

Preliminary Cost Estimate:

Conceptual Approach

Streambank soil erosion repairs and restoration along the portion of Arcadia Creek that passes through the Kalamazoo Christian High School property. This work includes engineering, permitting, excavation, grading, bioengineering, and re-vegetation.

Description	Qty.	Unit	Unit Cost	Cost
<i>Arcadia Stretch 8 - Streambank Bioengineering</i> 1,172 ft x 2 streambank restoration (i.e., excavation, grading, root wads, log deflectors, willow stakes, erosion control blankets, etc.)	2,344	ft	\$40	\$93,760
<i>Arcadia Stretch 8 - Streambank Vegetative Buffers</i> 1,172 ft x 2 vegetative buffer (20 ft width)	1	ac	\$2,500	\$2,500
<i>Arcadia Stretch 8 - Pond Bank Stabilization</i> 590 ft perimeter bank restoration around pond (i.e., excavation, grading, willow stakes, erosion control blankets, etc.)	590	ft	\$40	\$23,600
<i>Arcadia Stretch 8 - Pond Vegetative Buffers</i> 590 ft perimeter bank re-vegetation around pond (20 ft width)	0.3	ac	\$2,500	\$750

Subtotal	\$120,610
Contingency (20%)	\$24,122
Engineering Fees (10%)	\$14,473
Estimated Total	\$159,205