

Environmental Impact	Mitigation Measures	Level of Significance after Mitigation
	<p>artifacts and data at an approved facility, and dissemination of reports to local and state repositories, libraries, and interested professionals. Treatment for tribal cultural resources shall be determined through the consultation between the County and relevant Native American representatives (see Impact 3.6-5). After implementation of the management plan and treatment plan (if required), the Supervising Archaeologist shall submit a final report to the County, and relevant Native American representatives (if applicable), detailing their implementation and results.</p> <p>If human remains are encountered, construction ground-disturbing activities within 100 feet of the find shall halt and the protocol set for in PRC Section 5097.98, including notifying the Sonoma County Coroner and, if needed, the California Native American Heritage Commission, shall be followed.</p> <p>Resumption of ground-disturbing activities within 100 feet of any find shall only occur with written permission of the County.</p>	
<p><b>Impact 3.6-3:</b> The proposed modifications to the Use Permit could directly or indirectly destroy a unique paleontological resource or site or unique geologic feature. <i>(No New or Substantially More Severe Significant Impact)</i></p>		
<p><b>Impact 3.6-4:</b> The proposed modifications to the Use Permit could disturb human remains, including those interred outside of formal cemeteries. <i>(No New or Substantially More Severe Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.6-4:</b> Implement Mitigation Measure 3.6-2.</p>	<p>Less than significant</p>
<p><b>3.6 Cultural Resources (cont.)</b></p>		
<p><b>Impact 3.6-5:</b> The proposed modifications to the Use Permit could cause a substantial adverse change in the significance of a tribal cultural resource as defined in Public Resources Code Section 21074. <i>(No New or More Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.6-5:</b> Implement Mitigation Measure 3.6-2.</p>	<p>Less than significant</p>
<p><b>3.7 Other Environmental Topics</b></p>		
<p>Noise and Vibration</p>	<p><b>Revise Final EIR Mitigation Measure E.8m as follows:</b></p> <p>Roadway widening <u>and creek relocation</u> construction activities for this project shall be restricted as follows:</p> <ul style="list-style-type: none"> <li>• All internal combustion engines used during construction of this project shall be operated with mufflers that meet the requirements of the State Resources Code, and, where applicable, the Vehicle Code.</li> <li>• Except for actions taken to prevent an emergency, or to deal with an existing emergency, all construction activities shall be restricted to the hours of 7:00 a.m. and 7:00 p.m. on weekdays and 9:00 a.m. and 7:00 p.m. on weekends and holidays. Only work that does not require motorized vehicles or power equipment shall be allowed on holidays. If work outside the times specified above becomes necessary, the resident engineer shall notify the PRMD Environmental Review Division as soon as practical.</li> </ul>	<p>Less than significant</p>

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	<p>artifactual/ecofactual material, as warranted, for analysis. All recovered artifacts and samples not associated with human remains will be photographed on-site and removed to a secure location for temporary storage, cleaning and processing. On completion of the project, all retained artifacts and samples with a potential to increase our knowledge of the past will be permanently curated in a facility that meets the standards and guidelines of the Secretary of the Interior, as required by CEQA.</p> <p>Archaeological monitors and the Supervising Archaeologist shall be empowered to temporarily redirect construction crews and heavy equipment until any potential archaeological material, including human remains, is evaluated. If suspected archaeological material, including human remains, is identified during monitoring, the procedures set forth in Mitigation Measure K.1b of the Final EIR shall be implemented. These measures consist of: halting construction activities at the location of the suspected archaeological material; inspection and significance assessment of the find by a qualified archaeologist (i.e., one meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology [Supervising Archaeologist]); and, if the find is determined to be a potentially significant archaeological resource under CEQA, pursuant to CEQA Guidelines Section 15064.5, development of a management plan for the resource, consistent with CEQA and County requirements and policies.</p> <p>The management plan shall be developed and implemented in accordance with PRC Section 21083.2 and CEQA Guidelines Section 15126.4(b)(3), and shall recommend preservation in place or, if preservation in place is not feasible, data recovery through excavation. If preservation in place is feasible, this may be accomplished through one of the following means: (1) modifying the construction plan to avoid the resource; (2) incorporating the resource within open space; (3) capping and covering the resource before building appropriate facilities on the resource site; or (4) deeding resource site into a permanent conservation easement.</p> <p>If the Supervising Archaeologist determines that any archaeological material identified during construction may have association with Native Americans, relevant Native American representatives (already identified by the California Native American Heritage</p>	
<b>3.6 Cultural Resources (cont.)</b>		
<b>Impact 3.6-2 (cont.)</b>	<p>Commission as the Federated Indians of Graton Rancheria) shall inspect the find within 24 hours of discovery and the County shall consult with potentially interested Native American representatives in developing the management plan for the resource and to determine if the resource qualifies as a tribal cultural resource, as defined in PRC Section 21074.</p> <p>If preservation in place is not feasible, the Supervising Archaeologist shall prepare and implement, in coordination with the County and relevant Native American representatives (if applicable), a detailed treatment plan to recover the scientifically consequential information from and about the resource, which shall be reviewed and approved by the County prior to any excavation at the resource's location. Treatment of unique archaeological resources shall follow the applicable requirements of PRC Section 21083.2. Treatment for most resources, though not tribal cultural resources, would consist of (but would not be not limited to) sample excavation, artifact collection, site documentation, and historical research, with the aim to target the recovery of important scientific data contained in the portion(s) of the significant resource to be impacted by the project. The treatment plan shall include provisions for analysis of data in a regional context, reporting of results within a timely manner, curation of</p>	

