

## **MITIGATION MONITORING AND REPORTING PROGRAM**

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This Mitigation, Monitoring and Reporting Program (MMRP) has been prepared pursuant to the CEQA Guidelines, which state:

“When adopting a mitigated negative declaration, the lead agency shall also adopt a program for reporting on or monitoring the changes which it has either required in the project or made a condition of approval to mitigate or avoid significant environmental effects” (§15074(d)) and;

“The Lead Agency may choose whether its program will monitor mitigation, report on mitigation, or both. “Reporting” generally consists of a written compliance review that is presented to the decision-making body or authorized staff person. A report may be required at various stages during project implementation or upon completion of the mitigation measure. “Monitoring” is generally an ongoing or periodic process of project oversight. There is often no clear distinction between monitoring and reporting and the program best suited to ensuring compliance in any given instance will usually involve elements of both.” (§15097 (c))

The following table lists the impacts, mitigation measures, and timing of the mitigation measure (when the measure will be implemented) related to the Quarry County Park Wildfire Reduction and Visitor Services Project. All of the mitigation measures listed here will be implemented by the County or by their appointees.

According to CEQA Guidelines section 15126.4 (a) (2), “Mitigation measures must be fully enforceable through permit conditions, agreements, or other legally-binding instruments. In the case of the adoption of a plan, policy, regulation, or other public project, mitigation measures can be incorporated into the plan, policy, regulation, or project design.” Therefore, all mitigation measures as listed in this MMRP will be adopted by the County Planning Commission when the project is approved.

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| Impact   | Mitigation Measure   | Implementation Responsibility/Timing   | Monitoring Responsibility   | Verified Implementation   |
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| <b>BIOLOGICAL RESOURCES</b>  |  |  |   |   |
| <p><b>Impact:</b> Fuel management activities, fire road construction, or vault toilet installation could impact California strawberry, a species protected by Policy 7.49 of the County LCP, through trampling or inhibiting growth of individuals from dispersed chipped material or other vegetative debris.</p> | <p><b>Mitigation Measure BLGY-1. California Strawberry Pre-Construction Survey.</b> Within one year of project activities, a qualified biologist shall conduct a pre-construction survey for California Strawberry during the appropriate blooming period (February to March) to determine if this species is present within and adjacent to the vault toilet construction, South Ridge Fire Road, and fuel management work areas. If this species is absent, no further surveys or measures are required. If this species is present, comply with Policy 7.49 of the Sant Mateo County Local Coastal Program (LCP), which would include the following measures:</p> <ul style="list-style-type: none"> <li>• If the California strawberry is present in proposed work areas, a qualified professional doing work in strawberry breeding shall determine the value of the plant patch. If the breeder determines that the patch has significant value, project activities shall be designed to avoid direct impacts on the strawberry. Under the direction of the qualified biologist, occupied areas shall be marked with high visibility physical barriers such as orange construction fencing to delineate Environmentally Sensitive Areas (ESAs) where the strawberries are present. For activities involving the use of mechanical equipment, the fencing will be installed around plant occurrences including a 50-foot disturbance-free buffer. For activities involving the use of hand tools, high-visibility flagging may be installed in place of construction fencing, around plant occurrences including a 10-foot disturbance free buffer. In all cases, ESAs shall include signage that states that the area shall be avoided.</li> </ul> | <p><b>Implementation:</b> by Qualified Biologist</p> <p><b>Timing:</b> Survey during the California strawberry blooming season before project initiation. Preparation of HMMP upon determination of presence of California strawberry within project disturbance area.</p> | <p><b>Monitoring:</b> The qualified biologist shall prepare a memo or letter report documenting the methods and results of the California strawberry surveys to be submitted to County Parks.</p> | <p><b>Survey Results</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Plan Submittal</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|        | <ul style="list-style-type: none"> <li>• If project activities cannot avoid areas high value strawberry patches and would result in the destruction of plants, a Habitat Mitigation Monitoring Plan (HMMP) shall be developed to ensure that impacts are appropriately mitigated. At a minimum, the HMMP shall:               <ul style="list-style-type: none"> <li>○ Describe proposed impacts to the species.</li> <li>○ Proposed mitigation including some combination of transplantation or reestablishment of impacted populations and/or preservation and management of existing populations.</li> <li>○ Identify success criteria, including achieving the establishment of a new viable occurrences of the strawberry or re-establishment of the strawberry, equal or greater in extent and numbers to the affected occurrence.</li> <li>○ Provide a detailed implementation plan, including relocation methods as well as a schedule for completing and monitoring the relocation.</li> <li>○ Set goals and performance criteria for transplants or plantings, including (a) survivorship, (b) density, (c) percent cover, and (d) control of invasive weeds with a California Invasive Plant Council Inventory (Cal-IPC) rating of moderate or high.</li> <li>○ Specify a minimum monitoring period of 3 years, with annual reports.</li> <li>○ Identify contingency and adaptive management measures if the relocation or reestablishment plantings are not meeting success criteria.</li> </ul> </li> <li>• Update the HMMP on an as-needed basis. Because some projects would be initiated over the course of several years, additional pre-</li> </ul> |                                      |                           |                         |

