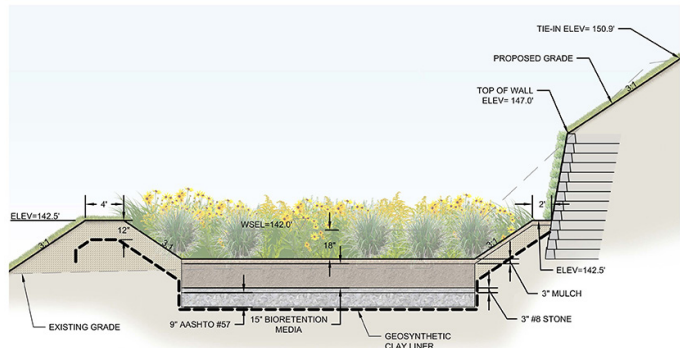


# Benning Park Recreation Center LID Retrofits

Washington, D.C.



From top: Existing tennis court before construction; Proposed site plan; Proposed living retaining wall and bioretention basin.

Situated atop a piped section of Piney Run, a historic stream that flows into the Anacostia River, the Benning Park Recreation Center is an important

community and recreational resource residents of southeastern Washington, DC's Ward 7. While the 8.5-acre site provides abundant indoor and outdoor recreation

*The installation of green infrastructure reduces pollution and erosion while enhancing the beauty and ecological function of a valued urban recreation center.*

amenities, several of its paved outdoor areas, such as its four basketball courts, two tennis courts, and an unused right-of-way, receive no stormwater treatment. Recognizing an opportunity to improve water quality in the Anacostia watershed while continuing to provide high quality outdoor recreational space and facilities, the District Department of Energy and Environment (DOEE) selected the site as a location for low impact development retrofits.

With a goal to provide treatment for these impervious surfaces, the equivalent one acre of impervious area, Biohabitats is leading the design and construction of LID retrofits. These included the creation of a dry swale bioretention area and a

bioretention area that features a Furbish SmartSlope Vegetated Retaining Wall™. The project also involved the removal of 5,000 square feet of asphalt and the installation of native plants and natural cover to transform the right-of-way into a park-like setting.

The project, which was funded by DOEE's Stormwater Enterprise Fund and the U.S. EPA's Clean Water Revolving Fund, helps restore the site's natural hydrology while preventing erosion, reducing stormwater pollution and enhancing habitat.

## SERVICES

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