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	required must be paid for solely by the applicant.	
<p><b>Impact 3.4-4:</b> The proposed substantial increase in truck traffic on Roblar Road, which does not fully meet current roadway design standards and/or has limited sight distance, could introduce potential traffic safety hazards. <i>(Substantially More Severe Significant Impact)</i></p>	<p><b>Mitigation Measure 3.4-4:</b> Implement roadway improvements for Roblar Road identified in Mitigation Measure 3.4-3.</p>	Significant and unavoidable
<p><b>Impact 3.4-5:</b> The proposed modifications to the Stony Point Road and Roblar Road intersection, to not include a southbound right-turn lane, could affect long-term level of service conditions during the weekday a.m. and p.m. peak hours, and Saturday peak hour. <i>(No New or Substantially More Severe Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.4-5:</b> Optimize the traffic signal timing at the intersection of Stony Point Road and Roblar Road to reflect projected future turning movement traffic volumes.</p>	Less than significant
<b>3.5 Hazardous Materials</b>		
<p><b>Impact 3.5.1:</b> Hazardous materials (e.g., petroleum products) transported to and used on construction sites associated with the proposed modifications to the Use Permit could be spilled or otherwise released through improper handling or storage. <i>(No New or Substantially More Severe Significant Impact)</i></p>		
<b>3.6 Cultural Resources</b>		
<p><b>Impact 3.6-1:</b> The proposed modifications to the Use Permit could cause a substantial adverse change in the significance of a historical resource. <i>(No New or Substantially More Severe Significant Impact)</i></p>		
<p><b>Impact 3.6-2:</b> The proposed modifications to the Use Permit could cause a substantial adverse change in the significance of an archaeological resource. <i>(No new or Substantially More Severe Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.6-2:</b> Archaeological monitoring of ground-disturbing construction activities associated with the relocation of Americano Creek and also those associated with Roblar Road widening/reconstruction near ARS 10-016-01 and ARS 10-016-02.</p> <p>Archaeological monitoring shall be conducted for any ground-disturbing construction activities associated with the relocation of Americano Creek, and also any ground-disturbing</p>	Less than significant
<b>3.6 Cultural Resources (cont.)</b>		
<p><b>Impact 3.6-2 (cont.)</b></p>	<p>construction activities associated with Roblar Road widening/reconstruction activities that are within 200 feet of previously recorded archaeological resources ARS 10-016-01 and ARS 10-016-02. Monitoring shall be required for all surface alteration and subsurface excavation work in these areas, including grubbing, cutting, trenching, grading, use of staging areas and access roads, and driving vehicles and equipment. The archaeological monitoring shall be under direction of an archaeologist meeting the Secretary of the Interior's Professional Qualifications Standards for Archeology (Supervising Archaeologist). An archaeological monitor shall be present during the specified construction ground-disturbing activities according to a schedule agreed upon by the Supervising Archaeologist and County until the Supervising Archaeologist has, in consultation with the County, determined that construction activities could have no impacts on any potentially significant archaeological resources. Archaeological monitors shall record and be authorized to temporarily collect soil samples and</p>	

