

Shady Groves Creek North

City of Webster Groves, Missouri



Flowing through the City of Webster Groves, Missouri, the project reach of Shady Groves Creek had been channelized and sporadically armored with concrete and grouted riprap. Advancing erosion threatened infrastructure and a parking lot. The City of Webster Groves desired natural channel design and soil bioengineering to stabilize and restore the channel.



Intuition & Logic designed bank protection interventions based on the results of our geomorphic reconnaissance. Existing concrete was removed along one bank and replaced with composite revetment bank protection. Other interventions included construction of a bankfull shelves, rock toes, fabric and plant slopes, and toe boulders to deflect flow and reduce shear stress along the restored stream banks. The composite revetments and other interventions were planted with native riparian vegetation.