

**Attachment 1 - Municipal Tree Protection Ordinance Comparison**

	<b>Burbank</b>	
	<b>Public (All Trees)</b>	<b>Private (Select Species)</b>
<b>Illegal Pruning</b>	Misdemeanor	Misdemeanor
<b>Illegal Removal</b>	Assessed Value	Misdemeanor

	<b>Glendale</b>	
	<b>Public (All Trees)</b>	<b>Private (Select Species)</b>
<b>Illegal Pruning</b>	Infraction; or Misdemeanor; and Civil Penalties (\$10K max per offense)	Infraction; or Misdemeanor; and Civil Penalties (\$10K max per offense)
<b>Illegal Removal</b>	Assessed Value; (Permit Denied) = 3 x Assessed Value, and Suspension of Permits	Assessed Value; and Suspension of Permits

	<b>Arcadia</b>	
	<b>Public (All Trees)</b>	<b>Private (Select Species)</b>
<b>Illegal Pruning</b>	Misdemeanor	Misdemeanor
<b>Illegal Removal</b>	Fine; Assessed Value; Planting Replacement Trees; and Suspension of Permits	Fine, Assessed Value, Planting Replacement Trees, and Suspension of Permits

**Attachment 1 - Municipal Tree Protection Ordinance Comparison**

	<b>West Hollywood</b>	
	<b>Public (All Trees)</b>	<b>Private (Protected Heritage Tree)</b>
<b>Illegal Pruning</b>	Misdemeanor, Cost for Corrective Work	Misdemeanor, Cost for Corrective Work
<b>Illegal Removal</b>	Misdemeanor; Administrative Fine, Equal Replacement Cost for Subject Tree	Misdemeanor, Administrative Fine, Equal Replacement Cost for Subject Tree

	<b>Santa Monica</b>	
	<b>Public (All Trees)</b>	<b>Private (Select Species)</b>
<b>Illegal Pruning</b>	Infraction, or Misdemeanor; Administrative Fine, and Civil Penalties	Infraction, or Misdemeanor, Administrative Fine, and Civil Penalties
<b>Illegal Removal</b>	Infraction, or Misdemeanor, Administrative Fine; Civil Penalties; and Assessed Value	Infraction, or Misdemeanor, Administrative Fine, Civil Penalties, and Assessed Value

	<b>Palo Alto</b>	
	<b>Public (All Trees)</b>	<b>Private (Select Species)</b>
<b>Illegal Pruning</b>	Suspension of Permits; and Civil Penalty (\$5K max per offense)	Suspension of Permits, and Civil Penalty (\$5K max per offense)
<b>Illegal Removal</b>	Suspension of Permits, and Civil Penalty (\$5K max per offense); or Assessed Value	Suspension of Permits, and Civil Penalty (\$5K max per offense); or Assessed Value

**City of Pasadena Tree Planting and Protection Conditions**

**Revised 03/21/17 by PNR**

**Purpose**

The following tree protections have been developed to mitigate the potential for tree damage that may otherwise be caused by construction activities. These standards are developed pursuant to Pasadena Municipal Code 8.52

**New Tree Planting (New Construction and Major Renovations)**

New tree plantings are conditions of approval for applicable projects which supports Pasadena's Green City Action Plan by enhancing the City's urban forest.

The applicant shall plant the officially designated street tree per the City's approved Master Street Tree Plan along the boundary of the subject property. The Department of Public Works will confirm eligible planting sites, and will provide the applicant the location, quantity and tree species to be planted as a result of the applicant's project.

Trees planted by the applicant must meet the City's tree stock standards, be inspected by the City, and be planted according to the details provided by the Parks and Natural Resources (PNR) Division. Planting shall include the installation of the following per tree: no less than two tree stakes; one arbor guard; and the use of slow-release fertilizer tablets. The applicant shall contact PNR (626-744-3880) for tree planting approval, a minimum of two (2) months, prior to the issuance of a Certificate of Occupancy.

Trees planted by the applicant must be irrigated by either an existing or a new irrigation system constructed by the applicant. Plans for the irrigation system shall be prepared by a landscape architect registered in the State of California and submitted to PNR for review and approval. Irrigation facilities (main line, valve, pull box, timer, etc.) must be constructed within private property with the exception of the laterals and bubblers. The lateral shall be a minimum of 18" deep, and no above-ground structures are allowed.

