

**SAN BERNARDINO COUNTY
INITIAL STUDY ENVIRONMENTAL CHECKLIST FORM**

This form and the descriptive information in the application package constitute the contents of Initial Study pursuant to County Guidelines under Ordinance 3040 and Section 15063 of the State CEQA Guidelines.

PROJECT LABEL:

APN:	3046-101-38 & 40
APPLICANT:	DAVID FRAGOSO
COMMUNITY:	HESPERIA/1ST SUPERVISORIAL DISTRICT
LOCATION:	NORTHEAST CORNER OF CEDAR AND JAGATAI STREETS
PROJECT NO:	P201200101; TPM 19366
STAFF:	OXSO SHAHRIARI, PLANNER
REP('S):	CUBIT ENGINEERING
PROPOSAL:	TENTATIVE PARCEL MAP TO CREATE FOUR PARCELS AND A REMAINDER ON 5 ACRES

USGS Quad:	HESPERIA	
T, R, Section:	T4N R5W	Sec.25 NE1/4
Thomas Bros.:	4565-G3	
Planning Area:	OAK HILLS	
OLUD:	OH/RS	
Overlays:	FS2	

PROJECT CONTACT INFORMATION:

Lead agency: County of San Bernardino
Land Use Services Department – Planning Division
385 North Arrowhead Avenue; First Floor
San Bernardino, CA 92415-0182

Contact person: Oxso Shahriari, Project Planner
Phone No: (760) 995-8140 & 8156 **Fax No:** (760) 995-8170
E-mail: oshahriari@lusd.sbcounty.gov

Project Sponsor: Cubit Engineering
16490 Walnut Street, B3
Hesperia, CA 92345

PROJECT DESCRIPTION:

The proposed project is Tentative Parcel Map 19366 to create four parcels and a remainder on 5 acres. The project site lies within the unincorporated portion of the County of San Bernardino in the Desert Region Planning Area. The project site is located at the northeast of corner of Cedar and Jagatai streets in the community of Oak Hills; located in the 1ST Supervisorial District. The County's General Plan designates the site as Single Residential (RS) —minimum lot size requirement of 7200 square feet. This site is regulated by FS-2 Fire Safety Overlay.

ENVIRONMENTAL/EXISTING SITE CONDITIONS:

The project site is surrounded by large, similarly-zoned, vacant parcels to the north, south, and west. To the east, there are two single family residences. A General Biological Resources Assessment has been prepared by the RCA Associates, dated May 16, 2012. According to this study, the site is undisturbed and supports a woodland community dominated by California Junipers and Joshua Trees, Rabbit Brush and Ephedra. The study however finds no Desert Tortoise, Burrowing owls, or Mohave Ground squirrels on the site and recommends no mitigation measures. The site has low potential for Paleontological and Archeological Resources. The conditions of approval will ensure any potential adverse impact will be less than significant. No additional improvements are proposed at this time.

AREA	EXISTING LAND USE	ZONING DISTRICT
Site	Vacant	Single Residential (RS)
North	Vacant	RS
South	Vacant	RS
East	Single Family Residence	RS
West	Vacant	RS

Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.):

Federal: Fish & Wildlife; State of California: Regional Water Quality Control Board, Fish and Wildlife; County of San Bernardino: County Surveyor; Public Health – Environmental Health Services; Public Works – Roads/Drainage; County Fire/ Fire Protection Agency; Land Use Services – Building and Safety; Auditor/Treasurer/Tax Collector; Special District; Traffic; Local: CSA 70.

EVALUATION FORMAT:

This initial study is prepared in compliance with the California Environmental Quality Act (CEQA) Guidelines. This format of the study is presented as follows. The project is evaluated based upon its effect on seventeen (17) major categories of environmental factors. Each factor is reviewed by responding to a series of questions regarding the impact of the project on each element of the overall factor. The Initial Study Checklist provides a formatted analysis that provides a determination of the effect of the project on the factor and its elements. The effect of the project is categorized into one of the following four categories of possible determinations:

Potentially Significant Impact	Less than Significant with Mitigation	Less than Significant	No Impact
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Substantiation is then provided to justify each determination. One of the four following conclusions is then provided as a summary of the analysis for each of the major environmental factors.

1. Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.
2. Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.
3. Possible significant adverse impacts have been identified or anticipated and the following mitigation measures are required as a condition of project approval to reduce these impacts to a level below significant. The required mitigation measures are: (List mitigation measures).
4. Significant adverse impacts have been identified or anticipated. An Environmental Impact Report (EIR) is required to evaluate these impacts, which are (Listing the impacts requiring analysis within the EIR).

At the end of the analysis the required mitigation measures are restated and categorized as being either self-monitoring or as requiring a Mitigation Monitoring and Reporting Program.

ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- | | | |
|--|---|---|
| <input type="checkbox"/> Aesthetics | <input type="checkbox"/> Agriculture Resources | <input type="checkbox"/> Air Quality |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Cultural Resources | <input type="checkbox"/> Geology /Soils |
| <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Hydrology / Water Quality | <input type="checkbox"/> Land Use/ Planning |
| <input type="checkbox"/> Mineral Resources | <input type="checkbox"/> Noise | <input type="checkbox"/> Population / Housing |
| <input type="checkbox"/> Public Services | <input type="checkbox"/> Recreation | <input type="checkbox"/> Transportation/Traffic |
| <input type="checkbox"/> Utilities / Service Systems | <input type="checkbox"/> Mandatory Findings of Significance | |

DETERMINATION: (To be completed by the Lead Agency)

On the basis of this initial evaluation, the following finding is made:

- The proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.
- Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.
- The proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.
- The proposed project MAY have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed.
- Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or NEGATIVE DECLARATION pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or NEGATIVE DECLARATION, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Signature (prepared by): Oxso Shahriari, Planner

Date: 10-12-2012

Signature: Heidi Duron; Supervising Planner

Date: 10-12-2012

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
I. AESTHETICS - Would the project				
a) Have a substantial adverse effect on a scenic vista?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially damage scenic resources, including but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Create a new source of substantial light or glare, which would adversely affect day or nighttime views in the area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Check if project is located within the view-shed of any Scenic Route listed in the General Plan):

- I a) The proposed project is not located within a designated Scenic Corridor and will not have a substantial adverse effect on a scenic vista because no such resource has been identified within the vicinity of the project site.
- I b) The proposed project will not substantially damage scenic resources including, but not limited to trees, rock outcroppings, and historic buildings within a state scenic highway. The site is not adjacent to a state scenic highway and there are no rock outcroppings or historic buildings on the project site.
- I c) The existing native desert vegetation includes scattered locally protected Joshua Trees. The proposed project will not substantially degrade the existing visual character or quality of the site and its surroundings. All the newly created parcels will meet the minimum parcel size of 7200 square feet, as required by the Single Residential (RS) Land Use Zoning District Development Standards. In fact, the nearly 1 acre lot size will allow ample buildable area without significantly impacting the Joshua Trees. All building permits require a pre-construction inspection to verify the location of Joshua Trees. Any removal must comply with the County’s ordinance regarding tree protection (County Development Code Section 88.01.060). Therefore, any potential impact in this area will be less than significant.
- I d) The proposed project will not create a new source of substantial light or glare that would adversely affect day or nighttime views in the area because at this time this project is only proposing the subdivision of 5 acres into four parcels and a remainder. No additional development is proposed at this time; therefore, there will be no impact in this area.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
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II. AGRICULTURE AND FORESTRY RESOURCES - In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. Will the project:

- | | | | | |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| a) 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| b) Conflict with existing zoning for agricultural use, or a Williamson Act contract? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| c) 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 Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| d) Result in the loss of forest land or conversion of forest land to non-forest use? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| e) Involve other changes in the existing environment, which, 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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

SUBSTANTIATION (Check if project is located in the Important Farmlands Overlay):

- II a) The subject property is not identified or designated as Prime Farmland, Unique Farmland, or Farmland of Statewide Importance on the maps prepared, pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency. There are currently no agricultural uses on the site.
- II b) The proposed use does not conflict with any agricultural land use or Williamson Act land conservation contract because no agricultural use are know to exist on the project site.
- II c) The proposed Project will not 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 Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g)). The proposed Project area is currently vacant land and has never been designated as forest land or timberland.

- II d) The proposed Project will not result in the loss of forest land or conversion of forest land to non-forest use because project site has never been designated as forest land or timberland.

- II e) The proposed Project will not involve other changes in the existing environment, which due to their location or nature, could result in conversion of Farmland, to non-agricultural use because the proposed project is consistent with the uses and activities envisioned for the site's designated zoning district.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
III. AIR QUALITY - Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the project:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions, which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Expose sensitive receptors to substantial pollutant concentrations?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Create objectionable odors affecting a substantial number of people?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Discuss conformity with the Mojave Desert Air Quality Management Plan, if applicable):

- III a) The project will not conflict with or obstruct implementation of the Mojave Desert Air Quality Plan, because the proposed uses do not exceed the thresholds established for air quality concerns within the CEQA Air Quality Handbook developed by the South Coast Air Quality Management District and used as a guide by the Mojave Desert Air Quality Management District. The traffic increase will not be significant based on the handbook criteria and will not contribute in any substantial way to the degradation of local region air quality.
- III b) The project will not violate any air quality standard or contribute substantially to an existing or projected air quality violation, because the proposed use(s) will not exceed established thresholds of concern as established by the Mojave Desert Air Quality Management District.
- III c) The project will not result in a cumulatively considerable net increase of any criteria pollutant for which the project region is in non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors), because the proposed residential use will not exceed established thresholds of concern.
- III d) The project will not expose the existing or future sensitive receptors to substantial pollutant concentrations, because there are no known or potential sources of concentrations of substantial pollutants within vicinity of the project site.
- III e) The project will not create odors affecting a substantial number of people because there are no identified potential uses that will result in the production of objectionable odors.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
IV. BIOLOGICAL RESOURCES - Would the project:				
a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, and regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc...) through direct removal, filling, hydrological interruption, or other means?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional or state habitat conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION (Check if project is located in the Biological Resources Overlay or contains habitat for any species listed in the California Natural Diversity Database):

