

Mitigation Monitoring and Reporting Program

CEQA requires that a reporting or monitoring program be adopted for the conditions of project approval that are necessary to mitigate or avoid significant effects on the environment (Public Resources Code 21081.6). This mitigation monitoring and reporting program is intended to track and ensure compliance with adopted mitigation measures during the project implementation phase. For each mitigation measure recommended in the Final Initial Study-Mitigated Negative Declaration (Final IS-MND), specifications are made herein that identify the action required, the monitoring that must occur, and the agency or department responsible for oversight.

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Mitigation Measure/ Condition of Approval	Action Required	Monitoring Timing	Monitoring Frequency	Responsible Agency	Compliance Verification		
					Initial	Date	Comments
Aesthetics							
AES-1: Lighting Specifications							
Any exterior lighting installed in the Back Country Unit shall be of low intensity, low glare design, and shall be hooded with full cutoff fixtures to direct light downward onto the subject parcel and prevent spillover onto adjacent open space. The lights shall be certified as Dark Sky Friendly by the International Dark-Sky Association.	Incorporate lighting specifications as specified into plans for all Back Country Unit lighting. Certify Back Country Unit lighting as Dark Sky Friendly by the International Dark-Sky Association.	Prior to project construction, during the project planning phase	Once	Monterey Peninsula Regional Park District			
Cultural Resources							
CUL-1: Architectural History Consultation							
During the project planning phase for the Front Ranch Barn (also known as Fish Ranch Barn), the District shall retain a qualified architectural historian or historic architect meeting the Secretary of the Interior’s Professional Qualifications Standards to ensure project compliance with the Secretary’s Standards for Rehabilitation. This individual shall ensure the avoidance of any direct/indirect physical changes to historical resources. The findings and recommendations of the architectural historian or historic architect shall be documented in a Secretary’s Standards Project Review Memorandum, at the schematic design phase. This memorandum shall analyze all project components for compliance with the Secretary’s Standards for Rehabilitation. Project components to be analyzed shall include direct and indirect changes to the character-defining features of the Front Ranch Barn and its setting as identified in the 2007 Historic Structures Report prepared by Architectural Resources Group (Architectural Resources Group 2007). Should design modifications be necessary to bring projects into compliance with the Secretary’s Standards for Rehabilitation, the memorandum shall document those recommendations.	Ensure project compliance with the Secretary’s Standards for Rehabilitation; document their findings and recommendations in a Secretary’s Standards Project Review Memorandum to avoid any direct/indirect physical changes to historical resources.	Prior to project construction, during the project planning phase for the Front Ranch Barn	Once	Monterey Peninsula Regional Park District and qualified architectural historian			

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CUL-2: Archaeological Resources Assessment							
In areas where projects will require ground disturbance and/or will result in intensified land use, a site-specific archaeological resources assessment shall be performed under the supervision of an archaeologist that meets the Secretary of the Interior’s Professional Qualifications Standards (PQS) in either prehistoric or historic archaeology. Assessments shall include, at minimum, a California Historical Resources Information System (CHRIS) records search at the NWIC and of the Sacred Lands File Search maintained by the NAHC. The records searches shall characterize the results of previous cultural resource surveys, and disclose any cultural resources that have been recorded and/or evaluated in and around the Plan Area. In areas that have not been subject to archaeological survey within the last five years, the archaeological assessment shall include a Phase I pedestrian survey to locate any surface cultural materials. If the Phase I pedestrian survey or background research indicates a high likelihood of subsurface archaeological resources, extended Phase I testing, consisting of a series of augurs or shovel test pits, may also be necessary. If cultural resources are identified during the Phase I and/or Extended Phase I studies, Mitigations Measures CUL-3 through CUL-6 shall apply.	Perform an archaeological resources assessment. If cultural resources are identified Mitigation Measure CUL-3 through CUL-6, below, shall be implemented.	Prior to project construction, during the project planning phase	Once	Monterey Peninsula Regional Park District and qualified archaeologist			
CUL-3: Archaeological Resource Avoidance							
Archaeological sites within the Plan Area shall be avoided wherever feasible.	Avoid archaeological sites, where feasible.	Prior to project construction, during the project planning phase	Once	Monterey Peninsula Regional Park District			
CUL-4: Archaeological Resource Phase II Evaluation							
If the Phase I archaeological survey identifies resources that may be affected by the project and cannot be avoided by project ground disturbance, a Phase II testing and evaluation program shall be	Implement a Phase II testing and evaluation program if archaeological resources are identified as a part of Mitigations Measures CUL-2.	Prior to project construction, during	Once	Monterey Peninsula Regional Park District and			

