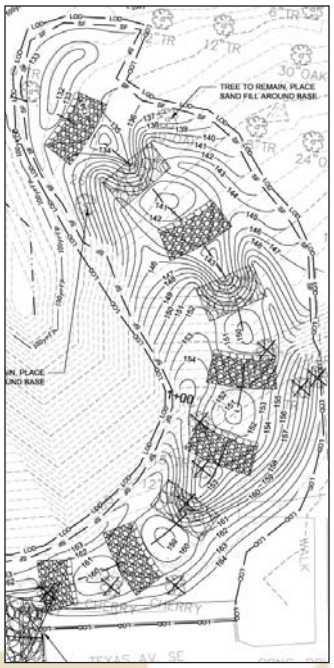
GOVERNMENT OF THE DISTRICT OF COLUMBIA
DISTRICT DEPARTMENT OF THE ENVIRONMENT, WATERSHED PROTECTION DIVISION

Pope Branch Regenerative Stormwater Conveyance Design-Build

Washington, DC



above: Proposed grading plan
top right: Existing gully
right: Stormwater runoff from street

Along with stabilizing degraded stormwater outfalls and providing water quality improvements using native material, this design-build project will be a showcase for urban stormwater management within Washington, DC.

For this design-build project for the District Department of the Environment, Biohabitats created regenerative storm water conveyance systems at three highly unstable, hillside areas. The goal of the project was to provide stable conveyance and water quality treatment along two ditches on the steep slopes of the Pope Branch Park stream valley and at another location in a nearby neighborhood park.

Using an approach which included a series of rock weirs and pools with an underlying sand seam, Biohabitats designed approximately 500 linear feet of ephemeral streams that will also serve as stormwater conveyance channels. Native vegetation along the channels will provide additional stability and habitat. The newly created channels will provide stable conveyance of storm flows and beneficial impacts to habitat and water quality in this highly urban stream system.

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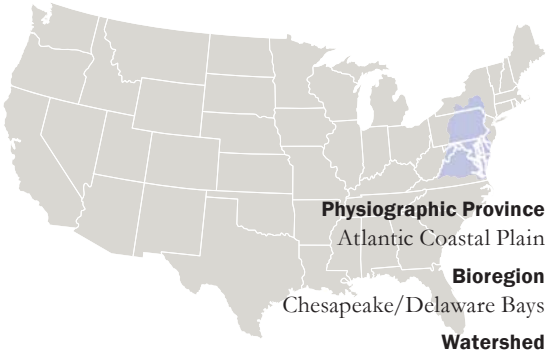

Physiographic Province
Atlantic Coastal Plain

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Watershed
Chesapeake Bay

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