

**ARBORIST REPORT
AND
TREE INVENTORY SUMMARY**

**4600 Auburn Blvd., Sacramento
County of Sacramento, California**

Prepared for:

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APPENDICES:

- A. Tree Inventory Summary (sorted by tree number)
- B. Tree Location Exhibit

COPYRIGHT STATEMENT

This consultant's report, dated October 30, 2023, is for the exclusive and confidential use of Tower Development Corp. concerning potential development of the 4600 Auburn Blvd. Project Site, located in the County of Sacramento, 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, California-based, professional arboricultural services company which was founded in 2010 following a parent corporation restructuring. The principals are Delinda and Jay Bate. Wayne McKee is an ISA Certified Arborist and is Tree Risk Assessment Qualified. He graduated from Humboldt State University with a Bachelor of Science degree in Forestry. Wayne has more than 36 years' experience in the horticulture, forestry, and arboricultural fields. He has a background working as a consulting arborist compiling tree value assessments, tree inventories, and tree risk assessments, as well as acting as a project arborist on many commercial and residential development projects.

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 4600 Auburn Blvd., Sacramento located in the County of Sacramento, California. This Arborist Report and Tree Inventory Summary documents tree data obtained by Wayne McKee, ISA Certified Arborist WE-0959A, at the time of field reconnaissance and inventory efforts on October 27, 2023.

SCOPE OF INVENTORY EFFORT

The County of Sacramento Tree Preservation Ordinance (Sacramento County Code Title 19, Chapter 19.12) regulates both the removal of protected trees and the encroachment of construction activities within their driplines. The Ordinance defines a “tree” as “any living native oak tree having at least one trunk of six inches or more in diameter measured four and one-half feet above the ground, or a multi-trunked native oak tree having an aggregate diameter of ten inches or more, measured four and one-half feet above the ground.” In addition, all native oak and specified non-oak native trees which measure four inches in diameter and larger (or 10-inch aggregate diameter for multi-trunk native oak and Northern California Black Walnut trees) and other non-native trees with trunk diameters of 19 inches and larger are afforded various levels of protection through the County’s environmental review policy. These separate requirements are not based solely on the Sacramento County Tree Preservation Ordinance. Tree inventories and arborist reports submitted to the Sacramento County Planning and Environmental Review (PER) are used, among other things, to evaluate project impacts and create appropriate mitigation pursuant to the Sacramento County General Plan policies and CEQA. To that end, on January 25, 2008, a separate set of criteria was established when preparing tree inventories and arborist reports for a proposed development site.

This Arborist Report and Tree Inventory Summary presents information concerning the species, size, and current condition of the trees within 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.

METHODOLOGY

During field reconnaissance and inventory efforts Wayne McKee of Acorn Arboricultural Services conducted a visual review from ground level of the trees within and/or overhanging the proposed project area. The trees which met the defined criteria have been identified in the field with round numbering tag affixed to the trunks. The tree numbers utilized in this report and accompanying Tree Inventory Summary correspond to the tree tag which is affixed to the tree in the field, and those tree numbers or grouping of numbers are listed on the Site Plan provided (see Appendix B). Gaps in the numbering sequence represent trees that are no longer found on the site. The precise vertical and horizontal location of the trees must be surveyed in the field by a licensed land surveyor and data for the trees (i.e., tree number, diameter, dripline, and protected root zone radii) may be properly depicted on future development plans and Tree Location Exhibit as requested by PER.

At the time of field identification and inventory efforts specific data was gathered for each tagged tree including the tree's species, diameter measured at breast height (DBH), and dripline radius (DLR). In addition, for the trees which met the criteria of the PER Requirements and/or County of Sacramento Tree Preservation Ordinance an assessment was made of the tree's root crown/collar, trunk, limbs, and foliage. Utilizing this data the trees' overall structural condition and vigor were separately assessed ranging from poor to good¹ 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.

