



CITY OF CARPINTERIA



STREET TREE MANAGEMENT PLAN
January 2010

Executive Summary

Executive Summary

Since 2009, West Coast Arborists, Inc. has been working with the City of Carpinteria to develop a Street Tree Management Plan.

A complete street tree inventory was performed in 2008. In consultation with the City, it was agreed that the Management Plan should address issues relating to the health and welfare of the City's trees and make recommendations, in cooperation with the Tree Advisory Board, that future generations would benefit from.

A palette of approved street tree species was developed by the Tree Advisory Board and West Coast Arborists, Inc. After review, the palette was organized by the appropriateness of each tree species to planting space widths.

Three species were recommended for each street according to guidelines established by the City. The species recommendations were made with the objectives of maintaining the health and aesthetics of the street tree population while reducing maintenance costs.

CITY OF CARPINTERIA

MASTER STREET TREE PLAN

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Section 1

Introduction

Introduction

In cooperation with the City of Carpinteria, West Coast Arborists, Inc. has been working to develop a plan to manage the growth of the City's street trees. It is important that the City of Carpinteria and its staff adopt goals and standards pertaining to the Street Tree Management Plan as a way to maintain and care for the city's trees. These goals are essential in the care of a hearty urban forest as well as ensuring a standard for which the neighborhood and downtown trees shall be cared for in the years to come.

STEPS IN THE MASTER PLAN PROCESS

- Set goals and guidelines
- Create and approve a species palette
- Perform a complete inventory of trees and vacant planting sites
- Create a tree species planting plan reflecting goals for the tree population
- Obtain community input
- Implement the plan

GOALS

The following goals were identified in consultation with City staff:

- To implement the policies and objectives of the city's general plan, local coastal plan and Carpinteria Municipal Code.
- To provide for the health and safety of the 2,644 street trees currently planted in the City of Carpinteria.
- To incorporate citizen and neighborhood input into the decision-making process to establish a list of pre-approved replacement tree species to be planted when a street tree has been removed, either because it has died or become hazardous.
- To provide for planting and maintenance of uniform streetscape on individual streets.
- To ensure diversification of tree species throughout the City and within each major section of the City, as a key to ensuring a feel good quality of life and a healthy urban forest.
- To ensure that each planting space in the City is planted, unless conditions prohibit doing so.
- To designate appropriate replacement tree species for specific planting locations based on the species' aesthetic interest, adaptability to the streetscape environment, width of the planting space, presence of overhead utilities, and ease of long-term maintenance.



GUIDELINES

- Species recommendations consider growing space size, presence of overhead utilities and current primary species
- Separate recommendations will be made for Special Condition Streets
- Species history and appropriateness in Carpinteria
- Height and spread

PARKWAY OR GROWING SPACE

Critical to the success of any Street Tree Management Plan is an understanding of parkway size. For the purposes of this Management Plan, parkway may be defined as *growing space*. It is the minimum dimension of available planting space at an address. Parkway may take the form of the space between curb and sidewalk, cut or formed tree wells, or the spaces behind monolithic curb/sidewalk.

TREE PALETTE

A palette of tree species is no more than a list of trees with the fewest faults specific to the conditions of the street where they will be planted. To serve a community well, trees should be of long life and attractive at old age. They should be reasonably free of insects or diseases and should have a well behaved, deep root system that does not buckle sidewalks or enter sewer lines. They must withstand the elements and require a minimum of maintenance.

The tree species selected in consultation with the city were classified according to their suitability for a particular parkway or growing space width, appropriateness for Carpinteria’s climatic conditions and mature height range. Selecting a tree species that is appropriate for the growing space width and available overhead space is the best way to control long-term infrastructure repair costs.

TREE INVENTORY

A complete inventory of all the street trees and vacant planting sites located in the city’s right-of-way was performed.

Total number of street trees	2,644
Total number of vacant planting sites	275

TREES RECOMMENDED FOR REMOVAL

During the inventory, trees in poor condition, or growing in inappropriate locations were identified. Trees were recommended for possible removal according to various criteria:

Dead, diseased or declining	29
Poorly structured	4
Stumps	10
Total trees recommended for removal	43

Once these trees and stumps have been removed, they may also be replaced by selections from the Planting Plan.

COMMUNITY OUTREACH

Contained in the Master Plan are examples of community contact letters, postcards and a door hanger. These materials may be used during removal, trimming or planting operations to inform homeowners that maintenance will occur at their locations.

IMPLEMENTING THE PLANTING PROGRAM

Upon City approval, community outreach letters are sent to the home owners regarding the planting operation. The resident has two weeks to respond on whether or not they would like to receive the tree in their parkway. A return post card and a web address, where photos of the tree species can be viewed are included in the letter.

Approximately three weeks after the letters are mailed the planting operation begins and all locations without a response of “no” receive a tree planted in their parkway. Each day the planting is performed, the Foreman updates the inventory with the tree sizes, date planted and sidewalk damage, if any.

Immediately after the trees are planted an educational tree care door hanger that explains procedures for proper care and maintenance is distributed to the applicable residences.

Section 2

Special Conditions

Protocol for Special Condition Streets

- Post neighborhood (15 days prior) to notify residents of the community discussion to be held regarding the strategy of handling trees.
- Conduct neighborhood/community meeting regarding the street tree recommendations (feedback)
- TAB (Tree Advisory Board) meeting (post neighborhood) to provide recommendations for tree issues. Factors involved include: damage to sidewalk, services (overhead and underground), bulb outs, setback, reduce road width, tree species not on approved list, remove and replace species, retain, etc.)
- TAB to present recommendations to City Council.

Special Condition Streets:

- Linden Avenue (Tipus)
- Seventh St. (Stone Pines)
- Carpinteria Avenue (Stone Pines)
- Arbol Verde (Shamel Ash)
- Calle Rey Mar (Shamel Ash)
- La Manida (Shamel Ash)
- Camino Trillado (Shamel Ash)
- Dariesa St. (Carrot Wood)
- Ogan Rd. (Carrot Wood)

Section 3

Tree Roots Pertaining to: Sanitary & Water Lines

Tree Roots Pertaining to Sanitary and Water Lines

- Tree roots generally do not invade sewage pipes unless those pipes are leaking and water is seeping into the surrounding soil. Tree roots are opportunistic by nature and will always seek out water and nutrients.
- Many old water and sewer pipes (usually terracotta or asbestos wrapped) are at least thirty years or more in age and will inevitably start leaking at some time. This is usually the time when tree roots will penetrate into a sewage/water network.
- This problem can easily be resolved by the replacement of the old terra cotta/asbestos wrapped pipes with modern PVC plastic pipes. Sewage/water pipe maintenance should be part of the overall property maintenance and should take place when pipes show the first signs of leakage or tree root intrusion.
- People often mistakenly believe that simply removing a tree growing near a sewage/water blockage will fix the problem, but this is usually not the case. The overriding consideration should be to treat the cause (pipes), not the symptom (tree roots).
- New planting considerations should be done in regards to the depth and safe distance of sewage, water, gas, and utility pipes/lines.

Section 4

Species Palette

Carpinteria Species Palette

Parkway	Botanical Name	Common Name	Zones	Height	Spread	Type
2'+	<i>Arbutus 'Marina'</i>	Arbutus Marina	8,9,14-24	40	40	evergreen
2'+	<i>Callistemon citrinus</i>	Lemon Bottlebrush	8,9,12-24	25	20	evergreen
2'+	<i>Cercis canadensis 'Forest Pansy'</i>	Forest Pansy Redbud	1-24	20	20	deciduous
2'+	<i>Cercis canadensis 'Oklahoma'</i>	Oklahoma Redbud	1-24	20	20	deciduous
2'+	<i>Chionanthus retusus</i>	Chinese Fringe Tree	3-9,14-24	20	15	deciduous
2'+	<i>Heteromeles arbutifolia</i>	Toyon	5-9,14-24	25	20	evergreen
2'+	<i>Ilex altaclarensis 'Wilsonii'</i>	Wilson Holly	3b-24	20	12	evergreen
2'+	<i>Photinia fraseri</i>	Fraser Photinia	3b,4-24	15	10	evergreen
2'+	<i>Syagrus romanzoffianum</i>	Queen Palm	12,13,15-17,19-24	50	25	evergreen
2'+	<i>Trachycarpus fortunei</i>	Windmill Palm	4-24	30	10	evergreen
2'+	<i>Tristania laurina</i>	Water Gum	15-24	15	10	evergreen
3'+	<i>Bauhinia blakeana</i>	Hong Kong Orchid	13,19,21,23,24	20	20	semi
3'+	<i>Cercis canadensis</i>	Eastern Redbud	1-24	35	30	deciduous
3'+	<i>Cercis canadensis 'Alba'</i>	White Redbud	1-3, 7-20	20	20	deciduous
3'+	<i>Chitalpa tashkentensis</i>	Chitalpa	3-24	30	30	deciduous
3'+	<i>Hymenosporum flavum</i>	Sweetshade	8,9,14-24	40	20	evergreen
3'+	<i>Livingstonia spp.</i>	Fountain Palm	3-17, 19-27	40	8	palm
3'+	<i>Magnolia grandiflora 'Little Gem'</i>	Little Gem Magnolia	4-12, 14-24	25	15	evergreen
3'+	<i>Magnolia grandiflora 'Russett'</i>	Russett Magnolia	4-12,14-24	50	20	evergreen
3'+	<i>Magnolia grandiflora 'Saint Mary'</i>	Saint Mary Magnolia	4-12,14-24	20	20	evergreen
3'+	<i>Pittosporum phillyreoides</i>	Willow Pittosporum	8,9,12-24	20	15	evergreen
3'+	<i>Podocarpus henkelii</i>	Long-leafed Yellowwood	8,9,14-24	35	15	evergreen
3'+	<i>Pyrus calleryana</i>	Ornamental Pear	2b-9, 14-21	50	50	deciduous
3'+	<i>Pyrus calleryana 'Aristocrat'</i>	Aristocrat Pear	2b-9,14-21	40	20	deciduous
3'+	<i>Pyrus calleryana 'Redspire'</i>	Redspire Pear	2b-9,14-21	35	20	deciduous
3'+	<i>Pyrus kawakamii</i>	Evergreen Pear	8,9,12-14	30	30	evergreen
5'+	<i>Agonis flexuosa 'Jervis Bay Afterdark'</i>	After Dark Peppermint Tree	15-17,20-24	30	30	evergreen
5'+	<i>Callistemon viminalis</i>	Weeping Bottlebrush	6-9,12-24	30	15	evergreen
5'+	<i>Cassia leptophylla</i>	Gold Medallion tree	15,16,20-24	25	30	evergreen
5'+	<i>Eucalyptus deglupta</i>	Mindanao Gum	19-24	80	30	evergreen
5'+	<i>Eucalyptus nicholii</i>	Nichol's Willow-leafed Peppermint	5,6,8-24	45	35	evergreen
5'+	<i>Fraxinus oxycarpa 'Raywood'</i>	Raywood Ash	2b-9,12-24	35	25	deciduous
5'+	<i>Geijera parviflora</i>	Australian Willow	8,9,12-24	30	20	evergreen
5'+	<i>Ginkgo biloba</i>	Autumn Gold Ginkgo	1,10,12,14-24	50	30	deciduous
5'+	<i>Ginkgo biloba 'Princeton Sentry'</i>	Princeton Sentry Ginkgo	1-10, 12, 14-24	50	20	deciduous
5'+	<i>Ginkgo biloba 'Saratoga'</i>	Saratoga Ginkgo	1-10, 12, 14-25	40	30	deciduous
5'+	<i>Jacaranda mimosifolia</i>	Jacaranda	12-13,15-24	40	30	semi
5'+	<i>Koelreuteria paniculata</i>	Goldenrain Tree	2-24	35	40	deciduous
5'+	<i>Magnolia grandiflora 'Samuel Sommer'</i>	Sammuel Sommer Magnolia	4-12, 14-24	30	30	evergreen
5'+	<i>Markhamia hildebrandtii</i>	Markhamia	22-24	30	20	evergreen
5'+	<i>Melaleuca linariifolia</i>	Flaxleaf Paperbark	9,13-24	30	25	evergreen

Carpinteria Species Palette

Parkway	Botanical Name	Common Name	Zones	Height	Spread	Type
5'+	<i>Melaleuca quinquenervia</i>	Cajeput Tree	9,12,13,15-17,20-24	40	25	evergreen
5'+	<i>Metrosideros excelsus</i>	New Zealand Christmas Tree	16,17,23,24	30	30	evergreen
5'+	<i>Olea europaea 'Swan Hill'</i>	Swan Hill Olive	8,9 11-24	25	25	evergreen
5'+	<i>Pinus eldarica</i>	Afghan Pine	7-9,11-24	80	25	evergreen
5'+	<i>Pistacia chinensis</i>	Chinese Pistache	4-16,18-23	60	50	deciduous
5'+	<i>Quercus tomentella</i>	Island Oak	7-9, 14-17, 19-24	50	30	evergreen
5'+	<i>Sophora japonica</i>	Japanese Pagoda Tree	2-24	50	50	deciduous
5'+	<i>Stenocarpus sinuatus</i>	Firewheel Tree	16, 17, 20-24	40	25	evergreen
5'+	<i>Tabebuia avellanadae</i>	Lavender Trumpet Tree	15,16,20-24	40	40	semi
5'+	<i>Ulmus parvifolia 'Drake'</i>	Drake Elm	3-24	50	60	semi
5'+	<i>Ulmus parvifolia 'True Green'</i>	True Green Elm	3-24	50	60	semi
8'+	<i>Koelreuteria bipinnata</i>	Chinese Flame Tree	8-24	40	40	deciduous
8'+	<i>Liquidambar styraciflua 'Rotundiloba'</i>	Round-leafed Sweetgum	3-9,14-24	60	25	deciduous
8'+	<i>Lophostemon confertus</i>	Brisbane Box	15-17,19-24	45	25	evergreen
8'+	<i>Platanus acerifolia 'Bloodgood'</i>	Bloodgood Plane Tree	2-24	80	40	deciduous
8'+	<i>Platanus acerifolia 'Yarwood'</i>	Yarwood Plane	2-24	60	40	deciduous
8'+	<i>Podocarpus gracilior</i>	Fern Pine	8,9,13-24	60	25	evergreen
8'+	<i>Quercus agrifolia</i>	Coast Live Oak	7-9,14-24	70	80	evergreen
8'+	<i>Quercus virginiana</i>	Southern Live Oak	4-24	60	100	evergreen

Specialty Pricing

Not Available

2'+ Parkway

MARINA ARBUTUS

Arbutus 'Marina'



LEMON BOTTLEBRUSH

Callistemon citrinus



FOREST PANSY REDBUD

Cercis c. 'Forest Pansy'



OKLAHOMA REDBUD

Cercis c. 'Oklahoma'



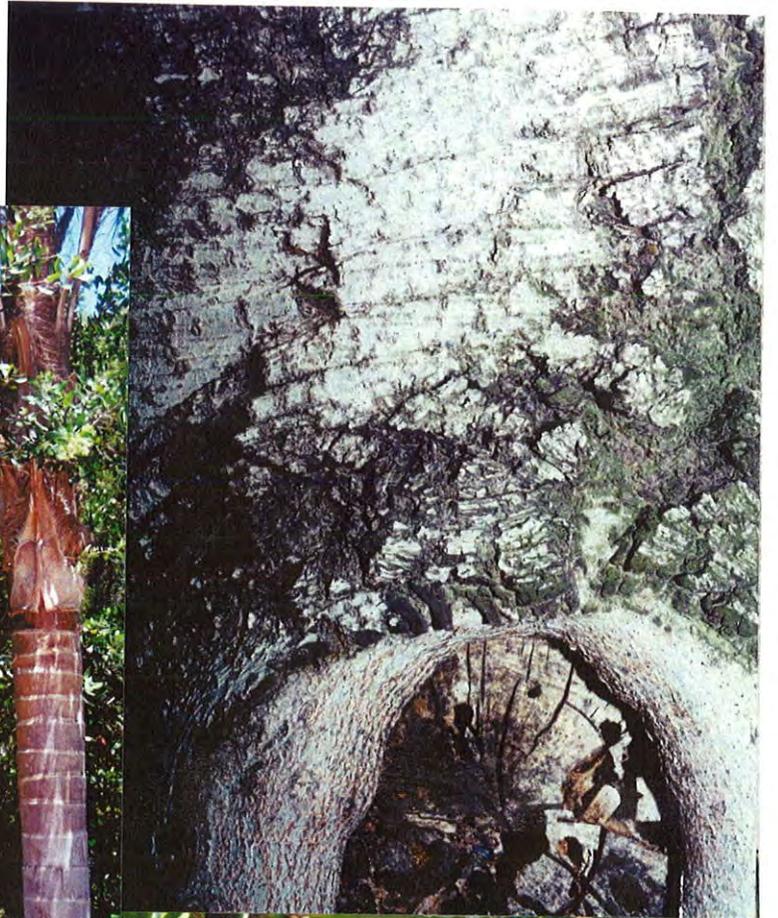
CHINESE FRINGE TREE

Chionanthus retusus



TOYON

Heteromeles arbutifolia



WILSON HOLLY

Ilex altaclara. 'Wilsonii'

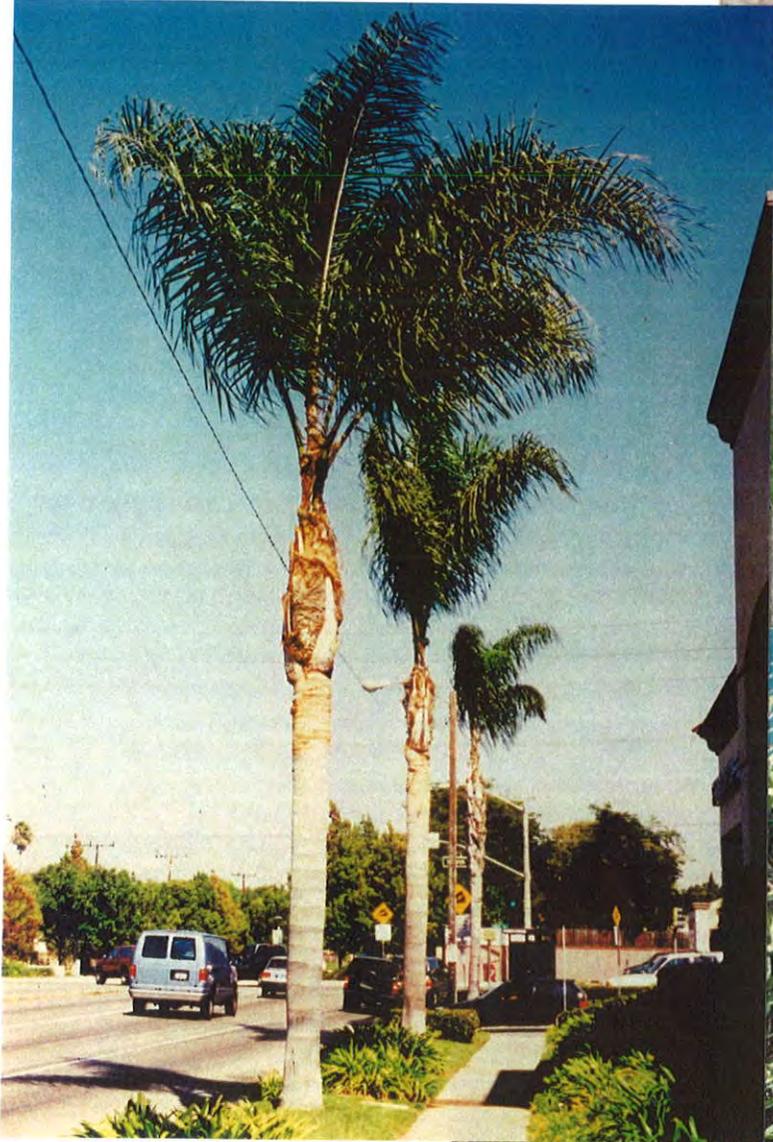


FRASER'S PHOTINIA

Photinia fraseri



QUEEN PALM
Syagrus romanzoffianum



WINDMILL PALM

Trachycarpus fortunei



WATER GUM

Tristania laurina



3'+ Parkway

HONG KONG ORCHID TREE

Bauhinia blakeana



EASTERN REDBUD

Cercis canadensis

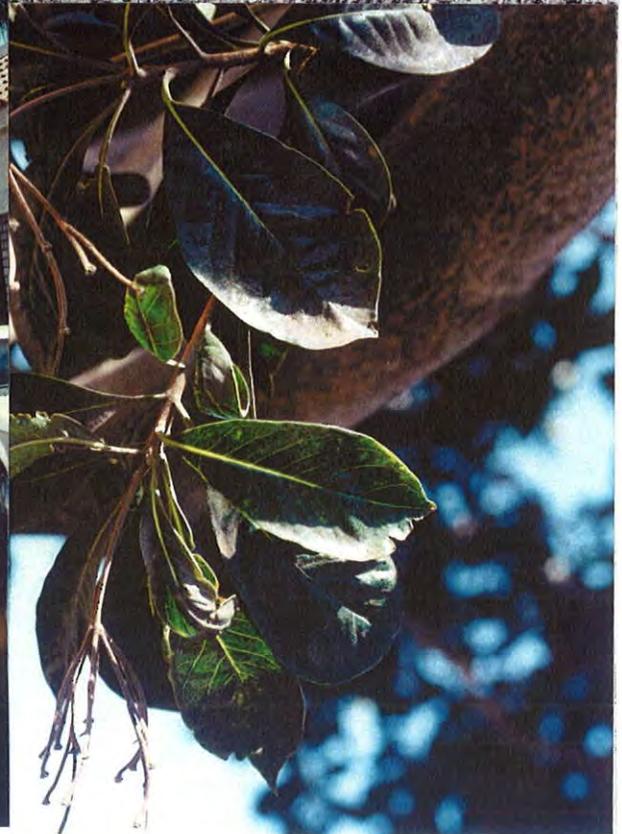
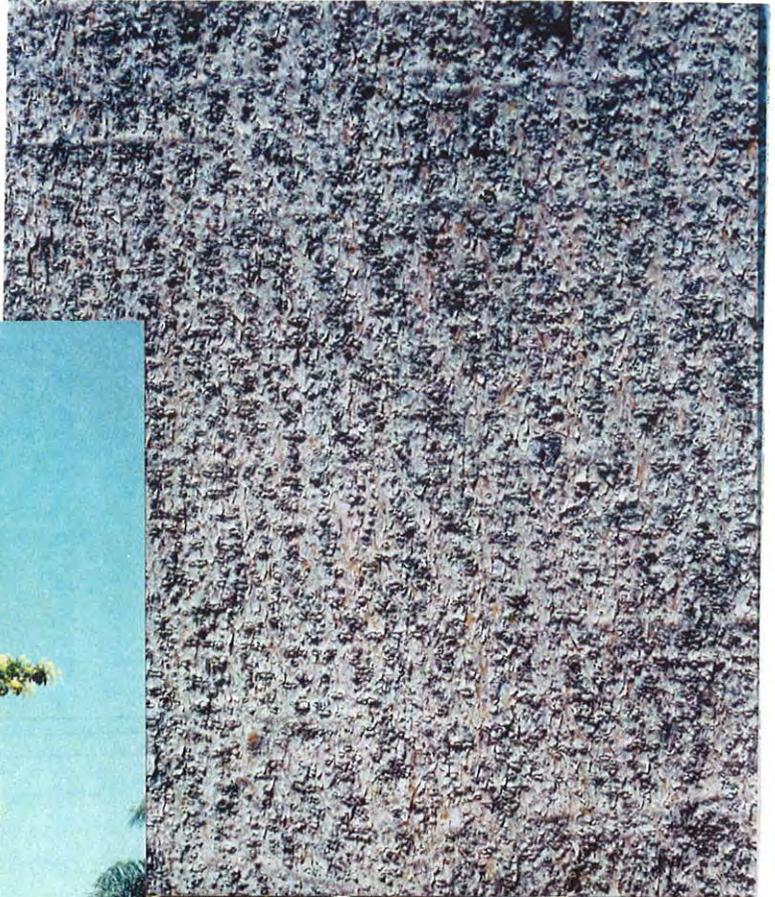


