

**ARBORIST REPORT  
AND  
TREE INVENTORY SUMMARY**

**5460 KING ROAD PROJECT SITE  
Town of Loomis, California**

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**December 22, 2017**

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- A. Tree Inventory Summary (sorted by tree number)
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## **COPYRIGHT STATEMENT**

This consultant's report, dated December 22, 2017, is for the exclusive and confidential use of Area West Environmental, Inc. concerning potential development of 5460 King Road Project Site, located in the Town of Loomis, California. Any use of this report, the accompanying appendices, or portions thereof, other than for project review and approval by appropriate governmental authorities, shall be subject to and require the written permission of Acorn Arboricultural Services, Inc.. Unauthorized modification, distribution and/or use of this report, including the data or portions thereof contained within the accompanying appendices, is strictly prohibited.

## **QUALIFICATION STATEMENT**

Acorn Arboricultural Services, Inc. is a fully insured, Roseville-based arboriculture consulting firm founded by its Principal, Jay Bate. Edwin E. Stirtz is an ISA Certified Arborist and a member of the American Society of Consulting Arborists and International Society of Arboriculture. Mr. Stirtz possesses in excess of 30 years of experience in horticulture and arboriculture, both maintenance and construction, and has spent the last 23 years as a consulting and preservation specialist in the Sacramento and surrounding regions.



## **INTRODUCTION**

Acorn Arboricultural Services, Inc. is pleased to present this Arborist Report and Tree Inventory Summary for the trees located within and/or overhanging the property located at the 5460 King Road in the Town of Loomis, California. This Arborist Report and Tree Inventory Summary memorializes tree data obtained by Edwin E. Stirtz, ISA Certified Arborist WE-0510A, at the time of field reconnaissance and inventory efforts on December 7, 2017.

## **SCOPE OF INVENTORY EFFORT**

The Town of Loomis has enacted a Tree Preservation and Protection Ordinance which regulates both the removal of “protected trees” and the encroachment of construction activities within their driplines. Chapter 13.54 of the Town of Loomis Municipal Code requires as an element of a tree permit application preparation of a site plan which depicts, among other things, the location and protected zones for each protected tree on the proposed project site, and further requires an inventory and preparation of an Arborist Report which includes specific data for the protected trees within the project boundaries. The code defines “protected trees” as:

“any native oak tree with a trunk that is a minimum of 6 inches in diameter as measured at breast height (DBH) for Interior Live Oak, Valley Oak, and Oracle Oak and 4 inches DBH for Blue Oak; any oak tree with multiple trunks that have an aggregate DBH of at least 10 inches, or any Heritage Tree. This also includes any trees preserved or replanted pursuant to Chapter 13.54.090, except for Exempt Trees and those classified as invasive species by the California Invasive Pest Council, Cal-IPC ([cal-ipc.org](http://cal-ipc.org)) and non-native trees listed as not to be planted on Town-owned property in the Master Tree List.”

At the request of Area West Environmental, Inc., on December 7, 2017, Edwin E. Stirtz of Acorn Arboricultural Services, Inc. visited the 5460 King Road Project Site, located in the Town of Loomis, California. The purpose of this field reconnaissance effort was to identify, inventory, and comment upon the current structure and vigor of the “protected trees” located within and/or overhanging the proposed project area.

The Tree Inventory Summary presents information concerning the species, size, and current condition of the “protected trees” within and/or overhanging the proposed project area, along with pre-development recommendations on a tree-by-tree basis which logically follow the characteristics noted within the trees at the time of field inventory efforts. Information concerning the nature and extent of root system and canopy impacts which will be sustained by the trees from proposed development activities, along with specific tree-by-tree mitigation recommendations for the trees which will sustain encroachment into their protected root

zones can be provided in a Supplemental Arborist Report and Construction Impact Assessment once development plans have been refined and finalized for the proposed project area if requested by the Town of Loomis.

## **METHODOLOGY**

During field reconnaissance and inventory efforts, Edwin E. Stirtz of Acorn Arboricultural Services, Inc. conducted a visual review from ground level of the trees within and/or overhanging the proposed work area as detailed in the Tentative Parcel Map provided by Area West Engineers. The trees which met the defined criteria were identified in the field by affixing round tags with blue flagging to the tree trunks, except adjacent to the new house. The tree numbers utilized in this report and accompanying Tree Inventory Summary correspond to the tree tags which were affixed to the trees in the field, and those tree numbers or grouping of numbers were rough-plotted on the attached Tree Inventory Exhibit for reference.

At the time of field identification and inventory efforts, specific data was gathered for each tagged tree including the species, diameter measured at breast height ("DBH"), and dripline radius ("DLR"). Utilizing this data, the tree's overall structural condition and vigor were separately assessed, ranging from "excellent"<sup>1</sup> to "poor" based upon the observed characteristics noted within the tree and the Arborist's best professional judgment. Ratings are subjective and are dependent upon both the structure and vigor of the tree. The vigor rating considers factors such as the size, color, and density of the foliage; the amount of deadwood within the canopy; bud viability; evidence of wound closure; and the presence or evidence of stress, disease, nutrient deficiency and insect infestation. The structural rating reflects the root crown/collar, trunk and branch configurations; canopy balance; the presence of included bark, weak crotches and other structural defects and decay and the potential for structural failure. Finally, notable characteristics were documented and recommendations on a tree-by-tree basis were made which logically followed the observed characteristics noted within the trees at the time of the field inventory effort. The recommendations are based on the assumption that the tree would be introduced into a developed environment and may require maintenance and/or may not be suitable for retention within a post-development setting.

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<sup>1</sup> It is rare that a tree qualifies in an "excellent" category, and it should be noted that there were no trees observed within the project area which fell within the criteria of an "excellent" or "good" rating. A complete description of the terms and ratings utilized in this report and accompany inventory summary are found on pages 9-10.

### **SUMMARY OF INVENTORY EFFORT**

Field reconnaissance and inventory efforts found 86 trees measuring 4 inches in diameter and larger measured at breast height within and/or overhanging the proposed project area. Composition of the 86 inventoried trees includes the following species and accompanying aggregate diameter inches:

SPECIES DIVERSIFICATION			
Black Walnut	=	1 tree	(14 aggregate diameter inches)
Blue Oak	=	3 trees	(53 aggregate diameter inches)
California Palm	=	2 trees	(30 aggregate diameter inches)
California Sycamore	=	2 trees	(58 aggregate diameter inches)
California Walnut	=	1 tree	(20 aggregate diameter inches)
Chinese Tallow	=	4 trees	(55 aggregate diameter inches)
English Walnut	=	1 tree	(39 aggregate diameter inches)
Foothill Pine	=	2 trees	(29 aggregate diameter inches)
Fremont Cottonwood	=	7 trees	(121 aggregate diameter inches)
Fruitless Pear	=	1 tree	(16 aggregate diameter inches)
Incense Cedar	=	1 tree	(52 aggregate diameter inches)
Interior Live Oak	=	22 trees	(478 aggregate diameter inches)
Mulberry	=	1 tree	(17 aggregate diameter inches)
Pacific Willow	=	1 tree	(15 aggregate diameter inches)
Pecan	=	5 trees	(45 aggregate diameter inches)
Pin Oak	=	3 trees	(49 aggregate diameter inches)
Raywood Ash	=	1 tree	(18 aggregate diameter inches)
Silver Maple	=	2 trees	(60 aggregate diameter inches)
Stone Pine	=	1 tree	(49 aggregate diameter inches)
Tulip Tree	=	1 tree	(15 aggregate diameter inches)
Valley Oak	=	24 trees	(369 aggregate diameter inches)
<b>TOTAL</b>	=	<b>86 trees</b>	<b>(1,602 aggregate diameter inches)</b>

