Introduction

This executive summary identifies the purpose of the draft environmental impact report (EIR), provides an overview of the proposed Lime Rock Valley Specific Plan (LRVSP) (proposed project), identifies the impacts that would result from implementation of the proposed project, and identifies recommended mitigation measures. This summary also presents other conclusions required by the California Environmental Quality Act (CEQA) and the State CEQA Guidelines. These discussions provide an overview and are to be used in conjunction with the Draft EIR and technical appendices.

The proposed project site is in an unincorporated area of El Dorado County, California that is approximately 32 miles northeast of downtown Sacramento and 11 miles west of Placerville. The proposed project site covers approximately 740 acres south of U.S. Highway (US) 50 in El Dorado Hills and southwest of Cameron Park.

Purpose of the Draft Environmental Impact Report

This Draft EIR has been prepared by El Dorado County (County), as lead agency, pursuant to CEQA (Public Resources Code 21000 et seq.); the State CEQA Guidelines (California Code of Regulations 15000 et seq.), as amended; and the County's environmental thresholds of significance. CEQA requires that all state and local governmental agencies consider the environmental consequences of projects over which they have discretionary authority. Approval of the proposed project, which includes a general plan amendment and rezoning, constitutes a *project* under CEQA.

An EIR is an informational document used in the planning and decision-making process. It is not the purpose of an EIR to recommend either approval or denial of a project. An EIR is a public document that assesses the environmental effects related to the planning, construction, and operation of the proposed project and identifies ways to reduce or avoid possible environmental damage. The EIR discloses significant environmental impacts that cannot be avoided; growth-inducing impacts; effects found not to be significant; and significant cumulative impacts of all past, present, and reasonably anticipated future projects.

This EIR will be used by the El Dorado County Planning Commission and Board of Supervisors to determine whether implementation of the proposed project would result in significant environmental impacts. If environmental impacts are identified as significant and unavoidable, the County may still approve the project if it finds that social, economic, or other benefits outweigh the unavoidable impacts. When that is the case, the County must disclose the specific benefits in writing.

Level of Review in the Environmental Impact Report

CEQA identifies various types of EIRs, the most common of which is the project EIR. A project EIR focuses primarily on the changes in the environment that would result from a development project. It examines all phases of the project, including planning, construction, and operation. For the proposed project, this Draft EIR covers environmental impacts at a project level for onsite improvements, supported by site-specific studies.

The LRVSP would rely on infrastructure associated with the Marble Valley Master Plan, which was approved in 1998. The Marble Valley Master Plan includes the proposed Lime Rock Valley Road, which would provide access to the LRVSP project area through Marble Valley, and a proposed water line within that roadway that would provide potable water for the Lime Rock Valley development. There is a new proposed specific plan, the Village of Marble Valley Specific Plan (VMVSP), for the Marble Valley site, which includes these same infrastructure improvements on which the LRVSP would rely.

Offsite improvements associated with the proposed project—including Lime Rock Valley Road and associated water lines and connections to existing infrastructure such as water and wastewater systems—are included in the proposed project. Each of these offsite improvements is examined to determine potential impacts. Where feasible, mitigation measures are recommended. The offsite improvements are analyzed to the extent detail was available at the time that this Draft EIR was prepared, and later environmental review based on review of this EIR may be required once infrastructure details are known.

Public Review Process

Notice of Preparation Review and Scoping

A Notice of Preparation (NOP) was prepared for the proposed project and published for a 30-day public review and comment period beginning February 20, 2013 (Appendix A, *Notice of Preparation and Comment Matrix*). The County conducted a public scoping meeting on March 12, 2013, at Light of the Hills Lutheran Church in Cameron Park, from 6:30 to 8:30 p.m. Approximately 32 individuals provided written or oral comments on the NOP. A summary of these comments is also included in Appendix A.

Environmental Impact Report Public Review

The County encourages public review of this EIR. This Draft EIR is being circulated for a 60-day public review period. During this time, written comments may be submitted to the following staff person for consideration in the Final EIR.

Cameron Welch, Senior Planner
El Dorado County Planning and Building Department
2850 Fairlane Court, Building C
Placerville, CA 95667

Email: LRVSP@edcgov.us
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Following the close of the public comment period, the County will prepare a Final EIR that contains this Draft EIR plus any technical clarifications and responses to significant environmental points raised in the public review and resource agency consultations. The Final EIR will be considered by the El Dorado County Planning Commission and the Board of Supervisors and, subsequently, a decision will be made to approve or deny the proposed project.

Areas of Known Controversy/Issues to be Resolved

State CEQA Guidelines Section 15123(b) requires that the summary section of the EIR include a description of areas of controversy known to the lead agency, including issues raised by agencies and the public and issues to be resolved, including the choice among alternatives and whether or how to mitigate the significant effects. The areas of community concern and known controversy primarily focus on the overall level of growth and resulting effects in the El Dorado Hills area.

Areas of community concern (based on comments on the Notice of Preparation [NOP]) include the following.

- Incompatibility between the project and existing residences.
- Decrease in open space.
- Visual impacts and light and glare.
- Increased demand for public services (e.g., police and fire).
- Demand for new schools.
- Impact on neighboring recreational facilities.

Areas of known controversy include the following.

- Increased traffic (and traffic-related hazards) in the area.
- Increased traffic congestion on U.S. Highway (US) 50.
- Water supply and availability.
- Availability of recreational facilities.

Project Overview

The proposed LRVSP would provide for development of up to 800 residential units and an 8-acre neighborhood park with recreational amenities. About 335 acres would be designated as public and private open space. The proposed project would also include a network of pedestrian trails and pathways that would connect and enhance existing and proposed trails in the area, including the El Dorado Trail.

The LRVSP would rely on infrastructure associated with the Marble Valley Master Plan, which was approved in 1998. The Marble Valley Master Plan includes the Lime Rock Valley Road alignment proposed as part of the VMVSP, which would provide access to the project area through Marble Valley. There is a new proposed specific plan for Marble Valley that includes the same infrastructure on which the LRVSP would rely. Therefore, this infrastructure would be constructed regardless of whether the Marble Valley property is developed pursuant to the Marble Valley Master Plan or the VMVSP.

To implement the proposed development, the applicant is requesting amendments to the *El Dorado County General Plan* (County General Plan) (El Dorado County 2004) and rezoning in addition to adoption of the LRVSP. The proposed project would include the County actions described below. The proposed project would require annexation of the LRVSP area into the El Dorado Irrigation District (EID) service area for water, wastewater, and recycled water. The proposed project would also

require an amendment to the El Dorado Hills Community Services District (CSD) sphere of influence to include the LRVSP area and annexation of the LRVSP area into the El Dorado Hills CSD service area for parks and recreation.

General Plan Amendments

The proposed project would include the following County General Plan amendments.

- Amend the Community Region of El Dorado Hills to include the LRVSP area.
- Amend the County General Plan Land Use Map designation of subject lands from Rural Residential (RR) and Open Space (OS) to Adopted Plan-Lime Rock Valley Specific Plan (AP-LRVSP) and LRVSP land use designations Lime Rock Residential - Low (LRL), Lime Rock Residential – Medium (LRM), Village Park (VP), and Open Space (OS).