SUMMARY OF INVENTORY EFFORT

Field reconnaissance and inventory efforts found 56 trees measuring 4 inches in diameter and larger measured at breast height within and/or overhanging the proposed project area. Composition of the 56 inventoried trees includes the following species and accompanying aggregate diameter inches:

¹ It is rare that a tree qualifies in a good category, and it should be noted that there were no trees observed within the project area which fell within the criteria of a good rating. A complete description of the terms and ratings utilized in this report and accompany inventory summary are found on page 9.

SPECIES DIVERSIFICATION			
Deodar Cedar	=	1 tree	(28 aggregate diameter inches)
Interior Live Oak	=	9 trees	(136 aggregate diameter inches)
Tree of Heaven	=	1 tree	(30 aggregate diameter inches)
Valley Oak	=	45 trees	(833 aggregate diameter inches)
TOTAL	=	56 trees	(1,027 aggregate diameter inches)

Recommended Removals

At this time, 3 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 it may be hazardous depending upon their proximity to planned development activities.²

TREE #	COMMON NAME	SPECIES	MULTI-STEMS (Inches)	TOTAL DBH (Inches)	DIP (Inches)	CONDITIONAL ASSESSMENT	
						STRUCTURE	VIGOR
4308	Deodar Cedar	<i>(Cedrus deodara)</i>		28	20	Poor	Fair
4318	Interior Live Oak	<i>(Quercus wislizeni)</i>		12	17	Poor	Fair
4326	Tree of Heaven	<i>(Ailanthus altissima)</i>		30	23	Poor	Fair

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 and vigor. 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 health evaluating the potential for hazard in a developed environment.

² At this time Tree Hazard Evaluation forms have not been prepared for these trees. In lieu, specific details concerning the nature and extent of defects noted within the tree at the time of field inventory efforts on October 27, 2023, have been included within the "notable characteristics" column of the accompanying inventory summaries. It is our understanding, based upon past conversations with Todd Smith of Office of Planning and Environmental Review, that this level of detail is sufficient and that Tree Hazard Evaluation forms are unnecessary due to our inability to provide a meaningful "target rating" at this early stage of the project.

CONSTRUCTION IMPACT ASSESSMENT

This Arborist Report and Tree Inventory Summary is intended to provide to Tower Development Corp., the County of Sacramento, and other members of the development team a detailed *pre-development review* of the species, size, and current structure and vigor of the trees within and/or overhanging the proposed project area. It is not an exhaustive review of the impacts which will be sustained from project implementation. At this early stage of the project specific root system and canopy impacts on a tree-by-tree basis cannot be definitively assessed until the site development, grading, and other improvement plans have been refined and finalized and data from the accompanying inventory summary (i.e., tree numbers, dripline radius, and root protection zones) is properly depicted on the plans.

In the meantime, this report provides some pre-development recommendations which logically follow the observed characteristics noted in the trees at the time of the field inventory efforts, as well as General Protection Measures which should be utilized as a guideline for the protection of trees which may be retained within the development area. These recommendations will require modification and/or augmentation as development plans are refined and finalized.

GENERAL COMMENTS AND ARBORISTS' DISCLAIMER

The County of Sacramento 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 County of Sacramento 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,



Wayne McKee
ISA Certified Arborist WE 0959A, 1992
ISA Tree Risk Assessment Qualified, 2022
B S Forestry, Humboldt State University, 1983

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 initialed 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 Wayne McKee, 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.
Root Protected Zone:	A circle equal to the largest radius of a protected tree's dripline or larger if warranted.
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

RATING TERM	ROOT CROWN	TRUNK	LIMBS	FOLIAGE	STRUCTURE	VIGOR
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 "poor to fair" and "fair to good" 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 COUNTY OF
SACRAMENTO**

Once approval has been obtained by the County of Sacramento Municipal Services Agency 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.

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.

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 a 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).