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|  | <p>activity surveys may detect new California strawberry patches. In that case, if direct impacts on this species cannot be avoided during successive fuel treatment projects, the County will amend the HMMP with applicable information on new impacts and mitigation as outlined above.</p>   |  |  |  |
| <p><b>Impact:</b> Fuel reduction will occur in grassland habitat where burrowing owls could potentially occur resulting in potential injury or mortality of wintering owls if present.</p> | <p><b>Mitigation Measure BLGY-2a. Burrowing Owl Pre-activity Survey and Avoidance.</b> Pre-activity surveys for burrowing owls will be conducted prior to the initiation of all project activities within suitable habitat (e.g., grassland, rocky outcrop, and scrub habitats) in the Highest and Moderate fuel reduction treatment effectiveness areas. Although burrowing owls are not expected to breed on the site, surveys shall be conducted year-round to detect potential dispersing juveniles, non-breeding adults, wintering, and migrating individuals. If burrowing owls are observed during the surveys, then Mitigation Measure BLGY-2b will be implemented.</p> <ul style="list-style-type: none"> <li>• Pre-construction surveys will be completed in conformance with the CDFW's 2012 guidelines (CDFG 2012), or any more current protocols if any become available, which include the following:</li> <li>• At least 14 days prior to the onset of vegetation mowing/removal or ground disturbing activities, an initial habitat assessment will be conducted in suitable habitat (e.g., grassland, rocky outcrop, and scrub habitats) by a qualified biologist to determine if suitable burrowing owl habitat is present. A qualified biologist is an individual who has a degree in biological sciences or related resource management with a minimum of two seasonal years post-degree experience</li> </ul> | <p><b>Implementation:</b> by Qualified Biologist<br/> <b>Timing:</b> Prior to start of project activities (Mitigation Measure BLGY-2a) and during project activities (Mitigation Measure BLGY-2b).</p> | <p><b>Monitoring:</b> The Qualified Biologist shall prepare a memo or letter report documenting the methods and results of the burrowing owl surveys to be submitted to County Parks.</p> <p>If Mitigation Measure BLGY-2b is required, a post-construction report shall be prepared documenting compliance with the requirements of this measure.</p> | <p><b>Survey Results</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Avoidance / Minimization Measures</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|        | <p>conducting surveys for burrowing owl. During or following academic training, the qualified biologist will have achieved a high level of professional experience and knowledge in biological sciences and special-status species identification, ecology, and habitat requirements.</p> <ul style="list-style-type: none"> <li>• During the habitat assessment, the biologist will survey the entire activity area for burrows that could be used by burrowing owls, including burrows of the California ground squirrel (<i>Otospermophilus beecheyi</i>), American badger (<i>Taxidea taxus</i>), striped skunk (<i>Mephitis mephitis</i>), or coyote (<i>Canis latrans</i>) for nesting and roosting, and signs of use (e.g., feathers, pellets, whitewash).</li> <li>• The survey shall also include all areas within 250 feet of the site, as access allows.</li> <li>• If no suitable burrowing owl habitat is present, no additional surveys will be required.</li> <li>• If suitable burrows and signs of activity are found, an additional survey shall be conducted within the 24-hour period prior to the initiation of project activities in any given area.</li> </ul> <p><b>Mitigation Measure BLGY-2b: Implement Buffer Zones for Burrowing Owls.</b> If burrowing owls are determined to be present, a 150-foot buffer zone will be maintained around the occupied burrow(s). If maintaining such a buffer is not feasible, then the buffer must be great enough to avoid injury or mortality of individual owls, as determined by the qualified biologist. No ground-disturbing activities will occur in the buffer until it is determined that the owl has vacated the area. If avoidance of occupied habitat cannot be avoided, the owl(s) will be passively relocated by the qualified biologist using one-way doors, which should be installed in all</p> |                                      |                           |                         |

