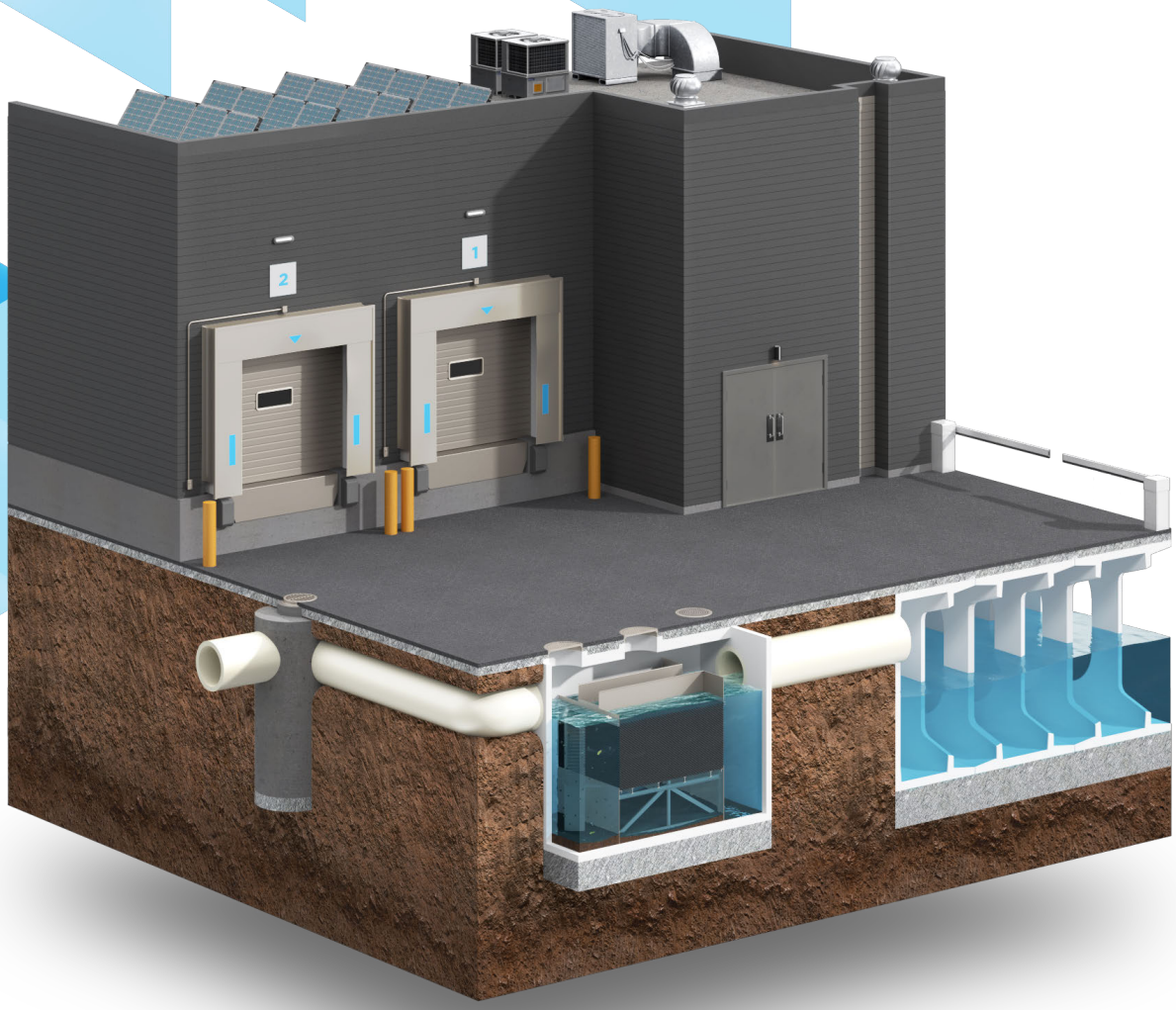
StormTrap®

MODULAR CONCRETE
STORMWATER MANAGEMENT



SurgeSettler™

HIGH-FLOW TREATMENT SOLUTIONS

FOR STORMWATER, URBAN RUNOFF, AND COMBINED SEWER OVERFLOW (CSO) DISCHARGES

StormTrap® is committed to improving water quality with innovative solutions that help remove pollutants from stormwater before discharge. SurgeSettler™ is a high-performance water quality treatment device designed for high-flow stormwater applications. Built to treat large stormwater flows within a single structure, SurgeSettler uses enhanced settling pack technology to remove sediment during significant storm events, making it ideal for large-scale developments.