Prior to issuance of the Certificate of Occupancy, the applicant shall submit a Tree Guarantee Deposit equal to the cost of all new trees planted to guarantee that newly planted trees are maintained by the applicant for a minimum of three calendar years. Tree maintenance during this period shall include the following: watering no less than once a week; weed removal; reconstruction of tree wells as needed; re-staking as needed; adjustment to grade of any trees that settle; and any other operations needed to assure normal tree growth. The applicant shall replace any newly planted trees which, for any reason, die or whose health is compromised, within the applicant's three-year establishment period. The three-year tree establishment period shall commence on the day that the Certificate of Occupancy is issued. PNR shall inspect all trees planted by the applicant at the end of the three-year establishment period, and if the trees are found to be in good health, the applicant's deposit will be released. If the trees are found to be in poor health, the establishment period may be extended by PNR and the

applicant's deposit shall be held accordingly. Said deposit may be included as part of the construction guarantee if applicable, and is subject to partial refund or additional billing.

### **Tree Protection Zone for Existing City Trees (Through Course of Construction)**

A Tree Protection Zone (TPZ) shall be established for all existing City trees within the scope of a construction project. The TPZ extends from the base of the tree to four (4) radial feet beyond the dripline of a tree and applies to the entirety of the tree – from the roots to the canopy of the tree.

The applicant is prohibited from the following within a designated TPZ: construction vehicle access, construction vehicle operation, staging of materials, and trenching without the consent of the Department of Public Works.

The applicant shall at minimum provide the following within a designated TPZ: mulching, irrigation, and protective fencing.

Prior to the issuance of an permit, the applicant shall submit a Preliminary Tree Protection Plan, prepared by a Landscape Architect or certified Arborist, showing the TPZ and all structures, footings, and grading that may impact City trees shall be submitted to the Department of Public Works, for review and approval. Given that each construction project poses unique conditions, it is the responsibility of the applicant to develop a Tree Protection Plan based off the TPZ standards to the extent feasible. The Plan shall conform to the Tree Protection Standards which specifically require showing the locations of all existing trees, their diameters, canopies, whether the tree is a public tree or private tree, as well as any trees to be planted with their canopy at mature size. The final conditions of the Tree Protection Plan shall be approved by the Forestry Superintendent. A sundry deposit may be required for staff time to review the preliminary plans.

Prior to any construction, tree protections including the installation of fencing to protect public trees must be in place. The fencing material shall be chain-link attached to posts inserted into the ground at the edge of the dripline and shall be a minimum of 4' in height. See Standard Plan S-642 – Tree Protection Chain Link Fencing. Fencing shall maintain visual lines of sight in order to avoid vehicle and pedestrian hazards. Fencing shall include a minimum 8.5" x 11" warning sign with the following information: 'Tree Protection Zone'; name and contact information of project owner or authorized representative; 'Please contact the City of Pasadena Citizen Service Center to report any concerns (626) 744-7311'. All protective fencing must be inspected and approved by Public Works prior to the commencement of any construction.

All new drive approaches shall be at least seven (7) feet clear of the existing street trees measured from the edge of the trunk closest to the drive approach. All public trees shall be protected and fenced with a posting on the fences advising of the tree protection.

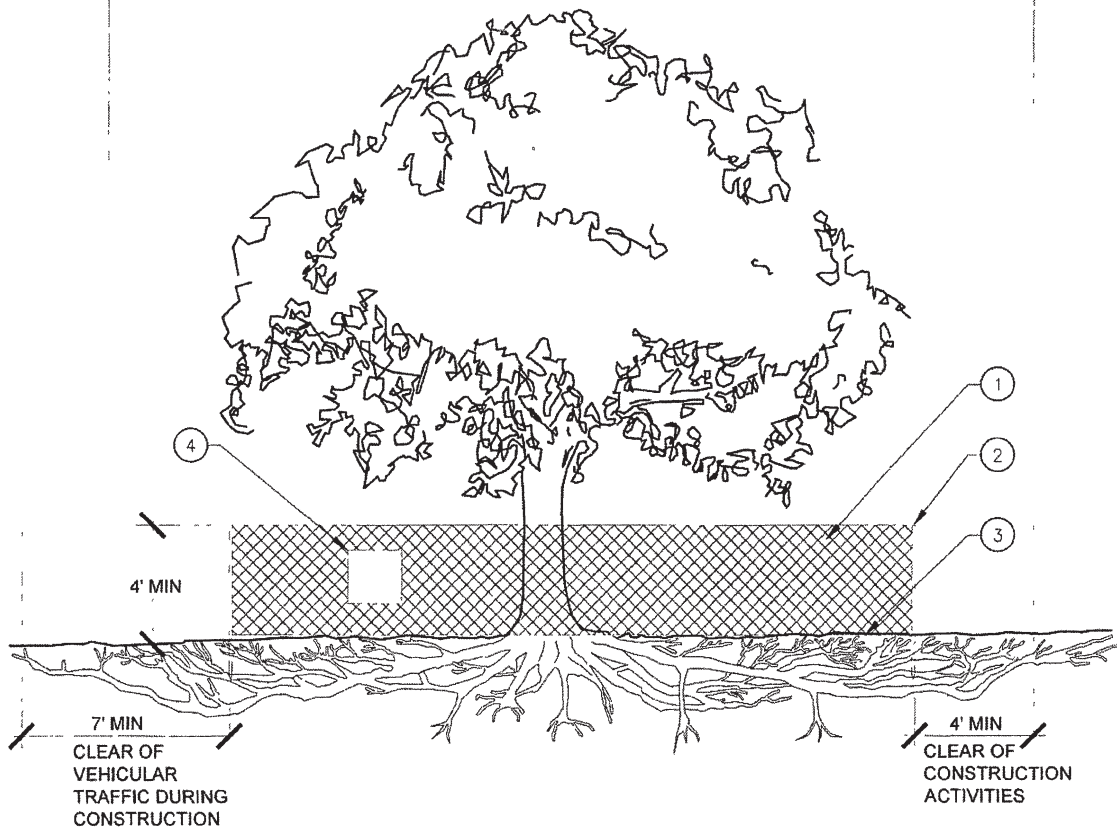
Prior to issuance of any permit, the applicant shall submit a valuation assessment report of the existing public tree(s) along the boundary of their project. The report shall be prepared by a

