

MITIGATION MONITORING AND REPORTING PROGRAM

Pursuant to Public Resources Code Section 21081.6, the County of San Bernardino has prepared this Mitigation Monitoring and Reporting Program (MMRP) for the Hume SoCal Campground Expansion Project. The MMRP is designed to ensure implementation of the mitigation measures identified in the Mitigated Negative Declaration (MND) and establishes the timing, monitoring responsibility, and verification procedures associated with each adopted mitigation measure.

Mitigation Measures	Responsibility for Implementation	Timing	Responsibility for Monitoring	Monitor (Signature Required) (Date of Compliance)
AIR QUALITY				
MM AQ-1: Prior to issuance of grading permits, the applicant shall prepare and submit documentation to the County of San Bernardino that demonstrate the following: All off-road diesel-powered construction equipment greater than 50 horsepower meets California Air Resources Board Tier 4 Final off-road emissions standards. Requirements for Tier 4 Final equipment shall be included in applicable bid documents and successful contractor(s) must demonstrate the ability to supply such equipment. A copy of each unit's Best Available Control Technology (BACT) documentation (certified tier specification or model year specification), and CARB or SCAQMD operating permit (if applicable) shall be provided to the County at the time of mobilization of each applicable unit of equipment.	Project Applicant; Contractor(s)	Prior to issuance of grading permits.	County of San Bernardino; Land Use Services Department	
BIOLOGICAL RESOURCES				
MM BIO-1: In order to protect special-status wildlife species such as the arroyo toad (<i>Bufo californicus</i>), California spotted owl (<i>Strix occidentalis occidentalis</i>), Southern rubber boa (<i>Charina umbratica</i>), and San Bernardino flying squirrel (<i>Glaucomys oregonensis californicus</i>), a pre-construction clearance survey shall be conducted prior to any ground disturbance or vegetation removal activities that may disrupt the species. The Proposed Project biologist shall ensure that impacts to any special-status wildlife observed during preconstruction clearance surveys are reduced or avoided such that impacts are less than significant (e.g., avoidance buffers, relocation from harm's way, etc.).	Project Applicant; Qualified Biologist	prior to any ground disturbance or vegetation removal activities.	County of San Bernardino; Land Use Services Department	

MM BIO-2: In order to avoid violation of the Migratory Bird Treaty Act (MBTA) and the California Fish and Game Code, site-preparation activities (removal of trees and vegetation) for all Projects shall be avoided, to the greatest extent possible, during the nesting season (generally February 1 to August 31) of potentially occurring native and migratory bird species, including the golden eagle, bald eagle, and California spotted owl. If Project development is proposed during the nesting/breeding season (February 1 to August 31), a pre-activity field survey shall be conducted by a qualified biologist prior to ground disturbance to determine if active nests of species protected by the MBTA or the California Fish and Game Code are present in the construction zone. If active nests are not located within the construction zone during the implementation of the Project and there is a buffer of 500 feet from an active listed species or raptor nest, 300 feet of other sensitive or protected bird nests (nonlisted), or 100 feet of sensitive or protected songbird nests, then construction activity may occur during the nesting/breeding season. However, if active nests are located during the pre-activity field survey, no grading or heavy equipment activity shall take place within at least 500 feet of an active listed species or raptor nest, 300 feet of other sensitive or protected (under MBTA or California Fish and Game Code) bird nests (nonlisted), or within 100 feet of sensitive or protect songbird nests until the nest is no longer active.	Project Applicant; Qualified Biologist	Prior to ground disturbance scheduled to coincide with Migratory Bird Nesting Season (February 1 to August 31)	County of San Bernardino; Land Use Services Department	
CULTURAL RESOURCES				
MM CUL-1: If archaeological resources are exposed during construction of the Project, all ground disturbing activities within 50 feet of the potential resource(s) shall be suspended. A qualified archaeologist, meeting the Secretary of the Interior's Professional Qualification Standards, shall evaluate the significance of the find and determine whether or not additional study is warranted. Depending upon the significance of the find, the archaeologist may simply record the find and allow work to continue. If the discovery proves significant under CEQA, additional work, such as preparation of an archaeological treatment plan, testing, or data recovery, may be warranted and shall be submitted to the Development Services Director or his/her designee. If the resource(s) are determined to be Native American in origin, the Project archaeologist shall notify the appropriate Native American Tribe(s) from a list provided by the County.	Project Applicant; Qualified Archaeologist	During construction of the project.	County of San Bernardino; Land Use Services Department And Project Applicant	

