

MITIGATION MONITORING AND REPORTING PROGRAM MURRIETA CREEK MULTI-USE TRAIL PROJECT

The California Environmental Quality Act (CEQA) requires that when a public agency completes an environmental document which includes measures to mitigate or avoid significant environmental effects, the public agency must adopt a reporting or monitoring program. This requirement ensures that environmental impacts found to be significant will be mitigated. The reporting or monitoring program must be designed to ensure compliance during project implementation (Public Resources Code Section 21081.6).

In compliance with Public Resources Code Section 21081.6, the following Mitigation Monitoring and Reporting Checklist has been prepared for the Murrieta Creek Multi-Use Trail project (City Project No. Z10057). This Mitigation Monitoring and Reporting Checklist is intended to provide verification that applicable Conditions of Approval relative to significant environmental impacts are monitored and reported. Monitoring will include: (1) verification that each mitigation measure has been implemented, (2) recordation of the actions taken to implement each mitigation measure, and (3) retention of records in the Murrieta Creek Multi-Use Trail project file.

This Mitigation Monitoring and Reporting Program delineates responsibilities for monitoring the Program, but also allows the City of Lake Elsinore (City) flexibility and discretion in determining how best to monitor implementation. Monitoring procedures will vary according to the type of mitigation measure. Adequate monitoring consists of demonstrating that monitoring procedures took place and that mitigation measures were implemented.

Reporting consists of establishing a record that a mitigation measure is being implemented and generally involves the following steps:

- The City distributes reporting forms to the appropriate persons for verification of compliance.
- Departments/agencies with reporting responsibilities will review the Initial Study/Mitigated Negative Declaration, which provides general background information on the reasons for including specified mitigation measures.
- Problems or exceptions to compliance will be addressed to the City as appropriate.
- Periodic meetings may be held during project implementation to report on compliance of mitigation measures.
- Responsible parties provide the City with verification that monitoring has been conducted and ensure, as applicable, that mitigation measures have been implemented. Monitoring compliance may be documented through existing review and approval programs such as field inspection reports and plan review.
- The City prepares a reporting form periodically during the construction phase and an annual report summarizing project mitigation efforts.
- Appropriate mitigation measures will be included in construction documents and/or conditions of permits/approvals.

Minor changes to the Mitigation Monitoring and Reporting Program, if required, would be made in accordance with CEQA and would be permitted after further review and approval by the City. Such changes could include reassignment of monitoring and reporting responsibilities, program redesign to make any appropriate improvements, and/or modification, substitution or deletion of mitigation measures subject to conditions described in CEQA Guidelines Section 15162. No change will be permitted unless the Mitigation Monitoring and Reporting Program continues to satisfy the requirements of Public Resources Code Section 21081.6.

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Mitigation Measure	Monitoring Process	Monitoring Timing	Monitoring Responsibility	Date Completed
<i>Biological Resources</i>				
MM BIO-1, <i>Temporary Impact Revegetation</i>. Upon completion of construction activities, the City shall restore and revegetate temporary impact areas to conditions that are equivalent or superior to pre-activity conditions resulting in a functional uplift through implementation of the following:	Revegetation and monitoring	After construction	Qualified Biologist, Project Applicant, Construction Contractor, Planning and Engineering Depts.	Date: _____
<ul style="list-style-type: none"> • Removal of any remaining rooted non-native vegetation, debris, and any foreign aggregate (asphalt, concrete, etc.) • Decompaction of the upper 4-6 inches of soil • Pre-seeding wetting of the soil surface with a water truck • Hydroseeding with native seed palette (to include native paniculate and smooth tarplant seed, if available), mycorrhizae, and carbon/fiber mulch mix. • Post-seeding wetting with water truck. • Monitoring and maintenance by biologist during 45-day plant establishment period. • A minimum of 2 years of weed suppression in the temporary impact areas to promote the establishment of native species and minimize the abundance of invasive species. Weeds would be treated (manually or chemically) at least twice a year during the suppression period. • As-built report by biologist sent to the Resource Conservation Authority (RCA), U.S. Fish and Wildlife Service, and California Department of Fish and Wildlife (herein referred to as Wildlife Agencies). 				
MM BIO-2, <i>Pre-Construction Burrowing Owl Survey and Avoidance</i>. Within 30 days prior to initiating ground-disturbance activities, the project applicant shall retain a qualified biologist to complete a 30-day pre-construction survey in accordance with the Multiple Species Habitat Conservation Plan (MSHCP). A 30-day pre-construction survey for burrowing owls is required prior to initial ground-disturbing activities (e.g., vegetation clearing, clearing and grubbing, tree removal, equipment staging, grading, site watering) to ensure that no owls have colonized the site in the days or weeks preceding the ground-disturbing activities. If burrowing owls have colonized the project site prior to the initiation of ground-disturbing activities, the project proponent will immediately inform the RCA and the Wildlife Agencies, and as a result, will need to coordinate further with RCA	Pre-construction survey	Prior to commencement of construction	Qualified Biologist, Project Applicant, Planning and Engineering Depts.	Date: _____