CHITALPA

Chitalpa tashkentensis

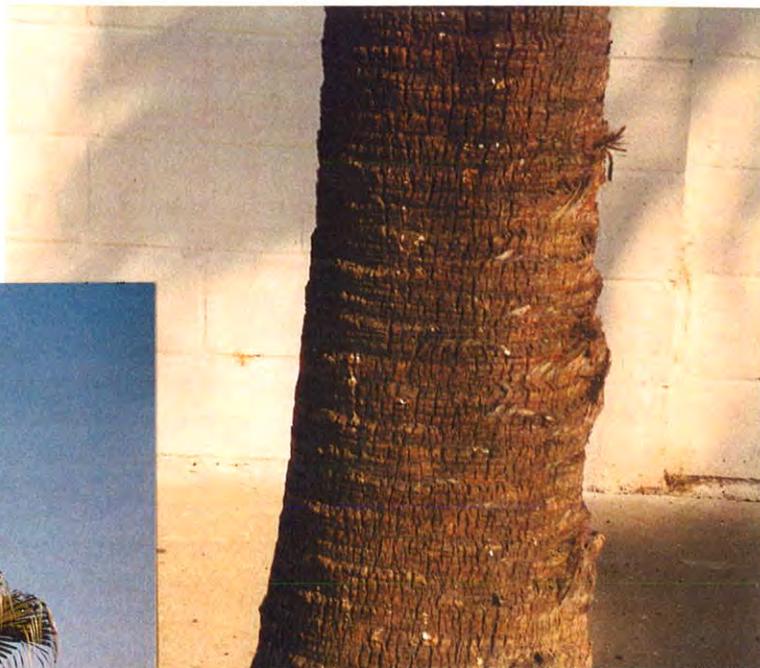
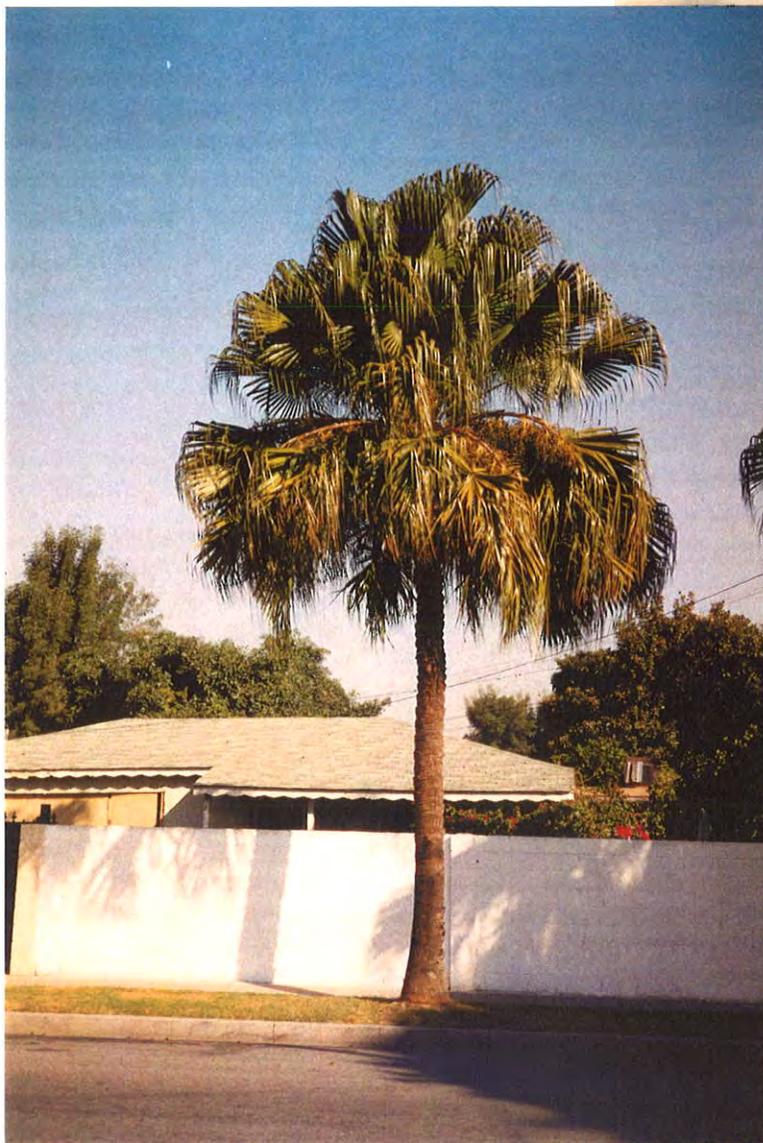


SWEETSHADE
Hymenosporum flavum



FOUNTAIN PALM

Livistona spp.



SAINT MARY MAGNOLIA

Magnolia g. 'St. Mary'



LITTLE GEM MAGNOLIA

Magnolia g. 'Little Gem'



WILLOW PITTOSPORUM

Pittosporum phillyreoides



LONG-LEAFED YELLOWWOOD

Podocarpus henkelii

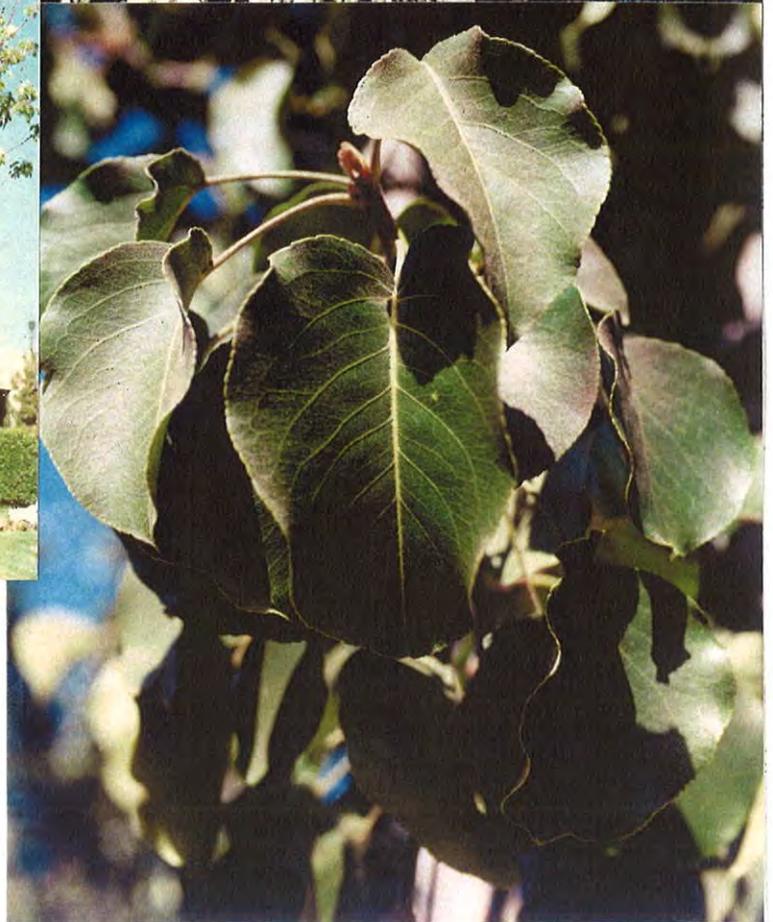


ORNAMENTAL PEAR

Pyrus calleryana

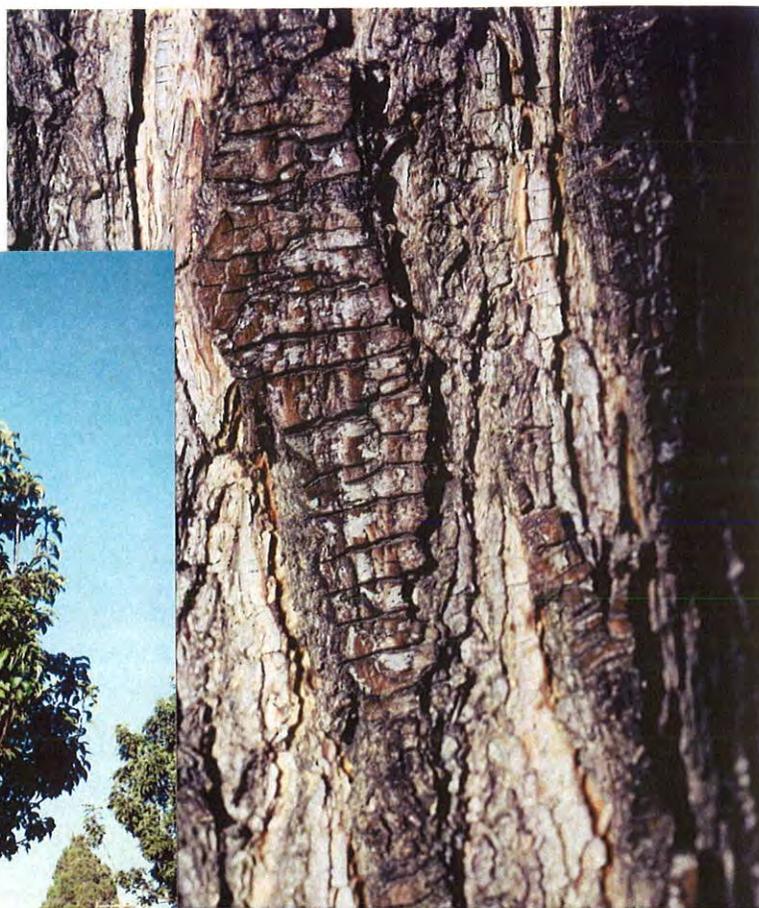
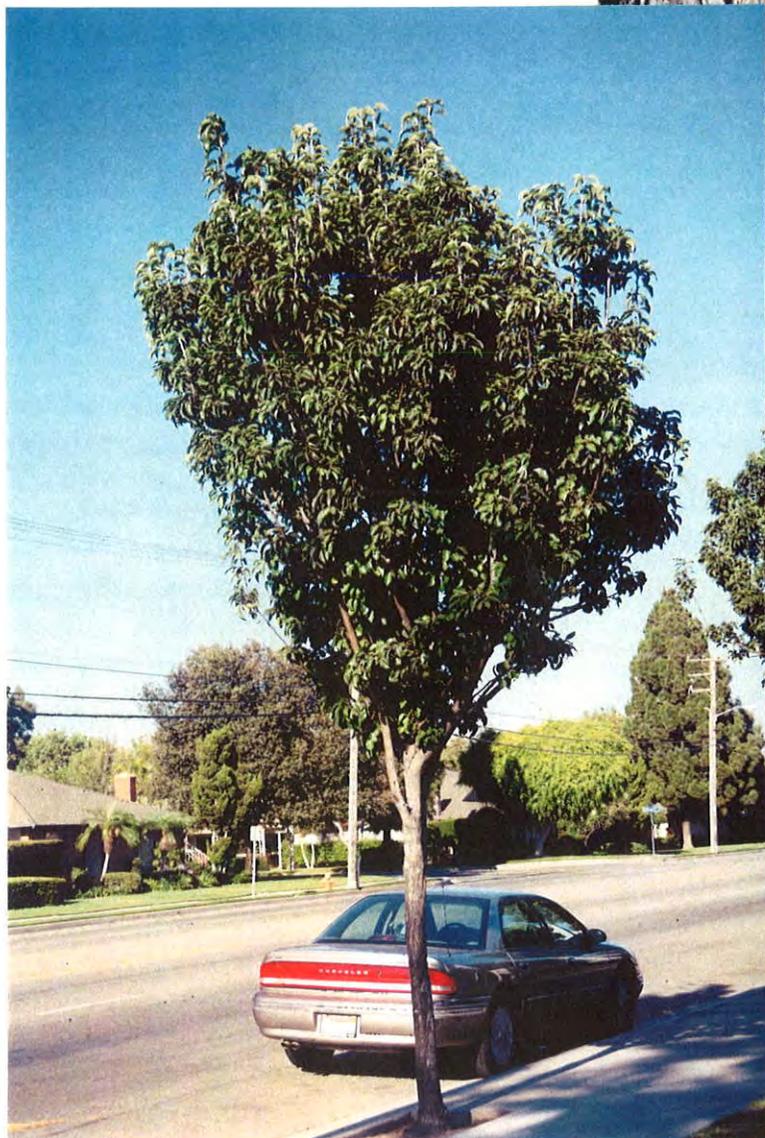


ARISTOCRAT PEAR
Pyrus calleryana 'Aristocrat'



REDSPIRE PEAR

Pyrus calleryana 'Redspire'



EVERGREEN PEAR

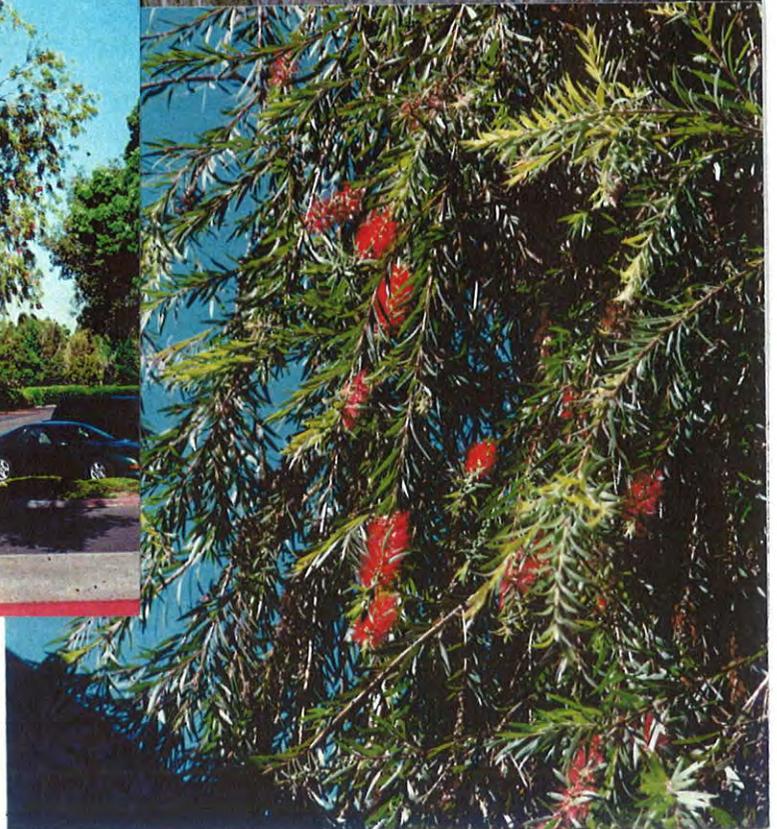
Pyrus kawakamii



5'+ Parkway

WEeping BOTTLEBRUSH

Callistemon viminalis



GOLD MEDALLION TREE

Cassia leptophylla



MINDANAO GUM

Eucalyptus deglupta



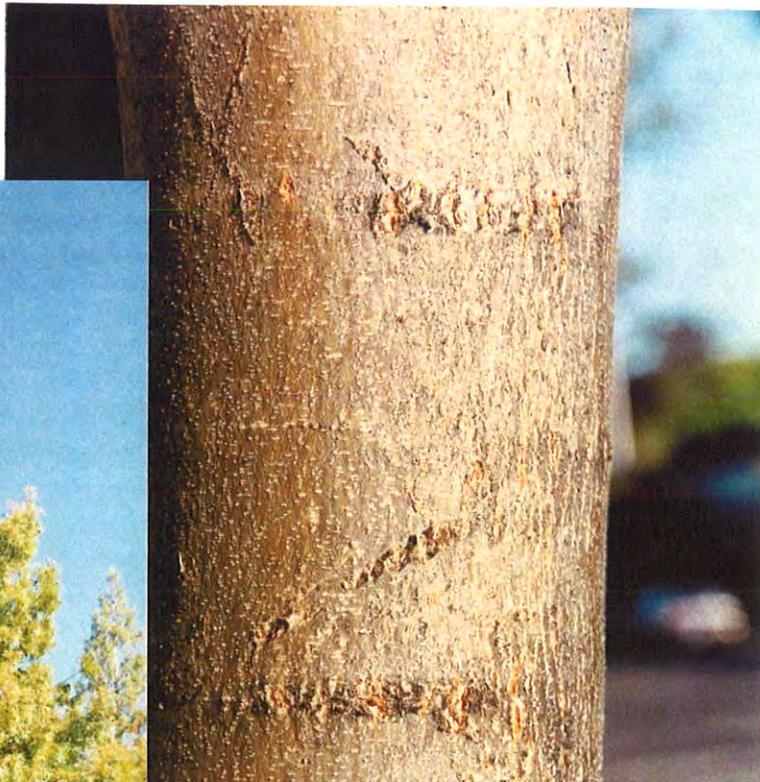
NICHOL'S WILLOW LEAFED PEPPERMINT

Eucalyptus nicholii



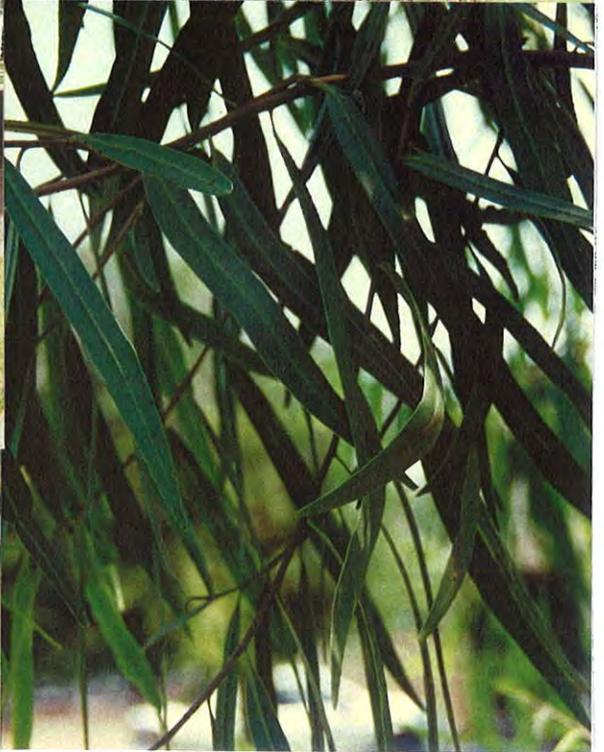
RAYWOOD ASH

Fraxinus oxycarpa 'Raywood'



AUSTRALIAN WILLOW

Geijera parviflora



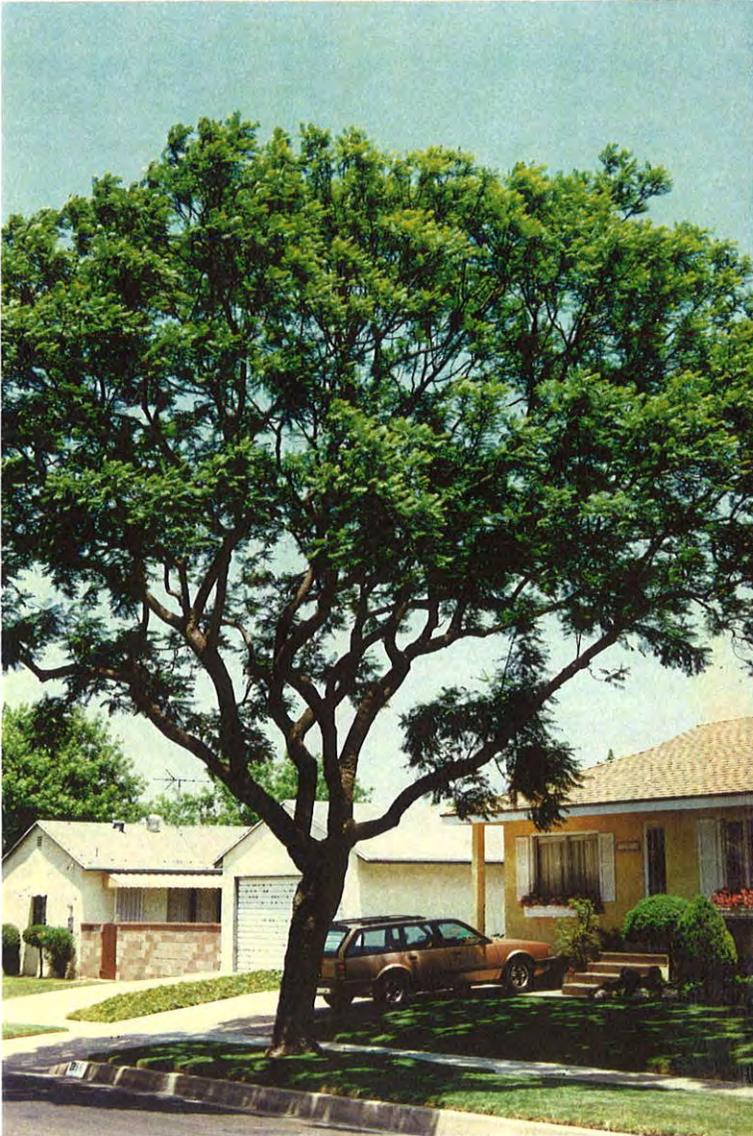
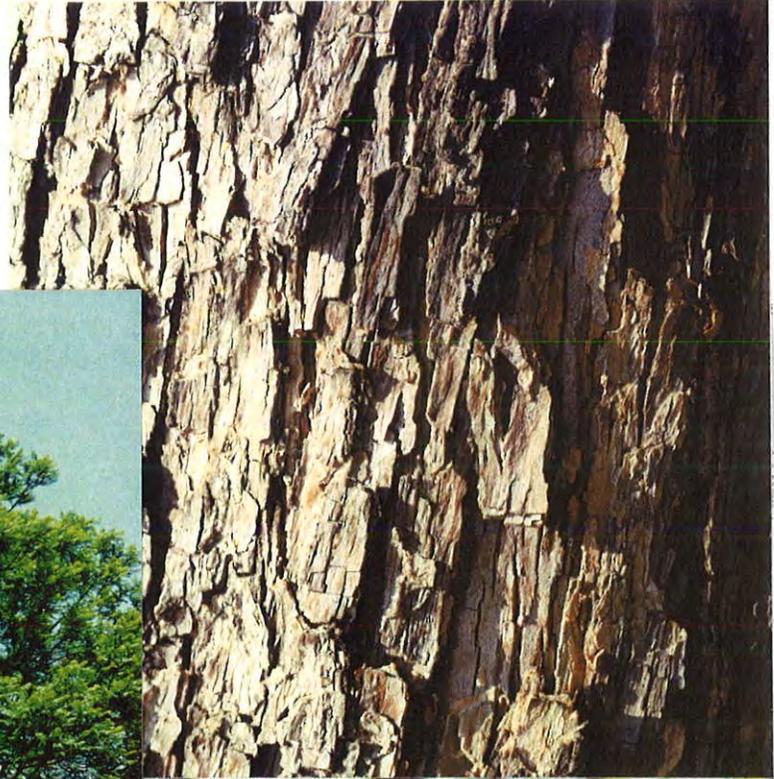
MAIDENHAIR TREE