IV a) This lot division project will not have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Wildlife or U.S. Fish and Wildlife Service because no impact to the biological resources has been identified. A General Biological Assessment has been prepared by the RCA Associates and found that “no sensitive wildlife species were observed” on the project site, and that “no definitive wildlife movement corridors were noted on the property or in adjacent areas. The impacts to the general biological resources are not expected to be significant”. Seventeen Joshua trees are identified by RCA Associates who states these trees “need to be transplanted”. A Composite Development Plan Note (CDP Note) however will be added to require the current and future developers to contact and coordinate with the CDFW to discuss specific transplanting requirements of Joshua trees prior to the start of any future site clearing activities. Relocation of these Joshua trees may require CDFW permits. CDFW and USFWS are the only agencies which can grant authorization of the “take” of any sensitive species. The CDP note will require that any transplanting of the identified Joshua trees to be performed by licensed arborists. The study does not recommend additional survey, nor requires mitigation measures.

- IV b) This project will not have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Department of Fish and Wildlife or US Fish and Wildlife Service because the previously referenced biological assessment has determined that “no riparian vegetation (e.g. Cotton woods, willows, etc.) was observed on the site. However, under section 1600 *et. Seq* of the Fish and Wildlife Code, the CDFW requires the project applicant to notify the Department of any activity that will divert, obstruct or change the natural flow of the bed, channel or bank (which includes associated riparian habitat) or a river, stream or lake, or use material from a streambed prior to the applicant’s commencement of activities. The project will be conditioned not to alter any riparian habitat. The developer shall contact CDFW for additional consultation if the developer deems project activities capable of altering or adversely impacting any riparian habitat. Additional avoidance, minimization and or mitigation measures may be imposed by CDFW upon further review.
- IV c) This project will not have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means because this parcel is not within an identified protected wetland.. A CDP Note will require current and future developers to consult with California Department of Fish & Game regarding a Streambed Alteration Agreement if alteration of a streambed occurs.
- IV d) This project will not interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites because this project shall be conditioned not to occupy any drainage courses traversing the site. A CDP Note will require current and future developers to consult with California Department of Fish and Wildlife regarding a Streambed Alteration Agreement if alteration of a streambed occurs.
- IV e) The existing native desert vegetation includes the 17 protected Joshua Trees, identified on site. All of the newly created parcels will meet the minimum lot size of 7200 square feet, per Single Residential (RS) Land Use District Development Standards. However all newly created parcels will be near 1 acre in area which will allow ample buildable area without significantly affecting the Joshua Trees, when properly transplanted or otherwise protected. A CDP note however shall require the current and future developers to contact and coordinate with the CDFW to discuss specific transplanting requirements prior to the start of any future site clearing activities. Relocation of the individual Joshua trees may be required by CDFW permits. CDFW and USFWS are the only agencies which can grant authorization of the “take” of any sensitive species. This project will not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. All future building permits require a pre-construction inspection to verify the location of Joshua Trees and that any removal must comply with the County’s ordinance regarding tree protection (County Development Code Section 88.01.060), so no impact in this area of concern is anticipated.
- IV f) This project will not conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan, because no such plan has been adopted in the area of the project site.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
V. CULTURAL RESOURCES - Would the project				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Disturb any human remains, including those interred outside of formal cemeteries?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Check if the project is located in the Cultural or Paleontological Resources overlays or cite results of cultural resource review):

- V a) This project will not cause a substantial adverse change in the significance of an historical resource because the project site is not located on or near any known historical resource, as defined in §15064.5.
- V b) This project will not cause a substantial adverse change in the significance of an archaeological resource because no resources have been identified on the site. The San Bernardino County Museum was notified of this project and had no comment regarding archaeological resources on the site, as defined by §15064.5. To reduce the potential for impacts, a CDP note will require developers to halt all work if archaeological, paleontological and/or historical resources are uncovered during land disturbance, grading and or construction activities. A qualified expert (e.g. archaeologist or paleontologist), as determined by County Planning in consultation with the County Museum shall be hired to record any find and recommend any further mitigation.
- V c) Directly or indirectly, this project will not destroy a unique paleontological resource or site or unique geologic feature because Land Use Services notified the San Bernardino County Museum of this project and they had no comment regarding paleontological resources on the site. To reduce the potential for impacts, a CDP note will require developers to halt all work if archaeological, paleontological and/or historical resources are uncovered during land disturbance, grading and or construction activities. A qualified expert (e.g. archaeologist or paleontologist), as determined by County Planning in consultation with the County Museum shall be hired to record any find and recommend any further mitigation.
- V d) This project will not disturb any human remains, including those interred outside of formal cemeteries because no such burial grounds are identified in the project area. If any human remains are discovered during construction of future residences, the developer is required to contact the County Coroner, County Museum for determination of appropriate measures, and a Native American representative, if the remains are determined to be of Native American origin. The CDP note will state: "If archaeological, paleontological and/or historical resources are uncovered during ground disturbing activities, all work in that area shall cease immediately until written clearance by County Planning is provided indicating that satisfactory mitigation has been implemented. A qualified expert (e.g. archaeologist or paleontologist), as determined by County Planning in and the County Museum shall be hired to record the find and recommend any further mitigation. The developer shall implement such mitigations to the satisfaction of County Planning. If possible human remains are encountered during any earthmoving activities, all work shall stop and the San Bernardino County Coroner must be notified. State law requires the Native American Heritage Commission (NAHC) to be notified in the event the remains are determined to be human and of Native American decent, in accordance with California Public Resources Code Section 5097.98."

