

PLANT SETBACK AND SPACING GUIDE

INTRODUCTION

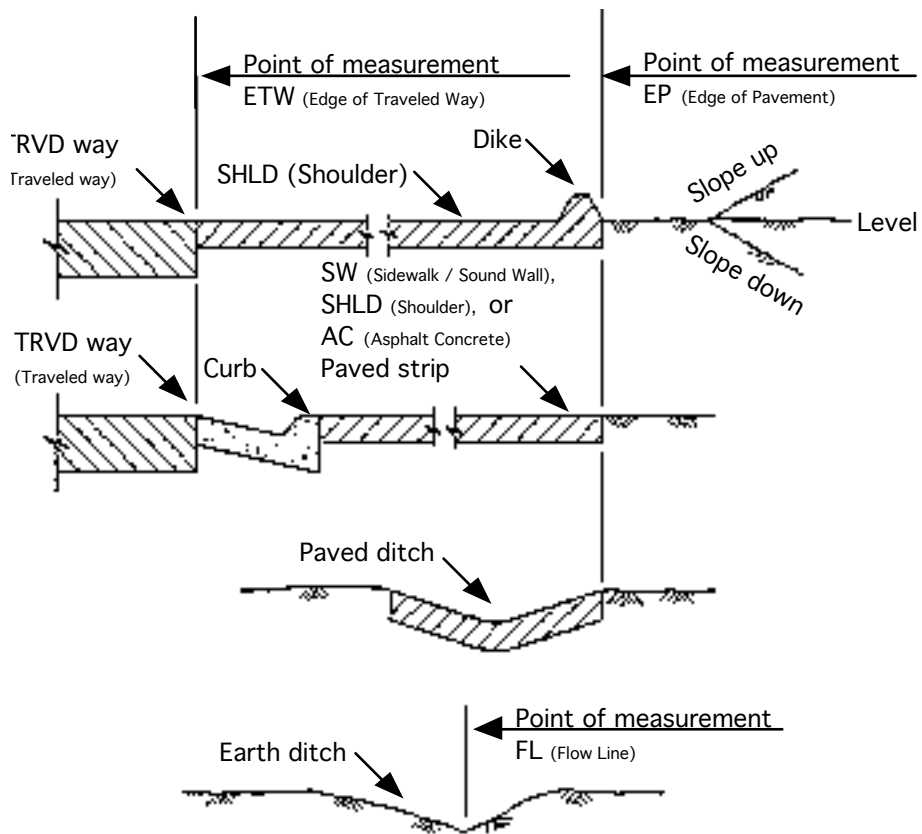
This plant list has been developed as an aid in determining the appropriate setback and spacing for plant material used in highway planting projects.

The minimum setbacks should not be reduced unless special circumstances or unusual site conditions warrant adjustment. Tree setbacks should not be reduced. All safety requirements must be met including, but not limited to, those set forth in the Highway Design Manual and FHWA guidelines.

The on-center spacing of plants is a general recommendation representing distance apart which plants should be spaced when planted. The spacing is based upon the mature growth of the plant material. The distance is set to prevent crowding of plant material the need for pruning when the plants are mature.

When filling out the Plant List and Specifications Sheet use capital letters for both botanical and common names. Underline the first three letters of the botanical name (genus and species) to indicate the abbreviations to be used on the planting plans as plant callouts. If a plant has two or more varieties to be used on a project, also underline the first letter(s) of the variety name.

This plant list is not intended to represent all acceptable plant materials used on highway planting projects nor does it indicate suitability of plant materials for specific situations. It is only a selection taken from previous projects. When specifying plant material that is not included in the plant list use judgment to select spacing and setback consistent with other species of similar mature growth characteristics



