

Notice of Completion & Environmental Document Transmittal

Mail to: State Clearinghouse, P. O. Box 3044, Sacramento, CA 95812-3044 (916) 445-0613
 For Hand Delivery/Street Address: 1400 Tenth Street, Sacramento, CA 95814

SCH # _____

Project Title: Parcel Map 16-006 - Munson

Lead Agency: Shasta County Department of Resource Management – Planning Division **Contact Person:** Bill Walker, Senior Planner

Mailing Address: 1855 Placer Street, Suite 103

Phone: (530) 225-5532

City: Redding, CA

Zip: 96001

County: Shasta

Project Location: County: Shasta

City/Nearest Community: Cottonwood

Cross Streets: Black Lane and Balls Ferry Road

Zip Code: 96022

Lat. / Long.: 40° 23' 30" N / 122° 15' 14" W

Total Acres: 33.2

Assessor's Parcel No.: 088-320-016

Section: 1 & 6

Twp.: 29 North

Range: 3 & 4 **West Base:** MDB&M

Within 2 Miles: State Hwy #: Interstate 5

Waterways: Cottonwood Creek

Airports: None

Railways: Union Pacific

Schools:

Document Type:

CEQA:

- NOP
 Early Cons
 Neg Dec
 Mit Neg Dec

- Draft EIR
 Supplement/Subsequent EIR
 (Prior SCH No.) _____
 Other _____

NEPA:

- NOI
 EA
 Draft EIS
 FONSI

Other:

- Joint Document
 Final Document
 Other _____

Local Action Type:

- General Plan Update
 General Plan Amendment
 General Plan Element
 Community Plan

- Specific Plan
 Master Plan
 Planned Unit Development
 Site Plan

- Rezone
 Prezone
 Use Permit
 Land Division (Subdivision, etc.)

- Annexation
 Redevelopment
 Coastal Permit
 Other _____

Development Type:

- Residential: Units 4 Acres 33.2
 Office: Sq.ft. _____ Acres _____ Employees _____
 Commercial: Sq.ft. _____ Acres _____ Employees _____
 Industrial: Sq.ft. _____ Acres _____ Employees _____
 Educational _____
 Recreational _____

- Water Facilities: Type _____ MGD _____
 Transportation: Type _____
 Mining: Mineral _____
 Power: Type _____ MW _____
 Waste Treatment: Type _____ MGD _____
 Hazardous Waste: Type _____
 Other: _____

Project Issues Discussed in Document:

- | | | | |
|---|---|--|---|
| <input type="checkbox"/> Aesthetic/Visual | <input type="checkbox"/> Fiscal | <input type="checkbox"/> Recreation/Parks | <input type="checkbox"/> Vegetation |
| <input type="checkbox"/> Agricultural Land | <input type="checkbox"/> Flood Plain/Flooding | <input type="checkbox"/> Schools/Universities | <input type="checkbox"/> Water Quality |
| <input type="checkbox"/> Air Quality | <input type="checkbox"/> Forest Land/Fire Hazard | <input type="checkbox"/> Septic Systems | <input type="checkbox"/> Water Supply/Groundwater |
| <input type="checkbox"/> Archeological/Historical | <input type="checkbox"/> Geologic/Seismic | <input type="checkbox"/> Sewer Capacity | <input type="checkbox"/> Wetland/Riparian |
| <input type="checkbox"/> Biological Resources | <input type="checkbox"/> Minerals | <input type="checkbox"/> Soil Erosion/Compaction/Grading | <input type="checkbox"/> Wildlife |
| <input type="checkbox"/> Coastal Zone | <input type="checkbox"/> Noise | <input type="checkbox"/> Solid Waste | <input type="checkbox"/> Growth Inducing |
| <input type="checkbox"/> Drainage/Absorption | <input type="checkbox"/> Population/Housing Balance | <input type="checkbox"/> Toxic/Hazardous | <input type="checkbox"/> Land Use |
| <input type="checkbox"/> Economic/Jobs | <input type="checkbox"/> Public Services/Facilities | <input type="checkbox"/> Traffic/Circulation | <input type="checkbox"/> Cumulative Effects |
| <input type="checkbox"/> Other _____ | | | |

Present Land Use/Zoning/General Plan Designation:

Present Land Use: Residential and Vacant/ Zoning Rural Residential (R-R), General Plan: Rural Residential A (RA)

Project Description: (please use a separate page if necessary)

The request is for approval of a Parcel Map to create four parcels of 2.0 acres, 5.1 acres, 10.0 acres and 16.1 acres. There are existing single-family residences on the proposed 2.0-acre parcel and the proposed 16.1-acre parcel.

Reviewing Agencies Checklist

Lead Agencies may recommend State Clearinghouse distribution by marking agencies below with an "X".
If you have already sent your document to the agency please denote that with an "S".

- | | |
|---|---|
| <input type="checkbox"/> Air Resources Board | <input type="checkbox"/> Office of Emergency Services |
| <input type="checkbox"/> Boating & Waterways, Department of | <input type="checkbox"/> Office of Historic Preservation |
| <input type="checkbox"/> California Highway Patrol | <input type="checkbox"/> Office of Public School Construction |
| <input type="checkbox"/> CalFire | <input type="checkbox"/> Parks & Recreation |
| <input checked="" type="checkbox"/> Caltrans District # 2 | <input type="checkbox"/> Pesticide Regulation, Department of |
| <input type="checkbox"/> Caltrans Division of Aeronautics | <input type="checkbox"/> Public Utilities Commission |
| <input type="checkbox"/> Caltrans Planning (Headquarters) | <input checked="" type="checkbox"/> Regional WQCB # 5 |
| <input type="checkbox"/> Central Valley Flood Protection Board | <input type="checkbox"/> Resources Agency |
| <input type="checkbox"/> Coachella Valley Mountains Conservancy | <input type="checkbox"/> S.F. Bay Conservation & Development Commission |
| <input type="checkbox"/> Coastal Commission | <input type="checkbox"/> San Gabriel & Lower L.A. Rivers and Mtns Conservancy |
| <input type="checkbox"/> Colorado River Board | <input type="checkbox"/> San Joaquin River Conservancy |
| <input type="checkbox"/> Conservation, Department of | <input type="checkbox"/> Santa Monica Mountains Conservancy |
| <input type="checkbox"/> Corrections, Department of | <input type="checkbox"/> State Lands Commission |
| <input type="checkbox"/> Delta Protection Commission | <input type="checkbox"/> SWRCB: Clean Water Grants |
| <input type="checkbox"/> Education, Department of | <input type="checkbox"/> SWRCB: Water Quality |
| <input type="checkbox"/> Energy Commission | <input type="checkbox"/> SWRCB: Water Rights |
| <input checked="" type="checkbox"/> Fish & Game Region # 1 | <input type="checkbox"/> Tahoe Regional Planning Agency |
| <input type="checkbox"/> Food & Agriculture, Department of | <input type="checkbox"/> Toxic Substances Control, Department of |
| <input type="checkbox"/> General Services, Department of | <input type="checkbox"/> Water Resources, Department of |
| <input type="checkbox"/> Health Services, Department of | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Housing & Community Development | <input type="checkbox"/> Other _____ |
| <input type="checkbox"/> Integrated Waste Management Board | |
| <input type="checkbox"/> Native American Heritage Commission | |

Local Public Review Period (to be filled in by lead agency)

Starting Date December 2, 2016

Ending Date January 9, 2017

Lead Agency (Complete if applicable):

Consulting Firm: _____	Applicant: <u>Jason Munson</u>
Address: _____	Address: <u>P.O. Box 639</u>
City/State/Zip: _____	City/State/Zip: <u>Cottonwood, CA 96022</u>
Contact: _____	Phone: <u>530-365-1163</u>
Phone: _____	

Signature of Lead Agency Representative: *N. M. Walker* Date: 12/2/16

Authority cited: Section 21083, Public Resources Code. Reference: Section 21161, Public Resources Code.

