



CITY OF CAMPBELL
Community Development Department

September 23, 2021

NOTICE OF TREE REMOVAL PERMIT APPLICATION

Notice is hereby given that the Community Development Department of the City of Campbell has received an application for a Tree Removal Permit (PLN-2021-163) at 189 Redding Rd for the removal of one (1) Redwood tree measuring 36 inches in diameter located in the rear yard due to damage to the home. If approved, removal of the tree is subject to the replanting requirement of the Campbell Municipal Code.

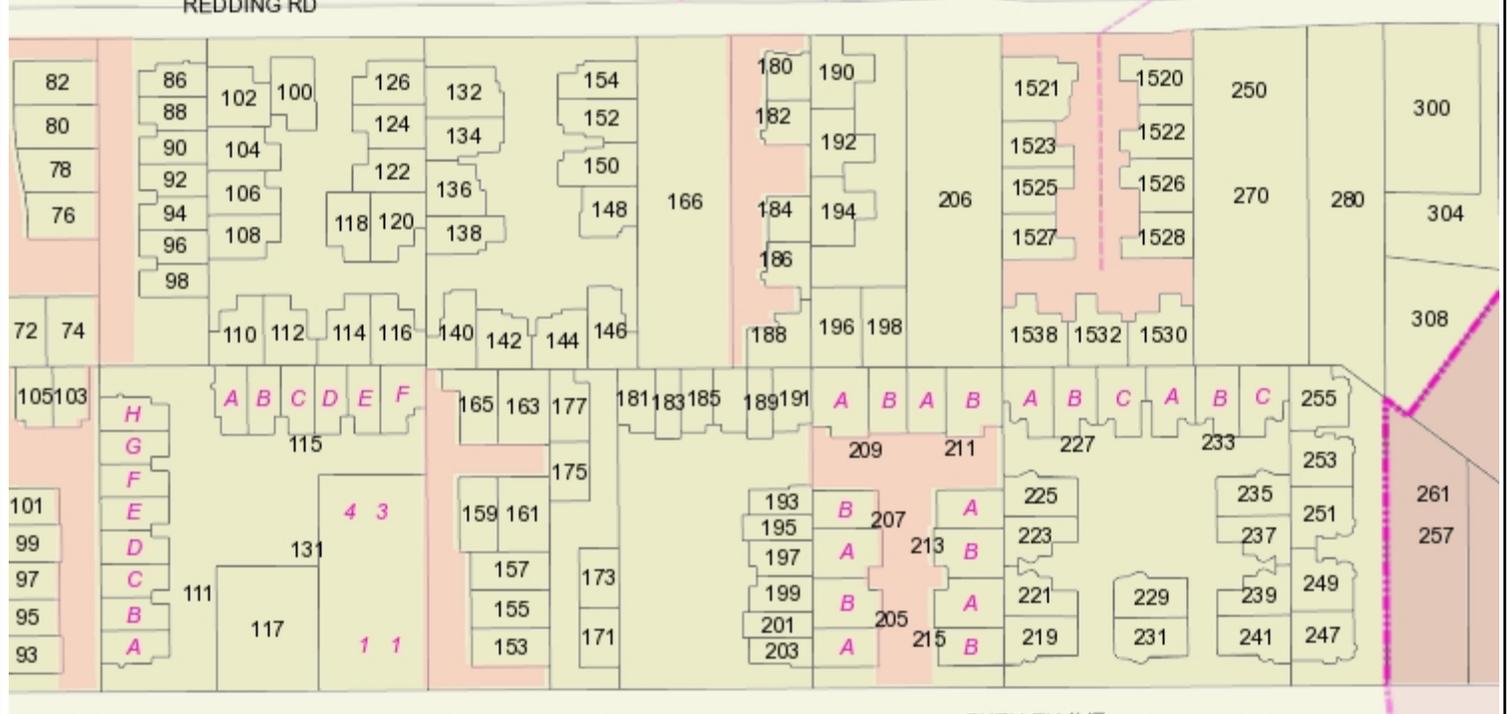
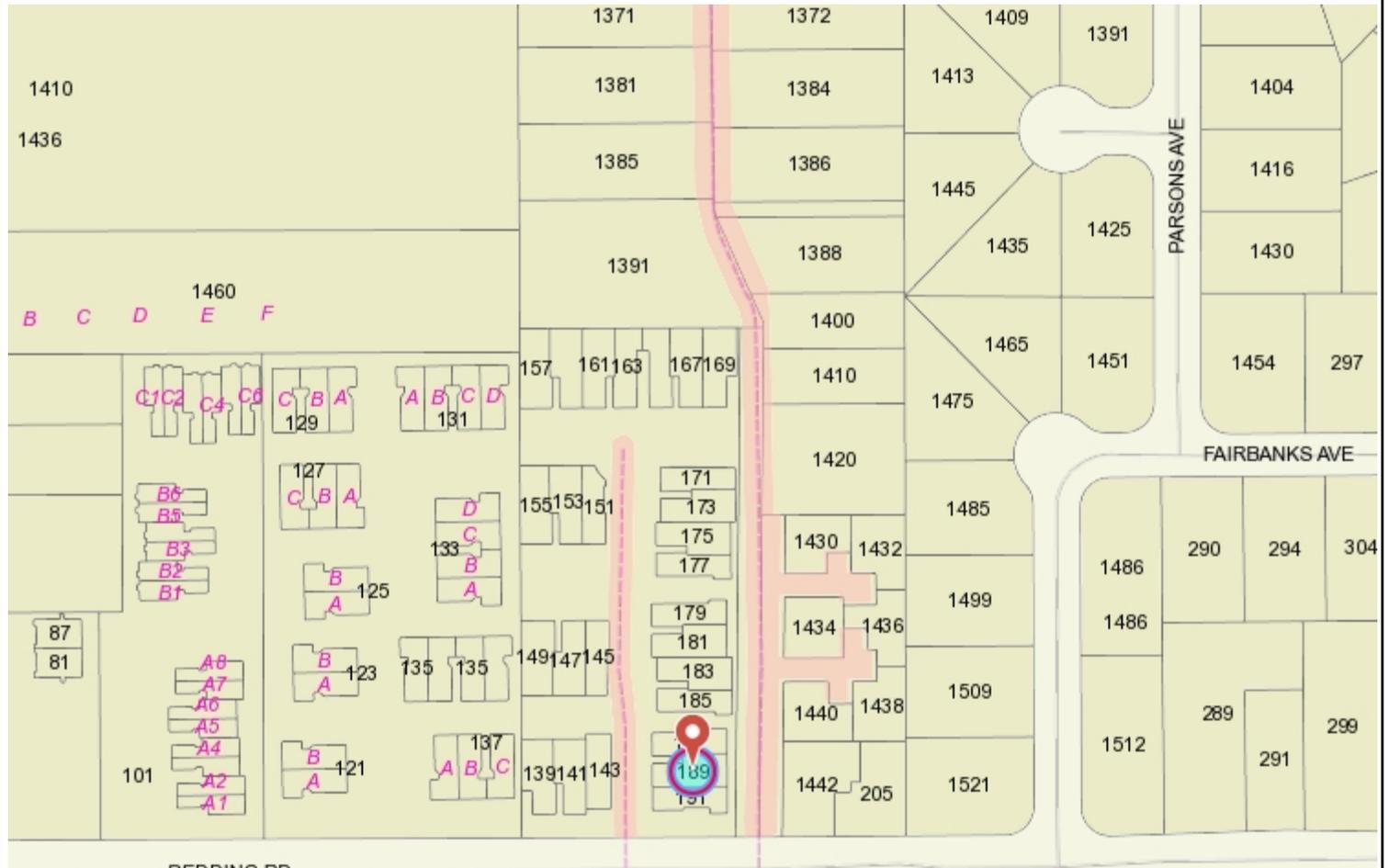
This is your opportunity to provide comments. The 10-day comment period for this application will begin on September 23, 2021, and end on October 4, 2021. Comments regarding this application must be submitted in writing (including email) to the Planning Division before 5:00 p.m. on **October 4, 2021**. No additional notice will be provided. A copy of the Tree Removal Permit application, and all associated documents, are available for review on the City's 'Public Notices' web page (<http://www.cityofcampbell.com/501/Public-Notices>) under 'Administrative Decisions'. City Hall is currently closed to the public.