**SECTION
POINTS OF MEASUREMENT**

ALL DISTANCES SHOWN ARE IN FEET

BOTANICAL NAME COMMON NAME	MINIMUM DISTANCE FROM						ON CENTER	REMARKS
	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Abelia</u> 'Edward Goucher' Goucher Abelia	-	6	6	6	6	8	6	SHRUB
<u>Abelia</u> X <u>grandiflora</u> Glossy Abelia	-	8	6	6	6	8	8	SHRUB
<u>Acacia</u> <u>melanoxylon</u> Blackwood Acacia	35	-	15	15	10	12	-	TREE
<u>Acacia</u> <u>pendula</u> Weeping Acacia	20	-	15	15	15	17	-	TREE
<u>Acacia</u> <u>redolens</u> Prostrate Acacia	-	20	20	20	20	22	20	SHRUB
<u>Acer</u> <u>macrophyllum</u> Big-Leaf Maple	30	-	20	20	20	22	-	TREE
<u>Aesculus</u> <u>californica</u> California Buckeye	35	-	20	20	10	12	-	TREE
<u>Agonis</u> <u>flexuosa</u> Peppermint Tree	20	-	15	15	15	17	-	TREE
<u>Albizia</u> <u>julibrissin</u> Mimosa	35	-	20	20	10	12	-	TREE
<u>Alnus</u> <u>cordata</u> Italian Alder	30	-	20	20	10	12	-	TREE
<u>Alnus</u> <u>oregona</u> Red Alder	30	-	20	20	10	12	-	TREE
<u>Alnus</u> <u>rhombifolia</u> White Alder	30	-	20	20	10	12	-	TREE
<u>Aloe</u> <u>arborescens</u> Tree Aloe	-	8	8	8	8	10	8	SHRUB
<u>Arbutus</u> <u>menziesii</u> Pacific Madrone	30	-	20	20	20	22	-	TREE
<u>Arbutus</u> <u>unedo</u> Strawberry Tree	-	15	15	15	12	12	10	SHRUB
<u>Arbutus</u> <u>unedo</u> 'Compacta' Compact Strawberry Tree	-	8	8	8	8	10	6	SHRUB
<u>Archontophoenix</u> <u>cunninghamiana</u> King Palm	30	-	6	6	6	6	-	TREE
<u>Arctostaphylos</u> <u>bakeri</u> 'Louis Edmunds' No common name	-	6	6	6	6	8	6	SHRUB
<u>Arctostaphylos</u> <u>densiflora</u> 'Howard McMinn' No common name	-	6	6	6	6	8	6	SHRUB
<u>Arctostaphylos</u> <u>edmundsii</u> Little Sur Manzanita	-	10	10	10	10	12	10	SHRUB

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BOTANICAL NAME COMMON NAME	MINIMUM DISTANCE FROM						ON CENTER	REMARKS
	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Arctostaphylos</u> ' <u>Emerald Carpet</u> ' No common name	-	8	8	8	8	10	8	GROUND COVER
<u>Arctostaphylos</u> <u>hookeri</u> Hooker Manzanita	-	6	6	6	6	8	6	SHRUB
<u>Arctostaphylos</u> <u>hookeri</u> ' <u>Wayside</u> ' No common name	-	10	6	6	10	12	10	SHRUB
<u>Arctostaphylos</u> ' <u>Pacific Mist</u> ' No common name	-	8	8	8	8	10	6	SHRUB
<u>Arctostaphylos</u> <u>pajaroensis</u> Pajaro Manzanita	-	6	6	6	6	8	-	SHRUB
<u>Arctostaphylos</u> <u>uva-ursi</u> Bearberry	-	8	8	8	8	10	8	GROUND COVER
<u>Arctostaphylos</u> <u>uva-ursi</u> ' <u>Radiant</u> ' No common name	-	8	8	8	8	10	8	GROUND COVER
<u>Arecastrum</u> <u>romanzoffianum</u> Queen Palm	30	-	6	6	6	6	-	TREE
<u>Bauhinia</u> <u>blakeana</u> Hong Kong Orchid Tree	30	-	15	15	15	17	-	SMALL TREE
<u>Berberis</u> <u>thunbergii</u> ' <u>Atropurpurea</u> ' Red Barberry	-	6	6	6	10	10	6	SHRUB
<u>Berberis</u> <u>thunbergii</u> ' <u>Crimson Pygmy</u> ' Crimson Pygmy Barberry	-	6	6	6	6	8	3	SHRUB
<u>Brachychiton</u> <u>acerifolius</u> Flame Tree	30	-	20	20	20	22	-	TREE
<u>Brachychiton</u> <u>populneus</u> Bottle Tree	30	-	15	15	15	17	-	TREE
<u>Brahea</u> <u>edulis</u> Guadalupe Palm	20	-	10	10	15	17	-	PALM
<u>Buddleia</u> <u>davidii</u> Butterflybush	-	12	10	10	10	12	10	SHRUB
<u>Callistemon</u> <u>citrinus</u> Lemon Bottlebrush	-	15	15	15	15	17	12	SHRUB
<u>Callistemon</u> <u>viminalis</u> Weeping Bottlebrush	20	-	15	15	15	17	-	TREE
<u>Calocedrus</u> <u>decurrens</u> Incense Cedar	30	-	20	20	20	22	-	TREE
<u>Campsis</u> <u>radicans</u> Common Trumpet Creeper	-	-	-	-	10	12	10	VINE
<u>Carissa</u> <u>macrocarpa</u> Natal Plum	-	8	8	8	8	10	5	SHRUB