ENVIRONMENTAL INITIAL STUDY & NEGATIVE DECLARATION

Parcel Map 16-006
Munson

December 2, 2016

ENVIRONMENTAL INITIAL STUDY &
NEGATIVE DECLARATION
WITH
References and Documentation

Prepared by
SHASTA COUNTY DEPARTMENT OF RESOURCE MANAGEMENT
PLANNING DIVISION
1855 Placer Street, Suite 103
Redding, California 96001

**SHASTA COUNTY
ENVIRONMENTAL CHECKLIST FORM
INITIAL STUDY & NEGATIVE DECLARATION**

1. **Project Title:**
Parcel Map 16-006 - Munson
2. **Lead agency name and address:**
Shasta County Department of Resource Management, Planning Division
1855 Placer Street, Suite 103
Redding, CA 96001-1759
3. **Contact Person and Phone Number:**
Bill Walker, AICP, Senior Planner, (530) 225-5532
4. **Project Location:**
The proposed project is located in the Cottonwood area on a 33.2 acre-parcel on the north side of Black Lane, about 0.6 miles east of the intersection of Black Lane and Balls Ferry Road (21500 and 21528 Black Lane).
5. **Applicant Name and Address:**
Jason Munson, Munson Pump Services, P.O. Box 639, Cottonwood, CA 96022
6. **General Plan Designation:**
Rural Residential A (RA)
7. **Zoning:**
Rural Residential (R-R)
8. **Description of Project:**
The request is for approval of a parcel map to create four parcels of 2.0 acres, 5.1 acres, 10.0 acres and 16.1 parcels. There are existing single-family residences on the proposed 2.0 acre parcel and the proposed 16.1 acre parcel. Related to this parcel map, the applicant has requested an exception to Section 6.11.1 of the County Fire Safety Standards which limits dead-end road length to 1,000 feet. The Cottonwood Fire Protection District has recommended approval of this exception, which also requires a recommendation from the County Fire Marshall, and approval from the Planning Commission.
9. **Surrounding Land Uses and Setting:**
The surrounding land uses are residential and small scale agricultural. The surrounding properties are cultivated land irrigated by the Anderson-Cottonwood Irrigation District.
10. **Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.):**
None

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.

	Aesthetics		Agricultural Resources		Air Quality
	Biological Resources		Cultural Resources		Geology / Soils
	Hazards & Hazardous Materials		Hydrology / Water Quality		Land Use / Planning
	Mineral Resources		Noise		Population / Housing
	Public Services		Recreation		Transportation / Traffic
	Utilities / Service Systems		Mandatory Findings of Significance		

DETERMINATION: (To be completed by the Lead Agency)

On the basis of the initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared.

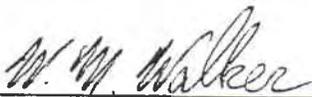
I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared.

I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required.

I find that 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.

I find that 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.

Copies of the Initial Study and related materials and documentation may be obtained at the Planning Division of the Department of Resource Management, 1855 Placer Street, Suite 103, Redding, CA 96001. Contact Bill Walker, Senior Planner, at (530) 225-5532.



Bill Walker, AICP
Senior Planner

12/2/16

Date



Richard W. Simon, AICP
Director of Resource Management

11/30/16

Date

EVALUATION OF ENVIRONMENTAL IMPACTS:

- 1) A brief explanation is required for all answers except "No Impact" answers that are adequately supported by the information sources a lead agency cites in the parenthesis following each question. A "No Impact" answer is adequately supported if all the referenced information sources show that the impact simply does not apply to projects like the one involved (e.g., the project falls outside a fault rupture zone). A "No Impact" answer should be explained where it is based on project-specific factors as well as general standards (e.g., the project will not expose sensitive receptors to pollutants, based on a project-specific screening analysis).
- 2) All answers must take account of the whole action involved, including off-site as well as on-site, cumulative as well as project-level, indirect as well as direct, and construction as well as operational impacts.
- 3) Once the lead agency has determined that a particular physical impact may occur, then the checklist answers must indicate whether the impact is potentially significant, less-than-significant with mitigation, or less-than-significant. "Potentially Significant Impact" is appropriate if there is substantial evidence that an effect may be significant. If there are one or more, "Potentially Significant Impact" entries when the determination is made, an EIR is required.
- 4) "Negative Declaration: Less-than-significant With Mitigation Incorporated" applies where the incorporation of mitigation measures has reduced an effect from "Potentially Significant Impact" to a "Less-than-significant Impact." The lead agency must describe the mitigation measures, and briefly explain how they reduce the effect to a less-than-significant level (mitigation measures from Section XVIII, "Earlier Analyses," may be cross-referenced).
- 5) Earlier analyses may be used where, pursuant to the tiering, program EIR, or other CEQA process, an effect has been adequately analyzed in an earlier EIR or Negative Declaration. Section 15063(c)(3)(D). In this case, a brief discussion should identify the following:
 - a) Earlier Analysis Used. Identify and state where they are available for review.
 - b) Impacts Adequately Addressed. Identify which effects from the above checklist were within the scope of and adequately analyzed in an earlier document pursuant to applicable legal standards, and state whether such effects were addressed by mitigation measures based on the earlier analysis.
 - c) Mitigation Measures: For effects that are "Less-than-significant with Mitigation Measures Incorporated," describe the mitigation measures which were incorporated or refined from the earlier document and the extent to which they address site-specific conditions for the project.
- 6) Lead agencies are encouraged to incorporate into the checklist references to information sources for potential impacts (e.g. General Plans, zoning ordinances). Reference to a previously prepared or outside document should, where appropriate, include a reference to the page or pages where the statement is substantiated.
- 7) Supporting Information Sources: A source list should be attached, and other sources used or individuals contacted should be cited in the discussion.
- 8) This is only a suggested form, and lead agencies are free to use different formats; however, lead agencies should normally address the questions from this checklist that are relevant to a project's environmental effects in whatever format is selected.
- 9) The explanation of each issue should identify the following:
 - a) The significance criteria or threshold, if any, used to evaluate each question; and
 - b) The mitigation measure identified, if any, to reduce the impact to less-than-significant.

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

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not result in any adverse effect on a scenic vista. There is no view of the project site which includes a scenic vista. The project would not visually obstruct a scenic vista. The area is flat with residences and small scale agricultural uses. The project design would allow for up to five new residences, two on each of the proposed 5.1-acre and 10.0-acre parcels, and one additional residence on the proposed 16.1-acre parcel. Residential development would be consistent with surrounding development.
- b) The project would not substantially damage any scenic resource. The project site is not visible from a designated scenic highway.
- c) The project would not degrade the existing visual character or quality of the site and its surroundings. The project surroundings are residential and small-scale agricultural. Construction of future residences on the proposed parcels is consistent with the existing visual character and quality of the site and its surroundings.
- d) The project would not create a new source of substantial light or glare which would adversely affect day or nighttime views in the area. The only new light would be from new residences.

Mitigation/Monitoring: None proposed.

II. AGRICULTURE 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 Mode (1997) prepared by the California Dept. of Conservation as an optional model to use in assessing impacts on agriculture and farmland. Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Convert Prime Farmland, Unique Farmland, or 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?			✓	
b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?				✓
c) Involve other changes in the existing environment which, due to their location or nature, could result in conversion of Farmland to non-agricultural use?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) Most of the subject property is identified as Prime Farmland, and a small area is identified as Urban Land, on the map titled Shasta County Important Farmland 2010. However, the parcel has a General Plan designation of Rural Residential A and is already smaller than the size considered necessary for a full-time agricultural operation as determined in the General Plan. The proposed parcels sizes would still allow for agricultural use of the land for part-time or second income farming.
- b) Neither this property nor the surrounding properties are zoned for agricultural use nor are they in a Williamson Act Contract.
- c) The project would not result in the conversion of Farmland to non-agricultural use.

Mitigation/Monitoring: None proposed.

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:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Conflict with or obstruct implementation of the applicable air quality plan?			✓	
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?				✓
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 emission which exceed quantitative thresholds for ozone precursors)?				✓
d) Expose sensitive receptors to substantial pollutant concentrations?				✓
e) Create objectionable odors affecting a substantial number of people?				✓

Discussion: Based on related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not conflict with or obstruct implementation of the 2012 Attainment Plan for Northern Sacramento Valley Air Basin as adopted by Shasta County, or any other applicable air quality plan. Development of up to five new residences would not have a significant effect on County air quality.
- b) The project would not violate any air quality standards. The project would not contribute substantially to an existing or projected air quality violation.
- c) The project would not result in a cumulatively considerable net increase of any criteria pollutant, including ozone, ozone precursors or PM10 (particulate matter), the pollutants for which the Northern Sacramento Valley Air Basin is in non-attainment under the applicable State ambient air quality standard.
- d) Substantial pollutant concentrations are not anticipated as a result of the project.
- e) The project would not cause air emissions which would create objectionable odors affecting a substantial number of people.