Ginkgo biloba



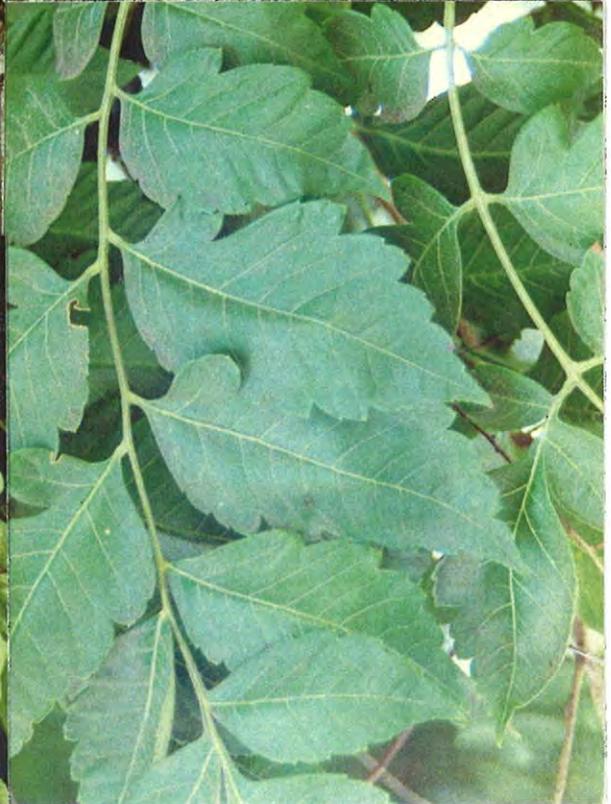
JACARANDA

Jacaranda mimosifolia



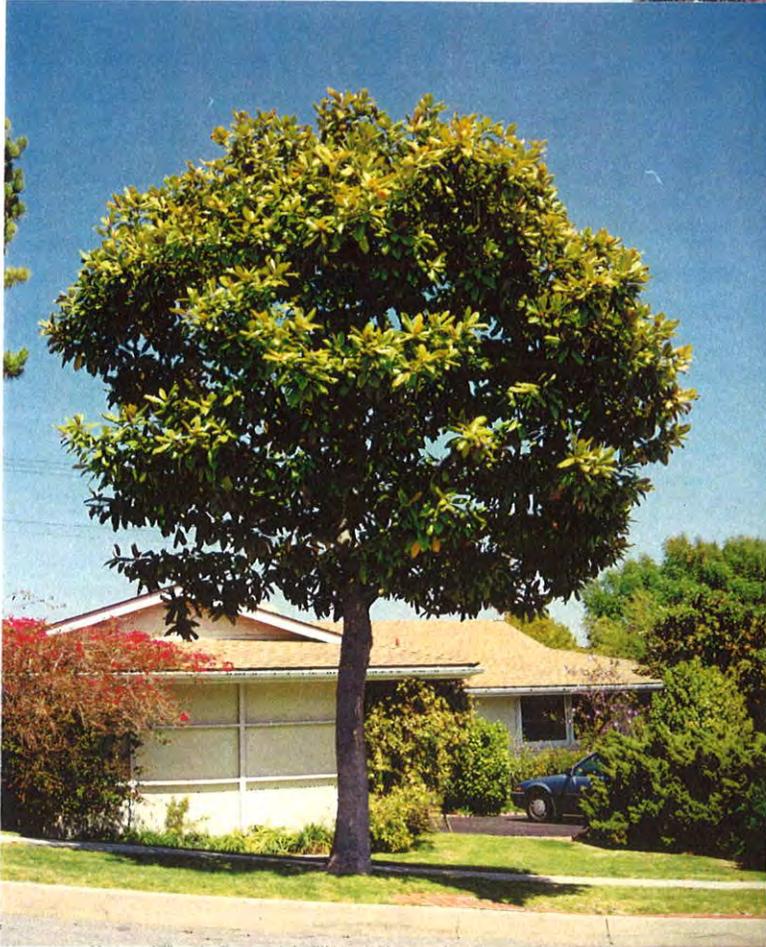
GOLDENRAIN TREE

Koelreuteria paniculata



SAMUEL SOMMER MAGNOLIA

Magnolia g. 'Samuel Sommer'

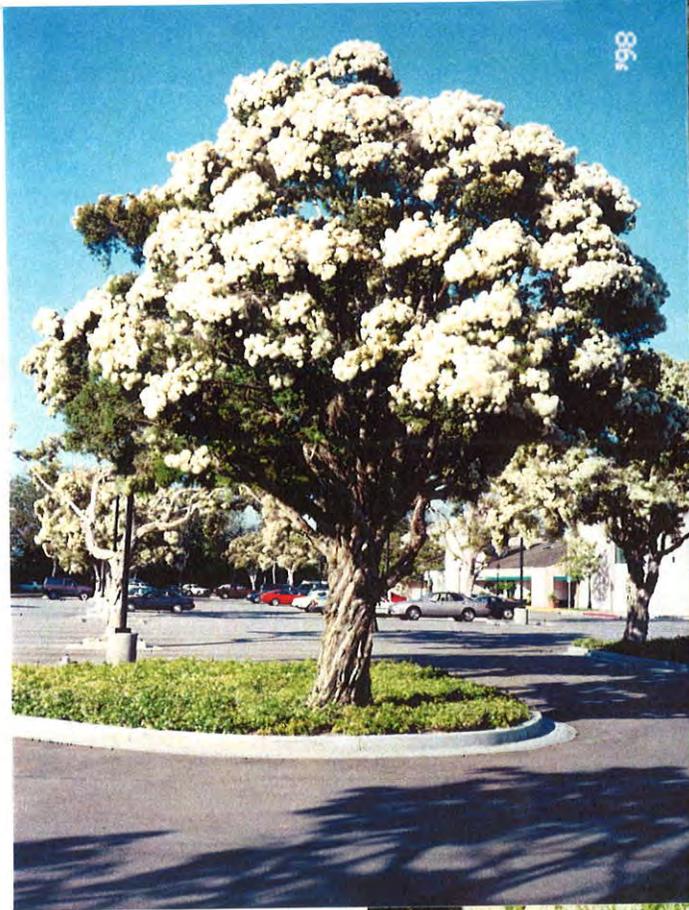


MARKHAMIA
Markhamia hildebrandtii



FLAXLEAF PAPERBARK

Melaleuca linariifolia



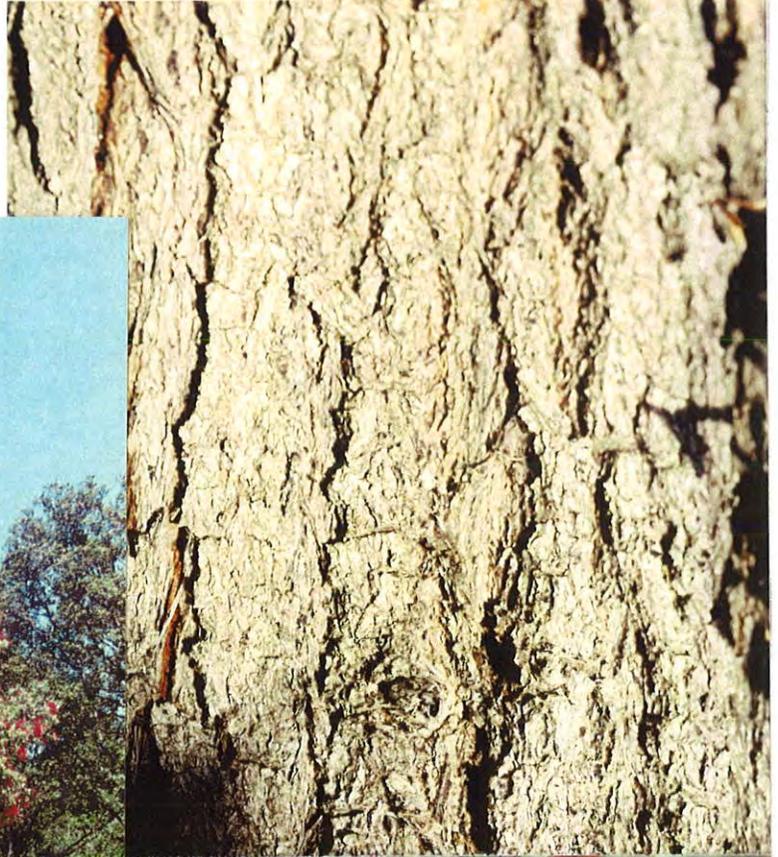
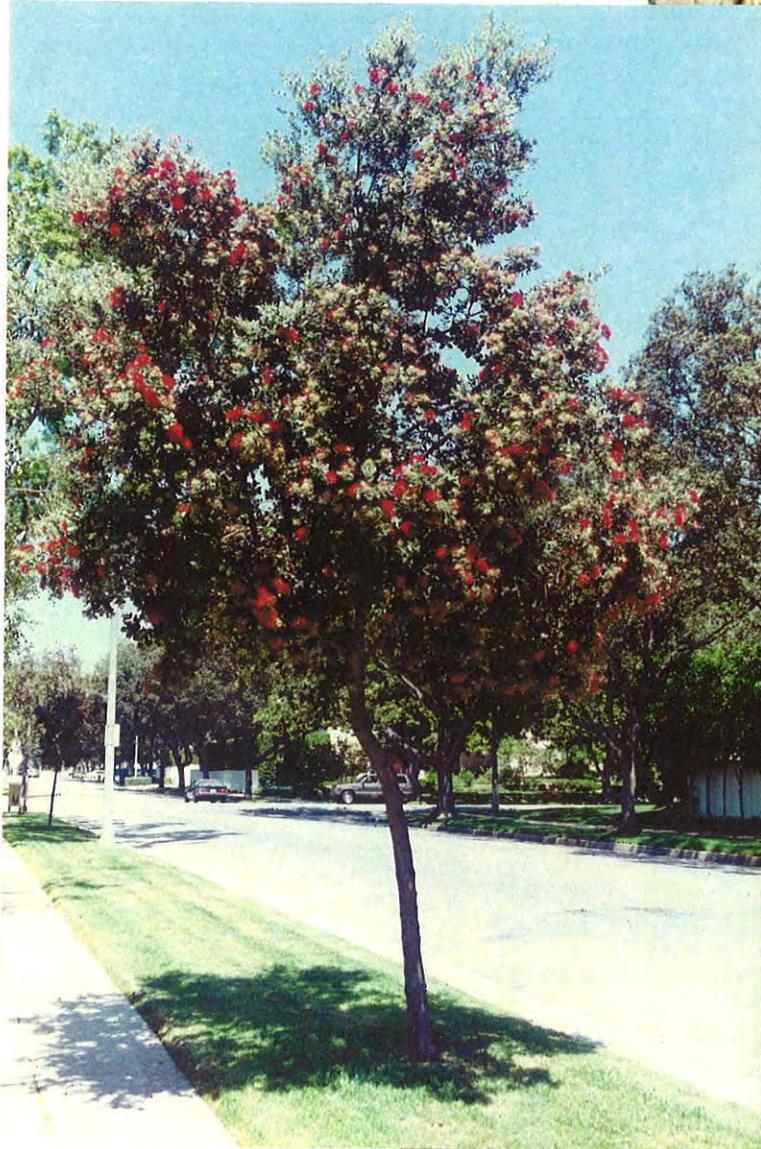
CAJEPUT TREE

Melaleuca quinquenervia



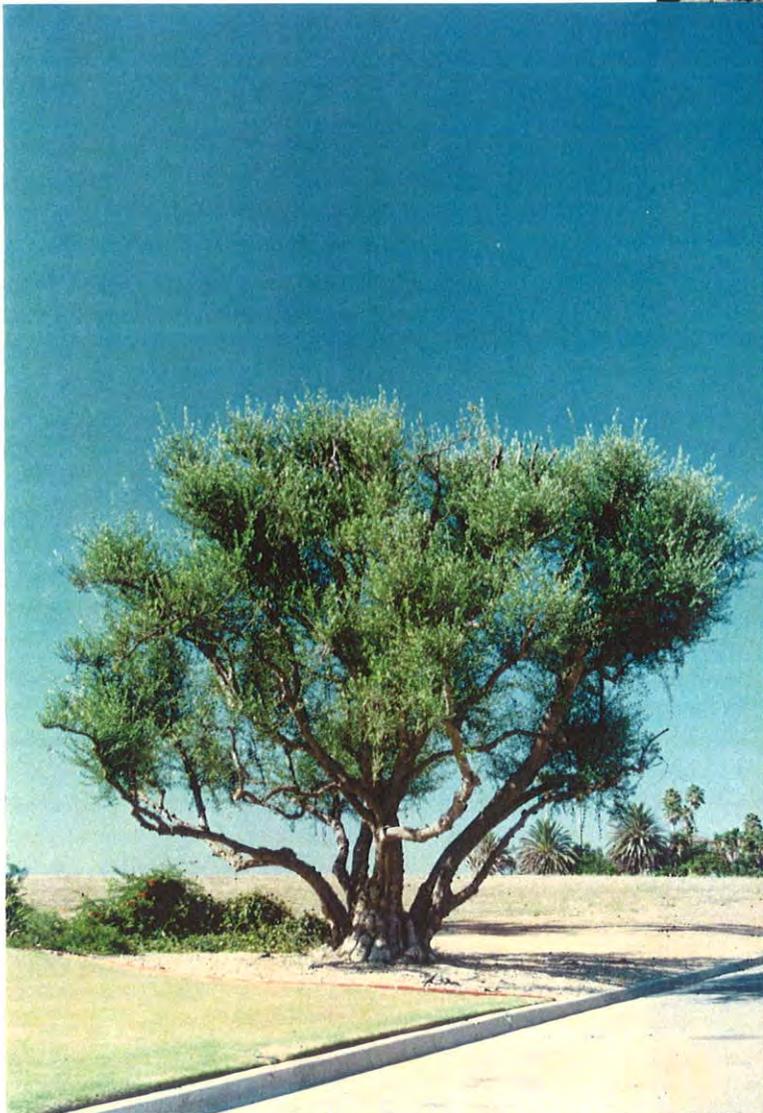
NEW ZEALAND CHRISTMAS TREE

Metrosideros excelsus



SWAN HILL OLIVE

Olea europaea 'Swan Hill'



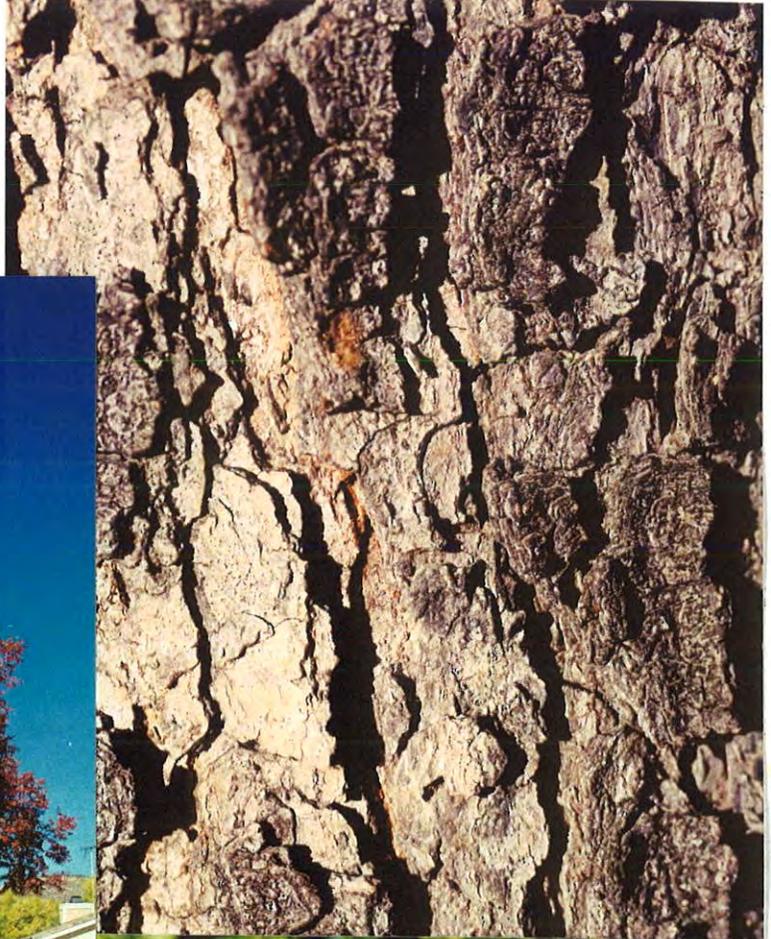
AFGHAN PINE

Pinus eldarica



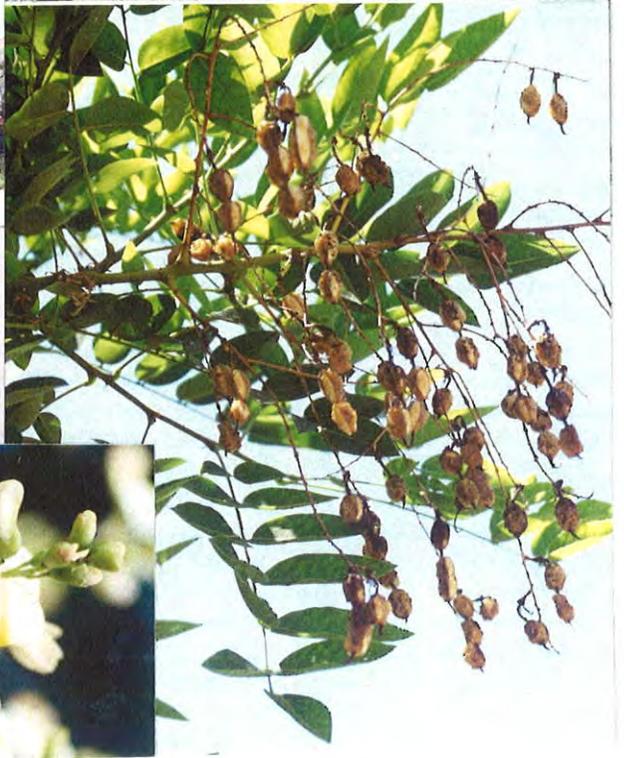
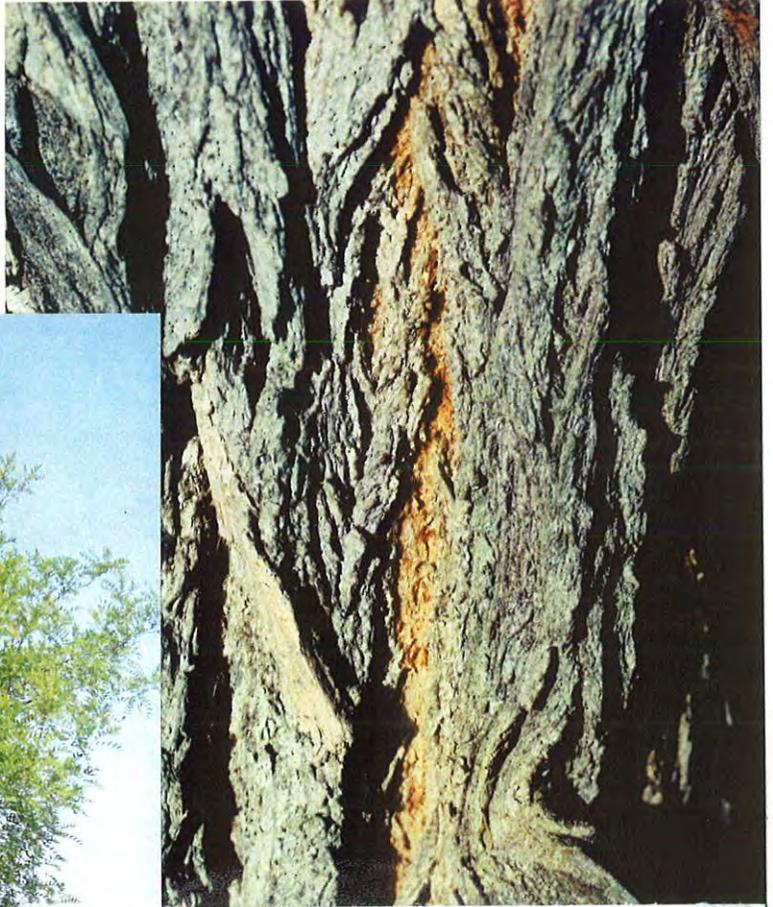
CHINESE PISTACHE

Pistacia chinensis



JAPANESE PAGODA TREE

Sophora japonica



FIREWHEEL TREE

Stenocarpus sinuatus



LA VENDER TRUMPET TREE

Tabebuia impetiginosa



DRAKE ELM

Ulmus p. 'Drake'



TRUE GREEN ELM

Ulmus p. 'True Green'