Rezoning

The proposed project would include the following rezoning.

- Amend zone districts from Estate Residential 10-Acre-Planned Development (RE-10-PD), Rural Lands-20 (RL-20) and Rural Lands-40 (RL-40), and OS to LRVSP zone districts 5-Acre Lot Residential-Planned Development (R5A-PD), 2.5-Acre Lot Residential-Planned Development (R2.5A-PD), 1-Acre Lot Residential-Planned Development (R1A-PD), 15,000 square feet (SF) Lot Residential-Planned Development (R15-PD), 10,000 SF Lot Residential-Planned Development (R10-PD), 6,000 SF Lot Residential-Planned Development (R6-PD), 4,000 SF Lot Residential-Planned Development (R4-PD), Community Open Space-Planned Development (OS1-PD), and Foundation or Private Open Space-Planned Development (OS2-PD).

Adoption of Lime Rock Valley Specific Plan

As part of the entitlement process, the County would adopt the LRVSP for the development of 800 dwelling units and the designation of 335 acres of open space on a 740-acre project area. The proposed project would require the County's approval of a development agreement, financing plan, development plan, and tentative and final subdivision maps.

Project Impacts and Mitigation Measures

The potential environmental impacts that would result from implementation of the proposed project and the proposed mitigation measures are summarized in Table ES-1 (at the end of this chapter). In many cases, impacts would be less than significant. To the extent feasible, the County has incorporated mitigation measures into the proposed project to avoid or reduce impacts. Those impacts that cannot be mitigated to a less-than-significant level would remain significant and unavoidable, as shown in Table ES-1.

Other CEQA-Related Impact Conclusions

Cumulative Impacts

State CEQA Guidelines Section 15130 requires that an EIR consider a project's contribution to any significant cumulative impacts. Cumulative impacts are the incremental effects of a proposed project added to the impacts of other closely related past, present, and reasonably foreseeable future projects, which, together, are cumulatively considerable. The purpose of the cumulative impact analysis is to assess the project's contribution in the context of the larger, cumulative impact.

All resource areas were analyzed for cumulative impacts. No cumulative impact related to hazards and hazardous materials, or water resources was identified. The proposed project's contribution to cumulative impacts within the region related to the following resource topics is expected to be less than cumulatively considerable; therefore, cumulative impacts would be less than significant.

- Cultural resources
- Geology, soils, minerals, and paleontological resources
- Hydrology and water quality
- Land use planning and agricultural resources
- Noise and vibration
- Population and housing
- Public services and utilities
- Recreation

The proposed project is expected to result in considerable contributions that can be mitigated to a less-than-significant level with additional mitigation to cumulative impacts regarding the following resource topics within the region.

- Transportation and circulation

The proposed project is expected to result in considerable contributions that cannot be mitigated to a less-than-significant level to cumulative impacts regarding the following resource topics within the region.

- Aesthetics
- Air quality
- Biological resources
- Greenhouse gas emissions

A detailed assessment of the proposed project's contribution to cumulative impacts is provided in Chapter 5, *Other CEQA Considerations.*

Growth Inducement and Growth-Related Impacts

State CEQA Guidelines Section 15126.2 provides guidance for analyzing the growth-inducing impacts of a project. The growth-inducement analysis must discuss ways in which a proposed

project could foster economic or population growth or the construction of additional housing, either directly or indirectly, in the surrounding environment. Projects that would remove obstacles to population growth could lead to increased demand for existing community services. Growth in an area is not necessarily considered beneficial, detrimental, or of little significance to the environment. However, the secondary impacts associated with growth (e.g., air quality impacts from new construction) can be significant.

This Draft EIR concludes that the proposed project would induce growth by amending the County General Plan and connecting to existing and constructing new roadways and infrastructure and, therefore, removing limitations on growth on the project site. The project site is currently surrounded by rural, low-density residential development. Infrastructure and connections to services and facilities would be proportionate to the level necessary to accommodate the proposed project and, therefore, would not in themselves increase development potential of properties outside the project site that were not planned for development in the project description or the County General Plan. Therefore, this impact is considered less than significant, and no mitigation is required.

Growth inducement and growth-related impacts are discussed in further detail in Chapter 5, *Other CEQA Considerations*.

Significant Irreversible Environmental Changes

State CEQA Guidelines Section 15126.2 requires that irreversible changes be evaluated in EIRs prepared for projects that would involve the adoption, amendment, or enactment of a plan, policy, or ordinance of a public agency. Examples of such changes include commitment of future generations to similar uses, irreversible damage that may result from accidents associated with a project, or irretrievable commitments of resources. This Draft EIR analyzes the extent to which the proposed project would commit nonrenewable resources to uses that future generations will likely be unable to reverse. Implementation of the proposed project would result in the short-term commitment of nonrenewable energy resources and natural resources, including sand, gravel, asphalt, and other resources to construct the project, along with permanent habitat conversion, as discussed in this Draft EIR. The project's significant impacts are discussed in detail in Chapter 3, *Impact Analysis*, and its significant irreversible environmental changes are discussed in Chapter 5, *Other CEQA Considerations.*

Project Alternatives

The Draft EIR must examine a reasonable range of alternatives to the proposed project that could feasibly attain most of the project objectives and avoid or substantially lessen any of the project's significant environmental impacts (State CEQA Guidelines 15126.6). As required by State CEQA Guidelines Section 15126.6, the range of alternatives must always include the No Project Alternative. The purpose of describing and analyzing a No Project Alternative is to allow decision-makers to compare the impacts of approving the proposed project with the impacts of not approving the proposed project.

The following alternatives are examined in this Draft EIR.

- Alternative 1—No Project

- Alternative 2—Reduced Density (0.2 Dwelling Units per Acre)
- Alternative 3—50% Reduced Density
- Alternative 4—Wetlands Avoidance and Historic Resources Protection

The impacts of these alternatives are summarized in Table ES-2 (below) and discussed in more detail in Chapter 4, *Alternatives Analysis*.

Table ES-2. Comparison of Alternative Impacts to the Proposed Project

Resource Topic	Proposed Project	Alternative 1 – No Project		Alternative 2 – Reduced Density (0.2 du/ac)		Alternative 3 – 50% Reduced Density		Alternative 4 – Wetland Avoidance	
Aesthetics									
Light/Glare	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Construction	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Operation	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Air Quality									
Conflict with Plan	SU	SU	(=)	SU	(=)	SU	(=)	SU	(=)
Construction Emissions	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Operation Emissions	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Combined Emissions	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
TAC Health Risks	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Criteria Pollutant/NOA Risks	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Biological Resources									
Oak Canopy	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Sensitive Vegetation Communities	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Wetlands	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)
Special Status Species	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Cultural Resources									
Known Archaeological Resources	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(>)	LTS w/mit	(=)	LTS w/mit	(=)
Potential Disturbance of Unknown Archaeological Resources	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Geology, Soils, Minerals, and Paleontological Resources									
Geology	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Mine Hazards	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(=)	LTS w/mit	(<)	LTS w/mit	(=)
Minerals	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Paleontological Resources	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)

Note: shading indicates change in significance level from proposed project.

