

PROTECTED TREE REPORT

for

**A.P.N. 5567-029-032
Nine House Development**

Owner:
Best Choice Holdings, 36, LLC
Civil Engineer: Khatri International Inc.
626- 685-9480

Prepared by
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Protected Tree Report

Background

According to Ordinance 177404 the following trees native tree species are protected: Oak trees including indigenous Oaks, Southern California Black Walnut, Western Sycamore and California Bay Tree. Any trees of the above species that are larger than 4" caliper at 4.5 feet above the ground level are to be considered protected for the purpose of this ordinance. Trees that are to be retained on the site need to be protected during any grading process to within 5' of the drip line of the tree to preclude potential damage to the tree.

The protected trees may be relocated or removed upon prior approval of removal if a) its presence prevents the reasonable development of the property, b) the health of the tree is in decline and its restoration is not advisable or feasible c) It is in danger of falling d) It interferes with proposed utility or roadways within or without property e)It has no apparent aesthetic value that will contribute to the appearance and design of a proposed subdivision.

Should a protected tree need to be removed, the first choice would be relocation elsewhere on the same property where the relocation is economically reasonable and favorable to the survival of the tree. Measures may need to be taken to mitigate adverse effects on the tree.

Should a protected tree need to be removed and relocation is not an option, trees of the protected tree species must be replaced within the property by at least two trees of a protected variety with 15 gallon or larger trees. The size and number of replacement trees shall approximate the value of the tree to be replaced.

This report consists of the site conditions and mitigation measures required for the development of one house on the land plus any additional planned buildings on the site. There is a complete listing of all trees on the land, their condition and pictures to document existing conditions. Should additional development of the lot be undertaken, mitigation measures would need to be added to the requirements contained herein this report. I have listed mitigation for some of the trees that are in the development area but that may not be displaced by the house because in the course of grading and building retaining walls that will be necessary for development, some of these trees may be destroyed. Should the developers find ways to protect these trees as listed above, then obviously they will need no mitigation. On this site, I think is unrealistic to expect to move and replant any of the displaced trees because of their size and orientation on the slopes.

Site Conditions

This is an extremely sloped site with many native species. The trees consist of *Quercus agrifolia*, *Quercus chrysolepis*, *Umbellularia californica* and *Juglans californica*. The preponderance of species are the *Juglans californica* and second *Quercus agrifolia*. Among the native shrubs on the site are *Arctostaphylos*, *Salvia*, *Rhus*, *Heteromeles*. The plan shows the areas that will be disturbed by development. The majority of the trees onsite will not be disturbed in the building of the house and out building planned.

Mitigation Measures

The two varieties of trees that will be replaced due to development are the *Quercus agrifolia* and the *Juglans californica*. The *Quercus* can be replaced with like trees so that the site can maintain its rustic character and the natural habitat can be maintained for the various animals in this area. *Juglans* is generally not available in the trade especially in the replacement sizes required for this project. My recommendation is that the *Juglans* should be replaced by another native tree such as the *Arbutus* spp., *Platanus racemosa* or any of the various *Quercus* species. Following is the list of trees that will be removed due to the development with my recommendations for the sizes and quantities of replacement:

Tree #7 is *Juglans californica* in very poor condition. The bark is split throughout most of the trunk. Because of its health it can be removed without replacement.

Tree #8, is *Quercus agrifolia* in excellent condition. Because of its size, it should be replaced by two forty eight inch box trees of the same variety.

Trees #13 *Quercus agrifolia* in excellent condition. Because of its size, it should be replaced by two forty eight inch box trees of the same variety.

Tree #28 is *Quercus agrifolia* in excellent condition. It should be replaced by two thirty six inch box trees of the same variety.

Tree #38 is *Juglans californica* in excellent condition. Because of its size, it should be replaced by two forty eight inch box trees.

Tree #59 is *Juglans californica* in poor condition. Because of its size and condition it should be replaced with two twenty four inch box trees.

Tree#60 is *Juglans californica* which is dead. It should be removed without replacement.

Tree#61 is *Quercus agrifolia* in excellent condition. Because of its size it should be replaced with two forty eight inch box trees of the same variety.

Tree #81 is *Quercus agrifolia* in good condition. Because of its size it should be replaced by two twenty four inch box trees of the same variety.

Tree # 82 is *Juglans californica* in excellent condition. Because of its size it should be replaced with two thirty six inch box trees.

Tree #84 is *Quercus agrifolia* in good condition. Because of its size it should be replaced by two thirty six inch box trees of the same variety.

Tree #85 is *Juglans californica* in good to fair condition. Because of its size, it should be replaced with two thirty six inch box trees.

Tree#88 is *Juglans californica* in good condition. Because of its size it should be replaced with two twenty four inch box trees.

Tree#89 is *Juglans californica* in good condition. Because of its size it should be replaced with two twenty four inch box trees.

Tree#90 is *Juglans californica* in good condition. Because of its size it should be replaced with two twenty four inch box trees.

Tree#91 is *Quercus agrifolia* in good condition. Because of its size it should be replaced with two fifteen gallon trees of the same variety.

Tree#92 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#98 is *Juglans californica* in good condition. Because of its size it should be replaced with two thirty six inch box trees.

Tree#99 is *Juglans californica* in good condition. Because of its size it should be replaced with two twenty four inch box trees.

Tree#100 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#101 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#102 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#103 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#104 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#105 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#106 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#107 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree#108 is *Juglans californica* in good condition. Because of its size it should be replaced with two fifteen gallon trees.

Tree #123 is *Juglans californica* in excellent condition. Because of its size, it should be replaced by two thirty six inch box trees.

Tree #124 is *Juglans californica* in excellent condition. Because of its size, it should be replaced by two forty eight inch box trees.

Tree#129 is *Quercus agrifolia* in excellent condition. Because of its size it should be replaced with forty eight inch box trees of the same variety.

Tree#130 is *Quercus agrifolia* in excellent condition. Because of its size it should be replaced with two fifteen gallon trees of the same variety.

Tree#136 is *Juglans californica* in excellent condition. Because of its size it should be replaced with twenty four inch box trees.

Tree#137 is *Juglans californica* in good condition. Because of its size it should be replaced with twenty four inch box trees.

Tree #138 is *Juglans californica* in excellent condition. Because of its size, it should be replaced by two fifteen gallon trees.

Tree #139 is *Juglans californica* in excellent condition. Because of its size, it should be replaced by two fifteen gallon trees.

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Respectfully submitted,

Shelley Sparks, RLA #2896, ASLA