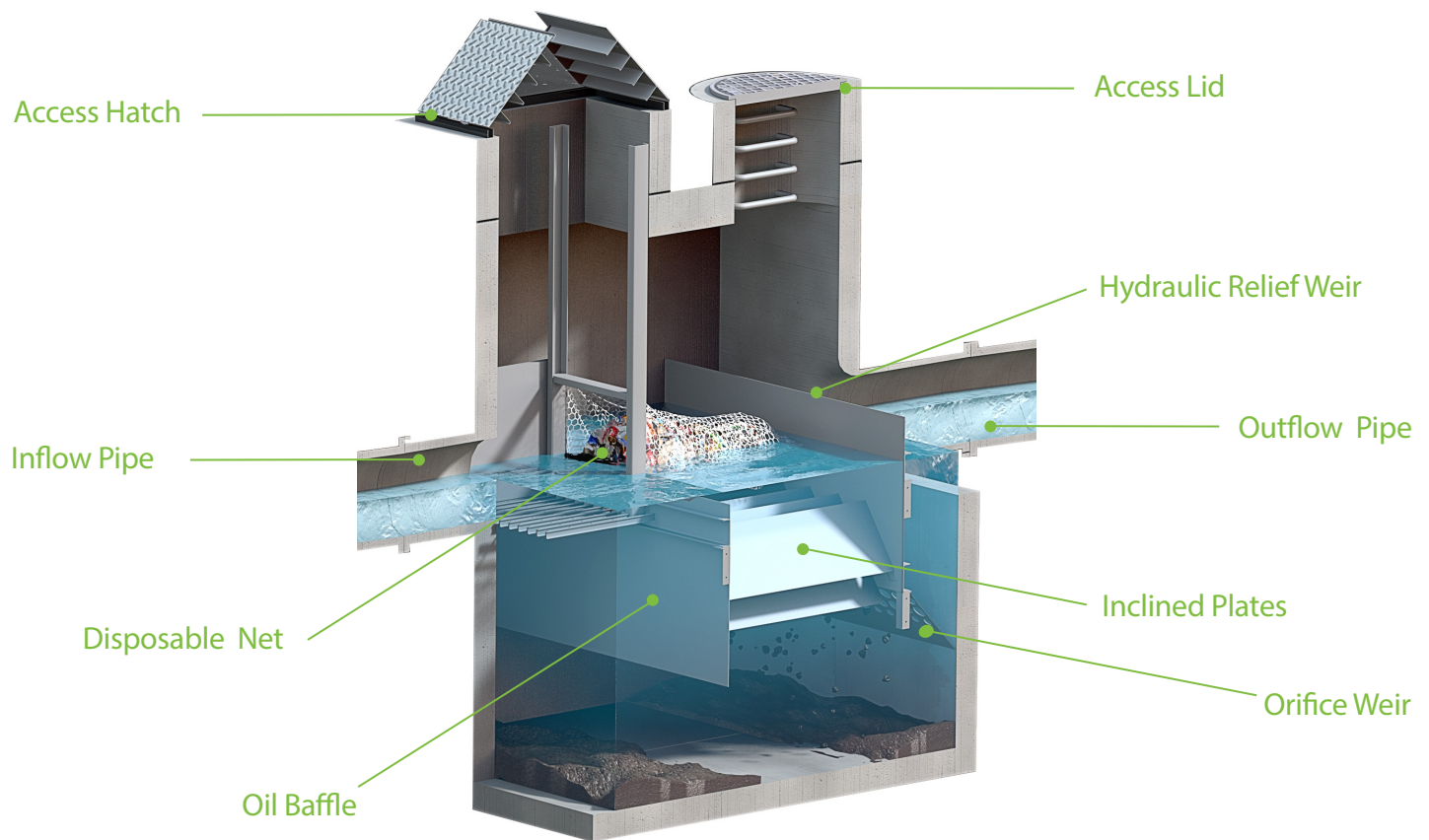
### Efficient Design

- Engineered to meet site-specific requirements, can accommodate any flow
- Internal hydraulic relief prevents flooding while completely containing trash and debris, even when the event exceeds the design flow
- Trash and debris are contained and drain dry reducing further decay and leaching of pollutants into water
- Durable, high-strength precast concrete modules can be easily retrofit into almost any stormwater system
- HS-20 standard loading and can accommodate higher load capacities
- Excels in a variety of markets including residential, commercial, manufacturing and industrial applications