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|   | <p>burrows within the impact area and left in-place for at least two nights. These one-way doors will then be removed and the burrows back-filled immediately prior to vegetation mowing/removal or grading. If relocation occurs during the breeding season (February 1 – August 31) owls will not be relocated unless the biologist can determine that the owls are not actively breeding.</p>   |   |   |  |
| <p><b>Impact:</b> Vegetation removal for fuel reduction could remove habitat supporting crotch bumble bee and obscure bumble bee,</p> | <p><b>Mitigation Measure BLGY-3. Reconnaissance and Focused Surveys.</b> Within one year of initiation of the Project, a qualified biologist shall conduct a reconnaissance survey of all proposed treatment areas in potentially suitable habitat (grassland and scrub habitats) to assess the suitability of the habitat for the crotch bumble bee and obscure bumble bee, including potential foraging, nesting, and overwintering habitat that may support these species. If suitable habitat is present, focused surveys shall be conducted within the year that each treatment project is scheduled to occur. Reconnaissance and focused surveys should be conducted during the flight season (March - September), timed to occur when detection probability is highest, including surveys in early spring (early April) and early summer (early July). Focused surveys should be conducted during two to four evenly spaced sampling periods during the flight season. Surveys shall be conducted by a qualified biologist with knowledge in the life history and ecology of special-status bumble bees and has a minimum of two field seasons of experience conducting focused surveys for these species.</p> <p>If focused surveys do not identify occupied or suitable habitat, no additional surveys and mitigation are warranted. If treatment project sites are occupied by special-status bumble bees or</p> | <p><b>Implementation:</b> by Qualified Biologist<br/> <b>Timing:</b> During the bee flight season (March – September) prior to start of project activities.</p> | <p><b>Monitoring:</b> The Qualified Biologist shall prepare a memo or letter report documenting the methods and results of the surveys to be submitted to County Parks.</p> | <p><b>Survey Results</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Avoidance / Minimization Measures</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|        | <p>suitable habitat, Mitigation Measure BLGY-4 shall be implemented.</p> <p><b>Mitigation Measure BLGY-4. Bumble Bee Avoidance Measures.</b> If focused surveys identify occupied or suitable habitat within the project footprint, the following avoidance measures shall be implemented.</p> <p>a)<b>Avoid Treatment Activities During Active Bumble Bee Season.</b> To the extent feasible, conduct all treatment activities during the time of year when bees are not active (October – February) of any given year. If avoidance of the active bumble bee season is not feasible, implement b) below.</p> <p>b)<b>Avoid Injury and Mortality to Bumble Bee Colonies.</b> If treatment activities cannot avoid the active bumble bee season, the biologist should establish no-work buffers around active nest colonies identified during surveys. The size and configuration of the no-work buffer would be based on the best professional judgment of the biologist. At a minimum, the buffer should provide at least 20 feet of clearance around nest entrances for manual treatment activities with motorized and non-motorized hand tools, and 40 feet of clearance for treatment activities with heavy equipment, but may be adjusted as determined by the qualified biologist using the most current and commonly accepted science and published guidance. Construction activities should not occur within the no-work zone buffers until the colony is no longer active (i.e., no bees are seen flying in or out of the nest for three consecutive days), as determined by the qualified biologist.</p> <p>c)<b>Maintain Habitat Function for Special-Status Bumble Bees.</b> To the extent feasible, treatment</p> |                                      |                           |                         |