### **Recommended Removals**

At this time, 13 trees have been recommended for removal from the proposed project area due to the nature and extent of defects, compromised health, and/or structural instability noted at the time of field inventory efforts. If these trees were retained within the proposed project area it is our opinion that they may be hazardous depending upon their proximity to planned development activities. For reference, the trees which have been recommended for removal due to the severity of noted defects, compromised health and/or structural instability are highlighted in green within the accompanying Tree Inventory Summary and are briefly summarized as follows:

Area West Environmental, Inc.  
5460 King Road Project Site  
Arborist Report & Tree Inventory Summary  
December 22, 2017

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT	
						STRUCTURE	VIGOR
135	Valley Oak	<i>(Quercus lobata)</i>		23	30	Poor to fair	Fair
136	Foothill Pine	<i>(Pinus sabiniana)</i>		16	22	Poor to fair	Fair
138	Interior Live Oak	<i>(Quercus wislizeni)</i>	5,10	15	17	Poor to fair	Fair
145	Foothill Pine	<i>(Pinus sabiniana)</i>		13	15	Poor to fair	Fair
150	Interior Live Oak	<i>(Quercus wislizeni)</i>	5,6,6	17	21	Poor	Fair
152	Interior Live Oak	<i>(Quercus wislizeni)</i>		6	8	Poor	Fair
153	Pecan	<i>(Carya illinoensis)</i>		6	15	Poor to fair	Poor to fair
155	Pecan	<i>(Carya illinoensis)</i>		7	10	Poor	Poor
156	Pacific Willow	<i>(Salix lucida)</i>		15	23	Poor	Poor to fair
165	Valley Oak	<i>(Quercus lobata)</i>		39	40	Poor	Poor
166	Pecan	<i>(Carya illinoensis)</i>		12	15	Fair	Poor to fair
175	Silver Maple	<i>(Acer saccharinum)</i>		42	32	Poor to fair	Fair
176	Interior Live Oak	<i>(Quercus wislizeni)</i>		24	2	Poor	Poor

It should also be noted that some of the trees within the proposed project area are trees which may be undesirable on residential lots, or are trees which will require periodic/seasonal monitoring to assess the trees' ongoing structural integrity. At this early stage of the project Acorn Arboricultural Services, Inc. has not recommended the removal of these trees since development plans, including proposed home sites and building footprints, have not yet been finalized and the precise location of these trees in proximity to planned improvement activities is not known. At this time it is recommended that these trees be monitored and thoroughly inspected by a qualified ISA Certified Arborist on at least an annual basis to keep abreast of the trees' changing condition(s) and to assess the trees' ongoing structural integrity and potential for hazard in a developed environment.

### **GENERAL COMMENTS AND ARBORISTS' DISCLAIMER**

The Town of Loomis regulates both the removal of "protected trees" and the encroachment of construction activities within their driplines. Therefore, a tree permit and/or additional development authorization should be obtained from the Town of Loomis prior to the removal of any trees within the proposed project area. All terms and conditions of the tree permit

and/or other Conditions of Approval are the sole and exclusive responsibility of the project applicant. It should be noted that prior to final inspection written verification from an ISA Certified Arborist may be required certifying the approved removal activities and/or implementation of other Conditions of Approval outlined for the retained trees on the site. ***Acorn Arboricultural Services, Inc. will not provide written Certification of Compliance unless we have been provided with a copy of the approved site development plans, applicable permits and/or Conditions of Approval, and are on site to monitor and observe regulated activities during the course of construction.*** Therefore, it will be necessary for the project applicant to notify Acorn Arboricultural Services, Inc. well in advance (at least 72 hours prior notice) of any regulated activities which are scheduled to occur on site so that those activities can be properly monitored and documented for compliance certification.

Please bear in mind that implementation of the recommendations provided within this report will help to reduce adverse impacts of construction on the retained trees; however, implementation of any recommendations should not be viewed as a guarantee or warranty against the trees' ultimate demise and/or failure in the future. Arborists are tree specialists who use their education, knowledge, training and experience to examine trees, recommend measures to enhance the beauty and health of the trees and ***attempt to reduce the risk of living near trees.*** Arborists cannot detect every condition that could possibly lead to the structural failure of a tree. There are some inherent risks with trees that cannot be predicted with any degree of certainty, even by a skilled and experienced arborist. Entities who choose to construct homes on wooded property are accepting a certain level of risk from unpredictable tree related hazards such as toppling in storms, limbs falling and fires that may damage property at some time in the future. Since trees are living organisms their structure and vigor constantly change over time, and they are not immune to changes in site conditions or seasonal variations in the weather. Further, conditions are often hidden within the tree and/or below ground. Arborists and other tree care professionals cannot guarantee that a tree will be healthy and/or safe under all circumstances or for a specific period of time. Likewise remedial treatments cannot be guaranteed. Trees can be managed but they cannot be controlled. To develop land and live near trees is to accept some degree of risk and the only way to eliminate all risk associated with trees would be to eliminate all of the trees. ***An entity who develops land and builds a home with a tree in the vicinity should be aware of and inform their future residents of this Arborists' Disclaimer, and be further advised that the developer and the future residents assume the risk that a tree could at any time suffer a branch and/or limb failure, blow over in a storm and/or fail for no apparent reason which may cause bodily injury or property damage.*** Acorn Arboricultural Services, Inc. cannot predict acts of nature including, without limitation, storms of sufficient strength which can even take down a tree with a structurally sound and vigorous appearance.

Finally, the trees preserved within and/or overhanging the proposed project area will experience a physical environment different from the pre-development environment. As a result, tree health and structural stability should be regularly monitored. Occasional pruning, fertilization, mulch, pest management, replanting and/or irrigation may be required. In addition, ***provisions for monitoring both tree health and structural stability following construction must be made a priority.*** As trees age, the likelihood of failure of branches or

entire trees increases. Therefore, *the future management plan must include an annual inspection* by a qualified ISA Certified Arborist to keep abreast of the trees' changing condition(s) and to assess the trees' ongoing structural integrity and potential for hazard in a developed environment.

Thank you for allowing Acorn Arboricultural Services, Inc. to assist you with this review. Please feel free to give me a call if you have any questions or require additional information and/or clarification.

