

Street Tree Removal

Monterey Cypress – 465 Neptune



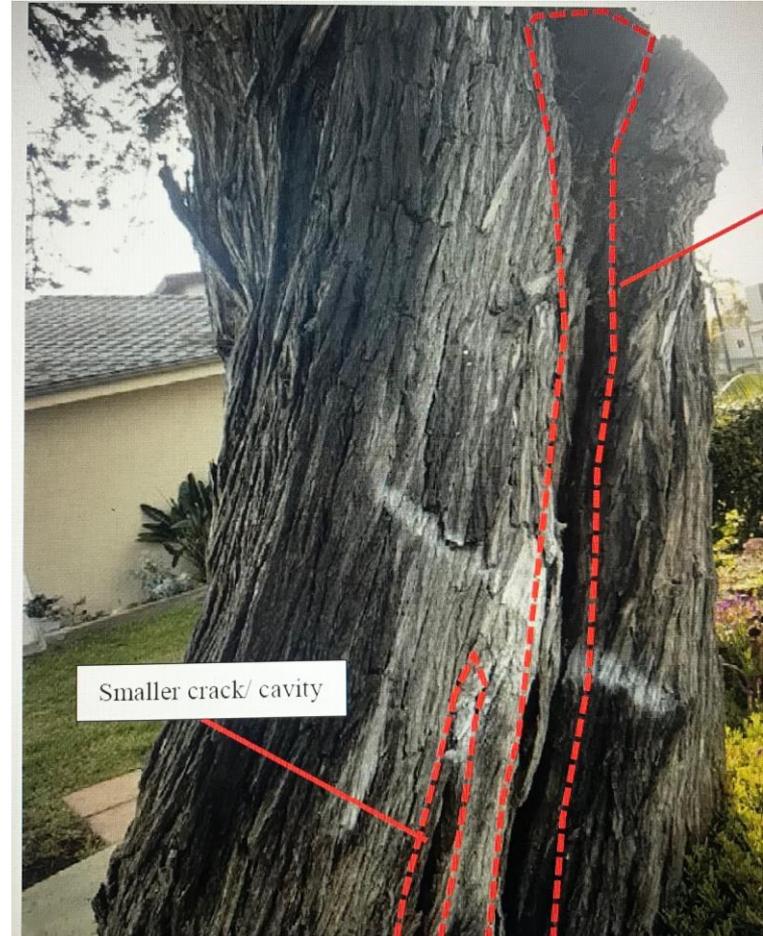
Street Tree Removal Evaluation

1. City received a request to evaluate the health and structure of the tree.
2. Public works notified the City Arborist and requested a review of the tree.
3. City arborist performed a LV 1 evaluation of the tree.
4. Based on observations the City Arborist recommended the tree for removal, and requested that West Coast Arborist, Inc. perform a LV 3 risk evaluation of the tree.
5. WCA determined that the tree presented a high risk and recommended either removal or substantial pruning to mitigate the risk.

