



GREEN INFRASTRUCTURE in New Jersey



319/CBT PROJECTS

PROJECT NAME AND DESCRIPTION:

RP07-050 COOPER RIVER STORMWATER BASIN RETROFITS, CAMDEN COUNTY 319(H) - \$181,810

The Cooper River Regional Stormwater Management Plan, approved by NJDEP as a “Watershed Based Implementation Plan”, identifies extensive development and inadequate stormwater basins as a contributor to the many documented impairments of the Cooper River. The Plan identifies over 80 stormwater basins in the watershed that would benefit from retrofit or renovation. Further, the Cooper River RSMP Priority Projects Addendum identifies nearly 25 stormwater basins as priority projects.

Because of the quantity of basins in need of retrofit and due to space limitations and other technical issues it would be difficult and cost prohibitive to bring each basin to current standards, achieving target reductions of pollutants. This project is designed to implement and report on the efficiency of various cost effective retrofit options. These basin retrofits and renovations take advantage of the existing basin conditions, including soil conditions and topography to improve the effectiveness of each basin in reducing peak rates of runoff and treating stormwater for nutrients, bacteria and total suspended solids. All basin retrofits sought to spread water throughout the basin and increase filtration, settling and infiltration. Three of the basins were retrofitted by constructing berms across the existing low flow channels composed of gabions and soil, or stone. Another basin was retrofitted through the construction of a wooden weir modifying the existing outlet structure. Another basin retrofit involved leveling the bottom of a previously sloped basin. This project supported the retrofit of six stormwater basins throughout Cherry Hill Township in Camden County, with a total cost of \$181,810, including \$10,625 in local matching funds.

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Construction of gabion walls - April 2008



Current condition - August 2011

The 319(h) program is administered through the Division of Policy Implementation and Watershed Restoration. Additional information is available at www.nj.gov/dep/watershedmgt/319grant.htm.