

**Plum Run Stream Restoration
Project Fact Sheet**

- Plum Run Focus Area- an impaired tributary to Brandywine Creek
- BRC *Red Streams Blue* Stream Restoration Plan priority watershed
 - Eight projects completed since 2010,
 - 9,570 feet (1.8 miles) of stream restored
- Collaborative effort with:
 - Six Brandywine-Christina Cluster Partners; Brandywine Conservancy, Stroud, Natural Lands, UD Water Resources Center, The Nature Conservancy (DE Chapter), Brandywine Red Clay Alliance
 - Municipalities in the Plum Run Watershed; West Goshen, West Chester Borough, East Bradford, Birmingham
 - More than 9 private land owners
 - Delaware River Watershed Initiative (DRWI); Brandywine-Christina Cluster



Project at Tigie Road from WCU property line to Strode's Mill:

- 4,470 feet of stream restored in three phases in this section,
- Design phase completed and all permits acquired in 2018
- **Phase 1** completed in 2019, 1,982 feet restoration on Tigie Road, open space from Toll Brothers development, with East Bradford Twp.
- **Phase 2** completed in 2020, 1,583 feet restored to old mill dam, includes two private parcels
- **Phase 3** completed, 2021, 905 feet restored from old mill dam to historic Strode's Mill site



BEFORE RESTORATION



AFTER RESTORATION

- **Benefits of project:**
 - Stabilizes eroded stream banks
 - Reduces sediment and nitrogen pollution, helps municipal Pollution Reduction Plans
 - Improves fish and wildlife habitat
 - Provides aesthetic impact at new trails and recreation plans
 - Coordinated with park improvement and trail plans
 - Opportunity to educate environmental and historical features with Plum Run and Strode's Mill.

- **Partners:**
 - East Bradford Twp.
 - Strode's Mill Historic District
 - Brandywine Conservancy's Plum Run Stormwater Assessment
 - Stroud Water Research Center on 9 acre riparian buffer planting

- **Funding Provided by:**
 - Chester County Preservation Program
 - East Bradford Township
 - National Fish and Wildlife Foundation
 - PA Commonwealth Financing Authority, Watershed Protection Program
 - PADEP Growing Greener Fund
 - William Penn Foundation

