



Loretto Creek Restoration



Clean Water Funds: 2012

Clean Water Grant	\$334,450
Leveraged Funds*	\$83,828
Total Project Budget	\$418,278

* Leveraged Funds include

Targeted Water:

Lake Sarah

Project Sponsor:

City of Medina

Grant Period:

January 2012—December 2014

Project Contact:

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C12-205 - Clean Water Assistance

Project Narrative

Lake Sarah is a regionally significant lake and currently suffers from excess phosphorus levels. Loretto Creek, located partially within the Cities of Medina and Loretto, is Lake Sarah's east tributary carrying approximately 269 pounds of phosphorus to the lake each year. This is a joint project between the Cities of Loretto and Medina developed for the Loretto ballfields to address this problem.



The project includes restoring a portion of Loretto Creek to a more natural design by meandering the channel, flattening the sideslopes and creating native vegetated buffers. A sedimentation pond will be constructed to collect coarse sediment during low flow storm events and will slow down the velocity of the stream. Down stream of the sedimentation pond, a larger water quality pond will be constructed within the existing upland area of the northwest ballfield. This pond will store larger storm events and will settle out phosphorus-laden sediment. In addition, this project will restore a historically filled wetland within the ballfield complex. The water quality pond will outlet through the restored wetland. This will allow for additional overland treatment of stormwater along with improving wildlife habitat.

Proposed Outcomes:

Construction of stormwater ponds and restoration of impacted stream and wetland - Divert low flows to constructed stormwater pond and excavate an existing impacted wetland to reduce phosphorus to Lake Sarah. - Lake Sarah

Proposed Reductions: 140 lbs/year Phosphorus

Actual Outcomes:

Project in Progress

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