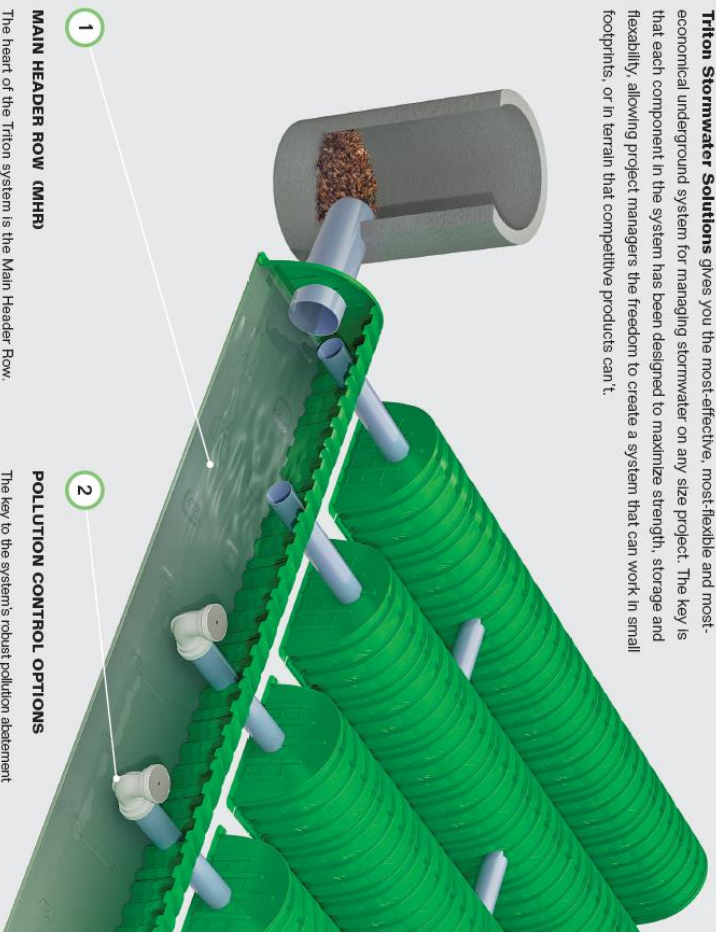




THE **BEST** BY **DESIGN**

Triton Stormwater Chambers — The Best By Design

Triton Stormwater Solutions gives you the most-effective, most-flexible and most-economical underground system for managing stormwater on any size project. The key is that each component in the system has been designed to maximize strength, storage and flexibility, allowing project managers the freedom to create a system that can work in small footprints, or in terrain that competitive products can't.



MAIN HEADER ROW (MHR)

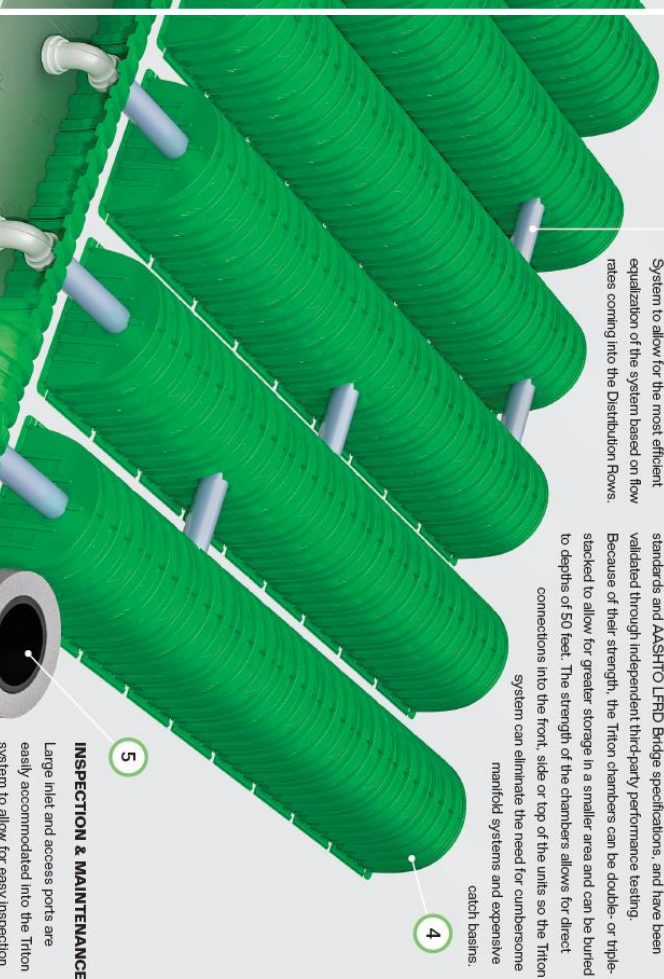
The heart of the Triton system is the Main Header Row. Working as a collection point and management center for incoming stormwater runoff, the Main Header Row allows sediments to be captured onto Triton's patented Sediment Chamber Rows. Intelligently designed, it can work in conjunction with a variety of catch basin pre-treatment devices if required. It can also completely eliminate the need for a manhole altogether, as our chambers are strong enough to take a direct connection into the front, top side of the Chamber!