8'+ Parkway

CHINESE FLAME TREE

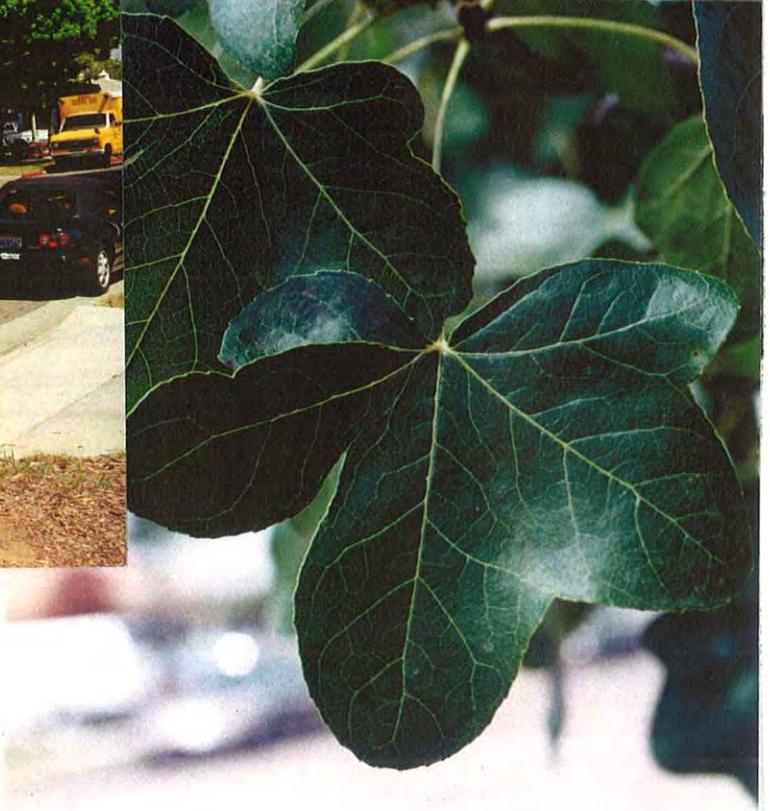
Koelreuteria bipinnata



JACKIE CHAN

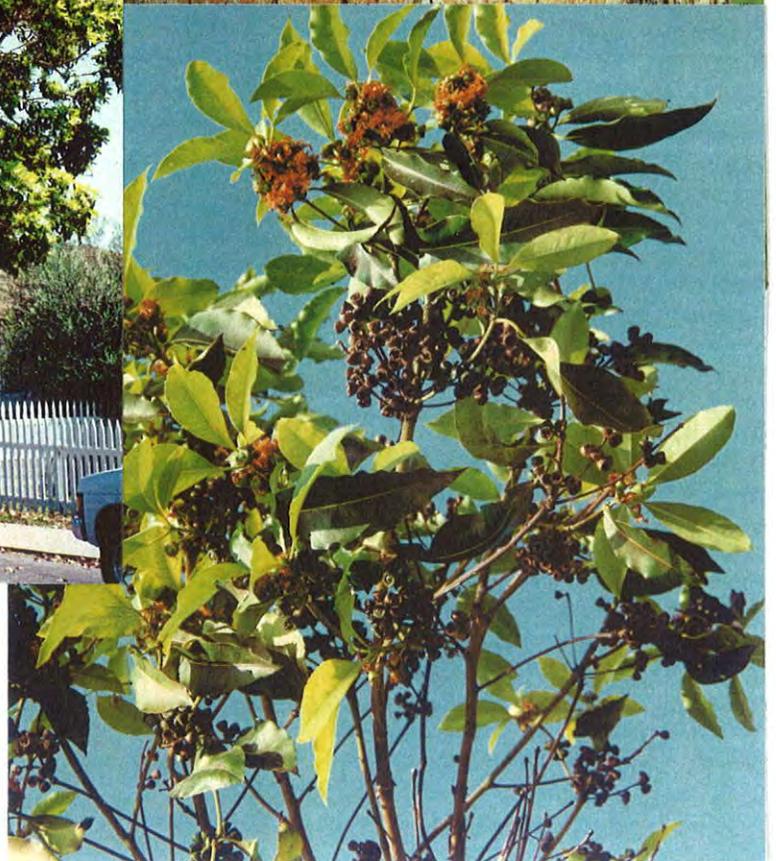
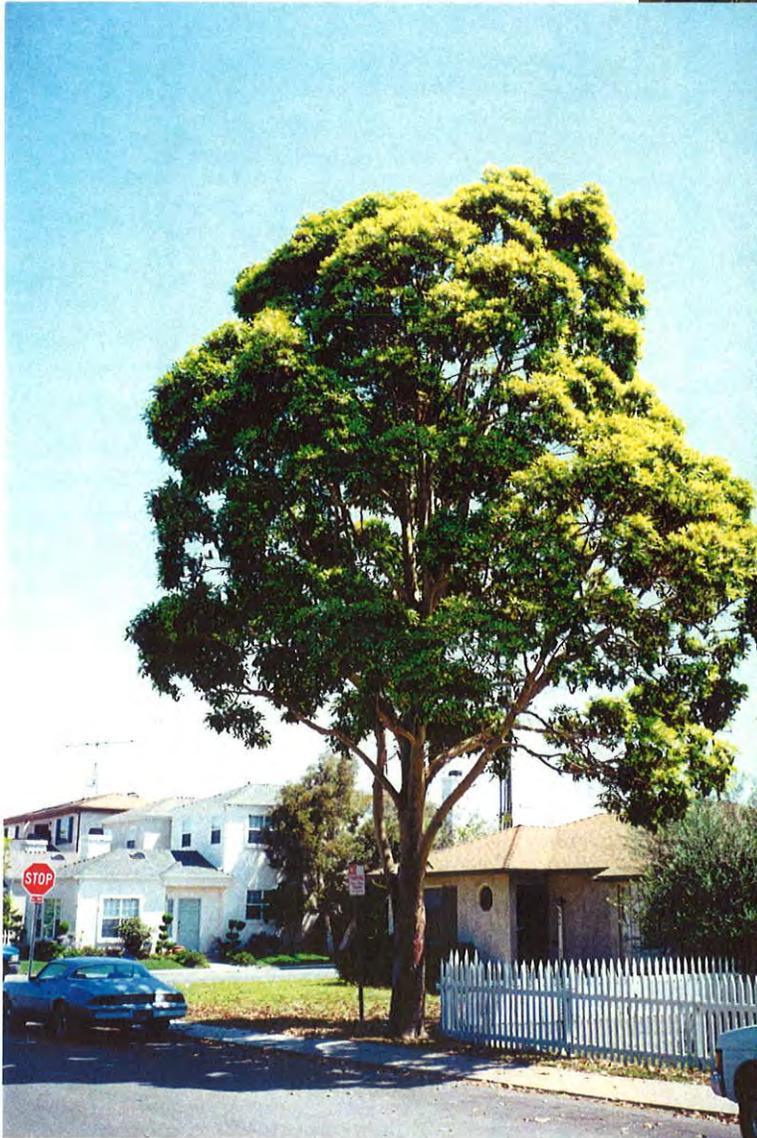
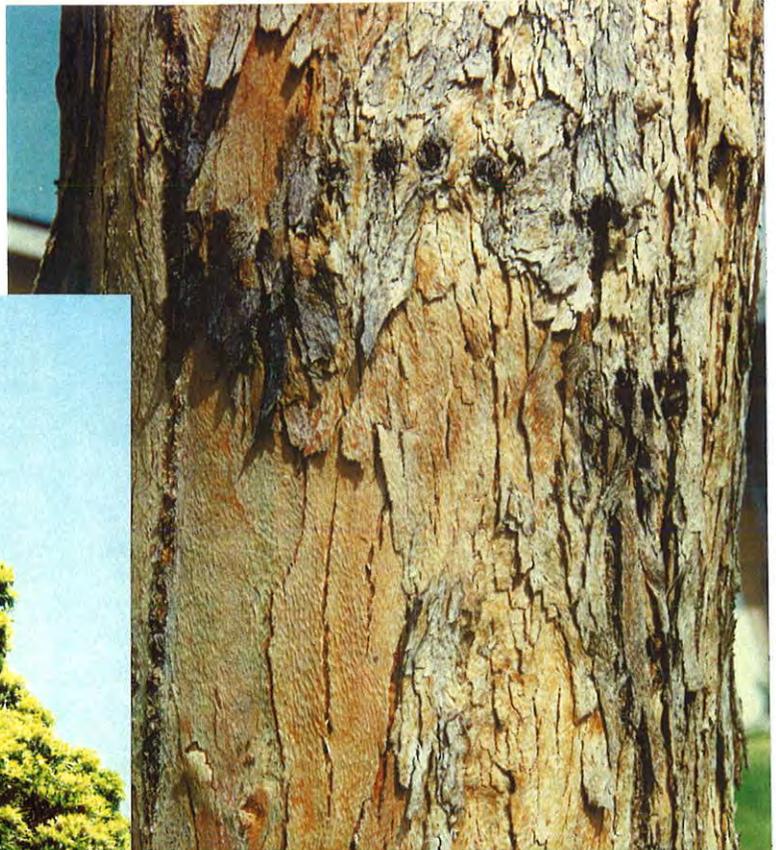
ROUND-LEAFED SWEETGUM

Liquidambar s. 'Rotundiloba'



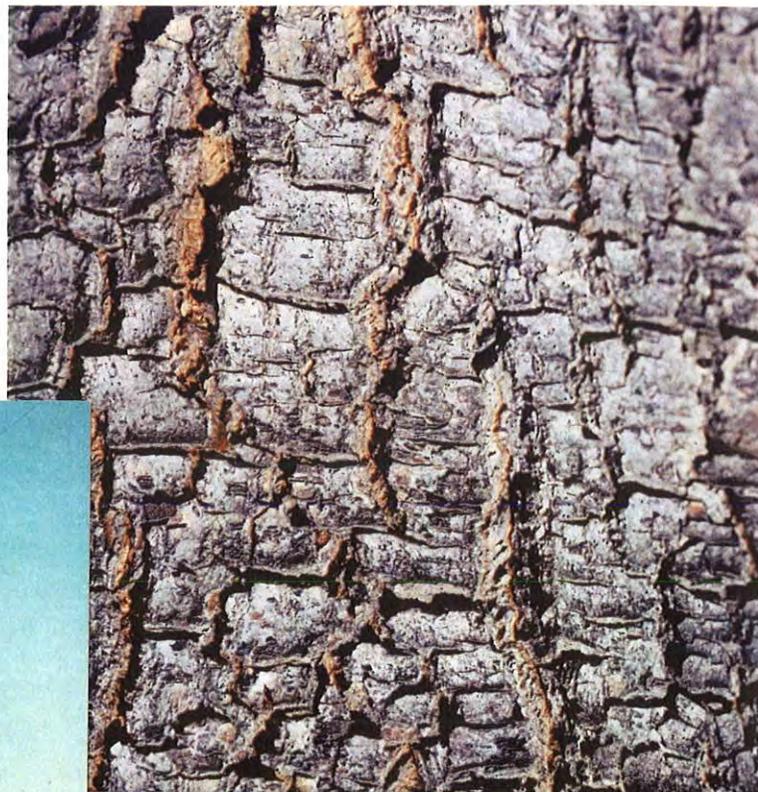
BRISBANE BOX

Lophostemon confertus



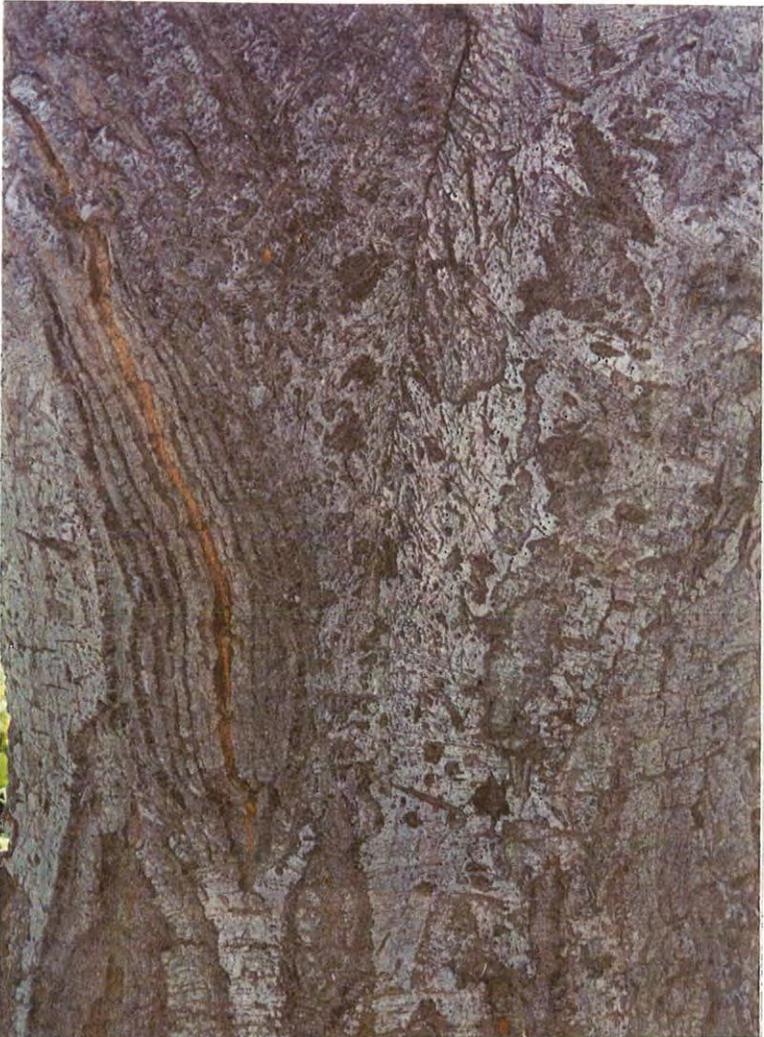
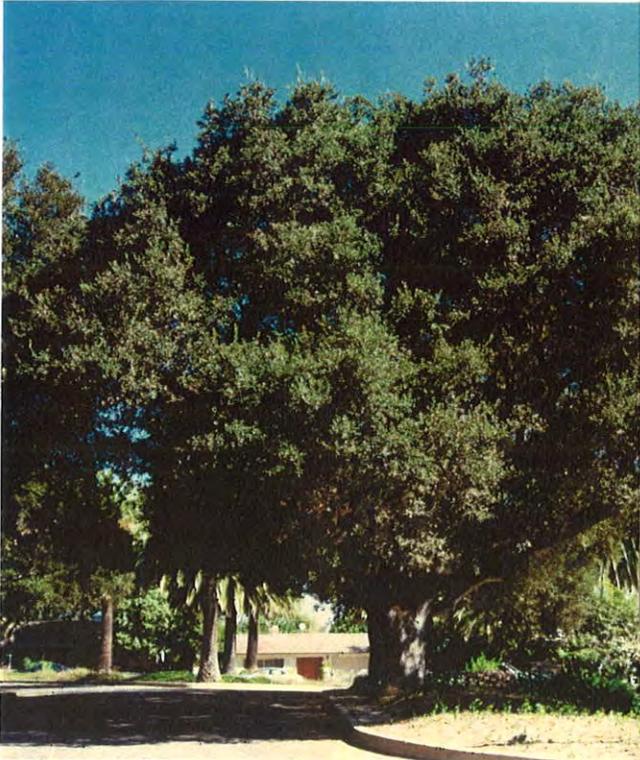
FERN PINE

Podocarpus gracilior



COAST LIVE OAK

Quercus agrifolia



SOUTHERN LIVE OAK

Quercus virginiana



Section 5

Street Tree Planting Plan

City of Carpinteria
Street Tree Planting Plan
June 2010

UNIT	STREET	FROM	TO	PKWY	UTILITIES	PRIMARY SPECIES	COUNT	RECOMMENDED SPECIES 1	RECOMMENDED SPECIES 2	RECOMMENDED SPECIES 3
1	3RD ST	4772	4963	3	No	Washingtonia robusta	2	Syagrus romanzoffianum	Stenocarpus sinuatus	
2	5TH ST	4956	4956	20	No	Cupressus macrocarpa	1	Podocarpus gracilior	Lophostemon confertus	Platanus acerifolia 'Bloodgood'
4	5TH ST	4956	4956	99	No	Phoenix canariensis	1	Podocarpus gracilior	Lophostemon confertus	Platanus acerifolia 'Bloodgood'
3	5TH ST	4990	4995	7	No	Washingtonia robusta	2	Lophostemon confertus	Platanus acerifolia 'Bloodgood'	Podocarpus gracilior
5	6TH ST	5000	5000	9	No	Jacaranda mimosifolia	3	Jacaranda mimosifolia	Koelreuteria paniculata	Quercus virginiana
6	6TH ST	5100	5301	99	No	Pittosporum undulatum	2	Quercus virginiana	Koelreuteria paniculata	Jacaranda mimosifolia
8	7TH ST	4621	4877	5	Yes	Pinus pinea	9	Tristania laurina	Koelreuteria paniculata	Magnolia grandiflora 'Little Gem'
10	7TH ST	4678	5190	99	No	Syagrus romanzoffianum	8	Tristania laurina	Koelreuteria paniculata	Magnolia grandiflora 'Little Gem'
7	7TH ST	4893	5053	5	No	Washingtonia robusta	17	Tristania laurina	Koelreuteria paniculata	Magnolia grandiflora 'Little Gem'
9	7TH ST	4990	4990	7	No	Washingtonia robusta	3	Tristania laurina	Koelreuteria paniculata	Magnolia grandiflora 'Little Gem'
16	8TH ST	4810	5300	99	No	Quercus suber	13	Quercus agrifolia	Podocarpus gracilior	Pinus eldarica
17	8TH ST	4855	4937	99	Yes	Pinus thunbergiana	1	Pinus eldarica	Melaleuca linariifolia	Quercus agrifolia
14	8TH ST	4902	5280	7	No	Prunus cerasifera	2	Ilex altaclarensis 'Wilsonii'	Cercis canadensis 'Alba'	
11	8TH ST	4990	5446	4	No	Eucalyptus ficifolia	3	Quercus tomentella	Cercis canadensis 'Alba'	Magnolia grandiflora 'Little Gem'
15	8TH ST	5053	5241	7	Yes	Prunus cerasifera	1	Quercus agrifolia	Cercis canadensis 'Alba'	
13	8TH ST	5101	5195	5	Yes	Quercus agrifolia	3	Quercus tomentella	Magnolia grandiflora 'Little Gem'	Pyrus calleryana 'Redspire'
12	8TH ST	5401	5455	4	Yes	Liquidambar styraciflua	5	Quercus tomentella	Cercis canadensis 'Alba'	Magnolia grandiflora 'Little Gem'
23	9TH ST	4700	4822	99	Yes	Jacaranda mimosifolia	5	Tabebuia impetiginosa	Cassia leptophylla	Jacaranda mimosifolia
22	9TH ST	4700	4885	99	No	Jacaranda mimosifolia	9	Jacaranda mimosifolia	Cassia leptophylla	Jacaranda mimosifolia
19	9TH ST	4850	4850	5	Yes	Jacaranda mimosifolia	7	Tabebuia impetiginosa	Cassia leptophylla	Jacaranda mimosifolia
20	9TH ST	4851	4921	7	No	Jacaranda mimosifolia	3	Jacaranda mimosifolia	Cassia leptophylla	Jacaranda mimosifolia
21	9TH ST	4900	4900	7	Yes	Jacaranda mimosifolia	6	Tabebuia impetiginosa	Cassia leptophylla	Jacaranda mimosifolia
18	9TH ST	4990	4995	4	No	Jacaranda mimosifolia	3	Jacaranda mimosifolia	Tabebuia impetiginosa	Cassia leptophylla
24	ALVA ST	1477	1488	5	No	Callistemon viminalis	6	Callistemon viminalis	Melaleuca linariifolia	Stenocarpus sinuatus
27	ANDREA ST	1470	1493	5	No	Syagrus romanzoffianum	5	Syagrus romanzoffianum	Lophostemon confertus	Stenocarpus sinuatus
28	ARAGON DR	4505	4715	5	No	Ligustrum lucidum	36	Magnolia grandiflora 'Samuel Sommer'	Pyrus calleryana 'Redspire'	Chitalpa tashkentensis
29	ARBOL VERDE ST	420	901	5	No	Fraxinus uhdei	46	Liquidambar styraciflua 'Rotundiloba'	Quercus tomentella	Pistacia chinensis
30	ARBOL VERDE ST	864	900	5	Yes	Liquidambar styraciflua	2	Liquidambar styraciflua 'Rotundiloba'	Quercus tomentella	Pistacia chinensis

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32	ASH AV	100	100	7	No	Vacant site	1	Metrosideros excelsus	Quercus tomentella	Fraxinus oxycarpa 'Raywood'
31	ASH AV	100	290	5	No	Metrosideros excelsus	5	Metrosideros excelsus	Quercus tomentella	Fraxinus oxycarpa 'Raywood'
33	AZALEA DR	1406	1475	5	No	Pittosporum undulatum	8	Magnolia grandiflora 'Saint Mary'	Arbutus 'Marina'	Koelreuteria paniculata
34	BEGONIA DR	1401	1456	5	No	Prunus cerasifera	7	Pyrus calleryana	Arbutus 'Marina'	Cercis canadensis 'Forest Pansy'
35	BYRNES LN	1260	1296	5	No	Callistemon viminalis	7	Callistemon viminalis	Pittosporum phillyreoides	Agonis flexuosa 'Jervis Bay Afterdark'
36	CALLE DIA	400	591	4	No	Metrosideros excelsus	16	Metrosideros excelsus	Cercis canadensis	Quercus tomentella
37	CALLE PACIFIC	5601	5683	4	No	Metrosideros excelsus	9	Metrosideros excelsus	Heteromeles arbutifolia	Magnolia grandiflora 'Russet'
38	CALLE PACIFIC	5691	5691	6	No	Liquidambar styraciflua	1	Liquidambar styraciflua 'Rotundiloba'	Magnolia grandiflora 'Russet'	Metrosideros excelsus
39	CALLE REY MAR	750	790	5	No	Fraxinus uhdei	8	Liquidambar styraciflua 'Rotundiloba'	Pistacia chinensis	Magnolia grandiflora 'Saint Mary'
40	CAMELLIA CIR	1402	1483	5	No	Callistemon viminalis	20	Callistemon viminalis	Pittosporum phillyreoides	Magnolia grandiflora 'Russet'
42	CAMEO RD	5401	5488	6	No	Callistemon viminalis	19	Callistemon viminalis	Tabebuia impetiginosa	Sophora japonica
41	CAMEO RD	5500	5595	5	No	Callistemon viminalis	26	Callistemon viminalis	Tabebuia impetiginosa	Sophora japonica
43	CAMINO TRILLADO	1304	1486	5	No	Platanus acerifolia	14	Platanus acerifolia 'Yarwood'	Quercus tomentella	Ginkgo biloba 'Saratoga'
44	CANALINO DR	5610	5665	4	No	Metrosideros excelsus	12	Metrosideros excelsus	Pyrus kawakamii	Chitalpa tashkentensis
45	CARNATION PL	1401	1457	5	No	Prunus cerasifera	5	Heteromeles arbutifolia	Cercis canadensis 'Forest Pansy'	Magnolia grandiflora 'Little Gem'
53	CARPINTERIA AV	4100	6303	99	No	Tristania laurina	14	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
54	CARPINTERIA AV	4253	4667	99	Yes	Pinus pinea	8	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
52	CARPINTERIA AV	4298	5310	9	No	Archontophoenix cunninghamia	9	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
49	CARPINTERIA AV	4492	5565	5	No	Archontophoenix cunninghamia	3	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
46	CARPINTERIA AV	4620	5210	10	No	Washingtonia robusta	7	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
51	CARPINTERIA AV	4640	5103	7	No	Archontophoenix cunninghamia	3	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
47	CARPINTERIA AV	4642	5285	3	No	Archontophoenix cunninghamia	5	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'

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								Koelreuteria paniculata		
48	CARPINTERIA AV	4801	5285	4	No	Koelreuteria bipinnata	35	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
50	CARPINTERIA AV	4904	5285	6	No	Archontophoenix cunninghamia	4	Tristania laurina	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
								Koelreuteria paniculata		
57	CASITAS PASS RD	1000	1100	7	No	Pinus eldarica	6	Pinus eldarica	Podocarpus henkelii	Quercus agrifolia
58	CASITAS PASS RD	1115	1201	99	No	Podocarpus gracilior	4	Pinus eldarica	Podocarpus henkelii	Quercus agrifolia
55	CASITAS PASS RD	1201	1555	5	No	Ligustrum lucidum	26	Pinus eldarica	Podocarpus henkelii	Magnolia grandiflora 'Russet'
59	CASITAS PASS RD	1230	1230	99	Yes	Quercus agrifolia	1	Magnolia grandiflora 'Saint Mary'	Quercus agrifolia	Callistemon viminalis
56	CASITAS PASS RD	1258	1286	5	Yes	Callistemon viminalis	9	Callistemon viminalis	Podocarpus henkelii	Magnolia grandiflora 'Saint Mary'
60	CHANEY AV	1310	1385	5	No	Callistemon citrinus	13	Callistemon viminalis	Pittosporum phillyreoides	Magnolia grandiflora 'Russet'
65	CONCHA LOMA DR	899	1000	5	No	Vacant site	7	Quercus virginiana	Ginkgo biloba	Lophostemon confertus
66	CONCHA LOMA DR	1000	1000	99	No	Eucalyptus cladocalyx	3	Quercus virginiana	Ginkgo biloba	Lophostemon confertus
67	DAHLIA CT	1301	1330	5	No	Metrosideros excelsus	7	Metrosideros excelsus	Koelreuteria paniculata	Pittosporum phillyreoides
68	DARIESA ST	5375	5485	5	No	Cupaniopsis anacardioides	21	Stenocarpus sinuatus	Koelreuteria paniculata	Olea europaea 'Swan Hill'
69	DELTA AV	1319	1345	5	No	Liquidambar styraciflua	4	Ginkgo biloba	Hymenosporum flavum	Magnolia grandiflora 'Russet'
72	EL CARRO LN	4400	5491	5	No	Tabebuia impetiginosa	47	Tabebuia impetiginosa	Chitalpa tashkentensis	Cassia leptophylla
70	EL CARRO LN	5001	5001	4	No	Podocarpus gracilior	7	Podocarpus henkelii	Chitalpa tashkentensis	Tabebuia impetiginosa
73	EL CARRO LN	5048	5369	5	Yes	Ligustrum lucidum	5	Podocarpus henkelii	Chitalpa tashkentensis	Tabebuia impetiginosa
71	EL CARRO LN	5050	5050	4	Yes	Podocarpus nagi	4	Podocarpus henkelii	Chitalpa tashkentensis	Tabebuia impetiginosa
74	EL PORTAL AV	1300	1369	99	No	Cupaniopsis anacardioides	9	Quercus virginiana	Koelreuteria bipinnata	Sophora japonica
75	ELEANOR DR	4600	4750	5	No	Callistemon citrinus	23	Callistemon citrinus	Pittosporum phillyreoides	Koelreuteria paniculata
79	ELM AV	50	950	7	No	Archontophoenix cunninghamia	2	Ulmus parvifolia 'True Green'	Metrosideros excelsus	Ulmus parvifolia 'True Green'
76	ELM AV	50	1025	3	No	Brahea edulis	5	Ulmus parvifolia 'True Green'	Metrosideros excelsus	Magnolia grandiflora 'Little Gem'
80	ELM AV	55	156	99	No	Metrosideros excelsus	2	Metrosideros excelsus	Stenocarpus sinuatus	Ulmus parvifolia 'True Green'
77	ELM AV	100	101	5	No	Metrosideros excelsus	7	Metrosideros excelsus	Stenocarpus sinuatus	Ulmus parvifolia 'True Green'
78	ELM AV	220	220	5	Yes	Metrosideros excelsus	2	Metrosideros excelsus	Stenocarpus sinuatus	Ulmus parvifolia 'True Green'
81	EUCALYPTUS ST	1472	1490	5	No	Magnolia grandiflora	5	Magnolia grandiflora 'Samuel Sommer'	Quercus virginiana	Quercus tomentella