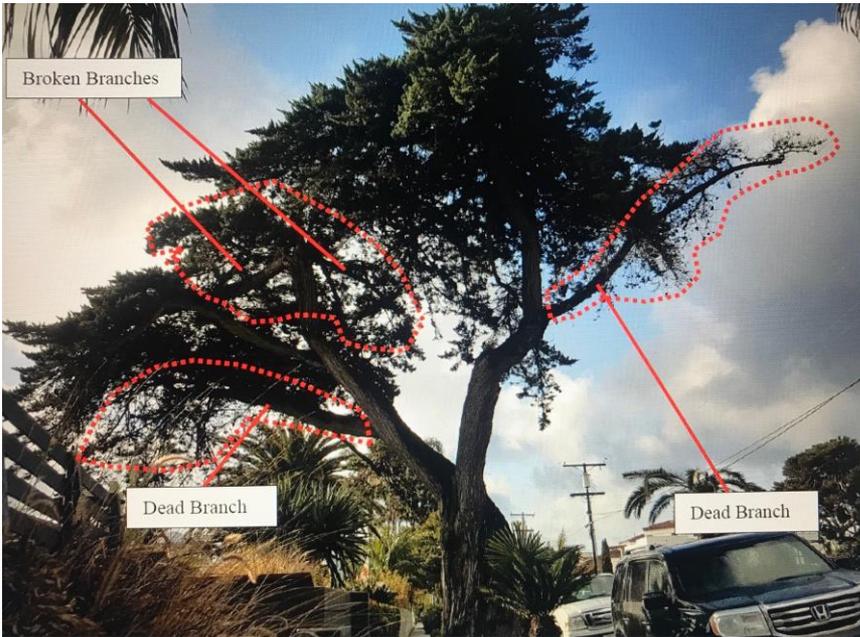


Street Tree Removal Evaluation

6. Due to concerns related to the structural integrity of the tree, the City arborist performed a LV3 evaluation using Sonic Tomography.
7. Tree was found to have high levels of internal damaged and/or decay, and presented a imminent risk to the community and adjacent homeowner.
8. UFAC was notified of the pending removal.
9. Tree was removed.

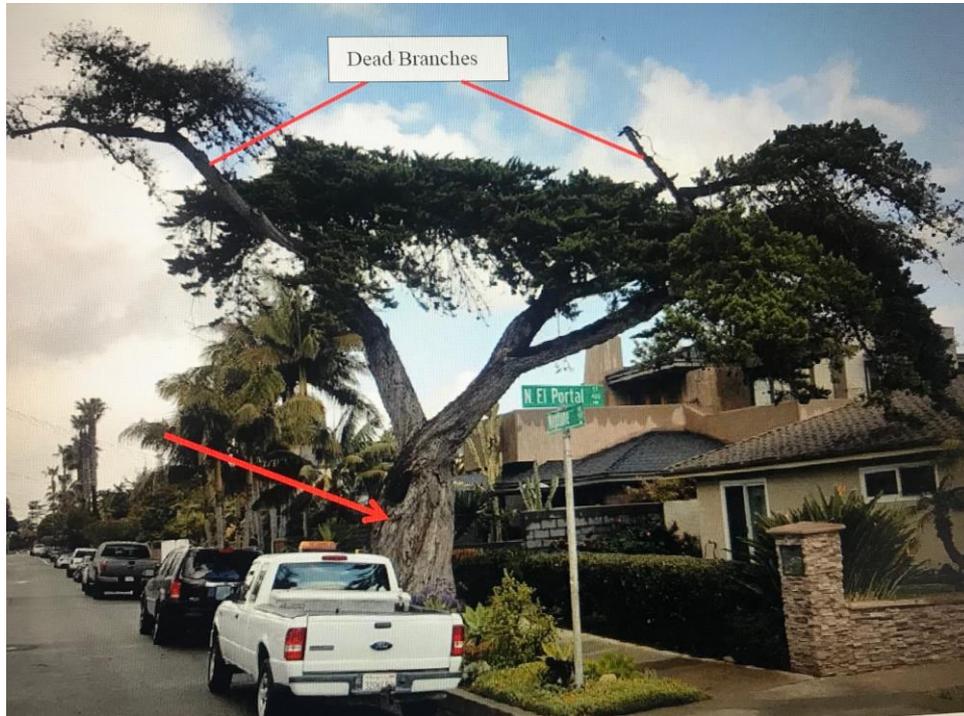


Initial Evaluation



1. Tree was found to be in fair to good health, with the exception of two dead branches.
2. Signs of structural decline
 - a) Two 1- to 3- inch wide cracks that extend at least 1- foot into the tree
 - b) Presence of basal decay
 - c) Termite damage
 - d) When sounded with a mallet the tree has a deep hollow resonating sound
3. Due to the observed defects the tree was considered a risk to the community and adjacent home. Tree was recommended for removal.
4. Request that WCA to verify the findings.

