

# **SECTION 3.0**

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## **EXECUTIVE SUMMARY**

## 3.0 EXECUTIVE SUMMARY

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### 3.1 INTRODUCTION

This chapter provides a summary of the Amoruso Ranch Specific Plan (Proposed Project) and environmental impacts that would result from project implementation. This chapter also includes a table summarizing the impacts of the Proposed Project and mitigation measures that have been identified to reduce potentially significant environmental impacts to less than significant levels.

### 3.2 PROJECT LOCATION

The Proposed Project site (project site) consists of approximately 694.4 acres located in unincorporated Placer County (County), immediately north of the City of Roseville's existing City limits (see **Figure 2-1**, Regional Location and Development Map). The project site is directly north of the approved Creekview Specific Plan (CSP) and directly east of the City's Al Johnson Wildlife Area (a.k.a Reason Farms) in the "Pleasant Grove, CA" U.S. Geological Survey (USGS) 7.5 Minute Topographic Quadrangle, Township 11 North (T11N) Range 5 East (R5E), and Sections 11 and 14, Mt. Diablo Baseline and Meridian.

The project site is located approximately 6.5 miles west of Interstate 80 and State Route (SR) 65, approximately 9.8 miles northeast of the City of Sacramento, 8 miles east of State Route 99, 5 miles northwest of downtown Roseville, and 4 miles east of the Sutter County Line.

### 3.3 PROJECT UNDER REVIEW

As shown on **Figure 2-4**, the proposed ARSP land use plan consists of low, medium, and high density residential uses; community commercial uses; public/quasi-public uses; parks and recreation areas; open space; paseos, urban reserve area; and roadways. **Table 2-1** provides a breakdown of the proposed land uses within the project site, including proposed General Plan and zoning designations, acreages, and residential units by category. At buildout, the Proposed Project would provide approximately 2,827 dwelling units, housing a population of approximately 7,379 persons, based on the City's General Plan assumption of 2.61 persons per household. The ARSP could add as much as approximately 476,000 square feet of commercial and retail and office uses.

### 3.4 ISSUES TO BE RESOLVED AND AREAS OF CONTROVERSY

#### Notice of Preparation and Scoping

In accordance with CEQA *Guidelines* Section 15082, the City (Lead Agency) circulated a Notice of Preparation (NOP) for this EIR on October 30, 2013. Presented in **Appendix C**, the NOP established a 30-day review period that ended on December 2, 2013. The NOP was circulated through the State Clearinghouse, to the public, local, state, and federal agencies, and other known interested parties in an effort to disclose that the Proposed Project could have significant effects on the environment and to solicit written comments concerning the Proposed Project. A noticed public scoping meeting was held on

November 18, 2013 to allow a public presentation of the project and provide an opportunity for oral comments to be submitted. The scoping meeting was held at the Roseville Civic Center. These letters are included in **Appendix C**.

### Areas of Controversy

The City of Roseville heard from adjacent residents in unincorporated Placer County, concerns with existing drainage and flooding, and potential increases in drainage impacts from the project, traffic on West Sunset Boulevard, as well as concern over impacts to their existing groundwater wells.

### Scope of the EIR

In accordance with CEQA *Guidelines* Section 15063, an Initial Study (**Appendix B**) was prepared and used in conjunction with comments received during scoping (**Appendix C**) to focus the EIR on effects determined to be potentially significant. The following environmental resources were determined to have the potential to be significantly affected by the Proposed Project, and have therefore been addressed in detail in this Draft EIR:

- Aesthetics;
- Agricultural Resources;
- Air Quality;
- Climate Change/Greenhouse Gas Emissions;
- Biological Resource impacts to habitat and sensitive species;
- Cultural Resources, including archaeological and paleontological resources;
- Energy;
- Geology and Soils;
- Hazards and Hazardous Materials;
- Hydrology and Water Quality;
- Land Use and Planning;
- Noise;
- Population and Housing;
- Public Services;
- Recreation;
- Transportation and Traffic;
- Utilities and Service Systems;
- Growth Inducement; and
- Cumulative Impacts.