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
VI. GEOLOGY AND SOILS - Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:				
i. 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	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
ii. Strong seismic ground shaking?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
iii. Seismic-related ground failure, including liquefaction?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
iv. Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) 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 on or off site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on expansive soil, as defined in Table 18-1-B of the California Building Code (2001) creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Have soils incapable of adequately supporting the use of septic tanks or alternative wastewater disposal systems where sewers are not available for the disposal of wastewater?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Check if project is located in the Geologic Hazards Overlay District):

- VI a) (i-iv) The project will not expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving; i) rupture of a known earthquake fault, ii) strong seismic ground shaking, iii) seismic-related ground failure, including liquefaction or iv) landslides, because there are no such geologic hazards identified in the immediate vicinity of the project site.
- VI b) The project will not result in substantial soil erosion or the loss of topsoil because the applicant proposes no additional development at this time. At the time development occurs on-site, Building and Safety will require erosion control measures to be in place.
- VI c) The USGS does not identify the project site as being located on a geologic unit or soil that has been identified as being unstable or having the potential to result in on- or off- site landslide, lateral spreading, subsidence, liquefaction, or collapse.
- VI d) The project site is not located on expansive soil, as defined in Table 18-1-B of the California Building Code (2001) creating substantial risks to life or property.
- VI e) The County Environmental Health Services Department will require a percolation test prior to septic system installation. Therefore, there will be no significant impact.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
VII GREENHOUSE GAS EMISSIONS – Will the project:				
a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable plan, policy, or regulation of an agency adopted for the purpose of reducing the emissions of greenhouse gases?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION:

VII a) The project will not generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment. In September 2006 Governor Schwarzenegger signed the Global Warming Solutions Act (Assembly Bill 32), which was created to address the Global Warming situation in California. The Act requires that the greenhouse gas (GHG) emissions in California be reduced to 1990 levels by 2020. This is part of a larger plan in which California hopes to reduce its emissions to 80 percent below 1990 levels by 2050. This reduction shall be accomplished through an enforceable statewide cap on GHG emissions that shall be phased in starting in 2012 and regulated by the California Air Resources Board (CARB). With this Act in place, CARB is in charge of setting specific standards for different source emissions, as well as monitoring whether they are being met.

In December 2008, SCAQMD adopted interim CEQA GHG significance thresholds of 10,000 metric tons of CO₂e (MTCO₂e) per year for stationary/industrial projects that include a tiered approach for assessing the significance of GHG emissions from a project (SCAQMD 2008). For the purposes of determining whether or not GHG emissions from a project are significant, SCAQMD recommends summing emissions from amortized construction emissions over the life of the proposed project, generally defined as 30 years, and operational emissions, and comparing the result with the established interim GHG significance threshold. While the individual project emissions will be less than 3,000 MTCO₂e/yr, it is recognized that small increases in GHG emissions associated with construction and operation of the proposed Project will contribute to regional increases in GHG emissions.

On January 5, 2012, the County of San Bernardino Greenhouse Gas Emissions Reduction Plan (GHG Plan) became effective. The GHG Plan has a Development Review Processes section used to determine if a project requires mitigation measures to meet the overall goals of the plan. With the application of the GHG performance standards, projects that do not exceed 3,000 Metric Tons of Carbon Dioxide (MTCO₂e) PER YEAR are consistent with the GHG Plan and determined to have a less than significant individual and cumulative impact for GHG emissions. As discussed in Section III of this document, the proposed project does not contribute to air emissions. Future single family residential construction will result in greenhouse gas (GHG) emissions from construction equipment and construction workers personal vehicles traveling to and from the site. Construction-related GHG emissions vary depending on the level of activity, length of the construction period, specific construction operations, types of equipment, and number of personnel. The primary emissions that will result from future construction occur as carbon dioxide (CO₂) from gasoline and diesel combustion, with more limited vehicle tailpipe emissions of nitrous oxide (N₂O) and methane (CH₄), as well as other GHG emissions related to vehicle cooling systems. Although construction emissions are a one-time event, GHG emissions such as CO₂ can persist in the atmosphere for decades.

