



## CASE STUDY:

### LEINENKUGEL 10<sup>TH</sup> STREET BREWERY

The Leinenkugel plant in Milwaukee, Wisconsin, took on a \$50 million project to expand the 10th Street Brewery. The goal of the expansion was to enlarge both the brewhouse and the tank cellar, with the expectation of growing operations and multiplying the number of local jobs.

Leinenkugel enlisted the help of a well-known engineering firm that had designed expansions for other breweries: Systems Design Engineering, Inc. (SDEI). Similarly, SDEI knew the site plan would require significant stormwater storage and reached out to their trusted partner, StormTank.

The StormTank team collaborated with SDEI to draft system design options, assisted the designer in locating an impermeable liner that would provide maximum storage capacity, and provided a local distributor contact. The distributor, American Infrastructure, Inc., sold the material and assisted with the StormTank Module system installation by providing on-site support during the construction phase.

Successfully installed in August 2017, the StormTank Module system offered a large amount of void space and load-bearing capacity to support the Leinenkugel expansion. These features ultimately enabled the brewer to expand operations and meet growing demands... Cheers!



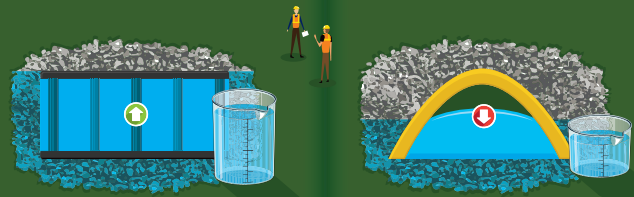
Traditional  
Arch Systems



**MORE** Design Flexibility than Traditional Arch Systems



**LESS** Material than Traditional Arch Systems



**MORE** Storage than Traditional Arch Systems

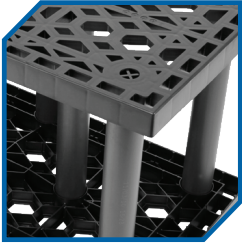


	\$\$	MATERIAL & LABOR	\$	✓
✓	\$	EXCAVATION	\$\$	
✓	\$	BACKFILL	\$\$	
	\$	<b>TOTAL</b>	<b>\$\$</b>	

**LOWER** Total Cost than Traditional Arch Systems

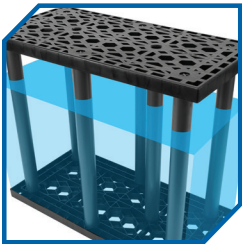
# THE MODULE

The StormTank Module is a subsurface stormwater storage unit load-rated for use under surfaces such as parking lots, athletic fields, and parks. Its design provides maximum storage while minimizing the installation footprint to reduce construction costs and allow for utilization of valuable land. The Module is commonly used for detention, infiltration, and rainwater harvesting applications but can also be utilized for flood mitigation and bio-retention.



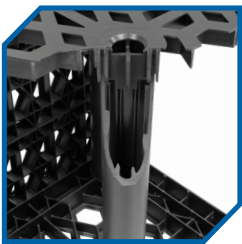
## TOP & BOTTOM PANELS

The Module's top and bottom panels are injection molded from polypropylene. They are engineered for strength and uniformly distribute load to the columns.



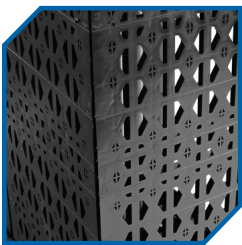
## HIGH VOID SPACE

The Module offers up to the largest void space of any subsurface stormwater management system currently on the market, with models providing as much as 97 percent.



## REINFORCED COLUMNS

Extruded from PVC and designed with reinforcing structural ribs, the Module's columns maximize strength. System stackability and variable column height accommodate tight site constraints.



## SIDE PANELS

Side panels are used around the perimeter of the Module system to prevent fill material from entering and are injection molded from polypropylene.



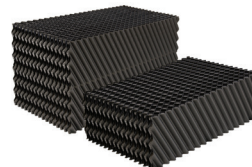
Height	Nominal Void Space
18 in (457 mm)	95.5%
24 in (610 mm)	96.0%
30 in (762 mm)	96.5%
33 in (838 mm)	96.9%
36 in (914 mm)	97.0%

## ADDITIONAL STORMTANK PRODUCTS



### THE SHIELD

The Stormtank Shield provides a low-cost solution for stormwater pretreatment by reducing pollutant discharge.



### THE PACK

The Stormtank Pack is the light-duty solution for subsurface stormwater management.