## 3.5 SUMMARY TABLE

**Table 3-1** presents a summary of project impacts and proposed mitigation measures that would further avoid or minimize potential impacts. In the table, the level of significance of each environmental impact is indicated both before and after the application of the recommended mitigation measure(s). For detailed discussions of all project impacts and mitigation measures, the reader is referred to environmental analysis sections in **Section 4.0**.

Acronyms used within **Table 3-1** to describe levels of significance are explained below:

- NI – No impact
- LTS – Less than significant
- PS – Potentially significant
- S – Significant
- SU – Significant and unavoidable

**TABLE 3-1**  
SUMMARY OF IMPACTS AND MITIGATION MEASURES

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
<b>4.1 LAND USE AND AGRICULTURE</b>				
4.1-1	Conflict With Land Use Plans, Policies, or Regulations	LTS	None Required	LTS
4.1-2	Potential Incompatibility of Internal Land Uses	PS	MM 4.6-1 Construction Noise Reduction MM 4.6-2 Commercial Noise Controls MM 4.4-1 Measures to Reduce Short-term Construction-related Emissions	LTS
4.1-3	Potential Incompatibility with Existing Agricultural and Other Land Uses in Placer County and the City of Roseville	S	None Available	SU
4.1-4	Potential Incompatibility from Aircraft Overflight	LTS	None Required	LTS
4.1-5	Conversion Of Agricultural Land To Developed Uses	PS	MM 4.8-7 Off-site and On-site Preservation of Grassland Habitat MM 4.1-1 Agricultural Compensation	LTS
4.1-6	Consistency With Habitat Conservation Plans	LTS	None Required	LTS
4.1-7	Cumulative Land Use Compatibility Impacts	LTS	None Required	LTS
4.1-8	Cumulative Impacts From Agricultural Resources Conversion	S	MM 4.8-7 Off-site and On-site Preservation of Grassland Habitat MM 4.1-1 Agricultural Compensation	SU
<b>4.2 POPULATION AND HOUSING</b>				
4.2-1	Conflict with General Plan Policy Regarding the City's Job/Housing Balance	LTS	None Required	LTS
4.2-2	Provision of Affordable Housing	LTS	None Required	LTS
4.2-3	Displacement of Existing Housing or People	LTS	None Required	LTS
4.2-4	Inducement of Substantial Population Growth	S	None Available	SU
4.2-5	Cumulative Impact Regarding Population and Housing	LTS	None Required	LTS
<b>4.3 TRANSPORTATION AND CIRCULATION</b>				
4.3-1	Increased Traffic Volumes on City of Roseville Existing Conditions	S	MM 4.3-1 Roseville Intersections: Pay Fair Share of Improvements in the CIP	LTS
4.3-2	Consistency of Project With City's Policy of 70 Percent of Intersections Operating at LOS C or Better Under Existing Conditions	LTS	None Required	LTS
4.3-3	Impacts to Bicycle and Pedestrian Facilities	LTS	None Required	LTS

