

SUSTAINABLE SOLUTIONS FOR A SMARTER FUTURE

HOW KENDALL LIBRARY TRANSFORMED STORMWATER MANAGEMENT

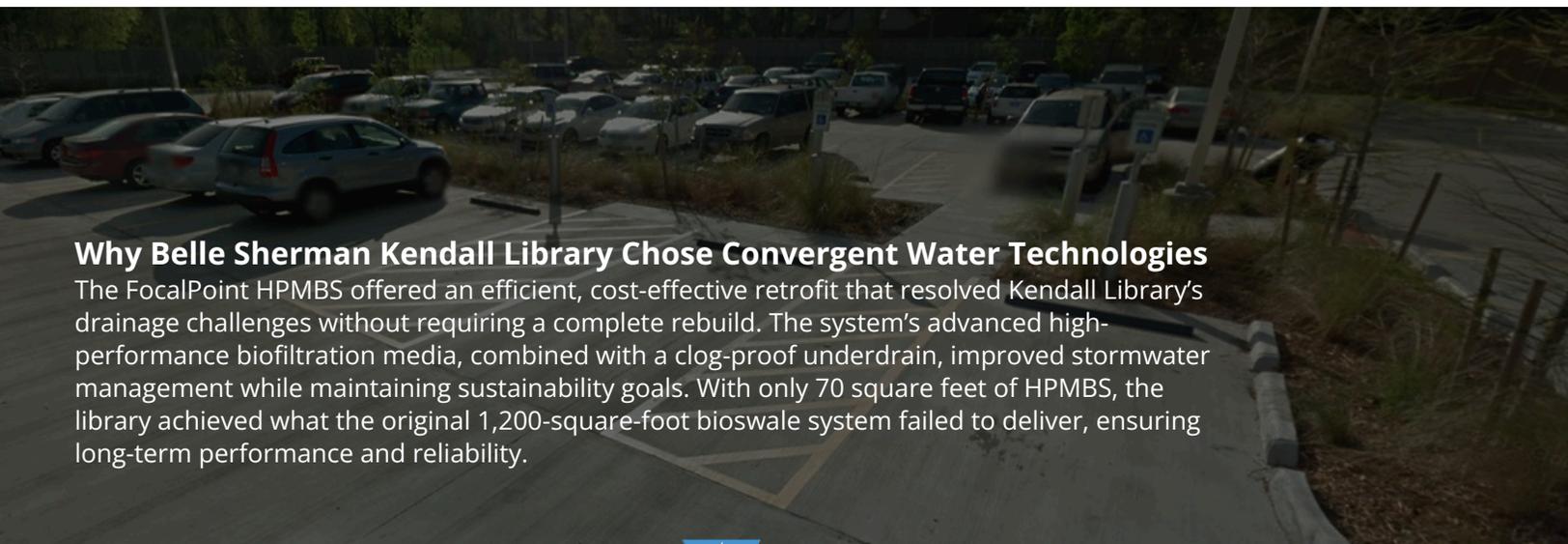
Project Details

The newly constructed three-story Belle Sherman Kendall Library at 609 N. Eldridge serves as more than just a library—it functions as a full-fledged community center, complete with classrooms, after-school programs, and a half-gym. Designed to achieve LEED® Silver Certification, the project integrated sustainable features, including an underground water harvesting system fed by bioswales to support landscape irrigation.



What Convergent Water Technologies Provided

The library's original bioswale system, intended to filter stormwater runoff and direct it into a 30,000-gallon underground rainwater harvesting system, faced significant issues. Within six months, excessive organic content in the soils clogged the geotextile fabric, drastically reducing flow and causing unacceptable water backup in the parking lot. Rather than undergoing a costly redesign, Construction EcoServices, a Convergent Water Technologies VAR, introduced the FocalPoint High Performance Modular Biofiltration System (HPMBS). This system provided a high-flow biofiltration solution that replaced the ineffective bioswales, achieving superior results in a fraction of the space.



Why Belle Sherman Kendall Library Chose Convergent Water Technologies

The FocalPoint HPMBS offered an efficient, cost-effective retrofit that resolved Kendall Library's drainage challenges without requiring a complete rebuild. The system's advanced high-performance biofiltration media, combined with a clog-proof underdrain, improved stormwater management while maintaining sustainability goals. With only 70 square feet of HPMBS, the library achieved what the original 1,200-square-foot bioswale system failed to deliver, ensuring long-term performance and reliability.



Distributed by Convergent Water Technologies

Convergent has decades of experience in developing and delivering problem solving stormwater innovations. Convergent believes that adopting new ideas quickly, and integrating the process of innovation into stormwater regulation, product development and distribution is the only answer to our looming water crisis.

Contact Sales

13100 Wortham Center Dr. Third Floor, Suite 3134
Houston, TX 77065
P: 800.711.5428
E: info@convergentwater.com
w: convergentwater.com