When the two new proposed parcels are developed with residences, the project could potentially result in up to five new residences which could generate approximately 50 new vehicle trips per day. This is an insignificant increase in traffic. The project is consistent with the Rural Residential A (RA) General Plan designation and the air quality attainment plan.

Mitigation/Monitoring: None proposed.

IV. <u>BIOLOGICAL RESOURCES</u> : Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Have a substantial effect, 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?				✓
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 U.S. Fish and Wildlife Service?				✓
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?				✓
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?				✓
e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?				✓
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?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) No 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 the U.S. Fish and Wildlife Service have been identified on the project site or in the project area. The proposed project would not involve significant habitat modification.
- b) There is no riparian habitat or other sensitive natural community on the project site or in the project area.
- c) There are no significant wetlands on the project site or in the immediate vicinity. There is a drainage swale in the northeast corner of the property which is part of an area that has been under cultivation and does not have any riparian vegetation. There are no vernal pools or wetlands identified on the subject property based on the Vernal Pools, Wetlands, and Waterways Map of Shasta County prepared by the Geographic Information Center, California State University, Chico, on August 24, 1996.
- d) The project would not interfere with any native resident or migratory fish or wildlife species, nor impede the use of native wildlife nursery sites.
- e) The project would not conflict with any ordinances or policies which protect biological resources.
- f) No habitat conservation plans or other similar plans have been adopted for the project site or project area.

There is little natural habitat uninfluenced by human activity left on the site and no known occurrences of endangered species.

Mitigation/Monitoring: None proposed.

<u>V. CULTURAL RESOURCES</u> - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Cause a substantial adverse change in the significance of a historical resource pursuant to §15064.5?				✓
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?				✓
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?				✓
d) Disturb any human remains, including those interred outside of formal cemeteries?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, and a field survey by Julie Cassidy, Archeologist, the following findings can be made:

- a) The project would not cause a substantial adverse change in the significance of an historical resource.
- b) The project would not cause a substantial adverse change in the significance of an archaeological resource.
- c) Upon review of the Minerals Element of the General Plan, there is no evidence to suggest that the project would directly or indirectly destroy a unique paleontological resource or site or unique geologic feature.
- d) The project site is not on or adjacent to any known cemetery or burial area. Therefore, there is no evidence to suggest that the project would disturb any human remains.

Information about the project was sent to the Northeast Information Center of the California Historical Resources Information System, which reviewed the project and commented that the project area is considered to be highly sensitive for cultural resources. A field survey, conducted on October 26, 2016, found no prehistoric or historic resources within the project boundaries. Therefore, a clearance was recommended by the cultural resource specialist.

Although there is no evidence to suggest that the project would result in any significant effect to historical, archeological, paleontological, or unique geologic resource, or human remains, there is always the possibility that such resources or remains could be encountered. Therefore, if, in the course of development, any archaeological, historical, or paleontological resources are uncovered, discovered or otherwise detected or observed, mineral exploration activities in the affected area shall cease and a qualified archaeologist shall be contacted to review the site and advise the County of the site's significance. If the findings are deemed significant by the Environmental Review Officer, appropriate mitigation shall be required.

Mitigation/Monitoring: None proposed.

<u>VI. GEOLOGY AND SOILS</u> - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving: <ul style="list-style-type: none"> 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 				✓

<u>VI. GEOLOGY AND SOILS</u> – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Publications 42. ii) Strong seismic ground shaking? iii) Seismic-related ground failure, including liquefaction? iv) Landslides?				
b) Result in substantial soil erosion or the loss of topsoil?				✓
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?				✓
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?				✓
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 waste water?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would 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: According to the Alquist-Priolo Earthquake Fault Zoning Maps for Shasta County, there is no known earthquake fault on the project site.
 - ii) Strong seismic ground shaking: According to the Shasta County General Plan Section 5.1, Shasta County has a low level of historic seismic activity. The entire County is in Seismic Design Category D. According to the Seismic Hazards Assessment for the City of Redding, California, prepared by Woodward Clyde, dated July 6, 1995, the most significant earthquake at the project site may be a background (random) North American crustal event up to 6.5 on the Richter scale at distances of 10 to 20 km. All structures shall be constructed according to the seismic requirements of the currently adopted Building Code.
 - iii) Seismic-related ground failure, including liquefaction: The South Central Region Planning Area Potential Areas of Liquefaction Map indicates that during a seismic event there is moderate potential for liquefaction to occur at the site. The project is in the Rural Residential (R-R) zone district. All structures shall be constructed according to the seismic requirements of the currently adopted Building Code.
 - iv) Landslides: The area of the property is flat and the potential for landslides is minimal.
- b) The project would not result in substantial soil erosion or the loss of topsoil. The Soil Survey of Shasta County, completed by the United States Department of Agriculture, Soil Conservation Service and Forest Service in August, 1974, identified the soils in the project site with a hazard of erosion ranging from none to slight. A grading permit is required prior to any grading activities. The grading permit includes requirements for erosion and sediment control, including retention of topsoil.
- c) The project would not 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.

The topography of the site is predominantly level. The threat of landslides, lateral spreading, subsidence, liquefaction, or collapse is minimal.
- d) The project would not be located on expansive soil creating substantial risks to life or property. The Soil Survey of Shasta County, completed by the United States Department of Agriculture, Soil Conservation Service and Forest Service in August, 1974,

identified the soils in the project site with shrink-swell potential of low to moderate. The foundations of all structures will be constructed according to the requirements of the currently adopted Building Code.

- e) The project would not 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. The soils on the project site have been tested for wastewater treatment and have demonstrated compliance with adopted sewage disposal criteria.

Mitigation/Monitoring: None proposed.

VII. HAZARDS AND HAZARDOUS MATERIALS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?				✓
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?				✓
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?				✓
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?				✓
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?				✓
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?				✓
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?				✓
h) Expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas, or where residences are intermixed with wildlands?				✓

Discussion: Based on these comments, the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials. The proposed uses resulting from the project are residential and no routine transport, use, or disposal of hazardous materials is anticipated as a result of the project.
- b) The project would 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. No significant amount of hazardous materials would be associated with this residential land division.
- c) The project would not emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school. There is no existing or proposed school within one-quarter mile of the project site.
- d) The project is not located on a site which is included on a list of hazardous materials sites and would not create a significant hazard to the public or the environment. The project site is not included on the list of hazardous materials sites compiled by the California Department of Toxic Substances Control.

- e) The project is not located within an airport land use plan or within two miles of a public airport or public use airport.
- f) The project is not located within the vicinity of a private airstrip.
- g) The project would not impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan.
- h) The project would not expose people or structures to a significant risk of loss, injury, or death involving wildland fires, including where wildlands are adjacent to urbanized areas, or where residences are intermixed with wildlands. The project is not located in an area which is designated a "VERY HIGH" or "HIGH" fire hazard severity zone. The project site and the surrounding area is pastureland irrigated by the Anderson-Cottonwood Irrigation District. All roadways, driveways and buildings for the proposed project would be required to be constructed in accordance with the Shasta County Fire Safety Standards. These standards also require the clearing of combustible vegetation around all structures for a distance of not less than 30 on each side or to the property line. The California Public Resources Code Section 4291 includes a "Defensible Space" requirement of clearing 100 feet around all buildings or to the property line, whichever is less.

The proposed project would require an exception to Section 6.11.1 of the County Fire Safety Standards which limits dead-end road length to 1,000 feet. The proposed project is about 3,150 feet from Balls Ferry Road, the nearest "through" road. The Cottonwood Fire Protection District has recommended approval of this exception, which also requires a recommendation from the County Fire Marshall, and approval from the Planning Commission.

Mitigation/Monitoring: None proposed.

