

McCoy Creek

Construction Code	Project Codes	Project Description	Assumptions	Study & Design Cost	Construction & Inspection Cost	Total Design & Construction	Projected O & M Costs	Comments	Priority
FH-M01	MC01	Remove large Eucalyptus, Vinca, and other exotic species. Plant riparian forest species and understory to promote bank stability. Install bioengineered toe protection at key points. Maintain and monitor for 3-5 years.	Access is good. No supplemental watering. No CD's.	\$9,910.00	\$26,337.20	\$36,247.20	\$31,000.00		High
FH-M02	MC02, MC03	At MC02, demolish existing concrete overflow channel. Install cobble/boulder "natural" channel integrated with wetland/riparian plantings. At MC03, re-establish a floodplain and natural banks by recontouring the east bank. Limit modifications to the actual channel, but allow for its natural migration over time. Plant heavily on the west bank to encourage high-velocity flows further away from the homes. Maintain and monitor for 3-5 years.	Access is good. CD's are required. Irrigation is available.	\$40,378.00	\$161,973.68	\$202,351.68	\$39,485.00	MC02 runs under the canopy of a large mature oak. If grading will cause damage to the tree, the project should not be completed as described, but could instead re-route the channel through the grassy area to the south. MC03 will require temporary removal of substantial riparian habitat.	Moderate to low
FH-M03	MC10, MC11	At MC10, plant the west bank just north of the bridge heavily to keep it stable. Replace the existing exotic trees with natives. Enhance the section of bank in line with the golfing line with native herbaceous species. Remove exotics and re-establish natives at the outside of the bend at the north end of the site. Grade plantings from herbaceous and shrubs at the bank edge, through riparian forest, to upland tree and shrub species. Establish a herbaceous riparian buffer strip on either side of the creek to improve water quality. At MC11, Establish a more natural stream course roughly 30-40' wide along the entire length, with the upper portion planted in riparian woodland and the lower portion planted and maintained as lower grass/forb/shrub communities. All should be designed for maximum filtering effect. Maintain and monitor for 3-5 years.	Access is good through the golf course. CD's are required. Irrigation is available.	\$36,110.00	\$60,589.00	\$96,699.00	\$44,500.00	Water quality improvement is the major benefit in these projects. Extensive coordination with the golf course will be required. Numerous other opportunities exist within the golf course to daylight stream reaches, establish riparian plantings and/or water quality filter strips, etc.	High
FH-M04	MC19, MC20	MC19 was not found. At MC20, establish a water quality treatment wetland at the mouth of the culvert, allowing for periodic maintenance to remove accumulated sediments. Establish a permanent maintenance program for removing sediments, etc. Expand project to include removal of Schinus and Cortaderia in nearby landscaping. Coordinate with the golf course and home-owners' associations to replace invasive exotic landscape species with native species.	Access is through the golf course. CD's are required. Irrigation is available.	\$43,280.00	\$123,665.00	\$166,945.00	\$37,750.00		High