Sincerely,



Edwin E. Stirtz  
International Society of Arboriculture  
Certified Arborist WE-0510A  
ISA Tree Risk Assessment Qualified  
Member, American Society of Consulting Arborists

### **ASSUMPTIONS AND LIMITING CONDITIONS**

1. Any legal description provided to the consultant is assumed to be correct. Any titles and ownership to any property are assumed to be good and marketable. No responsibility is assumed for matters legal in character. Any and all property is appraised or evaluated as though free and clear, under responsible ownership and competent management.
2. It is assumed that any property is not in violation of any applicable codes, ordinances, statutes, or other governmental regulations.
3. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
4. The consultant shall not be required to give a deposition and/or attend court by reason of this report unless subsequent contractual arrangements are made for in advance, including payment of an additional fee for such services according to our standard fee schedule, adjusted yearly, and terms of the subsequent contract of engagement.
5. Loss or alteration of any part of this report invalidates the entire report. Ownership of any documents produced passes to the Client only when all fees have been paid.
6. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant.
7. Neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales, or other media, without the prior expressed written or verbal consent of the consultant, particularly as to value conclusions, identity of the consultant, or any reference to any professional society or institute or to any initial designation conferred upon the consultant as stated in his qualifications.
8. This report and any values expressed herein represent the opinion of the consultant and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
9. Sketches, diagrams, graphs, drawings and photographs within this report are intended as visual aids and are not necessarily to scale and should not be construed as engineering or architectural reports or surveys. The reproduction of information generated by other consultants is for coordination and ease of

reference. Inclusion of such information does not constitute a representation by the consultant as to the sufficiency or accuracy of the information.

10. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without laboratory analysis, dissection, excavation, probing or coring, unless otherwise stated.
11. There is no warranty or guarantee, expressed or implied, that problems or deficiencies of the plants or property in question may not arise in the future.
12. This report is based on the observations and opinions of Edwin E. Stirtz, and does not provide guarantees regarding the future performance, health, vigor, structural stability or safety of the plants described herein. Neither this author nor Acorn Arboricultural Services, Inc. has assumed any responsibility for liability associated with the trees on or adjacent to this project site, their future demise and/or any damage which may result therefrom.
13. The information contained within this report is true to the best of the author's knowledge and experience as of the date it was prepared; however, certain conditions may exist which only a comprehensive, scientific, investigation might reveal which should be performed by other consulting professionals.
14. The legal description, dimensions, and areas herein are assumed to be correct. No responsibility is assumed for matters that are legal in nature.
15. Any changes to an established tree's environment can cause its decline, death and/or structural failure.



## **DEFINITIONS**

Tree Number:	Corresponds to aluminum tag attached to the tree.
Species Identification:	Scientific and common species name.
Diameter ("DBH"):	This is the trunk diameter measured at breast height (industry standard 4.5 feet above ground level).
Dripline radius ("DLR"):	A radius equal to the horizontal distance from the trunk of the tree to the end of the farthest most branch tip prior to any cutting. When depicted on a map, the dripline will appear as an irregularly shaped circle that follows the contour of the tree's branches as seen from overhead.
Protected Zone:	A circle equal to the largest radius of a protected tree's dripline plus 1 foot.
Root Crown:	Assessment of the root crown/collar area located at the base of the trunk of the tree at soil level.
Trunk:	Assessment of the tree's main trunk from ground level generally to the point of the primary crotch structure.
Limbs:	Assessment of both smaller and larger branching, generally from primary crotch structure to branch tips.
Foliage:	Tree's leaves.
Overall Condition:	Describes overall condition of the tree in terms of structure and vigor.
Recommendation:	Pre-development recommendations based upon observed characteristics noted at the time of the field inventory effort.
Obscured:	Occasionally some portion of the tree may be obscured from visual inspection due to the presence of dense vegetation which, during the course of inspection for the arborist report, prevented a complete evaluation of the tree. In these cases, if the tree is to be retained on site the vegetation should be removed to allow for a complete assessment of the tree prior to making final decisions regarding the suitability for retention.

### **TREE CONDITION RATING CRITERIA**

<b>RATING TERM</b>	<b>ROOT CROWN</b>	<b>TRUNK</b>	<b>LIMBS</b>	<b>FOLIAGE</b>	<b>STRUCTURE</b>	<b>VIGOR</b>
Good	No apparent injuries, decay, cavities or evidence of hollowing; no anchoring roots exposed; no indications of infestation or disease	No apparent injuries, decay, cavities or evidence of hollowing; no codominant attachments or multiple trunk attachments are observed; no indications of infestation or disease	No apparent injuries, decay, cavities or evidence of hollowing; below average amount of dead limbs or twigs; no major limb failures or included bark; callus growth is vigorous	Leaf size, color and density are typical for the species; buds are normal in size, viable, abundant and uniform throughout the canopy; annual seasonal growth increments are average or above average; no insect or disease infestations/ infections evident	No apparent structural defects; no weak crotches; no excessively weighted branches and no significant cavities or decay	Tree appears healthy and has little or no significant deadwood; foliage is normal and healthy
Fair	Small to moderate injuries, decay, cavities or hollowing may be evident but are not currently affecting the overall structure; some evidence of infestation or disease may be present but is not currently affecting the tree's structure	Small to moderate injuries, decay, cavities or hollowing may be evident; codominant branching or multiple trunk attachments or minor bark inclusion may be observed; some infestation or disease may be present but not currently affecting the tree's structure	Small to moderate injuries, decay or cavities may be present; average or above average dead limbs or twigs may be present; some limb failures or bark inclusion observed; callus growth is average	Leaf size, color and density are typical or slightly below typical for the species; buds are normal or slightly sparse with potentially varied viability, abundance and distribution throughout the canopy; annual seasonal growth increments are average or slightly below average; minor insect or disease infestation/infection may be present	Minor structural problems such as weak crotches, minor wounds and/or cavities or moderate amount of excessive weight; non-critical structural defects which can be mitigated through pruning, cabling or bracing	Tree appears stressed or partially damaged; minimal vegetative growth since previous season; moderate amount of deadwood, abnormal foliage and minor lesions or cambium dieback
Poor	Moderate to severe injuries, decay, cavities or hollowing may be evident and are affecting the overall structure; presence of infestation or disease may be significant and affecting the tree's structure	Moderate to severe injuries, decay, cavities or hollowing may be evident and are affecting the tree's structure; presence of infestation or disease may be significant and affecting the tree's structure	Severe injuries, decay or cavities may be present; major deadwood, twig dieback, limb failures or bark inclusion observed; callus growth is below average	Leaf size, color and density are obviously abnormal; buds are obviously abnormal or absent; annual seasonal growth is well below average for the species; insect or disease problems may be severe	Obvious major structural problems which cannot be corrected with mitigation; potential for major limb, trunk or root system failure is high; significant decay or dieback may be present	Tree health is declining; no new vegetative growth; large amounts of deadwood; foliage is severely abnormal

The ratings "good to fair" and "fair to poor" are used to describe trees that fall between the described major categories and have elements of both

## **GENERAL PROTECTION GUIDELINES** **FOR TREES PLANNED FOR PRESERVATION**

Great care must be exercised when work is conducted upon or around protected trees. The purpose of these General Protection Measures is to provide guidelines to protect the health of the affected protected trees. These guidelines apply to all encroachments into the protected zone of a protected tree, and may be incorporated into tree permits and/or other Conditions of Approval as deemed appropriate by the applicable governing body.