WCA Evaluation

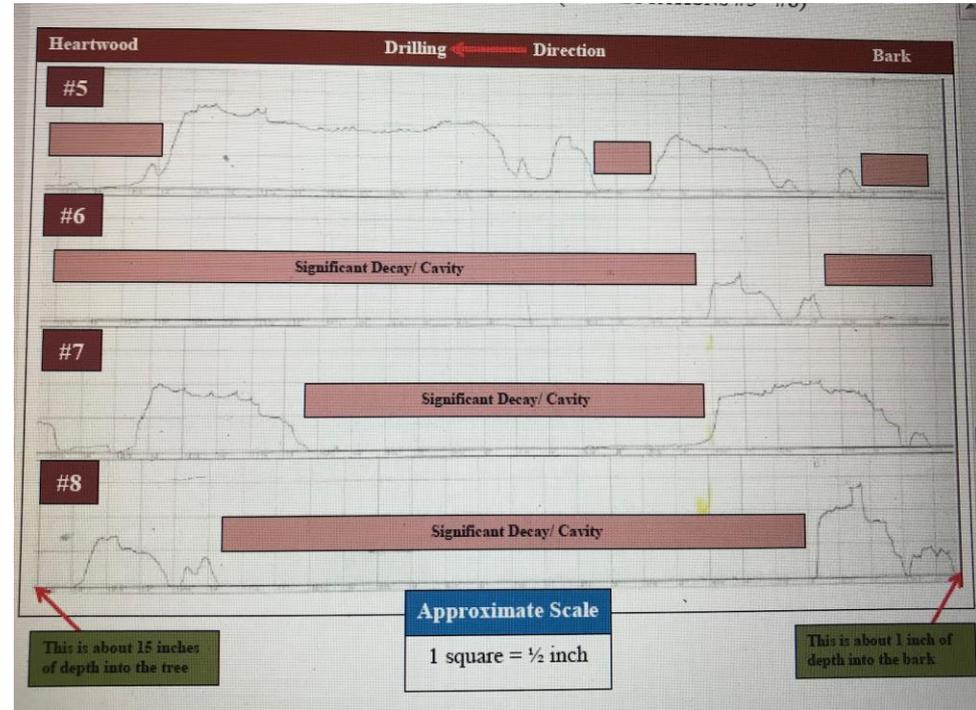


1. WCA performed a LV-3 risk assessment using a Resistograph.
2. During the evaluation WCA found the following:
 - a) Tree has co-dominant stems a unbalanced canopy.
 - b) Two branch failures.
 - c) Old wounds with termite damage
 - d) Dull hollow sound when sounded.
 - e) Two cracks/cavities running vertically along the west side of the tree.
 - f) High level of interspersed decay with the trunk.

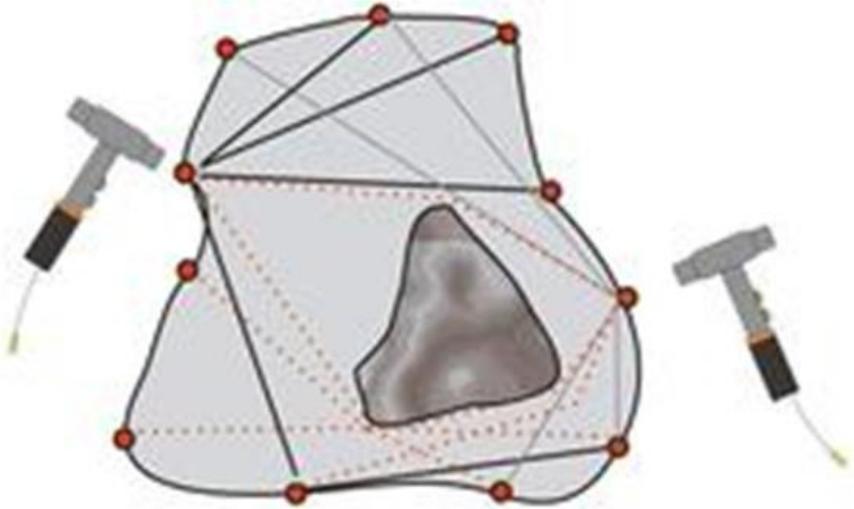
WCA Evaluation

WCA Recommendations

1. Remove and replace
2. Remove all dead, broken, and damaged limbs. Perform reduction and removal pruning cuts on the east side to help balance Canopy.
 - a) This would reduce risk to Moderate.
 - b) Due to structure the ability to make proper cuts would be limited.
 - c) Significantly diminish the trees character and stress the tree further.

