



The RETAIN-IT™ Stormwater Management System (SMS) is a versatile and efficient stormwater solution for managing urban runoff. The modular design features 8' x 8' precast concrete units with internal heights of 1.5–5'. Having one size module makes it incredibly simple to layout and design.

RETAIN-IT™ modules can be stacked up to 10' to maximize storage and minimize footprint. Installation is faster and more efficient than other concrete options. The consistent module size simplifies the construction process and planning so that each module can be set within only a few minutes. With a small footprint and light pick weight, modules can typically be set directly from the truck without the need for a crane.

RETAIN-IT™ modules can be customized to incorporate outlet control structures and water quality features such as sediment forebays and sand filters. Let our technical staff assist in creating an all-inclusive, cost-effective treatment train solution.



KEY FEATURES

Design Flexibility

Applications include retention, detention, rainwater harvesting (lined), sites with high water table conditions and sites containing space and utility restrictions

Light and Maneuverable

Typically set without the need of a crane, the 8' x 8' module size allows for a fast, cost-efficient installation while reducing the risk of damage during placement.

Shallow Cover and Deep Burial

Reinforced precast concrete system allows for as little as 6" of cover with no stone backfill required along the sides. Our robust structural steel design allows for a wide range of deep cover scenarios. Additionally, RETAIN-IT™ provides superior protection against significant static soil loads causing foot penetration into the stone foundation.

Minimized Foundation Stone

The superior design reduces static pressures at the foot. This results in less stone foundation required even on weaker/low bearing capacity soils. Our competitors have double the surface load on the same contact area of the foot that can penetrate the stone foundation risking the structural integrity.

Structural Independence

Each module is self-supporting and does not rely on adjacent modules for structural integrity, resisting differential, lateral, and seismic loads.

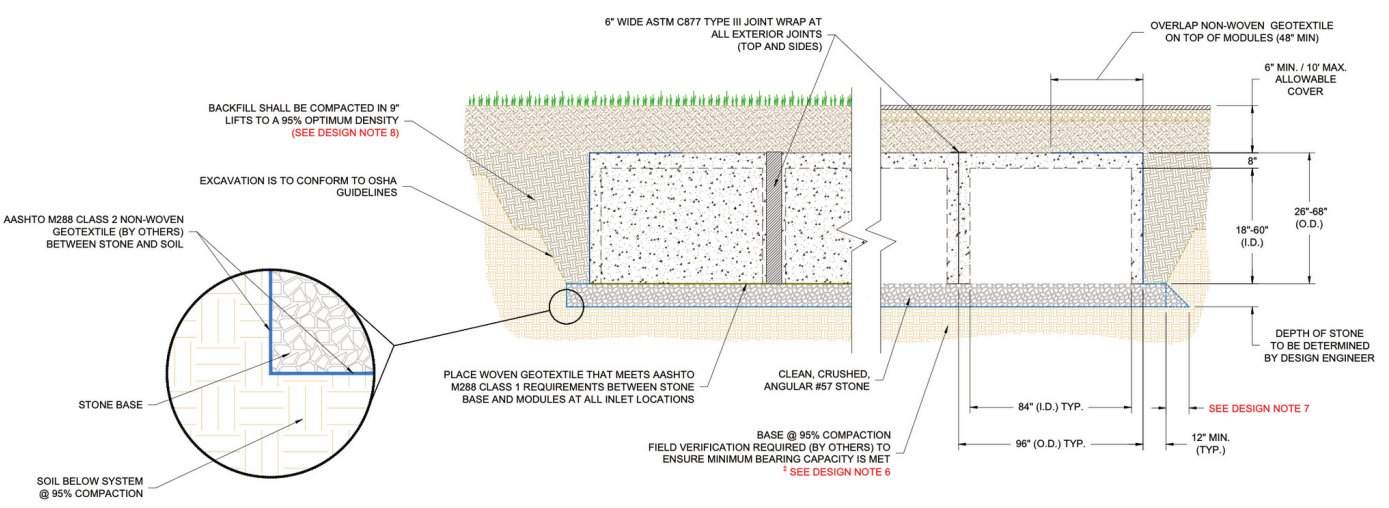
Perimeter Backfill

No stone backfill is required on the perimeter of RETAIN-IT™ SMS's, allowing for backfill with the excavated in-situ material, saving time and money.

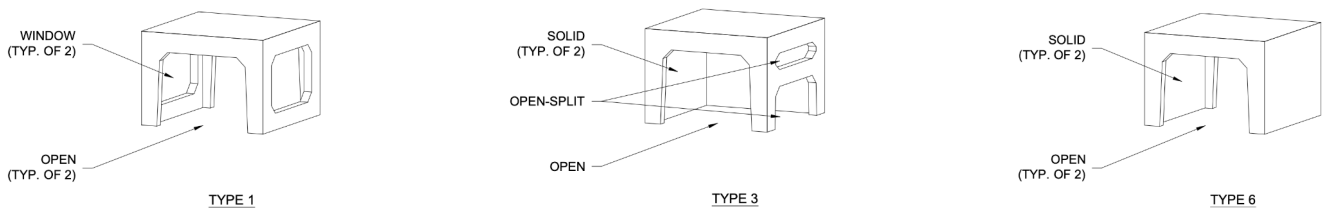
Technical Support

RETAIN-IT™ is committed to providing expert, timely technical support and customer service to our engineering and construction partners, ensuring a successful project.

General Detail



Select Types Select types or configurations shown below. Contact us for an expanded selection.



- Simplistic design and small footprint allowing for rapid install.
- Most units can be installed without the need of a crane.
- Many available types and configurations to accomplish detention, retention, and infiltration

Internal Heights	External Heights	Avg. Weight (Lbs)
1.5'	2.17'	9,100
2'	2.67'	10,100
2.5'	3.17'	11,075
3'	3.67'	11,850
3.5'	4.17'	12,600
4'	4.67'	13,360
4.5'	5.17'	14,110
5'	5.67'	14,860

All modules are 8'x8' and internal dimensions vary.

Example Configurations