Decisions by the Community Development Director are final in 10 calendar days following the date of approval, unless an appeal is received in writing (including email) at the Community Development Department, 70 N. First Street, Campbell, prior to the end of the appeal period. A written appeal must be accompanied with the required \$200 appeal filing fee.

Questions or comments regarding this application may be addressed to Naz Healy, Assistant Planner, in the Community Development Department at (408) 866-2140 or planning@campbellca.gov.

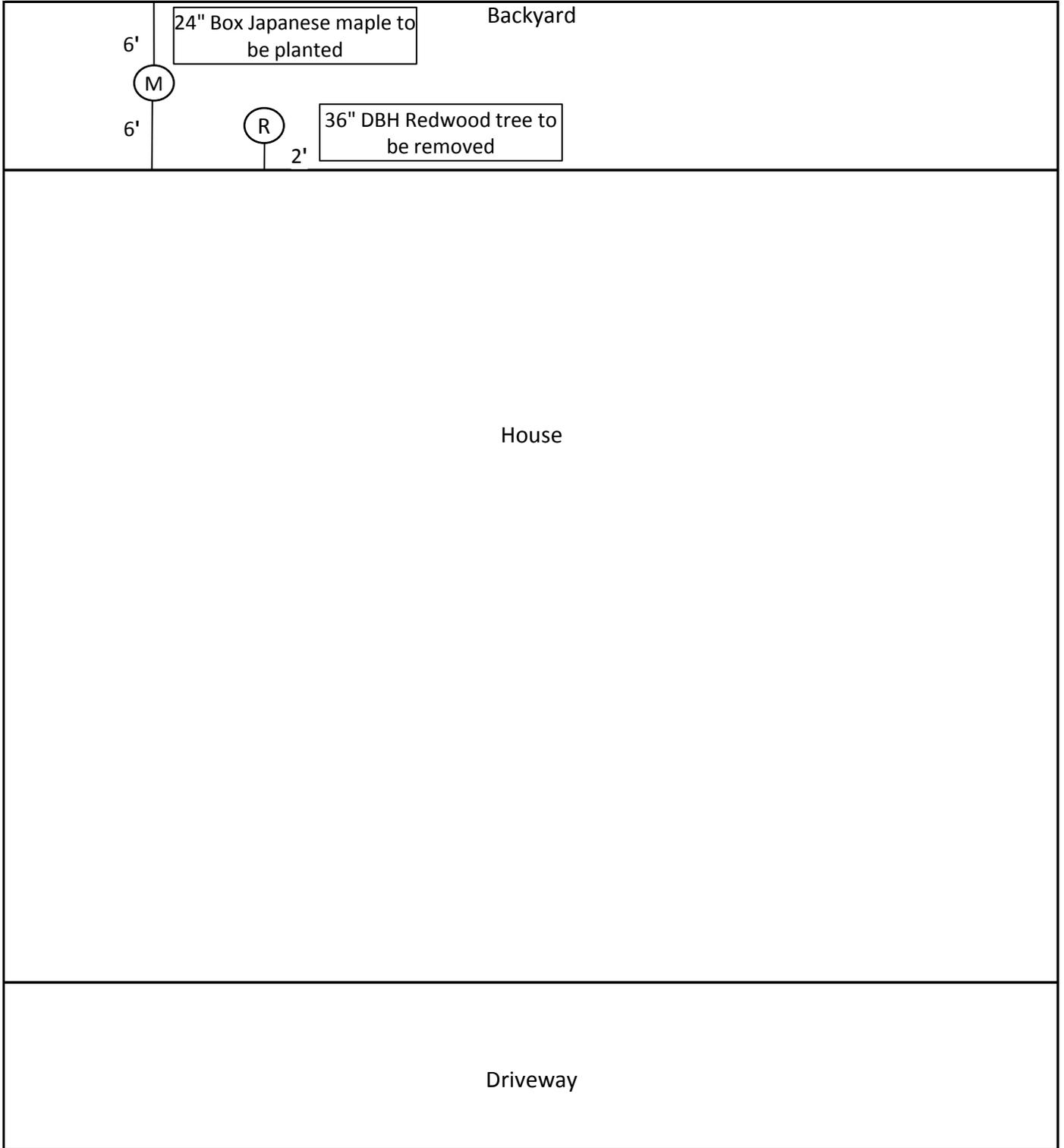


Location Map - 189 Redding Rd.