NI = no impact. (<) less than proposed project.
LTS = less than significant impact. (=) equal to proposed project.
LTS w/mit = less than significant impact with mitigation incorporated. (>) greater than proposed project.
SU = significant and unavoidable impact.

Resource Topic	Proposed Project	Alternative 1 – No Project		Alternative 2 – Reduced Density (0.2 du/ac)		Alternative 3 – 50% Reduced Density		Alternative 4 – Wetland Avoidance	
Greenhouse Gas Emissions									
Generate GHG Emissions	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Conflict with Plan	SU	SU	(=)	SU	(=)	SU	(=)	SU	(=)
Hazards and Hazardous Materials									
Construction	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Operation	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Hydrology, Water Quality, and Water Resources									
Construction Site Stormwater Runoff	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(<)
Urban Stormwater Runoff	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(<)
Drainage and Flood Hazard	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(<)
Water Quality (Wetlands and Other Waters)	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)
Land Use Planning and Agricultural Resources									
Divide Community	NI	NI	(=)	NI	(=)	NI	(=)	NI	(=)
Conflict with Land Use Plan	LTS	NI	(<)	LTS	(=)	LTS	(=)	LTS	(=)
Conflict with Agricultural Zoning	NI	NI	(=)	NI	(=)	NI	(=)	NI	(=)
Noise and Vibration									
Construction	SU	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	SU	(=)
Ground Vibration	LTS w/mit	LTS w/mit	(=)	LTS w/mit	(=)	LTS w/mit	(=)	LTS w/mit	(>)
Traffic	SU	SU	(<)	SU	(<)	SU	(<)	SU	(=)
Non-Transportation Operation	LTS w/mit	LTS w/mit	(=)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Population and Housing									
Growth	SU	LTS	(<)	LTS	(<)	SU	(<)	SU	(=)
Displacement	LTS	LTS	(=)	LTS	(=)	LTS	(=)	LTS	(=)
Public Services and Utilities									
Public Services Facilities	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Wastewater Treatment	LTS w/mit	LTS	(<)	LTS	(<)	LTS	(<)	LTS w/mit	(=)
Water Supply	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Other Utilities Demand	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)
Offsite Infrastructure Construction	LTS w/mit	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(<)	LTS w/mit	(=)
Energy	LTS	LTS	(<)	LTS	(<)	LTS	(<)	LTS	(=)

Note: shading indicates change in significance level from proposed project.

NI = no impact. (<) less than proposed project.
LTS = less than significant impact. (=) equal to proposed project.
LTS w/mit = less than significant impact with mitigation incorporated. (>) greater than proposed project.
SU = significant and unavoidable impact.

Resource Topic	Proposed Project	Alternative 1 – No Project	Alternative 2 – Reduced Density (0.2 du/ac)	Alternative 3 – 50% Reduced Density	Alternative 4 – Wetland Avoidance
Recreation					
Impacts on Existing Parks	LTS w/mit	LTS w/mit (<)	LTS w/mit (<)	LTS w/mit (>)	LTS w/mit (=)
Impacts from New Offsite Parks	LTS w/mit	LTS w/mit (<)	LTS w/mit (<)	LTS w/mit (>)	LTS w/mit (=)
Transportation and Circulation					
Emergency Access	LTS w/mit	LTS w/mit (=)	LTS w/mit (=)	LTS w/mit (=)	LTS w/mit (=)
VMT Efficiency	SU	SU (>)	SU (>)	SU (>)	SU (=)
Pedestrian/bicycle/public transit	LTS w/mit	LTS w/mit (>)	LTS w/mit (<)	LTS w/mit (<)	LTS w/mit (=)

Note: shading indicates change in significance level from proposed project.

NI = no impact. (<) less than proposed project.
LTS = less than significant impact. (=) equal to proposed project.
LTS w/mit = less than significant impact with mitigation incorporated. (>) greater than proposed project.
SU = significant and unavoidable impact.

Environmentally Superior Alternative

State CEQA Guidelines Section 15126.6(e)(2) requires a Draft EIR to identify an "environmentally superior alternative." For the proposed project, the environmentally superior alternative is the No Project Alternative, because under this alternative nearly all of the impacts associated with development would be reduced.

State CEQA Guidelines Section 15126.6[e][2]) requires that, if the No-Project Alternative is identified as environmentally superior, the EIR must identify an environmentally superior alternative among the other alternatives. Based on the assessment included in Chapter 4, *Alternatives Analysis*, Alternative 3, the 50%-Reduced-Density Alternative, is the environmentally superior alternative. This alternative would result in half the dwelling units, which corresponds to fewer residents and, therefore, less impact on population-related resource areas such as air quality, and public services. The overall footprint would be the same as under the proposed project, but, because there would be fewer residences, construction-related impacts would likely be less.

Required Permits and Approvals

This EIR will be used by the County to document the potential impacts of the proposed project and to determine whether the impacts could be avoided or mitigated to less-than-significant levels. The County is the lead agency under CEQA for the proposed project. As applicable, this EIR may also be used by regulatory and responsible agencies, such as state agencies. These agencies are responsible for issuing permits and approvals that may be needed to proceed with the proposed project. A list of potential permits and approvals required by the County are identified below.

- Approval by the El Dorado County Board of Supervisors of a General Plan amendment.
- Approval by the El Dorado County Board of Supervisors of rezoning.

- Approval by the El Dorado County Board of Supervisors of the LRVSP.
- Approval by the El Dorado County Planning Commission and/or Board of Supervisors of large lot tentative subdivision map dividing the property into residential, commercial, open space, recreational, and other large lots.
- Approval by the El Dorado County Board of Supervisors of the Planned Development.
- Approval by the El Dorado County Board of Supervisors of a development agreement between the project applicant, G3 Enterprises, Inc, and the County.
- Approval by the El Dorado County Board of Supervisors of a financing plan between the project applicant, G3 Enterprises, Inc., and the County.
- Approval by the County of building and grading permits, General Permit for Municipal Storm Sewer Systems (MS4) compliance, and small lot tentative and final maps.

Other state and local approvals for the proposed project may be required as the project is implemented. This EIR may be used for other approvals that may be necessary for project implementation. Other project approvals that may be required are listed below.

- Clean Water Act (CWA) Section 401 certification from the Regional Water Quality Control Board.
- Approval by EID for connections to water and wastewater facilities.
- Submittal of a Notice of Intent to the State Water Board for coverage under the Statewide Construction General Permit (Water Quality Order No. 2009-0009-DWQ, as amended by 2010-0014-DWQ and 2012-006-DWQ) for construction activities.
- Section 1602 streambed alteration agreement from the California Department of Fish and Wildlife.
- Approvals by the El Dorado Local Agency Formation Commission (LAFCO) to annex the LRVSP area into the EID service area for water, and wastewater.
- Approvals by the El Dorado LAFCO to amend the El Dorado Hills CSD sphere of influence area to include the LRVSP area and to annex the LRVSP area into the El Dorado Hills CSD service area for parks and recreation.