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<p>and the Wildlife Agencies, including the possibility of preparing a Burrowing Owl Protection and Relocation Plan, prior to initiating ground disturbance. If the 30-day pre-construction survey is negative and burrowing owls are confirmed to be absent, then ground-disturbing activities shall be allowed to commence. If ground-disturbing activities occur, but the site is left undisturbed for more than 30 days, a pre-construction survey will again be necessary to ensure burrowing owl has not colonized the site since the time it was last disturbed. If burrowing owl is found, the same coordination described above will be necessary.</p>				
<p>MM BIO-3, Least Bell's Vireo and Nesting Bird Avoidance. Construction activities within 500 feet of least Bell's vireo occupied habitat and/or an active raptor nest or within 300 feet of an active passerine nest shall be completed outside of the breeding season (March 15 to September 15 for least Bell's vireo and January 15 to September 15 for raptors and passerines). If construction cannot avoid the breeding season, construction noise could affect the breeding success. No loud construction noise (exceeding an hourly average of 60 dBA, or 3 dBA above hourly average ambient noise levels at the nesting site, whichever is higher) may take place within 500 feet of active nesting sites during the vireo breeding season (March 15 to September 15) or the breeding season for raptors (January 15 to September 15), or within 300 feet of active passerine nests during the breeding season (January 15 to September 15).</p> <p>Noise levels may be mitigated with a noise control barrier. The use of noise control barriers is determined on a case-by-case basis subject to the approval of the Wildlife Agencies. The noise barriers may be 10 feet in height and be located between the facilities' construction operations and adjacent sensitive habitat to the east and west of the project construction site. Noise control barriers would be installed outside of the breeding season.</p> <p>The barriers shall be solid and may be constructed of masonry, wood, plastic, fiberglass, steel, or a combination of those materials, with no cracks or gaps through or below the wall. Any seams or cracks should be filled or caulked. If wood is used, it can be tongue and groove or close butted seams and be at least $\frac{3}{4}$-inch thick or have a surface density of at least 3.5 pounds per square-foot. Sheet metal of 18 gauge (minimum) may be used if it meets the other criteria and is properly supported and stiffened so that it does not rattle or create noise itself from vibration or wind. Noise blankets, hoods, or covers also may be used, provided they are appropriately implemented to provide the required sound attenuation.</p>	Pre-construction survey and monitoring	Prior to and during construction	Qualified Biologist, Project Applicant, Construction Contractor, Planning, Building and Engineering Depts.	Date: _____