registered Arborist and submitted to PNR for review and approval. If it is determined that the applicant has failed to care for any City tree within their Tree Protection Plan, and the health of the tree(s) was critically compromised requiring its removal, the applicant shall be liable for the following costs: assessed value of tree determined by a PNR Arborist using a current ISA assessment methodology; the removal cost determined by PNR; and any applicable infraction or administrative fines determined by Code Compliance.

Prior to issuance of any permit, a bond in the amount of the applicant's total liabilities based on the aforementioned approved report shall be submitted to the City. The bond is fully refundable, less administrative fees, upon the satisfaction of Public Works prior to the issuance of a Certificate of Occupancy.

**TREE PROTECTION ZONE MINIMUM**

TREE PROTECTION ZONE (TPZ) IS DRIPLINE PLUS FOUR (4) RADIAL FEET  
 PER TREE PLANTING AND PROTECTION CONDITIONS REVISED 3/15/17  
 FINAL PROTECTED ZONE TO BE DETERMINED BY URBAN FORESTRY STAFF



**LEGEND:**

- ① TREE PROTECTION FENCE - 4' HIGH MINIMUM CHAIN LINK FENCE WITH AN ACCESS GATE
- ② 2" x 6" STEEL POSTS INSTALLED AT 8' ON CENTER, TYPICAL
- ③ MAINTAIN EXISTING GRADE WITHIN THE TREE PROTECTION FENCE.
- ④ 8 1/2" x 11" MIINIMUM RETROREFLECTIVE SIGN WITH THE FOLLOWING INFORMATION 'TREE PROTECTION ZONE', NAME AND CONTACT INFORMATION OF PROJECT OWNER OR AUTHORIZED REPRESENTATIVE; 'PLEASE CONTACT THE CITY OF PASADENA CITIZEN SERVICE CENTER TO REPORT ANY CONCERNS (626) 744-7311'

SIGN MUST BE PROMINENTLY DISPLAYED, SPACED A MAXIMUM OF EVERY 50' ALONG EACH FENCE PERIMETER

**NOTES:**

- 1 REFER TO TREE PROTECTION GUIDELINES AND ORDINANCE FOR ADDITIONAL TREE PROTECTION REQUIREMENTS (THE PUBLIC TREE PROTECTION STANDARD IS PURSUANT TO PMC CHAPTER 8 52)
- 2 NO MATERIALS STORAGE, TRASH, OR EQUIPMENT OPERATION SHALL OCCUR INSIDE THE PROTECTED ZONE
- 3 THE ESTABLISHED PROTECTED ZONE EXTENDS UNDERGROUND AND "TO THE SKY " ANY ENCROACHMENT IS PROHIBITED
- 4 TREE PROTECTION IS APPLICABLE DURING THE CONSTRUCTION, REPAIR, ALTERATION, RELOCATION OR REMOVAL OF ANY BUILDING, STRUCTURE OR ACCESSORY STRUCTURE IN THE CITY.

**CITY OF PASADENA - DEPARTMENT OF PUBLIC WORKS**

DRAWN BY: JANICE ELLIS	<b>PUBLIC TREE PROTECTION CHAIN LINK FENCING</b>	REVISION:	UNITS: ENG
CHECKED BY: JEFF KHUN		STANDARD PLAN.	
SUBMITTED BY: LOREN PLUTH		<b>S-642</b>	
APPROVED BY:		SHEET 1 OF 1	
CITY ENGINEER RCE NO.57442 EXPIRES DECEMBER 31, 2017		DATE	
		S-642 DWG 03/21/17	