POLLUTION CONTROL OPTIONS

The key to the system's robust pollution abatement is twofold. First, the Main Header Row will allow the sediment to settle out as the water from the inlet manhole rises to the connecting pipe inverts. Then, once the water is inside the Main Header Row the Triton-designed Elbow and Filter Puck system gives designers the ability to use any type of filtration media (Zeolite, Granular Activated Carbon (GAC), Matalzob etc.). This flexibility allows the user to target a wide range of common contaminants before the water is sent to the distribution chambers. The water in the distribution (storage) chambers then leaches back through the soil to recharge aquifers just as it would in nature. If a liner is used with the system, the water can be used for landscape irrigation, toilets or for wet fire suppression systems. (The image above shows three different options: Connecting pipes without the Elbows, with Elbows and Filter Pucks pointing up, and the Connecting pipes with the Elbows and Filter Pucks pointing down.)

EFFICIENT EQUALIZATION
Any number of Equalization Pipes can be placed anywhere within the Triton System to allow for the most efficient equalization of the system based on flow rates coming into the Distribution Rows.

STRENGTH, STORAGE & FLEXIBILITY
Triton chamber systems are the strongest in the market. The Triton products were designed to exceed the ASTM F2418, F2787, F2922 standards and AASHTO LRFD Bridge specifications, and have been validated through independent third-party performance testing. Because of their strength, the Triton chambers can be double- or triple-stacked to allow for greater storage in a smaller area and can be buried to depths of 50 feet. The strength of the chambers allows for direct connections into the front, side or top of the units so the Triton system can eliminate the need for cumbersome manifold systems and expensive catch basins.



INSPECTION & MAINTENANCE

Large inlet and access ports are easily accommodated into the Triton system to allow for easy inspection and clean-out, and can be placed virtually anywhere in the system per the engineer's requirements.

The access pipes can be PVC or dual-wall corrugated pipe that sits inside a concrete top slab with a frame and lid. Refer to the Triton Details found on the Downloads page of the Triton website for full details.

SEDIMENT CONTROL

Sediment sumps can be incorporated into the system to help act as a collection point for sediment and debris. These sumps provide a location for sediment trapped within the Main Header Row to backwash into, as well as helping to expedite cleaning via a Jet Vac Truck during the maintenance phase.



MIN CHAMBER WIDTH (see table)
MIN CHAMBER SPACING (see table)
MIN CHAMBER SPACING (see table)

CHAMBER WIDTH (see table)
MIN CHAMBER SPACING (see table)

MIN CHAMBER SPACING (see table)

Superior Stormwater Management Solutions

Triton Stormwater Solutions is the premier provider of underground stormwater management systems. As the need to effectively manage stormwater has become a paramount issue around the world, it is essential to work with a company that has a customer-service-minded business approach. At Triton, we have the experience to ensure successful results by providing superior products and service.

LIGHTER

- 46% lighter per cubic foot of storage
- Chambers weigh just 32 pounds – a fraction of what the competition weighs
- Nest easily for ease of shipping and carrying

FLEXIBLE

- Modular system can be adapted to fit small drain fields
- Can be used with or without catch basins and manifolds
- Double- or triple-stack capability proven since 2007
- Inline or perpendicular Main Header Row for inflow management

STRONGER

- Exceeds ASHTO LFRD Bridge Design Spec 1
- 48,000-pound single-axle load-bearing capacity
- Bury up to 50' deep
- H-30 Load Rating
- Designed to exceed ASTM F2418, F2787, F2922 standard and AASHTO LRFD Bridge specifications; all validated through third-party performance testing

GREENER

- Eco-friendly soy-based construction
- Carbon-neutral product
- Can achieve up to 18 LEED credits
- Lightweight and easily nested chambers save fuel in shipping
- Filter options to target specific pollutants

