

Underground Stormwater Chambers

StormTech® Subsurface Stormwater Management

The advanced design of StormTech's chambers allows stormwater professionals to create more profitable, environmentally sound installations. Compared with other subsurface systems, StormTech's innovative chambers offer lower overall installed costs, superior design flexibility and enhanced long-term performance.

Superior Design Flexibility for Optimal Land Use

StormTech® chambers are ideal for commercial, municipal and residential applications. One of the key advantages of the StormTech® chamber system is design flexibility. StormTech® chambers can be configured into beds or trenches, in centralized or decentralized layouts to fit on nearly any site.

Product Features and Benefits:

The advanced features and innovative technology of StormTech® chambers streamline installations while lowering overall installed costs. StormTech® chambers offer these unique advantages:

- Lightweight, two people can install chambers quickly and easily, saving time and money
- Extensive product research & development and rigorous testing ensure long term reliability and performance
- Versatile product design accommodates a wide range of site constraints with cost-effective system designs
- The chamber length can be cut in 6.5" increments—reducing waste and optimizing the use of available space
- Injection molded polypropylene ensures precise control of wall thickness and product consistency
- Isolator Row – a patent pending technique to inexpensively enhance total suspended solids (TSS) removal and provide easy access for inspection and maintenance
- Corrugated Arch Design – a proven geometry for structural integrity under H-20 live loads and deep burial loads, also provides high storage capacity



Chamber Shown With End Cap



Isolator Row Technique Used To Enhance Total Suspended Solids (TSS) Removal and Provide Easy Access for Inspection and Maintenance.



Chambers Must Be A Minimu of 6" Apart



Lightweight Chambers Can Be Easily Installed By Two People

Detention-Retention-Recharge

The StormTech® SC-740 chamber optimizes storage volumes in relatively small footprints by providing 2.2 ft³/ft² (0.67 m³/m²) (minimum) of storage. This can decrease excavation, backfill and associated costs. The StormTech SC-310 chamber is ideal for systems requiring low-rise and wide-span solutions. The chamber allows the storage of large volumes, 1.3 ft³/ft² (0.4 m³/m²) (minimum), at minimum depths.

Nominal Chamber Specifications

SIZE L x W x H	CHAMBER STORAGE	MIN. INSTALLED STORAGE	WEIGHT
STORMTECH® SC-740 CHAMBER			
85.4" x 51.0" x 30.0"	45.9 ft ³	74.9 ft ³	74.0 lbs.
STORMTECH® SC-310 CHAMBER			
85.4" x 34.0" x 16.0"	14.7 ft ³	31.0 ft ³	37.0 lbs

Advanced Structural Performance for Greater Long-Term Reliability



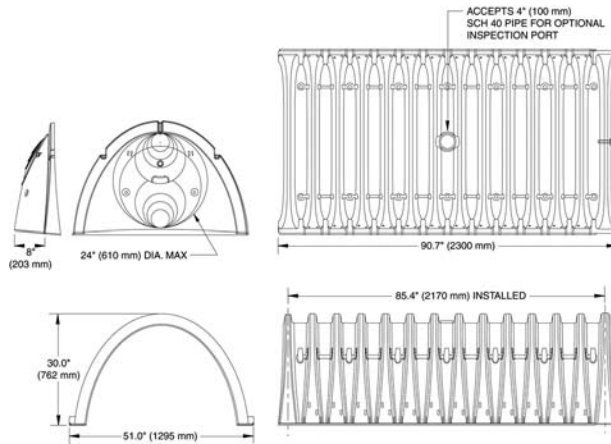
StormTech® developed a state of the art chamber design through:

- Collaboration with world-renowned experts of buried drainage structures to develop and evaluate the structural testing program and product design
- Designing chambers to exceed American Association of State Highway and Transportation Officials (AASHTO) LRFD design specifications for HS-20 live loads and deep burial earth loads
- Subjecting the chambers to rigorous full scale testing, under severe loading conditions to verify the AASHTO safety factors for live load and deep burial applications

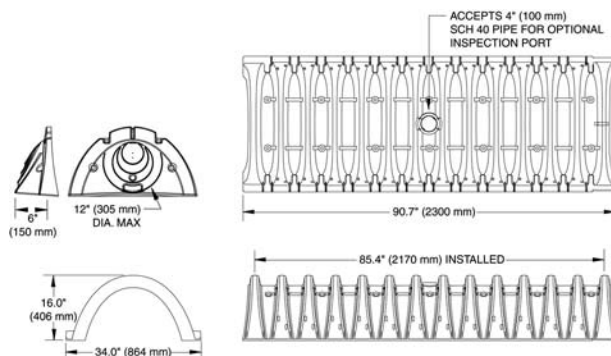
StormTech® continues to conduct research and consult with outside experts to meet customer needs for alternative backfill materials, designs for special loadings and other technical solutions.

Technical Assistance

E. J. Prescott's technical support staff is available to provide assistance to engineers, contractors and developers. Please contact your local Team EJP sales office to discuss your particular application. A wide variety of technical support material is available in print, electronic media or from StormTech's website at www.stormtech.com.



StormTech™ SC-740 Chamber



StormTech™ SC-310 Chamber