- VII b) The proposed Project with appropriate conditions of approval will not significantly conflict with any applicable plan, policy or regulation of an agency adopted to reduce the emissions of greenhouse gases. On January 5, 2012, the County of San Bernardino Greenhouse Gas Emissions Reduction Plan (GHG Plan) became effective. The GHG Plan has a Development Review Processes section used to determine if a project requires mitigation measures to meet the overall goals of the plan. With the application of the GHG performance standards, projects that do not exceed 3,000 Metric Tons of Carbon Dioxide (MTCO₂e) per year are consistent with the GHG Plan and determined to have a less than significant individual and cumulative impact for GHG emissions. The Project is not expected to exceed the 3,000 MTCO₂e annual threshold established by the GHG Plan.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
VIII. HAZARDS AND HAZARDOUS MATERIALS - Would the project:				
a) Create a significant hazard to the public or the Environment through the routine transport, use, or disposal of hazardous materials?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Be located on a site, which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Expose people or structures to a significant risk of loss, injury, or death involving wild land fires, including where wild lands are adjacent to urbanized areas or where residences are intermixed with wild lands?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION

- VIII a) The project will not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials; the County anticipates that no residential use approved on the site will be involved in such activities. If future homeowners propose such uses on-site in the future, they will be subject to permit and inspection by the Hazardous Materials Division of the County Fire Department and in some instances additional land use review.
- VIII b) The project will not 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. Any proposed use or construction activity that might use hazardous materials is subject to permit and inspection by the Hazardous Materials Division of the County Fire Department.
- VIII c) The project uses will not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. The project does not propose the use of hazardous materials and all existing and proposed schools are

more than one-quarter mile away from the project site. Serrano High School is located approximately 3.78 miles northwest of the project site, and Wrightwood Elementary School is approximately 3.97 miles west of the site.

- VIII d) The project site is not included on the San Bernardino County list of hazardous materials sites compiled pursuant to Government Code 65962.5 and therefore, will not create a significant hazard to the public or environment.
- VIII e) The project site is not within the vicinity or approach/departure flight path of a public airport. The nearest public airport is Hesperia Airport, which is located approximately 14.26 miles east of the project site.
- VIII f) The project site is not within the vicinity or approach/departure flight path of a private airstrip. The nearest private airstrip is Brian Ranch Airport, which is located approximately 15.57 miles northwest of the project site.
- VIII g) The project will not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan. The project has adequate access from two or more directions.
- VIII h) Prior to any construction occurring on any parcel, the applicant shall contact the County Fire Department for verification of current fire protection requirements. All new construction shall comply with the current Uniform Fire Code requirements and all applicable statutes, codes, ordinances, and standards of the Fire Department. The project site is in the Fire Safety Overlay (FS-2). The requirements of the overlay district are designed to reduce fire hazard risk to below a level of significance.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XI. HYDROLOGY AND WATER QUALITY - Would the project:				
a) Violate any water quality standards or waste discharge requirements?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level, which would not support existing land uses or planned uses for which permits have been granted)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) 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 on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) 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, which would result in flooding on- or off-site?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) Create or contribute runoff water, which would exceed the capacity of existing or planned storm water drainage systems or provide substantial additional sources of polluted runoff?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Otherwise substantially degrade water quality?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
g) Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
h) Place within a 100-year flood hazard area structure, which would impede or redirect flood flows?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
j) Inundation by seiche, tsunamis, or mudflow?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION

IX a) The project will not violate any water quality standards or waste discharge requirements because the on-site septic systems must be approved by the County Environmental Health Services based on requirements by the Lahontan Region of the Regional Water Quality Control Board. The project is required to provide a percolation report subject to EHS review and approval. All existing and proposed septic systems shall be required to be certified by a qualified professional ensure they function properly; therefore any impact in this area is less than significant.

- IX b) The project will not substantially deplete groundwater supplies or interfere substantially with groundwater recharge, such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level because the project will be conditioned to perform a Water Feasibility Letter to determine the intent to serve. Per County of San Bernardino Special District's instruction, a Water Availability determination shall be made prior to recordation. The Water Feasibility Study shall be performed by the District Engineer to "address the specific details and requirements associated with water service including projected water demand, existing water system capacity, water source, off-site transmission pipeline location and costs, appropriate fees and credits, and other potential requirements, to provide assurances that future single family homes can be adequately served". If wells are proposed, individual water wells will be subject to the County of San Bernardino Environmental Health Services' review and approved. As a condition of approval, a Water Feasibility Study shall be required prior to the recordation of this map.
- IX c) The project will not 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 which would result in erosion or siltation on- or off-site because the project does not propose any alteration to a drainage pattern, stream or river. Natural drainage course traversing the site shall not be occupied, obstructed, or disturbed without prior approval of the Land Development Engineering Division of the Public Works Department. Proof of consultation with California Department of Fish and Wildlife regarding a Streambed Alteration Agreement is required if the drainage course of any streambed on this property is to be altered or encroached. Therefore, no significant impact in this area is anticipated and no mitigation measures are deemed necessary.
- IX d) The project will not substantially alter any 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 which would result in flooding on- or off-site because the project does not propose any alteration to a drainage pattern, stream or river. Natural drainage course traversing the site shall not be occupied, obstructed, or disturbed without prior approval of the Land Development Engineering Division of the Public Works Department. Proof of consultation with California Department of Fish and Wildlife regarding a Streambed Alteration Agreement is required if the drainage course of any streambed on this property is to be altered or encroached. Therefore, no significant impact in this area is anticipated and no mitigation measures are deemed necessary.
- IX e) The future development of single-family residences will not create or contribute runoff water that would exceed the capacity of existing or planned storm water drainage systems because the drainage of the residences will be handled by the natural drainage courses on the property. And because, the County Public Works has reviewed the proposed project drainage and determined that the existing and proposed systems are adequate to handle anticipated flows. There will be adequate capacity in the local and regional drainage systems, so that any increases or changes in volume, velocity, or direction of storm water flows originating from or altered by the project do not negatively impact downstream properties.
- IX f) The project will not otherwise substantially degrade water quality, because appropriate measures relating to water quality protection, including erosion control measures will be required and implemented when the site is developed. No additional development is proposed at this time.
- IX g) The project will not place unprotected housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map because the project is not designated as being in a flood hazard area. The project site is in Zone D as designated by the Federal Emergency Management Agency (FEMA). The following note will be placed on the Composite Development Plan (CDP):
"The site is in FEMA Zone D. Future Construction shall meet FEMA Requirements."

