

FOCALPOINT AND RAIN GUARDIAN MEET TSS AND TP REQUIREMENTS



LOCATION:

270 Billerica Road Redevelopment
Chelmsford, Massachusetts

PRODUCT/SOLUTION:

FocalPoint, Rain Guardian
Pretreatment R-Tank® Stormwater
Modules

Ferguson Waterworks helps navigate stringent stormwater regulations using the FocalPoint BioFiltration System and Rain Guardian Pretreatment. This two-pronged approach met the 80% Total Suspended Solids (TSS) and 50% Total Phosphorus (TP) removal requirements for redevelopment projects in Chelmsford, Massachusetts.

WHAT CHALLENGES DID THE FOCALPOINT BIOFILTRATION AND RAIN GUARDIAN PRETREATMENT SYSTEM SOLVE?

Due to nearby wetlands and the potential for high groundwater, the project required a low-profile and effective TP treatment device. In addition, the stormwater system needed to fit within a limited footprint.

FocalPoint was utilized to meet the required TSS and TP performance criteria in a cost-effective manner. Meanwhile, Rain Guardian captured sediment, debris and other pollutants before they reached the biofiltration system. Finally, downstream R-Tank Stormwater Modules provide subsurface detention, peak flow attenuation, and flood protection.

WHAT ARE THE BENEFITS OF COMBINING A HIGH-PERFORMANCE BIOFILTRATION SYSTEM WITH CURBLINE PRETREATMENT?

Pairing Rain Guardian curbline pretreatment with high-performance biofiltration creates a more efficient treatment train—capturing sediment and debris upstream while the biofiltration system targets finer pollutants like TSS and TP. As a result, this approach supports stronger treatment performance, reduces maintenance and increases both system efficiency and longevity.



Ferguson Waterworks is a smart partner who understands local regulations, tight timelines, and strict budgets. We work directly with your team and local governments to meet and exceed stormwater requirements. Contact us today for start-to-finish support.