A circle with a radius measurement from the trunk of the tree to the tip of its longest limb, plus one foot, shall constitute the critical root zone protection area of each protected tree. Limbs must not be cut back in order to change the dripline. The area beneath the dripline is a critical portion of the root zone and defines the minimum protected area of each protected tree. Removing limbs that make up the dripline does not change the protected area.

Any protected trees on site which require pruning shall be pruned by an ISA Certified Arborist prior to the start of construction work. All pruning shall be in accordance with the American National Standards Institute (ANSI) A300 pruning standards, ANSI Standard 2133.1-2000 regarding safety practices, and the International Society of Arboriculture (ISA) "Tree Pruning Guidelines" and Best Management Practices.

Prior to initiating construction, temporary protective fencing shall be installed at least one foot outside the root protection zone of the protected trees in order to avoid damage to the tree canopies and root systems. Fencing shall be installed in accordance with the approved fencing plan prior to the commencement of any grading operations or such other time as determined by the review body. The developer shall contact the Project Arborist and the Planning Department for an inspection of the fencing prior to commencing construction activities on site.

Signs shall be installed on the protective fence in four (4) equidistant locations around each individual protected tree. The size of each sign must be a minimum of two (2) feet by two (2) feet and must contain the following language:

**WARNING: THIS FENCE SHALL NOT BE REMOVED OR RELOCATED  
WITHOUT WRITTEN AUTHORIZATION FROM THE TOWN OF  
LOOMIS.**

Once approval has been obtained by the Town of Loomis, protective fencing shall remain in place throughout the entire construction period and shall not be removed, relocated, taken down or otherwise modified in whole or in part without prior written authorization from the Agency, or as deemed necessary by the Project Arborist to facilitate approved activities within the root protection zone.

Any removal of paving or structures (i.e. demolition) that occurs within the dripline of a protected tree shall be done under the direct supervision of the Project Arborist. To the maximum extent feasible, demolition work within the dripline protection area of the protected tree shall be performed by hand. If the Project Arborist determines that it is not feasible to perform some portion(s) of this work by hand, then the smallest/lightest weight equipment that will adequately perform the demolition work shall be used.

No signs, ropes, cables (except those which may be installed by an ISA Certified Arborist to provide limb support) or any other items shall be attached to the protected trees. Small metallic numbering tags for the purpose of identification in preparing tree reports and inventories shall be allowed.

No vehicles, construction equipment, mobile homes/office, supplies, materials or facilities shall be driven, parked, stockpiled or located within the driplines of protected trees.

Drainage patterns on the site shall not be modified so that water collects, stands or is diverted across the dripline of any protected tree.

No trenching shall be allowed within the driplines of protected trees, except as specifically approved by the Planning Department as set forth in the project's Conditions of Approval and/or approved tree permit. If it is absolutely necessary to install underground utilities within the dripline of a protected tree the utility line within the protected zone shall be "bored and jacked" or performed utilizing hand tools to avoid root injury under the direct supervision of the Project Arborist.

Grading within the protected zone of a protected tree shall be minimized. Cuts within the protected zone shall be maintained at less than 20% of the critical root zone area. Grade cuts shall be monitored by the Project Arborist. Any damaged roots encountered shall be root pruned and properly treated as deemed necessary by the Project Arborist.

Minor roots less than one (1) inch in diameter encountered during approved excavation and/or grading activities may be cut, but damaged roots shall be traced back and cleanly cut behind any split, cracked or damaged area as deemed necessary by the Project Arborist.

Major roots greater than one (1) inch in diameter encountered during approved excavation and/or grading activities may not be cut without approval of the Project Arborist. Depending upon the type of improvement being proposed, bridging techniques or a new site design may need to be employed to protect the roots and the tree.

Cut faces, which will be exposed for more than 2-3 days, shall be covered with dense burlap fabric and watered to maintain soil moisture at least on a daily basis (or possibly more frequently during summer months). If any native ground surface fabric within the protected zone must be removed for any reason, it shall be replaced within forty-eight (48) hours.

If fills exceed 1 foot in depth up to 20% of the critical root zone area, aeration systems may serve to mitigate the presence of the fill materials as determined by the Project Arborist.

When fill materials are deemed necessary on two or three sides of a tree it is critical to provide for drainage away from the critical root zone area of the tree (particularly when considering heavy winter rainfalls). Overland releases and subterranean drains dug outside the critical root zone area and tied directly to the main storm drain system are two options.

In cases where a permit has been approved for construction of a retaining wall(s) within the protected zone of a protected tree the applicant will be required to provide for immediate protection of exposed roots from moisture loss during the time prior to completion of the wall. The retaining wall within the protected zone of the protected tree shall be constructed within seventy-two (72) hours after completion of grading within the root protection zone.

The construction of impervious surfaces within the dripline of a protected tree shall be minimized. When necessary, a piped aeration system shall be installed under the direct supervision of the Project Arborist.

Preservation devices such as aeration systems, tree wells, drains, special paving and cabling systems must be installed in conformance with approved plans and certified by the Project Arborist.

No sprinkler or irrigation system shall be installed in such a manner that sprays water or requires trenching within the dripline of a protected tree. An above ground drip irrigation system is recommended. An independent low-flow drip irrigation system may be used for establishing drought-tolerant plants within the protected zone of a protected tree. Irrigation shall be gradually reduced and discontinued after a two (2) year period.

All portions of permanent fencing that will encroach into the protected zone of a protected tree shall be constructed using posts set no closer than ten (10) feet on center. Posts shall be spaced in such a manner as to maximize the separation between the tree trunks and the posts in order to reduce impacts to the tree(s).

