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CITY OF BROOKLYN

# Stickney Creek Stream Stabilization and Floodplain Restoration

Brooklyn, Ohio



During construction, failing gabion baskets and a failing streamside asphalt trail are replaced with soil lifts and live branch layering.

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*Bank stability and function are being restored to a degraded stream in an active, urban park.*

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## SERVICES

Assess  
Plan  
Engineer & Design  
Build  
Monitor

**B**rooklyn, Ohio's Veterans Memorial Park, located just behind City Hall, is one of the city's largest recreational sites. Flowing through the park is Stickney Creek. When stormwater from surrounding development began eroding the creek to the point at which gabion baskets along its banks began collapsing, the City of Brooklyn recognized the need to develop a more resilient solution. The West Creek Conservancy selected Biohabitats to help the City design and construct a nature-based restoration to stabilize the creek and enhance its habitat, ecological function, and recreational opportunities.

The restoration involves regenerating more than 1,500 linear feet of the natural stream system, including six acres of associated floodplain. The restoration design, which features boulder toe, toe wood, and buried soil riprap protection and soil lifts with live branch layering, also involves improving and relocating streamside trails and enhancing viewsheds.

The restored Stickney Creek corridor will enhance floodplain riparian functions and habitat while creating abundant opportunities for public outreach and education.