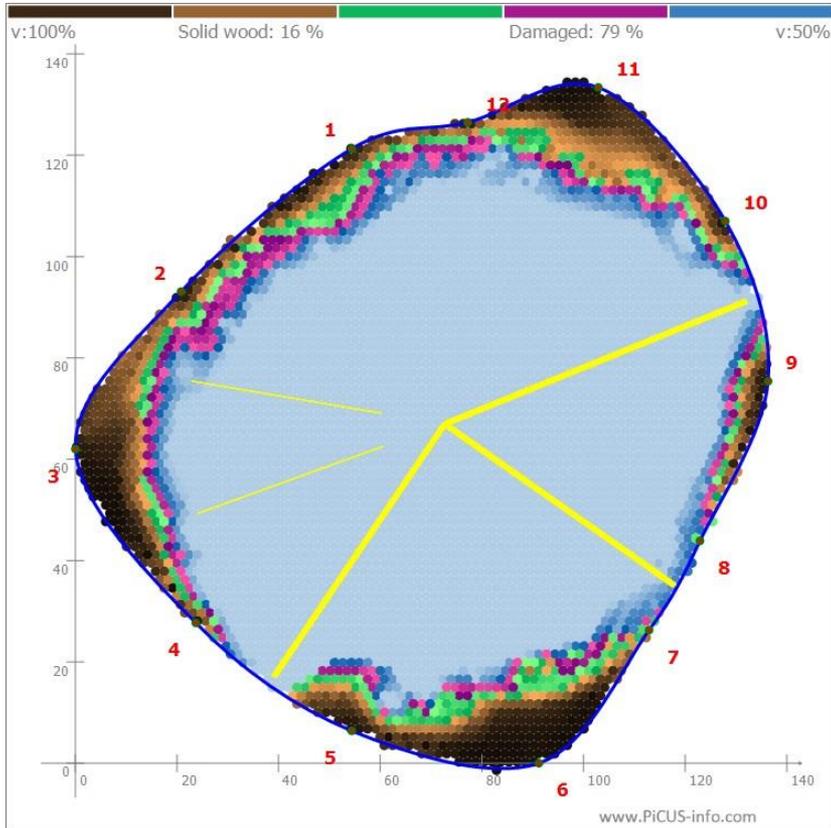


LV3 – City Evaluation



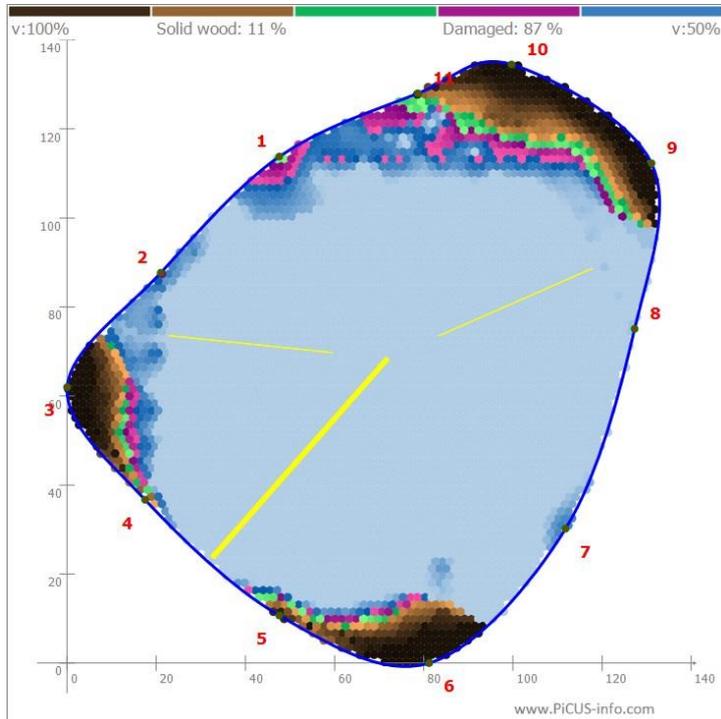
1. Conducted a structural analysis of the tree's trunk with the use of sonic tomography.
2. Sonic tomography detects decay, cavities, and fractures in trees by accurately measuring the velocity of sound waves as they pass through wood.
3. Differences in velocity help determine areas of healthy wood and areas of damaged wood, which has less elasticity and density than healthy wood