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Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.3-4	Impacts to Transit	S	MM 4.3-2 Transit Services: Pay Fair Share toward Transit Improvements	LTS
4.3-5	Increased Traffic Volumes at Intersections within Placer County, Sutter County, Sacramento County, or City of Lincoln Under Existing Conditions	S	MM 4.3-3 Placer County Intersections: Pay Fair Share Costs to Placer County Intersection Improvements MM 4.3-4 Sutter County Facilities: Pay Fair Share Costs to Sutter County Intersection Improvements	SU
4.3-6	Increased Traffic Volumes on Roadways Within Placer County, Sutter County, Sacramento County, or City of Rocklin Under Existing Conditions	S	MM 4.3-3 Placer County Intersections: Pay Fair Share Costs to Placer County Intersection Improvements MM 4.3-5 Placer County Segments: Pay Fair Share Costs to Placer County Facilities MM 4.3-6 Sacramento County Segments: Pay Fair Share Costs to Sacramento County Facilities	SU
4.3-7	Increased Traffic Volumes on Existing State Interchanges Under Existing Conditions	LTS	None Required	LTS
4.3-8	Increased Traffic Volumes on State Highways Under Existing Conditions	S	MM 4.3-7 State Facilities: Payment of Fees for State Roadway Segments	SU
4.3-9	Increased Traffic at City of Roseville Intersections Under 2035 CIP Conditions	S	MM 4.3-1 Roseville Intersections: Pay Fair Share of Improvements in the CIP MM 4.3-8 City of Roseville Facilities: Update the City of Roseville Capital Improvement Plan	SU
4.3-10	Consistency of Project With City's Policy of 70 Percent Of Intersections Operating at LOS C or Better Under 2035 CIP Conditions	LTS	None Required	LTS
4.3-11	Increased Traffic on Placer County, Sutter County, Sacramento County, City of Rocklin, or City of Lincoln Intersections Under 2035 CIP Conditions	S	MM 4.3-3 Placer County Intersections: Pay Fair Share Costs to Placer County Intersection Improvements	SU
4.3-12	Increased Traffic Volumes on Roadways within Placer County, Sutter County, Sacramento County, or City of Rocklin Under 2035 CIP Conditions	S	MM 4.3-5 Placer County Segments: Pay Fair Share Costs to Placer County Facilities	SU
4.3-13	Increased Traffic Volumes on Existing State Interchanges Under 2035 CIP Conditions	LTS	None Required	LTS
4.3-14	Increased Traffic Volumes on State Highways Under 2035 CIP Conditions	LTS	None Required	LTS
4.3-15	Increased Traffic on City of Roseville Intersections Under 2035 Cumulative Conditions	S	None Available	SU

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Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.3-16	Consistency of Project with City's Policy of 70 Percent of Intersections Operating At LOS C or Better Under 2035 Cumulative Conditions	LTS	None Required	LTS
4.3-17	Increased Traffic on Placer County, Sutter County, Sacramento County, or City of Lincoln Intersections Under 2035 Cumulative Conditions	S	MM 4.3-3 Placer County Intersections: Pay Fair Share Costs to Placer County Intersection Improvements	SU
4.3-18	Increased Traffic Volumes on Roadways Within Placer County, Sutter County, Sacramento County, or City Of Rocklin Under 2035 Cumulative Conditions	LTS	None Required	LTS
4.3-19	Increased Traffic Volumes on State Interchanges Under 2035 Cumulative Conditions	LTS	None Required	LTS
4.3-20	Increased Traffic Volumes on State Highways Under 2035 Cumulative Conditions	S	MM 4.3-7 State Facilities: Payment of Fees for State Roadway Segments	SU
<b>4.4 AIR QUALITY</b>				
4.4-1	Generate Short-Term Construction Related Emissions of Criteria Air Pollutants	S	MM 4.4-1 Measures to Reduce Short-term Construction-related Emissions	SU
4.4-2	Generate Long-Term Operational Related (Regional) Emissions of Criteria Air Pollutants	S	MM 4.4-2 Project Measures to Reduce Operational Emissions MM 4.4-3 Off-site Mitigation for Operational Emissions	SU
4.4-3	Generate Carbon Monoxide Emissions at Local Intersections	LTS	None Required	LTS
4.4-4	Exposure to Toxic Air Contaminants	PS	MM 4.4-4 Screen Health Risks	LTS
4.4-5	Exposure of Sensitive Receptors to Odors	S	MM 4.4-1 Measures to Reduce Short-term Construction-related Emissions	SU
4.4-6	Consistency with Plans and Policies	S	MM 4.4-1 Measures to Reduce Short-term Construction-related Emissions MM 4.4-2 Project Measures to Reduce Operational Emissions MM 4.4-3 Off-site Mitigation for Operational Emissions	SU
4.4-7	Result in a Cumulatively Considerable Net Increase in Criteria Pollutants	S	MM 4.4-1 Measures to Reduce Short-term Construction-related Emissions MM 4.4-2 Project Measures to Reduce Operational Emissions MM 4.4-3 Off-site Mitigation for Operational Emissions	SU