VIII. <u>HYDROLOGY AND WATER QUALITY</u> : Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Violate any water quality standards or waste discharge requirements?				✓
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a new 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)?			✓	
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 which would result in substantial erosion or siltation on- or off-site?				✓
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 offsite?				✓
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?				✓
f) Otherwise substantially degrade water quality?				✓
g) Place housing within 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?				✓
h) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?				✓
i) Expose people or structures to a significant risk of loss, injury, or death involving flooding, including flooding as a result of the				✓

VIII. HYDROLOGY AND WATER QUALITY: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
failure of a levee or dam?				
j) Inundation by seiche, tsunami, or mudflow?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not violate any water quality standards or waste discharge requirements. Through adherence to construction standards, including erosion and sediment control measures, water quality standards will not be violated. Grading will be needed for this project, and a grading permit will be required. The provisions of the permit will address erosion and siltation containment on- and off-site. The project will be served by the County Community Service Area (CSA) No. 17 wastewater treatment system which is in compliance with Federal, State, and local statutes and regulations related to water quality.
- b) The project would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge. The project would result in two new wells for single-family residences and small-scale agricultural use.
- c) The project would not substantially alter the existing drainage pattern of the site or area in a manner which would result in substantial erosion or siltation on- or off-site. The drainage pattern will not be altered. Drainage will be dispersed to either the unimproved areas or landscape areas adjacent to the building and the parking areas. The runoff will sheet flow into the existing drainage channels on the site. This will preserve the existing drainage pattern and not require alteration of the natural drainage courses.
- d) The project would not substantially alter the existing drainage pattern of the site or area, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site.
- e) The project would not 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.
- f) The project would not substantially degrade water quality.
- g) The project would not place housing within the 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map. The project site is not located within a flood hazard boundary.
- h) The project would not place within a 100-year flood hazard area structures which would impede or redirect flood flows. No building area would be in the 100-year flood hazard area.
- i) The project would not expose people or structures to a significant risk of loss, injury, or death involving flooding. There are no levees, dams, or impoundments within or upstream from the project area which would create flooding in the event of levee or dam failure.
- j) The project would not result in inundation by seiche, tsunami, or mudflow. The project is not located near a large lake or the ocean so would not be subject to seiche or tsunami. It is not located on or near a mountainside or hillside which is subject to mudflows.

Mitigation/Monitoring: None proposed. With the mitigation measures being proposed, the impacts will be less-than-significant.

IX. LAND USE AND PLANNING - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Physically divide an established community?				✓
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?				✓
c) Conflict with any applicable habitat conservation plan or natural				

IX. LAND USE AND PLANNING - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
community conservation plan?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not physically divide an established community. The project does not include the creation of any road, ditch, wall, or other feature which would physically divide an established community.
- b) The project would 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. The project is consistent with the Rural Residential A (RA) General Plan land use designation and the Rural Residential (R-R) zone district of the project site.
- c) The project would not conflict with any applicable habitat conservation plan or natural community conservation plan. There is no adopted Habitat Conservation Plan, Natural Community, Conservation Plan, or other approved local, regional, or State habitat conservation plans for the project site or project area.

Mitigation/Monitoring: None proposed.

X. MINERAL RESOURCES - Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?				✓
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?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would 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. There are no known mineral resources of regional value located on or near the project site.
- b) The project would 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. The project site is not identified in the General Plan Minerals Element as containing a locally-important mineral resource. There is no other land use plan which addresses minerals.

Mitigation/Monitoring: None proposed.

XI. NOISE - Would the project result in:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?			✓	
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels				✓
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?				✓

XI. NOISE – Would the project result in:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?			✓	
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?				✓
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?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would result in the construction of two new single-family residences and accessory buildings which would not result in 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. The General Plan Noise Standard is 55 hourly L_{eq} daytime, and 50 hourly L_{eq} nighttime. The project will not generate noise levels in excess of this standard. The project is not located in a high noise area that will result in exposure of persons to noise levels in excess of the standard.
- b) The project would not result in exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels. There is no identified source of groundborne vibration or groundborne noise levels in the project area.
- c) The project would not result in a substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project. The project will result in the eventual construction of up to five residences and accessory buildings which will not cause any permanent increase in ambient noise levels in the project vicinity.
- d) The project would not result in a substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project. The project will result in the eventual construction of up to five single-family residences and accessory buildings which will cause less-than-significant temporary and periodic increases in ambient noise levels in the project vicinity. There will be increased noise levels during residential construction, and increased noise levels caused by the daily activities of new residents. However, none of these increases are expected to be significant.
- e) The project is not located within an airport land use plan or within two miles of a public airport or public use airport.
- f) The project is not located within the vicinity of a private airstrip.

Mitigation/Monitoring: None proposed.

XII. POPULATION AND HOUSING – Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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)?				✓
b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?				✓
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the Initial Study – Parcel Map 16-006 – Munson

project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not induce substantial population growth in an area, either directly or indirectly. The population growth resulting from the potential five new residences, or approximately thirteen persons, given a total County population of approximately 178,673 (California Department of Finance 2015) is not substantial. The proposal is consistent with the Rural Residential A (RA) General Plan land designation which allows a maximum density of one dwelling per two acres.
- b) The project would not displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere. The project does not include destruction of any existing housing.
- c) The project would not displace any people.

Mitigation/Monitoring: None proposed.

XIII. PUBLIC SERVICES: 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:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Fire Protection?			✓	
Police Protection?			✓	
Schools?				✓
Parks?				✓
Other public facilities?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

The project would 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:

Fire Protection: The project is located in the Cottonwood Fire Protection District and is not located in a "VERY HIGH" or "HIGH" fire hazard severity zone. The project site and the surrounding area is pastureland irrigated by the Anderson-Cottonwood Irrigation District.

Police Protection: The County has a total of 147 sworn and 119 non-sworn County peace officers (Sheriff's deputies) for the County population of 67,274 (California Department of Finance 2015) persons in the unincorporated area of the County. That is a ratio of one officer per 267 persons. The project will result in two additional residences, with an additional population of about five persons. This is not considered a significant number to warrant any additional sworn or non-sworn peace officers.

Schools: The resultant development from the project will be required to pay the amount allowable per square foot of construction to mitigate school impacts.

Parks: The County does not have a neighborhood parks system.

Other public facilities: The project site and the surrounding area is pastureland irrigated by the Anderson-Cottonwood Irrigation District, however the proposed project would have no impact on this District.

Mitigation/Monitoring: None proposed.

XIV. <u>RECREATION</u> :	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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?				✓
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?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would 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. The County does not have a neighborhood or regional parks system or other recreational facilities.
- b) The project would not include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment. School facilities are typically used for sports and recreation. The City of Redding also has a number of recreational facilities. In addition, there are tens of thousands of acres of rivers, lakes, forests, and other public land available for recreation in Lassen National Park, the Shasta and Whiskeytown National Recreation Areas, the National Forests, and other public land administered by Bureau of Land Management.

Mitigation/Monitoring: None proposed.

XV. <u>TRANSPORTATION/TRAFFIC</u> : Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume-to-capacity ratio on roads, or congestion at intersections)?			✓	
b) Exceed, either individually or cumulatively, a level of service standard established by the County congestion management agency for designated roads or highway?			✓	
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?				✓
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?				✓
e) Result in inadequate emergency access?				✓
f) Result in inadequate parking capacity?				✓
g) Conflict with adopted policies, plans or programs supporting alternative transportation (e.g. bus turnouts, bicycle racks)?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not cause an increase in traffic which is substantial in relation to the existing traffic load and capacity of the Initial Study – Parcel Map 16-006 – Munson

street system. The project will result in the construction of up to five additional single-family residences, which would be expected to generate about ten vehicle trips per day, per residence. The project would not generate enough traffic to significantly reduce the volume-to-capacity ratio of adjacent roadways to a reduced level of service.

- b) The project would not exceed, either individually or cumulatively, a level-of-service standard established by the County congestion management agency for designated roads or highway. There is no County congestion management agency, and no level-of-service established by such an agency.
- c) The project would not result in a change in air traffic patterns. The project would result in the construction of single-family residences which would not affect air traffic patterns.
- d) The project would not substantially increase hazards due to a design feature or incompatible uses.
- e) The project would not result in inadequate emergency access. Emergency access to the project is provided by Black Lane. The project has been reviewed by the Cotton Fire Protection District which has determined that there is adequate emergency access. They have recommended approval of an exception to Section 6.11.1 of the County Fire Safety Standards.
- f) The project would not result in inadequate parking capacity. There is more than adequate parking available for on-site parking.
- g) The project would not conflict with adopted policies, plans or programs supporting alternative transportation. The project is consistent with the Shasta County General Plan Circulation Element policies for transit and pedestrian bicycle modes, the 1998 Shasta County Bikeway Plan, and with the Regional Transportation Plan.

Mitigation/Monitoring: None proposed.

XVI. UTILITIES AND SERVICE SYSTEMS: Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?			✓	
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?			✓	
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?				✓
d) Have sufficient water supplies available to serve the project which serves or may serve the project from existing entitlements and resources, or are new or expanded entitlements needed?				✓
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?			✓	
f) Be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs?				✓
g) Comply with Federal, State, and local statutes and regulations related to solid waste?				✓

Discussion: Based on the related documents listed in the Sources of Documentation for Initial Study Checklist, staff review of the project, observations on the project site and in the vicinity, the following findings can be made:

- a) The project would not exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board. The project will be served by the County Community Service Area (CSA) No. 17 wastewater treatment system which is in compliance with Federal, State, and local statutes and regulations related to water quality.