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|   | <p>activities will be designed to maintain habitat function including maintaining some amount of foraging (i.e., floral resources) and nesting habitat for special-status bumble bees during implementation of all treatment activities in occupied or suitable habitat in two ways. First, habitat function should be maintained by dividing suitable habitat into a smaller number of treatment units so that the entire treatment area is treated across two or more years. This method will maintain suitable habitat for special-status bumble bees during treatment activities and temporary retention of floral resources in the treatment area. Second, maintenance of habitat function shall also be achieved by conducting treatment activities in a patchy pattern such that entire habitat patches (e.g., entire northern coastal scrub habitat on the southern portion of the site) are not treated/removed and untreated portions of occupied or suitable habitat are retained.</p> <p>d) <b>Avoidance of Impacts on Bumble Bees from Herbicide Application.</b> If suitable foraging, nesting, or wintering habitat is present in a proposed work area that supports occupied or suitable habitat for special-status bumble bees, no herbicides will be applied to plants that are in bloom, including any native and non-native plants. Prohibit the use of the herbicide paraquat dichloride at any time, regardless of blooming, in suitable foraging, nesting, or potential wintering habitat of special-status bees.</p> |   |   |   |
| <p><b>Impact:</b> Tree removal could impact non-special-status roosting bats protected by the</p> | <p><b>Mitigation Measure BLGY-5. Roosting Bat Surveys and Avoidance.</b> To minimize impacts on maternity colonies during the maternity season (March 15 – August 31) or non-reproductive bats</p>   | <p><b>Implementation:</b> by Qualified Biologist<br/><b>Timing:</b> Prior to and during project activities.</p> | <p><b>Monitoring:</b> The Qualified Biologist shall prepare a memo or letter report documenting the</p> | <p><b>Survey Results</b><br/><b>Initials:</b> _____</p> |