Federal permits or project approvals that may be required are listed below.

- CWA Section 404 permit from the U.S. Army Corps of Engineers for fill of waters of the United States.
- Biological opinion from the U.S. Fish and Wildlife Service for project impacts on special-status species.

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Aesthetics			
Impact AES-1: Temporary visual impacts caused by construction activities	Significant	Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees	Significant and unavoidable
Impact AES-2: Have a substantial adverse effect on a scenic vista	No impact	-	-
Impact AES-3: Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings along a scenic highway	No impact	-	-
Impact AES-4: Substantially degrade the existing visual character or quality of the site and its surroundings	Significant	Mitigation Measure AES-4a: Design proposed noise barriers with aesthetic design treatments Mitigation Measure AES-4b: Apply aesthetic design treatments to buildings within oak woodland and grassland areas	Significant and unavoidable
Impact AES-5: Create a new source of substantial light or glare that would adversely affect daytime or nighttime views in the area	Significant	Mitigation Measure AES-4b: Apply aesthetic design treatments to buildings within oak woodland and grassland areas	Significant and unavoidable
Impact AES-6: Adversely affect scenic highways and vistas, the existing visual character or quality of the site and its surroundings, or create a new source of substantial light or glare as a result of offsite improvements	Less than significant	–	–
Air Quality			
Impact AQ-1: Conflict with or obstruct implementation of the applicable air quality plan	Significant	–	Significant and unavoidable
Impact AQ-2a: Result in a cumulatively considerable net increase of any criteria pollutant during construction for which the project region is a nonattainment area for an applicable federal or state ambient air quality standard	Significant	Mitigation Measure AQ-2a: Use low-VOC coatings during construction Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions	
Impact AQ-2b: Result in a cumulatively considerable net increase of any criteria pollutant during operation for which the project region is a nonattainment area for an applicable federal or state ambient air quality standard	Less than significant	–	-
Impact AQ-2c: Result in a cumulatively considerable net increase of any criteria pollutant during combined construction and operation for which the project region is a nonattainment area for an applicable federal or state ambient air quality standard	Significant	Mitigation Measure AQ-2a: Use low-VOC coatings during construction Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure AQ-2e: Use zero-VOC coatings during the last year of construction Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions Mitigation Measure GHG-2: Develop and implement a GHG reduction plan to reduce construction and operational area, mobile, and building natural gas GHG emissions. Mitigation Measure TRA-2: TDM strategies to reduce the impact of the residential component	Less than significant
Impact AQ-3a: Expose sensitive receptors to substantial toxic air contaminant concentrations and health risks during construction	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction	Significant and unavoidable

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions	
Impact AQ-3b: Expose sensitive receptors to naturally occurring asbestos and associated health risks during operation	Less than significant	–	–
Impact AQ-3c: Expose sensitive receptors to substantial criteria pollutant concentrations during construction and operation	Significant	Mitigation Measure AQ-2a: Use low-VOC coatings during construction Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure AQ-2e: Use zero-VOC coatings during the last year of construction Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions Mitigation Measure GHG-2: Develop and implement a GHG reduction plan to reduce construction and operational area, mobile, and building natural gas GHG emissions Mitigation Measure TRA-2: TDM strategies to reduce the impact of the residential component	Less than significant
Impact AQ-3d: Expose sensitive receptors to naturally occurring asbestos and associated health risks during construction	Significant	Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2	Less than significant
Impact AQ-4: Result in other emissions (such as those leading to odors) adversely affecting a substantial number of people	Less than significant	-	-