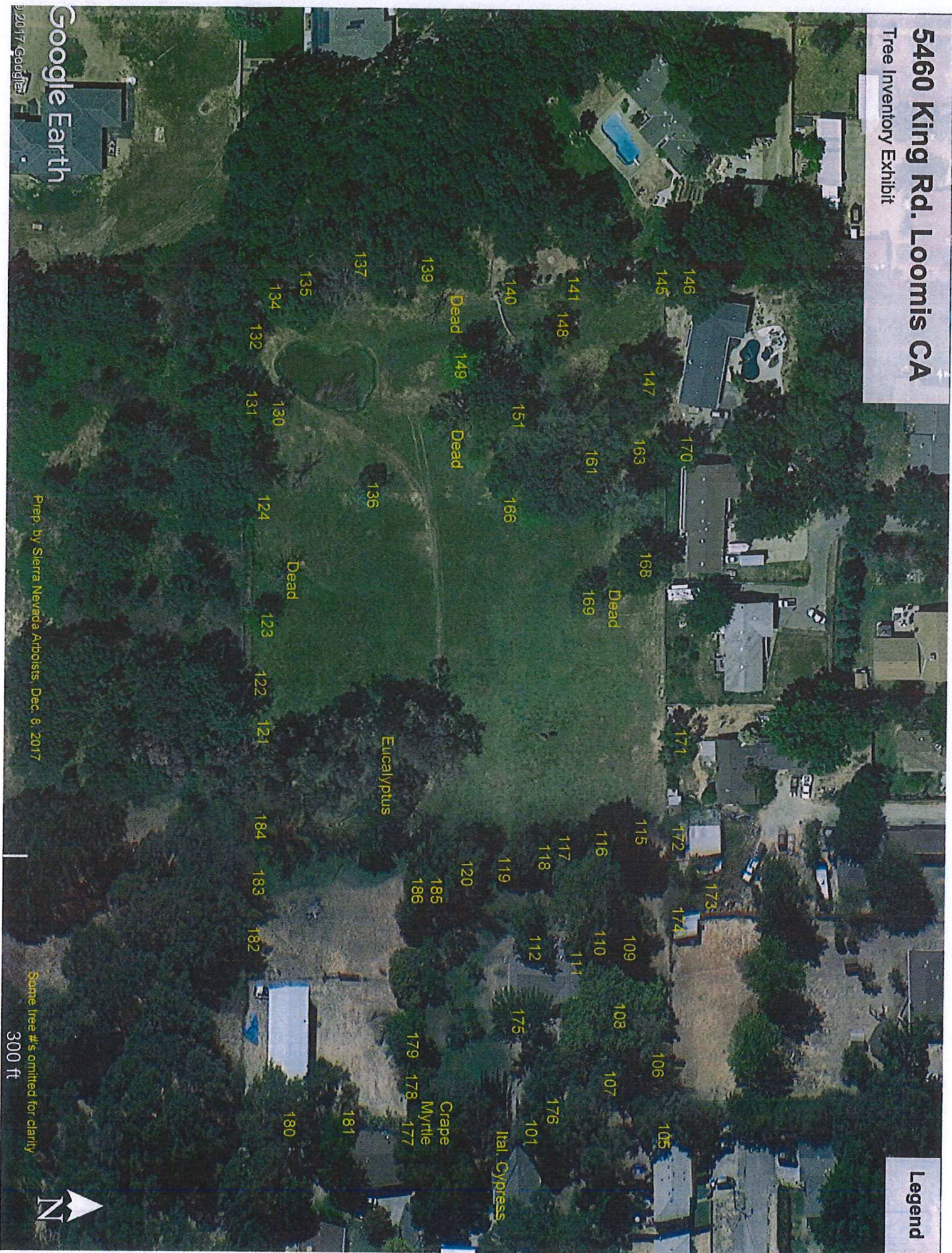
Landscaping beneath native oak trees may include non-plant materials such as bark mulch, wood chips, boulders, etc. Planting live material under protected native oak trees is generally discouraged, and is not recommended within six (6) feet of the trunk of a native oak tree with a diameter at breast height (DBH) of eighteen (18) inches or less, or within ten (10) feet of the trunk of a native oak tree with a DBH of more than eighteen (18) inches. The only plant species which shall be planted within the dripline of native oak trees are those which are tolerant of the natural, semi-arid environs of the tree(s).



# 5460 King Rd. Loomis CA

## Tree Inventory Exhibit

### Legend



Google Earth

© 2017 Google

Prep. by Sierra Nevada Arborists, Dec. 6, 2017

Some tree #'s omitted for clarity

300 ft







### Tagged Tree Locations

Area West Environmental, Inc. recorded tagged tree locations using a handheld Trimble GeoXT Global Positioning System unit with sub-meter accuracy on December 14, 2017.



**AREA WEST ENVIRONMENTAL, INC.**  
**5460 King Road Project Site**  
**Town of Loomis, California**  
**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT						VIGOR	NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE				
101	Blue Oak	( <i>Quercus douglasii</i> )		18	30	Obscured	Obscured	Poor to Fair	Fair	Fair		Fair	Tree located offsite; root collar and lower trunk are obscured by a fence; 18" pruning wound 12' above grade; tree leans southwest. Tag on fence.	None at this time.
102	Interior Live Oak	( <i>Quercus wislizeni</i> )		22	25	Obscured	Obscured	Fair	Fair	Fair		Fair	Tree located offsite, approximately 10' east of the property line; root collar and lower trunk are obscured by a fence; branches about 12' off the ground; tree leans south. Tag on fence.	None at this time.
103	Interior Live Oak	( <i>Quercus wislizeni</i> )		16	35	Obscured	Fair	Fair	Fair	Poor to fair		Fair	Tree located offsite; root collar is obscured by a fence. Tree leans and is out of balance to the west. Nesting cavity 9' above grade with decay. Tag on fence.	None at this time.
104	Blue Oak	( <i>Quercus douglasii</i> )		15	23	Obscured	Obscured (lower trunk) Fair (upper trunk)	Poor to fair	Dormant	Poor to fair		Fair	Tree located offsite, approximately 6' west of the west property line; root collar and lower trunk are obscured by a fence. Tree leans and is out of balance to the west; slightly above average amount of deadwood. Tag on fence.	None at this time.
105	California Walnut	( <i>Juglans californica</i> )	8,12	20	12	Fair	Poor to Fair	Poor to Fair	Fair	Poor to fair		Fair	Topped for utility line clearance.	Prune suckers and deadwood.
106	Silver Maple	( <i>Acer saccharinum</i> )		18	16	Fair	Fair	Fair	Dormant	Fair		Fair	10" pruning wound approximately 1' above grade, south side; minor damage to some buttress roots on the east and west sides.	None at this time.
107	California Sycamore	( <i>Platanus racemosa</i> )		30	30	Fair	Fair	Fair	Dormant	Fair		Fair		None at this time.
108	Tulip Tree	( <i>Magnolia x soulangeana</i> )		15	13	Fair	Poor to fair	Fair	Dormant	Poor to fair		Fair	Measured 3' above grade; branches about 3' above grade; trunk has creases on the west and east sides; slightly above average amount of deadwood.	Prune suckers and deadwood.
109	Incense Cedar	( <i>Calocedrus decurrens</i> )		52	30	Poor to Fair	Fair	Fair	Fair	Poor to fair		Fair	Two large callusing pruning wounds, north side, approximately 4' above grade and 7' above grade, with no evidence of decay; tree leans to the northeast.	Perform aerial inspection.
110	California Sycamore	( <i>Platanus racemosa</i> )		28	42	Poor to fair	Poor to fair	Fair	Dormant	Poor to fair		Fair	Out of balance and leaning to the southwest; 1'-2' callusing scar just above grade, north side, with no evidence of decay; girdling root, north side.	None at this time.
111	English Walnut	( <i>Juglans hindii</i> )		39	24	Poor to fair	Fair	Fair	Dormant	Poor		Fair	One large codominant stem has been pruned 5' above grade north side, with no callusing; old pruning wound 8" above grade south side and is callusing; tree is out of balance to the south and mostly overgrowing the house.	None at this time.