### Easy Maintenance

- Accessible for inspection and maintenance
- No confined space entry is required, as net change-out is done at the surface
- Long service life, with cost-effective maintenance
- Scales can be attached to lifting equipment for easy measurement of debris for environmental permit requirements
- Remote monitoring available through Telnet®

## COMPONENTS

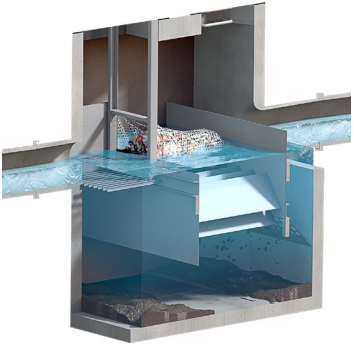


## SYSTEM FUNCTIONALITY

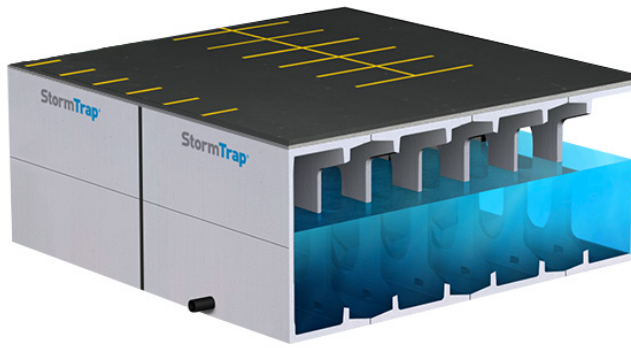
Stormwater enters the SiteSaver through the inlet pipe. The large particles immediately begin to settle and fall to the sedimentation containment area while hydrocarbons are contained in the area between the pipe opening and the inclined plate. Flow energy drives floating debris and trash into the netting component where pollutants are contained. Oil socks can be added to the net to provide additional hydrocarbon treatment. The stormwater, cleansed of debris and hydrocarbons, then begins to travel through the inclined plates where a large effective settling area enhances sedimentation for removal of finer particles. After the water moves through the inclined plates, the clean water is then discharged to the outlet pipe. During an overflow condition, the water crests over the hydraulic relief weir at the end of the inclined plates to prevent upstream flooding and other issues.

## Treatment Train

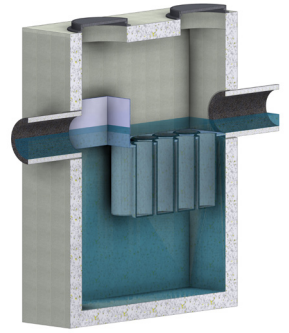
SiteSaver can be utilized as a stand-alone device or work in a treatment train approach as the pre-treatment phase. In a treatment train, it handles a variety of TMDL solutions including: trash, sediments, hydrocarbons, total phosphorus and nitrogen, and heavy metals.



**Pre-Treatment**



**Storage**



**Tertiary Treatment**

## COMPLETE SERVICE



### Design

- Preliminary budget and design with complete set of drawings



### Installation

- Pre-construction meeting and start-up training
- On-site supervision available during installation



### Net Maintenance

FreshCreek can also provide annual maintenance contracts for routine net change-out and disposal

FreshCreek also offers remote monitoring of nets through Telnet®—solar powered telemetry systems remotely monitor capacity of nets

## CONTACT US

Call us today to request your preliminary SiteSaver design and budget.

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**FreshCreek®**