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact AQ-5: Result in a cumulatively considerable net increase of any criteria pollutant, expose sensitive receptors to substantial pollutant concentrations, or generate odors as a result of construction and operations of offsite improvements	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions Mitigation Measure AQ-3 Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2	Less than significant
Impact AQ-6: Result in a cumulatively considerable net increase of any criteria pollutant, expose sensitive receptors to substantial pollutant concentrations, or generate odors as a result of implementation of General Plan Policy TC-Xf improvements	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2 Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions	Less than significant
Biological Resources			
Impact BIO-1: Loss of oak woodland	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees Mitigation Measure BIO-1e: Maintain retained oaks in development areas	
Impact BIO-2: Loss of riparian woodland	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-2: Compensate for permanent loss of riparian woodland	Less than significant
Impact BIO-3: Loss of jurisdictional wetlands, including seasonal wetland, seasonal wetland seep, and seasonal wetland pond	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-3b: Compensate for loss of jurisdictional wetlands	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-4: Loss of other waters of the United States, including perennial creek, intermittent stream, ephemeral stream, and stock pond	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-4: Compensate for loss of other waters of the United States	Less than significant
Impact BIO-5: Potential loss of special-status plants	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-5a: Conduct floristic surveys in the project area for special-status plants during appropriate identification periods Mitigation Measure BIO-5b: Avoid impacts on Layne's ragwort plants through project design Mitigation Measure BIO-5c: Compensation for impacts on Bisbee Peak rush-rose, unavoided Layne's ragwort, and any other special-status plants	Less than significant
Impact BIO-6: Potential mortality or disturbance of monarch butterfly within the LRVSP project area	Less than significant	-	-
Impact BIO-7: Potential mortality or disturbance of California red-legged frog within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-7: Conduct preconstruction survey and implement California red-legged frog avoidance and minimization measures	
Impact BIO-8: Potential mortality or disturbance of foothill yellow-legged frog within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-8: Avoid and minimize construction-related impacts on foothill yellow-legged frog	Less than significant
Impact BIO-9: Potential mortality or disturbance of northwestern pond turtle within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-9: Conduct preconstruction surveys for northwestern pond turtle and exclude turtles from the work area	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-10: Potential mortality or disturbance of Blainville's horned lizard within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-10a: Avoid and minimize impacts on Blainville's horned lizard Mitigation Measure BIO-10b: Include measures in the open space management plan identifying homeowner responsibilities to help reduce potential for domestic animal predation on wildlife	Less than significant
Impact BIO-11: Potential mortality or disturbance of nesting special-status and non–special-status birds within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-11b: Conduct preconstruction nesting surveys for special-status and non–special-status birds and implement protective measures during construction	Less than significant
Impact BIO-12: Potential injury, mortality, or disturbance of tree-roosting bats and removal of roosting habitat within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-12: Identify suitable roosting sites for bats and implement avoidance and minimization measures	
Impact BIO-13: Potential mortality or disturbance of American badger within the LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-13: Implement measures to avoid and minimize potential impacts on American badger	Less than significant
Impact BIO-14: Potential mortality or disturbance of ringtail within LRVSP project area	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-14: Identify suitable shelter and denning habitat for ringtail and implement avoidance and protective measures	Less than significant
Impact BIO-15: Interfere with the movement of resident or migratory wildlife	Significant	Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees Mitigation Measure BIO-10b: Include measures in the open space management plan identifying homeowner responsibility to help reduce potential for domestic animal predation on wildlife	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-16: Conflict with the County General Plan oak protection policies	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees Mitigation Measure BIO-1e: Maintain retained oaks in development areas	Less than significant
Impact BIO-17: Potential introduction and spread of invasive plant species	Significant	Mitigation Measure BIO-17: Avoid the introduction and minimize spread of invasive plants	Less than significant
Impact BIO-18: Potential loss of sensitive natural communities within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees Mitigation Measure BIO-2: Compensate for permanent loss of riparian woodland Mitigation Measure BIO-18a: Map sensitive natural communities adjacent to the proposed Shingle Lime Mine Road construction area and Interim Phase 1 Potable Water alignments for the offsite improvements Mitigation Measure BIO-18b: Compensate for loss of oak woodland in offsite improvement areas	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-19: Potential loss of waters of the United States within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-3b: Compensate for loss of jurisdictional wetlands Mitigation Measure BIO-4: Compensate for loss of other waters of the United States	Less than significant
Impact BIO-20: Potential impacts on special-status plant species within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-20a: Conduct floristic surveys in the offsite improvement areas for special-status plants during appropriate identification periods Mitigation Measure BIO-20b: Avoid or compensate for substantial effects on special- status plants in the offsite improvement areas	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-21: Potential mortality or disturbance of listed vernal pool branchiopods and their habitat within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-21a: Conduct a habitat assessment for federally listed branchiopods in the offsite infrastructure improvement areas Mitigation Measure BIO-21b: Avoid or compensate for direct and indirect effects on vernal pool fairy shrimp and vernal pool tadpole shrimp and their habitat	Less than significant
Impact BIO-22: Potential mortality or disturbance of monarch butterfly and its habitat within offsite infrastructure improvement areas	Less than significant	-	-
Impact BIO-23: Potential mortality or disturbance of California red-legged frog within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-7: Conduct preconstruction survey and implement California red-legged frog avoidance and minimization measures	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact BIO-24: Potential mortality or disturbance of foothill yellow-legged frog within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands Mitigation Measure BIO-8: Avoid and minimize construction-related impacts on foothill yellow-legged frog	Less than significant
Impact BIO-25: Potential mortality or disturbance of northwestern pond turtle within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-9: Conduct preconstruction surveys for northwestern pond turtle and exclude turtles from the work area	Less than significant
Impact BIO-26: Potential mortality or disturbance of Blainville's horned lizard within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-10a: Avoid and minimize impacts on Blainville's horned lizard Mitigation Measure BIO-10b: Include measures in the open space management plan identifying homeowner	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		responsibilities to help reduce potential for domestic animal predation on wildlife	
Impact BIO-27: Potential mortality or disturbance of nesting special-status and non–special-status birds within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-11b: Conduct preconstruction nesting surveys for special-status and non–special-status birds and implement protective measures during construction	Less than significant
Impact BIO-28: Potential mortality or disturbance of tree-roosting bats and removal of roosting habitat within the offsite improvement areas within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-12: Identify suitable roosting sites for bats and implement avoidance and minimization measures	Less than significant
Impact BIO-29: Potential mortality or disturbance of American badger within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-13: Implement measures to avoid and minimize potential impacts on American badger	
Impact BIO-30: Potential mortality or disturbance of ringtail within the offsite improvement areas	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors Mitigation Measure BIO-14: Identify suitable shelter and denning habitat for ringtail and implement avoidance and protective measures	Less than significant
Cultural Resources			
Impact CUL-1: Cause a substantial adverse change in the significance of a historic period district that is a historical resource as defined in Section 15064.5	Significant	Mitigation Measure CUL-1: Avoid impacts on the Lime Rock Valley Historic District where possible and implement appropriate measures where avoidance is not possible	Less than significant
Impact CUL-2: Cause a substantial adverse change in the significance of an archaeological resource that is a historic resource pursuant to Section 15064.5	Significant	Mitigation Measure CUL-2a: Avoid and minimize potential indirect impacts on P-9-1949 and P-9-5549 Mitigation Measure CUL-2b: Avoid and minimize impacts on resource P-9-1949 and implement appropriate measures if avoidance is not feasible Mitigation Measure CUL-2c: Avoid and minimize impacts on resource P-9-3906 and implement appropriate measures if avoidance is not feasible Mitigation Measure CUL-2d: Implement cultural resources training and monitoring during ground-disturbing activities	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		and halt work if previously unrecorded cultural resources are encountered	
Impact CUL-3: Disturb any human remains, including those interred outside of formal cemeteries	Significant	Mitigation Measure CUL-3: Perform archaeological construction monitoring during ground-disturbing activities and stop work if human remains are encountered	Less than significant
Impact CUL-4: Result in disturbance to or destruction of cultural resources as a result of offsite infrastructure and General Plan Policy TC-Xf improvements	Significant	Mitigation Measure CUL-2d: Implement cultural resources training and monitoring during ground-disturbing activities and halt work if previously unrecorded cultural resources are encountered Mitigation Measure CUL-3: Perform archaeological construction monitoring during ground-disturbing activities and stop work if human remains are encountered Mitigation Measure CUL-4a: Perform cultural resources surveys of the offsite improvement areas and address any eligible resources in accordance with State CEQA Guidelines Section 15126.4 Mitigation Measure CUL-4b: Avoid and minimize impacts on archaeological sites adjacent to offsite improvements	Less than significant
Geology, Soils, Minerals, and Paleontological Resources			
Impact GEO-1: Directly or indirectly cause potential substantial adverse effects, including the risk of loss, injury, or death involving: (1) rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault (refer to Division of Mines and Geology Special Publication 42); (2) strong seismic ground shaking; (3) seismic-related ground failure, including liquefaction; or (4) landslides	Less than significant	-	-
Impact GEO-2: Result in substantial soil erosion or the loss of topsoil	Less than significant	–	–