December 22, 2017

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Prepared by Acorn Arboricultural Services, Inc.



**AREA WEST ENVIRONMENTAL, INC.**  
**5460 King Road Project Site**  
**Town of Loomis, California**  
**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT					NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE	VIGOR	
112	Interior Live Oak	( <i>Quercus wislizeni</i> )	24,23,33	80	35	Poor to fair	Poor to fair	Poor to fair	Fair	Poor to fair	Poor to fair	Tree branches 2'-5' above grade into 3 main stems, with weak attachments; large decaying trunk wound, approximately 4' above grade and 3' high, north side, with evidence of decay and fruiting bodies; out of balance and leaning south.
113	California Palm	( <i>Washingtonia filifera</i> )		14	15	Fair	Fair	N/A	Fair	Fair	Fair	None at this time.
114	California Palm	( <i>Washingtonia filifera</i> )		16	10	Fair	Fair	N/A	Fair	Fair	Fair	None at this time.
115	Pin Oak	( <i>Quercus palustris</i> )		14	10	Fair	Fair	Fair	Dormant	Fair	Fair	None at this time.
116	Pin Oak	( <i>Quercus palustris</i> )		15	20	Fair	Fair	Fair	Fair	Fair	Fair	None at this time.
117	Pin Oak	( <i>Quercus palustris</i> )		20	24	Fair	Fair	Fair	Dormant	Fair	Fair	None at this time.
118	Chinese Tallow	( <i>Triadica sebifera</i> )	6,17	23	21	Fair	Fair	Poor to fair	Dormant	Poor to fair	Fair	Out of balance/leans west; slightly above average amount of deadwood.
119	Chinese Tallow	( <i>Triadica sebifera</i> )	5,12	17	17	Fair	Fair	Poor to fair	Dormant	Poor to fair	Fair	Above average amount of deadwood.
120	Stone Pine	( <i>Pinus pinea</i> )	20,29	49	34	Fair	Fair	Fair	Fair	Poor to fair	Poor to fair	20" stem has a severe lean to the southeast and is 80% dead; 29" stem branches again at 12' above grade into codominant stems; reaction growth evident at primary crotch due to previous split, weak attachment. (Adjacent to this tree about 20' to the north is an untagged standing dead Pine tree which is completely girdled and decayed and should be removed.)
121	Valley Oak	( <i>Quercus lobata</i> )		14	16	Fair	Fair	Fair	Fair	Fair	Fair	Tree located offsite approximately 2' south of the property line. Branches approximately 12' above grade. Tag on fence.
122	Valley Oak	( <i>Quercus lobata</i> )		12	13	Fair	Fair	Fair	Fair	Fair	Fair	Tree located offsite approximately 8' south of the property line. Tag on fence.
123	Pecan	( <i>Carya illinoensis</i> )		8	12	Fair	Fair	Fair	Dormant	Fair	Fair	Minor sap sucker damage.
124	Valley Oak	( <i>Quercus lobata</i> )	4, 15	19	24	Obscured	Fair	Fair	Dormant	Poor to fair	Fair	Tree is located offsite, about 6' south of the south property line. Out of balance/leans south. Tag on fence.
125	Valley Oak	( <i>Quercus lobata</i> )		6	12	Obscured	Fair	Fair	Dormant	Fair	Fair	Tree is located offsite, about 6' south of the south property line. Tag on fence.



**AREA WEST ENVIRONMENTAL, INC.**  
**5460 King Road Project Site**  
**Town of Loomis, California**  
**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT					VIGOR	NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE			
126	Valley Oak	( <i>Quercus douglasii</i> )		12		Obscured	Fair	Fair	Dormant	Fair	Fair	Tree is located offsite, about 7' south of the south property line. Tag on fence.	None at this time.
127	Interior Live Oak	( <i>Quercus wislizeni</i> )		20	27	Obscured	Fair	Fair	Fair	Fair	Fair	Tree is located offsite, 1' south of the south property line. Measured 1.5' above grade, branches approximately 3' above grade into codominant stems with possible decay at the crotch; tag on fence.	Perform decay detection at primary crotch and provide further recommendations.
128	Valley Oak	( <i>Quercus douglasii</i> )	6,11	17	23	Obscured	Fair	Fair	Dormant	Poor to fair	Fair	Tree is located offsite, about 6' south of the south property line. Tag on fence.	None at this time.
129	Valley Oak	( <i>Quercus douglasii</i> )		14	14	Obscured	Fair	Fair	Dormant	Fair	Fair	Tree is located offsite, about 7' south of the south property line. Tag on fence.	None at this time.
130	Valley Oak	( <i>Quercus douglasii</i> )		11	16	Fair	Fair	Fair	Dormant	Fair	Fair	Suppressed on the south side; leans northwest.	None at this time.
131	Valley Oak	( <i>Quercus douglasii</i> )		23	27	Obscured	Fair	Fair	Dormant	Fair	Fair	Tree is located offsite, about 7' south of the south property line. Tag on fence.	None at this time.
132	Valley Oak	( <i>Quercus douglasii</i> )		7	12	Fair	Fair	Fair	Dormant	Fair	Fair	Above average amount of deadwood. Tag on fence.	Prune deadwood.
133	Interior Live Oak	( <i>Quercus wislizeni</i> )		12	18	Obscured	Fair	Fair	Poor to fair	Poor to fair	Fair	Tree is located offsite, about 1' south of the south property line. Out of balance/leans south. Tag on fence.	None at this time.
134	Interior Live Oak	( <i>Quercus wislizeni</i> )		12	26	Fair	Poor to fair	Fair	Poor to fair	Poor to fair	Poor to fair	Out of balance/leans south; suppressed. Tree is onsite but beyond second fence. Tag on fence.	None at this time.
135	Valley Oak	( <i>Quercus lobata</i> )		23	30	Poor to fair	Fair	Fair	Fair	Poor to fair	Fair	Trunk out of balance/leans northeast; 1/3 of the trunk has cavities with significant decay; branches 10' above grade.	Recommend removal due to nature and extent of noted defects.
136	Foothill Pine	( <i>Pinus sabiniana</i> )		16	22	Fair	Fair	Poor to fair	Fair	Poor to fair	Fair	Some dead limbs along the bottom and first 10'; branches about 17' above grade into 2 codominant leaders; trunk leans significantly at base to the north and then northwest.	Recommend removal due to nature and extent of noted defects.
137	Interior Live Oak	( <i>Quercus wislizeni</i> )		14	27	Fair	Poor to Fair	Fair	Poor to fair	Poor to fair	Fair	Tree is offsite about 2' west of the west property line. Out of balance to the southwest; suppressed; above average amount of deadwood.	None at this time.
138	Interior Live Oak	( <i>Quercus wislizeni</i> )	5,10	15	17	Obscured	Fair	Poor to fair	Fair	Poor to fair	Fair	Tree is offsite about 2' west of the west property line. Measured 2' above grade. Out of balance/leans west; suppressed; one limb leans back over the property line, which is nearly dead.	Recommend removal due to nature and extent of noted defects.
139	Valley Oak	( <i>Quercus lobata</i> )		11	28	Fair	Poor to Fair	Poor to Fair	Dormant	Poor	Fair	Significant lean/out of balance to the southwest.	None at this time.
140	Valley Oak	( <i>Quercus lobata</i> )		7	15	Fair	Fair	Fair	Dormant	Fair	Fair	Tree is offsite about 2' west of the west property line. Tag on branch.	None at this time.

