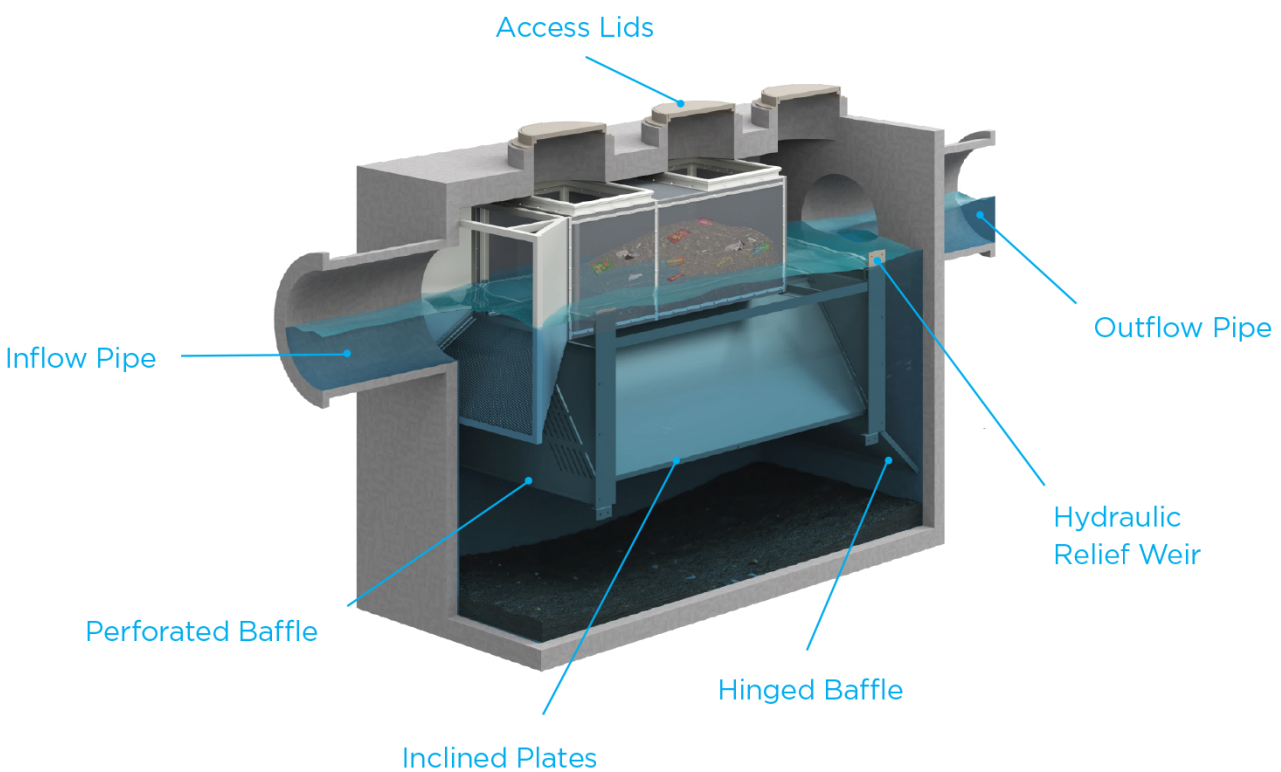
SiteSaver®

SiteSaver® Manufacturer's Inspection and Maintenance Manual (Fixed Baskets)



StormTrap®
MODULAR CONCRETE
STORMWATER MANAGEMENT

SiteSaver® Manufacturer's Instruction Manual

Regular inspections are recommended to ensure that the system is functioning as designed. Please contact your Authorized SiteSaver Representative if you have questions regarding the inspection and maintenance of the SiteSaver system. SiteSaver typically does not require entry into the system for maintenance; however, it is prudent to note that prior to entry into any underground storm sewer or underground structure, appropriate OSHA and local safety regulations and guidelines should be followed.

Inspection Scheduling

The frequency of inspections and maintenance is dependent on-site specific loading conditions and rainfall frequency. Within the first year of operation, it is recommended that the unit be inspected quarterly to determine the rate of pollutant accumulation to develop a more accurate maintenance schedule. SiteSaver systems are recommended for inspection whenever the upstream and downstream catch basins and stormwater pipes of the stormwater collection system are inspected or maintained. This will minimize the cost of the inspection if it is done at the same time. If checked on an annual basis, the inspection should be conducted before the stormwater season begins to ensure that the system is functioning properly for the upcoming storm season.

Inspection Process

Inspections should be done such that a sufficient time has lapsed since the most recent rain event to allow for a static water condition. Visually inspect the system at all manhole and access opening locations. For trash and floatables accumulation, visually inspect the

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screening basket components to determine the basket capacity. Baskets containing only minor quantities of debris may be retained in place. It is recommended to clean the screening baskets when it appears 1/2 - 2/3 full. Failure to remove floatables from the basket will lead to drain down deficiencies, and decrease the long-term functionality of the system.