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83	EUGENIA PL	1000	1000	7	No	Fraxinus velutina 'Modesto'	1	Fraxinus oxycarpa 'Raywood'	Platanus acerifolia 'Bloodgood'	Koelreuteria paniculata
84	EUGENIA PL	1000	1000	9	No	Syzygium paniculatum	1	Fraxinus oxycarpa 'Raywood'	Platanus acerifolia 'Bloodgood'	Koelreuteria paniculata
82	EUGENIA PL	1000	1090	5	No	Fraxinus velutina 'Modesto'	5	Fraxinus oxycarpa 'Raywood'	Koelreuteria paniculata	Jacaranda mimosifolia
85	EUGENIA PL	1090	1135	99	No	Platanus acerifolia	2	Platanus acerifolia 'Bloodgood'	Fraxinus oxycarpa 'Raywood'	Jacaranda mimosifolia
87	FIESTA DR	5601	5601	99	Yes	Pyrus kawakamii	1	Pyrus kawakamii	Magnolia grandiflora 'Saint Mary'	Olea europaea 'Swan Hill'
86	FIESTA DR	5630	5688	5	No	Magnolia grandiflora	12	Magnolia grandiflora 'Samuel Sommer'	Pyrus kawakamii	Olea europaea 'Swan Hill'
88	GRANADA WY	5401	5497	99	No	Cupaniopsis anacardioides	15	Quercus virginiana	Quercus agrifolia	Olea europaea 'Swan Hill'
89	HAIDA ST	1476	1490	5	No	Callistemon viminalis	6	Callistemon viminalis	Melaleuca linariifolia	Koelreuteria paniculata
91	HOLLY AV	50	50	7	No	Melaleuca quinquenervia	1	Melaleuca quinquenervia	Metrosideros excelsus	Markhamia hildebrandtii
93	HOLLY AV	50	545	99	No	Washingtonia robusta	6	Melaleuca quinquenervia	Metrosideros excelsus	Markhamia hildebrandtii
90	HOLLY AV	100	100	5	No	Washingtonia robusta	5	Melaleuca quinquenervia	Metrosideros excelsus	Ilex altaclarensis 'Wilsonii'
92	HOLLY AV	101	101	9	No	Metrosideros excelsus	2	Melaleuca quinquenervia	Metrosideros excelsus	Markhamia hildebrandtii
94	JAY ST	1501	1557	5	No	Stenocarpus sinuatus	13	Stenocarpus sinuatus	Magnolia grandiflora 'Samuel Sommer'	Tabebuia impetiginosa
95	JUNE AV	1313	1350	5	No	Jacaranda mimosifolia	10	Jacaranda mimosifolia	Cassia leptophylla	Sophora japonica
96	KATHY ST	1540	1559	5	No	Hymenosporum flavum	3	Hymenosporum flavum	Tabebuia impetiginosa	Cassia leptophylla
97	LA BREA LN	1241	1280	5	No	Callistemon viminalis	11	Callistemon viminalis	Sophora japonica	Tabebuia impetiginosa
98	LA JOLLA PL	1470	1476	5	No	Prunus caroliniana	6	Platanus acerifolia 'Bloodgood'	Quercus tomentella	Heteromeles arbutifolia
99	LA MANIDA	1306	1350	5	No	Fraxinus uhdei	8	Koelreuteria paniculata	Cercis canadensis 'Oklahoma'	Fraxinus oxycarpa 'Raywood'
100	LA MESA PLAZA	1301	1301	99	No	Cupaniopsis anacardioides	1	Quercus agrifolia	Magnolia grandiflora 'Samuel Sommer'	Cercis canadensis 'Oklahoma'
101	LA PALA LN	1260	1299	5	No	Callistemon viminalis	10	Callistemon viminalis	Stenocarpus sinuatus	Pistacia chinensis
102	LA PALOMA DR	1472	1482	99	No	Fraxinus velutina 'Modesto'	3	Fraxinus oxycarpa 'Raywood'	Lophostemon confertus	Koelreuteria bipinnata
103	LA QUINTA DR	4307	4316	99	No	Cupaniopsis anacardioides	2	Quercus agrifolia	Lophostemon confertus	Ulmus parvifolia 'Drake'
104	LA TIERRA LN	4416	4516	5	No	Ginkgo biloba	7	Ginkgo biloba	Quercus tomentella	Platanus acerifolia 'Bloodgood'
105	LIMU DR	1325	1431	6	No	Ceratonia siliqua	12	Pyrus kawakamii	Cercis canadensis 'Forest Pansy'	Olea europaea 'Swan Hill'
108	LINDEN AV	55	990	4	No	Washingtonia robusta	58	Eucalyptus nicholii	Pistacia chinensis	Livistona spp.
112	LINDEN AV	55	1301	99	No	Quercus agrifolia	17	Eucalyptus nicholii	Pistacia chinensis	Livistona spp.
109	LINDEN AV	201	1598	5	No	Washingtonia robusta	16	Eucalyptus nicholii	Pistacia chinensis	Livistona spp.
111	LINDEN AV	973	991	7	No	Syagrus romanzoffianum	6	Eucalyptus nicholii	Pistacia chinensis	Livistona spp.

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113	LINDEN AV	1335	1345	99	Yes	Yucca gloriosa	3	Podocarpus gracilior	Lophostemon confertus	Heteromeles arbutifolia
106	LINDEN AV	1375	1450	14	No	Eucalyptus camaldulensis	5	Podocarpus gracilior	Lophostemon confertus	Eucalyptus deglupta
110	LINDEN AV	1415	1423	6	Yes	Podocarpus gracilior	1	Podocarpus gracilior	Lophostemon confertus	Heteromeles arbutifolia
107	LINDEN AV	1431	1431	14	Yes	Podocarpus gracilior	1	Podocarpus gracilior	Eucalyptus deglupta	Heteromeles arbutifolia
114	LINHERE DR	1325	1431	4	No	Ginkgo biloba	16	Ginkgo biloba	Agonis flexuosa 'Jervis Bay Afterdark'	Eucalyptus nicholii
115	LINHERE DR	1330	1330	5	No	Ginkgo biloba	1	Ginkgo biloba	Agonis flexuosa 'Jervis Bay Afterdark'	Eucalyptus nicholii
116	LISA ST	1535	1555	5	No	Melaleuca quinquenervia	4	Melaleuca quinquenervia	Agonis flexuosa 'Jervis Bay Afterdark'	Geijera parviflora
118	MALIBU DR	4723	4790	5	No	Fraxinus velutina	5	Fraxinus oxycarpa 'Raywood'	Ginkgo biloba	Chionanthus retusus
117	MALIBU DR	4800	4800	2	No	Fraxinus velutina	1	Cercis canadensis 'Oklahoma'	Photinia fraseri	Chionanthus retusus
120	MALIBU DR	4840	4984	6	Yes	Ginkgo biloba	5	Ginkgo biloba	Fraxinus oxycarpa 'Raywood'	Chionanthus retusus
119	MALIBU DR	4845	4985	6	No	Ginkgo biloba	9	Ginkgo biloba	Fraxinus oxycarpa 'Raywood'	Chionanthus retusus
125	MAPLE AV	502	990	99	No	Jacaranda mimosifolia	21	Jacaranda mimosifolia	Koelreuteria paniculata	Chitalpa tashkentensis
126	MAPLE AV	502	990	99	Yes	Jacaranda mimosifolia	22	Chitalpa tashkentensis	Jacaranda mimosifolia	Koelreuteria paniculata
124	MAPLE AV	800	800	5	Yes	Jacaranda mimosifolia	3	Chitalpa tashkentensis	Jacaranda mimosifolia	Koelreuteria paniculata
121	MAPLE AV	801	957	10	No	Jacaranda mimosifolia	17	Jacaranda mimosifolia	Koelreuteria paniculata	Chitalpa tashkentensis
123	MAPLE AV	830	830	4	Yes	Jacaranda mimosifolia	1	Jacaranda mimosifolia	Koelreuteria paniculata	Chitalpa tashkentensis
122	MAPLE AV	975	975	4	No	Jacaranda mimosifolia	1	Jacaranda mimosifolia	Koelreuteria paniculata	Chitalpa tashkentensis
127	MESA LN	4436	4495	5	No	Melaleuca quinquenervia	3	Melaleuca quinquenervia	Sophora japonica	Geijera parviflora
128	MYRA ST	1535	1557	5	No	Liquidambar styraciflua	4	Ginkgo biloba	Markhamia hildebrandtii	Liquidambar styraciflua 'Rotundiloba'
129	NAMOUNA ST	1472	1492	5	No	Cassia leptophylla	6	Cassia leptophylla	Melaleuca linariifolia	Geijera parviflora
130	NIPOMO DR	4813	4990	4	No	Prunus cerasifera	34	Agonis flexuosa 'Jervis Bay Afterdark'	Cercis canadensis 'Forest Pansy'	Tristania laurina
131	NOMA ST	1478	1478	5	No	Schinus terebinthifolius	1	Pistacia chinensis	Geijera parviflora	Pittosporum phillyreoides
132	OAK AV	707	785	99	No	Jacaranda mimosifolia	2	Quercus agrifolia	Jacaranda mimosifolia	Koelreuteria bipinnata
134	OGAN RD	5280	5320	5	Yes	Quercus agrifolia	5	Quercus tomentella	Olea europaea 'Swan Hill'	Tristania laurina

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133	OGAN RD	5285	5384	5	No	Cupaniopsis anacardioides	21	Quercus tomentella	Olea europaea 'Swan Hill'	Tristania laurina
135	OLIVE AV	750	750	99	No	Pinus pinea	1	Quercus tomentella	Quercus agrifolia	Olea europaea 'Swan Hill'
137	PALM AV	501	592	99	No	Phoenix canariensis	4	Syagrus romanzoffianum	Liquidambar styraciflua 'Rotundiloba'	Lophostemon confertus
136	PALM AV	795	795	5	No	Syagrus romanzoffianum	3	Syagrus romanzoffianum	Lophostemon confertus	Liquidambar styraciflua 'Rotundiloba'
138	PEAR ST	935	995	99	No	Agonis flexuosa	4	Agonis flexuosa 'Jervis Bay Afterdark'	Pyrus calleryana 'Aristocrat'	Geijera parviflora
139	POST AV	1312	1350	5	No	Jacaranda mimosifolia	3	Jacaranda mimosifolia	Koelreuteria paniculata	Tabebuia impetiginosa
140	SANDYLAND RD	4700	4975	3	No	Metrosideros excelsus	6	Trachycarpus fortunei	Metrosideros excelsus	Tristania laurina
141	SANDYLAND RD	4838	4980	4	No	Trachycarpus fortunei	6	Trachycarpus fortunei	Metrosideros excelsus	Tristania laurina
142	SANTA MONICA RD	1299	1383	5	No	Callistemon viminalis	11	Callistemon viminalis	Melaleuca linariifolia	Chitalpa tashkentensis
143	SANTA MONICA RD	1300	1400	5	Yes	Schinus terebinthifolius	7	Callistemon viminalis	Melaleuca linariifolia	Chitalpa tashkentensis
144	SANTA MONICA RD	1346	1400	7	Yes	Schinus terebinthifolius	2	Callistemon viminalis	Melaleuca linariifolia	Chitalpa tashkentensis
145	SANTA ROSA LN	5355	5382	99	No	Metrosideros excelsus	7	Metrosideros excelsus	Quercus virginiana	Liquidambar styraciflua 'Rotundiloba'
146	SANTA YNEZ AV	1300	1498	5	No	Magnolia grandiflora	40	Magnolia grandiflora 'Samuel Sommer'	Jacaranda mimosifolia	Geijera parviflora
147	SHEMARA ST	5405	5470	5	No	Callistemon viminalis	22	Callistemon viminalis	Geijera parviflora	Pittosporum phillyreoides
148	STERLING AV	1322	1459	5	No	Fraxinus velutina	22	Fraxinus oxycarpa 'Raywood'	Magnolia grandiflora 'Samuel Sommer'	Ginkgo biloba 'Princeton Sentry'
149	STERLING AV	1493	1493	99	No	Magnolia grandiflora	1	Fraxinus oxycarpa 'Raywood'	Magnolia grandiflora 'Samuel Sommer'	Ginkgo biloba 'Princeton Sentry'
150	STERLING WY	4773	4795	5	No	Fraxinus velutina	6	Fraxinus oxycarpa 'Raywood'	Magnolia grandiflora 'Samuel Sommer'	Ginkgo biloba 'Princeton Sentry'
151	TOMOL DR	1330	1430	4	No	Prunus cerasifera	9	Agonis flexuosa 'Jervis Bay Afterdark'	Chionanthus retusus	Bauhinia blakeana
152	TOMOL DR	1341	1431	4	Yes	Prunus cerasifera	8	Agonis flexuosa 'Jervis Bay Afterdark'	Chionanthus retusus	Bauhinia blakeana
153	TRENORA ST	1466	1493	5	No	Melaleuca quinquenervia	4	Melaleuca quinquenervia	Pistacia chinensis	Tabebuia impetiginosa
154	VALLECITO PL	1308	1330	99	Yes	Magnolia grandiflora	2	Magnolia grandiflora 'Saint Mary'	Ilex altaclarensis 'Wilsonii'	Cercis canadensis 'Forest Pansy'
155	VERANO AV	4302	4302	99	No	Cupaniopsis anacardioides	1	Quercus agrifolia	Pistacia chinensis	Pyrus calleryana 'Redspire'
156	VIA REAL	4490	4490	5	No	Trachycarpus fortunei	1	Trachycarpus fortunei	Podocarpus henkelii	Pinus eldarica
157	VIA REAL	5350	5400	99	No	Podocarpus gracilior	12	Podocarpus gracilior	Pinus eldarica	Koelreuteria bipinnata
161	WALNUT AV	600	855	99	No	Syagrus romanzoffianum	18	Syagrus romanzoffianum	Olea europaea 'Swan Hill'	Quercus tomentella
158	WALNUT AV	600	956	5	No	Syagrus romanzoffianum	7	Syagrus romanzoffianum	Olea europaea 'Swan Hill'	Quercus tomentella
159	WALNUT AV	873	941	6	No	Syagrus romanzoffianum	6	Syagrus romanzoffianum	Olea europaea 'Swan Hill'	Quercus tomentella
160	WALNUT AV	950	950	7	No	Juglans hindsii	2	Syagrus romanzoffianum	Olea europaea 'Swan Hill'	Quercus tomentella

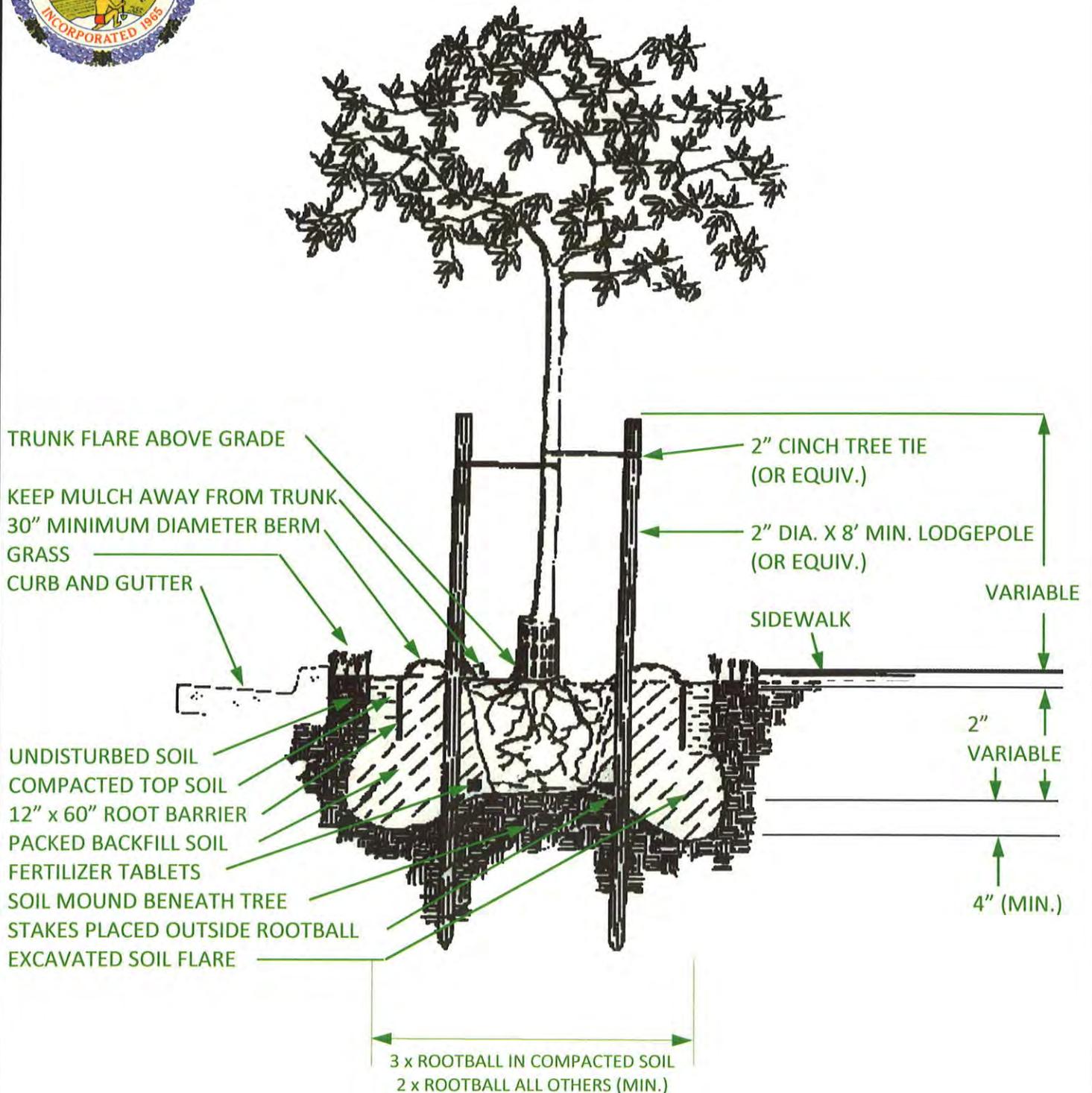
Section 6

Planting Detail



CITY OF CARPINTERIA

Tree Planting Detail



1. Tree spacing 35' minimum to 50' maximum
2. Plant 30' minimum from the BCR on the approach to an intersection and 10' from the ECR on the exit side
3. Plant 10' minimum from edge of approach
4. Plant 10' minimum from street light standards and power lines
5. Plant 10' minimum from fire hydrants
6. Plant 5' from house walks and utility meters
7. Center tree between the sidewalk and curb
8. Where there is no parkway, plant tree in the center of the public right-of-way

TREE PLANTING SPECIFICATIONS

1. Trees must be of quality nursery stock, free from pests, disease and structural defects.
2. Dig planting pit twice as wide as root ball, or as wide as practical per planting location. Pit should be no deeper than soil in the tree container.

NOTE: If drainage is a concern, the outside perimeter of the pit can be dug deeper to divert excess water away from the root ball. (See diagram)

3. Remove the tree from the container (15 gallon), or bottom from box size trees, and place it in the planting pit. The soil level should be 1" - 2" above the finish grade to allow for some settling. Remove the remainder of the box on larger trees.
 4. Backfill the pit $\frac{1}{2}$ way with native soil, add fertilizer tablets if required and enough water to flood the bottom of the pit.
 5. Add circular installation of 12" root barrier so that the top of the root barrier is just above the finish grade.
 6. Complete backfill of pit with native soil, tamping in soil with feet or shovel handle to insure there are no air pockets and that soil is reasonably firm.
 7. Prepare earthen water basin capable of holding at least 10 gallons of water.
 8. Remove nursery stake and install 2 tree stakes that are tall enough to support the tree.
 9. Attach trees to stakes with soft rubber ties and attach a trunk protector to the base of the tree.
 10. Fill the water basin and let seep two times.
-

Section 7

Vacant Site Listing

City of Carpinteria - ArborAccess Online

Inventory Report

DIST	STREET ADDRESS	SIDE	TREE ON STREET ADDRESS	BOTANICAL NAME	DBH	HEIGHT
1	4861 3RD ST	FRONT	1	Vacant site	---	---
1	4727 7TH ST	FRONT	1	Vacant site	---	---
1	4743 7TH ST	FRONT	1	Vacant site	---	---
1	4775 7TH ST	FRONT	1	Vacant site	---	---
1	4837 7TH ST	FRONT	1	Vacant site	---	---
1	5090 7TH ST	SIDE	1 701 X MAPLE AV	Vacant site	---	---
1	5053 8TH ST	FRONT	1	Vacant site	---	---
1	5139 8TH ST	FRONT	1	Vacant site	---	---
1	5157 8TH ST	FRONT	1	Vacant site	---	---
1	5175 8TH ST	FRONT	1	Vacant site	---	---
1	5241 8TH ST	FRONT	1	Vacant site	---	---
1	5241 8TH ST	SIDE	6 600 X WALNUT AV	Vacant site	---	---
1	5241 8TH ST	SIDE	11 600 X WALNUT AV	Vacant site	---	---
1	5246 8TH ST	FRONT	1	Vacant site	---	---
1	5256 8TH ST	FRONT	1	Vacant site	---	---
1	5455 8TH ST	FRONT	3	Vacant site	---	---
5	5004 ALVARADO RD	SIDE	1 1590 X LINDEN AV	Vacant site	---	---
5	5005 ALVARADO RD	SIDE	1 1550 X LINDEN AV	Vacant site	---	---
5	5005 ALVARADO RD	SIDE	2 1550 X LINDEN AV	Vacant site	---	---
4	1471 ANDREA ST	FRONT	1	Vacant site	---	---
4	1493 ANDREA ST	SIDE	2 5201 X EL CARRO LN	Vacant site	---	---
5	4605 ARAGON DR	SIDE	1 1380 X CHANEY AV	Vacant site	---	---
5	4605 ARAGON DR	SIDE	2 1380 X CHANEY AV	Vacant site	---	---
5	4655 ARAGON DR	FRONT	1	Vacant site	---	---
5	4685 ARAGON DR	FRONT	1	Vacant site	---	---
2	420 ARBOL VERDE ST	FRONT	1	Vacant site	---	---
2	436 ARBOL VERDE ST	FRONT	1	Vacant site	---	---
2	480 ARBOL VERDE ST	FRONT	1	Vacant site	---	---
2	830 ARBOL VERDE ST	FRONT	1	Vacant site	---	---
1	160 ASH AV	FRONT	1	Vacant site	---	---
5	1445 AZALEA DR	FRONT	1	Vacant site	---	---
5	1446 AZALEA DR	FRONT	1	Vacant site	---	---
5	1436 BEGONIA DR	FRONT	1	Vacant site	---	---
4	1285 BYRNES LN	FRONT	1	Vacant site	---	---
2	5613 CALLE PACIFIC	FRONT	1	Vacant site	---	---
2	767 CALLE REY MAR	FRONT	1	Vacant site	---	---
5	1431 CAMELLIA CIR	FRONT	1	Vacant site	---	---
5	1451 CAMELLIA CIR	FRONT	1	Vacant site	---	---

City of Carpinteria - ArborAccess Online

Inventory Report

DIST	STREET ADDRESS	SIDE	TREE ON STREET ADDRESS	BOTANICAL NAME	DBH	HEIGHT
2	2 X CITY HALL	FRONT	51	Vacant site	---	---
2	899 CONCHA LOMA DR	FRONT	1	Vacant site	---	---
2	899 CONCHA LOMA DR	FRONT	2	Vacant site	---	---
2	974 CONCHA LOMA DR	FRONT	1	Vacant site	---	---
2	975 X CONCHA LOMA DR	FRONT	1	Vacant site	---	---
2	975 X CONCHA LOMA DR	FRONT	2	Vacant site	---	---
2	990 CONCHA LOMA DR	FRONT	1	Vacant site	---	---
2	1000 CONCHA LOMA DR	FRONT	1	Vacant site	---	---
4	5401 DARIESA ST	FRONT	1	Vacant site	---	---
4	5407 DARIESA ST	FRONT	1	Vacant site	---	---
4	5422 DARIESA ST	FRONT	1	Vacant site	---	---
4	5422 DARIESA ST	SIDE	1 1535 X LISA ST	Vacant site	---	---
4	5458 DARIESA ST	FRONT	2	Vacant site	---	---
4	5476 DARIESA ST	FRONT	1	Vacant site	---	---
4	5476 DARIESA ST	SIDE	1 1540 X MYRA ST	Vacant site	---	---
5	1320 DELTA AV	FRONT	1	Vacant site	---	---
5	1328 DELTA AV	FRONT	1	Vacant site	---	---
5	1337 DELTA AV	FRONT	1	Vacant site	---	---
5	4425 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4465 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4465 EL CARRO LN	FRONT	2	Vacant site	---	---
5	4466 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4466 EL CARRO LN	SIDE	1 1470 X LA JOLLA PL	Vacant site	---	---
5	4466 EL CARRO LN	SIDE	2 1470 X LA JOLLA PL	Vacant site	---	---
5	4486 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4495 EL CARRO LN	SIDE	1 1445 X SANTA YNEZ AV	Vacant site	---	---
5	4566 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4595 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4605 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4645 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4745 EL CARRO LN	FRONT	2	Vacant site	---	---
5	4755 EL CARRO LN	FRONT	1	Vacant site	---	---
5	4775 EL CARRO LN	FRONT	1	Vacant site	---	---
4	5048 EL CARRO LN	FRONT	1	Vacant site	---	---
4	5048 EL CARRO LN	FRONT	2	Vacant site	---	---
4	5048 EL CARRO LN	FRONT	3	Vacant site	---	---
4	5048 EL CARRO LN	FRONT	4	Vacant site	---	---
5	5048 EL CARRO LN	SIDE	4 1500 X LINDEN AV	Vacant site	---	---