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
<b>4.5 CLIMATE CHANGE AND GREENHOUSE HAS EMISSIONS</b>				
4.5-1	Generate a Substantial Contribution To GHG Emissions that Conflicts with an Applicable Plan or Policy	S	MM 4.5-1 Measures to Reduce GHG Emissions	SU
4.5-2	Impacts on the Proposed Project Related to Global Climate Change	LTS	None Required	LTS
<b>4.6 NOISE</b>				
4.6-1	Short-Term Noise Generated by Construction Activity	S	MM 4.6-1 Construction Noise Reduction	SU
4.6-2	Commercial Noise Sources	S	MM 4.6-2 Commercial Noise Controls	LTS
4.6-3	Noise from School Related Activities and Neighborhood Parks	LTS	None Required	LTS
4.6-4	Exposure of Persons to Noise Levels in Excess of General Plan and Noise Ordinance Standards as a Result of the Existing Plus Project Increase in Traffic Noise	LTS	None Required	LTS
4.6-5	Substantial Permanent Increase in Ambient Noise Levels as a Result of the Existing Plus Project Increase in Traffic Noise	S	MM 4.6-3 Traffic Noise Control	SU
4.6-6	Exposure of Persons to Noise Levels in Excess of General Plan and Noise Ordinance Standards as a Result of the 2035 CIP Plus Project Increase in Traffic Noise Outside the Project Site	LTS	None Required	LTS
4.6-7	Substantial Permanent Increase in Ambient Noise Levels as a Result of the 2035 CIP Plus Project Increase in Traffic Noise Outside the Project Site	S	MM 4.6-3 Traffic Noise Control	SU
4.6-8	Exposure of Persons to Noise Levels in Excess of General Plan and Noise Ordinance Standards as a Result of the 2035 Cumulative Plus Project Increase in Traffic Noise Outside the Project Site	LTS	None Required	LTS
4.6-9	Substantial Permanent Increase in Ambient Noise Levels as a Result of the 2035 Cumulative Plus Project Increase in Traffic Noise Outside the Project Site	S	MM 4.6-3 Traffic Noise Control	SU