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<i>Substantially More Severe Significant Impact</i>		
<p><b>Impact 3.3-7:</b> Proposed modifications to the Use Permit could result in adverse impacts to the surface hydrology and water quality of on-site and surrounding drainages, including Americano Creek, that may impact special-status fish species known to occur downstream of the Quarry project site. <i>(No New or Substantially More Severe Significant Impact)</i></p>		
<b>3.4 Transportation and Traffic</b>		
<p><b>Impact 3.4-1:</b> The proposed modifications to the Stony Point Road and Roblar Road intersection could affect near-term cumulative plus project levels of service during the weekday a.m. and p.m. peak-hours, and Saturday peak hour. <i>(No New or Substantially More Severe Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.4-1:</b> Prior to the commencement of mining, the applicant shall enter into an improvement and reimbursement agreement with the Department of Transportation and Public Works (DTPW) and install a signal at the Stony Point Road/Roblar Road intersection. The applicant shall have plans prepared for the work in conformance with the Applicant's preliminary design plans, including widening all approaches to the intersection, lengthening the northbound left-turn lane, and adding a southbound left-turn lane (for access to the private driveway across from Roblar Road). The applicant shall widen or relocate to the north the private driveway opposite Roblar Road, within the County right-of-way, or revise the plans to show a relocation of the stop line for the northbound left-turn lane, to provide sufficient turning radius for larger vehicles and vehicles with trailers. The signal shall be designed in accordance with Caltrans guidelines, subject to review and approval by DTPW. An offset of the payment of traffic mitigation fees may be considered.</p>	Less than significant
<p><b>Impact 3.4-2:</b> The proposed modifications to the intersection could introduce potential bicycle safety hazards on Stony Point Road at Roblar Road. <i>(No New or Substantially More Severe Significant Impact, After Mitigation)</i></p>	<p><b>Mitigation Measure 3.4-2:</b> Widen the paved shoulders on Stony Point Road to a minimum of five feet within the limits of the intersection improvement at Roblar Road unless such widening would disturb ditches.</p>	Less than significant
<p><b>Impact 3.4-3:</b> The proposed substantial increase in truck traffic on Roblar Road, which does not fully meet current roadway design standards, including class II bikeway standards, could introduce potential bicycle safety hazards. <i>(Substantially More Severe Significant Impact)</i></p>	<p><b>Mitigation Measure 3.4-3:</b> The Applicant shall widen Roblar Road on the 1.6-mile segment between the Quarry site entrance and Access Road 2 with two 11-foot-wide vehicle travel lanes, and an 11-foot west-bound left turn lane at Access Road 2, two 5-foot-wide shoulders (4-foot-wide paved), and appropriate side slope for the entire road design, as determined by the Department of Transportation &amp; Public Works. The Applicant shall widen Roblar Road with at least the following cross section dimensions:</p> <ul style="list-style-type: none"> <li>• 11-foot-wide vehicle travel lanes and 11-foot-wide left turn lane;</li> <li>• 4-foot-wide paved shoulders;</li> <li>• 1-foot-wide unpaved (rock) shoulders.</li> </ul>	Significant and unavoidable
<b>3.4 Transportation and Traffic (cont.)</b>		
<p><b>Impact 3.4-3 (cont.)</b></p>	<p>Final design of the horizontal curves shall meet <i>A Policy on Geometric Design of Highways and Streets</i>, as determined by the Department of Transportation &amp; Public Works, to accommodate all project trucks (including but not limited to trucks hauling gravel) through the curves to prevent offtracking within the pavement in the 1.6 mile segment, while maintaining an acceptable clearance to bicycles and vehicles in the opposing lane. If any component of an adequate design requires additional right of way, and if the applicant is unable to obtain this additional right of way from willing sellers, then any condemnation</p>	