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	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Carpenteria californica</u> Bush Anemone	-	8	8	8	8	10	5	SHRUB
<u>Carpobrotus edulis</u> Hottentot Fig	-	6	6	6	6	8	1.5	GROUND COVER
<u>Cassia artemisioides</u> Feathery cassia	-	6	6	6	6	8	6	SHRUB
<u>Casuarina stricta</u> Mountain She Oak	30	6	15	10	10	12	-	TREE
<u>Catalpa bignonioides</u> Indian Bean	30	20	20	20	12	12	-	TREE
<u>Ceanothus 'Concha'</u> No common name	-	10	8	8	8	10	8	SHRUB
<u>Ceanothus cyaneus</u> San Diego Ceanothus	-	10	10	10	10	12	10	SHRUB
<u>Ceanothus griseus horizontalis</u> 'Yankee Point' No common name	-	15	10	6	10	12	6	SHRUB
<u>Ceanothus 'Joyce Coulter'</u> Wild lilac	-	10	8	8	8	10	8	SHRUB
<u>Ceanothus 'Ray Hartman'</u> No common name	-	15	15	10	10	12	10	SHRUB
<u>Ceanothus thyrsiflorus</u> Blueblossom	-	15	15	15	15	17	15	SHRUB
<u>Ceanothus verrucosus</u> Wartstem Ceanothus	-	8	8	8	6	8	8	SHRUB
<u>Cedrus deodara</u> Deodar Cedar	40	-	30	30	30	32	-	TREE
<u>Celtis occidentalis</u> Common Hackberry	30	-	20	20	15	17	-	TREE
<u>Celtis sinensis</u> \ Chinese Hackberry	30	10	15	10	10	12	-	TREE
<u>Cercidium floridum</u> Blue Palo Verde	-	15	15	15	15	15		SHRUB
<u>Cercidium microphyllum</u> Littleleaf Palo Verde	-	15	15	15	15	15	-	SHRUB
<u>Cercis canadensis</u> Eastern Redbud	30	-	15	15	15	17	-	TREE
<u>Cercis occidentalis</u> Western Redbud	-	15	15	15	15	15	-	SHRUB
<u>Cercocarpus betuloides</u> Mountain Mahogany	-	12	10	10	10	12	10	SHRUB