City of Carpinteria - ArborAccess Online

Inventory Report

DIST	STREET ADDRESS	SIDE	TREE ON STREET ADDRESS	BOTANICAL NAME	DBH	HEIGHT
4	5413 GRANADA WY	FRONT	1	Vacant site	---	---
4	5420 GRANADA WY	FRONT	1	Vacant site	---	---
4	5429 GRANADA WY	FRONT	1	Vacant site	---	---
4	5458 GRANADA WY	FRONT	1	Vacant site	---	---
4	1485 HAIDA ST	FRONT	1	Vacant site	---	---
5	2 X HEATH RANCH PARK	PARK	1	Vacant site	---	---
5	2 X HEATH RANCH PARK	PARK	25	Vacant site	---	---
5	2 X HEATH RANCH PARK	PARK	26	Vacant site	---	---
5	2 X HEATH RANCH PARK	PARK	27	Vacant site	---	---
5	2 X HEATH RANCH PARK	PARK	28	Vacant site	---	---
4	1515 JAY ST	FRONT	1	Vacant site	---	---
4	1546 JAY ST	FRONT	1	Vacant site	---	---
4	1551 JAY ST	FRONT	1	Vacant site	---	---
4	1557 JAY ST	FRONT	1	Vacant site	---	---
5	1320 X JUNE AV	FRONT	1	Vacant site	---	---
5	1341 JUNE AV	FRONT	1	Vacant site	---	---
4	1548 KATHY ST	FRONT	1	Vacant site	---	---
4	1553 KATHY ST	FRONT	1	Vacant site	---	---
4	1559 KATHY ST	FRONT	1	Vacant site	---	---
4	1254 LA BREA LN	FRONT	2	Vacant site	---	---
4	1266 LA BREA LN	FRONT	1	Vacant site	---	---
4	1271 LA BREA LN	FRONT	1	Vacant site	---	---
4	1306 LA MANIDA	SIDE	1 5340 X OGAN RD	Vacant site	---	---
4	1307 LA MANIDA	SIDE	2 5330 X OGAN RD	Vacant site	---	---
4	1342 LA MANIDA	FRONT	1	Vacant site	---	---
4	1349 LA MANIDA	FRONT	1	Vacant site	---	---
4	1286 LA PALA LN	FRONT	1	Vacant site	---	---
5	4445 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4446 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4456 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4466 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4475 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4485 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4495 LA TIERRA LN	FRONT	1	Vacant site	---	---
5	4496 LA TIERRA LN	SIDE	1 1495 X SANTA YNEZ AV	Vacant site	---	---
5	4496 LA TIERRA LN	SIDE	2 1495 X SANTA YNEZ AV	Vacant site	---	---
5	4496 LA TIERRA LN	SIDE	3 1495 X SANTA YNEZ AV	Vacant site	---	---
5	4505 LA TIERRA LN	FRONT	1	Vacant site	---	---

City of Carpinteria - ArborAccess Online

Inventory Report

DIST	STREET ADDRESS	SIDE	TREE ON STREET ADDRESS	BOTANICAL NAME	DBH	HEIGHT
4	5285 OGAN RD	FRONT	1	Vacant site	---	---
4	5285 OGAN RD	FRONT	2	Vacant site	---	---
4	5325 OGAN RD	FRONT	1	Vacant site	---	---
4	5329 OGAN RD	FRONT	1	Vacant site	---	---
4	5333 OGAN RD	FRONT	1	Vacant site	---	---
4	5343 OGAN RD	FRONT	1	Vacant site	---	---
4	5355 OGAN RD	FRONT	1	Vacant site	---	---
4	5371 OGAN RD	FRONT	1	Vacant site	---	---
5	1322 POST AV	FRONT	1	Vacant site	---	---
5	1329 POST AV	FRONT	1	Vacant site	---	---
5	1339 POST AV	FRONT	1	Vacant site	---	---
1	4700 SANDYLAND RD	SIDE	1 100 X ASH AV	Vacant site	---	---
1	4700 SANDYLAND RD	SIDE	2 100 X ASH AV	Vacant site	---	---
1	4700 SANDYLAND RD	SIDE	3 100 X ASH AV	Vacant site	---	---
1	4975 SANDYLAND RD	FRONT	2	Vacant site	---	---
5	1367 SANTA MONICA RD	FRONT	2	Vacant site	---	---
4	5355 SANTA ROSA LN	FRONT	1	Vacant site	---	---
4	5355 SANTA ROSA LN	SIDE	1 1320 X EL PORTAL AV	Vacant site	---	---
4	5355 SANTA ROSA LN	SIDE	2 1320 X EL PORTAL AV	Vacant site	---	---
4	5360 SANTA ROSA LN	FRONT	1	Vacant site	---	---
4	5360 SANTA ROSA LN	SIDE	1 1340 X EL PORTAL AV	Vacant site	---	---
4	5361 SANTA ROSA LN	FRONT	1	Vacant site	---	---
5	1301 SANTA YNEZ AV	SIDE	2 4490 X VIA REAL	Vacant site	---	---
4	5408 SHEMARA ST	FRONT	1	Vacant site	---	---
4	5408 SHEMARA ST	SIDE	1 1470 X CAMINO TRILLADO	Vacant site	---	---
4	5408 SHEMARA ST	SIDE	2 1470 X CAMINO TRILLADO	Vacant site	---	---
4	5417 SHEMARA ST	FRONT	1	Vacant site	---	---
5	1377 STERLING AV	FRONT	1	Vacant site	---	---
5	1377 STERLING AV	SIDE	1 4750 X ELEANOR DR	Vacant site	---	---
5	1404 STERLING AV	FRONT	1	Vacant site	---	---
5	1413 STERLING AV	FRONT	1	Vacant site	---	---
5	1421 STERLING AV	FRONT	1	Vacant site	---	---
5	1330 TOMOL DR	FRONT	1	Vacant site	---	---
5	1340 TOMOL DR	FRONT	1	Vacant site	---	---
5	1351 TOMOL DR	FRONT	1	Vacant site	---	---
5	1360 TOMOL DR	FRONT	1	Vacant site	---	---
5	1369 TOMOL DR	FRONT	1	Vacant site	---	---
5	1402 TOMOL DR	FRONT	1	Vacant site	---	---

Section 8

Frequency Reports

City of Carpinteria



Dist Freq

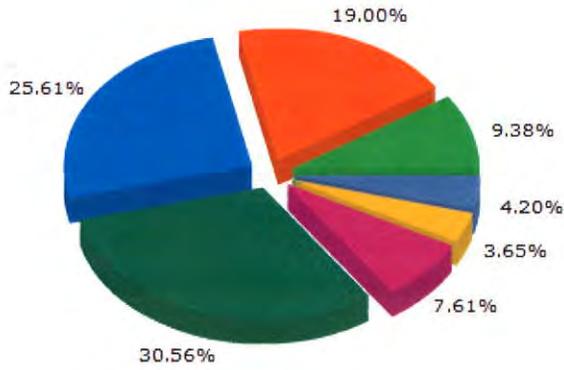
District	Trees	Vacancies	Non Tree Sites
1	973	45	4
2	292	28	1
3	51	0	0
4	618	92	6
5	710	110	2
Totals:	2,644	275	13

City of Carpinteria



DBH Frequency

DBH	Total
---	275
0-6	557
07-12	751
13-18	896
19-24	223
25-30	107
31+	123
Total: 2,932	



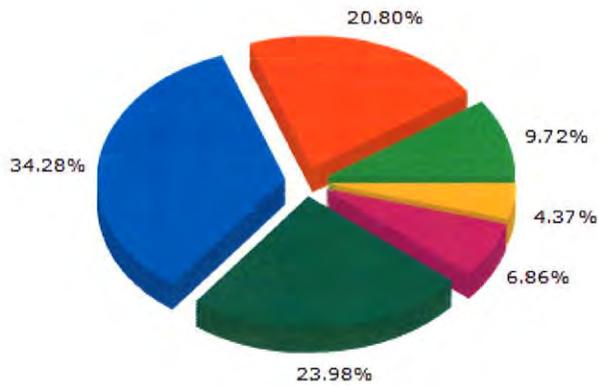
DBH	%
---	9.38
0-6	19.00
07-12	25.61
13-18	30.56
19-24	7.61
25-30	3.65
31+	4.20

City of Carpinteria



Height Frequency

Height	Total
---	285
01-15	610
15-30	1,005
30-45	703
45-60	201
60+	128
Total: 2,932	



Height	%
---	9.72
01-15	20.80
15-30	34.28
30-45	23.98
45-60	6.86
60+	4.37

City of Carpinteria



Species Frequency

Botanical Name	Common Name	Total
<i>Callistemon viminalis</i>	WEeping BOTTLEBRUSH	156
<i>Syagrus romanzoffianum</i>	QUEEN PALM	153
<i>Washingtonia robusta</i>	MEXICAN FAN PALM	142
<i>Platanus racemosa</i>	CALIFORNIA SYCAMORE	137
<i>Jacaranda mimosifolia</i>	JACARANDA	129
<i>Ligustrum lucidum</i>	GLOSSY PRIVET	106
<i>Quercus agrifolia</i>	COAST LIVE OAK	105
<i>Magnolia grandiflora</i>	SOUTHERN MAGNOLIA	100
<i>Metrosideros excelsus</i>	NEW ZEALAND CHRISTMAS TREE	90
<i>Cupaniopsis anacardioides</i>	CARROTWOOD	83
<i>Liquidambar styraciflua</i>	AMERICAN SWEETGUM	82
<i>Fraxinus uhdei</i>	SHAMEL ASH	81
<i>Prunus cerasifera</i>	PURPLE-LEAF PLUM	80
<i>Archontophoenix cunninghamiana</i>	KING PALM	74
<i>Podocarpus gracilior</i>	FERN PINE	62
<i>Platanus acerifolia</i>	LONDON PLANE	52
<i>Trachycarpus fortunei</i>	WINDMILL PALM	50
<i>Ginkgo biloba</i>	MAIDENHAIR TREE	47
<i>Fraxinus velutina</i>	ARIZONA ASH	45
<i>Pinus pinea</i>	ITALIAN STONE PINE	45
<i>Tabebuia impetiginosa</i>	PINK TRUMPET TREE	45
<i>Koelreuteria bipinnata</i>	CHINESE FLAME TREE	44
<i>Schinus terebinthifolius</i>	BRAZILIAN PEPPER	44
<i>Callistemon citrinus</i>	LEMON BOTTLEBRUSH	43
<i>Tipuana tipu</i>	TIPU	34
<i>Stenocarpus sinuatus</i>	FIREWHEEL TREE	33
<i>Pinus canariensis</i>	CANARY ISLAND PINE	28
<i>Eucalyptus citriodora</i>	LEMON-SCENTED GUM	26
<i>Pittosporum undulatum</i>	VICTORIAN BOX	25
<i>Brahea edulis</i>	GUADALUPE PALM	24
<i>Tristania laurina</i>	WATER GUM	22
<i>Pinus halepensis</i>	ALEPPO PINE	21
<i>Populus nigra 'Italica'</i>	LOMBARDY POPLAR	17
<i>Pinus brutia</i>	CALABRIAN PINE	16
<i>Phoenix canariensis</i>	CANARY ISLAND DATE PALM	15
<i>Prunus caroliniana</i>	CAROLINA LAUREL CHERRY	14
<i>Cassia leptophylla</i>	GOLD MEDALLION TREE	13
<i>Quercus suber</i>	CORK OAK	13
<i>Cedrus deodara</i>	DEODAR CEDAR	12
<i>Ceratonia siliqua</i>	CAROB	12
<i>Eucalyptus globulus</i>	BLUE GUM	12
<i>Melaleuca quinquenervia</i>	CAJEPUT TREE	12
<i>Eucalyptus ficifolia</i>	RED FLOWERING GUM	11
<i>Olea europaea</i>	OLIVE	10
<i>Washingtonia filifera</i>	CALIFORNIA FAN PALM	10
<i>Fraxinus velutina 'Modesto'</i>	MODESTO ASH	9
<i>Pinus radiata</i>	MONTEREY PINE	9
<i>Chamaerops humilis</i>	MEDITERRANEAN FAN PALM	8
<i>Eucalyptus camaldulensis</i>	RED GUM	8
<i>Juniperus chinensis 'Torulosa'</i>	HOLLYWOOD JUNIPER	8
<i>Quercus ilex</i>	HOLLY OAK	8
<i>Syzygium paniculatum</i>	BRUSH CHERRY	8
<i>Tilia cordata</i>	LITTLE LEAF LINDEN	8
<i>Sequoia sempervirens</i>	COAST REDWOOD	7
<i>Pinus eldarica</i>	AFGHAN PINE	6
<i>Pyrus kawakamii</i>	EVERGREEN PEAR	6
<i>Ulmus parvifolia</i>	CHINESE ELM	6
<i>Yucca gloriosa</i>	SPANISH DAGGER	6
<i>Cercis canadensis</i>	EASTERN REDBUD	5

City of Carpinteria



Species Freq

Botanical Name	Common Name	Total
<i>Cercis occidentalis</i>	WESTERN REDBUD	5
<i>Ligustrum confusum</i>	PRIVET	5
<i>Lophostemon confertus</i>	BRISBANE BOX	5
<i>Pinus torreyana</i>	TORREY PINE	5
<i>Schinus molle</i>	CALIFORNIA PEPPER	5
<i>Agonis flexuosa</i>	PEPPERMINT TREE	4
<i>Brachychiton acerifolius</i>	AUSTRALIAN FLAME TREE	4
<i>Ficus microcarpa</i> 'Nitida'	INDIAN LAUREL FIG	4
<i>Livistona decipiens</i>	WEeping FOUNTAIN PALM	4
<i>Melaleuca linariifolia</i>	FLAXLEAF PAPERBARK	4
<i>Phoenix roebelenii</i>	PYGMY DATE PALM	4
<i>Podocarpus nagi</i>	PODOCARPUS NAGI	4
<i>Bauhinia variegata</i>	PURPLE ORCHID TREE	3
<i>Betula pendula</i>	EUROPEAN WHITE BIRCH	3
<i>Eriobotrya japonica</i>	EDIBLE LOQUAT	3
<i>Eucalyptus cladocalyx</i>	SUGAR GUM	3
<i>Eucalyptus polyanthemus</i>	SILVER DOLLAR GUM	3
<i>Feijoa sellowiana</i>	PINEAPPLE GUAVA	3
<i>Hymenosporum flavum</i>	SWEETSHADE	3
<i>Juglans hindsii</i>	CALIFORNIA BLACK WALNUT	3
<i>Juglans regia</i>	ENGLISH WALNUT	3
<i>Myoporum laetum</i>	MYOPORUM	3
<i>Pittosporum rhombifolium</i>	QUEENSLAND PITTOSPORUM	3
<i>Psidium cattleianum</i>	STRAWBERRY GUAVA	3
<i>Tabebuia chrysotricha</i>	GOLDEN TRUMPET TREE	3
<i>Ulmus pumila</i>	SIBERIAN ELM	3
<i>Acer saccharinum</i>	SILVER MAPLE	2
<i>Araucaria columnaris</i>	STAR PINE	2
<i>Butia capitata</i>	PINDO PALM	2
<i>Cupressus macrocarpa</i>	MONTEREY CYPRESS	2
<i>Cupressus sempervirens</i>	ITALIAN CYPRESS	2
<i>Grevillea robusta</i>	SILK OAK	2
<i>Liriodendron tulipifera</i>	TULIP TREE	2
<i>Persea americana</i>	AVOCADO	2
<i>Pinus thunbergiana</i>	JAPANESE BLACK PINE	2
<i>Pittosporum crassifolium</i>	KARO	2
<i>Platycladus orientalis</i>	ORIENTAL ARBORVITAE	2
<i>Prunus armeniaca</i>	APRICOT	2
<i>Quercus rubra</i>	RED OAK	2
<i>Quercus spp.</i>	OAK	2
<i>Quercus tomentella</i>	ISLAND OAK	2
<i>Sequoiadendron giganteum</i>	GIANT SEQUOIA	2
<i>Solanum jasminoides</i>	POTATO VINE	2
<i>Tabebuia avellanedae</i>	LAVENDER TRUMPET TREE	2
<i>Taxodium distichum</i>	BALD CYPRESS	2
<i>Acacia melanoxylon</i>	BLACK ACACIA	1
<i>Acacia stenophylla</i>	SHOESTRING ACACIA	1
<i>Albizia julibrissin</i>	SILK TREE	1
<i>Alnus rhombifolia</i>	WHITE ALDER	1
<i>Araucaria bidwillii</i>	BUNYA-BUNYA	1
<i>Araucaria heterophylla</i>	NORFOLK ISLAND PINE	1
<i>Brachychiton populneus</i>	BOTTLE TREE	1
<i>Brahea armata</i>	MEXICAN BLUE PALM	1
<i>Brugmansia spp.</i>	ANGELS TRUMPET	1
<i>Callistemon spp.</i>	BOTTLEBRUSH	1
<i>Celtis sinensis</i>	CHINESE HACKBERRY	1
<i>Cordyline australis</i>	DRACAENA	1
<i>Cupressus glabra</i>	ARIZONA CYPRESS	1
<i>Eucalyptus cinerea</i>	ASH GUM	1
<i>Eucalyptus torquata</i>	CORAL GUM	1

City of Carpinteria



Species Freq

Botanical Name

Ficus rubiginosa
Koelreuteria paniculata
Lagerstroemia indica
Leucaena glauca
Ligustrum spp.
Maytenus boaria
Melaleuca nesophila
Neodypsis decaryi
Nerium oleander
Phoenix dactylifera
Phoenix reclinata
Pinus roxburghii
Pinus spp.
Prunus blireiana
Prunus domestica
Prunus lyonii
Pyrus calleryana
Sophora japonica
Wodyetia bifurcata

Common Name

RUSTY LEAF FIG
 GOLDENRAIN TREE
 CRAPE MYRTLE
 WHITE POPINAC
 PRIVET
 MAYTEN TREE
 PINK MELALEUCA
 TRIANGLE PALM
 OLEANDER
 DATE PALM
 SENEGAL PALM
 CHIR PINE
 PINE
 FLOWERING PLUM
 PLUM
 CATALINA CHERRY
 ORNAMENTAL PEAR
 JAPANESE PAGODA TREE
 FOXTAIL PALM

Total

1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1
 1

Total: 2,644

Non Species:

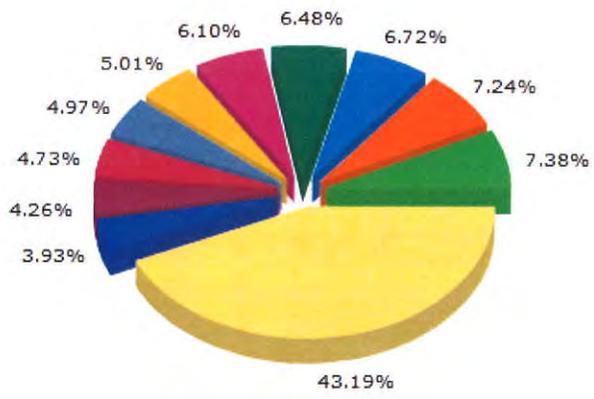
Vacant site
 Stump
 Not City Planted/Maintained

VACANT SITE
 STUMP
 NOT CITY PLANTED/MAINTAINED

275
 10
 3

Total: 288

Grand Total: 2,932



Top 10 Species		%
	Callistemon viminalis	7.38
	Syagrus romanzoffianum	7.24
	Washingtonia robusta	6.72
	Platanus racemosa	6.48
	Jacaranda mimosifolia	6.10
	Ligustrum lucidum	5.01
	Quercus agrifolia	4.97
	Magnolia grandiflora	4.73
	Metrosideros excelsus	4.26
	Cupaniopsis anacardioides	3.93
	Other	43.19

Section 9

Community Outreach



January 29, 2010

RESIDENT

1234 MAIN STREET
CARPINTERIA, CA 93013

RE: STREET TREE REPLACEMENT PROGRAM

Dear Resident,

According to the City's tree inventory your parkway has been designated as a potential tree planting site. If you wish to select the tree planted in your parkway, please return the enclosed postcard within two weeks of receiving this letter. Simply choose one of the three choices* AMERICAN SWEETGUM, CRAPE MYRTLE, TULIP TREE, and mail the postcard back (be sure to include postage); in the event a postcard is not received the first choice listed will be planted. The selections are based upon the City of Carpinteria's Master Street Tree Plan and the performance and history within the City, as well as characteristics specific to these trees such as, growing space, root structure and general resistance to insects and disease.

We trust you will be pleased with your new tree. Trees beautify our City, increase property value and help the environment. The City maintains street trees, but we ask that you take the responsibility of watering your tree as needed. After the planting has been completed, you will receive an educational door hanger that will explain procedures for proper care and maintenance of your new tree.

Thank you for your time and cooperation in this matter. If you have any concerns, we would like to hear from you. Please call the City of Carpinteria Department of Public Works, at (805) 684-5405 or West Coast Arborists, Inc. at (714) 991-1900.

Sincerely,

* Trees may be viewed at www.WCAINC.com

Sample Return Post Card

City of Carpinteria Street Tree Planting Program

- YES, I would like a JACARANDA
- YES, I would like a GOLD MEDALLION TREE
- YES, I would like a CHITALPA

For the address located at:

1477 ALVA ST

Name _____

Date _____

City of Carpinteria

5775 Carpinteria Avenue

Carpinteria, CA 93013

Section 10

Sample Door Hanger



TREE PLANTING NOTICE

In an effort to beautify the City and help the environment, a tree has been planted in your parkway. The tree selected was based on tree performance characteristics such as limb and root structure and general resistance to insects and disease. The planting was completed by West Coast Arborists, the tree care contractor for the City.

The City shall be responsible for all major pruning and any tree surgery that is needed and the control and treatment of insect pests and diseases. However, we ask that you take the responsibility of watering your tree as needed. Here are a few guidelines to follow for proper care and maintenance of your new tree: 1) Do not change the staking; tight staking does not let the tree grow strong. 2) Keep the tree well free of weeds and other plants; they will take nutrients away from the tree. 3) **Fill the tree well with water twice a week; deep watering will promote downward growth of roots and help prevent broken curbs and sidewalk damage.** 4) Keep fertilizer with weed killer at least five to ten feet away from the tree. 5) If a tree needs restaking, please call the City of Carpinteria, Public Works Department at (805) 684-5405.

Your cooperation is greatly appreciated in this effort to make our City a beautiful place to live.