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A qualified biologist shall monitor the construction operations. The biological monitor shall be present to monitor construction activities that occur adjacent to the undeveloped open space area potentially supporting breeding birds. The monitor shall verify that construction noise levels do not exceed the acceptable levels listed above and shall have the ability to halt construction work, if necessary, and confer with the City, and if applicable, the Wildlife Agencies, to ensure no breeding birds are adversely affected and additional protection measures are properly implemented during construction. The biologist shall report any violation to the Wildlife Agencies within 24 hours of its occurrence.																												
MM BIO-4, Permanent Impact Compensatory Mitigation. Prior to the issuance of a grading permit, the City shall mitigate for permanent impacts to habitat below the 1,265-foot elevation limit, including riparian/riverine and like-functioning grassland habitat, in accordance with the ratios and acreages specified below and through one or a combination of the following options:	Verification of purchase of mitigation credits and/or endowment for long-term management of mitigation site	Prior to issuance of grading permit	Project Applicant, Planning and Engineering Depts.	Date: _____																								
<table border="1" data-bbox="175 714 1036 964"> <thead> <tr> <th>Habitat</th><th>Permanent Impacts (Acres)</th><th>Mitigation Ratio</th><th>Total Mitigation Required (Acres)</th></tr> </thead> <tbody> <tr> <td>Riparian Woodland</td><td>0.05</td><td>3:1</td><td>0.15</td></tr> <tr> <td>Streambed</td><td>0.02</td><td>2:1</td><td>0.04</td></tr> <tr> <td>Tamarisk Scrub</td><td>0.6</td><td>2:1</td><td>1.2</td></tr> <tr> <td>Non-native Woodland</td><td>0.3</td><td>2:1</td><td>0.6</td></tr> <tr> <td>Disturbed/Ruderal</td><td>0.9</td><td>2:1</td><td>1.8</td></tr> </tbody> </table> <ul style="list-style-type: none"> • Purchase of off-site re-establishment and/or rehabilitation credits from the Riverpark Mitigation Bank or alternative mitigation bank approved by the RCA and Wildlife Agencies, to include at least 1.81 acres of re-establishment credits; and/or • Preservation of land in perpetuity within the Lake Elsinore Back Basin or alternative location approved by the RCA and Wildlife Agencies. 	Habitat	Permanent Impacts (Acres)	Mitigation Ratio	Total Mitigation Required (Acres)	Riparian Woodland	0.05	3:1	0.15	Streambed	0.02	2:1	0.04	Tamarisk Scrub	0.6	2:1	1.2	Non-native Woodland	0.3	2:1	0.6	Disturbed/Ruderal	0.9	2:1	1.8				
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MM BIO-5, Fencing and Signage Plans. Prior to initiating ground disturbance, the City shall prepare and submit to the RCA and Wildlife Agencies for approval plans detailing the trail fencing and signage type, materials, and specifications. At a minimum, the fencing shall be designed to restrict humans and pets, with the expected design to be split-rail fence or similar. Signage will be installed at trailheads to convey proper trail usage, with bollards to preclude vehicular access. Signs will convey proper trail usage, including requiring users to stay on the trail,	Submittal and approval of trail fencing and signage plans to the RCA and Wildlife Agencies	Prior to commencement of construction	Project Applicant, Planning and Engineering Depts.	Date: _____																								

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prohibiting littering, asking people to report littering, prohibiting feeding of all wildlife, and requiring that pets be on leash. The RCA and Wildlife Agencies shall provide their written approval via e-mail or alternative format prior to the City initiating ground disturbance activities for construction.				
<i>Cultural Resources</i>				
MM CUL-1, Unanticipated Resources. The developer/permit holder or a successor in interest shall comply with the following for the life of this permit. If during ground disturbance activities, unanticipated cultural resources are discovered, the following procedures shall be followed:	Assessment of resources	During construction	Project Applicant, Construction Contractor, Project Archaeologist, Tribal Monitor, Planning and Engineering Depts.	Date: _____
<ol style="list-style-type: none"> 1. Ground disturbance activities within 100 feet of the discovered cultural resource shall be halted until a meeting is convened between the developer, the Project Archaeologist, the Native American tribal representative(s) from consulting tribes (or other appropriate ethnic/cultural group representative), and the Community Development Director or their designee to discuss the significance of the find. 2. The developer shall call the Community Development Director or their designee immediately upon discovery of the cultural resource to convene the meeting. 3. At the meeting with the aforementioned parties, the significance of the discoveries shall be discussed and a decision is to be made, with the concurrence of the Community Development Director or their designee, as to the appropriate mitigation (documentation, recovery, avoidance, etc.) for the cultural resource. 4. Further ground disturbance shall not resume within the area of the discovery until a meeting has been convened with the aforementioned parties and a decision is made, with the concurrence of the Community Development Director or their designee, as to the appropriate mitigation measures. 				
MM CUL-2, Archaeologist/Cultural Resources Monitoring Program. Prior to issuance of grading permits, the Property Owner/Developer shall provide evidence to the Community Development Department that a Secretary of Interior Standards qualified and certified Registered Professional Archaeologist (RPA) has been contracted to implement a Cultural Resource Monitoring Program (CRMP) that addresses the details of activities that must be completed and procedures that must be followed regarding cultural resources associated with this project. The CRMP document shall be created in coordination with the consulting tribe(s), and	Construction monitoring program	Prior to issuance of a grading permit and during construction	Project Applicant, Project Archaeologist, Tribal Monitor, Planning Dept.	Date: _____

