

AMERINE PARK IMPROVEMENTS

BIOFILTRATION

FOCALPOINT SYSTEM

HIGH-VOLUME TREATMENT IN JUST 36 SQUARE FEET

SUMMARY

The Amerine Park Improvements project required an efficient way to manage a large volume of runoff from impervious surfaces without dedicating a significant portion of the 2.2-acre site to stormwater infrastructure. A compact FocalPoint Biofiltration System allowed the project team to provide treatment within a 36-square-foot installation while preserving more of the public park for greenspace and landscaping.

THE CHALLENGE

The City of Maryville needed to treat a high volume of stormwater runoff within a site where space was limited and every square foot contributed to the park's public value. A conventional approach could have required curb and gutter, underground piping, and a larger pond or traditional bioretention area. Those components would have increased costs, consumed valuable land, and reduced usable greenspace. The project required a stormwater control measure that could provide the necessary treatment capacity in a substantially smaller footprint.



MORE GREENSPACE. LESS STORMWATER INFRASTRUCTURE.

THE SOLUTION

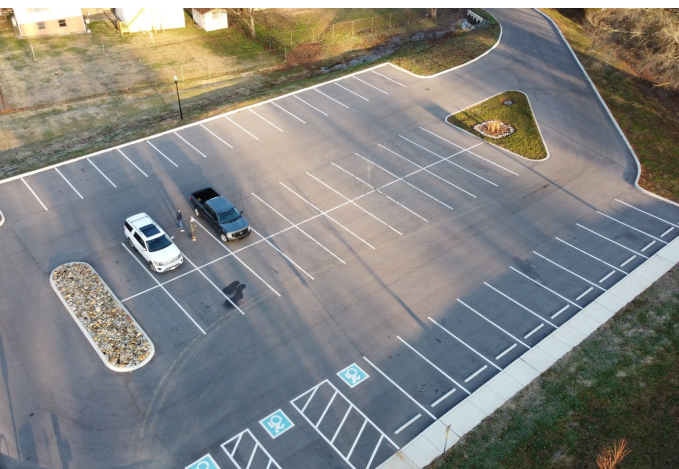
The project team selected the FocalPoint High-Performance Modular Biofiltration System supplied by Jen-Hill. A 36-square-foot FocalPoint system was installed to treat a design runoff volume of approximately 1,882 cubic feet. Its compact design allowed stormwater treatment to be incorporated into the park landscape without requiring a large surface pond or extensive underground conveyance. Engineered soil media and a modular underdrain support filtration, infiltration, and water storage within a small surface footprint.

THE RESULTS

The completed system provided the required treatment while avoiding conventional curb-and-gutter collection and extensive underground conveyance. According to the project team, the approach reduced costs compared with conventional alternatives, used less land than a pond or larger bioretention area, and kept ongoing maintenance costs low. The compact installation also preserved greenspace and added visual value through landscaping.

ABOUT FOCALPOINT

FocalPoint is a compact, scalable modular biofiltration system designed to treat stormwater runoff in a substantially smaller footprint than conventional bioretention. It combines engineered soil media with a high-capacity modular underdrain and can be integrated into landscaped basins, streetscapes, sidewalk planters, and other low-impact development applications.



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