TREE PLANTING NOTICE

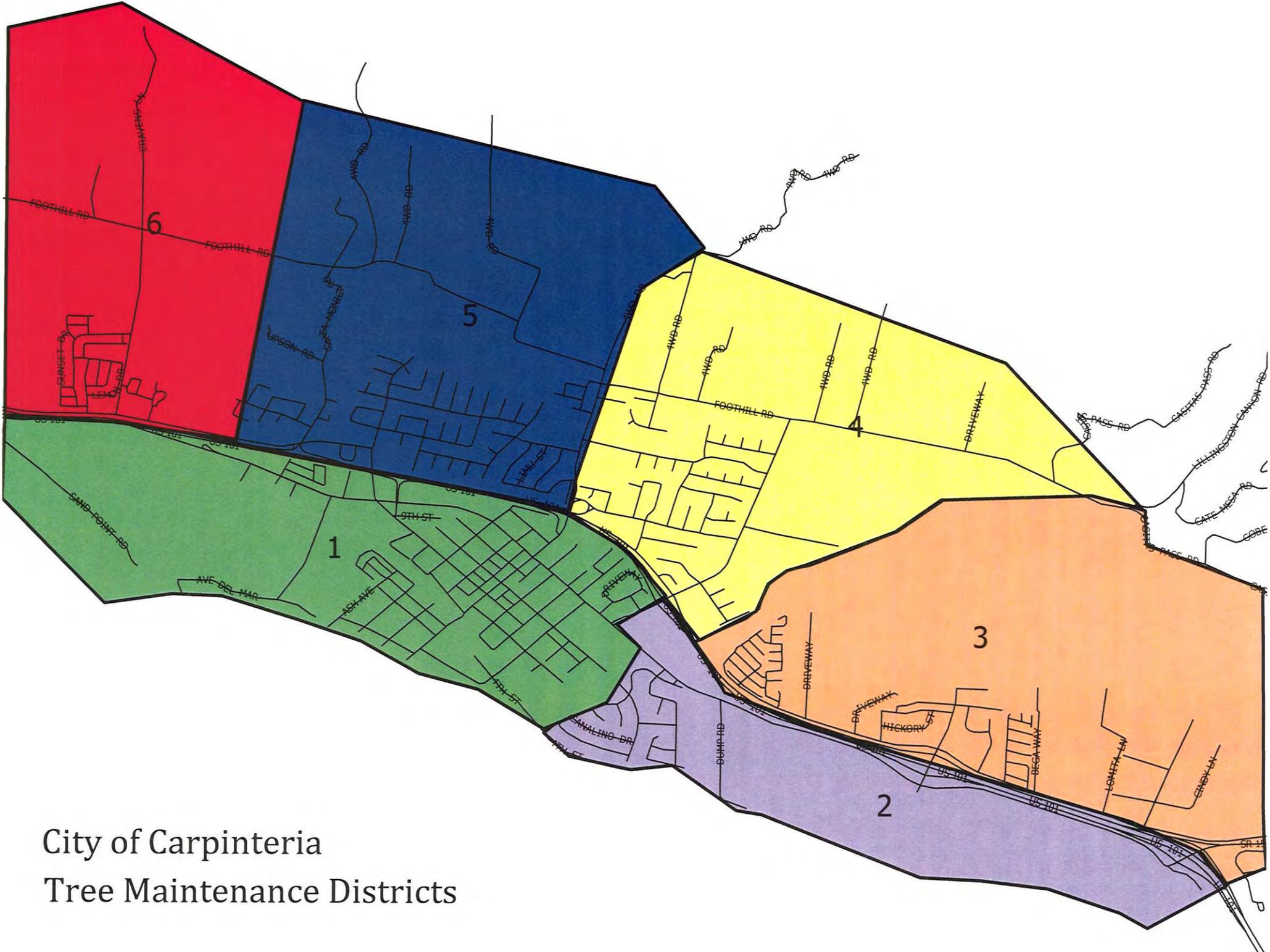
In an effort to beautify the City and help the environment, a tree has been planted in your parkway. The tree selected was based on tree performance characteristics such as limb and root structure and general resistance to insects and disease. The planting was completed by West Coast Arborists, the tree care contractor for the City.

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Your cooperation is greatly appreciated in this effort to make our City a beautiful place to live.

Section 11

District Maps



City of Carpinteria
Tree Maintenance Districts

Section 12

Street Tree Ordinance/ Municipal Code

Street Tree Ordinance/Municipal Code

12.28.010 Purpose of chapter and findings.

A. Purpose. This chapter is adopted for the purpose of establishing rules and regulations relating to the planting, care, maintenance and removal of trees, shrubs and any other plantings in public areas, rights-of-way and easements, and relating to certain activities on private property.

B. General Findings. The city council makes the following general findings regarding the relationship between health, safety and the general welfare and protection and maintenance of street and private trees as addressed in this chapter:

1. They are a valuable long-term community asset, and intend to increase property values in their vicinity.
2. They recycle air and water, convert carbon dioxide into oxygen, provide shade and windbreak protection, can moderate temperatures for an entire neighborhood or community, and thereby protect us from climatic extremes.
3. They screen or absorb dust and pollutants, and buffer traffic and other noise.
4. They impart greater satisfaction and quality to community life by contributing to the pleasantness and serenity of neighborhoods, and filling and enhancing our physical environment with life and beauty.
5. Their presence in our lives does much to reduce the stress of modern living.
6. They diffuse the effects of rain in weathering houses, eroding topsoil, and causing flooding, and provide enrichment of the soil for more plant growth.
7. They provide habitat for birds and other animals so that we may live in a natural balance of nature.
8. They give the community a feeling of presence and dignity, help express the caliber and pride of its residents, and make it more attractive to existing and prospective residents and visitors.
9. They enhance the architectural character of a neighborhood, accent or soften the effect of structures, promote visual formality and aesthetic interest, and screen undesirable views.
10. Inappropriate trees planted in particular locations, as well as failure to properly and systematically maintain street trees and certain private trees, can create dangerous conditions, result in discordant plant types, and promote the spread of disease among various species.
11. Having a formal, city street tree management plan will insure that the community will realize the benefits from trees through proper management of the city's urban forest, with due regard for the desirability of identifying preferred species in designated locations and minimizing damage to curbs, gutters, sidewalks and other public or private facilities.
12. Because it can take decades to grow a mature tree, but only moments to destroy it, due deliberation is called for in considering any action which may adversely affect a street tree, particularly with regard to historic or specimen trees whether on public or private property.
13. Provisions for urban landscaping and street tree policies are included among the standards and review procedures of the community design element in the general plan, and are intended to enhance the city's positive image, use open space and landscaping to strengthen community identity, provide visual relief in heavily developed areas and ensure aesthetic appearance of parkways, use selective landscaping to establish neighborhood theme and character, and promote functional landscaping as part of energy-efficient community design standards using low maintenance, drought-resistant and wind-resistant species, while protecting views of the mountains and enhancing their role as a point of reference.
14. The community design element of the general plan calls for street tree policies which provide an environment to encourage pedestrian traffic through the community, reinforce human scale, minimize the visual dominance of paved surfaces, develop and expand citywide street landscaping and tree guidelines for the use of both the public and private sectors, and encourage use of landscape

maintenance districts.

15. In order to effectively nurture and sustain the city's urban forest, it is appropriate and necessary that the resident living closest to an adjacent parkway provide for the maintenance of any street trees planted therein, for such resident receives greater direct benefit from them than other community residents, and is uniquely in a position to provide such maintenance.

16. For all of the reasons set forth in subdivisions 1 through 15 of this subsection, there is a direct and reasonable relationship between development on any parcel of property within the city and the need for and provision of street trees on adjoining parkways, including the charging of fees to assure such provision prior to the issuance of building permits. Such development creates conditions on the site which would, if not mitigated, have a negative effect on the character of the neighborhood and the minimum aesthetic values necessary for the health, safety and general welfare of the community.

(Ord. 433 § 2 (part), 1988)

12.28.030 Definitions.

The following definitions shall apply to this chapter:

- A. "City" means the City of Carpinteria acting by and through its authorized representatives.
- B. "Conforming tree" means an approved tree that is included on the city's adopted master street tree list, planted and grown in accordance with the street tree management plan.
- C. "Director" means the city manager or his designee.
- D. "Even-aged" means those trees of similar species, or of different species with similar lifespan, all of which were planted at approximately the same time and are likely to decline simultaneously.
- E. "Ground cover" means grass, turf or perennial plants that normally grow in a prostrate manner so as to conceal, or with the purpose of concealing, the ground surface that do not exceed eight inches in height, and will tolerate light pedestrian traffic.
- F. "Hedge" means any plant material, shrub or plant, when planted in a dense, continuous line or area, as to form a thicket or barrier.
- G. "Maintain" or "maintenance" means and includes pruning, spraying, root pruning, mulching, fertilizing, cultivating, supporting, treating for disease or injury, promoting public safety or other similar act which promotes the life, growth, health or beauty of any planting on public property.
- H. "Monocultures" means single species plantings, whether or not even-aged, which can intensify problems of disease susceptibility and/or insect infestation.
- I. "Park tree" means any tree, shrub or other plant located on, in or over any public area.
- J. "Parkway" means that portion of a public street which is not improved for actual street, curb, gutter or sidewalk use and which is available for planting and maintaining street trees.
- K. "Private tree" means any tree which is not a street tree, and which is located on private property.
- L. "Property owner" means the legal owner of any real property facing on any street of the city, and any lessee of such owner.
- M. "Protected tree" means any tree in one or more of the following categories which are to be protected and preserved as long as possible:
 - 1. "Exceptional specimen tree" means a tree considered an outstanding specimen of its species by reason of age, rarity, location, size, aesthetic quality, endemic status or unique character.
 - 2. "Habitat tree" means a tree (or any group of trees) which has special importance as a wildlife habitat.
 - 3. "Historic tree" or "heritage tree" means a tree which is of historic significance as defined under "historic planting," or which has taken on an aura of historic appeal.
- N. "Pruning, "trimming" or "thinning" means methods to control the height and spread of a tree, preserve its health and appearance, produce fuller branching and shaping, aid in disease prevention by allowing more light and air passage within, and make adjustments which will increase its longevity in an

urban environment.

O. "Public area" means any park, playground or area around public buildings, public parking lots and all other areas under the supervision and control of the city, not including any public street.

P. "Public street" means and includes every way set apart for public travel or use in the city, including any area available for use as a city street, road, avenue, boulevard, lane, alley, parkway, planting strip, curb, gutter or sidewalk owned by the city in fee or as an easement or right-of-way for public use.

Q. "Root barrier" means any number of devices, materials or methods of directing or redirecting the root systems of trees away from the surface of the ground in order to minimize root damage to adjacent concrete or asphalt public improvements, or to nearby utilities or structures, and to so control growth of tree root systems as to assure more deeply-rooted and firmly-anchored trees which are better able to withstand strong winds.

R. "Root pruning" means cutting back tree roots where they may be damaging curbs, gutters, sidewalks, driveways, and possibly sewer and water lines or other utilities in an attempt to prevent further damage, undertake necessary concrete repair work, and to avert or at least postpone the need for actual tree removal.

S. "Street tree" means any tree located on, in or over any parkway within the city.

T. "Topping," "heading," "stubbing" and "pollarding" mean relatively severe types of pruning which usually produce less desirable results than more moderate pruning with respect to a tree's natural form, and which should be used sparingly only when considered necessary or to eliminate hazards to human life or private property.

U. "Tree" means any woody plant, including a palm, which has the potential of attaining a minimum height of fifteen feet and has a canopy of foliage borne normally by a single trunk.

V. "Tree well" means a planting area found in an otherwise paved public street and is included in the definition of parkway.

W. "Urban forestry" means the scientific management of nonindigenous plantings creating a forest in the human living environment, and emphasizing the practice of wise professional planned care and development of all tree resources within an urban area including trees on public streets, public areas and on private property to provide for multiple use benefits for the general well-being of the entire community.

(Ord. 508 § 2, 1994; Ord. 433 § 2 (part), 1988)

12.28.040 Street tree management plan.

The city shall prepare and adopt a street tree management plan to include:

A. A master street tree list of approved trees giving their common and botanical names, and regulations and criteria relating to the location and manner of planting such trees as will protect public safety and public improvements, including consideration of the relationship of the size of a species at maturity to its designated locations;

B. Management practices regarding planting, maintenance, recycling, removal and replacement of street trees;

C. Specifications regarding how a tree should be planted and staked, guying, preparation of the planting area, the use of root barriers, the proper spacing between street trees, considerations of line of site and public safety, and the proper setback from curbs, sidewalks, fire hydrants, public utilities and street intersections;

D. A comprehensive street tree inventory specifying the location, distance from the curb, species, age and life expectancy, necessary maintenance, the size and condition of existing street trees (and estimated monetary value) the characteristics of each occupied and vacant planting site, and the nature and extent of any damage to public or private improvements attributed to any tree;

E. A systematic, orderly program for the scheduling of street tree maintenance on a regular basis, and

specifications regarding pruning, trimming, thinning, topping, heading, stubbing and pollarding;

F. Goals, guidelines and criteria with regard to tree canopy density, staged removal and replacement, monocultures, even-aged trees, temporary or interim trees, rotational reforestation and renewal, species selection and diversification, living and nonliving groundcovers, the relationship between viewsapes and tree heights and/or canopies, solar access, and public education and involvement.

Such plan shall also be developed to complement and be consistent with the city general plan, local coastal plan, any applicable specific plan and any adopted landscape requirements and standards for each city zoning area and street configuration, and to comply with all coastal commission requirements.

(Ord. 508 § 3, 1994; Ord. 433 § 2 (part), 1988)

12.28.070 Statement of city policy with regard to street trees.

Street tree plantings shall first be considered from the standpoint of the people using or passing along the streets, and in terms of the broader community benefit. Of secondary consideration is the benefit, embellishment or enhancement of the properties abutting the street.

(Ord. 433 § 2 (part), 1988)

12.28.080 Tree advisory board.

A. Creation and Establishment. There is created a city tree advisory board which shall consist of five members, who shall be residents of the Carpinteria Valley area. They shall be appointed by the mayor with the advice and consent of the city council. The members shall be lay citizens, and others with established professional competence in a pertinent discipline, and the following characteristics or attributes may serve as guidelines in making appointments to the board:

1. Members of the public interested in trees as a major component of Carpinteria's physical and aesthetic environment;
2. Arborists, ornamental horticulturists, and landscape architects and designers, or those with a technical background in a related field. At least two members of the board shall have such a professional background;
3. Other qualified and interested persons from garden clubs, conservation and beautification organizations;
4. Members of the academic community with training in the biological or other natural sciences.

B. Term of Office. The term of office for members of the tree advisory board shall be two years. All terms shall expire on January 31st of odd-numbered years. In the event that a vacancy should occur during the term of any member, his or her successor shall be appointed for the unexpired portion of the term. Members may serve more than one term.

C. Compensation. Members of the tree advisory board shall serve without compensation. Members shall be reimbursed for any expenses incurred as a result of authorized business related to their responsibilities as members of the board.

D. Organization. The board shall, immediately upon its appointment and taking office, elect a chair and vice-chair from among its membership, and thereafter at its regular meeting closest to and following February of odd numbered years. The board shall be subject to all local and state laws relating to meetings of public bodies, adopt and operate under its own rules of order and procedure as may be necessary, establish dates for its regular meetings which shall be held at least twice per year or more often as needed at a time and place determined by the board, and determine the method of calling special meetings. Minutes shall be kept of all meetings by the city clerk or his designee, who shall serve as secretary to the board.

E. Attendance. In the event a member of the board shall not attend two consecutive regular meetings, unless excused by the chairman of the board for good cause, the position of such member shall be

deemed to be vacant, and the term of such member terminated, and the mayor notified immediately by the chairman of such termination.

F. Duties and Responsibilities. In addition to all other duties and responsibilities set forth in this chapter, the board shall act in an advisory capacity to the city council, city manager and city staff in the administration of this chapter and with regard to all street tree matters. The board shall have the following duties and responsibilities:

1. Assist the director and city staff in the development, review and amendment of the comprehensive street tree management plan, street tree inventory, master street tree list, list of acceptable groundcover plantings for parkways and public areas, and landscape plan requirements for private developments;
2. Review and make recommendations regarding the city's annual street tree work program and budget;
3. Recommend a policy and guidelines on tree removal and replacement, to be reviewed annually, and a regular, periodic programmed maintenance schedule;
4. Advise on the technical problems of trees, including spraying, diseases, maintenance, pruning and related problems;
5. Make recommendations concerning overall policies, standards, guidelines and regulations for street trees and other plantings within the city;
6. Administer and annually update the written street tree management plan with regard to the care, preservation, pruning, planting, replanting, removal or disposition of street trees. Such plan shall be presented annually to the city council and upon council acceptance and approval shall constitute the official comprehensive street tree plan for the city;
7. Upon request by the city council or the director, shall consider, investigate, make findings, report and recommend upon any special matter or question relating to street or private trees within the city;
8. Hear appeals from residents on city staff decisions regarding permit denials, planting, trimming, pruning, removal or planting of trees, and conduct public hearings on tree removal requests. The board's decisions shall be appealable to the city council;
9. Recommend to the city council regarding the designation of "specimen" or "historic" trees and plantings, and any other category of "protected" tree as defined in this chapter.

(Ord. 508 § 6, 1994; Ord. 433 § 2 (part), 1988)

12.28.090 Enforcement.

The director shall be responsible for the enforcement of this chapter.
(Ord. 508 § 7, 1994; Ord. 433 § 2 (part), 1988)

12.28.100 Director--Authority and responsibility.

Subject to other provisions of this chapter:

- A. Director Responsible. The director is made responsible for the inspection, maintenance, removal and replacement of all street trees, and shall plan, administer, control and regulate the street tree program of the city in accordance with the street tree management plan and this chapter. The director shall also have authority to maintain and care for, as needed, street trees, and private trees to the extent they overhang or project in or on a public street or public area or adjacent private property as is reasonably necessary for the purpose of planting, maintaining, removing or replacing street trees.
- B. Roots. The director may cause the roots of established trees which have caused damage to be cut back as long as such remains a feasible, cost-effective way to avoid actual tree removal. Overhead limbs may be pruned or cut back to compensate for loss of root area.
- C. Protected Trees. This chapter is intended to give, and gives, full and complete authority to the director over any and all official, specimen, historic or otherwise protected trees and plantings now

existing or hereafter to be planted and grown upon any and all public streets and public areas in the city which are now or in the future will become a part of a comprehensive plan for planting and maintenance of trees in such areas.

D. Private Trees and Other Plantings. The director shall have authority over private trees or other plants to the extent provided for in Section 12.28.210C of this chapter.

(Ord. 508 § 8, 1994; Ord. 433 § 2 (part), 1988)

12.28.110 Protection of street trees.

A. Permit Required. No person shall plant, remove, trim, prune, spray or cut above or below ground portions of any street tree without first obtaining a permit to do so from the director subject to the provisions of this chapter and the street tree management plan.

B. Open Ground for Trees.

1. No person may place or maintain a stone, cement or other substance so that it impedes the free access of water or air to a street tree. At least sixteen square feet of open ground shall be maintained around a street tree unless the director specifically permits otherwise.

2. No person may plant, place or construct shrubs, trees not on the adopted master street tree list, flowers, vines, fences, rocks, gravel, signs, stakes or other substances or objects, except watering basins for young trees and temporary protection for newly planted lawns, or cause or create conditions of uneven ground, holes or other hazards, in a parkway without first obtaining a permit to do so from the director.

(Ord. 508 § 9, 1994; Ord. 433 § 2 (part), 1988)

12.28.120 Prohibitions and penalties.

A. Violations of Chapter. It shall be unlawful and a public nuisance for any person to plant, remove, prune, injure or destroy any street tree except in conformance with the provisions of this chapter.

B. Interference with Work or Enforcement.

1. No person shall interfere with or cause any person to interfere with any work being done under the provisions of this chapter by the director or any employee of the city, or by any person or firm doing work on a contract basis for the city or under a permit granted by the city, nor interfere with or cause any person to interfere with or delay the authorized representatives of the city from the execution and enforcement of this chapter, except as provided by law.

2. No person shall interfere with or cause anyone to interfere with or damage any overhead wires or underground pipes or conduits while removing, trimming or cutting any street trees. The owner of such facilities shall be notified when such work may interfere with or cause damage to the facilities. The cost of repair of the damage to overhead wires, underground pipes or conduits shall be the responsibility of the person, firm or corporation doing or causing the work to be done. The city and its officers and employees shall be exempt from the provisions of this subsection.

C. Nonpermitted Plantings. No person shall plant or install in a parkway or public area:

1. Any nonconforming tree;

2. Any other plant the ultimate growing height of which is over eight inches;

3. Any nonliving ground cover not included within the street tree management plan.

Any violations of these provisions will require the violator to pay the cost of maintaining, removing or replacing of such plantings, and violators shall also be responsible for the repair of any damage they may cause. These shall be in addition to any other penalties for violation of this chapter.

D. Damage to Street Trees.

1. Unlawful to Damage Trees. It shall be unlawful for any person to cause damage to any street tree by any act or omission, whenever such act or omission is prohibited by or not authorized by this chapter. Wilful injury to or disfigurement of any street tree shall be a violation of this chapter. Any person or

persons who accidentally or willfully damage, disfigure or destroy any street tree shall be charged for all replacement or repair costs in an amount to be determined by the director upon the advice of the tree advisory board. The determination shall take into consideration such factors as age of tree, size, species, monetary value, etc., and shall also include all legal, administrative and other costs incurred by the city as a result of such violation.

2. Unlawful Damage. Unlawful damage includes injuring, defacing, breaking, abusing, killing or destroying by any means any street tree including, but not limited to, the following:

- a. Constructing a sidewalk or driveway or otherwise filling up the ground in the vicinity of any street tree so as to shut off air and water from its roots.
- b. Piling building materials, equipment, or other substance around any street tree;
- c. Pouring or applying any gaseous, liquid or solid deleterious matter or substance on any street tree or on the ground near any street tree;
- d. Posting any sign, poster, notice, leaflet, handbill or other printed material or object on, or fastening any guy wire, cable, rope, nails, screws or other device to, any street tree, tree stake or guard;
- e. Causing or encouraging any fire or burning near or around any street tree;
- f. Using any mechanical weeding device against a street tree;
- g. Constructing retaining walls, fences, or other similar improvements which prohibit the planting or maintaining of street trees or otherwise affect their growth;
- h. Operating construction equipment in such a manner to cause it to make contact with a street tree;
- i. Disrupting the anchorage of, or changing the grade around, any street tree.

E. Nesting Season. No street tree shall be removed, trimmed, pruned or sprayed within the city during the period of March 15th to July 15th of any year, when wild birds are nesting and raising their young, unless:

1. In the opinion of the director, removal of a tree is essential to the protection of human life and/or property; or
2. It can be certified by the director that no wild birds are nesting in the subject tree.
(Ord. 508 § 10, 1994; Ord. 433 § 2 (part), 1988)

12.28.130 Duty of utility to protect trees--Excavations.

A. Duty to Prevent Damage. It shall be the duty of any person owning or operating any utilities within any public street (including but not limited to water, sewer, gas, telephone and cable television services) to maintain such utilities in a manner to prevent damage to street trees.

B. Roots. Any person excavating, trenching or otherwise engaged in subsurface works within any public street shall not cut any root exceeding three inches in diameter unless specifically authorized to do so by the director. In addition to the penalties otherwise prescribed by this chapter for violation of the terms thereof, any person who, without authorization, cuts a street tree root in excess of three inches in diameter shall be liable for the cost of removal and replacement of said tree or the costs of remedial pruning should such be necessary in the sole and exclusive determination of the director.

C. Emergency. In an emergency when a street tree is interfering with and interrupting service, a public utility company providing gas, water, sewer, electricity, telephone, telegraph or cable television service within the city may, without first obtaining a permit, trim or remove branches of trees to the extent necessary to restore service.

D. Prevention of Utilities Not Intended. This section shall not prevent any person, firm or public utility from installing and maintaining any overhead wires or underground pipes or conduits lawfully on, over or under public streets, subject to other provisions of this code as may apply. The director, when maintenance or removal of street trees, shall consider the effect upon existing overhead wires or underground pipes or conduits in order to avoid any unnecessary disturbance to or relocation of such facilities, in accordance with the street tree management plan.

(Ord. 433 § 2 (part), 1988)

12.28.140 Duty to maintain and trim trees.

A. Property Owners Responsible. With the exception of pruning and trimming, property owners are responsible for the proper maintenance of parkways abutting their property. Such maintenance shall include irrigation, keeping the parkways free from weeds or other obstructions inimical to public safety and/or contrary to the street tree management plan, and otherwise maintaining such areas in a neat, clean, orderly manner. The placing of tarpaper, plastic or other material over the ground, or the use of materials or chemicals intended to permanently sterilize the soil in these areas, is prohibited.

B. Duty to Trim Trees. Notwithstanding other provisions of this chapter, it is made the duty of every person owning or occupying any land or lots of land within the city to keep all private trees which extend over any public street trimmed up to a height of not less than fourteen feet, except that a height of not less than eight feet shall be permitted over a sidewalk area, and also to keep the parkway free of debris.

C. Director May Remove Limbs. The director may remove overhead limbs from any tree or shrub, regardless of its location, if in his opinion such removals are necessary in the interest of public safety and the limb constitutes a nuisance.

D. Request that Maintenance Work be Privately Undertaken. Upon approval by the director, any person requesting such street tree service as trimming, pruning, root pruning or spraying, but desiring to have it undertaken sooner than the city is able to schedule work, may obtain a permit to undertake it privately or by agreement with a qualified, licensed contract or proficient in arboriculture if, in the determination of the director:

1. There is sufficient assurance that such work will be properly undertaken and, except in cases of removal, will not irrevocably damage the street tree.

