



# Chicago Metropolitan Agency for Planning

- Project Name:** West Main Parking Lot Bioinfiltration
- Grant Recipient:** Batavia Park District
- Project Location:** Batavia, Illinois
- Project Budget:** Total Project Costs - \$39,429 / 319 Grant Amount – Costs Unavailable
- Project Summary:** As part of construction of Batavia Park District’s West Main Street Park, the Park District incorporated a bioinfiltration area into the center median of the Park’s parking lot. The underdrained, mulched, and planted area is designed to filter runoff from the parking lot. The design is based on bioretention areas described in Prince George’s County, Maryland’s *Low Impact Development Design Manual*. The design concept was to receive and treat urban runoff before it entered a detention basin which discharges into Blackberry Creek - a tributary of the Fox River. The system also was designed to reduce runoff volume and velocity while providing beneficial hydrologic functions. The bioinfiltration island included a 50/50 mixture of loam and sand planted in a 30” deep planting bed which is under-drained by a perforated pipe out letting to a grass swale. The bed was planted in a selection of native perennial grasses, shrubs, and trees and then mulched with 3” of shredded bark. For more information about this site, please visit: <http://www.bataviaparks.org/park37.htm>.



Pre-construction conditions

Post- construction conditions