TOWER DEVELOPMENT CORP.
4600 Auburn Blvd., Sacramento
County of Sacramento, California
TREE INVENTORY SUMMARY

ID	COMMON NAME	SPECIES	MULTI-STEMS (Inches)	TOTAL DBH (Inches)	DLR (feet)	CONDITION		NOTABLE CHARACTERISTICS - MAINTENANCE RECOMMENDATIONS
						STRUCTURE	VIGOR	
4301	Valley Oak	<i>Quercus lobata</i>		12	14	Fair	Fair	Pruned for utility line clearance. - None at this time.
4302	Interior Live Oak	<i>Quercus wislizenii</i>		12	22	Poor to fair	Fair	Trunk leans east, crown 1-sided east. - None at this time.
4303	Interior Live Oak	<i>Quercus wislizenii</i>		18	22	Poor to fair	Fair	Lower trunk bends south with callusing wounds various locations. - None at this time.
4304	Interior Live Oak	<i>Quercus wislizenii</i>		20	25	Poor to fair	Fair	Lower trunk grows at grade for approximately 4' and then bends upright; portion of the lower trunk is on grade; callusing trunk wounds with minor interior decay. - None at this time.
4305	Valley Oak	<i>Quercus lobata</i>		12	18	Poor to fair	Fair	Upper stems bend significantly to the west, prune for utility line clearance. - None at this time.
4306	Valley Oak	<i>Quercus lobata</i>		16	20	Fair	Poor to fair	Embedded bark in the primary crotch, above average amount of deadwood. - None.
4308	Deodar Cedar	<i>Cedrus deodara</i>		28	20	Poor	Fair	Callusing basal lower trunk wound, northwest side, to 15' above grade; minor to moderate interior decay. Remove due to noted defects.
4310	Interior Live Oak	<i>Quercus wislizenii</i>	7, 21	28	22	Fair	Fair	Lower trunk buried with debris, south side. - Remove debris.
4311	Valley Oak	<i>Quercus lobata</i>		15	24	Fair	Poor to fair	Above average amount of deadwood. - None at this time.
4312	Valley Oak	<i>Quercus lobata</i>	17, 20	37	26	Poor to fair	Fair	Embedded bark in the primary crotch; callusing trunk wounds, north side, 2'-3' above grade, embedded chainlink 4 feet above grade south side, above average amount of deadwood. - None at this time.
4313	Valley Oak	<i>Quercus lobata</i>		17	18	Poor to fair	Fair	Callusing pruning wound at approximately 10' above grade at the point of an old primary stem, minor interior decay, canopy 1-sided south. - None.
4314	Valley Oak	<i>Quercus lobata</i>		9	12	Poor to fair	Fair	Callusing trunk wound south side approximately 5' above grade, additional pruning wound approximately 10' above grade at the point of a primary stem attachment with minor to moderate interior decay, crown is resulting sprouts, Embedded fence member east side 6 feet above grade. - None at this time.
4315	Valley Oak	<i>Quercus lobata</i>		15	22	Fair	Fair	None at this time.
4316	Valley Oak	<i>Quercus lobata</i>		13	20	Fair	Fair	None at this time.
4317	Valley Oak	<i>Quercus lobata</i>		8	12	Poor to fair	Fair	Tree was topped at approximately 9' above grade with moderate decay in the exposed wood majority of the branches are sprouts resulting from the tree being topped. - None at this time.
4318	Interior Live Oak	<i>Quercus wislizenii</i>		12	17	Poor	Fair	Callusing basal trunk wound for approximately 14' along the trunk, which bends significantly to the south; moderate interior decay with evidence of fungal fruiting bodies in various locations; moderate to significant interior decay; evidence of wood boring insects; trunk has been topped; majority of the branches are sprout growth as a result of pruning wounds and the trunk being topped. - Remove due to noted defects.