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact GEO-3: Be located on a geologic unit or soil that is unstable or that would become unstable as a result of the project and potentially result in an onsite or offsite landslide, lateral spreading, subsidence, liquefaction, or collapse	Significant	Mitigation Measure GEO-3a: Form a Geological Hazard and Abatement District and implement investigation and monitoring program for mine and setback area Mitigation Measure GEO-3b: Incorporate standard practices for abandoning relatively small hard rock mine features Mitigation Measure GEO-3c: Develop and implement reporting process for mine features discovered by residents, visitors, and employees	Less than significant
Impact GEO-4: Result in fracturing and/or erosion from special construction methods, increasing the potential for additional development constraints beyond those that currently exist	Significant	Mitigation Measure GEO-4: Incorporate mitigation measures identified in the geotechnical report and use standard engineering practices to mitigate for increased fracturing and/or erosion	Less than significant
Impact GEO-5: Be located on expansive soil, as defined in Section 1803.5.3 of the 2016 CBSC, creating substantial risks to life or property	Less than significant	–	–
Impact GEO-6: Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems in areas where sewers are not available for the disposal of wastewater	No impact	–	–
Impact GEO-7: Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state	Less than significant	–	–
Impact GEO-8: Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan	No impact	–	–
Impact GEO-9: Directly or indirectly destroy a unique paleontological resource	Significant	Mitigation Measure GEO-9a: Educate construction personnel in recognizing fossil material Mitigation Measure GEO-9b: Stop work if substantial fossil remains are encountered during construction Mitigation Measure GEO-9c: Stop work if a cave or void is encountered	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact GEO-10: Impacts on geological, mineral, and paleontological resources resulting from offsite improvements, and General Plan Policy TC-Xf traffic improvements	Significant	Mitigation Measure GEO-4: Incorporate mitigation measures identified in the geotechnical report and use standard engineering practices to mitigate for increased fracturing and/or erosion Mitigation Measure GEO-9a: Educate construction personnel in recognizing fossil material Mitigation Measure GEO-9b: Stop work if substantial fossil remains are encountered during construction Mitigation Measure GEO-9c: Stop work if a cave or void is encountered	Less than significant
Greenhouse Gas Emissions			
Impact GHG-1: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment	Significant	Mitigation Measure TRA-2: TDM strategies to reduce the impact of the residential component Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions Mitigation Measure GHG-2: Develop and implement a GHG reduction plan to reduce construction and operational area, mobile, and building natural gas GHG emissions	Significant and unavoidable
Impact GHG-2: Conflict with an applicable plan, policy, or regulation adopted for the purpose of reducing the emissions of greenhouse gases	Significant	Mitigation Measure TRA-2: TDM strategies to reduce the impact of the residential component Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks	Significant and unavoidable

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions Mitigation Measure GHG-2: Develop and implement a GHG reduction plan to reduce construction and operational area, mobile, and building natural gas GHG emissions	
Impact GHG-3: Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment as a result of offsite improvements	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions	Less than significant
Impact GHG-4: Impacts on GHG emissions resulting from implementation of General Plan Policy TC-Xf traffic improvements	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction-related exhaust emissions during early construction Mitigation Measure AQ-2c: Require advanced off-road engines and newer onsite on-road trucks Mitigation Measure GHG-1: Implement BMPs to reduce construction-generated GHG emissions	Less than significant
Hazards and Hazardous Materials			
Impact HAZ-1: Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials	Less than significant	–	–
Impact HAZ-2: Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment	Significant	Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2 Mitigation Measure HAZ-2a: Perform Phase II Environmental Site Assessment Mitigation Measure HAZ-2b: Conduct soil investigation along Deer Creek in the event of soil disturbance	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact HAZ-3: Emit hazardous emissions or involve handling hazardous or acutely hazardous materials, substances, or waste within 0.25 mile of an existing or proposed school	No impact	–	–
Impact HAZ-4: Be located on a site that is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would create a significant hazard to the public or the environment	No impact	–	–
Impact HAZ-5: Be located within an airport land use plan area or, where such a plan has not been adopted, be within 2 miles of a public airport or public use airport, and result in a safety hazard for people residing or working in the project area	No impact	–	–
Impact HAZ-6: Be located within the vicinity of a private airstrip and result in a safety hazard for people residing or working in the project area	No impact	–	–
Impact HAZ-7: Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan	Less than significant	–	–
Impact HAZ-8: Expose people or structures to a significant risk of loss, injury, or death involving wildland fires; substantially impair an adopted emergency response plan or emergency evacuation plan; due to slope, prevailing winds, and other factors, exacerbate wildfire risks; require the installation or maintenance of associated infrastructure that may exacerbate fire risk; or expose people or structures to significant risks, including downslope or downstream flooding or landslides, as a result of runoff, post-fire slope instability, or drainage changes	Significant	Mitigation Measure HAZ-8: Preparation of a Wildfire Safety Plan	Less than significant
Impact HAZ-9: Create a significant hazard to the public or the environment as a result of offsite infrastructure and General Plan Policy TC-Xf traffic improvements	Significant	Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAMD Rule 223-2	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure TRA-4: Implement site-specific transportation management plan during construction	
Hydrology, Water Quality, and Water Resources			
Impact WQ-1: Violate any water quality standards or waste discharge requirements or otherwise substantially degrade surface water or groundwater quality	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands	Less than significant
Impact WQ-2: Substantially decrease groundwater supplies or interfere substantially with groundwater recharge, such that the project may impede sustainable groundwater management of the basin	Less than significant	–	–
Impact WQ-3i: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner that would result in substantial erosion or siltation onsite or offsite	Less than significant	–	–
Impact WQ-3ii: Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner that would result in flooding onsite or offsite	Less than significant	–	–
Impact WQ-3iii: Create or contribute runoff water that would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff	Less than significant	–	–
Impact WQ-3iv: Impede or redirect flood flows	Less than significant	–	–

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact WQ-4: In a flood hazard, tsunami, or seiche, risk release of pollutants due to project inundation	Less than significant	–	–
Impact WQ-5: Conflict with or obstruct implementation of a water quality control plan or sustainable groundwater management plan	No impact	–	–
Impact WQ-6: Impacts on hydrology and water quality resulting from offsite improvements, including General Plan Policy TC-Xf traffic improvements	Significant	Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands	Less than significant
Land Use Planning and Agricultural Resources			
Impact LU-1: Physically divide an established community	No impact	–	–
Impact LU-2: Cause a significant environmental impact due to conflict with any land use plan, policy, or regulation adopted for the purpose of avoiding or mitigating an environmental effect	Less than significant	–	–
Impact LU-3: Convert Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use	No impact	–	–
Impact LU-4: Conflict with existing zoning for agricultural use or conflict with a Williamson Act contract	No impact	–	–
Impact LU-5: Conflict with existing zoning for, or cause rezoning of forest land (as defined in Public Resources Code Section 12220[g]), timberland (as defined by Public	No impact	–	–