Therefore, there will be no potentially significant impact in this area.

- IX h) The project will not place within a 100-year flood hazard area structures which would impede or redirect flood flows, because the site is not located within a 100-year flood hazard area.
- IX i) The project will not expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding because of the failure of a levee or dam because the project site is not within any identified path of a potential inundation flow that might result in the event of a dam or levee failure or that might occur from a river, stream, lake, or sheet flow situation.
- IX j) The project will not be impacted by inundation by seiche, tsunami, or mudflow because the project is not adjacent to any body of water that has the potential of seiche or tsunami nor is the project site in the path of any potential mudflow.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
X. LAND USE AND PLANNING - Would the project:				
a) Physically divide an established community?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION

- X a) The project will not physically divide an established community, because the project is a logical and orderly extension of the planned land uses and development that are currently established within the surrounding area.
- X b) The project will not conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project adopted for the purpose of avoiding or mitigating an environmental effect, because the project is consistent with all applicable land use policies and regulations of the County Code and General Plan. The project complies with all hazard protection, resource preservation and land use modifying Overlay District regulations.
- X c) The project will not conflict with any applicable habitat conservation plan or natural community conservation plan, because there is no such plans are identified within the area surrounding the project site and no habitat conservation lands are required to be purchased as mitigation for the proposed project.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XI. MINERAL RESOURCES - Would the project:				
a) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Check if project is located within the Mineral Resource Zone Overlay):
MRZ-4

- XI a) The project will not 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, because there are no identified important mineral resources on the project site.
- XI b) The project will not 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, because there are no identified locally important mineral resources on the project site.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XII. NOISE - Would the project:				
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Exposure of persons to or generation of excessive ground borne vibration or ground borne noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION (Check if the project is located in the Noise Hazard Overlay District or is subject to severe noise levels according to the General Plan Noise Element):

- XII a) The project will not expose persons to or generate noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies, because this TPM proposal itself does not generate noise. Any future construction activities will be conditioned to comply with the County noise standards. The CDP note shall state: "Construction activities shall be limited to the hours between 7 AM and 7 PM each day. Construction equipment shall be staged away from surrounding residences where applicable".
- XII b) The project will not create exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels, because all projects are required to comply with the vibration standards of the County Development Code and no vibration exceeding these standards is anticipated to be generated by this project.
- XII c) The project will not generate a substantial permanent increase in ambient noise levels in the project vicinity above levels existing or allowed without the project, because all projects are required to comply with the vibration standards of the County Development Code and no noise exceeding these standards is anticipated to be generated.
- XII d) The project may generate a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing or allowed without the project due to construction activities. Any future construction activities will be conditioned to comply with the County noise standards. The CDP note shall state: "Construction activities shall be limited to the hours between 7 AM and 7 PM each day. Construction equipment shall be staged away from surrounding residences where applicable".

- XII e) The project is not located within an airport land use plan area or within 2 miles of a public/public use airport.
- XII f) The project is not within the vicinity of a private airstrip.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XIII. POPULATION AND HOUSING - Would the project:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION

- XIII a) The project will not have the potential for inducing substantial population growth because the nature, extent, and intensity of the project will only minimally contribute to the potential growth of a greater population. The proposed use is consistent with County General Plan.
- XIII b) The proposed use will not displace substantial numbers of existing housing units, necessitating the construction of replacement housing, because no housing units are proposed to be demolished as a result of this proposal.
- XIII c) The proposed use will not displace substantial numbers of people necessitating the construction of replacement housing elsewhere, because the project will not displace any existing housing or existing residents.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
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XIV. PUBLIC SERVICES

- a) Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, 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 public services:

Fire Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Police Protection?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Schools?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Parks?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Other Public Facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION

- XIV a) The proposed project will not result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, 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 public services, including fire and police protection, schools, parks, or other public facilities. Future development on the proposed parcels should increase property tax revenues to provide a source of funding that is sufficient to offset any increases in the anticipated demands for public services generated by this project.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XV. RECREATION				
a) Would the project 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION

- XV a) This project will not 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, because the impacts generated by the project is expected to be minimal.
- XV b) This project does not include recreational facilities or require the construction or expansion of recreational facilities that might have an adverse physical effect on the environment, because the project is expected to only minimally impact demand for recreational facilities.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XVI. TRANSPORTATION/TRAFFIC - Would the project:				
a) Conflict with an applicable plan, ordinance, or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways, freeways, pedestrian and bicycle paths, and mass transit?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
b) Conflict with an applicable congestion management program, including but not limited to level of service standards and travel demand measures, or other standards established by the County congestion management agency for designated roads or highways?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
e) Result in inadequate emergency access?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

SUBSTANTIATION

- XVI a,b) The future development of four parcels will not cause a substantial increase in traffic. Local roads are currently operating at a level of service at or above the standard established by the County General Plan. The property is located within the High Desert Local Area Transportation Facilities Fee Plan. Developers will be required to contribute to that plan before building permits are issued.
- XVI c) The project will not result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks. There are no airports near the project and there is no anticipated notable impact on air traffic volumes by passengers or freight generated by the future residential uses.
- XVI d) The project will not substantially increase hazards due to a design feature or incompatible uses because the project site is adjacent to an established road that is accessed at points with good site distance and properly controlled intersections. There are no incompatible uses proposed by the project that will impact surrounding land uses.

- XVI e) The project will not result in inadequate emergency access because resultant parcels will have adequate access.
- XVI f) The project will not conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities because this is a minor subdivision for residential purposes only; therefore, this project will have no impact on alternative methods of transportation.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

	Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
XVII. UTILITIES AND SERVICE SYSTEMS - Would the project:				
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new, or expanded, entitlements needed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
e) 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?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
f) Be served by a landfill(s) with sufficient permitted capacity to accommodate the project's solid waste disposal needs?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
g) Comply with federal, state, and local statutes and regulations related to solid waste?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

SUBSTANTIATION

- XVII a) The proposed project does not exceed wastewater treatment requirements of the Regional Water Quality Control Board, *Lahontan* Region, as determined by County Public Health – Environmental Health Services.
- XVII b) The proposed project will not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities. There is no wastewater treatment provider serving the project area. Sewage needs will be served by onsite septic systems which will be subject to County Environmental Health Services review and approval, based on requirements established by the Lahontan Region Water Quality Board; therefore any impact in this area will be less than significant. The proposed project will not require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities because County Special District Service Area 70 J has expressed intent to serve the future residences. Prior to recordation of the map and as requested by County Special District, a Water Feasibility Study shall be required as a condition of approval to establish the delivery mechanism of the available water to all parcels.
- XVII c) The proposed project will not require or result in the construction of new storm water drainage facilities or expansion of existing facilities that cause significant environmental effects because County Public Works has determined that there is sufficient capacity in the existing storm water system to absorb any additional storm water drainage caused by the project. All future residential construction must meet the requirements from the County Public Works, Land Development Division (Roads/Drainage); therefore any impact in this area will be less than significant.
- XVII d) The proposed project will have sufficient water supplies available to serve because per County of

San Bernardino Special District's instruction, a Water Availability determination shall be made prior to recordation. The Water Feasibility Study shall be performed by the District Engineer to "address the specific details and requirements associated with water service including projected water demand, existing water system capacity, water source, off-site transmission pipeline location and costs, appropriate fees and credits, and other potential requirements, to provide assurances that future single family homes can be adequately served". Future development of the proposed parcels will not create a significant demand on water supplies. Therefore any impact will be less than significant in this area.

- XVII e) There is no wastewater treatment provider serving the project area, therefore on-site septic systems will serve the project subject to review and approval by the County EHS based on requirements by the Lahontan Region of the Regional Water Quality Control Board.; therefore any impact will be less than significant in this area.
- XVII f) The proposed project is served by a certified local landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs; therefore any impact will be less than significant in this area.
- XVII g) The proposed project is required to comply with federal, state, and local statutes and regulations related to solid waste, therefore any impact will be less than significant in this area.

Therefore, no significant adverse impacts are identified or anticipated and no mitigation measures are required.

Potentially Significant Impact	Less than Significant with Mitigation Incorporated	Less than Significant	No Impact
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XVIII. MANDATORY FINDINGS OF SIGNIFICANCE:

- | | | | | |
|--|--------------------------|--------------------------|-------------------------------------|--------------------------|
| a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| b) Does the project have impacts that are individually limited, but cumulatively considerable? (“Cumulatively considerable” means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects) | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly? | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

SUBSTANTIATION

XVIII a) The project does not appear to have the potential to significantly degrade the overall quality of the region’s environment, or substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory.