- b) The project would not 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. The project will be served by individual wells. Well log data from the vicinity indicates that there is sufficient groundwater to serve the project.

The project will be served by the County Community Service Area No. 17 wastewater treatment system. The CSA has indicated that it has adequate capacity to serve the project without the need for construction of new wastewater treatment facilities, or expansion of existing facilities.

- c) The project would not 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. This is a rural large-lot land division that does not require any drainage facilities.
- d) The project would have sufficient water supplies available to serve the project which serves or may serve the project from existing entitlements and resources, nor are new or expanded entitlements needed. The project will be served by individual wells. Well log data from the vicinity indicates that there is sufficient groundwater to serve the project.
- e) The project would 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. The project will be served by the County Community Service Area No. 17 wastewater treatment system. The CSA has indicated that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments.
- f) The project would be served by a landfill with sufficient permitted capacity to accommodate the project's solid waste disposal needs. The West Central Landfill has sufficient capacity to accommodate the additional residence and is in compliance with Federal, State, and local statutes and regulations related to solid waste.
- g) The project would comply with Federal, State, and local statutes and regulations related to solid waste. The project will not generate any solid waste other than common household waste. Recycling facilities are available in the major shopping areas available to the project site.

Mitigation/Monitoring: None proposed.

XVII. <u>MANDATORY FINDINGS OF SIGNIFICANCE:</u>	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
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 the 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?				✓
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)?				✓
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?				✓

Discussion:

- a) Based on the discussion and findings in Section IV. Biological Resources, there is no evidence to support a finding that the project would 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 the self-sustaining levels, threaten to eliminate a plant or animal community, or reduce the number or restrict the range of a rare or endangered plant or animal.

Based on the discussion and findings in Section V. Cultural Resources, there is no evidence to support a finding that the project would have the potential to eliminate important examples of the major periods of California history or prehistory.

- b) Based on the discussion and findings in all Sections above, there is no evidence to suggest that the project would have impacts that

are cumulatively considerable.

- c) Based on the discussion and findings in all Sections above, there is no evidence to support a finding that the project would have environmental effects which would cause substantial adverse effects on human beings, either directly or indirectly.

Mitigation/Monitoring: None proposed.

INITIAL STUDY COMMENTS
PARCEL MAP 16-006 - MUNSON

GENERAL COMMENTS:

Special Studies: The following project-specific studies have been completed for the proposal and will be considered as part of the record of decision for the Negative Declaration. These studies are available for review through the Shasta County Planning Division.

1. Munson Parcel Split, Archeological Reconnaissance Report (ARR), prepared by Julie Cassidy, Archeologist, MA, dated November 2, 2016.

Agency Referrals: Prior to an environmental recommendation, referrals for this project were sent to agencies thought to have responsible agency or reviewing agency authority. The responses to those referrals (attached), where appropriate, have been incorporated into this document and will be considered as part of the record of decision for the Negative Declaration. Copies of all referral comments may be reviewed through the Shasta County Planning Division. To date, referral comments have been received from the following State agencies or any other agencies which have identified CEQA concerns:

1. Northeast Center of the California Historical Resources Information System

Conclusion/Summary: Based on a field review by the Planning Division and other agency staff, early consultation review comments from other agencies, information provided by the applicant, and existing information available to the Planning Division, the project, is not anticipated to result in any significant environmental impacts.

SOURCES OF DOCUMENTATION FOR INITIAL STUDY CHECKLIST

All headings of this source document correspond to the headings of the initial study checklist. In addition to the resources listed below, initial study analysis may also be based on field observations by the staff person responsible for completing the initial study. Most resource materials are on file in the office of the Shasta County Department of Resource Management, Planning Division, 1855 Placer Street, Suite 103, Redding, CA 96001, Phone: (530) 225-5532.

GENERAL PLAN AND ZONING

1. Shasta County General Plan and land use designation maps.
2. Applicable community plans, airport plans and specific plans.
3. Shasta County Zoning Ordinance (Shasta County Code Title 17) and zone district maps.

ENVIRONMENTAL IMPACTS

I. AESTHETICS

1. Shasta County General Plan, Section 6.8 Scenic Highways, and Section 7.6 Design Review.
2. Zoning Standards per Shasta County Code, Title 17.

II. AGRICULTURAL RESOURCES

1. Shasta County General Plan, Section 6:1 Agricultural Lands.
2. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.

III. AIR QUALITY

1. Shasta County General Plan Section, 6.5 Air Quality.
2. Northern Sacramento Valley Air Basin, 2006 Air Quality Attainment Plan.
3. Records of, or consultation with, the Shasta County Department of Resource Management, Air Quality Management District.

IV. BIOLOGICAL RESOURCES

1. Shasta County General Plan, Section 6.2 Timberlands, and Section 6.7 Fish and Wildlife Habitat.
2. Designated Endangered, Threatened, or Rare Plants and Candidates with Official Listing Dates, published by the California Department of Fish and Wildlife.
3. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.
4. Federal Listing of Rare and Endangered Species.
5. Shasta County General Plan, Section 6.7 Fish and Wildlife Habitat.
6. State and Federal List of Endangered and Threatened Animals of California, published by the California Department of Fish and Wildlife.
7. Natural Diversity Data Base Records of the California Department of Fish and Wildlife.

V. CULTURAL RESOURCES

1. Shasta County General Plan, Section 6.10 Heritage Resources.
2. Records of, or consultation with, the following:
 - a. The Northeast Information Center of the California Historical Resources Information System, Department of Anthropology, California State University, Chico.
 - b. State Office of Historic Preservation.
 - c. Local Native American representatives.
 - d. Shasta Historical Society.

VI. GEOLOGY AND SOILS

1. Shasta County General Plan, Section 5.1 Seismic and Geologic Hazards, Section 6.1 Agricultural Lands, and Section 6.3 Minerals.
2. County of Shasta, Erosion and Sediment Control Standards, Design Manual
3. Soil Survey of Shasta County Area, California, published by U.S. Department of Agriculture, Soil Conservation Service and Forest Service, August 1974.
4. Alquist - Priolo, Earthquake Fault Zoning Maps.

VII. HAZARDS AND HAZARDOUS MATERIALS

1. Shasta County General Plan, Section 5.4 Fire Safety and Sheriff Protection, and Section 5.6 Hazardous Materials.
2. County of Shasta Multi-Hazard Functional Plan
3. Records of, or consultation with, the following:
 - a. Shasta County Department of Resource Management, Environmental Health Division.
 - b. Shasta County Fire Prevention Officer.
 - c. Shasta County Sheriff's Department, Office of Emergency Services.

- d. Shasta County Department of Public Works.
- e. California Environmental Protection Agency, California Regional Water Quality Control Board, Central Valley Region.

VIII. HYDROLOGY AND WATER QUALITY

1. Shasta County General Plan, Section 5.2 Flood Protection, Section 5.3 Dam Failure Inundation, and Section 6.6 Water Resources and Water Quality.
2. Flood Boundary and Floodway Maps and Flood Insurance Rate Maps for Shasta County prepared by the Federal Emergency Management Agency, as revised to date.
3. Records of, or consultation with, the Shasta County Department of Public Works acting as the Flood Control Agency and Community Water Systems manager.

IX. LAND USE AND PLANNING

1. Shasta County General Plan land use designation maps and zone district maps.
2. Shasta County Assessor's Office land use data.

X. MINERAL RESOURCES

1. Shasta County General Plan Section 6.3 Minerals.

XI. NOISE

1. Shasta County General Plan, Section 5.5 Noise and Technical Appendix B.

XII. POPULATION AND HOUSING

1. Shasta County General Plan, Section 7.1 Community Organization and Development Patterns.
2. Census data from U.S. Department of Commerce, Bureau of the Census.
3. Census data from the California Department of Finance.
4. Shasta County General Plan, Section 7.3 Housing Element.
5. Shasta County Department of Housing and Community Action Programs.

XIII. PUBLIC SERVICES

1. Shasta County General Plan, Section 7.5 Public Facilities.
2. Records of, or consultation with, the following:
 - a. Shasta County Fire Prevention Officer.
 - b. Shasta County Sheriff's Department.
 - c. Shasta County Office of Education.
 - d. Shasta County Department of Public Works.

