

Silver Creek Streambank Restoration

Melrose Park, Illinois



In the summer of 2007, Conservation Land Stewardship, Inc. (CLS), in coordination with the Village of Melrose Park and Living Waters Consultants, Inc., embarked on a project to restore a 1200ft section of Silver Creek located in Melrose Park, Illinois. A combination of bio-engineered stream bank stabilization techniques, native landscape systems, and erosion control measures were employed to enhance water quality, reduce the hydrologic effects of on-site and upstream surface water runoff, improve wildlife habitat, and increase aesthetic quality throughout the riparian corridor and upland portions of the watershed.

CLS completed work in summer of 2007. Stabilization techniques included:

- Installation of erosion and sediment control structures
- Bio-engineered bank stabilization – bank reshaping, vegetated soil lifts, and live stake installation
- Installation of stone structures – stone toe, rock points, j-hooks, and boulders
- Selective clearing of invasive woody species within the riparian corridor
- Initial seeding of native riparian herbaceous plants
- Installation of native riparian shrubs

Client: Village of Melrose Park

Project team: Conservation Land Stewardship
Living Waters Consultants

Status: Construction completed in 2007

Project budget: \$200,000