A General Biological Assessment has been prepared by the RCA Associates and found that “no sensitive wildlife species were observed” on the project site, and that “no definitive wildlife movement corridors were noted on the property or in adjacent areas. The impacts to the general biological resources are not expected to be significant”. The study finds that the site is undisturbed and supports a woodland community dominated by California Junipers and Joshua Trees (17 identified), Rabbit Brush and Ephedra. The RCA Associates recommends proper transplant of the Joshua trees by a licensed arborist. Relocation of these Joshua trees may require CDFW permits. CDFW and USFWS are the only agencies which can grant authorization of the “take” of any sensitive species. A Composite Development Plan Note (CDP Note) however will be added to require the current and future developers to contact and coordinate with the CDFW to discuss specific transplanting requirements of the Joshua Trees prior to the start of any future site clearing activities. The study does not recommend additional survey, nor requires mitigation measures. Any removal of the protected Joshua trees must comply with the County’s ordinance regarding tree protection (County Development Code Section 88.01.060). All building permits require a pre-construction inspection to verify the location of Joshua Trees. The site has low potential for Paleontological and Archeological Resources. The conditions of approval will ensure any potential adverse impact will be less than significant. No additional improvements are proposed at this time.

Under section 1600 *et. Seq* of the Fish and Wildlife Code, the Department requires the project applicant to notify the Department of any activity that will divert, obstruct or change the natural flow of the bed, channel or bank (which includes associated riparian habitat) or a river, stream or lake, or use material from a streambed prior to the applicant's commencement of the activity". The project shall be conditioned not to alter any riparian habitat. The developer shall contact CDFW for additional consultation if project activities have a potential to alter a streambed or adversely impact any riparian habitat. A Streambed Alteration Agreement with the California Department of Fish and Wildlife may then be required. Additional avoidance, minimization and or mitigation measures may be imposed by CDFW upon further review. CDP notes shall require future developers and or property owners to contact CDFW for additional consultation regarding above-discussed species and habitats.

- XVIII b) The project does not have impacts that are individually limited, but cumulatively considerable. The sites of projects in the area to which this project would add cumulative impacts have either existing or planned infrastructure that is sufficient for all planned uses. These sites either are developed or are capable of absorbing such uses without generating any cumulatively significant impacts.
- XVIII c) The project will not have environmental effects that will cause substantial adverse effects on human beings, either directly or indirectly because there are no such impacts identified by the studies conducted for this project or identified by review of other sources or by other agencies.

Only minor biological impacts will occur through implementation of the proposed project. These potential impacts have been thoroughly evaluated and have been deemed to be neither individually significant nor cumulatively considerable in terms of any adverse effects upon the region, the local community, or its inhabitants. At a minimum, the project will be required to meet the conditions of approval for the project to be implemented. It is anticipated that all such conditions of approval will further insure that no potential for adverse impacts will be introduced by construction activities, initial or future land uses authorized by the project approval.

A CDP Note will require future builders to consult with California Department of Fish and Wildlife regarding a Streambed Alteration Agreement if alteration of a streambed occurs. Another CDP Note will require future builders to implement procedures in the event that potentially sensitive cultural resources are uncovered during earthmoving and/or construction.

XIX. MITIGATION MEASURES

(Any mitigation measures, which are not 'self-monitoring', shall have a Mitigation Monitoring and Reporting Program prepared and adopted at time of project approval)

SELF MONITORING MITIGATION MEASURES: (Condition compliance will be verified by existing procedure)

GENERAL REFERENCES

- Alquist-Priolo Special Studies Zone Act Map Series (PRC 27500)
- California Department of Water Resources, California's Ground Water Bulletin #118 Update, 2003
- CEQA Guidelines, Appendix G
- California Standard Specifications, July 1992
- County Museum Archaeological Information Center
- County of San Bernardino Development Code, 2007, Revised 2010
- County of San Bernardino General Plan, 2007, Revised 2010
- County of San Bernardino Greenhouse Gas Emissions Reduction Plan, January 6, 2012.
- County of San Bernardino Hazard Overlay Map: FH12
- County of San Bernardino Identified Hazardous Materials Waste Sites List, April 1998
- County of San Bernardino, Countywide Integrated Waste Management Plan, March 1995
- County of San Bernardino, June 2004, *San Bernardino County Storm Water Program, Model Water Quality Management Plan Guidance*
- County of San Bernardino Road Planning and Design Standards
- Environmental Impact Report, San Bernardino County General Plan, 2007
- Federal Emergency Management Agency Flood Insurance Rate Map and Flood Boundary Map
- Mojave Desert Air Quality Management District, Mojave Desert Planning Area – Federal Particulate Matter (PM10) Attainment Plan, July 1995
- Mojave Desert Air Quality Management District, 2004 Ozone Attainment Plan, June 2007
- Mojave Desert Air Quality Management District, California Environmental Quality Act (CEQA) and Federal Conformity Guidelines, June 2007
- Mojave Desert Air Quality Management District, Federal 8-Hour Ozone Attainment Plan (Western Mojave Desert Non-attainment Area), June 2008

PROJECT SPECIFIC REFERENCES

- General Biological Assessment and Focused Survey For Desert Tortoise; RCA Associates LLC; May 16, 2012
- Drainage Study for David Fragoso; PM 19366; APN: 3046-101-38 & 40; Cubit Engineering; February 20, 2012