

Hamlin Street & Hickey Run LID Retrofits

Washington, D.C.



Stormwater treatment alternatives installed on residential streets in Washington, D.C. reduce runoff and improve habitat for the nearby Hickey Run Watershed.

SERVICES

Design-build
Water Strategies

Situated in a residential area, the Hamlin Street and Hickey Lane project sites required stormwater treatment alternatives to reduce runoff and restore natural hydrology, prevent erosion, and increase natural habitat within the Hickey Run Watershed.

The District Department of Energy and Environment (DOEE) contracted Biohabitats to provide stormwater treatment alternatives. For the Hamlin Street site, which had a contributing drainage area of 3.1 acres with 1.4 acres of impervious cover, Biohabitats designed a series of bioretention basins to reduce the quantity of stormwater runoff and improve the quality of water entering the catch basin at the end of the street.

For the Hickey Lane site, located just outside of northeastern entrance to the U.S. National Arboretum, Biohabitats designed the District's first submerged gravel wetland, treating a contributing drainage area of 8 acres with 1.7 acres of impervious cover. This strategy significantly reduced material costs (stone instead of bioretention media) and tied the project into to an adjacent catch basin at a higher elevation than would have been otherwise achievable.