MM CUL-2: Monitoring and Treatment Plan: A Monitoring and Treatment Plan that is reflective of the project mitigation (“Cultural Resources” and “Tribal Cultural Resources”) shall be completed by the archaeologist and submitted to the Lead Agency for dissemination to the Yuhaaviatam of San Manuel Nation Cultural Resources Management Department (YSMN, also known as San Manuel Band of Mission Indians). Once all parties review and approve the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.	Project Applicant; Qualified Archaeologist And County of San Bernardino; Land Use Services Department/Planning Division	Prior to permitting.	County of San Bernardino; Land Use Services Department	
MM CUL-3: Archaeological Monitoring: Due to the heightened cultural sensitivity of the proposed project area, an archaeological monitor with at least 3 years of regional experience in archaeology shall be present for all ground-disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). A sufficient number of archaeological monitors shall be present each work day to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage.	Project Applicant; Qualified Archaeological Monitor	During all ground- disturbing activities.	County of San Bernardino; Land Use Services Department/Planning Division And Qualified Archaeological Monitor	
MM CUL-4: Worker Environmental Awareness Program: Prior to project initiation, a qualified archaeologist should be retained to conduct a Worker’s Environmental Awareness Program (WEAP) training on archaeological sensitivity for all construction personnel prior to the commencement of any ground-disturbing activities. The training should be conducted by an archaeologist who meets or exceeds the Secretary of Interior’s Professional Qualification Standards for archaeology. Tribal representatives from the Consulting Tribes, such as Yuhaaviatam of San Manuel Nation Cultural Resources Management Department (YSMN, also known as San Manuel Band of Mission Indians) will be allowed to attend and/or participate in the WEAP training should they elect to and will be given ten days’ notice prior to the training. Archaeological sensitivity training should include a description of the types of cultural material that may be encountered, cultural sensitivity issues, regulatory issues, and the proper protocol for treatment of the materials in the event of a find.	Project Applicant; Qualified Archaeologist	Prior to the commencement of any ground- disturbing activities.	County of San Bernardino; Land Use Services Department	

MM CUL-5: If previously unknown cultural resources, including human remains, are identified during grading activities, a qualified archaeologist shall be retained to assess the nature and significance of the find. If human remains are encountered, State Health and Safety Code Section 7050.5 states that no further disturbance shall occur until the County Coroner has made a determination of origin and disposition pursuant to Public Resources Code Section 5097.98. The County Coroner shall be notified of the find immediately. If the remains are determined to be prehistoric, the Coroner shall notify the NAHC, which shall determine and notify a Most Likely Descendant (MLD). With the permission of the landowner or his/her authorized representative, the MLD may inspect the site of the discovery. The MLD shall complete the inspection within 24 hours of notification by the NAHC. The MLD may recommend scientific removal and nondestructive analysis of human remains and items associated with Native American burials.	Project Applicant; Qualified Archaeologist	During grading activities.	County of San Bernardino; Coroner And Project Applicant	
GEOLOGY AND SOILS				
MM GEO-1: Prior to the issuance of grading permits and/or building permits (where ground disturbing activities greater than 12 inches in depth would occur), the County shall review all Project plans for grading, foundation, structural, infrastructure, and all other relevant construction permits to ensure compliance with the applicable recommendations from the Geotechnical Report and other applicable code requirements. As specified in the Preliminary Geotechnical Report for the Proposed Hume SoCal Campground Redevelopment and Expansion Project by Leighton and Associates, Inc. (Leighton), adverse geologic structure could be exposed during construction, despite a lack of observable signs of adverse geologic structure. Therefore, a qualified Geologist should be present at the time of any temporary or permanent cuts to observe and map exposed geologic structure, as needed. Geotechnical observation and testing should be provided during the following activities: • Upon completion of site clearing, where applicable; • During site earthwork; • Compaction of all fill materials; • During installation of temporary shoring, wherever needed; • After foundation excavations and prior to placement of concrete; • Foundation pile and retaining wall construction; • Utility trench backfilling and compaction; and	Project Applicant; Qualified Geologist	Prior to the issuance of grading permits and/or building permits. And During any temporary or permanent cuts.	County of San Bernardino; Land Use Services Department	