**TABLE ES-1  
SUMMARY OF IMPACTS AND MITIGATION MEASURES**

Environmental Impact	Mitigation Measures	Level of Significance after Mitigation
<b>3.1 Geology, Soils, and Seismicity</b>		
<b>Impact 3.1-1:</b> Proposed modifications to the Use Permit could expose people or structures to seismic hazards including ground failure. <i>(No New or Substantially More Severe Significant Impact)</i>		
<b>Impact 3.1-2:</b> Proposed modifications to the Use Permit could cause substantial soil erosion or loss of topsoil. <i>(No New or Substantially More Severe Significant Impact)</i>		
<b>Impact 3.1-3:</b> Expansive soils could result in roadway damage and creek slope instability. <i>(No New or Substantially More Severe Significant Impact)</i>		
<b>Impact 3.1-4:</b> The proposed modifications to the Use Permit could allow activities in an area underlain by existing unstable geologic materials or on geologic materials that that could become unstable as a result of the modifications. Unstable areas could include landslides, subsidence, or soil collapse. <i>(No New or Substantially More Severe Significant Impact)</i>		
<b>3.2 Hydrology and Water Quality</b>		
<b>Impact 3.2-1:</b> The proposed modifications to the Use Permit could increase on- or off-site erosion, sedimentation, or flooding due to altered drainage patterns. <i>(Beneficial Impact / No New or Substantially More Severe Significant Impact)</i>		
<b>3.3 Biological Resources</b>		
<b>Impact 3.3-1:</b> The proposed relocation of Americano Creek would involve construction and grading activities that could disturb or remove wetland and riparian habitat. <i>(No New or Substantially More Severe Significant Impact, After Mitigation)</i>	<p><b>Mitigation Measure 3.3-1:</b> Revise wording of Condition/Mitigation Measure 133 as follows to confirm that the referenced 100-foot setback to critical habitat does not apply retroactively and to allow creek relocation, but with specific parameters for wetland and riparian habitat disturbance (additions to the text of the adopted Condition are <u>underlined</u>):</p> <p><b>133.</b> Avoid all potential jurisdictional wetlands and riparian habitat located along the southern boundary (i.e., Ranch Tributary) and the southwestern corner (i.e., seasonal wetlands on valley floor adjacent to Americano Creek) of the property, <u>except as shown in the Applicant's plans for relocation of Americano Creek, specifically the drawing by BKF Engineers, "Americano Creek Relocation" dated September 1, 2017 and the "Conceptual Planting Plan for Realigned Americano Creek" prepared by Ted Winfield, Ph.D., dated August 21, 2017.</u> Prior to construction activities, the project Applicant shall take appropriate measures to protect the wetland and riparian</p>	Less than significant

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<b>3.3 Biological Resources (cont.)</b>		
Impact 3.3-1 (cont.)	<p>habitat located in these areas. The following protection measures are to be included in the grading and Reclamation Plan:</p> <ul style="list-style-type: none"> <li>• Installation of exclusionary construction fencing along the southern property line as well as around the two seasonally wetlands identified on [Final EIR] Figure IV.D-1 to protect these features from all project construction and operation activities;</li> <li>• Implementation of measures to control dust in adjacent work areas (see comprehensive dust control program identified in Condition 161);</li> <li>• Maintenance of the hydrologic inputs (flow) to the seasonally wet area in the southwestern corner of the property, unless otherwise approved by resource agencies.</li> <li>• <u>Except as stated above for the relocation of Americano Creek, the project Applicant shall maintain the minimum allowed 100-foot setback for quarry mining operations from stream banks (Americano Creek and Ranch Tributary) and critical habitat areas designated in the Sonoma County General Plan (Chapter 26A, County Code), provided, however, that setbacks from designated critical habitat do not apply to sites that were reviewed pursuant to the California Environmental Quality Act and approved prior to the designation of the relevant critical habitat in the General Plan.</u></li> </ul>	
Impact 3.3-2: Project construction and grading activities associated with the proposed relocation of Americano Creek could conflict with local policies or ordinances protecting biological resources, such as a tree preservation policy or riparian corridor ordinance. <i>(No New or Substantially More Severe Significant Impact)</i>		
Impact 3.3-3: The proposed relocation of Americano Creek could disturb habitat for California red-legged frog, foothill yellow-legged frog, western pond turtle, or California tiger salamander. <i>(No New or Substantially More Severe Significant Impact)</i>		
Impact 3.3-4: The proposed relocation of Americano Creek could disturb active nests of raptors, burrowing owls, and other special-status birds. <i>(No New or Substantially More Severe Significant Impact)</i>		
Impact 3.3-5: Project construction and grading activities associated with the relocation of Americano Creek and the widening of Roblar Road could result in direct impacts to American badger and the loss of annual grasslands that support this species. <i>(No New or Substantially More Severe Significant Impact)</i>		
<b>3.3 Biological Resources (cont.)</b>		
Impact 3.3-6: Project construction and grading activities within the creek relocation area would not disturb active roosts of special-status bat species. <i>(No New or</i>		