

NATIONAL PARK SERVICE

Rock Creek Tennis Center LID Retrofit Design-Build

Washington, D.C.

A Washington, DC tennis center and park developed without stormwater controls is retrofitted with green infrastructure. The project improves the expansive center's surrounding and downstream environments.



The Rock Creek Tennis Center is located in Rock Creek Park, less than six miles from the U.S. Capitol. This popular 26-acre spot boasts 25 tennis courts, a 7,500-seat stadium, and a 3,700-seat amphitheater. It also included a great deal of pavement

Developed prior to the District's stormwater regulations, the Center experienced uncontrolled, concentrated storm flows from these impervious surfaces. Over time, consequences ensued severely such that it was identified as a priority restoration area due to its impact on the surrounding habitats.



To aid in the restoration of Rock Creek's natural hydrology, prevent gully erosion, reduce stormwater pollution, and restore habitat, Triangle Contracting worked with Biohabitats to provide design-build services to retrofit more than seven acres of impervious surface with Green Infrastructure. The retrofit involved creating eight bioretention basins, sub-soiling compacted fields, disconnecting impervious surfaces, and installing in-channel stabilization structure in seven outfall channels.



The Rock Creek Tennis Center is now functioning to manage and enhance habitat with elements of environmental connectivity and beauty.