ADVANTAGES

Proven Performance

Independently tested and industry verified, SurgeSettler delivers certified treatment for high-flow water quality applications.

NJDEP certified configurations available

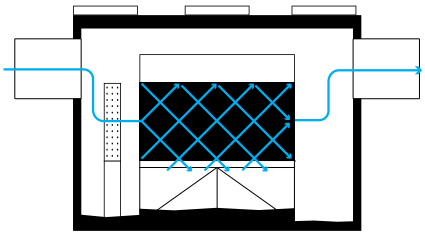
NJCAT verified test data

SurgeSettler Model	WQF (cfs) NJDEP 50%	WQF (cfs) NJCAT OK-110 80%	Sump Depth (ft) Pipe Invert to System Invert
6 x 14	8.32	6.82	6.67
8 x 21	16.63	13.64	6.67
10 x 21	20.79	17.05	6.67
12 x 24	28.51	23.38	12.5
12 x 32	38.01	31.18	13.5

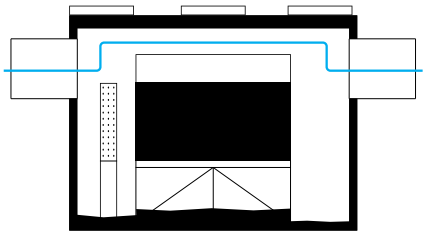
Contact StormTrap for 90-degree orientation options.

Trusted Technology

SurgeSettler utilizes flow modifiers and a honeycomb-shaped enhanced settling pack to increase internal surface area, reduce settling distance, and direct water through a controlled treatment path that promotes faster sedimentation and particle capture.



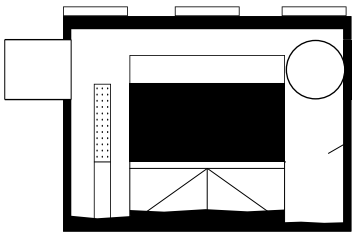
Internal flow controls help distribute incoming stormwater evenly through the treatment zone.



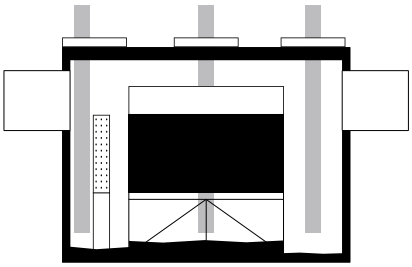
NJDEP certified configurations support online use with minimal scour during peak flow conditions.

Efficient Design

With low headloss and high pipe entry and exit elevations, SurgeSettler performs effectively in high-groundwater conditions while maximizing the height and efficiency of downstream detention systems.



Flexible inlet configurations support side-entry, angled, and 90-degree pipe orientations.

