



Lititz Run at Oak Street

Stream and Floodplain Restoration

Challenge

The project reach along the Lititz Run in the Borough of Lititz has been affected by historic human activity such as mill operations, channel straightening, road development and bridge construction, which have indirectly and directly 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

LandStudies, Inc. designed and constructed a restoration project to address the challenges above. The planning and procurement of this project included surveys and field verifications of project features and investigating the design of the Oak Street storm drain to determine the feasibility of re-routing it into the proposed wetland.

LandStudies provided the mobilization, construction layout and management, erosion/sediment control measures, excavation and earthwork seeding/stabilization, planting, & As-Built Red Line Documents.

Services

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



Before



After – post-construction flood event

Client: Lititz Borough
Location: Lititz, PA



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