2. There is sufficient assurance public safety will not be impaired. To this end the director may require a public liability and property damage insurance policy, permit and processing fee.

(Ord. 508 § 11, 1994; Ord. 433 § 2 (part), 1988)

12.28.170 Permits--General.

A. Director Shall Supervise. The director shall supervise all work done under a permit issued in accordance with the provisions of this chapter.

B. Permit Revocation. Any work undertaken by the permittee or his agent may be stopped immediately and the permittee's permit may be revoked by presentation of a written order of revocation by the director when, in his opinion, the program of work or conditions outlined in the permit are not being complied with.

C. One Permit. If a person obtains a building permit or other permit from the city and street work is required or authorized under that permit, the person need not obtain a separate street tree permit. Under the general supervision of the director, the appropriate department shall supervise street work done under a permit issued by that department.

D. Posting and Hearing. The posting and public hearing requirements provided for in this chapter shall apply to all applications for tree removal permits.

E. Bond. If, in the judgment of the director, the nature, extent and /or benefit to the public health and safety of any proposed work is considered significant, as a condition of the issuance of any permit the posting of a bond pursuant to Chapter 2.17 of this code may be required guaranteeing the completion of such work to the satisfaction of the director.

(Ord. 433 § 2 (part), 1988)

12.28.180 Permits--City trees.

A. Permit Required for Planting, Removing, or Performing Certain Maintenance on Any Tree in a Public Street. Whenever a property owner desires to plant, prune, trim, root prune, remove or do anything else to any tree planted in a parkway or public area, an application shall be filed with the director for a permit to take such actions. If the director finds that such action is to the advantage of a tree, or removal is imperative due to safety considerations, and upon the approval of the tree advisory board, a permit may be issued, but only for such work that will not create, continue or aggravate any hazardous condition or public nuisance, will not prevent or interfere with the growth, location or planting of approved street trees, and is consistent with the street tree management plan.

The director may waive the permit requirement for minor trimming or pruning activities, such as the removal of palm fronds. If a permit is denied, within five days of board action a written denial shall be given the applicant setting forth the reasons therefor and a copy of such denial shall be delivered to the tree advisory board. Such decision shall be made within forty days after the application is filed, and may be appealed to the city council, the decision of which would be final.

B. Costs Borne by Permittee. All costs incurred by a property owner for maintaining or removing a street tree as permitted by the director shall be borne by the permittee. Whenever a tree is removed under permit, the director, upon the advice of the tree advisory board, may require a replacement tree of a designated kind and size to be planted, and all costs related to the replacement tree shall be borne by the permittee. For reasons of expediency in certain circumstances, the director may require an equivalent in-lieu fee for this purpose. Whenever any tree is planted in conflict with the provisions of this chapter, it shall be lawful for the director to remove or cause removal of the same, the cost of which may be charged to the property owner responsible for the planting thereof in accordance with Section 12.28.120F.

C. Criteria. The determination for city tree removal permits shall be based on the criteria outlined in Section 12.28.210 of this chapter.

(Ord. 433 § 2 (part), 1988)

12.28.200 Permits--Utilities.

Any person doing business as a public utility subject to the jurisdiction of the public utilities commission of the state and any constituted public agency authorized to provide and providing utility service, shall be given a permit by the director, valid for one year from the date of issuance, permitting such person to trim, prune, brace or perform other acts, except removal, with respect to trees growing on parkways or on public areas of the city as may be necessary to comply with the safety regulations of said commission and as may be necessary to maintain the safe operation of its business. Before any tree is removed, under the above provisions, a permit must be obtained from the city in accordance with, and subject to, the street tree management plan.

(Ord. 433 § 2 (part), 1988)

12.28.210 Removal of trees.

A. Criteria for Removal. Subject to the provisions of this chapter, the director shall be responsible for inspection, maintenance, removal and replacement of street trees, and may cause street trees to be removed by the city if they are deemed by the director to be unhealthy, hazardous, undesirable or causing excessive damage to existing public improvements or other street trees. Acceptable reasons for any removal of a tree shall include a tree that is:

1. Dead;
2. Dying, decayed or hazardous, or so weakened by age, disease, storm, fire, excavation, removal of adjacent trees or any injury so as to cause imminent danger to persons or property;
3. Diseased beyond reclamation, or the condition of which is a source of present danger to healthy trees in the immediate vicinity, providing that a certificate attesting to such fact has been filed with the

city clerk by a state-licensed pest control advisor, or state-licensed contractor with a proficiency in arboriculture, authorized to do business within the city;

4. Obstructing curb, gutter or sidewalk repair, or in the way of a new curb, gutter or sidewalk for which an exception to standard design is determined by the director to be inconsistent with established policies and standards for street tree planting and maintenance;

5. In dangerous proximity to existing structures, or interfering with existing utilities;

6. Constituting a hazard to property or persons using the adjoining streets;

7. Because of its root system, causing excessive damage to curbs, gutters, sidewalks or driveways;

8. Obstructing proposed improvements so as to restrict economic enjoyment of the adjacent property, including the construction or safe use of a driveway or parking space for which a permit has been issued, unless such tree has been designated as an historic or specimen tree;

9. Crowded by other trees, and good horticultural practices dictate removal of some of them;

10. Otherwise healthy, but the removal of which is considered desirable because it is a proven nuisance species and/or in order to achieve a properly staged tree replacement schedule which enables several generations of trees to exist simultaneously.

B. Removal of Street Trees.

1. Except in instances of immediate public danger, removal of street trees in public rights-of-way and easements will take place in the fall of each year.

2. Whenever any street tree is determined by the director to require removal, legal public notice shall be published in the newspaper thirty days prior to the posting of the tree. It shall thereafter be posted with a conspicuous notice indicating the intent to remove the tree and providing ten additional days within which written protests may be filed with the city clerk. A public hearing shall be held thereafter before the tree advisory board, which shall make a decision on the tree's removal. The board's decision may be appealed to the city council, the decision of which would be final.

3. Written requests from adjacent property owners for removal of street trees may be submitted throughout the year, but trees so requested for removal will all be legally noticed and posted as provided by this section at approximately the same time in accordance with the regular annual removal schedule. The director shall evaluate each requested removal and recommend to the tree advisory board removal or whatever other remedial action such as pruning, root pruning, concrete or asphalt repairs should be considered. It shall be determined whether or not such tree is required to be retained in order to preserve the intent and purpose of the street tree management plan, and take into consideration its condition, age, desirability of species (whether or not a conforming tree), location, and the extent of any inconvenience or hardship which the retention of the tree would cause the property owner. If the tree poses no threat to public safety, public or private property (including aboveground or underground utilities) or if removal is not required to allow the construction of public or private improvements, or if the potential or continued damage to curbs, gutters, sidewalks or driveways may be mitigated by pruning, root pruning, irrigation, feeding or other maintenance procedures, the city shall not remove nor permit removal of the tree. Following the noticing and posting period, a public hearing shall be held before the tree advisory board, which shall make a decision on the tree's removal. Its decision may be appealed to the city council, the decision of which shall be final.

4. In the event that the recommended removal of a nonconforming street tree is protested by the adjacent property owner, but the director has determined that preservation of the tree no longer justifies continued public expense for repair of the damage it is causing, the city may enter into an agreement transferring the responsibility for future repairs and maintenance and the costs thereof to the adjacent property owner. In the event of the failure by the adjacent property owner to carry out any of his obligations under such an agreement, it shall become void and cause for removal by the city of the nonconforming tree.

5. a. Considerations. The following considerations shall be taken into account in acting upon a tree

removal request made pursuant to this chapter.

- i. Whether such tree is designated as an historic, specimen or otherwise protected tree;
- ii. The size of the building site in relation to the size of the proposed or existing improvements;
- iii. The number and size of other trees which would remain upon the building site after the requested removal;
- iv. The number and location of adjacent trees on city property and the possibility of maintaining desirable tree density in the area through additional planting on city property;
- v. Any beneficial effects upon adjacent trees to be expected from the proposed removal;
- vi. Whether the tree sought to be removed was planted by or with the permission of the applicant at the time such tree was planted.

b. Findings. As a prerequisite to granting a tree removal request, the board may impose conditions and shall make one or more of the following findings:

- i. That the principles of good urban forest management will best be served by the proposed removal;
- ii. That a reasonable and practical development of the property on which the tree is located requires removal of the tree or trees the removal of which is sought;
- iii. That the character of the immediate neighborhood with respect to forestation will not be materially affected by the proposed removal;
- iv. That topography of the building site renders removal desirable;
- v. That regard for the safety of persons or property dictates the removal.

C. Removal of Private Trees or Other Plants.

1. The director may inspect any tree, or other plant on private property in the city to determine whether the same or any portion thereof is in such a condition as to constitute a public nuisance and, in addition, for the purpose of abating or correcting any condition or thing declared to be a public nuisance under this chapter. The director shall have the authority to require property owners to remove or prune any private tree or other plant if it is determined by the director to be seriously interfering with the growth and health of any street tree.

2. The following are declared public nuisances:

- a. Any private tree or other plant or part thereof growing on private property but overhanging the street or interfering with the use of any street which, in the opinion of the director, endangers the life, health, safety or property of the public, or which unduly interferes with or in any way endangers the usefulness of a public utility;
- b. The continued existence of any private tree or other plant that is dead, diseased or infested or infected with insects, any other disease organisms or growths which constitute a threat or may be injurious to trees or other plants in the surrounding area;
- c. Any private tree or other plant which interferes with required minimum sight visibility between a public street and its intersection with another public street as provided for in the street tree management plan;
- d. Any branches or foliage of private trees which interfere with visibility on, free use of, or access to, any portion of any street improved for vehicular and pedestrian travel, or which interfere with the visibility of any traffic-control device or sign;
- e. Any private tree or plant which interferes with, impairs or destroys any street improvement, sidewalk, curb, gutter, sewer, street trees or other public improvements;
- f. Vines or climbing plants growing on private property which encroach on or over any street tree or any public hydrant, pole or electrolier;
- g. Hedges or dense thorny shrubs and plants growing on private property which encroach onto any public street or public area or part thereof.

(Ord. 508 §§ 15, 16, 1994; Ord. 433 § 2 (part), 1988)

12.28.220 Appeals to the city council.

Except in the case of an historic, specimen or otherwise protected tree, failure of the tree advisory board to act upon an application within ninety days after it is filed shall be deemed approval thereof. Unless an appeal is filed by the applicant with the city clerk within ten days of the mailing of notice of board action, its action shall be final. An appeal of the action of the board shall be in writing and clearly state the reasons for which a hearing before the city council is requested. The city council may continue the hearing but shall vote within forty-five days of the filing of the appeal or the removal shall be deemed approved. The city council may impose conditions and shall, as a prerequisite to approval, make one or more of the findings set forth in Section 12.28.210C3d. In the absence of a majority vote for approval of a tree removal, the application is denied.

(Ord. 433 § 2 (part), 1988)

12.28.230 Removal of stumps.

When trees are removed, all stumps, including underground portions to a depth specified by the director in accordance with the street tree management plan, shall be removed below the surface of the ground so that the top of the stump shall not project above the surface of the ground.

(Ord. 433 § 2 (part), 1988)

12.28.240 Tree removal businesses--Insurance and bond requirements.

Any person, firm or corporation engaged in the business of removing city trees shall carry public liability and property damage insurance in an amount to be determined by the city council and policies or certificates thereof shall be filed with the city clerk. Where deemed advisable, the director may require the posting of a performance bond pursuant to Chapter 2.17 of this code to guarantee the completion of any job in accordance with adopted city standards, rules and regulations. Pursuant to state law, all tree contracting services must provide evidence of a state contractor's license (either C-27 or C-61 subsection D-49).

(Ord. 508 § 17, 1994; Ord. 433 § 2 (part), 1988)

Section 13

ANSI Pruning Standards

American National Standard

*for Tree Care Operations –
Tree, Shrub and Other Woody
Plant Maintenance –
Standard Practices*

 **ANSI** American National Standards Institute

11 West 42nd Street
New York, New York
10036

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<i>Organization Represented</i>	<i>Name of Representative</i>
The Davey Tree Expert Company	Edward Johnson Karl Warnke (Alt.)
The F.A. Bartlett Tree Expert Company.....	Greg Daniels
International Society of Arboriculture	John C. Britton Bill Kruidenier (Alt.)
Municipal Arborists & Urban Foresters Society.....	Cathy Riley-Hall
National Arborist Association	Paul McFarland Robert Felix (Alt.)
National Park Service	Robert DeFeo Dick Hammerschlag (Alt.)
Professional Grounds Management Society	John Gillan
Society of Municipal Arborists	Dale Gaasland
U.S. Forest Service	Rita Schoeneman Marcia Sneed (Alt.)
Utility Arborist Association	Jeff Smith Mike Watson (Alt.)

ANSI®
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American National Standard
for Tree Care Operations –
**Tree, Shrub and Other Woody Plant Maintenance –
Standard Practices**

Secretariat
National Arborist Association, Inc.

Approved June 1, 1995
American National Standards Institute, Inc.

American National Standard
for Tree Care Operations –

Tree, Shrub and Other Woody Plant Maintenance –
Standard Practices

1 Scope, purpose, and application

1.1 Scope

This document presents performance standards for the care and maintenance of trees, shrubs, and other woody plants.

1.2 Purpose

It is intended as a guide for federal, state, municipal, and private authorities including property owners, property managers, and utilities in the drafting of their maintenance specifications and should be adopted by them in whole or in part.

1.3 Application

This standard is intended to apply to any person or entity engaged in the business, trade, or performance of repairing, maintaining, or preserving trees.

1.4 Implementation

Specifications for tree work should be written and administered by an arborist.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this American National Standard. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this American National Standard are encouraged to investigate the possibility of applying the most recent edition of the standards indicated below.

ANSI Z60.1-1990, *Nursery stock*

ANSI Z133.1-1994, *Tree care operations – Pruning, trimming, repairing, maintaining, and removing trees, and cutting brush – Safety requirements*

29 CFR 1910, *General industry*¹⁾

29 CFR 1910.268, *Telecommunications*¹⁾

29 CFR 1910.269, *Electric power generation, transmission, and distribution*¹⁾

29 CFR 1910.331 – 335, *Electrical safety-related work practices*¹⁾

3 Definitions

3.1 anvil-type pruning tool: Pruning tool that has a straight sharp blade that cuts against a flat metal cutting surface. (See *hook and blade-type pruning tool*.)

3.2 arborist: A professional who possesses the technical competence through experience and related training to provide for or supervise the management of trees and other woody plants in the residential, commercial, and public landscape.

3.3 boundary reaction zone: A separating boundary between wood present at the time of wounding and wood that continues to form after wounding.

3.4 branch: A secondary shoot or stem arising from one of the main axes (i.e., trunk or leader) of a tree or woody plant.

¹⁾ Available from U.S. Department of Labor, 200 Constitution Avenue, NW, Washington, DC 20210.

3.33 petiole: The stalk of a leaf.

3.34 phloem: Inner bark tissue through which primarily carbohydrates and other organic compounds move from regions of high concentration to low.

3.35 pollarding: Pollarding is a training system used on some large-growing deciduous trees that are severely headed annually or every few years to hold them to modest size or to give them and the landscape a formal appearance. Pollarding is not synonymous with topping, lopping, or stubbing. Pollarding is severely heading some and removing the other vigorous water sprouts back to a definite head or knob of latent buds at the branch ends.

3.36 precut or precutting: The two-step process to remove a branch before the finished cut is made so as to prevent splitting or bark tearing into the parent stem. The branch is first undercut, then cut from the top before the final cut.

3.37 pruning: Removal of plant parts.

3.38 qualified line clearance tree trimmer: A tree worker who, through related training and on-the-job experience is familiar with the techniques in line clearance and has demonstrated his/her ability in the performance of the special techniques involved. This qualified person may or may not be currently employed by a line clearance contractor.

3.39 qualified line clearance tree trimmer trainee: Any worker undergoing line-clearance tree trimming training, who, in the course of such training, is familiar with the techniques in line clearance and has demonstrated his/her ability in the performance of the special techniques involved. Such trainees shall be under the direct supervision of qualified personnel.

3.40 qualified person or personnel: Workers who, through related training, or on-the-job experience, or both, are familiar with the techniques and hazards of arboriculture work including training, trimming, maintaining, repairing, or removing trees, and the equipment used in such operations.

3.41 qualified tree worker, person, or personnel: A person(s) who, through related training and on-the-job experience, is familiar with the hazards of pruning, trimming, repairing, maintaining, or removing trees and with

the equipment used in such operations, and has demonstrated ability in the performance of the special techniques involved.

3.42 qualified tree worker trainee: Any worker undergoing on-the-job training who, in the course of such training, is familiar with the hazards of pruning, trimming, repairing, maintaining, or removing trees, with the equipment used in such operations, and has demonstrated ability in the performance of the special techniques involved. Such trainees shall be under the direct supervision of qualified personnel.

3.43 remote/rural: Areas associated with very little human activity, land improvement, or development.

3.44 sapwood: The active xylem (wood) that stores water and carbohydrates, and transports water and nutrients; a wood layer of variable thickness found immediately inside the cambium, comprised of water-conducting vessels or tracheids and living plant cells.

3.45 shall: As used in this standard, denotes a mandatory requirement.

3.46 should: As used in this standard, denotes an advisory recommendation.

3.47 stub: An undesirable short length of a branch remaining after a break or incorrect pruning cut is made.

3.48 stubbing: See *heading*.

3.49 target: A person, structure, or object that could sustain damage from the failure of a tree or portion of a tree.

3.50 terminal role: Branch that assumes the dominant vertical position on the top of a tree.

3.51 thinning: The removal of a lateral branch at its point of origin or the shortening of a branch or stem by cutting to a lateral large enough to assume the terminal role.

3.52 throwline: A small, lightweight line with a weighted end used to position a climber's rope in a tree.

3.53 topping: See *heading*.

3.54 tracing: Shaping a wound by removing loose bark from in and around a wound.

3.55 urban/residential: Locations normally associated with human activity such as populated areas including public and private property.

specific purposes such as, but not limited to, training young trees; pollarding, shaping terminal flowering trees, storm damage repair, etc.

5.2.5.4 A heading cut should consist of cutting a currently growing or one-year-old shoot back to a bud, or cutting an older branch or stem back to a stub or lateral branch not sufficiently large enough to assume the terminal role.

5.2.5.5 When removing a lateral branch at its point of origin on the trunk or parent limb, the final cut shall be made in branch tissue close to the trunk or parent limb, without cutting into the branch bark ridge or collar, or leaving a stub. (See figure 1.)

5.2.5.6 When removing a leader or length of a branch, the angle of the cut should bisect the angle between the branch bark ridge and an imaginary line perpendicular to the leader being removed. (See figure 2.)

5.2.5.7 When removing a dead branch, the final cut shall be made just outside the collar of live tissue. If the collar has grown out along the branch stub, only the dead stub should be removed. The live collar shall remain intact and uninjured.

5.2.5.8 To prevent damage to the parent limb when removing a branch with a narrow branch attachment, the final cut should be made from the bottom of the branch up. (See figure 3.)

5.2.5.9 Cut limbs shall be removed from the crown upon completion of the pruning, or at times when the tree would be left unattended or at the end of the work day.

5.2.6 Wound treatment

5.2.6.1 Wound dressings and tree paints should not be used to cover pruning wounds, except when specified for disease, borer, mistletoe, sprout control, or cosmetic reasons. If wound dressings or paints are used for cosmetic or other reasons, then materials nontoxic to the cambium layer shall be used, and only a light coating shall be applied to the wound surface.

5.2.6.2 When repairing bark wounds, only damaged or loose bark should be removed, disturbing a minimal amount of live tissue.

5.2.6.3 Cavities shall not be filled or treated if the boundary reaction zones would be disturbed.

5.3 Mature tree pruning

5.3.1 General

The following specifications should be used with pruning objectives.

5.3.1.1 Pruning cuts shall be made in accordance with 5.2.5.

5.3.1.2 Tree branches shall be removed in such a manner so as not to cause damage to other parts of the tree or to other plants or property. Branches too large to support with one hand shall be precut to avoid splitting or tearing of the bark. (See figure 1.) Where necessary, ropes or other equipment should be used to lower large branches or portions of branches to the ground.

5.3.1.3 When a branch is cut back to a lateral, not more than one-fourth of its leaf surface should be removed. The lateral remaining should be large enough to assume the terminal role.

5.3.1.4 Not more than one-fourth of the foliage on a mature tree should be removed within a growing season.

5.3.1.5 Upon completion of pruning a mature tree, one-half of the foliage should remain evenly distributed in the lower two-thirds of the crown and individual limbs.

5.3.2 Size specifications

A minimum or maximum diameter of branches to be removed should be specified to establish the extent of pruning, such as: the removal of branches 3 in (7.5 cm) in diameter and greater, or; the removal of branches 2 in (5 cm) in diameter and greater, etc.

5.3.3 Pruning objectives

Pruning objectives should be established prior to beginning any pruning operation.

5.3.3.1 Hazard reduction pruning

Hazard reduction pruning is recommended when the primary objective is to reduce the danger to a specific target caused by visibly defined hazards in a tree. Hazard reduction pruning should consist of one or more of the maintenance pruning types.

5.3.3.2 Maintenance pruning

Maintenance pruning is recommended when the primary objective is to maintain or improve tree

health and structure, and includes hazard reduction pruning. Maintenance pruning should consist of one or more of the following pruning types:

a) *Crown cleaning*: Crown cleaning shall consist of the selective removal of one or more of the following items: dead, dying, diseased, weak branches and watersprouts from a tree's crown;

b) *Crown thinning*: Crown thinning shall consist of the selective removal of branches to increase light penetration, air movement, and reduce weight;

c) *Crown raising*: Crown raising shall consist of the removal of the lower branches of a tree in order to provide clearance;

d) *Crown reduction (crown shaping)*: Crown reduction reduces the height and/or spread of a tree. Consideration should be given to the ability of a species to sustain this type of pruning;

e) *Vista pruning*: Vista pruning is selective thinning of framework limbs or specific areas of the crown to allow a specific view of an object from a predetermined point;

f) *Crown restoration*: Crown restoration pruning should improve the structure, form, and appearance of trees that have been severely headed, vandalized, or storm damaged.

5.4 Young tree pruning

5.4.1 At planting

When a young tree is planted, dead, broken, and split branches should be removed. A central trunk or leader or well-spaced multiple trunks or leaders (as most appropriate for the species and specimen) should be developed by removing competing leaders and removing, heading, or thinning laterals on vigorously growing branches that compete with the selected leader(s). Branches should be retained on the lower trunk to increase taper.

5.4.2 During the first three years after planting

A strong scaffold branch structure should be developed by selecting the primary scaffold branches. To improve the scaffold structure, branches that are crossing, have included bark, or interfere with the scaffold branches should be removed. Scaffold branches should

be properly spaced. For deciduous shade trees that will reach or exceed 40 ft (12 m) in height at maturity, the recommended spacing between primary scaffold branches is approximately 18 in (46 cm). For smaller species, 6 to 8 in (15 to 20 cm) would be adequate.

5.4.3 Between four and six years after planting

The development of a good, structurally sound scaffold branch system should be continued by selective thinning of or on branches and removing dead, interfering, split, and broken branches. Large-growing branches with narrow angles of attachment shall be removed from the trunk or canopy. Lower branches shall be pruned (crown raising) so as not to interfere with human needs where appropriate.

5.5 Specialty training systems

5.5.1 Espalier

Espalier pruning is a combination of cutting and training branches that are oriented in one plane; formally or informally arranged; and usually supported on a wall, fence, or trellis. The patterns can be simple or complex but the cutting and training is precise. Ties should be replaced every few years to prevent girdling the branches at the attachment site.

5.5.2 Pollarding

Pollarding is a training system used on some large-growing deciduous trees that are severely headed annually or every few years to hold them to modest size or to give them and the landscape a formal appearance. Pollarding is not synonymous with topping, lopping, or stubbing. Pollarding is severely heading some and removing the other vigorous water sprouts back to a definite head or knob of latent buds at the branch ends.

5.6 Palm pruning

5.6.1 Palm pruning should be performed when fronds, fruit, or loose petioles may create a dangerous condition.

5.6.1.1 Live healthy fronds, initiating at an angle of 45° or greater from the horizontal plane, should not be removed.

5.6.1.2 Fronds removed should be severed close to the petiole base without damaging living trunk tissue.