XIV. RECREATION

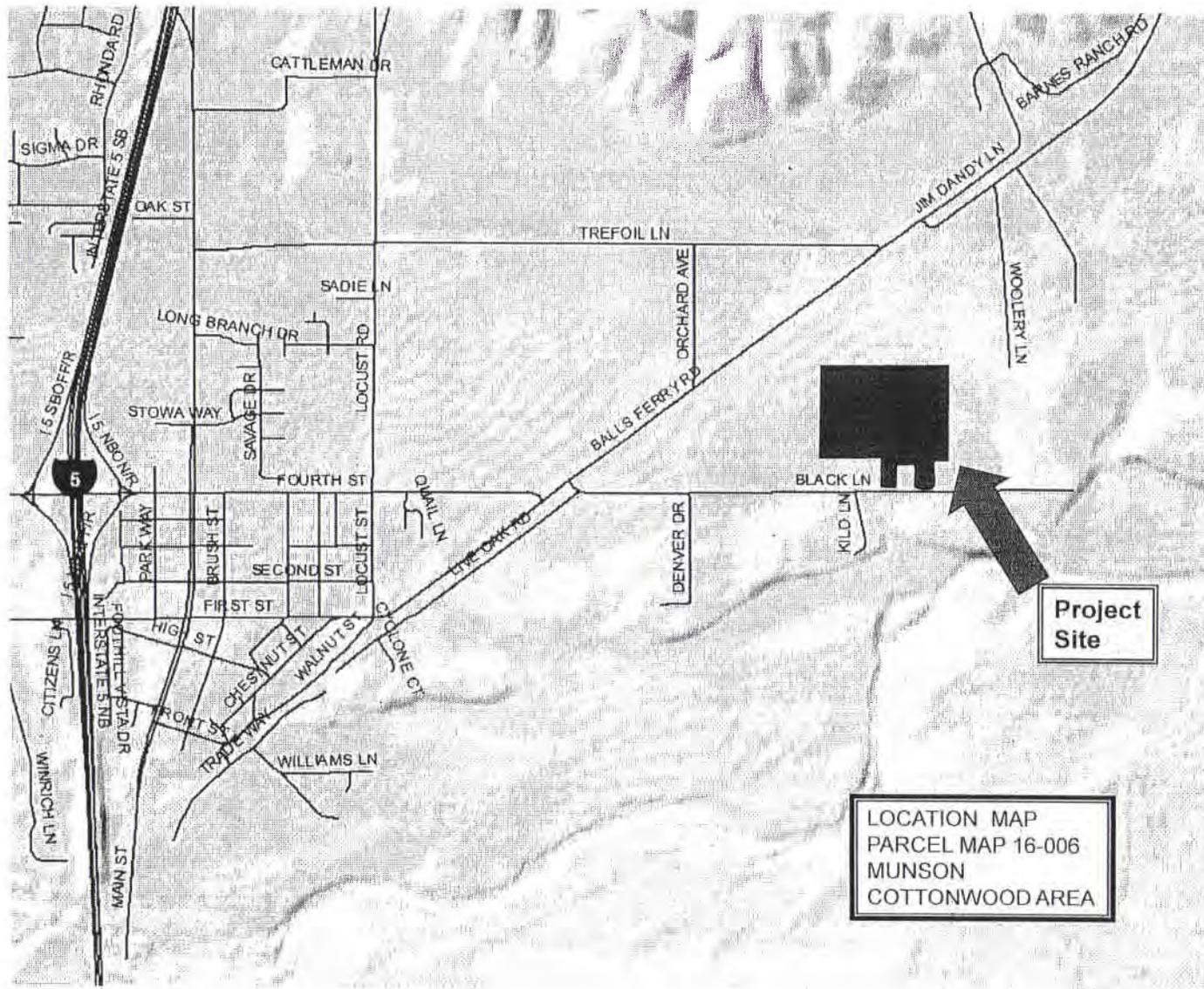
1. Shasta County General Plan, Section 6.9 Open Space and Recreation.

XV. TRANSPORTATION/TRAFFIC

1. Shasta County General Plan, Section 7.4 Circulation.
2. Records of, or consultation with, the following:
 - a. Shasta County Department of Public Works.
 - b. Shasta County Regional Transportation Planning Agency.
 - c. Shasta County Congestion Management Plan/Transit Development Plan.
3. Institute of Transportation Engineers, Trip Generation Rates.