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Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.6-10	Traffic Noise Impacts at Future Noise-Sensitive Land Use Developed within the Project Site	S	MM 4.6-4 Traffic Noise Attenuation within the Project Site	LTS
4.6-11	Aircraft Operations and Overflight Noise	LTS	None Required	LTS
<b>4.7 GEOLOGY, SOILS, AND SEISMICITY</b>				
4.7-1	Soil Erosion from Grading Activities	LTS	None Required	LTS
4.7-2	Development of Structures on Expansive Soils or on Soils with Other Limitations	LTS	None Required	LTS
4.7-3	Loss of Topsoil Due to Conversion of Agricultural Land to Urban Uses	LTS	None Required	LTS
4.7-4	Exposure of People and Structures to Seismic Hazards	LTS	None Required	LTS
4.7-5	Cumulative Geology and Soils Impacts	LTS	None Required	LTS
<b>4.8 VEGETATION AND WILDLIFE</b>				
4.8-1	Loss of Federally Protected Wetlands and "Other Waters" of the United States	S	MM 4.8-1 (a) Ensure No Net Loss of Wetlands MM 4.8-1 (b) Wetland Avoidance/Mitigation Plan	LTS
4.8-2	Loss of Federally Listed Vernal Pool Crustaceans and their Habitat	S	MM 4.8-1 (a) Ensure No Net Loss of Wetlands MM 4.8-1 (b) Wetland Avoidance/Mitigation Plan MM 4.8-2 Vernal Pool Fairy Shrimp Measures	LTS
4.8-3	Loss of Rare Plant Populations	S	MM 4.8-3 Special Status Plant Measures	LTS
4.8-4	Loss or Degradation of Habitat for Western Spadefoot	S	MM 4.8-4 Relocate Western Spadefoot	LTS
4.8-5	Loss or Degradation of Habitat for Western Pond Turtle	S	MM 4.8-5 Relocate Northwestern Pond Turtle	LTS
4.8-6	Disruption of Swainson's Hawk, Burrowing Owl, and Other Legally Protected Raptors' Nesting and Foraging Habitat	S	MM 4.8-6 Avoid Nesting Sites for Protected Bird Species MM 4.8-7 Off-site and On-site Preservation of Grassland Habitat	LTS
4.8-7	Loss of Grassland Habitat	S	MM 4.8-7 Off-site and On-site Preservation of Grassland Habitat	LTS
4.8-8	Substantial Interference with the Movement of Resident and Migratory Wildlife Species	S	MM 4.8-8 Wildlife Movement Protection Policies MM 4.14-3 Avoid Light Spill Over into University Creek and Open Space Areas	LTS
4.8-9	Loss of Oak Trees Greater than 6 Inches in Diameter	LTS	None Required	LTS
4.8-10	Loss of Riparian Habitat	S	MM 4.8-8 Wildlife Movement Protection Policies MM 4.14-3 Avoid Light Spill Over into University Creek and Open Space Areas	LTS
4.8-11	Potential Impacts to Bats	S	MM 4.8-9 Pre-Construction Surveys for Special Status Bats	LTS

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Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.8-12	Potential Impacts to American Badger	S	MM 4.8-7 Off-Site and On-Site Preservation of Grassland Habitat MM 4.8-10 Pre-construction Surveys for American Badger	LTS
4.8-13	Impacts to Fish Habitat	LTS	None Required	LTS
4.8-14	Impacts to Beavers	NI	None Required	NI
4.8-15	Loss of Biological Resources Due to Construction of Off-Site Infrastructure	S	MM 4.8-1 (a) Ensure No Net Loss of Wetlands MM 4.8-1 (b) Wetland Avoidance/ Mitigation Plan MM 4.8-2 Vernal Pool Fairy Shrimp Measures MM 4.8-3 Special Status Plant Measures MM 4.8-4 Relocate Western Spadefoot MM 4.8-5 Relocate Northwestern Pond Turtle MM 4.8-6 Avoid Nesting Sites for Protected Bird Species MM 4.8-7 Off-Site and On-Site Preservation of Grassland Habitat MM 4.8-8 Wildlife Movement Protection Policies MM 4.8-9 Pre-Construction Surveys for Special Status Bats MM 4.8-10 Pre-Construction Surveys for American Badger MM 4.8-11 Additional Surveys for Off-Site Improvement Areas	LTS
4.8-16	Loss of Biological Resources Due to Development of Urban Reserve Parcel	S	MM 4.8-1 (a) Ensure No Net Loss of Wetlands MM 4.8-1 (b) Wetland Avoidance/ Mitigation Plan MM 4.8-2 Vernal Pool Fairy Shrimp Measures MM 4.8-3 Special Status Plant Measures MM 4.8-4 Relocate Western Spadefoot MM 4.8-5 Relocate Northwestern Pond Turtle MM 4.8-6 Avoid Nesting Sites for Protected Bird Species MM 4.8-7 Off-Site and On-Site Preservation of Grassland Habitat MM 4.8-8 Wildlife Movement Protection Policies MM 4.8-9 Pre-Construction Surveys for Special Status Bats MM 4.8-10 Pre-Construction Surveys for American Badger MM 4.8-12 Conduct Biological Surveys of the Urban Reserve Parcel	LTS
4.8-17	Conflict with the Provisions of an Adopted Habitat Conservation Plan, Natural Conservation Community Plan, or Other Approved Conservation Plan	LTS	None Required	LTS