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| <p>California Fish and Game Code.</p> | <p>during winter torpor season (November 1 – March 1) the following measures will be implemented:</p> <p>In the year of project activities, a qualified biologist shall conduct a bat habitat assessment and map with a GIS device and mark all trees in the work area that support potentially high-quality roost trees.</p> <p>If work is planned to occur during the maternity season, no more than 30 days prior to project activities, a qualified biologist shall conduct a pre-activity survey for roosting bats of all suitable roost trees that were identified during the habitat assessment. The biologist will conduct a survey to look for evidence of bat use within suitable habitat. If evidence of use is observed, or if high-quality roost sites are present in areas where evidence of bat use might not be detectable, an evening emergence survey and/or a nocturnal acoustic survey may be necessary to determine if a bat colony is present and to identify the specific location of the bat colony.</p> <p>If no active maternity colony or non-breeding bat roost is located, project work can continue as planned.</p> <p>If an active maternity colony or non-breeding roost is located, the project work will be modified to avoid disturbance of the roosts, to the extent feasible.</p> <p>If an active maternity colony is located and Project work cannot be modified to avoid removal or disturbance of the occupied tree, disturbance will be scheduled to take place outside the maternity roost season (April 15–August 31), and a disturbance-free buffer zone (determined by a qualified bat biologist) will be implemented during the maternity roost season.</p> |                                      | <p>methods and results of the roosting bat survey(s) to be submitted to County Parks.</p> <p>If a bat roost is found, the roost buffer and monitoring shall be documented and submitted to County Parks. If the bat roost cannot be avoided, the eviction method and monitoring shall also be documented and submitted to County Parks.</p> | <p><b>Date:</b> _____</p> <p><b>Avoidance / Minimization Measures</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|   | <p>If an active non-breeding bat roost is located and project work cannot be modified to avoid removal of the occupied tree, the tree will be removed using methods using a two-day phased method as follows:</p> <p>Day 1, under supervision of a qualified biologist, tree limbs or treetop (tree topping) not containing suitable bat roosting habitat will be removed using chainsaws only; then</p> <p>Day 2, the rest of the tree can be removed.</p> <p>Because bats are rarely detected during the deep torpor period, no surveys are recommended during this time. Instead, if high-quality roost trees are proposed to be removed during the deep torpor season, the County will avoid the removal only of the suitable roost trees to the extent feasible to avoid mortality to hibernating bats.</p> <p>The County will also follow any applicable measures in CDFW Streambed Alternation Agreement permits.</p> |   |   |   |
| <p><b>Impact:</b> Vegetation removal for fuel reduction could alter the functions and values of the wildlife habitat in non-timber woodlands.</p> | <p><b>Mitigation Measure BLGY-6. Fuel Management Plan.</b> The County shall prepare a management plan to ensure that sensitive resources are not impacted by fuel reduction activities. The plan shall be prepared by a wildland resources expert in coordination with a biologist/ecologist knowledgeable about the habitats. The plan shall include the following:</p> <ul style="list-style-type: none"> <li>• Describe the purpose of the management plan and focus on protection of biological resources while reducing fuels and providing buffer zones.</li> <li>• Identify the different vegetation treatments associated with fuel reduction areas or zones, if applicable.</li> </ul>  | <p><b>Implementation:</b> by County Parks or its Contractor</p> <p><b>Timing:</b> Prior to start of project activity.</p> | <p><b>Monitoring:</b> The Fuel Management Plan shall be submitted to County Parks Director for review and approval. County Project Manager or its Contractor shall submit a written report confirming implementation of the Fuel Management Plan.</p> | <p><b>Plan Submittal</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Report Submittal</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|        | <ul style="list-style-type: none"> <li>• Describe the sensitive resources and how they will be protected. In particular, the plan shall include protection measures for special-status wildlife that occur or are known to occur in non-timber woodland and other habitats that would be impacted by the Project site including the San Francisco dusky-footed woodrat, California red-legged frog, San Francisco garter snake, burrowing owl, crotch bumble bee, monarch butterfly, special-status birds, common nesting birds and roosting bats; and special-status plants including Hickman's cinquefoil, Marin checker lily, bent-flowered fiddleneck, western leatherwood, perennial goldfields, Oregon polemonium, and San Mateo tree lupine.</li> <li>• Provide BMPs for fuel management, which may include the following:               <ul style="list-style-type: none"> <li>○ seasonal restrictions on removal of vegetation</li> <li>○ restrictions on removal of native vegetation</li> <li>○ pre-activity surveys for sensitive species (e.g., special-status plants and wildlife)</li> <li>○ protection measures for sensitive species and habitats (e.g., fencing)</li> <li>○ worker environmental awareness training</li> <li>○ vegetation disposal guidelines</li> <li>○ describe protection measures for sensitive resources such as temporary fencing and worker training</li> <li>○ map sensitive resources (e.g., dusky-footed woodrat nests, rare plants [if found]) with GPS or other method that allows them to be searched for in subsequent years</li> <li>○ biological monitoring requirements</li> </ul> </li> </ul> |                                      |                           |                         |