BOTANICAL NAME COMMON NAME	MINIMUM DISTANCE FROM						ON CENTER	REMARKS
	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Chaenomeles speciosa</u> Flowering Quince	-	6	6	6	6	8	-	SHRUB
<u>Chorisia speciosa</u> Floss-Silk Tree	30	-	15	15	15	15	-	TREE
<u>Cinnamomum camphora</u> Camphor Tree	40	-	30	30	20	22	-	TREE
<u>Cistus</u> (All Varieties) Rock Rose	-	6	6	6	6	6	6	SHRUB
<u>Clytostoma callistegioides</u> Violet Trumpet Vine	-	-	-	-	8	10	10	VINE
<u>Coprosma X kirkii</u> No common name	-	6	6	6	6	8	3	SHRUB
<u>Coprosma repens</u> Mirror Plant	-	10	10	10	10	12	10	SHRUB
<u>Correa pulchella</u> Australian Fuchsia	-	4	4	4	4	4	4	SHRUB
<u>Cotinus coggygria</u> Smoke Tree	-	15	15	15	15	17	10	SHRUB
<u>Cotinus coggygria 'Purpureus'</u> No common name	-	15	15	15	15	17	10	SHRUB
<u>Cotoneaster lacteus</u> Parney Cotoneaster	-	10	10	10	10	12	10	SHRUB
<u>Cupaniopsis anacardioides</u> Carrotwood	30	-	15	15	15	17	-	SMALL TREE
<u>Cupressus arizonica glabra</u> Smooth Arizona Cypress	30	-	15	15	15	17	-	TREE
<u>Cupressus macrocarpa</u> Monterey Cypress	30	-	20	20	20	22	-	TREE
<u>Delosperma alba</u> White Trailing Iceplant	-	6	6	6	6	8	1	GROUND COVER
<u>Dendromecon rigida harfordii</u> Island Bush Poppy	-	15	15	15	15	17	12	SHRUB
<u>Diplacus aurantiacus</u> Bush Monkey Flower	-	6	6	6	6	8	4	SHRUB
<u>Distictis buccinatoria</u> Blood-Red Trumpet Vine	-	-	-	-	8	10	8	VINE
<u>Distictis laxiflora</u> Vanilla Trumpet Vine	-	-	-	-	8	10	8	VINE
<u>Distictis 'Rivers'</u> Royal Trumpet Vine	-	-	-	-	8	10	8	VINE

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	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Elaeagnus pungens</u> Silverberry	-	15	10	10	10	12	10	SHRUB
<u>Erythrina caffra</u> Kaffir Boom	40	-	30	20	20	20	-	TREE
<u>Erythrina coralloides</u> Naked Coral Tree	40	-	20	20	20	22	-	TREE
<u>Erythrina crista-galli</u> Cockspur Coral Tree	40	-	20	20	20	20	-	TREE
<u>Escallonia exoniensis</u> No common name	-	10	8	8	8	10	6	SHRUB
<u>Escallonia 'Newport Dwarf'</u> No common name	-	5	5	5	5	5	3	SHRUB
<u>Escallonia rubra</u> Red Escallonia	-	10	8	8	8	10	6	SHRUB
<u>Escallonia 'Terri'</u> No common name	-	6	6	6	6	6	3	SHRUB
<u>Eucalyptus camaldulensis</u> Red Gum	40	-	20	20	15	17	-	TREE
<u>Eucalyptus citriodora</u> Lemon Gum	40	-	30	30	15	17	-	TREE
<u>Eucalyptus cladocalyx</u> Sugar Gum	40	-	20	20	15	17	-	TREE
<u>Eucalyptus erythrocorys</u> Red Cap Gum	30	-	15	15	15	17	-	TREE
<u>Eucalyptus ficifolia</u> Red-Flowering Gum	30	-	15	15	15	17	-	TREE
<u>Eucalyptus gunnii</u> Cider Gum	30	-	20	20	20	22	-	TREE
<u>Eucalyptus nicholii</u> Nichol's Peppermint	30	-	15	15	15	17	-	TREE
<u>Eucalyptus polyanthemos</u> Silver-Dollar Gum	30	-	15	15	15	17	-	TREE
<u>Eucalyptus rudis</u> Desert Gum	30	-	20	20	15	17	-	TREE
<u>Eucalyptus sideroxyton</u> Pink Ironbark	30	-	15	15	15	17	-	TREE
<u>Eucalyptus spathulata</u> Swamp Mallee	30	-	15	15	10	12	-	TREE
<u>Eucalyptus viminalis</u> Manna Gum	40	-	20	20	15	17	-	TREE