**TOWER DEVELOPMENT CORP.
4600 Auburn Blvd., Sacramento
County of Sacramento, California
TREE INVENTORY SUMMARY**

ID	COMMON NAME	SPECIES	MULTI-STEMS (Inches)	TOTAL DBH (Inches)	D.P.R. (Inch)	CONDITION		NOTABLE CHARACTERISTICS - MAINTENANCE RECOMMENDATIONS
						STRUCTURE	VIGOR	
4320	Interior Live Oak	<i>Quercus wislizenii</i>		11	15	Fair	Fair	Trunk leans southeast. - None at this time.
4321	Valley Oak	<i>Quercus lobata</i>		18	23	Fair	Poor to fair	Above average amount of deadwood; profuse epicormic sprouts along the primary limbs, large northerly stem in the upper canopy is dead. - None at this time.
4322	Interior Live Oak	<i>Quercus wislizenii</i>		9	12	Fair	Fair	Sloughing bark and evidence of dead tissue in the lower trunk 5 to 6 feet above grade. - None at this time.
4323	Valley Oak	<i>Quercus lobata</i>		11	20	Poor to fair	Fair	Trunk leans east, evidence of a partial root system failure with heaving soil and exposed supporting roots on the west side. - None at this time.
4324	Valley Oak	<i>Quercus lobata</i>		12	17	Fair	Fair	None at this time.
4325	Valley Oak	<i>Quercus lobata</i>		12	13	Fair	Fair	Slightly above average amount of deadwood. - None at this time.
4326	Tree of Heaven	<i>Ailanthus altissima</i>		30	23	Poor	Fair	Measured at 3' above grade; forks at 4'-5' above grade; embedded bark in the primary crotch; callusing wounds, various locations along the trunk, with minor to moderate interior decay. - Remove due to noted defects and an undesirable species.
4327	Valley Oak	<i>Quercus lobata</i>	9, 20	29	22	Fair	Poor to fair	Forks at 2 feet above grade with a bark inclusion, above average amount of deadwood and profuse epicormic sprout growth. - None at this time.
4328	Valley Oak	<i>Quercus lobata</i>		26	26	Fair	Poor	Excessive dieback of the primary limbs in the upper canopy. - None at this time.
4329	Valley Oak	<i>Quercus lobata</i>	19, 20	39	30	Fair	Poor to fair	Forks at 2 feet above grade with a bark inclusion, above average amount of deadwood and profuse epicormic sprout growth. - None at this time.
4330	Valley Oak	<i>Quercus lobata</i>		21	18	Fair	Poor to fair	Measured at 2' above grade; forks at approximately 4'-5' above grade; callusing pruning wound, west side, approximately 1' above grade at the point of an old stem attachment; minor interior decay; above average amount of deadwood; profuse sprout growth along the trunk and primary limbs. None at this time.
4331	Valley Oak	<i>Quercus lobata</i>		12	12	Fair	Fair	Trunk leans south, embedded wire 6 feet above grade. - None at this time.
4332	Valley Oak	<i>Quercus lobata</i>	7,7,8,9	31	16	Poor to fair	Fair	Forks at 6-inches above grade with weak attachments, tree appears to have grown as the result of a stump sprouts. - None at this time.
4333	Valley Oak	<i>Quercus lobata</i>		25	24	Poor to fair	Fair	Embedded bark in the primary crotch with significant bulges on the east and west sides, callusing lower trunk wound 1 to 3 feet above grade. - None at this time.
4334	Valley Oak	<i>Quercus lobata</i>		35	27	Poor to fair	Fair	Measured at 2' above grade; forks at 4'-5' above grade; embedded bark in the primary crotches; above average amount of deadwood, profuse epicormic sprout growth. - None at this time.
4335	Valley Oak	<i>Quercus lobata</i>		18	22	Fair	Poor to fair	Above average amount of deadwood; somewhat sparse foliage; profuse epicormic sprouts along the primary branches. - None at this time.