COST EFFECTIVE

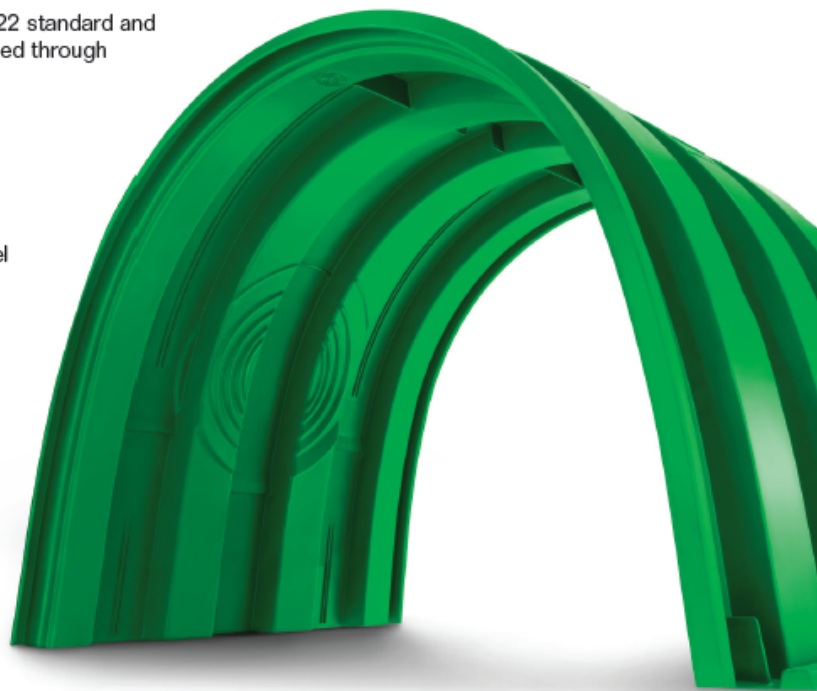
- Lower shipping costs
- Fewer man-hours per cubic foot to install
- Soy-resin based – more stable pricing than competitors
- 120-year lifespan
- Less stone required
- Direct connections to top, front and side eliminate manifold systems and catch basins

EASIER TO INSTALL

- Lightweight – allows one-person installation
- Three chambers can be installed in less than eight seconds
- Engineered connection allows easy placement of chamber sections
- Direct connections to top, front and side
- Requires less stone and geofabric than competitive systems

L.E.E.D. CERTIFICATION

Note: Because of its eco-friendly attributes, Triton chambers can help a project achieve up to 18 credits from the Leadership in Energy and Environmental Design (LEED) Green Building Rating System. [Sustainable Sites – 5 credits; Water Efficiency – 5 credits; Materials and Resources – 4 credits; Innovation and Design process – 4 credits; Carbon neutrality – 3 credits].



Installations that tell our story

The key to Triton's effectiveness lies in a patented, ultra-efficient chamber design coupled with the use of advanced, earth-friendly soy-based composites that create a strong, lightweight product. This gives developers a flexibility that competitive products and traditional approaches simply cannot match:

Triton chambers have a composite compressive strength of 30,457 psi – 2 ½ times greater than other makers.

Triton chambers can be buried to 50' and boast an H-30 load rating.

They exceed the 50-year ASTM F2418 CREEP modulus with a safety factor five times greater than traditional choices, even when tested at 20 times the required load.

Our products also have a 120-year lifespan.

Because of this, Triton Stormwater Solutions' chambers are ideal for a wide variety of installations

RETAIL DEVELOPMENT SOLUTIONS:

Ace Hardware, Bloomingdale, FL

A great advantage of underground stormwater systems is the ability to fully utilize the land above. In this case, the store's parking lot was placed directly above the stormwater system, utilizing the Triton chambers' strength and the developers' vision for maximizing space.

The design of the system gives ample protection in heavy rainfall events, and the Main Header Row's sediment collection will pay maintenance dividends well into the future.



COMMERCIAL DEVELOPMENT SOLUTIONS:

Toronto Retail Center

Engineers for Terrafox Geosynthetics needed a high-volume, high-strength underground stormwater system to support a 600,000 square-foot retail center in Toronto. Additionally, site restrictions and existing infrastructure dictated that the chambers be strong enough to be buried at a depth of 24 feet and matched up to an existing inlet pipe. Triton met all criteria and stored 22,000 cubic meters in just a 20m x 70m area.