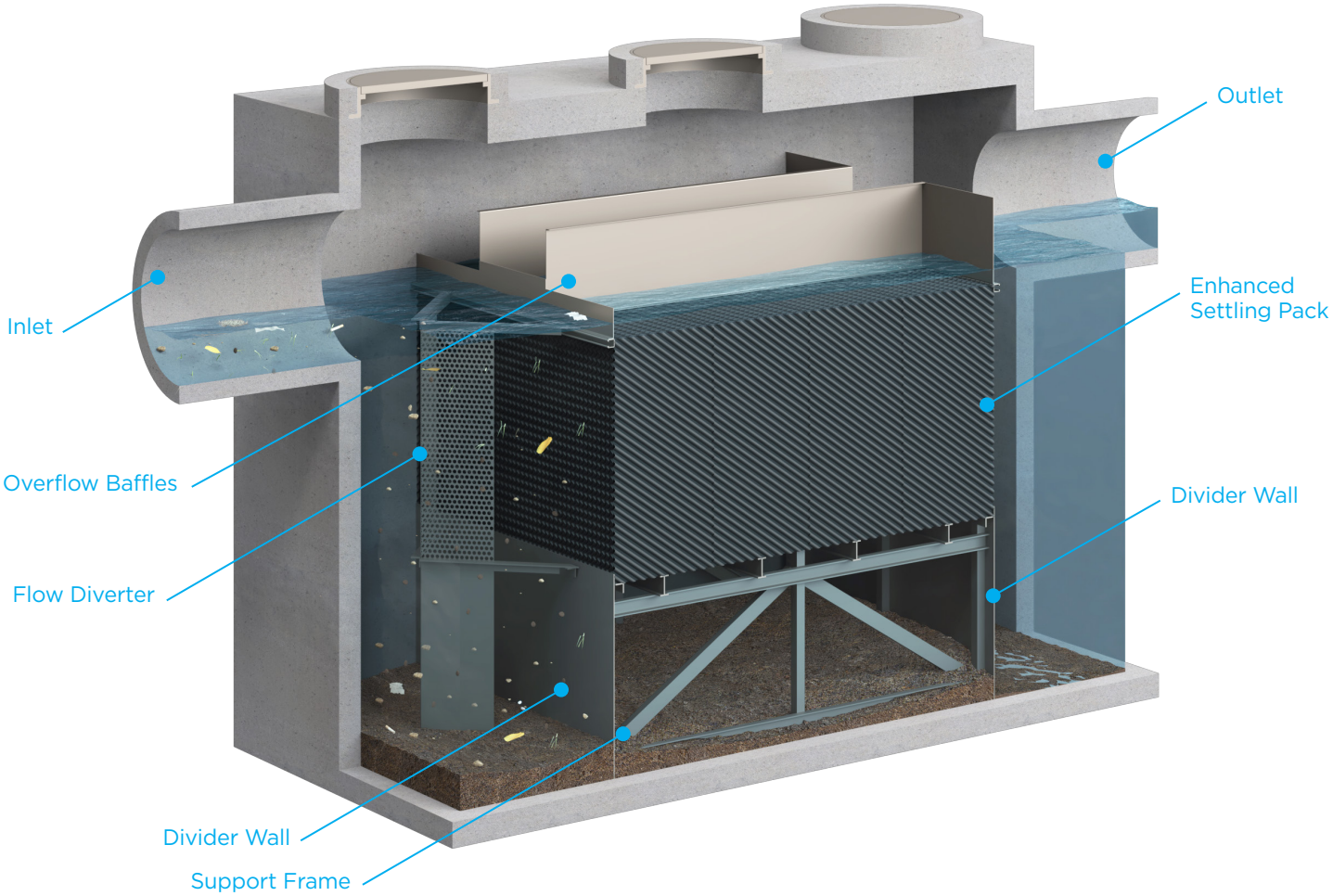


Maintenance-friendly access to the forebay and outlet bay, including a dedicated 2' x 2' opening through the center of the settling pack.

SurgeSettler™

COMPONENTS & TREATMENT PROCESS

Removes sediment and heavy debris in high-flow stormwater applications.



1. Water Enters SurgeSettler
2. Flow Distribution
3. Enhanced Settling
4. Sediment Retention
5. Treated Water Exits

As stormwater enters SurgeSettler, internal flow-control components help manage velocity and distribute flow through the honeycomb-shaped enhanced settling pack. The settling pack increases treatment surface area and shortens settling distance, promoting sedimentation and directing captured particles into the sump area for retention. Treated water is then conveyed through the outlet, while higher flows are managed through the unit's internal bypass pathway to help maintain hydraulic performance upstream.

Designed with flexibility to support site-specific requirements

COMPLETE SERVICE

Continuing Education

Learn how StormTrap's innovative stormwater solutions can support your next project while earning PDH credits.

Design

Our experienced stormwater professionals will create a customized design and budget with a complete set of drawings for your next project.

Specifications

Download our product guide specifications to easily integrate StormTrap's products into your plans.

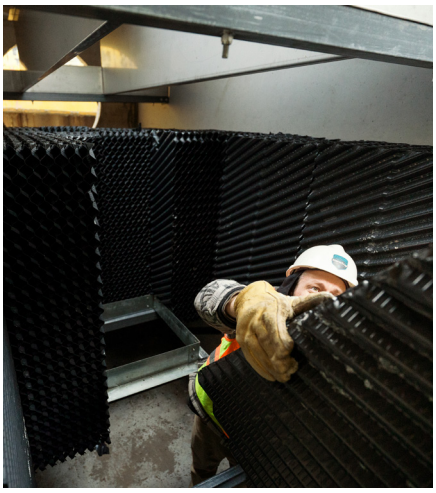
Installation

We offer a pre-construction meeting and start-up training, with on-site supervision available during installation.

Maintenance

StormTrap offers operation and maintenance (O&M) manuals that provide owners with routine maintenance guidelines and procedures, as well as hands-on training for maintenance contractors. Inspection and maintenance can be performed without entering the unit, supporting efficient long-term operation of the SurgeSettler system.







StormTrap

PHONE 877 867 6872
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Solve your next high-flow treatment challenge with SurgeSettler!