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<p>provided to the Community Development Director or their designee for review and approval prior to issuance of the grading permit. The CRMP provides direction as to how the project mitigation measures will be implemented. The CRMP requires that impacts on cultural resources will not occur without procedures in place, which would reduce impacts to less than significant. These measures shall include, but shall not be limited to, the following:</p> <p><u>Archaeological Monitor</u> - An adequate number of qualified monitors shall be present to ensure that earth-moving activities are observed and shall be on-site during grading activities for areas to be monitored including off-site improvements. Inspections will vary based on the rate of excavation, the materials excavated, and the presence and abundance of artifacts and features. The frequency and location of inspections will be determined by the Project Archaeologist, in consultation with the Tribal monitor.</p> <p><u>Cultural Sensitivity Training</u> - The Project Archaeologist and a representative designated by the consulting Tribe(s) shall attend the pre-grading meeting with the contractors to provide Cultural Sensitivity Training for construction personnel. Training will include a brief review of the cultural sensitivity of the Project and the surrounding area; what resources could potentially be identified during earthmoving activities; the requirements of the monitoring program; the protocols that apply in the event unanticipated cultural resources are identified, including who to contact and appropriate avoidance measures until the find(s) can be properly evaluated; and other appropriate protocols. This is a mandatory training and construction personnel must attend prior to beginning work on the project site. A sign-in sheet for attendees of this training shall be included in the Phase IV Monitoring Report.</p> <p><u>Unanticipated Resources</u> - In the event that previously unidentified potentially significant cultural resources are discovered, the Archaeological and/or Tribal Monitor(s) shall have the authority to divert or temporarily halt ground disturbance operations in the area of discovery to allow evaluation of potentially significant cultural resources. The Project Archaeologist, in consultation with the Tribal monitor(s) shall determine the significance of the discovered resources. The Community Development Director or their designee must concur with the evaluation before construction activities will be allowed to resume in the affected area. Before construction activities are allowed to resume in the affected area, the artifacts shall be recovered and features recorded using professional archaeological methods.</p>				