Tree Removal and Replacement Plan

189 Redding Road, Campbell



Site Photographs

189 Redding Road, Campbell

Location: 189 Redding Road

Description: Redwood- pushing against house foundation



Location: 189 Redding Road

Description: Redwood- pushing against house foundation



Location: 189 Redding Road

Description: Redwood- encroachment resulting in stemwall cracks



Location: 189 Redding Road

Description: Redwood- root system causing hardscape damage





August 30, 2021

City of Campbell Planning Division
70 N. 1st Street
Campbell, CA 95008

Re: Written Statement- Redwood- 189 Redding Road

Planning Division,

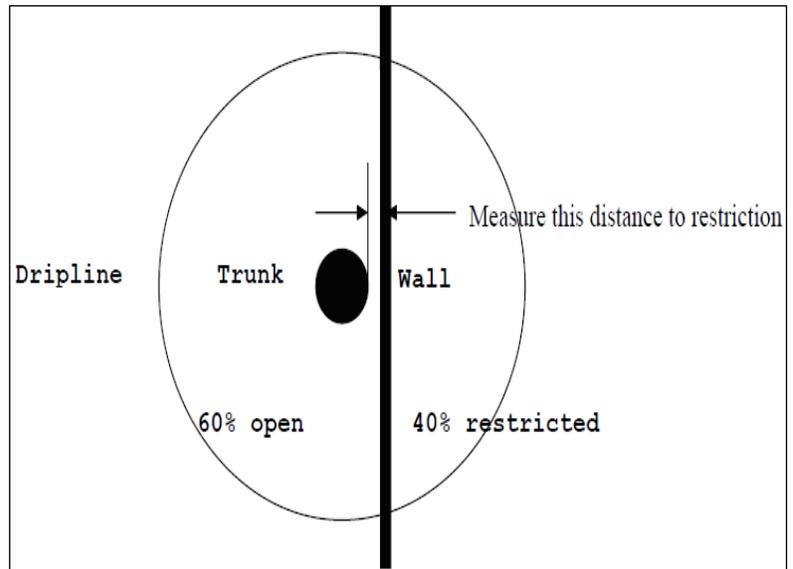
I visited the above-referenced property on July 13, 2021. The reason for the consultation was to evaluate the health and condition of one mature coast redwood (*Sequoia sempervirens*) tree. The goal of the evaluation is to determine the recommended course of action to best ensure the safety of people/residents, as well as adjacent homes and personal property. During my inspection I made no attempt to neither climb the tree nor excavate any soil.

The redwood has a diameter of 36 inches measured at four and one half feet above grade, or diameter at breast height (DBH). The redwood has an approximate crown height and crown spread estimated at 85 and 35 feet, respectively. The redwood is located in the backyard adjacent to the house (2') and in close proximity to high voltage utility lines (20').

On the backyard side of the foundation, adjacent to the subject redwood tree, the inspection revealed one related stem wall foundation crack. The redwood pushing against the home's foundation is the cause of this stem wall distress. I am of the opinion that further foundation damage is inevitable as the tree continues to grow.

This cannot be controlled or remedied through reasonable modification of the tree's root system. Pruning tree roots can negatively impact two critical components of a tree: stability and health. Stability is my immediate concern, particularly with the redwood due to its immense size. Structural roots, which begin at the base of the tree, serve to stabilize the tree and prevent it from falling. The closer to the trunk roots are cut, the greater the probability the tree will become unstable and fall over. Arborist standards for root pruning are specified by the *American National Standards Institute (ANSI) A300 (Part 8) Root Management*. This standard emphasizes the potential for tree decline and destabilization when roots are damaged within six times the trunk diameter (DBH). With the redwood having an approximate 36" DBH, the standard discourages root pruning within 18 feet of the tree's trunk. The standard states that, "when roots are damaged within six times the trunk diameter (DBH), mitigation shall be recommended." Mitigation is not a viable option in this extreme circumstance. The structural integrity of the redwood has been irreversibly compromised.

An additional issue associated with this redwood's location is its inability to naturally extend its root system. The International Tree Failure Database (ITFD) was developed by the USDA Forest Service, in cooperation with the International Society of Arboriculture (ISA), to improve detection and understanding of tree hazards prior to failure. The ITFD Manual cites four categories of root failure which can lead to tree failure. One major predisposing factor for tree failure is a restriction in the rooting space available to a tree (see *Exhibit at right*). Root-impenetrable barriers associated with man-made structures that enter the ground, such as a house foundation, serve to limit a tree's root system. The redwood's close proximity to the home restricts a significant percentage of the available rooting space, or ability for the root system to naturally extend to provide support/stability for the tree. There are no mitigation efforts to address this deficiency.



Based upon the evaluation detailed above, the redwood is located too close to the existing home foundation and structure. The redwood will assuredly grow in size and, as a result, will cause increasing damage to the house foundation. In addition, the redwood's close proximity to the home has significantly restricted the tree's available rooting space and increased the likelihood of failure. There are no mitigation efforts to address this deficiency. The redwood represents a safety hazard to the people /residents, as well as the adjacent homes. I recommend removal of the redwood and replacement with a species better-suited for the location.

Please feel free to contact me should you have questions or need clarification.

Respectfully submitted,

David Gardner
ISA Certified Arborist WE-7853A