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TREE INVENTORY SUMMARY**

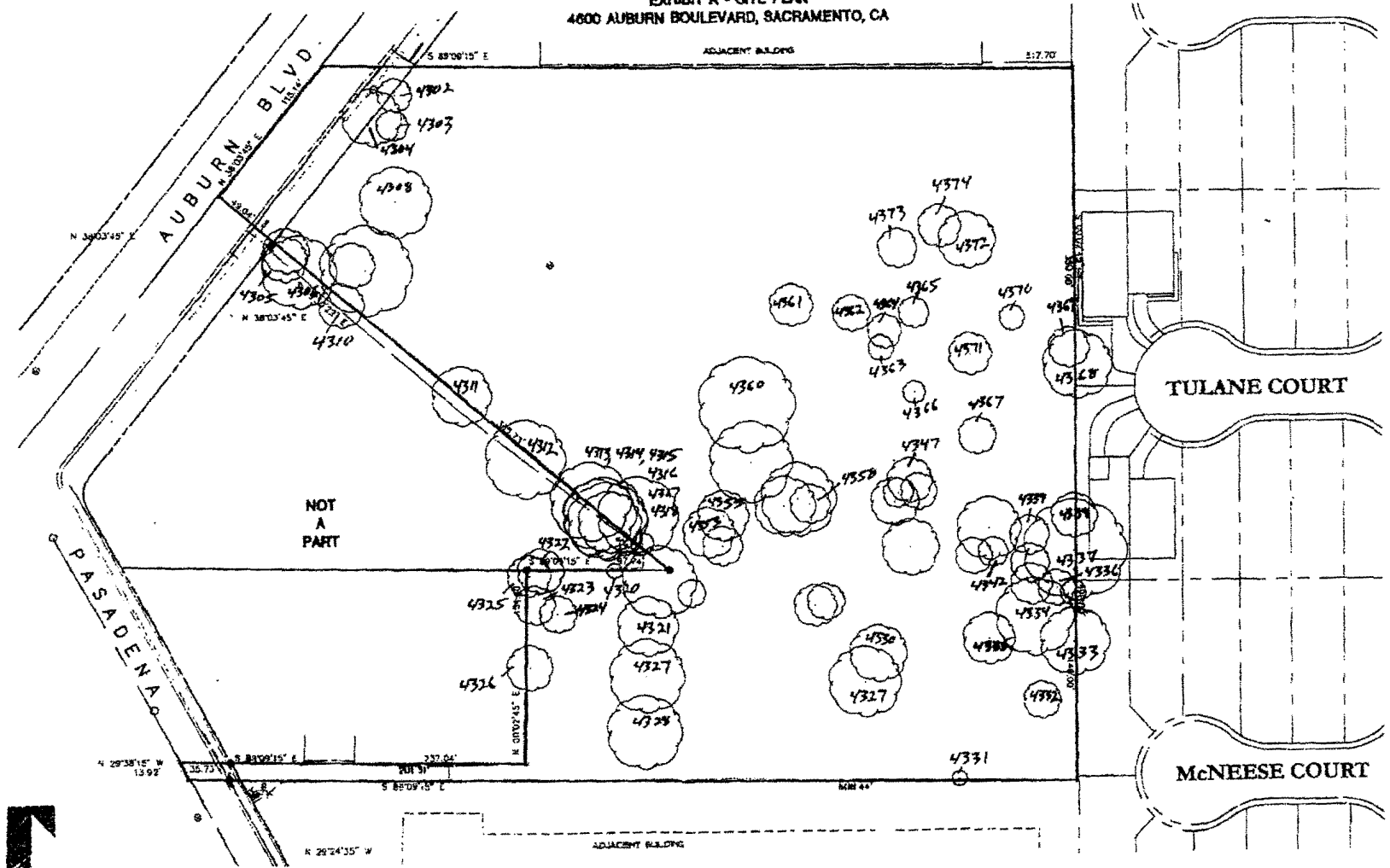
ID	COMMON NAME	SPECIES	MULTI-STEMS (Inches)	TOTAL DBH (Inches)	DIH (feet)	CONDITION		NOTABLE CHARACTERISTICS - MAINTENANCE RECOMMENDATIONS
						STRUCTURE	VIGOR	
4336	Valley Oak	<i>Quercus lobata</i>	7, 10	17	15	Poor to fair	Fair	Embedded bark in the primary crotch, above average amount of deadwood; profuse epicormic sprouts along the trunks and primary limbs. - None at this time.
4337	Valley Oak	<i>Quercus lobata</i>	16, 27	43	30	Fair	Fair	Profuse epicormic sprout growth. - None at this time.
4338	Valley Oak	<i>Quercus lobata</i>		19	22	Poor to fair	Fair	Forks at 5 feet above grade with embedded bark in the primary crotch, stems bend northeast, above average amount of deadwood; profuse epicormic sprouts along the trunk and primary branches. - None at this time.
4339	Valley Oak	<i>Quercus lobata</i>		14	18	Fair	Fair	Above average amount of deadwood; profuse epicormic sprouts along the primary branches. - None.
4342	Valley Oak	<i>Quercus lobata</i>		10	15	Fair	Fair	Primary limbs bend south, profuse epicormic sprout growth. - None at this time.
4347	Valley Oak	<i>Quercus lobata</i>	9, 14	23	23	Fair	Poor to fair	Excessive dieback in the canopy. - None at this time.
4353	Interior Live Oak	<i>Quercus wislizenii</i>	6, 12, 12	30	23	Poor to fair	Fair	Forks at 2 and 3 feet above grade with weak attachments. - None at this time.
4355	Valley Oak	<i>Quercus lobata</i>		14	18	Fair	Poor to fair	Above average amount of deadwood, profuse sprout growth. - None at this time.
4358	Valley Oak	<i>Quercus lobata</i>	10, 11	21	16	Poor to fair	Fair	Forks at 4 feet above grade, embedded bark in the primary crotch; profuse epicormic sprout growth. - None at this time.
4360	Valley Oak	<i>Quercus lobata</i>		30	35	Fair	Fair	None at this time.
4361	Valley Oak	<i>Quercus lobata</i>		22	20	Fair	Fair	Forks at 5 feet above grade with a bark inclusion. - None at this time.
4362	Valley Oak	<i>Quercus lobata</i>	9, 10	19	15	Poor to fair	Fair	Forks at 2 feet above grade with a bark inclusion, callusing wound on the northerly stem 4 to 5 feet above grade with exposed wood and evidence of wood boring insects. - None at this time..