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implemented. If resources are determined significant or unique through Phase II testing and site avoidance is not possible, appropriate site-specific mitigation measures shall be identified in the Phase II evaluation. These measures may include, but would not be limited to, a Phase III data recovery program, avoidance, or other appropriate actions to be determined by a qualified archaeologist. If significant archaeological resources cannot be avoided, impacts may be reduced to less than significant by filling on top of the sites rather than cutting into the cultural deposits.	Implement site specific mitigation measures if resources are determined significant during Phase II testing and evaluation.	the project planning phase		qualified archaeologist			
CUL-5: Archaeological Resource Monitoring							
Project ground disturbance in areas having medium or high archaeological sensitivity and/or in areas within the vicinity of identified archaeological sites shall be observed by a qualified archaeological monitor and, if known or potential resources are of Native American origin, a local Native American representative. Archaeological monitoring shall be performed under the direction of an archaeologist meeting the Secretary of the Interior’s Professional Qualification Standards for archaeology (National Park Service 1983).	Monitor all groundbreaking activities in areas having medium or high archaeological sensitivity and/or in areas within the vicinity of identified archaeological sites.	During construction	Periodically during construction	Monterey Peninsula Regional Park District and qualified archaeological monitor; local Native American representative, as applicable			
CUL-6: Inadvertent Discovery of Cultural Resources							
If cultural resources are encountered during ground-disturbing activities by the archaeological or Native American monitor or by construction personnel if a monitor is not present, work in the immediate area shall halt and an archaeologist meeting the Secretary of the Interior’s Professional Qualifications Standards for archaeology (National Park Service 1983) shall be contacted immediately to evaluate the find. If the discovery proves to be significant under CEQA, additional work such as data recovery excavation may be warranted.	Suspend all work if cultural resources are encountered during construction until the find can be evaluated by a qualified archaeologist. Avoid or mitigate any archeological resources found if they are determined to be significant.	During construction During construction	Periodically during construction Periodically during construction	Monterey Peninsula Regional Park District and archaeological or Native American monitor			

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Geology and Soils							
GEO-1: Paleontological Resources Survey and Inventory Report							
<p>A qualified paleontologist shall be retained to conduct a field survey of the Park areas with high paleontological sensitivity prior to implementation of General Development Plan (GDP) projects in those areas that would require ground disturbance. The qualified paleontologist shall have at least a Master’s Degree or equivalent work experience in paleontology, shall have knowledge of the local paleontology, and shall be familiar with paleontological procedures and techniques. The purpose of the field survey will be to visually inspect the ground surface for exposed fossils or traces thereof and to evaluate geologic exposures for their potential to contain preserved fossil material at the subsurface. Park areas underlain by geologic units with high paleontological sensitivity (i.e., the undivided Miocene marine sandstone, Monterey Formation, Carmelo Formation, and Quaternary older alluvium) shall be subject to a pedestrian walkover, excluding those that have been visibly disturbed or are obscured by developments (e.g., existing structure, heavy vegetation, etc.). Particular attention shall be paid to rock outcrops, both within and in the vicinity of the project area, and any areas where geologic sediments are well exposed.</p> <p>All fossil occurrences observed during the course of fieldwork, significant or not, shall be adequately documented and recorded at the time of discovery. The data collected for each fossil occurrence shall include, at minimum, the following information: Universal Transverse Mercator (UTM) coordinates, approximate elevation, description of taxa, lithologic description, and stratigraphic context (if known). In addition, each locality should be photographically</p>	Conduct a field survey and inventory in areas of high paleontological sensitivity.	Prior to project construction, during the project planning phase	Once	Monterey Peninsula Regional Park District and qualified paleontologist			
	Prepare a final report describing the results of the paleontological resources survey and inventory.	Prior to project construction, during the project planning phase	Once				
	Submit the final report to Monterey Peninsula Regional Park District.	Prior to project construction, during the project planning phase					
		Prior to project construction, during the project planning phase					

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documented with a digital camera. No fossil collection shall occur during the survey. A final report shall be prepared describing the results of the paleontological resources survey and inventory. The report shall include a summary of the field methods, an overview of the project geology and paleontology, a list of taxa identified (if any), an analysis of fossils identified (if any) and their scientific significance, and project-specific recommendations. In addition, the report shall include the results of a museum records search of previously reported localities in the project area. The record search shall be conducted at the Natural History Museum of Los Angeles County (NHM). The final report shall be submitted to the Monterey Peninsula Regional Park District.								
GEO-2: Paleontological Construction Monitoring								
Prior to the start of construction, the qualified paleontologist or his or her designee, shall conduct training for construction personnel regarding the appearance of fossils and the procedures for notifying paleontological staff should fossils be discovered by construction staff. The training shall be fulfilled at the time of a preconstruction meeting. During construction, ground disturbing activities (including mass grading, trenching, drilling with an auger greater than three feet in diameter, and other excavation) that impact previously undisturbed geologic units with a high paleontological sensitivity (i.e., the undivided Miocene marine sandstone, Monterey Formation, Carmelo Formation, and Quaternary older alluvium) shall be monitored on a full-time basis. Part-time monitoring shall be conducted during ground disturbance deeper than five feet below ground surface in project areas underlain by Quaternary alluvium to determine if the underlying geologic units with high paleontological sensitivity	A qualified paleontologist shall conduct training for construction personnel.	Prior to construction	Once	Monterey Peninsula Regional Park District and qualified paleontologist				
			During construction		Periodically during construction			
	A qualified paleontological monitor shall conduct paleontological monitoring during construction in previously undisturbed geologic units with high paleontological sensitivity.	During construction						
			During project construction		As necessary during construction			
	Divert construction around a paleontological find.	Following project construction and prior to project operation			Once per resource			
	Curate any salvaged significant fossils				Once			
	Prepare a report on paleontological mitigation monitoring efforts and submit to the Monterey Peninsula Regional Park District.							