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.8-18	Cumulative Impacts to Biological Resources	S	MM 4.8-1 (a) Ensure No Net Loss of Wetlands; MM 4.8-1 (b) Wetland Avoidance/Mitigation Plan MM 4.8-2 Vernal Pool Fairy Shrimp Measures MM 4.8-3 Special Status Plant Measures MM 4.8-4 Relocate Western Spadefoot MM 4.8-5 Relocate Northwestern Pond Turtle MM 4.8-6 Avoid Nesting Sites for Protected Bird Species MM 4.8-7 Off-Site and On-Site Preservation of Grassland Habitat MM 4.8-8 Wildlife Movement Protection Policies MM 4.8-9 Pre-Construction Surveys for Special Status Bats MM 4.8-10 Pre-Construction Surveys for American Badger MM 4.8-11 Additional Surveys for Off-Site Improvement Areas MM 4.8-12 Conduct Biological Surveys of the Urban Reserve Parcel	SU
<b>4.9 CULTURAL AND PALEONTOLOGICAL RESOURCES</b>				
4.9-1	Cause an Adverse Change to Historical or Archaeological Resources	LTS – ARSP Development Area PS – Urban Reserve Parcel	MM 4.9-1 Conduct Archaeological Survey of Urban Reserve Parcel	LTS
4.9-2	Disturb, Damage, or Destroy Unidentified Subsurface Archaeological or Historical Resources or Human Remains during Project Construction	PS	MM 4.9-2 Cease Work and Consult with Qualified Archaeologist	LTS
4.9-3	Disturb, Damage or Destroy As-Yet Unknown Unique Paleontological Resources during Project Construction	PS	MM 4.9-3 Monitor for Paleontological Resources, Cease Work and Consult with Qualified Paleontologist	LTS
4.9-4	Damage or Destroy Historical, Archaeological, Prehistoric, or Unique Paleontological Resources during Construction of Off-Site Infrastructure	PS	MM 4.9-4 Conduct Appropriate Off-Site Studies	LTS
4.9-5	Cumulative Impacts to Cultural and Paleontological Resources	PS	MM 4.9-1 Conduct Archeological Survey within Urban Reserve Parcel MM 4.9-2 Cease Work and Consult with Qualified Archaeologist MM 4.9-3 Monitor for Paleontological Resources, Cease Work and Consult with Qualified Paleontologist MM 4.9-4 Conduct Appropriate Off-Site Studies	LTS

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
<b>4.10 HAZARDOUS MATERIALS AND PUBLIC SAFETY</b>				
4.10-1	Create a Significant Hazard to the Public or the Environment through the Routine Transport, Use, or Disposal of Hazardous Materials or through Reasonably Foreseeable Upset or Accident Conditions Involving the Release of Hazardous Materials into the Environment	S	MM 4.10-1 Identify and Remediate Soil Contamination and Existing Hazardous Materials within the ARSP MM 4.10-2 Identify and Remediate Soil Contamination and Existing Hazardous Materials within the Urban Reserve Parcel	LTS
4.10-2	Presence of Hazardous Emissions or Hazardous or Acutely Hazardous Materials, Substances, or Waste within One-Quarter Mile of an Existing or Proposed School	LTS	None Required	LTS
4.10-3	Impair Implementation of or Physically Interfere with an Adopted Emergency Response Plan or Emergency Evacuation Plan	LTS	None Required	LTS
4.10-4	Potential for Cumulative Effects Associated with Hazards and Hazardous Materials	S	MM 4.10-1 Identify and Remediate Soil Contamination and Existing Hazardous Materials within the ARSP MM 4.10-2 Identify and Remediate Soil Contamination and Existing Hazardous Materials within the Urban Reserve Parcel	LTS
<b>4.11 PUBLIC SERVICES</b>				
4.11-1	Increase Demand for Police Protection Services	LTS	None Required	LTS
4.11-2	Cumulative Increase in Demand for Police Protection Services	LTS	None Required	LTS
4.11-3	Increased Demand for Fire Protection Services and Exposure of People or Structures to a Significant Risk of Loss, Injury, or Death Involving Wildland Fires	LTS	None Required	LTS
4.11-4	Cumulative Increase in Demand for Fire Protection Services and Emergency Access	LTS	None Required	LTS
4.11-5	Increased Demand for School Services	LTS	None Required	LTS
4.11-6	Cumulative Increase in Demand for School Services	LTS	None Required	LTS
4.11-7	Increased Demand on Library Services	LTS	None Required	LTS
4.11-8	Cumulative Increase in Demand on Library Services	LTS	None Required	LTS
4.11-9	Increased Demand for Park or Recreational Facilities	LTS	None Required	LTS