• When any unusual conditions are encountered. Additionally, during their geologic investigation of the Project site, Leighton observed localized areas of exposed bedrock that pose the potential for rockfall. During the development phase of the Project, a qualified Geologist should examine areas upslope of planned improvements in more detail, and designate boulders posing a potential rockfall hazard. The boulders should be eliminated as part of the construction process, by either removal or breaking the rock in-place. As noted in the Geotechnical Report, the potential for debris flows is considered a potential hazard at the site as areas surrounding planned improvements will remain undisturbed or subject to little modification. A consideration of this hazard should be evaluated as a part of site development, especially where buildings are cited in canyon bottom areas or side-slopes. The mitigation of debris flow hazards can include installation of drainage diversion devices such as sandbags, K-Rails, Hydro Barriers, etc., placed along known flow paths to divert runoff. Final Project grading and foundation plans should be reviewed by Leighton as part of the design development process to ensure that Geotechnical Report recommendations are incorporated in Project plans.				
HYDROLOGY AND WATER QUALITY				
MM HYD-1: The Applicant shall conduct well drawdown tests, recovery testing, and water quality retesting before proceeding with each phase, for the wells serving that phase, and use the results to confirm the phase water supply strategy and any required treatment.	Project Applicant	Prior to approval of each phase	County of San Bernardino; Land Use Services Department	
TRIBAL CULTURAL RESOURCES				
TCR-1: Tribal Monitoring Due to the heightened cultural sensitivity of the proposed project area, at the discretion of the consulting tribe(s), Tribal monitor(s) authorized to represent YSMN shall be present for all ground disturbing activities that occur within the proposed project area (which includes, but is not limited to, tree/shrub removal and planting, clearing/grubbing, grading, excavation, trenching, compaction, fence/gate removal and installation, drainage and irrigation removal and installation, hardscape installation [benches, signage, boulders, walls, seat walls, fountains, etc.], and archaeological work). At the discretion of	Tribal Monitor(s)	During ground disturbing activities.	Yuhaaviatam of San Manuel Nation Cultural Resources Management Department (YSMN, also known as San Manuel Band of Mission Indians)	

the consulting tribes, a sufficient number of Tribal monitors shall be present each workday to ensure that simultaneously occurring ground disturbing activities receive thorough levels of monitoring coverage. A Monitoring and Treatment Plan that is reflective of the project mitigation ("Cultural Resources" and "Tribal Cultural Resources") shall be completed by the archaeologist, as detailed within CUL-1, and submitted to the Lead Agency for dissemination to the Yuhaaviatam of San Manuel Nation Cultural Resources Management Department (YSMN). Once all parties review and agree to the plan, it shall be adopted by the Lead Agency – the plan must be adopted prior to permitting for the project. Any and all findings will be subject to the protocol detailed within the Monitoring and Treatment Plan.				
TCR-2: Treatment of Cultural Resources During Project Implementation If a pre-contact cultural resource is discovered during project implementation, ground-disturbing activities shall be suspended 60 feet around the resource(s), and an Environmentally Sensitive Area (ESA) physical demarcation/barrier constructed. The Project Archaeologist shall develop a research design that shall include a plan to evaluate the resource for significance under CEQA criteria. Representatives from YSMN, the Archaeologist, and the Lead Agency shall confer regarding the research design, as well as any testing efforts needed to delineate the resource boundary. Following the completion of evaluation efforts, all parties shall confer regarding the resource's archaeological significance, its potential as a Tribal Cultural Resource (TCR), and avoidance (or other appropriate treatment) of the discovered resource. Removal of any cultural resource(s) shall be conducted with the presence of a Tribal monitor representing the Tribe, unless otherwise decided by YSMN. All plans for analysis shall be reviewed and approved by the applicant and YSMN prior to implementation, and all removed material shall be temporarily curated on-site. It is the preference of YSMN that removed cultural material be reburied as close to the original find location as possible. However, should reburial within/near the original find location during project implementation not be feasible, then a reburial location for future reburial shall be decided upon by YSMN, the landowner, and the Lead Agency, and all finds shall be reburied within this location. Additionally, in this case, reburial shall not occur until all ground-disturbing activities associated with the project have been completed, all monitoring has ceased, all cataloguing and basic recordation of cultural resources have been completed, and a final	Qualified Archaeologist And Yuhaaviatam of San Manuel Nation Cultural Resources Management Department (YSMN, also known as San Manuel Band of Mission Indians) And County of San Bernardino; Land Use Services Department/Planning Division	During project implementation.	Project Applicant	

