

PROJECT: EQUINE

BEFORE

LOCATION: KENNETT SQUARE, PA



PROJECT DESCRIPTION



This project involved installing several Best Management Practices (BMPs) on an equine operation outside of Kennett Square, PA. There is a stream that flows through the center of the pastures that the horses have unrestricted access to as well as a large Animal Concentration Area (ACA) and animal walkways that were unstable and subject to erosion. The owners and operators agreed to plant a riparian forest buffer along the stream so fencing was installed and a water access was built in order to allow the horses to still water as needed. To address the ACA, a stone heavy use area was constructed and a vegetated treatment area established to treat the runoff.

RESOURCE CONCERNS

- Horses have unfettered access to stream, which leads to unstable streambanks and erosion, untreated nutrient runoff into surface waters.
- Large Animal Concentration Areas (ACAs) and animal walkways with unimproved surfaces and lack of appropriate grass filter areas to treat the manure laden runoff

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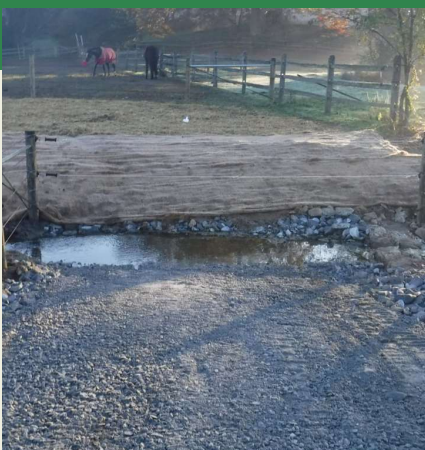
AFTER

COMPLETION DATE: OCTOBER 2019



SERVICES PROVIDED

- Conservation Plan & Manure Management Plan Development
- PA Department of Environmental Protection General Permits
- Site Survey
- Design/Engineering
- Construction Checks/Certification
- Project Bidding
- Project Management



BEST PRACTICES INSTALLED

- Streambank restoration, exclusion fencing along stream, riparian forest buffer planting, stone heavy use area protection and vegetated treatment area.
- Stabilized Animal Walkway; stream crossing, and water access.

CONSTRUCTION COST: \$100,000