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<p>Phase IV Report - A final archaeological report shall be prepared by the Project archaeologist and submitted to the Community Development Director or their designee prior to grading final. The report shall follow County of Riverside requirements and shall include at a minimum: a discussion of the monitoring methods and techniques used; the results of the monitoring program including artifacts recovered; an inventory of resources recovered; updated DPR forms for sites affected by the development; final disposition of the resources including GPS data; artifact catalog and additional recommendations. A final copy shall be submitted to the City, Project Applicant, the Eastern Information Center, and the Tribe.</p>				
<p>MM CUL-3, Cultural Resources Disposition. In the event that Native American cultural resources are discovered during the course of grading (inadvertent discoveries), the following procedures shall be carried out for final disposition of the discoveries:</p> <p>One or more of the following treatments, in order of preference, shall be employed with the tribes. Evidence of such shall be provided to the Community Development Department:</p> <ol style="list-style-type: none"> 1. Preservation-In-Place of the cultural resources, if feasible. Preservation in place means avoiding the resources, leaving them in the place where they were found with no development affecting the integrity of the resources. 2. Relocation of the resources on the Project property. The measures for relocation shall include, at least, the following: Measures and provisions to protect the future reburial area from future impacts by means of a deed restriction or other form of protection (e.g., conservation easement) in order to demonstrate avoidance in perpetuity. <p>Relocation shall not occur until legally required cataloging and basic recordation have been completed, with an exception that sacred items, burial goods and Native American human remains, as they are excluded. Reburial processes shall be culturally appropriate. Listing of contents and location of the reburial shall be included in the confidential Phase IV report. The Phase IV Report shall be filed with the City under a confidential cover and not subject to Public Records Request.</p> <ol style="list-style-type: none"> 3. If relocation is not agreed upon by the Consulting Tribes, then the resources shall be curated in a culturally appropriate manner at a Riverside County curation facility that meets State Resources Department Office of Historic 	Disposition of resources	During Construction	Project Applicant, Construction Contractor, Project Archaeologist, Tribal Monitor, Planning and Engineering Depts.	Date: _____

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<p>Preservation Guidelines for the Curation of Archaeological Resources, ensuring access and use pursuant to the Guidelines. The collection and associated records shall be transferred, including title, and are to be accompanied by payment of the fees necessary for permanent curation. Evidence of curation in the form of a letter from the curation facility stating that subject archaeological materials have been received and that fees have been paid, shall be provided by the landowner to the City. There shall be no destructive or invasive testing on sacred items, burial goods and Native American human remains. Results concerning finds of inadvertent discoveries shall be included in the Phase IV monitoring report.</p>				
<p>MM CUL-4, <i>Tribal Monitoring</i>. Prior to the issuance of a grading permit, the applicant shall contact the consulting Native American Tribe(s) that have requested monitoring through consultation with the City during the AB 52 and/or the Senate Bill (SB) 18 process (“Monitoring Tribes”). The applicant shall coordinate with the Tribe(s) to develop individual Tribal Monitoring Agreement(s). A copy of the signed agreement(s) shall be provided to the City of Lake Elsinore Community Development Department, Planning Division prior to the issuance of a grading permit. The Agreement shall address the treatment of known tribal cultural resources (TCRs) including the project’s approved mitigation measures and conditions of approval; the designation, responsibilities, and participation of professional Tribal Monitors during grading, excavation and ground-disturbing activities; project grading and development scheduling; terms of compensation for the monitors; and treatment and final disposition of cultural resources, sacred sites, and human remains/burial goods discovered on the site per the Tribe(s) customs and traditions and the City’s mitigation measures/conditions of approval. The Tribal Monitor will have the authority to stop and redirect grading in the immediate area of a find in order to evaluate the find and determine the appropriate next steps, in consultation with the Project archaeologist.</p>	Construction Monitoring Program	Prior to issuance of a grading permit and during construction	Project Applicant, Tribal Monitor, Planning and Engineering Depts.	Date: _____
<p>MM CUL-5, <i>Phase IV Report</i>. Upon completion of the implementation phase, a Phase IV Cultural Resources Monitoring Report shall be submitted that complies with the Riverside County Planning Department’s requirements for such reports for ground-disturbing activities associated with this grading permit. The report shall follow the County of Riverside Planning Department Cultural Resources (Archaeological) Investigations Standard Scopes of Work posted on the County website. The report shall include results of feature relocation or residue analysis required as well as evidence of the required cultural sensitivity training for the construction staff held during the required pre-grade meeting.</p>	Project records	After construction	Project Applicant, Project Archaeologist, Tribal Monitor	Date: _____