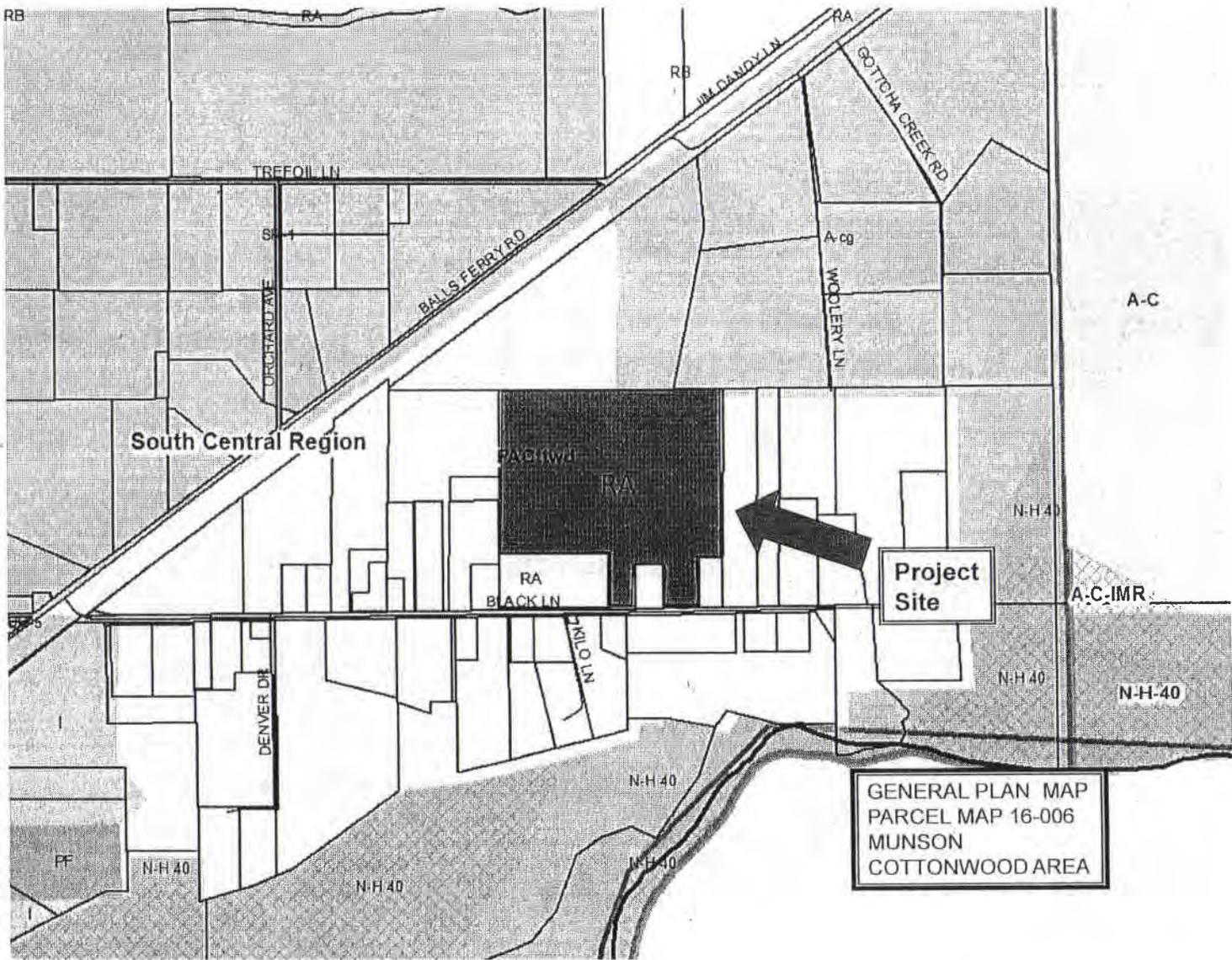
XVI. UTILITIES AND SERVICE SYSTEMS

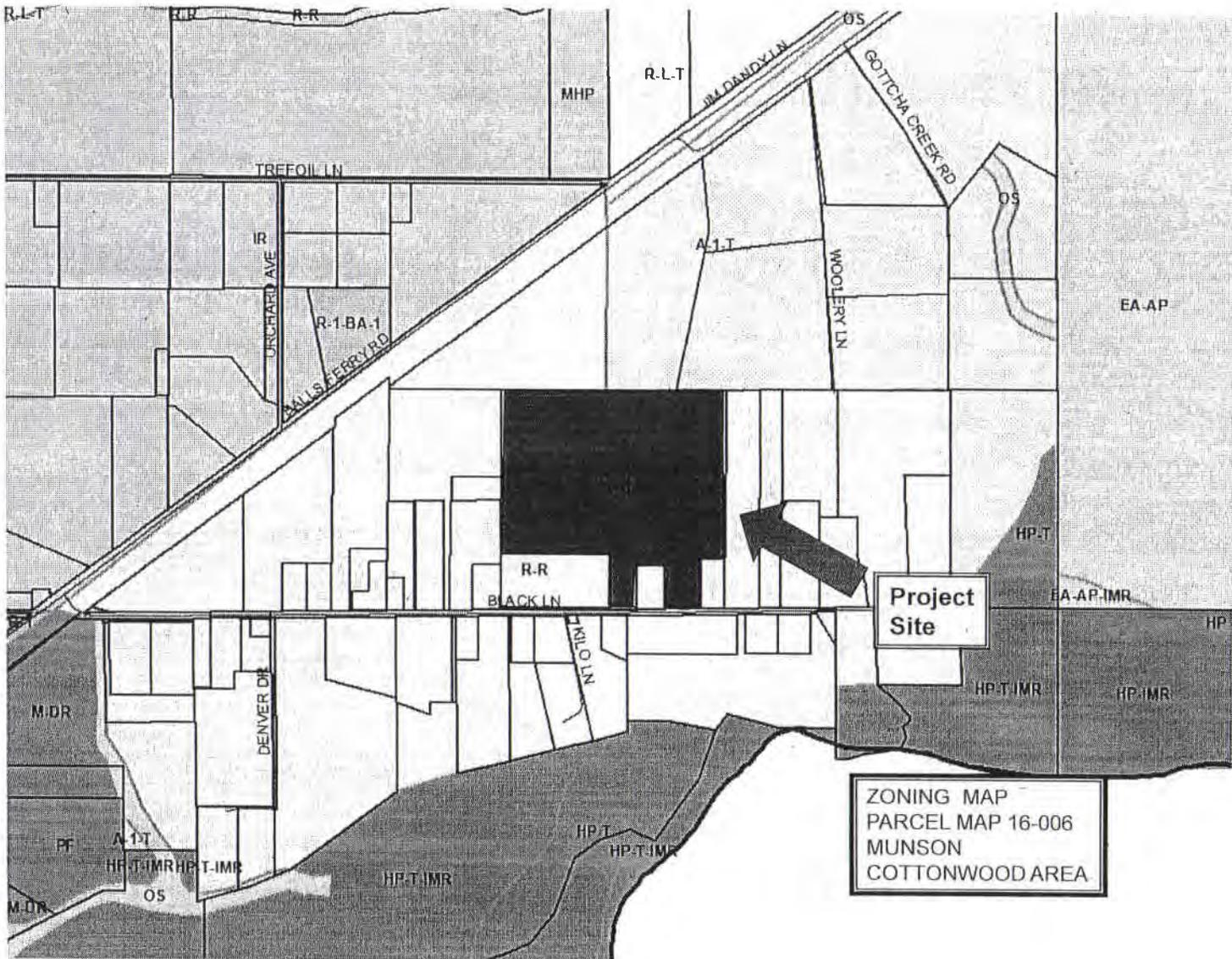
1. Records of, or consultation with, the following:
 - a. Pacific Gas and Electric Company.
 - b. Pacific Power and Light Company.
 - c. Pacific Bell Telephone Company.
 - d. Citizens Utilities Company.
 - e. T.C.I.
 - f. Marks Cablevision.
 - g. Shasta County Department of Resource Management, Environmental Health Division.
 - h. Shasta County Department of Public Works.



Project Site

LOCATION MAP
PARCEL MAP 16-006
MUNSON
COTTONWOOD AREA

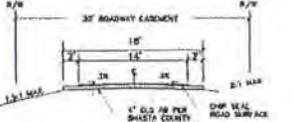
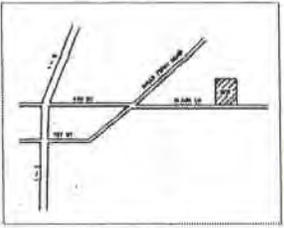




ZONING MAP
PARCEL MAP 16-006
MUNSON
COTTONWOOD AREA



NOTE: ALL INFORMATION SHOWN IS BASED ON RECORD INFORMATION ONLY AND NOT A FIELD SURVEY



EXISTING BUILDING A - 5,000 FT²
EXISTING BUILDING B - 2,000 FT²

OWNER
JASON MUNSON
MUNSON PUMP SERVICES
PO BOX 639
COTTONWOOD, CA 96022
(530) 368-1163

ENGINEER
DUANE K. MILLER
CIVIL ENGINEER, INC.
6172 MEISTER WAY, UNIT 1
PO BOX 1307
ANDERSON, CA 96007

PROJECT ADDRESS
21528 BLACK LANE

APN
098-320-016

TOTAL AREA
33.2 ACRES

ZONING
R-R-RURAL RESIDENTIAL

GENERAL PLAN
RA-RURAL RESIDENTIAL A

SEWER
CBA 17

TENTATIVE PARCEL MAP

EXHIBIT "A"
PARCEL MAP 16-006
MUNSON
COTTONWOOD AREA

FOR
JASON MUNSON
BY
DUANE K. MILLER
CIVIL ENGINEER, INC.
6172 MEISTER WAY, UNIT 1
PO BOX 1307
ANDERSON, CA 96007
Phone: 530-365-9610
Fax: 530-365-0651
DKMCH@COM

OCTOBER 11, 2018

1"=100'

Northeast Center of the
California Historical Resources
Information System

BUTTE
GLENN
LASSEN
MODOC
PLUMAS
SHASTA

SIERRA
SISKIYOU
SUTTER
TEHAMA
TRINITY

123 West 6th Street, Suite 100
Chico CA 95928
Phone (530) 898-6256
neinfocntr@csuchico.edu

September 20, 2016

Shasta County Department of Resource Management
Planning Division
1855 Placer Street, Suite 103
Redding, CA 96001
Attn.: Mr. Bill Walker

RECEIVED
SHASTA COUNTY

SEP 26 2016

DEPT OF RESOURCE MGMT
PLANNING DIVISION

I.C. File # A16-6
Project Review

RE: PM16-006/Munson Family Trust/APN 088-320-016
T29N, R4W, Sections 1 & 6
USGS Cottonwood 7.5' and Anderson (1947) 15' quads
33 acres (Shasta County)

Dear Mr. Walker,

In response to your request, a project review for the project cited above was conducted by examining the official maps and records for archaeological sites and surveys in Shasta County.

RESULTS:

Prehistoric Resources: According to our records, no sites of this type have been recorded in the project area. However, two sites of this type have been recorded in the project vicinity consisting of lithic scatters, a projectile point, scrapers, cores, core tools, groundstone, groundstone fragments, fire-cracked rock, freshwater clam shell, and middens. The project area is in a boundary region utilized by Wintu, Yana, and Nomlaki populations. Unrecorded prehistoric cultural resources may be located in the project area.

Historic Resources: According to our records, no sites of this type have been recorded within the project area. However, seven sites of this type have been recorded within the project vicinity consisting of a foundation, a single family home, orchards, the Central & Southern Pacific Railroads, the Anderson Cottonwood Irrigation District Canal, a bridge, transmission lines and towers, and historic refuse deposits. Unrecorded historic cultural resources may be located in the project area.

The USGS Cottonwood 7.5' and Anderson (1947) 15' quad maps indicate that the project area is located in Cottonwood and that a transmission line, road, stream, and structures are located in the project area, while the Southern Pacific Railroad, Panorama Point, Anderson Cottonwood Canal, Tehama County line, Cottonwood Creek, transmission lines, gaging station, marshes, aqueducts, streams, roads, and structures are located in the project vicinity.