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Resources Code Section 4526), or timberland zoned Timberland Production (as defined by Government Code Section 51104[g])			
Impact LU-6: Result in the loss of forest land or conversion of forest land to non-forest use	No impact	–	–
Impact LU-7: Involve other changes in the existing environment that, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use	Less than significant	–	–
Impact LU-8: Result in impacts related to land use as a result of offsite improvements or General Plan Policy TC-Xf traffic improvements	Less than significant	–	–
Noise and Vibration			
Impact NOI-1a: Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the County General Plan or noise ordinance as a result of construction activities	Significant	Mitigation Measure NOI-1a: Employ noise-reducing construction practices	Significant and unavoidable
Impact NOI-1b: Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the County General Plan or noise ordinance from project-generated traffic within the LRVSP in excess of standards established in the County General Plan	Significant	Mitigation Measure NOI-1b: Prepare and implement a noise control plan Mitigation Measure NOI-1c: Prepare and implement a noise control plan for the residence at 2080 Marble Valley Road	Significant and unavoidable
Impact NOI-1c: Generation of a substantial temporary or permanent increase in ambient noise levels in the vicinity of the project in excess of standards established in the County General Plan or noise ordinance for stationary or non-transportation noise sources during project operation	Significant	Mitigation Measure NOI-1b: Prepare and implement a noise control plan	Less than significant
Impact NOI-2: Generation of excessive groundborne vibration or groundborne noise levels	Significant	Mitigation Measure NOI-2: Employ measures to reduce airblast and vibration from blasting	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Impact NOI-3: For a project located within the vicinity of a private airstrip or an airport land use plan area or, where such a plan has not been adopted, within 2 miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels	Less than significant	–	–
Impact NOI-4: Result in noise impacts due to activities associated with project offsite improvements	Significant	Mitigation Measure NOI-2: Employ measures to reduce airblast and vibration from blasting	Significant and unavoidable
Impact NOI-5: Result in impacts related to noise as a result of General Plan Policy TC-Xf traffic improvements	Less than significant	–	-
Population and Housing			
Impact POP-1: Induce substantial unplanned population growth in an area, either directly (e.g., by proposing new homes and businesses) or indirectly (e.g., through extension of roads or other infrastructure)	Significant	–	Significant and unavoidable
Impact POP-2: Displace substantial numbers of existing people or housing, necessitating the construction of replacement housing elsewhere	Less than significant	–	–
Public Services and Utilities			
Impact PSU-1: Result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, or the need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times, or other performance objectives for any of the following public services: fire protection, police protection, schools, other public facilities	Less than significant	–	–
Impact PSU-2: Require or result in the relocation or construction of new or expanded wastewater treatment or stormwater drainage facilities, the construction or	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction related exhaust emissions during early construction	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
relocation of which could cause significant environmental effects		Mitigation Measure AQ-2d: Implement an EDCAQMD-approved Fugitive Dust Control Plan	
		Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2	
		Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided	
		Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees	
		Mitigation Measure BIO-1c: Conduct periodic site visits during construction	
		Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees	
		Mitigation Measure BIO-2: Compensate for permanent loss of riparian woodland	
		Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands	
		Mitigation Measure BIO-3b: Compensate for loss of jurisdictional wetlands	
		Mitigation Measure BIO-4: Compensate for loss of other waters of the United States	
		Mitigation Measure BIO-5a: Conduct floristic surveys in the project area for special-status plants during appropriate identification periods	
		Mitigation Measure BIO-5b: Avoid impacts on Layne's ragwort plants through project design	
		Mitigation Measure BIO-5c: Compensation for impacts on Bisbee Peak rush-rose and unavoided Layne's ragwort	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-7: Conduct preconstruction survey and implement California red-legged frog avoidance and minimization measures	
		Mitigation Measure BIO-8: Avoid and minimize construction-related impacts on foothill yellow-legged frog	
		Mitigation Measure BIO-9: Conduct preconstruction surveys for northwestern pond turtle and exclude turtles from the work area	
		Mitigation Measure BIO-10a: Avoid and minimize impacts on Blainville's horned lizard	
		Mitigation Measure BIO-10b: Include measures in the open space management plan identifying homeowner responsibilities to help reduce potential for domestic animal predation on wildlife	
		Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors	
		Mitigation Measure BIO-11b: Conduct preconstruction nesting surveys for special-status and non–special-status birds and implement protective measures during construction	
		Mitigation Measure BIO-12: Identify suitable roosting sites for bats and implement avoidance and minimization measures	
		Mitigation Measure BIO-13: Implement measures to avoid and minimize potential impacts on American badger	
		Mitigation Measure BIO-14: Identify suitable shelter and denning habitat for ringtail and implement avoidance and protective measures	
		Mitigation Measure BIO-17: Avoid the introduction and minimize spread of invasive plants	
		Mitigation Measure BIO-18a: Map sensitive natural communities adjacent to the proposed Shingle Lime Mine Road construction area and Interim Phase 1 Potable Water alignments for the offsite improvements	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-18b: Compensate for loss of oak woodland in offsite improvement areas	
		Mitigation Measure BIO-20a: Conduct floristic surveys in the offsite improvement areas for special-status plants during appropriate identification periods	
		Mitigation Measure BIO-20b: Avoid or compensate for substantial effects on special- status plants in the offsite improvement areas	
		Mitigation Measure BIO-21a: Conduct a habitat assessment for federally listed branchiopods in the offsite infrastructure improvement areas	
		Mitigation Measure BIO-21b: Avoid or compensate for direct and indirect effects on vernal pool fairy shrimp and vernal pool tadpole shrimp and their habitat	
		Mitigation Measure CUL-1: Avoid impacts on the Lime Rock Valley Historic District where possible and implement appropriate measures where avoidance is not possible	
		Mitigation Measure CUL-2a: Avoid and minimize potential indirect impacts on P-9-1949 and P-9-5549	
		Mitigation Measure CUL-2b: Avoid and minimize impacts on resource P-9-1949 and implement appropriate measures if avoidance is not feasible	
		Mitigation Measure CUL-2c: Avoid and minimize impacts on resource P-9-3906 and implement appropriate measures if avoidance is not feasible	
		Mitigation Measure CUL-2d: Implement cultural resources training and monitoring during ground-disturbing activities and halt work if previously unrecorded cultural resources are encountered	
		Mitigation Measure CUL-3: Perform archaeological construction monitoring during ground-disturbing activities and stop work if human remains are encountered	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure CUL-4a: Perform cultural resources surveys of the offsite improvement areas and address any eligible resources in accordance with State CEQA Guidelines Section 15126.4 Mitigation Measure CUL-4b: Avoid and minimize impacts on archaeological sites adjacent to offsite improvements Mitigation Measure GEO-9a: Educate construction personnel in recognizing fossil material Mitigation Measure GEO-9b: Stop work if substantial fossil remains are encountered during construction Mitigation Measure GEO-9c: Stop work if a cave or void is encountered Mitigation Measure NOI-1a: Employ noise-reducing construction practices Mitigation Measure TRA-4: Implement site-specific transportation management plan during construction	
Impact PSU-3: Require or result in the construction of new water facilities or the expansion of existing facilities, the construction of which could cause significant environmental effects	Significant	Mitigation Measure AQ-2b: Implement best management practices to reduce construction related exhaust emissions during early construction Mitigation Measure AQ-2d: Implement EDCAQMD-approved Fugitive Dust Control Plan Mitigation Measure AQ-3: Submit and implement an Asbestos Dust Mitigation Plan in accordance with EDCAQMD Rule 223-2 Mitigation Measure BIO-1a: Install construction barriers around the construction area to protect sensitive biological resources to be avoided Mitigation Measure BIO-1b: Conduct environmental awareness training for construction employees Mitigation Measure BIO-1c: Conduct periodic site visits during construction	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-1d: Avoid and minimize potential disturbance of oak woodland habitat and compensate for loss of oak woodland and individual trees	
		Mitigation Measure BIO-2: Compensate for permanent loss of riparian woodland	
		Mitigation Measure BIO-3a: Avoid and minimize disturbance of waters of the United States, including wetlands	
		Mitigation Measure BIO-3b: Compensate for loss of jurisdictional wetlands	
		Mitigation Measure BIO-4: Compensate for loss of other waters of the United States	
		Mitigation Measure BIO-5a: Conduct floristic surveys in the project area for special-status plants during appropriate identification periods	
		Mitigation Measure BIO-5b: Avoid impacts on Layne's ragwort plants through project design	
		Mitigation Measure BIO-5c: Compensation for impacts on Bisbee Peak rush-rose and unavoided Layne's ragwort	
		Mitigation Measure BIO-7: Conduct preconstruction survey and implement California red-legged frog avoidance and minimization measures	
		Mitigation Measure BIO-8: Avoid and minimize construction-related impacts on foothill yellow-legged frog	
		Mitigation Measure BIO-9: Conduct preconstruction surveys for northwestern pond turtle and exclude turtles from the work area	
		Mitigation Measure BIO-10a: Avoid and minimize impacts on Blainville's horned lizard	
		Mitigation Measure BIO-10b: Include measures in the open space management plan identifying homeowner responsibilities to help reduce potential for domestic animal predation on wildlife	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure BIO-11a: Conduct vegetation removal activities outside the breeding season for birds and raptors	
		Mitigation Measure BIO-11b: Conduct preconstruction nesting surveys for special-status and non–special-status birds and implement protective measures during construction	
		Mitigation Measure BIO-12: Identify suitable roosting sites for bats and implement avoidance and minimization measures	
		Mitigation Measure BIO-13: Implement measures to avoid and minimize potential impacts on American badger	
		Mitigation Measure BIO-14: Identify suitable shelter and denning habitat for ringtail and implement avoidance and protective measures	
		Mitigation Measure BIO-17: Avoid the introduction and minimize spread of invasive plants	
		Mitigation Measure BIO-18a: Map sensitive natural communities adjacent to the proposed Shingle Lime Mine Road construction area and Interim Phase 1 Potable Water alignments for the offsite improvements	
		Mitigation Measure BIO-18b: Compensate for loss of oak woodland in offsite improvement areas	
		Mitigation Measure BIO-20a: Conduct floristic surveys in the offsite improvement areas for special-status plants during appropriate identification periods	
		Mitigation Measure BIO-20b: Avoid or compensate for substantial effects on special- status plants in the offsite improvement areas	
		Mitigation Measure BIO-21a: Conduct a habitat assessment for federally listed branchiopods in the offsite infrastructure improvement areas	
		Mitigation Measure BIO-21b: Avoid or compensate for direct and indirect effects on vernal pool fairy shrimp and vernal pool tadpole shrimp and their habitat	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure CUL-1: Avoid impacts on the Lime Rock Valley Historic District where possible and implement appropriate measures where avoidance is not possible	
		Mitigation Measure CUL-2a: Avoid and minimize potential indirect impacts on P-9-1949 and P-9-5549	
		Mitigation Measure CUL-2b: Avoid and minimize impacts on resource P-9-1949 and implement appropriate measures if avoidance is not feasible	
		Mitigation Measure CUL-2c: Avoid and minimize impacts on resource P-9-3906 and implement appropriate measures if avoidance is not feasible	
		Mitigation Measure CUL-2d: Implement cultural resources training and monitoring during ground-disturbing activities and halt work if previously unrecorded cultural resources are encountered	
		Mitigation Measure CUL-3: Perform archaeological construction monitoring during ground-disturbing activities and stop work if human remains are encountered	
		Mitigation Measure CUL-4a: Perform cultural resources surveys of the offsite improvement areas and address any eligible resources in accordance with State CEQA Guidelines Section 15126.4	
		Mitigation Measure CUL-4b: Avoid and minimize impacts on archaeological sites adjacent to offsite improvements	
		Mitigation Measure GEO-9a: Educate construction personnel in recognizing fossil material	
		Mitigation Measure GEO-9b: Stop work if substantial fossil remains are encountered during construction	
		Mitigation Measure GEO-9c: Stop work if a cave or void is encountered	
		Mitigation Measure NOI-1a: Employ noise-reducing construction practices	