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<p>MM CUL-6, Discovery of Human Remains. In the event that human remains (or remains that may be human) are discovered at the project site during grading or earthmoving, the construction contractors, project archaeologist and/or designated Native American Monitor shall immediately stop activities within 100 feet of the find. The project applicant shall then inform the Riverside County Coroner and the City of Lake Elsinore Community Development Department immediately, and the coroner shall be permitted to examine the remains as required by California Health and Safety Code Section 7050.5(b). Section 7050.5 requires that excavation be stopped in the vicinity of discovered human remains and that no further disturbance shall occur until the Riverside County Coroner has made the necessary findings as to origin. If human remains are determined to be Native American, the applicant shall comply with the state law relating to the disposition of Native American burials that fall within the jurisdiction of the Native American Heritage Commission (NAHC) (Public Resources Code [PRC] Section 5097). The coroner shall contact the NAHC within 24 hours and the NAHC will make the determination of most likely descendant. The most likely descendant shall then make recommendations and engage in consultation concerning the treatment of the remains as provided in Public Resource Code Section 5097.98. In the event that the applicant and the MLD disagree regarding the disposition of the remains, State law will apply and the mediation process will occur with the NAHC, if requested (see PRC Section 5097.98(e) and 5097.94(k)).</p> <p>According to the California Health and Safety Code, six or more human burial at one location constitutes a cemetery (Section 8100), and disturbance of Native American cemeteries is a felony (Section 7052).</p>	Assessment, treatment, and disposition of human remains	During construction	Project Applicant, Construction Contractor, Project Archaeologist, Tribal Monitor, Riverside County Coroner, Planning Dept.	Date: _____
<p>MM CUL-7, Non-Disclosure of Reburial Location. It is understood by the parties that unless otherwise required by law, the site of reburial of Native American human remains or associated grave goods shall not be disclosed and shall not be governed by public disclosure requirements of the California Public Records Act. The Coroner, pursuant to the specific exemption set forth in California Government Code 6254 (r), parties, and Lead Agencies, will be asked to withhold public disclosure information related to such reburial, pursuant to the specific exemption set forth in California Government Code 6254 (r).</p>	Non-Disclosure of resource reburials	During and after construction	Project Applicant, Riverside County Coroner	Date: _____
Geology and Soils				
<p>MM GEO-1, Paleontological Resources Survey. Prior to the commencement of construction, a qualified paleontologist shall be retained to conduct a Paleontological Resources Survey of the project site to determine the site- specific potential of finding paleontological resources within the project site. If the</p>	Assessment of resources and implementation of a construction	Prior to and during construction	Project Applicant, Qualified Paleontologist,	Date: _____

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<p>approved Paleontological Resources Survey determines that it is unlikely that paleontological resources will be uncovered, grading and construction activities may proceed. However, if the approved Paleontological Resources Survey determines that there is potential for the likelihood to uncover paleontological resources during construction, a qualified paleontologist shall be retained to develop a Paleontological Resources Monitoring and Treatment Plan (PRMTP) for approval by the Community Development Director. Following Community Development Director approval of the PRMTP, grading and construction activities may proceed in compliance with the provisions of the approved PRMTP. The PRMTP shall include the following measures:</p> <ul style="list-style-type: none"> • Identification of those locations within the project site where paleontological resources have potential to be uncovered during grading. • A monitoring program specifying the procedures for the monitoring of grading activities by a qualified paleontologist. • If fossil remains large enough to be seen are uncovered by earth-moving activities, a qualified paleontologist or qualified designee shall temporarily divert earth-moving activities around the fossil site until the remains have been evaluated for significance and, if appropriate, have been recovered; and the paleontologist or qualified designee allows earth-moving activities to proceed through the site. If potentially significant resources are encountered, a letter of notification shall be provided in a timely manner to the Community Development Director, in addition to the report (described below) that is filed at completion of grading. • If a qualified paleontologist or qualified designee is not present when fossil remains are uncovered by earth-moving activities, these activities shall be stopped and a qualified paleontologist or qualified designee shall be called to the site immediately to evaluate the significance of the fossil remains. • At a qualified paleontologist's or qualified designee's discretion and to reduce any construction delay, a construction worker shall assist in removing fossiliferous rock samples to an adjacent location for temporary stockpiling pending eventual transport to a laboratory facility for processing. • A qualified paleontologist or qualified designee shall collect all significant identifiable fossil remains. All fossil sites shall be plotted on a 	monitoring program		Planning and Engineering Depts.	