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Prepared by Acorn Arboricultural Services, Inc.



**AREA WEST ENVIRONMENTAL, INC.**  
**5460 King Road Project Site**  
**Town of Loomis, California**  
**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT					VIGOR	NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE			
141	Interior Live Oak	<i>(Quercus wislizeni)</i>		6	22	Fair	Poor to Fair	Poor to fair	Poor to fair	Poor	Fair	Tree is offsite about 4' west of the west property line. Tag on branch. Tree has extreme lean to the north with the top almost touching grade.	None at this time.
142	Valley Oak	<i>(Quercus lobata)</i>		6	7	Fair	Poor to fair	Fair	Dormant	Poor to fair	Fair	Topped 5' above grade. Tree is offsite about 4' west of the west property line. Tag on branch.	None at this time.
143	Valley Oak	<i>(Quercus lobata)</i>		13	27	Fair	Fair	Fair	Dormant	Poor to fair	Fair	Tree is offsite about 8' west of the west property line. Tag on branch.	None at this time.
144	Valley Oak	<i>(Quercus lobata)</i>		15	17	Fair	Fair	Fair	Dormant	Fair	Fair	Tree is offsite about 5' west of the west property line. Tag on branch.	None at this time.
145	Foothill Pine	<i>(Pinus sabiniana)</i>		13	15	Obscured	Poor to fair	Poor to fair	Fair	Poor to fair	Fair	Tree is offsite 2' northwest of the northwest property line; Forks at 25' above grade; Bows at 18' above grade; above average amount of deadwood, 80% dead.	Recommend removal due to nature and extent of noted defects.
146	Valley Oak	<i>(Quercus lobata)</i>		10	22	Obscured	Poor to Fair	Fair	Dormant	Poor to fair	Fair	Tree is offsite about 12' northwest of the northwest corner of the property line. Bends/leans to the south 20' above grade, all the limbs are suppressed by another tree to the north; above average amount of deadwood and oak galls.	None at this time.
147	Interior Live Oak	<i>(Quercus wislizeni)</i>		26	30	Fair	Poor to Fair	Fair	Fair	Fair	Fair	Leans south; branches 7' and 8' above grade; cracking and included bark can be seen in the crotches; above average amount of deadwood.	Prune deadwood
148	Blue Oak	<i>(Quercus douglasii)</i>		20	23	Poor to fair	Poor to fair	Poor to Fair	Fair	Poor	Fair	Forks 6' above grade; codominant stems have seam down the length of the trunk on both sides with included bark with evidence of decay; cavity on the northwest side of the root collar with fruiting bodies with evidence of decay; out of balance/leans northeast; codominant stems have grown together approximately 10' above grade, with possible decay.	Perform aerial inspection and root collar excavation.
149	Pecan	<i>(Carya illinoensis)</i>		12	16	Fair	Fair	Fair	Dormant	Fair	Fair	Out of balance to the southwest.	None at this time.
150	Interior Live Oak	<i>(Quercus wislizeni)</i>	5,6,6	17	21	Poor to fair	Poor to fair	Fair	Poor to fair	Poor	Fair	Past failure of root system. Sprouted from a fallen Oak tree.	Recommend removal due to nature and extent of noted defects.
151	Valley Oak	<i>(Quercus lobata)</i>		22	25	Fair	Fair	Poor to Fair	Fair	Fair	Fair	Branches 12' above grade; slightly above average amount of deadwood.	Prune deadwood.
152	Interior Live Oak	<i>(Quercus wislizeni)</i>		6	8	Fair	Poor to Fair	Poor to Fair	Fair	Poor	Fair	Tree originally branched 5' above grade; one of those stems was pruned off; 6' above grade the trunk bends north and then continues growing upward.	Recommend removal due to nature and extent of noted defects.



**AREA WEST ENVIRONMENTAL, INC.**  
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**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT					NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS	
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE			VIGOR
153	Pecan	( <i>Carya illinoensis</i> )		6	15	Fair	Poor to Fair	Fair	Dormant	Poor to fair	Poor to fair	Out of balance/leans to the northeast.	Recommend removal due to nature and extent of noted defects.
154	Valley Oak	( <i>Quercus lobata</i> )		21	25	Fair	Fair	Fair	Dormant	Fair	Fair	Slightly above average amount of deadwood.	None at this time.
155	Pecan	( <i>Carya illinoensis</i> )		7	10	Poor to fair	Fair	Poor to fair	Dormant	Poor	Poor	Previous limb failure approximately 6' above grade; callusing with significant decay; significant loss of bark on the upper limbs.	Recommend removal due to nature and extent of noted defects.
156	Pacific Willow	( <i>Salix lucida</i> )		15	23	Poor	Poor to fair	Poor to fair	Dormant	Poor	Poor to fair	Leans to the east; extensive dead sucker growth on the lower 20'.	Recommend removal due to nature and extent of noted defects.
157	Fremont Cottonwood	( <i>Populus fremontii</i> )		18	20	Fair	Fair	Fair	Dormant	Fair	Fair	Leans south.	None at this time.
158	Fremont Cottonwood	( <i>Populus fremontii</i> )		16	20	Fair	Fair	Fair	Dormant	Fair	Fair	Stems are growing together about 4' above grade; evidence of damage on the lower trunk.	None at this time.
159	Fremont Cottonwood	( <i>Populus fremontii</i> )	7,7	14	12	Fair	Poor	Poor	Dormant	Poor	Poor	Leans west.	None at this time.
160	Fremont Cottonwood	( <i>Populus fremontii</i> )		17	23	Fair	Fair	Poor to fair	Dormant	Poor to fair	Poor to fair	Leans northwest; sparse canopy.	None at this time.
161	Fremont Cottonwood	( <i>Populus fremontii</i> )		15	20	Fair	Fair	Fair	Dormant	Fair	Fair	Evidence of decay on the trunk approximately 15' above grade, northeast side; with sap leakage and evidence of decay.	Perform aerial inspection.
162	Fremont Cottonwood	( <i>Populus fremontii</i> )		15	19	Fair	Fair	Fair	Dormant	Fair	Fair	Basal cavity on the northeast side with an approximate 10"-12" opening; evidence of decay back into the trunk in excess of 3'; fruiting bodies evident; evidence of large limb failure on the north side in the past with callusing and decay; fruiting bodies on the tree approximately 15' above grade, north side; evidence of poorly attached primary limbs; excessive amount of deadwood.	Recommend removal due to nature and extent of noted defects.
163	Fremont Cottonwood	( <i>Populus fremontii</i> )		26	25	Poor to fair	Poor to fair	Poor to fair	Dormant	Poor to fair	Fair	12" callusing wound on lower trunk, southwest side, with evidence of decay.	Recommend removal due to nature and extent of noted defects.
164	Valley Oak	( <i>Quercus lobata</i> )		11	22	Fair	Fair	Fair	Dormant	Fair	Fair		
165	Valley Oak	( <i>Quercus lobata</i> )		39	40	Poor to fair	Poor	Poor to fair	Dormant	Poor	Poor		
166	Pecan	( <i>Carya illinoensis</i> )		12	15	Fair	Poor to Fair	Poor to Fair	Dormant	Fair	Poor to fair		