4363	Valley Oak	<i>Quercus lobata</i>		8	10	Poor	Fair	Trunk leans north, evidence of a partial root system failure with soil heaving and exposed wounded root on the south side, lower trunk wound .5 to 3 feet above grade with exposed wood and evidence of wood boring insects. - None at this time.
4364	Valley Oak	<i>Quercus lobata</i>		11	16	Fair	Poor to fair	Above average amount of deadwood and branch tip dieback, evidence of a fungal on the lower trunk on the north side. - None at this time.
4365	Valley Oak	<i>Quercus lobata</i>		9	15	Poor to fair	Poor to fair	Trunk leans east, evidence of a partial root system failure, exposed wounded buttress roots west side. - None at this time.
4366	Valley Oak	<i>Quercus lobata</i>		12	16	Fair	Fair	Slightly above average amount of deadwood. - None at this time.
4367	Valley Oak	<i>Quercus lobata</i>	6, 8, 11	25	15	Fair	Fair	Slightly above average amount of deadwood. - None at this time.
4368	Valley Oak	<i>Quercus lobata</i>		16	24	Fair	Fair	Trunk leans north, crown 1-sided west. - None at this time.
4369	Interior Live Oak	<i>Quercus lobata</i>		13	23	Fair	Fair	Trunk leans north, crown 1-sided north. - None at this time.
4370	Valley Oak	<i>Quercus lobata</i>		13	18	Fair	Fair	Somewhat sparse foliage. - None at this time.

**TOWER DEVELOPMENT CORP.
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TREE INVENTORY SUMMARY**

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						STRUCTURE	VIGOR	
4372	Valley Oak	<i>Quercus lobata</i>		18	23	Fair	Poor to fair	Above average amount of deadwood; embedded bark in the primary crotch, profuse epicormic sprout growth. - None at this time.
4373	Valley Oak	<i>Quercus lobata</i>		16	18	Fair	Poor to fair	Above average amount of deadwood; profuse epicormic sprout growth. - None at this time.
4374	Valley Oak	<i>Quercus lobata</i>		13	24	Fair	Fair	Callused pruning wounds in the lower trunk with no apparent decay at this time; profuse sprout growth, broken branch hanging in the canopy. - None at this time.

Total Inventoried Trees = 56 Trees (1027 aggregate diameter inches)

Remaining trees
 EXHIBIT A - SITE PLAN
 4800 AUBURN BOULEVARD, SACRAMENTO, CA



Site Plan



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