monitoring report has been issued to Lead Agency, CHRIS, and YSMN. All reburials are subject to a reburial agreement that shall be developed between the landowner and YSMN outlining the determined reburial process/location, and shall include measures and provisions to protect the reburial area from any future impacts. Should it occur that avoidance, preservation in place, and on-site reburial are not an option for treatment, the landowner shall relinquish all ownership and rights to this material and confer with YSMN to identify an American Association of Museums (AAM)-accredited facility within the County that can accession the materials into their permanent collections and provide for the proper care of these objects in accordance with the 1993 CA Curation Guidelines. A curation agreement with an appropriate qualified repository shall be developed between the landowner and museum that legally and physically transfers the collections and associated records to the facility. This agreement shall stipulate the payment of fees necessary for permanent curation of the collections and associated records and the obligation of the Project developer/applicant to pay for those fees. All draft records/reports containing the significance and treatment findings and data recovery results shall be prepared by the archaeologist and submitted to the Lead Agency and YSMN for their review and comment. After approval from all parties, the final reports and site/isolate records are to be submitted to the local CHRIS Information Center, the Lead Agency, and YSMN.				
TCR-3: Inadvertent Discoveries of Human Remains If human remains or funerary objects are encountered during any activities associated with the project, work in the immediate vicinity (within a 100-foot buffer of the find) shall cease and the County Coroner shall be contacted pursuant to State Health and Safety Code §7050.5 and that code enforced for the duration of the project.	Project Applicant	During any activities associated with the project.	County of San Bernardino; Coroner And Project Applicant	

UTILITIES AND SERVICE SYSTEMS				
MM UTL-1: Prior to approval of each subsequent phase, the Project applicant shall evaluate the available treatment and disposal capacity of the approved on-site wastewater treatment plant (WWTP) to confirm adequate treatment capacity, disposal capacity, operational performance, regulatory compliance, and identify any improvements necessary to accommodate the proposed occupancy increase. These evaluations shall be coordinated with the Project's phased development plan to ensure adequate wastewater treatment and disposal capacity is available prior to occupancy increases associated with each phase. If, in accordance with MM UTL-3, the on-site WWTP is not developed or approved, does not have sufficient capacity to serve a proposed phase, or if additional service from Running Springs Water District (RSWD) is proposed, the Applicant shall coordinate with RSWD and applicable regulatory agencies to evaluate available wastewater treatment and conveyance capacity, downstream gravity sewer system constraints, pump upgrades, storage expansion at both lift stations, and any infrastructure improvements necessary to accommodate the proposed wastewater flows.	Project Applicant	Prior to approval of each subsequent FDP and prior to any occupancy increase associated with the applicable project phase.	County of San Bernardino; Land Use Services Department And Lahontan Regional Water Quality Control Board And Running Springs Water District (RSWD), as applicable	
MM UTL-2: Prior to Final Development Plan Approval (FDP) for Phase III Prior to approval of the Phase III FDP Approval and/or an increase of total guest/staff population which exceeds 1,924 guests, as noted in the Hydraulic Evaluation, the following shall occur: A. As established in a separate agreement, Crestline-Lake Arrowhead Water Agency (CLAWA) shall design, install, and own an upsized water meter assembly and vault, and Hume SoCal Campground (Hume) shall reimburse CLAWA for the same. Hume shall install further infrastructure improvements, designed as required and approved by CLAWA, including the standards and criteria governing wholesale connections, prior to the issuance of the Certificate of Occupancy by San Bernardino County for the final building improvements associated with the construction of Phase III. These improvements shall include the following:	Project Applicant	Prior to approval of the Phase III FDP	County of San Bernardino; Land Use Services Department And Crestline Lake Arrowhead Water Agency (CLAWA)	