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<p>are being impacted by ground disturbance. If it is determined the sensitive units underlying the Quaternary alluvium are being impacted by project ground disturbance, then monitoring shall be conducted full-time.</p> <p>Paleontological monitoring shall include inspection of exposed rock units and screening of bulk matrix to determine if fossils are present. Monitoring shall be supervised by the Qualified Paleontologist and shall be conducted by a qualified paleontological monitor, who is defined as an individual who meets the minimum qualifications per standards set forth by the SVP (2010), which includes a B.S. or B.A. degree in geology or paleontology with one year of monitoring experience and knowledge of collection and salvage of paleontological resources. The duration and timing of the monitoring shall be determined by the Qualified Paleontologist. If the Qualified Paleontologist determines that full-time monitoring is no longer warranted, they may recommend reducing monitoring or ceasing entirely. Monitoring shall be reinstated if any new ground disturbances are required and reduction or suspension would need to be reconsidered by the Qualified Paleontologist.</p> <p>In the event that that a paleontological resource is discovered, the monitor shall have the authority to temporarily divert the construction equipment around the find until it is assessed for scientific significance and collected. Typically, fossils can be safely salvaged quickly by a single paleontologist and not disrupt construction activity. In some cases, larger fossils (such as complete skeletons or large mammals) require more extensive excavation and longer salvage periods. In this case, the paleontologist shall have the authority to temporarily direct, divert or halt construction activity to ensure that the fossil(s) can be removed in a safe and timely manner.</p>							

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<p>Once salvaged, significant fossils shall be identified to the lowest possible taxonomic level, prepared to a curation-ready condition and curated in a scientific institution with a permanent paleontological collection (such as the LACM) along with all pertinent field notes, photos, data, and maps. The cost of curation is assessed by the repository and is the responsibility of the project owner.</p> <p>At the conclusion of laboratory work and museum curation, a final report shall be prepared describing the results of the paleontological mitigation monitoring efforts associated with the project. The report shall include a summary of the field and laboratory methods, an overview of the project geology and paleontology, a list of taxa recovered (if any), an analysis of fossils recovered (if any) and their scientific significance, and recommendations. The report shall be submitted to the Monterey Peninsula Regional Park District. If the monitoring efforts produced fossils, then a copy of the report shall also be submitted to the designated museum repository.</p>							
Tribal Cultural Resources							
TCR-1: Tribal Cultural Resource Plan							
<p>During construction of projects facilitated by the GDP if a potential tribal cultural resource not previously known to the District is uncovered that is identified by a local tribe as a tribal cultural resource, a mitigation plan shall be prepared and implemented in accordance with state guidelines and in consultation with local Native American group(s). The plan would include avoidance of the resource or, if avoidance of the resource is infeasible, the plan would outline the appropriate treatment of the resource in coordination the appropriate local Native American tribal representative and, if applicable, a qualified archaeologist. Examples of appropriate mitigation</p>	<p>Prepare and implement a mitigation plan in accordance with state guidelines and in consultation with local Native American group(s) if a tribal resource is identified by a local tribe</p>	<p>During construction</p>	<p>Periodically during construction</p>	<p>Monterey Peninsula Regional Park District</p>			

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for tribal cultural resources include, but are not limited to, protecting the cultural character and integrity of the resource, protecting traditional use of the resource, and protecting the confidentiality of the resource, or heritage recovery.							
TCR-2: Suspension of Work Around Tribal Cultural Resources							
In the event that cultural resources of Native American origin are identified during construction, all earth-disturbing work in the vicinity of the find must be temporarily suspended or redirected until an archaeologist has evaluated the nature and significance of the find as a cultural resource in accordance with Mitigation Measure CR-6 and an appropriate local Native American representative is consulted. If the District, in consultation with local Native Americans, determines that the resource is a tribal cultural resource and thus significant under CEQA, a mitigation plan shall be prepared and implemented in accordance with state guidelines and in consultation with local Native American group(s). The plan would include avoidance of the resource or, if avoidance of the resource is infeasible, the plan would outline the appropriate treatment of the resource in coordination with the appropriate local Native American tribal representative and, if applicable, a qualified archaeologist. Examples of appropriate mitigation for tribal cultural resources include, but are not limited to, protecting the cultural character and integrity of the resource, protecting traditional use of the resource, protecting the confidentiality of the resource, or heritage recovery.	Suspend all work if cultural resources of Native American origin are encountered during construction until the find can be evaluated by a qualified archaeologist and Native American representative.	During construction	Periodically during construction	Monterey Peninsula Regional Park District			
	Prepare a mitigation plan if the resources is considered significant under CEQA.	During construction	Once per resource				

References

National Park Service. 1983. Archaeology and Historic Preservation: Secretary of the Interior's Standards and Guidelines. Washington, DC. https://www.nps.gov/history/local-law/arch_stnds_0.htm