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	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Euonymus fortunei radicans</u> Trailing Euonymus	-	20	20	20	20	22	15	SHRUB
<u>Euryops pectinatus</u> Golden Shrub Daisy	-	6	5	5	5	6	3	SHRUB
<u>Ficus pumila</u> Creeping Fig	-	-	-	-	10	12	3	VINE
<u>Fraxinus uhdei</u> Shamel Ash	40	-	15	15	15	17	-	TREE
<u>Fremontodendron 'California Glory'</u> Flannel Bush	-	15	10	10	10	12	10	SHRUB
<u>Fremontodendron mexicanum</u> Mexican Flannel Bush	-	15	10	10	10	12	10	SHRUB
<u>Garrya elliptica</u> Coast Silk-tassel	-	15	10	10	10	12	10	SHRUB
<u>Garrya elliptica 'James Roof'</u> No common name	-	15	10	10	10	12	10	SHRUB
<u>Gazania rigens leucolaena</u> 'Sunrise Yellow' Gazania	-	6	6	6	6	8	1	GROUND COVER
<u>Geijera parviflora</u> Australian Willow	30	-	10	10	10	12	-	TREE
<u>Gelsemium sempervirens</u> Carolina Jessamine	-	-	-	-	10	12	10	VINE
<u>Ginkgo biloba</u> Ginkgo	30	-	20	15	15	17	-	TREE MALE ONLY
<u>Gleditsia triacanthos inermis 'Moraine'</u> Moraine Honey Locust	30	13	15	13	13	13	-	TREE
<u>Grevillea 'Canberra'</u> No common name	-	10	10	10	8	10	10	SHRUB
<u>Grevillea 'Constance'</u> No common name	-	10	10	10	8	10	10	SHRUB
<u>Grevillea 'Noell'</u> No common name	-	8	8	8	6	8	6	SHRUB
<u>Grevillea lanigera</u> Woolly Grevillea	-	10	10	10	6	8	8	SHRUB
<u>Grevillea rosmarinifolia</u> Rosemary Grevillea	-	8	6	6	6	8	5	SHRUB
<u>Grewia caffra</u> Lavender Starflower	-	10	10	10	6	8	8	SHRUB
<u>Hedera canariensis</u> Algerian Ivy	-	6	6	6	6	8	1	GROUND COVER

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<u>Hedera helix</u> English Ivy	-	6	6	6	6	8	1	GROUND COVER
<u>Hemerocallis hybrids</u> Daylily	-	3	3	3	3	5	3	-
<u>Heteromeles arbutifolia</u> Toyon	-	15	15	10	10	12	15	SHRUB
<u>Hymenosporum flavum</u> Sweetshade	30	-	15	15	15	17	-	TREE
<u>Jasminum humile</u> Italian Jasmine	-	15	15	15	15	17	10	SHRUB
<u>Jasminum mesnyi</u> Primrose Jasmine	-	15	15	15	15	17	10	SHRUB
<u>Juniperus chinensis 'Pfitzerana'</u> Pfitzer Juniper	-	6	6	6	6	8	6	SHRUB
<u>Juniperus chinensis sargentii</u> Sargent Juniper	-	10	10	6	10	12	6	SHRUB
<u>Juniperus horizontalis 'Wiltonii'</u> Wilton Carpet Juniper	-	6	6	6	6	8	6	SHRUB
<u>Juniperus sabina 'Broadmoor'</u> Broadmoor Juniper	-	6	6	6	6	8	10	SHRUB
<u>Juniperus sabina 'Scandia'</u> No common name	-	10	10	10	10	12	10	SHRUB
<u>Koelreuteria bipinnata</u> Chinese Flame Tree	30	-	10	10	10	12	-	TREE
<u>Koelreuteria paniculata</u> Golden Rain Tree	30	-	15	15	15	17	-	TREE
<u>Lagerstroemia indica</u> Crape Myrtle	30	-	15	15	15	17	-	TREE
<u>Lagerstromia indica 'Dwarf'</u> Crape Myrtle (Dwarf shrub form)	-	10	6	6	6	10	6	SHRUB
<u>Lantana camara</u> Yellow Sage	-	4	4	4	4	4	4	SHRUB
<u>Lantana 'Confetti'</u> No common name	-	6	6	6	6	8	3	SHRUB
<u>Lantana 'Gold Mound'</u> No common name	-	6	6	6	6	8	3	SHRUB
<u>Lantana montevidensis</u> No common name	-	6	6	6	6	8	3	SHRUB
<u>Lantana 'Radiation'</u> No common name	-	6	6	6	6	8	3	SHRUB