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
4.11-10	Cumulative Increase in Demand for Park Facilities	LTS	None Required	LTS
<b>4.12.1 PUBLIC UTILITIES – WATER</b>				
4.12.1-1	Availability of Water Supplies to Meet Demand	PS	MM 4.12.1-1 Secure Adequate Water Supply	LTS
4.12.1-2	Availability of PCWA Water Supplies to Meet Demand	LTS	None Required	LTS
4.12.1-3	Impact on American River and Delta Associated with the Diversion of the Amount of Surface Water Needed for Project	LTS	None Required	LTS
4.12.1-4	Capacity of Water Treatment System to Meet Potable Water Demand	Near Term – LTS Cumulative – S	Near Term – None Required Cumulative – None Available	Near Term – LTS Cumulative – SU
4.12.1-5	Construction or Expansion of Water Conveyance Facilities	LTS	None Required	LTS
4.12.1-6	Construction or Expansion of Water Storage Facilities	LTS	None Required	LTS
4.12.1-7	Groundwater Depletion or Interference with Groundwater Recharge Could Result in Lowering of Groundwater Table	LTS	None Required	LTS
4.12.1-8	Cumulative Water Supply and Water Treatment Impacts	S	None Available	SU
<b>4.12.2 PUBLIC UTILITIES – RECYCLED WATER</b>				
4.12.2-1	Availability of Recycled Water to Meet Demand and Installation of Recycled Water Infrastructure	LTS	None Required	LTS
4.12.2-2	Cumulative Recycled Water Impacts	LTS	None Required	LTS
<b>4.12.3 PUBLIC UTILITIES – WASTEWATER</b>				
4.12.3-1	Construction or Expansion of Wastewater Collection Facilities	LTS	None Required	LTS
4.12.3-2	Capacity of Wastewater Treatment Facility	PS	MM 4.12.3-1 Treatment Plant Capacity	LTS
4.12.3-3	Construction or Expansion of Wastewater Treatment Facilities	S	MM 4.12.3-2 Treatment Plant Expansion	SU
4.12.3-4	Exceed Wastewater Treatment Requirements of the RWQCB	PS	MM 4.12.3-1 Treatment Plant Capacity MM 4.12.3-2 Treatment Plant Expansion	LTS
4.12.3-5	Cumulative Wastewater Impacts	S	MM 4.12.3-1 Treatment Plant Capacity MM 4.12.3-2 Treatment Plant Expansion	SU

