

### Brandywine Creek Stream Restoration Projects

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
1	Stovers Dam to Mt Lebanon Cemetery	2970	Unstable F4, B4, E4, B4, and C4 channels with moderate to moderately high eroding banks, active headcuts along upper section, and aggradation along middle and lower sections. Minimal to no buffer.	Restore as stable B4c, B4, E4 and C4 streams; plant a minimum 35 foot riparian buffer.
2	Reinoeldville Tributary East of Miller St	825	Unstable G4 and B4 channels with high eroding banks along upper section, aggradation and bank erosion along middle and lower sections. Minimal to no buffer.	Restore as stable B4 streams; plant a minimum 15 foot riparian buffer along rear of yards and 35 feet along field.
3	Reinoeldville Tributary West of Miller St	1650	Unstable E4 with active head cut migrating upstream through B4 channel sections with moderately eroding banks throughout; minimal to no buffer along rear of yards.	Restore as stable E4 and B4 streams; plant a minimum 15 foot riparian buffer along rear of yards.
4	Main Stem Brandywine DS of 7 <sup>th</sup> St	700	Unstable F4 channel with high eroding banks throughout and aggradation in lower section UPS of tunnel gate.	Construct a stormwater wetland basin at location of tunnel gate to provide peak attenuation and water quality management.
5	Sand Hill Tributary DS of Mechanic St	1650	Unstable C4 and E4 channels with low to moderately high eroding banks throughout, aggradation and bank erosion along middle and lower sections. Breached dam in middle section.	Restore as stable E4 and C4 streams Construct a stormwater wetland basin at location of old dam to provide peak attenuation and water quality management.
6	Sand Hill Tributary DS of Reinoehl St	600	Unstable G4 and E4 channels with an active headcut migrating upstream from pipe inlet at Municipal Waste Disposal Site.	Stabilize headcuts and restore as stable E4 and B4 streams

Project ID	Location	Length (feet)	Existing Problems	Proposed Solutions
7	Main Stem Brandywine UPS of Maple St	850	Piped section under open space area.	Open piped section and construct a stormwater wetland basin in open space area to provide peak attenuation and water quality management.
8	Main Stem Brandywine DS of Lehman St	700	Stream in grass and gabion flume.	Construct a stormwater wetland basin along flume and adjacent floodplain to provide peak attenuation and water quality management.
	Total Length	9.945		