LV3 – City Evaluation



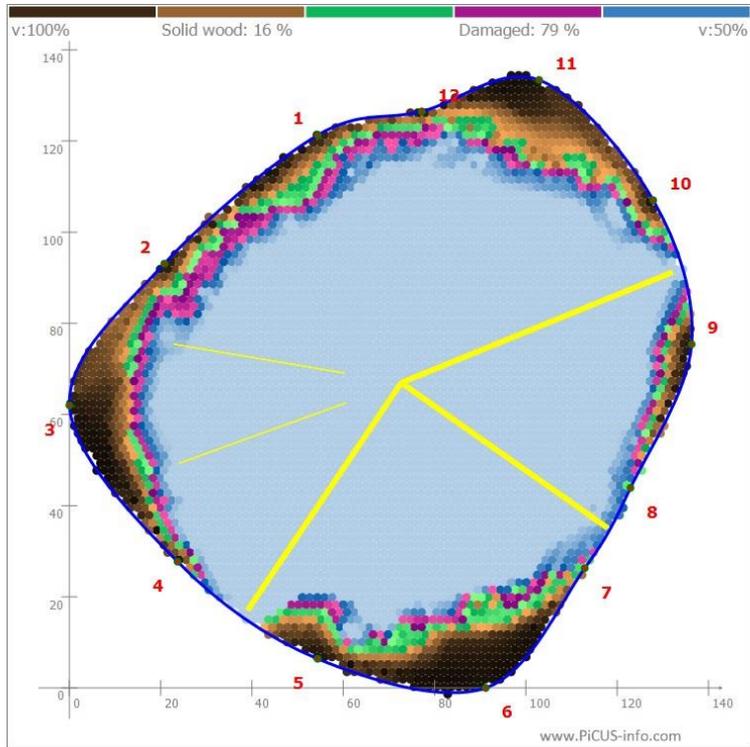
4. The tomogram shows the relative and apparent ability of the wood to transmit acoustic waves.
 5. Provides an output and visual representation that displays different colors based on properties.
- Dark Browns – Areas of healthy wood, where the fastest velocities occur.
 - Green – Varies, but describes the distance between healthy and damaged wood, and can be indicative of early fungus infection.
 - Violets and Blues – Damaged wood.
 - Yellow Lines – Cracks

LV3 – City Evaluation



1. The tree had approximately 16% solid wood, 79% damaged wood, and 5% transitional wood (area between healthy and damaged wood).
2. The average depth of the residual wall thickness (**brown**) ranged from virtually non-existent to a maximum thickness of approximately 6.6 inches.
3. Due to the level of detected damaged wood, the size, and location of the tree, tree was considered to pose a significant threat to the community and was recommended for removal.

LV3 – City Evaluation



Removal Process – Internal Requests

- 1) Tree request is
- 2) Request is received
- 3) Field supervisor
- 4) Reports back to
- 5) City





STREET MAINTENANCE SECTION

Street Tree Removal Request

(Supervisor complete sections A, B, C and return to: Deputy Director Public Works)

Submitted By: John Ugro Date: 4/5/17

SECTION A - Contact Information

Work Order No: 186290
 Property Owner: CITY OF ENCINITAS Phone: (609) 633-2854
 Address: 160 CALLE MASDALEN

SECTION B - Reason for Removal

Description: PINE TREE AT LOCATION IS DEAD

(Dead, Dying, Diseased, Hazardous, Determinant/Crowding, Public Nuisance)

City inspection: Yes Date: 3/15/17 (attach inspection results) No
 Contactor inspection: Yes Date: _____ (attach inspection results) No
 Arborist Report: Yes (Attach report) No
 Tree in inventory: Yes Facility ID #: 14074ETREE No
 Photo attached: Yes No

SECTION C - Required Information:

See Attached Report

Narrative description of tree species (common): _____
 Location: 1923 Crest Dr. Front #3 Area 6F
 Size (DBH, height & crown): 7"-12" 15'-30'
 Condition: DEAD
 Type and severity of defect: DEAD

SECTION D - (Deputy Director Public Works Use Only)

Date of Review: _____ Notes: _____

CONDITIONAL APPROVAL APPROVED DENIED

Notes: 

Deputy Director: _____ Date: 4-11-17

Updated: September, 2014

Note: This is for street tree public requests through

Potential Risk	Count
Inspect-Recommend...	26
Dead Tree	6

not the process for