The project is located in the historic Cottonwood gold mining district. The nearby Anderson Cottonwood Irrigation District Canal is currently listed as a Point of Historical Interest. Additionally, the Cottonwood Historic District is listed in the California Inventory of Historic Places as well as the National Register of Historic Places. Numerous properties in Cottonwood and its vicinity are listed in the Historic Properties Directory. A copy of this list is enclosed. Additionally, a copy of the historic Red Bluff quad (1894) is enclosed depicting Cottonwood, Cottonwood Creek, and the Oregon Division Central Pacific Railroad near the project area.

Previous Archaeological Investigations: According to our records, a portion of the project area has been previously surveyed for cultural resources by a professional archaeologist. The study is listed below.

Offermann, Janis K. and Robert I. Orlins (California Archaeological Consultants, Inc.)
1980 *An Archaeological Survey of the Cottonwood-Elverta # 3 Transmission Line in Shasta, Tehama, and Butte Counties, California.*

NEIC Report 000407

Resources:

P-04-000518 (CA-BUT-000518)
P-04-000560 (CA-BUT-000560)
P-04-000711 (CA-BUT-000711)
P-52-000637 (CA-TEH-000637)
P-52-000639 (CA-TEH-000639)
P-52-000640 (CA-TEH-000640)
P-52-000641 (CA-TEH-000641)
P-52-000998 (CA-TEH-000998)
P-52-000999 (CA-TEH-000999)
P-52-001000 (CA-TEH-001000)
P-52-001001 (CA-TEH-001001)
P-52-001002 (CA-TEH-001002)

Literature Search: Reviewed were the official records and maps for archaeological sites and surveys in Shasta County. Also reviewed were the **National Register of Historic Places - Listed Properties and Determined Eligible Properties** (2012), **California Register of Historical Resources** (2012), **California Points of Historical Interest** (2012), **California Historical Landmarks** (2012), **Historic Spots in California** (1966), **Handbook of North American Indians, Volume 8, California** (1978), and **Directory of Properties in the Historic Property Data File for Shasta County** (2012) **Dictionary of Early Shasta County History** (1991).

RECOMMENDATIONS:

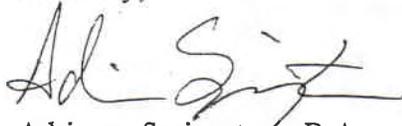
Based upon the above information, the project appears to be located in an area considered to be sensitive for prehistoric and historical resources. The project area is located in a region utilized by prehistoric and historic populations. Wintu, Yana, and Nomlaki populations used the local region for seasonal and/or permanent settlement, as well as for the gathering of plants, roots, seeds, and hunting waterfowl and game. Historically, the region was utilized for agriculture, gold mining, and transportation.

Therefore, because the entire project area has not been previously surveyed and because the previous survey is more than ten years old, we recommend that a professional archaeologist be contacted to conduct a cultural resources survey and review of the project area. In addition, the existing structures should be evaluated for potential historical significance. The project archaeologist will be able to offer recommendations for protection or mitigation of previously recorded sites as well as any new cultural resources that may be encountered as a result of the cultural resource survey. The project archaeologist should also contact the appropriate local Native American representatives for information regarding traditional cultural properties that may be located within project boundaries for which we have no records. This person may also want to consult historic General Land Office (GLO) plat maps in order to aid in the identification of unrecorded historic sites, which may be located within project boundaries. A list of qualified consultants is available online at www.chrisinfo.org/.

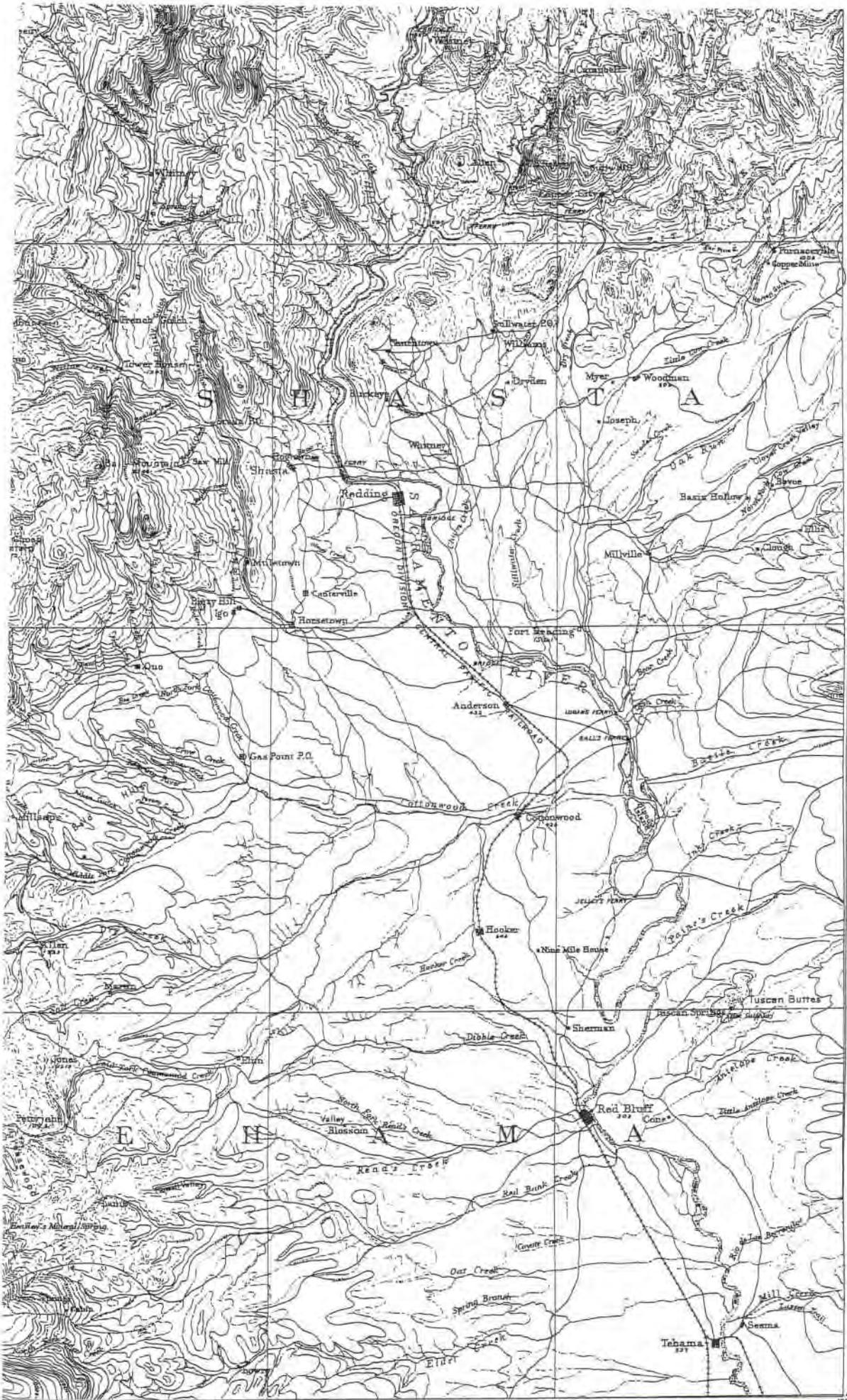
During any phase of project activities, if any potential prehistoric, protohistoric, and/or historic cultural resources are encountered, all work should cease in the area of the find pending an examination of the site and materials by the project archaeologist. This request to cease work in the area of a potential cultural resource find should be made a condition of project approval. This condition is intended for accidental discoveries made during construction activities, and does not replace the need for a Phase I investigation that assists planners and developers in meeting California Environmental Quality Act (CEQA) obligations during the Initial Study planning phase. The recommendation for a Phase I Cultural Resource Evaluation enables the lead agency to fulfill their obligations under CEQA to identify potentially significant historical resources. A Phase I investigation includes background research (record search), a field inspection, and report documenting the presence or absence of prehistoric or historic features, buildings, or archaeological sites. If potentially significant sites are identified during the Phase I investigation, further work may be necessary to determine site significance as well as appropriate protection or mitigation measures.

The fee for this project review is \$75.00 (1 hour Project Review Time @ \$75.00 per hour). Payment for this project review was received on September 15, 2016 (Check # 7285). Thank you for your dedication in preserving Shasta County's and California's irreplaceable cultural heritage, and please feel free to contact us if you have any questions or need any further information or assistance.

Sincerely,

A handwritten signature in cursive script, appearing to read "Ad. Springsteen".

Adrienne Springsteen, B.A.
Research Assistant



(Insert Peak)

Scale 1:50,000
 Contour Interval 200 feet

Edition of Sept. 1894.

Red Bluff