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|  | <ul style="list-style-type: none"> <li>○ guidelines for herbicide treatments and herbicides that should be avoided</li> <li>○ avoidance of removal of native species to the extent practicable</li> <li>○ description of sensitive habitats to avoid</li> </ul>  |  |  |   |
| <b>HAZARDS AND HAZARDOUS MATERIALS</b>   |  |  |  |   |
| <p><b>Impact:</b> Operation and maintenance of equipment could introduce hazardous materials into the environment.</p> | <p><b>Mitigation Measure HAZ-1: Use of Best Management Practices.</b> The County shall require the construction contractor use the following best management practices (BMPs) to minimize potential release of hazardous materials used during construction activities:</p> <ul style="list-style-type: none"> <li>● Follow manufacturer’s directions on use, storage and disposal of chemical products used in construction;</li> <li>● Avoid overtopping construction equipment fuel gas tanks;</li> <li>● Provide secondary containment for any hazardous materials temporarily stored on site;</li> <li>● During routine maintenance of construction equipment, properly contain and remove grease and oils;</li> <li>● Perform regular inspections of construction equipment and materials storage areas for leaks and maintain records documenting compliance with the storage, handling and disposal of hazardous materials; and</li> <li>● Properly dispose of discarded containers of fuels and other chemicals.</li> </ul> | <p><b>Implementation:</b> by County Parks or its Contractor<br/><b>Timing:</b> Prior to and during project activities.</p> | <p><b>Monitoring:</b> The Project Manager shall provide written verification to County Parks that BMPs were implemented.</p> | <p><b>Best Management Practices</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |
| <b>HYDROLOGY/WATER QUALITY</b>   |  |  |  |   |
| <p><b>Impact:</b> Fire road construction would disturb project soils</p>   | <p><b>Mitigation Measure HYD-1: Stormwater Pollution Prevention Plan.</b> The County shall, by contract specifications, ensure contractors prepare and</p>   | <p><b>Implementation:</b> by County Parks or its</p>   | <p><b>Monitoring:</b> The Stormwater Pollution Prevention Plan shall</p>   | <p><b>Plan Submittal</b></p>  |

| Impact                                   | Mitigation Measure   | Implementation Responsibility/Timing   | Monitoring Responsibility   | Verified Implementation  |
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| <p>and could result in soil erosion.</p> | <p>implement a SWPPP for each phase of the proposed project to be implemented involving grading or earthwork activity. Erosion control measures shall be in place prior to the start of each phase's respective construction activities and remain in place throughout the construction duration. The plan must provide a BMP monitoring and maintenance schedule and identify parties responsible for monitoring and maintenance of construction-phase BMPs. Erosion and water quality control measures identified in the plan must comply with the Construction Site Control requirements (C.6) of the San Francisco Bay Region Municipal Regional Stormwater NPDES Permit (Order No. R2-2015-004922), and the County's standard Water Pollution Control Plan specifications. At a minimum, the SWPPP shall include, but not be limited to, the following measures (County of San Mateo, 2017):</p> <ul style="list-style-type: none"> <li>• Temporary erosion control measures (such as silt fences, staked straw bales, and temporary revegetation) shall be employed for disturbed areas. No disturbed surfaces will be left without erosion control measures in place.</li> <li>• Sediment shall be retained on-site by a system of sediment basins, traps, or other appropriate measures.</li> <li>• A spill prevention and countermeasure plan shall be developed that will identify proper storage, collection, and disposal measures for potential pollutants (such as fuel, fertilizers, pesticides, etc.) used on-site. The plan will also require the proper storage, handling, use, and disposal of petroleum products.</li> <li>• Construction activities shall be scheduled to minimize land disturbance during peak runoff</li> </ul> | <p>Contractor</p> <p><b>Timing:</b> Prior to (preparation of stormwater pollution prevention plan) and during construction (implementation of the plan).</p> | <p>be included in final project design and construction documents, and County Parks or its designee shall oversee its implementation.</p> | <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Monitoring Completion:</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |

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|        | <p>periods and to the immediate area required for construction.</p> <ul style="list-style-type: none"> <li>• Existing vegetation will be retained where possible. To the extent feasible, grading activities shall be limited to the immediate area required for construction.</li> <li>• Surface waters, including ponded waters, must be diverted away from areas undergoing grading, construction, excavation, vegetation removal, and/or any other activity which may result in a discharge to the receiving water. Diversion activities must not result in the degradation of beneficial uses or exceedance of water quality objectives of the receiving waters. Any temporary dam or other artificial obstruction constructed must only be built from materials such as clean gravel which will cause little or no siltation. Normal flows must be restored to the affected stream immediately upon completion of work at that location.</li> <li>• Sediment shall be contained when conditions are too extreme for treatment by surface protection. Temporary sediment traps, filter fabric fences, inlet protectors, vegetative filters and buffers, or settling basins shall be used to detain runoff water long enough for sediment particles to settle out. Store, cover, and isolate construction materials, including topsoil and chemicals, to prevent runoff losses and contamination of groundwater.</li> <li>• Topsoil removed during construction shall be carefully stored and treated as an important resource. Berms shall be placed around topsoil stockpiles to prevent runoff during storm events. All removed topsoil shall be reused during construction to the extent feasible. Unused</li> </ul> |                                      |                           |                         |