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<u>Lantana</u> 'Spreading Sunset' No common name	-	6	6	6	6	8	3	SHRUB
<u>Lantana</u> 'Spreading Sunshine' No common name	-	8	6	6	6	8	6	SHRUB
<u>Leptospermum laevigatum</u> Australian Tea Tree	-	15	15	15	15	17	-	SHRUB
<u>Leptospermum scoparium</u> New Zealand Tea Tree	-	15	10	10	10	12	10	SHRUB
<u>Leucophyllum frutescens</u> Texas Ranger	-	8	6	6	6	8	6	SHRUB
<u>Ligustrum lucidum</u> Glossy Privet	30	-	20	15	15	17	15	TREE
<u>Liquidambar styraciflua</u> Sweet Gum	30	-	15	15	15	17	-	TREE
<u>Liriodendron tulipifera</u> Tulip Tree	30	-	20	15	15	17	-	TREE
<u>Lonicera japonica</u> 'Halliana' Hall's Honeysuckle	-	-	-	-	6	8	8	VINE
<u>Lycianthes rantonnei</u> Blue Potato Bush	-	8	8	8	8	10	8	SHRUB
<u>Lyonothamnus floribundus</u> <u>asplenifolius</u> Fern-Leaf Catalina Ironwood	30	-	20	20	10	12	-	TREE
<u>Macfadyena unguis-cati</u> Cat's-Claw	-	-	-	-	10	12	8	VINE
<u>Magnolia grandiflora</u> Southern Magnolia	30	-	15	15	15	17	-	TREE
<u>Mahonia aquifolium</u> Oregon Grape	-	6	6	6	6	8	6	SHRUB
<u>Mahonia pinnata</u> California Holly-Grape	-	6	6	6	6	8	6	SHRUB
<u>Malephora crocea purpureo-crocea</u> (Hymenocyclus) Ice plant	-	6	6	6	6	8	1	GROUND COVER
<u>Melaleuca armillaris</u> Drooping Melaleuca	-	20	20	20	20	22	-	SHRUB
<u>Melaleuca nesophila</u> Pink Melaleuca	-	15	15	15	15	17	15	SHRUB
<u>Melaleuca quinquenervia</u> Cajeput Tree	30	-	20	20	20	22	-	TREE

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	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Metrosideros excelsus</u> New Zealand Christmas Tree	30	-	15	15	15	17	-	TREE
<u>Myoporum laetum</u> No common name	30	-	20	20	20	22	-	TREE
<u>Myoporum 'Pacificum'</u> Prostrate Myoporum	-	20	20	20	20	22	20	SHRUB
<u>Myrica californica</u> Pacific Wax Myrtle	-	15	12	12	12	15	10	SHRUB
<u>Myrtus communis</u> True Myrtle	-	15	15	15	15	17	8	SHRUB
<u>Nandina domestica</u> Heavenly Bamboo	-	8	8	8	8	10	4	SHRUB
<u>Nerium oleander 'Algiers'</u> No common name	-	8	8	8	8	10	8	SHRUB
<u>Nerium oleander 'Casablanca'</u> No common name	-	8	8	8	8	10	8	SHRUB
<u>Nerium oleander 'Little Red'</u> No common name	-	10	10	10	10	12	6	SHRUB
<u>Nerium oleander 'Mrs. George Roeding'</u> No common name	-	12	12	10	10	12	8	SHRUB
<u>Nerium oleander 'Petite Pink'</u> No common name	-	6	8	6	6	8	6	SHRUB
<u>Nerium oleander 'Petite Salmon'</u> No common name	-	6	8	6	6	8	6	SHRUB
<u>Nerium oleander 'Rubra'</u> No common name	-	10	10	8	8	10	8	SHRUB
<u>Nerium oleander 'Single Pink'</u> No common name	-	12	12	10	10	12	10	SHRUB
<u>Nerium oleander 'Sister Agnes'</u> No common name	-	15	15	15	15	17	15	SHRUB
<u>Nyssa sylvatica</u> Sour Gum	30	-	20	20	20	22	-	TREE
<u>Olea europaea 'Fruitless'</u> Olive	30	-	15	15	10	12	-	TREE
<u>Olea europaea 'Skylark Dwarf'</u> No common name	-	8	8	8	8	10	8	SHRUB
<u>Pandorea jasminoides</u> Bower Vine	-	-	-	-	6	8	10	VINE

