

Park: Quarry Park and Mirada East

Project Name: Create and Maintain a Fuel Break Along Western Quarry Park Boundary

Rank ID #: 8

Size: 5 acres

New or Existing: New

Implementation Status: Planned for 2023, pending award of grant funding from the State Coastal Conservancy. May require acquisition of a Coastal Development Permit for vegetation clearing.

Project Description and Parameters: Re-create a 200-foot-wide fuel break along the south-west border of Quarry County Park by removing all trees and non-native woody vegetation. Fuel breaks are effective at protecting nearby communities by disturbing fire behavior, slowing the spread of a fire, and creating a safe space for first responders to conduct fire containment and suppression activities.

Location Specifics: The fuel break will span from the park's main entrance on Columbus Street south along the parks' boundary with Moro Ave., Santiago Ave., Magellan Ave., and Coronado Ave. Please see the map depicting project boundaries below.

Treatment Types: Understory thinning of Tasmanian Blue gum, acacia, Monterey Pine and other non-native invasive vegetation and large diameter standing dead tree hazards. Felling and chipping of tree debris on site.

Treatment Methods: Parks Department field staff and contractors will utilize manual and mechanical treatment methods to remove trees and non-native woody vegetation to re-establish a fuel break along the western border of Quarry County Park. Felled trees and other vegetation will be processed using a chipper, and wood chips will be retained on site to assist with erosion control and weed suppression. Trees too large to be processed by the chipper will be bucked and left on site. Chemical treatment will likely be required to control the regrowth of non-native species, including eucalyptus. All appropriate protocols will be implemented to protect and avoid rare, threatened, endangered, and/or sensitive species. Appropriate erosion control measures will be put in place to avoid sedimentation of nearby waterways.

Project Benefits: Completion of this project will improve public safety by: mitigating the threat of wildfire to nearby residents by installing a 200-foot wide fuel break that will disturb fire behavior; preserving emergency responders' ability to access a fire and conduct fire containment and suppression activities; and protecting a community evacuation route.

Implementation & Maintenance Interval: Initial treatment is estimated to take three to five years to complete. Maintenance should occur annually thereafter for five years, depending on observations made during monitoring.

Cost and Budget: Estimated 5-year cost to complete treatment and retreatment activities is \$125,750. Initial treatment is estimated to cost \$71,375, and retreatment activities are estimated to cost \$54,375.

Responsible Parties: Parks Department field staff will be responsible for managing contractors during initial treatment activities and coordinating any trail closures. Field staff will also be responsible for overseeing and/or conducting subsequent maintenance activities. Parks' Natural Resource Management

Division will oversee permitting, environmental avoidance and minimization measures, flagging of sensitive resources, and monitoring project area.

Quarry County Park: Create and Maintain a Shaded Fuel Break Along Western Park Boundary