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|   | <p>topsoil, if any, shall be broadly redistributed to the surrounding ruderal/developed areas in such a manner that topography and vegetation cover would not be adversely impacted.</p> <ul style="list-style-type: none"> <li>• Establish fuel and vehicle maintenance areas away from all drainage courses and design these areas to control runoff.</li> <li>• Disturbed areas will be re-vegetated after completion of construction activities.</li> <li>• All necessary permits and approvals shall be obtained.</li> <li>• Provide sanitary facilities for construction workers.</li> </ul>   |  |   |   |
| <b>TRANSPORTATION</b>   |  |  |   |   |
| <p><b>Impact:</b> Project construction related vehicles and equipment would interact with other vehicles, bicyclists, and pedestrians accessing the adjacent residences and Quarry County Park and could create traffic safety hazards.</p> | <p><b>Mitigation Measure TRA-1: Traffic Control Plan.</b> The County shall require the construction contractor(s) to prepare and implement a traffic control plan to reduce traffic impacts on the roadways at and near the work sites, as well as to reduce potential traffic safety hazards and ensure adequate access for emergency responders and construction vehicles, as appropriate. To the extent applicable, the traffic control plan shall conform to the California Manual on Uniform Traffic Control Devices (MUTCD), Part 6 (Temporary Traffic Control) (Caltrans 2014). The traffic control plan shall include, but not be limited to, the following elements:</p> <ul style="list-style-type: none"> <li>• Circulation and detour plans to minimize impacts on local road circulation during road and lane closures. Flaggers and/or signage shall be used to guide vehicles through and/or around the construction zone.</li> </ul> | <p><b>Implementation:</b> by County Parks or its Contractor</p> <p><b>Timing:</b> Prior to (preparation of construction traffic management plan) and during construction (implementation of the plan).</p> | <p><b>Monitoring:</b> The construction traffic management plan shall be included in final project design and construction documents, and County Parks or its designee shall oversee its implementation.</p> | <p><b>Plan Submittal</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> <p><b>Monitoring Completion:</b></p> <p><b>Initials:</b> _____</p> <p><b>Date:</b> _____</p> |



| Impact | Mitigation Measure  | Implementation Responsibility/Timing | Monitoring Responsibility | Verified Implementation |
|--------|---|--------------------------------------|---------------------------|-------------------------|
|        | <ul style="list-style-type: none"> <li>• Identifying truck routes designated by the County. Haul routes that minimize truck traffic on local roadways shall be utilized to the extent possible.</li> <li>• Sufficient staging areas for trucks accessing construction zones to minimize disruption of access to adjacent public right-of-ways.</li> <li>• Controlling and monitoring construction vehicle movement through the enforcement of standard construction specifications by on-site inspectors</li> <li>• Scheduling truck trips outside the peak morning and evening commute hours to the extent possible.</li> <li>• Limiting the duration of road and lane closures to the extent possible.</li> <li>• Implementing roadside safety protocols. Advance “Road Work Ahead” warning and speed control signs (including those informing drivers of State legislated double fines for speed infractions in a construction zone) shall be posted to reduce speeds and provide safe traffic flow through the work zone.</li> <li>• Coordinating construction administrators of emergency service providers (including all fire protection agencies), and recreational facility managers. Operators shall be notified at least one month in advance of the timing, location, and duration of construction activities and the locations of detours and lane closures, where applicable. All roads shall remain passable to emergency service vehicles at all times.</li> <li>• Repairing and restoring affected roadway rights-of-way to their original condition after construction is completed.</li> </ul> |                                      |                           |                         |