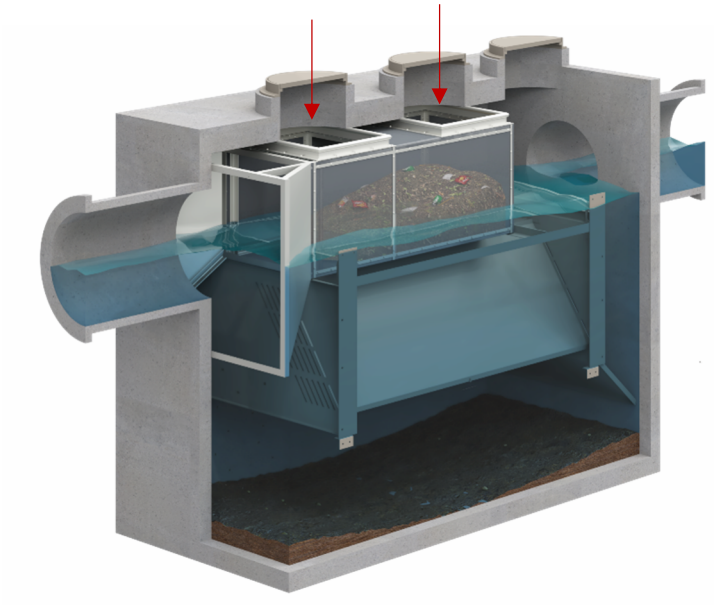
For sediment accumulation, utilize either a sludge sampler or a sediment pole to measure and document the amount of sediment accumulation. To determine the amount of sediment in the system with a sludge sampler follow the manufacturer's instructions. If utilizing a sediment pole, first insert the pole to the top of the sediment layer and record the depth. Then, insert the pole to the bottom of the system and record the depth. The difference in the two measurements corresponds to the amount of sediment in the system. Finally, inspect the inlet pipe opening to ensure that the silt level or any foreign objects are not blocking the pipe.

SiteSaver units can also be installed with remote monitoring technology that measures the current capacity of trash and debris contained within the system and reports the data to any internet device to decrease the number of physical inspections required. If a remote monitoring device is used, proper maintenance of the device, such as replacement of batteries, cleaning sensors, etc. needs to be completed to ensure functionality of the remote monitoring technology.

Maintenance Process – Debris Removal

Maintenance should be done utilizing proper personal protective equipment such as: safety glasses, hard-hat, gloves, first aid kit, etc. Maintenance should occur only when a sufficient time has lapsed since the most recent rain event to allow for a static water condition for the duration of the maintenance process.

For floatable debris removal when a fixed basket is utilized, a vacuum truck, or similar trailer mounted equipment can be used to remove the debris. Remove the manhole covers to access the inside of the basket. Take the vacuum hose and remove all debris from inside of the basket. After the basket has been emptied, ensure to replace the manhole covers.

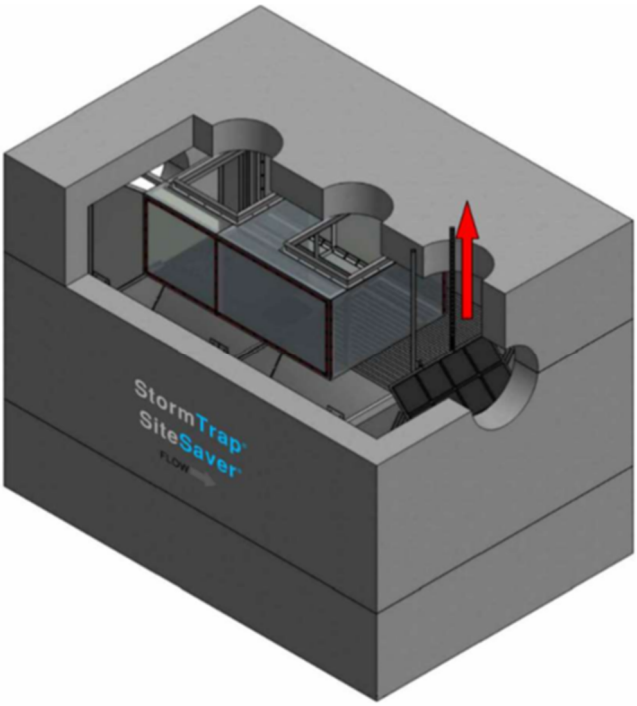


Maintenance Process – Oil Mat

For removal of the oil sorbing mat, remove the downstream manhole cover. Draw up the oil mat along the permanently affixed strut channel rails by pulling on the attached tether. The mat will fold to allow for passage through the access opening. Remove the used mats from the connection point to the strut channel. Once the new oil mats are attached, place the strut channel trolleys back respective channels, using the tether to lower the oil mat back into the SiteSaver.

Reattach the tether to the eye hook just below the manhole cover. If sediment removal is required, it should be done prior to reinstalling the oil mat assembly.

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Maintenance Process – Sediment Removal

For sediment removal, the SiteSaver is designed with clear access at both the inlet and outlet. A vacuum truck, or similar trailer mounted equipment, can be used to remove the sediment, hydrocarbons, and water within the unit. For more effective removal, it is recommended to use sewer jetting equipment or a spray lance to force the sediment to the vacuum hose. When the floor is sufficiently cleaned, fill the system back to its normal water elevation (to the pipe inverts).

Maintenance Process – Clean Up, Disposal, and Documentation

Complete a post maintenance inspection to ensure that all components have been replaced and are properly secured within the SiteSaver device. It is good practice to take time stamped photographs after every maintenance event to include within maintenance logs. After

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verifying all components, secure the access openings and ensure proper disposal of all pollutants removed during maintenance per local, state, and federal guidelines.

Proof of inspections and maintenance is the responsibility of the owner. All inspection reports and data should be kept on site or at a location where they will be accessible for years in the future. Some municipalities require these inspection and cleaning reports to be forwarded to the proper governmental permitting agency on an annual basis. Refer to your local and national regulations for any additional maintenance requirements and schedules not contained herein. Inspections should be a part of the standard operating procedure. It is good practice to keep records of rainfall events between maintenance events and the weight of material removed, even if no report is required.

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