INDUSTRIAL DEVELOPMENT SOLUTIONS:

Arena Expansion

Developers needed to replace an existing stormwater pond with an underground system to better utilize surface space for parking. The Triton system allowed the project team to store 1,500 cubic meters of stormwater under the new parking lot while working around the existing infrastructure in a customized drain field and accepting runoff from several inlet points.





AIRPORT DEVELOPMENT SOLUTIONS: Duluth International Airport

A new terminal at Duluth International Airport built on 13 acres of impervious surface created the need for a robust and easily maintained stormwater management system; one that could handle the runoff that includes de-icing chemicals and protect the area's environment. The development team was able to create 32,000 cubic feet of storage in a 200' x 85' trench. The system saved land and helped to eliminate the hazards associated with above-ground retention ponds.

AUTOMOTIVE DEALERSHIP SOLUTIONS: Luther Brookdale Chevrolet

Luther Brookdale Chevrolet needed a proven stormwater management solution to support a complete upgrade and expansion of their facility. Because parking lot space is critical to the dealership's success, an underground system that maximizes all available surface space was mandatory. The system also had to meet stringent local regulations for 10-year and 100-year storm events – which called on Triton's impressive storage capacity; 18,100 cubic feet in just 6,760 sq. feet!



MUNICIPALITY/GOVERNMENT SOLUTIONS: St. Cloud Civic Center

The City of St. Cloud, Minnesota, needed a robust underground stormwater system to support the expansion of its civic center – a project that would create three acres of impervious surface, but had a limited 36' x 140' storage area. To get the needed storage in such a tight space, developers relied on Triton chambers' strength and capacity – designing a double-stacked system to essentially double the storage without expanding the drain field!

URBAN DEVELOPMENT SOLUTIONS: Metro Transit Station

When Metro Transit of Minneapolis/St. Paul needed to expand its Hiawatha Line operations and maintenance facility, they needed additional stormwater management capacity – a big challenge given the site's constraints. Ultimately, designers chose a Triton double-stacked system with a maintenance-saving Main Header Row with cleaning port. More than 10,200 cubic feet of storage was created in just 2,837 square feet.





TOUGH GEOGRAPHY SOLUTIONS:

University of St. Thomas, St. Paul, MN

Stormwater management needed to be done at two separate locations to support the construction of an 180,000-square-foot athletic facility. Triton Stormwater Solutions' chambers created more than 41,000 cubic feet of storage – draining 145,000 square feet at the south site and 16,300 square feet at the east site. The Triton SWS chambers' unrivaled storage capacity, and the system's design flexibility were key to the project's success.

UNIVERSITY DEVELOPMENT SOLUTIONS:

Ingalls Mall, University of Michigan, Ann Arbor, MI

Stormwater management was a critical requirement of the renovation of the University of Michigan's historic Ingalls Mall. Triton SWS was chosen and a system was designed to store over 21,000 cubic feet of stormwater without altering the traditional layout of the area. Another unique feature was a high voltage duct bank that had to be worked around – highlighting the Triton Stormwater Solutions chambers' modular design flexibility.



Support from Design to Installation

Triton Stormwater Solutions does not simply sell underground stormwater chambers – we work hand in hand with leading civil engineering firms, developers and contractors from around the globe to design and create world-class stormwater systems. We are committed to working together to solve challenges and create innovative ways to preserve existing features, protect land and water resources – and keep projects on time and on budget.

We believe in consultative sales and our engineering department is ready to work with project leaders to find the most efficient solutions at all phases of a development.









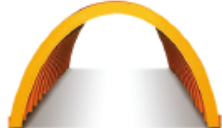


**When you need
world-class stormwater
management, rely on
Triton Stormwater
Solutions to give you
Power Over Water!**

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GOING **green.**



		VS Competitor
COMPRESSIVE STRENGTH	 <p>30,457 PSI (More than 2X Stronger)</p>	 <p>7,981-12,000 PSI</p>
LOAD RATING	<p>H-30 (The Only Chamber System H-30 Rated)</p>	<p>H-20</p>
INSTALLATION CAPABILITIES	 <p>Double or Triple Stack</p> <p>Bury 50 Ft.</p> 	 <p>Single Stack Only</p> <p>12 Ft. Max.</p> 
CAPACITY S29 vs. SC740 46% Larger and Lighter than Competitor	 <p>9.96 ft.³ / Linear Ft. 32 Lbs.</p>	 <p>6.4 ft.³ / Linear Ft. 74 Lbs.</p>



5/1/17



LIFETIME SYSTEM WARRANTY

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