

PROTECTING PITTSBURGH'S WATER

**IMPROVING THE STEEL CITY'S
NATURAL RESOURCES
THROUGH ENHANCED URBAN
GREEN INFRASTRUCTURE**



WE COULD GREEN UP YOUR NEIGHBORHOOD.

HILLCREST STREET & NORTH ATLANTIC AVENUE

Year Completed: 2017

Product(s) Used: R-Tank; Fabco inlet filters

Project Description: Attractive terraced curblines rain gardens catch and pretreat water before entering enhanced underground storage system for gradual infiltration.

CENTRE AVENUE & HERRON AVENUE

Year Completed: 2017

Product(s) Used: R-Tank; Fabco inlet filters; Fabco domed overflow filters

Project Description: A terraced bioretention system comprising two tiers—each with an expanded R-Tank and domed overflow with filter inserts and supported by filter inserts in adjacent street drains.

WIGHTMAN PARK

Year completed: 2020

Product(s) Used: R-Tank (combination of HD and UD modules); Fabco inlet filters

Project Description: Enhanced stormwater storage underneath a newly installed playground, paired with filters in upstream drain inlets. Complex layout and arrangement of modules to work around playground equipment foundations. Additional geogrid installed below the system to improve soft subgrade.





HARVARD STREET & BEATTY STREET

Year completed: 2021

Product(s) Used: R-Tank; Fabco inlet filters

Project Description: A series of narrow, curblin rain garden systems with linear underground storage and domed overflows with filter inserts.

MELWOOD AVENUE, FINLAND STREET & BETHOVEN STREET

Year Completed: 2018

Product(s) Used: R-Tank; R-Tank treatment rows; FocalPoint Biofiltration System; Fabco inlet filters; Rain Guardian Turret units

Project Description: A series of five curblin bioretention systems in a residential/commercial neighborhood; each system comprises Rain Guardian Turret units for pretreatment, expanded underground storage and filter inserts, both on the curblin and inside the domed overflow. Two of the five systems include FocalPoint modular biofiltration systems due to space constraints.



Ferguson Waterworks is grateful to our partners at the Pittsburgh Water and Sewer Authority, surrounding boroughs and local engineering consultants and landscape architects for their dedication and collaboration in improving Pittsburgh's water infrastructure.

We're committed to protecting community water resources nationwide through our comprehensive suite of green products and services.

Contact your local Ferguson Geo & Stormwater Associate to learn how we can help bring urban green infrastructure to your municipality.

ETNA BOROUGH—SCHOOL STREET PARKING LOT; BUTLER STREET; GARDEN ALLEY

Year completed: 2014–2015

Product(s) Used: R-Tank; FocalPoint Biofiltration System; open-joint permeable pavers

Project Description: Drainage enhancements via permeable surfaces and underground stormwater storage to reduce volume to sewer treatment plant. *School Street*—small-footprint FocalPoint biofilter with expanded R-Tank beneath parking area; *Butler Street*—porous concrete sidewalks with R-Tank storage below; *Garden Alley*—open-joint paver alleyway.



ETNA BOROUGH—LOVE STREET; RAIN PARK

Year completed: 2017

Product(s) Used: R-Tank HD Quads; R-Tank HD Pent; FocalPoint Biofiltration System; open-joint permeable pavers

Project Description: *Love Street*—an open-joint permeable paver alley with an expanded stormwater storage system underneath; *Rain Park*—A FocalPoint biofilter system with expanded stormwater storage beneath and a radial trench drain collection system upstream to deliver water to the biofilter.



ETNA BOROUGH—BRIDGE STREET

Year completed: 2018

Product(s) Used: Fabco StormBasin Cartridge Filter

Project Description: Cartridge-based filter inserts installed in curblin drains that sit on the frame of the drain structure to provide water quality treatment. Designed to trap TSS and remove phosphorus and nitrogen.