Impact Number	Impact	Significance Before Mitigation	Mitigation Measure	Residual Significance
<b>4.12.4 PUBLIC UTILITIES – SOLID WASTE</b>				
4.12.4-1	Increase Demand for Solid Waste Services at the Materials Recovery Facility	LTS	None Required	LTS
4.12.4-2	Increased Demand for Solid Waste Services at the Landfill	LTS	None Required	LTS
4.12.4-3	Construction Debris Creating Increased Demand for Solid Waste Services	LTS	MM 4.12.4-1 Divert Construction Debris	LTS
4.12.4-4	Fail to Comply with Federal, State, and Local Statutes and Regulations Related to Solid Waste	LTS	None Required	LTS
4.12.4-5	Cumulative Solid Waste Impacts	S	None Available	SU
<b>4.12.5 PUBLIC UTILITIES – ELECTRICITY, NATURAL GAS, AND TELECOMMUNICATION SERVICES</b>				
4.12.5-1	Increased Demand for Electricity	LTS	None Required	LTS
4.12.5-2	Increase Demand for Natural Gas	LTS	None Required	LTS
4.12.5-3	Increased Demand on Cable Television and Telephone Services	LTS	None Required	LTS
4.12.5-4	Cumulative Impacts Regarding Electricity Service	LTS	None Required	LTS
4.12.5-5	Cumulative Impacts Regarding Natural Gas and Telecommunication Services	LTS	None Required	LTS
<b>4.13 HYDROLOGY AND WATER QUALITY</b>				
4.13-1	Erosion and Runoff from Construction Sites Containing Soil or Other Materials Could Degrade Water Quality if Discharged to Local Streams	S	MM 4.13-1 Implementation of Construction Activity Stormwater Standards	LTS
4.13-2	Changes in Surface Water Quality Resulting from Urban Stormwater Runoff and Other Operational Activities	S	MM 4.13-2 Stormwater Management Development Standards	LTS
4.13-3	Groundwater Depletion or Interference with Groundwater Recharge Could Result in Lowering of Groundwater Table	LTS	None Required	LTS
4.13-4	Altered Drainage Patterns and Increase in the Rate of Stormwater Runoff through the Development of New Impervious Surfaces that Would Result in Flooding or Siltation On- or Off-Site	PS	MM 4.13-5 Erosion Monitoring Plan	LTS

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4.13-5	Increase in the Amount of Surface Runoff Volume, Which Would Exceed the Capacity of Existing Storm Drainage Systems and Increase the Potential for Downstream Flooding	S	MM 4.13-3 Fair Share Payment to Regional Stormwater Retention	LTS
4.13-6	Construction of Off-Site Stormwater Retention Facilities	S	MM 4.13-4 North Retention Basin Construction	SU
4.13-7	Placement of Fill or Structures in the 100-Year Floodplain Could Affect Water Surface Elevations, Which Could Increase the Risk of Flooding On-Site	LTS	None Required	LTS
4.13-8	Cumulative Hydrology and Water Quality Impacts	S	MM 4.13-1 Implementation of Construction Activity Stormwater Standards MM 4.13-2 Stormwater Management Development Standards MM 4.13-3: Fair Share Payment to Regional Stormwater Retention	LTS
<b>4.14 AESTHETICS</b>				
4.14-1	Alteration of the Visual Character of the Site and Vicinity	S	None Available	SU
4.14-2	New Sources of Light and Glare	S	MM 4.14-1 Sight Lighting to Minimize Nuisance MM 4.14-2 Low Glare Materials for New Development MM 4.14-3 Avoid Light Spill Over into University Creek and Open Space Areas	SU
4.14-3	Degradation of Scenic Resources and Scenic Vistas	S	Compliance with the City's General Plan, Community Design Guidelines, and the ARSP Design Guidelines	SU
4.14-4	Cumulative Aesthetic Impacts	S	MM 4.14-1 Site Lighting to Minimize Nuisance MM 4.14-2 Low Glare Materials for New Development MM 4.14-3 Avoid Light Spill Over into University Creek and Open Space Areas	SU
<b>4.15 ENERGY</b>				
4.15-1	Increased Consumption of Energy	S	MM 4.15-1: Implement Measures to Reduce Energy Consumption	LTS
4.15-2	Substantial Increased Demand on Energy Resources in Relation to Projected Supplies or Capacity	LTS	None Required	LTS