



McCoy Creek

The top of the McCoy Creek watershed is located in the New Millennium master planned development, which is located at the end of Parkway Calabasas. The creek emerges from a cement underground culvert under Parkway Calabasas at the east end of the New Millennium property and flows through an area of native vegetation and natural channel until passing into a golf course, which flanks the creek on both sides for the next 0.6 mile.

Upstream of the golf course, approximately 175 feet of the creek channel, vegetation is primarily natural, then the bank vegetation transitions to turf grass and ornamentals (MC-21, 22 and 23). The segment flowing through the golf course is restricted at several locations by cart path and road crossings, underground culverts, and bank stabilizing structures (MC-07 through 18). Just west of Park Entrada, the creek is joined from the south by a tributary that crosses under Parkway Calabasas from Bay Laurel School (MC-19 and 20). The confluence is lined with concrete.

McCoy Creek passes under Parkway Calabasas through two box culverts and empties onto the private grounds of Countrywide Financial (MC-05 and 06). Within the Countrywide site, the creek is maintained as a natural park with recreational uses available to employees.

The Countrywide Financial property ends at Park Capri where the creek flows under the road and into the park adjacent to Lake Calabasas (MC-02 through 05). In the western portion of the park the creek is bordered to the north by high-density residential uses. Gabions stabilize the north bank along some of this stretch. The southern bank is natural and contains oak woodland vegetation that transitions to turf grass closer to the lake. A concrete lake overflow structure drains into the creek south of the Calabasas Tennis and Swim Center. Downstream of the overflow, concrete has been used to stabilize the east and west banks of the creek.

Near the northern boundary of Calabasas, the creek channel has been stabilized with riprap and check structures before it crosses under Calabasas Road in Old Town Calabasas (MC-01). On the north side of Calabasas Road, the creek crosses under the Ventura Freeway to join Dry Canyon Creek and form Calabasas Creek.

The analysis of identified projects on McCoy Creek resulted in eight construction projects listed in Table 1C. All the proposed habitat improvement projects for McCoy Creek are entirely contained within Calabasas City Limits. The total estimated design and construction cost for implementation of all eight proposed projects on McCoy Creek is slightly under \$1.3 Million.



CITY OF CALABASAS

**Table 1C
McCoy Creek Habitat Improvement Projects Inside Calabasas City Limits**

Construction Code	Project Codes	Priority	Project Description	Study & Design Cost	Construction & Inspection Cost	Total Design & Construction	Projected O & M Costs	Comments	
FH-M01	MC01	High	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.	\$9,910	\$26,337	\$36,247	\$31,000		
FH-M03	MC10, MC11	High	At MC10, plant the west bank just north of the bridge heavily to keep it stable. Replace the existing exotic trees with natives. Entrance 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.	\$36,110	\$60,589	\$96,699	\$44,500	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.	
FH-M04	MC19, MC20	High	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 Contadaria in nearby landscaping. Coordinate with the golf course and homeowners' associations to replace invasive exotic landscape species with native species.	\$43,280	\$123,665	\$166,945	\$37,750		
FH-M02	MC02, MC03	Medium	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.	\$40,378	\$161,974	\$202,352	\$39,485	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.	
QM-01	MC-04	Low	Streambank stabilization Calabasas Park homeowners association property. Bank stabilization and fish barrier removal upstream of Park Capri crossing.	\$12,000	\$43,125	\$55,125	\$5,000	Creek in good condition, well shaded, natural, at Countryside Financial. No infrastructure threatened. Most minor/local bank instabilities not a problem, focus on fish passage and channel incision.	
QM-02	MC-05,06	Low	Fish barrier culvert modifications below Park Granada and Calabasas Parkway. Bank stabilization and channel grade control between Park Capri and Calabasas Parkway.	\$44,700	\$149,000	\$193,700	\$20,000	Creek in good condition. No infrastructure threatened. Most minor/local bank instabilities not a problem, focus on fish passage and channel incision.	
QM-03	MC-07, 08, 09, 12, 13, 14, 15, 16, 17, 18	Low	Calabasas Golf and Country Club Improvements. Bank stabilization, wetland restoration, fish barrier removal, culvert replacements and daylighting, and headcut stabilization.	\$83,000	\$396,400	\$479,400	\$92,000	Drainage and habitat improvements at golf course v. expensive. Need comprehensive plan coordinated w/ any future golf course modifications.	
QM-04	MC-21,22,23	Low	Upstream of Calabasas Golf and Country Club. Stabilize headcuts and channel incision.	\$13,800	\$46,000	\$59,800	\$5,000	No infrastructure threatened at or below instabilities. Monitor to determine if upstream development initiating or accelerating problem.	
TOTAL =							\$1,290,268	\$274,735	