**AREA WEST ENVIRONMENTAL, INC.**  
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**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT					NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE	VIGOR	
167	Valley Oak	( <i>Quercus lobata</i> )		16	24	Fair	Fair	Fair	Dormant	Fair	Fair	Slightly above average amount of deadwood and galls extending up into the canopy.
168	Valley Oak	( <i>Quercus lobata</i> )		27	27	Fair	Poor to Fair	Fair	Dormant	Poor to fair	Fair	Measured 3' above grade; forks 4' above grade with included bark; moderate water sprout growth; significant evidence of wasp gall.
169	Valley Oak	( <i>Quercus lobata</i> )		13	16	Fair	Fair	Fair	Dormant	Fair	Fair	Slightly above average amount of deadwood.
170	Fruitless Pear	( <i>Pyrus calleryana</i> )		16	21	Obscured	Fair	Fair	Fair	Poor	Fair	Tree is located offsite, 15' north of the north property line. Tag on fence. Measured 2' above grade; canopy extends about 10' over the property line.
171	Raywood Ash	( <i>Fraxinus angustifolia</i> )		18	22	Fair	Fair	Poor to fair	Dormant	Poor to fair	Poor to fair	Tree is located offsite, 10' north of the north property line. Tag on fence.
172	Interior Live Oak	( <i>Quercus wislizeni</i> )		7	8	Fair	Fair	Fair	Fair	Fair	Fair	Tree is located offsite, 1' north of the north property line. Measured 3' above grade; branches 4' above grade.
173	Interior Live Oak	( <i>Quercus wislizeni</i> )		9	7	Obscured	Fair	Fair	Fair	Fair	Fair	Tree is located adjacent to the north property line. Measured 2' above grade; branches 3'-4' above grade.
174	Interior Live Oak	( <i>Quercus wislizeni</i> )		9	8	Fair	Fair	Fair	Fair	Fair	Fair	Measured 2' above grade; branches 3' above grade; previous callusing pruning wound, north side, 2' above grade and about 3" in diameter; no significant decay.
175	Silver Maple	( <i>Acer saccharinum</i> )		42	32	Poor to fair	Poor to fair	Poor to fair	Fair	Poor to fair	Fair	Previously topped; Tree branches 8' above grade on the west side, old 10" pruning wound approximately 5' above grade with significant decay. Additional decaying pruning wounds various locations; Evidence on the west side of the tree 20' above grade on two large 12" limbs with significant callusing wounding about 5' long and evidence of decay.
176	Interior Live Oak	( <i>Quercus wislizeni</i> )		24	2	Poor to Fair	Poor to Fair	Poor	Poor	Poor	Poor	Recommend removal due to nature and extent of noted defects.
177	Black Walnut	( <i>Juglans nigra</i> )		14	5	Poor	Poor	Poor	Fair	Poor to fair	Fair	Recommend removal due to nature and extent of noted defects.
178	Interior Live Oak	( <i>Quercus wislizeni</i> )		10	14	Fair	Fair	Fair	Poor to fair	Fair	Poor to fair	None at this time.

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**AREA WEST ENVIRONMENTAL, INC.**  
**5460 King Road Project Site**  
**Town of Loomis, California**  
**TREE INVENTORY SUMMARY**

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (inches)	TOTAL DBH (inches)	DLR (feet)	CONDITIONAL ASSESSMENT						NOTABLE CHARACTERISTICS	MAINTENANCE RECOMMENDATIONS
						RT CR	TRUNK	LIMBS	FOLIAGE	STRUCTURE	VIGOR		
179	Mulberry	<i>(Acer saccharinum)</i>		17	16	Fair	Poor to fair	Fair	Dormant	Poor to fair	Fair	Measured 2' above grade; originally forked 3' and 5' above grade, 2 6" limbs have been pruned, minor callusing with no significant decay; multiple crossing branches in the lower part of the tree.	None at this time.
180	Interior Live Oak	<i>(Quercus wislizeni)</i>	23,26	49	35	Obscured	Fair	Poor to fair	Fair	Fair	Fair	Tree is located offsite 4' east of the east property line. Tag on fence. Canopy to the west into the parcel is about 30".	None at this time.
181	Interior Live Oak	<i>(Quercus wislizeni)</i>	6,11, 12,17	46	32	Obscured	Poor to Fair	Fair	Fair	Poor to fair	Fair	Tree is located offsite about 8' east of the east property line. Tag on fence. Forks at grade with weak attachments. Above average amount of deadwood.	None at this time.
182	Interior Live Oak	<i>(Quercus wislizeni)</i>		56	25	Obscured	Fair	Fair	Poor to fair	Fair	Poor to fair	Tree is located offsite about 20' south of the south property line. Tag on fence.	None at this time.
183	Interior Live Oak	<i>(Quercus wislizeni)</i>		11	16	Fair	Fair	Fair	Fair	Fair	Fair	Tree is located offsite about 1' south of the south property line. Tag on fence.	None at this time.
184	Interior Live Oak	<i>(Quercus wislizeni)</i>		11	19	Obscured	Fair	Fair	Fair	Poor to fair	Fair	Tree is located offsite just south of the south property line. Tag on fence. Tree branches 4' above grade.	None at this time.
185	Chinese Tallow	<i>(Triadica sebifera)</i>		8	14	Fair	Poor to Fair	Poor to Fair	Dormant	Poor to fair	Fair	Measured at 4' above grade; out of balance to the west; above average amount of deadwood.	None at this time.
186	Chinese Tallow	<i>(Triadica sebifera)</i>		7	15	Fair	Fair	Poor to Fair	Dormant	Fair	Fair	Above average amount of deadwood.	None at this time.

**TOTAL INVENTORIED TREES = 86 Trees (1,602 aggregate diameter inches)**  
**TOTAL RECOMMENDED REMOVALS = 13 Trees (235 aggregate diameter inches)**  
**PRECAUTIONARY TREES HIGHLIGHTED FOR REFERENCE**