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
		Mitigation Measure TRA-4: Implement site-specific transportation management plan during construction	
Impact PSU-4: Have sufficient water supplies available to serve the project and reasonably foreseeable future development during normal, dry and multiple dry years	Less than significant	–	–
Impact PSU-5: Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments	Less than significant	–	–
Impact PSU-6: Generate solid waste in excess of State or local standards, or in excess of the capacity of local infrastructure, or otherwise impair the attainment of solid waste reduction goals	Less than significant	–	–
Impact PSU-7: Comply with federal, state, and local management and reduction statutes and regulations related to solid waste	Less than significant	–	–
Impact PSU-8: Result in potentially significant environmental impact due to wasteful, inefficient, or unnecessary consumption of energy resources, during project construction or operation or conflict with or obstruct a state or local plan for renewable energy or energy efficiency	Less than significant	–	–
Recreation			
Impact REC-1: Increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated	Significant	Mitigation Measure REC-1: Designate at least 5.2 acres of private neighborhood parkland in the LRVSP or pay in-lieu fees	Less than significant
Impact REC-2: Require the construction or expansion of offsite recreational facilities that might have an adverse physical effect on the environment	Significant	Mitigation Measure REC-1: Designate at least 5.2 acres of private neighborhood parkland in the LRVSP or pay in-lieu fees	Less than significant

Table ES-1. Summary of Impacts and Mitigation Measures

Impact	Level of Significance before Mitigation	Mitigation Measure	Significance after Mitigation
Transportation and Circulation			
Impact TRA-1: Conflict with a program, plan, ordinance, or policy addressing the circulation system, including transit, roadway, bicycle and pedestrian	Less than significant		
Impact TRA-2: Conflict or be inconsistent with CEQA Guidelines Section 15064.3, Subdivision (b)	Significant	Mitigation Measure TRA-2: TDM strategies to reduce the impact of the residential component	Significant and unavoidable
Impact TRA-3: Substantially increase hazards because of a geometric design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)	Less than significant	–	–
Impact TRA-4: Result in inadequate emergency access	Significant	Mitigation Measure TRA-4: Implement site-specific transportation management plan during construction	Less than significant
Impact TRA-5: Impacts on circulation as a result of offsite improvements	Less than significant		
Cumulative Impacts			
Cumulative Impact	Contribution to Cumulative Effects	Additional Mitigation Measures	Contribution after Mitigation
Aesthetics	Considerable contribution	–	Considerable contribution
Air Quality	Considerable contribution	–	Considerable contribution
Biological Resources – Oak woodlands, riparian woodland, Blainville's horned lizard	Considerable contribution	–	Considerable contribution
Greenhouse Gas Emission	Considerable contribution	–	Considerable contribution
Transportation and Circulation Conditions	Considerable contribution	Mitigation Measure CUM-A: Provide alternative park-and-ride facilities	Less than considerable

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