- **Contractors:**
 - Clauser Environmental, LLC
 - Flyway Excavating

- **Project Photos:**



Pumping for excavation in dry stream



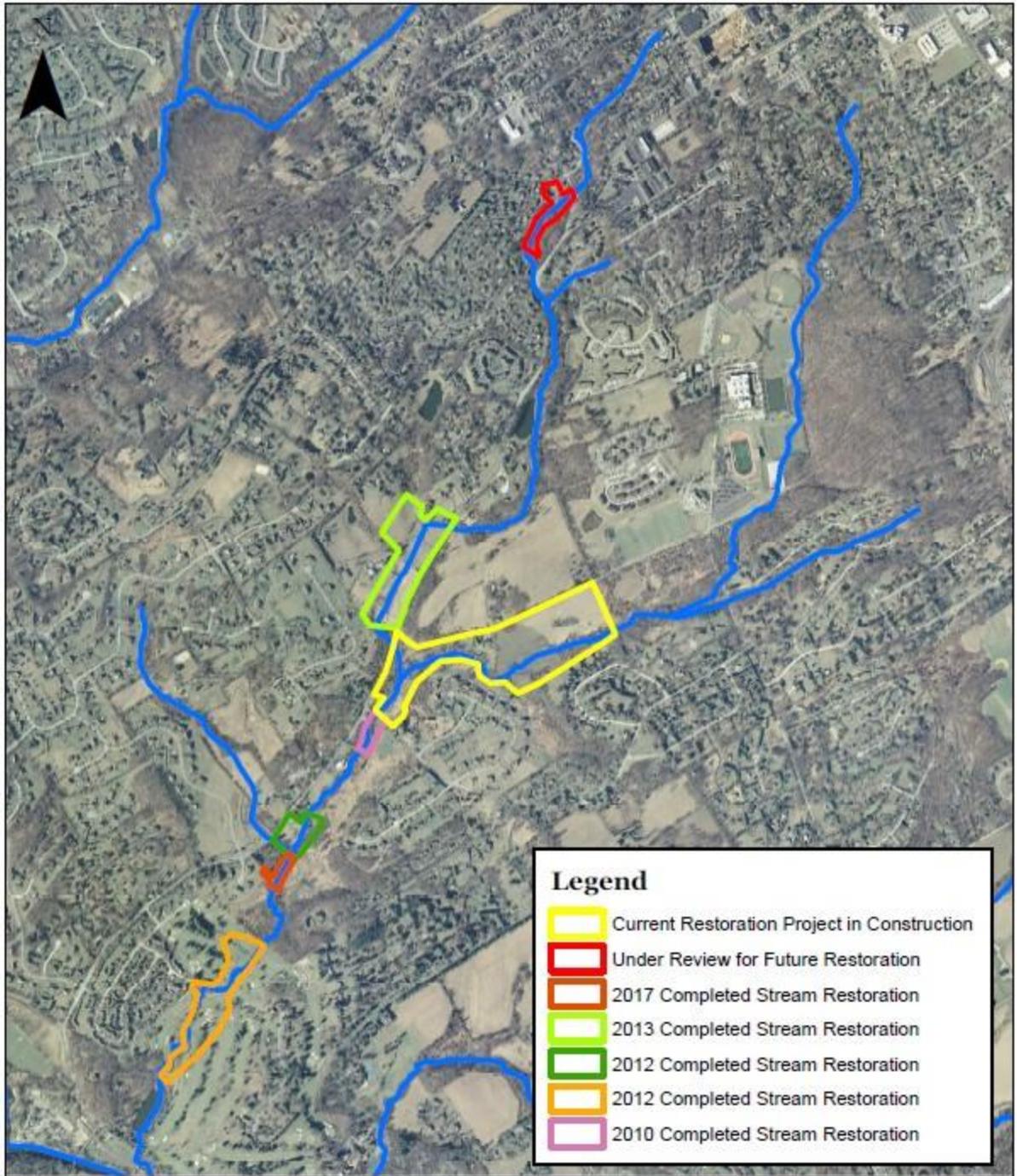
re-graded stream banks in Phase 1



Riparian Tree Planting in Phase 2



Volunteer tree planting crew



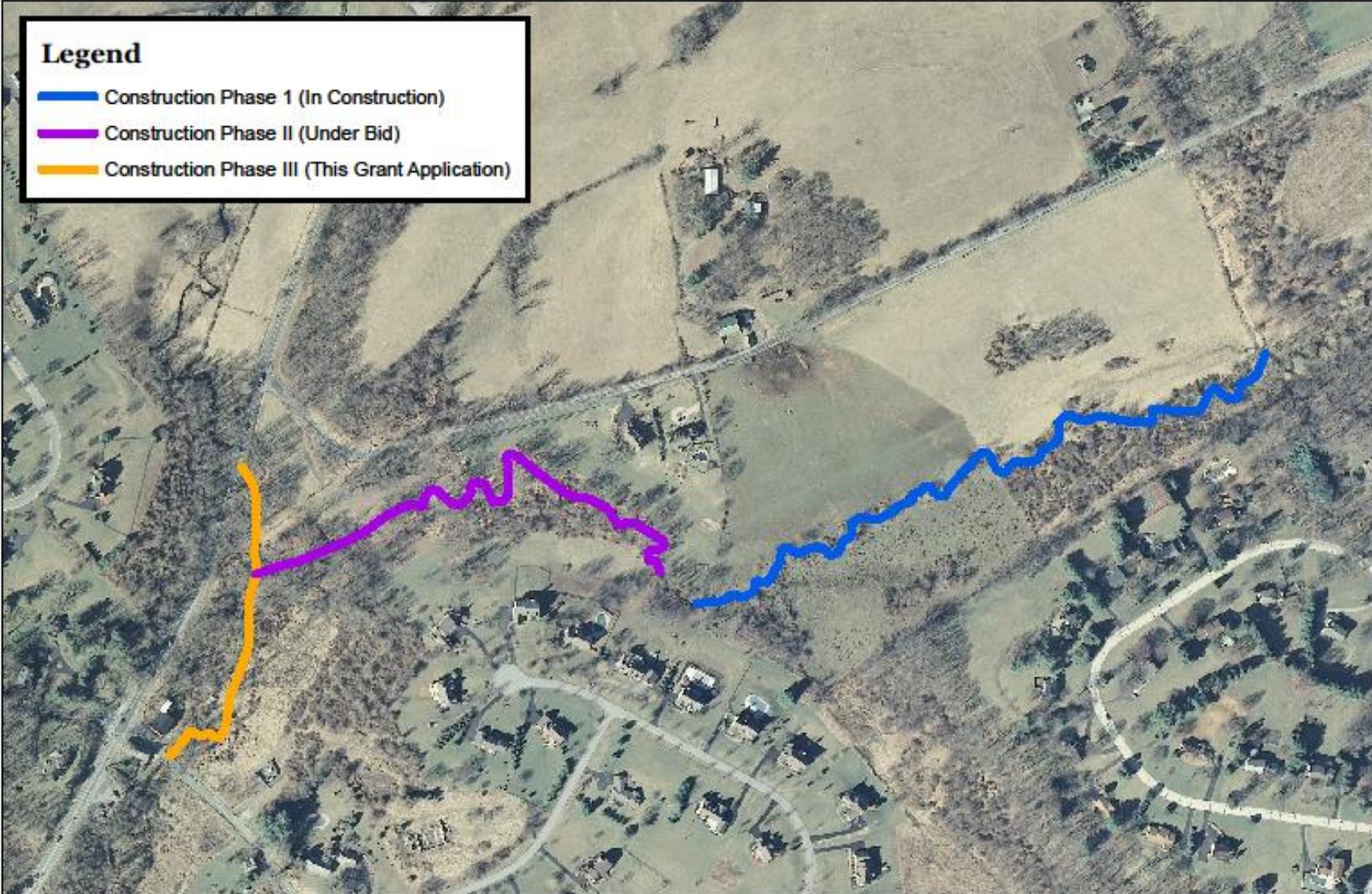
0 600 1,200 2,400 Feet

Data Sources:
 Clauser Environmental, LLC
www.pasda.psu.edu

Plum Run Stream Restoration Sites Project Location Map



Funding for these projects has been provided by PADEP Growing Greener Grants, TreeVitalize, National Fish and Wildlife Foundation (NFWF) and the William Penn Foundation.



Data Sources:
Clauser Environmental, LLC
Chester County GIS Department
www.pasda.psu.edu

**Plum Run Site 18-66
Construction Phase Map
East Bradford Township
Chester County, PA**



0 150 300 600 Feet