• Lateral pipeline upsizing to allow for greater water delivery rates. • Upgrade of existing backflow prevention facilities to accommodate upsized water meter and associated lateral pipeline. • Install an additional on-site water tank to allow for reliable water deliveries. • All construction/improvement plans shall be submitted to both the County and CLAWA for review and approval prior to installation of improvements. B. After Phase III is completed, by October 1 of each year, Hume (or the campground's then-current operator if not Hume) shall prepare an expected peak period camper population (peak population anticipated during summer) and anticipated water supplier expectations memo to the satisfaction of CLAWA staff to determine anticipated water usage demands and service need for the upcoming water year. The guest/staff population and supplier expectations memo shall identify whether Hume anticipates requesting water from CLAWA based on its draft adequate water allocations from the California Department of Water Resources or, rather, if Hume anticipates providing water service from its on-site water storage tanks and other sources for that water year. During extremely low allocation years, or drought years as determined by CLAWA staff, CLAWA may reduce deliveries to Hume or cease them altogether in its discretion, and Hume may be required to reduce guest/staff population at the campground as a result. CLAWA commits to providing as much water to Hume as it can in any given water year while still meeting its obligations to other customers in its service area.				
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MM UTL-3: Prior to Final Development Plan Approval (FDP) for Phase I Prior to approval of the Phase I FDP and/or any increase in guest/staff population that exceeds 300 guests, the Applicant shall demonstrate that adequate wastewater treatment and disposal capacity is available through the approved on-site WWTP or another approved wastewater solution to serve the proposed phase. A. The Applicant shall develop an on-site wastewater treatment plant (WWTP) as the Project's primary wastewater treatment and disposal strategy, subject to approval by the Lahontan Regional Water Quality Control Board, County Environmental Health Services, and other applicable regulatory agencies. B. Approval of the on-site WWTP by the Lahontan Regional Water Quality Control Board shall be obtained prior to operation of the system and prior to occupancy increases that rely upon the system. C. If the proposed on-site wastewater treatment and disposal system is not approved by the Lahontan Regional Water Quality Control Board, occupancy shall remain limited to 300 guests, supported by the existing approved wastewater service infrastructure until an alternative wastewater solution has been identified, approved by the applicable agencies, and implemented. D. Additional service from Running Springs Water District (RSWD) may be utilized as a supplemental or alternative wastewater solution if RSWD confirms available treatment and conveyance capacity and any required infrastructure improvements are approved and constructed to the satisfaction of RSWD, in accordance with MM UTL-1. E. Prior to approval of each subsequent FDP, the Applicant shall demonstrate to the satisfaction of the County that adequate wastewater treatment and disposal capacity exists for the guest/staff population proposed for that phase through the approved on-site WWTP, approved RSWD service, approved infrastructure improvements, or another approved wastewater solution.	Project Applicant	Prior to approval of the applicable FDP and prior to any occupancy increase associated with the applicable project phase.	County of San Bernardino; Land Use Services Department And Lahontan Regional Water Quality Control Board And Running Springs Water District (RSWD), as applicable	
WILDFIRE				

MM WF-1: Evacuation Plan: An Evacuation Plan and Working Guide strongly implemented by the Southern California Hume Lake Christian Camp (“Hume SoCal”) based on CAL FIRE’s “Ready, Set, Go!” model has been developed. The Evacuation Plan and Working Guide would be updated and submitted to Land Use Services for review and approval, upon completion of construction activities for each Phase to ensure adequate preparation for higher campground occupancy. Hume SoCal will also work with local fire agencies and hold annual fire safety and evacuation preparedness informational meetings that will help Hume SoCal Campground guests and employees familiarize themselves with their own “Ready, Set, Go!” evacuation plan.	Project Applicant	During Project Implementation. And Ongoing	County of San Bernardino; Land Use Services Department	
MM WF-2: A qualified SBC Fire third-party fuel modification zone inspector hired by the project applicant shall review the plans and construction materials list prior to bringing combustible materials on site. Additionally, adequate firebreaks at least 50 feet wide shall be created around all grading, site work, and additional construction activities in areas consisting of flammable vegetation. Existing flammable vegetation shall be reduced by 50 percent on vacant lots prior to construction. • All new power lines shall be undergrounded for additional fire safety, and temporary construction power lines may be allowed in areas cleared of combustible vegetation. • Caution must be used to avoid causing erosion or ground (including slope) instability or water runoff due to vegetation removal, management, or maintenance.	Project Applicant; Qualified SBC Fire third-party fuel modification zone inspector	Prior to bringing combustible materials on site.	County of San Bernardino; Land Use Services Department/Planning Division And County of San Bernardino Fire Department	
MM WF-3: On-site landscaping must consist of drought-tolerant, fire-resistive plants and be routinely maintained and watered by an automatic irrigation system that will maintain healthy vegetation with high moisture contents that would minimize ignition of embers from a wildfire.	Project Applicant	During Project Implementation. And Ongoing	County of San Bernardino; Land Use Services Department/Planning Division And County of San Bernardino; Public Works Department And County of San Bernardino Fire Department	