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<p>topographic map of the Project site. h. If the qualified paleontologist or qualified designee determines that insufficient fossil remains have been found after fifty percent of earthmoving activities have been completed, monitoring can be reduced or discontinued.</p> <ul style="list-style-type: none"> Any significant fossil remains recovered in the field as a result of monitoring or by processing rock samples shall be prepared, identified, catalogued, curated, and accessioned into the fossil collections of the San Bernardino County Museum, or another museum repository complying with the Society of Vertebrate Paleontology standard guidelines. Accompanying specimen and site data, notes, maps, and photographs also shall be archived at the repository. Within 6 months following completion of the above tasks, a qualified paleontologist or qualified designee shall prepare a final report summarizing the results of the mitigation program and presenting an inventory and describing the scientific significance of any fossil remains accessioned into the museum repository. The report shall be submitted to the Community Development Department – Planning Division and the museum repository. The report shall comply with the Society of Vertebrate Paleontology standard guidelines for assessing and mitigating impacts on paleontological resources. 				
Noise				
<p>MM NOI-1, Construction Management Plan. Noise levels from project-related construction activities shall not exceed the noise limit specified in the City of Lake Elsinore Municipal Code of 75 dBA, when measured at the boundary line of any occupied property where noise is being received. A Construction Management Plan that describes the measures included on the construction plans to ensure compliance with the noise limit shall be prepared and approved by the City prior the commencement of construction. The following measures may be included to reduce construction noise:</p> <ul style="list-style-type: none"> Construction equipment to be properly outfitted and maintained with manufacturer-recommended noise-reduction devices. Diesel equipment to be operated with closed engine doors and equipped with factory-recommended mufflers. 	Construction management Plan	During construction	Project Applicant, Construction Contractor, Planning and Engineering Depts.	Date: _____

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<ul style="list-style-type: none">• Mobile or fixed “package” equipment (e.g., arc welders and air compressors) to be equipped with shrouds and noise control features that are readily available for that type of equipment.• Electrically powered equipment to be used instead of pneumatic or internal combustion-powered equipment, where feasible.• Unnecessary idling of internal combustion engines (e.g., in excess of 5 minutes) to be prohibited.• Material stockpiles and mobile equipment staging, parking, and maintenance areas to be located as far as practicable from noise sensitive receptors.• The use of noise-producing signals, including horns, whistles, alarms, and bells, shall be for safety warning purposes only.• No project-related public address or music system shall be audible at any adjacent sensitive receptor.• Temporary sound barriers or sound blankets may be installed between construction operations and adjacent noise-sensitive land uses to adequately reduce noise levels. If a barrier is used, the project Contractor shall construct a temporary noise barrier at least six feet in height meeting the specifications listed below (or of a Sound Transmission Class [STC] 19 rating or better) to attenuate noise.• If a temporary barrier is used, all barriers shall be solid and constructed of wood, plastic, fiberglass, steel, masonry, or a combination of those materials, with no cracks or gaps through or below the wall. Any seams or cracks must be filled or caulked. If wood is used, it can be tongue and groove or close butted seams and must be at least $\frac{3}{4}$-inch thick or have a surface density of at least 3.5 pounds per square-foot. Sheet metal of 18 gauge (minimum) may be used if it meets the other criteria and is properly supported and stiffened so that it does not rattle or create noise itself from vibration or wind. Noise blankets, hoods, or covers also may be used, provided they are appropriately implemented to provide the required sound attenuation.• The project applicant shall notify residences within 100 feet of the project’s property line in writing within one week of any construction activity. The notification shall describe the activities anticipated, provide				
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<p>dates and hours, and provide contact information with a description of a complaint and response procedure.</p> <ul style="list-style-type: none"> The on-site construction supervisor shall have the responsibility and authority to receive and resolve noise complaints. A clear appeal process for the affected resident shall be established prior to construction commencement to allow for resolution of noise problems that cannot be immediately solved by the site supervisor. 				

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