



# Lititz Run at Oak Street

## Floodplain Wetland Restoration

### Challenge

The project along the Lititz Run in the Borough of Lititz has been affected by historic human activity including mill operations, channel straightening, and road and bridge construction, which have led to the alteration and degradation of the stream as well as legacy sediment deposition. The project reach was incised, over-wide in spots, and disconnected from its floodplain. Bankfull and higher flows were contained within its steep, vertical banks and could not regularly access the active floodplain, resulting in accelerated bank erosion, ineffective flood conveyance storage, and streambank instability.

### Solution

Through a DEP Local Stormwater BMP Implementation Grant administered by the Borough of Lititz, LandStudies designed a 0.75-acre low wetland area to reduce pressure on the streambanks and to treat stormwater run-off from the watershed, which functions by filtering flood flows from the surrounding urban areas and watershed. The wetland is planted with native plants that increase biodiversity and create wildlife habitat while improving water quality. Many of the existing trees were preserved and additional trees were added, increasing the riparian buffer benefits for Lititz Run. Neighbors have commented on the diversity of flowers and beauty of this site during the spring and summer months. To help educate the community about the benefits of this restoration, educational signs and an ADA accessible pathway have been installed.

### Services

Assessment | Design | Engineering | Permitting | Construction | Construction Management | Monitoring



Before restoration



After – post-construction flood event

Client: Lititz Borough  
Location: Lititz, PA



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