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<u>Parkinsonia aculeata</u> Jerusalem Thorn	30	15	15	15	15	17	-	TREE
<u>Parthenocissus tricuspidata</u> Boston Ivy	-	-	-	-	4	15	10	VINE
<u>Paulownia tomentosa</u> Empress Tree	40	-	20	20	15	18	-	TREE
<u>Photinia X fraseri</u> Photinia	-	15	15	10	10	12	10	SHRUB
<u>Photinia serrulata</u> Chinese Photinia	-	21	15	10	10	12	10	SHRUB
<u>Pistacia chinensis</u> Chinese Pistache	40	-	20	20	20	22	-	TREE
<u>Pittosporum crassifolium</u> Evergreen Pittosporum	-	15	10	10	8	10	10	SHRUB
<u>Pittosporum tenuifolium</u> Tawhiwhi	-	15	10	10	8	10	8	SHRUB
<u>Pittosporum tobira</u> Tobira	-	15	10	6	6	8	6	SHRUB
<u>Pittosporum tobira 'Variegata'</u> Variegated Tobira	-	10	10	10	10	12	10	SHRUB
<u>Pittosporum tobira 'Wheeler's Dwarf'</u> No common name	-	3	3	3	6	6	8	SHRUB
<u>Pittosporum undulatum</u> Victorian Box	30	20	20	15	15	17	-	SHRUB
<u>Platanus X acerifolia</u> London Plane	30	-	20	20	10	12	-	TREE
<u>Platanus racemosa</u> California Sycamore	40	-	20	20	10	12	-	TREE
<u>Plumbago auriculata</u> Cape Plumbago	-	15	15	15	15	17	10	SHRUB
<u>Podocarpus henkelii</u> Long-Leafed Yellow-Wood	30	-	15	15	15	17	-	SMALL TREE
<u>Polygonum aubertii</u> Chinese Fleece Vine	-	-	-	-	10	12	10	VINE
<u>Populus fremontii</u> Fremont Cottonwood	40	-	20	20	20	22	-	TREE
<u>Populus nigra 'Italica'</u> Lombardy Poplar	60	-	60	40	60	40	-	TREE
<u>Prosopis chilensis</u> Mesquite	30	-	20	20	20	22	-	TREE

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	TRVD WAY	PVMT	FENCE	WALL	PAVED DITCH	EARTH DITCH		
<u>Prunus caroliniana</u> Carolina Cherry Laurel	-	12	10	10	10	12	10	SHRUB
<u>Prunus ilicifolia</u> Holly-Leaf Cherry	-	15	15	15	15	17	15	SHRUB
<u>Prunus lyonii</u> Catalina Cherry	-	15	15	15	15	17	15	SHRUB
<u>Pseudotsuga menziesii</u> Douglas Fir	30	-	20	20	20	22	-	TREE
<u>Pyrostegia venusta</u> Flame Vine	-	-	-	-	10	12	8	VINE
<u>Pyrus calleryana</u> Callery Pear	30	-	15	15	15	17	-	TREE
<u>Pyrus kawakamii</u> Evergreen Pear	30	-	15	15	15	17	-	TREE
<u>Quercus agrifolia</u> Coast Live Oak	30	-	20	15	15	17	-	TREE
<u>Quercus coccinea</u> Scarlet Oak	30	-	15	15	15	17	-	TREE
<u>Quercus douglasii</u> Blue Oak	30	-	20	15	15	17	-	TREE
<u>Quercus dumosa</u> California Scrub Oak	-	10	10	10	10	12	10	SHRUB
<u>Quercus engelmannii</u> Engelmann Oak	30	-	20	20	20	22	-	TREE
<u>Quercus kelloggii</u> California Black Oak	30	-	20	20	20	22	-	TREE
<u>Quercus lobata</u> Valley Oak	30	-	20	20	20	22	-	TREE
<u>Quercus palustris</u> Pin Oak	30	-	20	20	20	22	-	TREE
<u>Quercus wislizenii</u> Interior Live Oak	30	-	15	15	10	10	-	TREE
<u>Rhamnus alaternus</u> 'John Edwards' No common name	-	15	15	10	10	12	15	SHRUB
<u>Rhamnus californica</u> Coffeeberry	-	15	15	10	10	12	15	SHRUB
<u>Rhamnus californica</u> 'Eve Case' No common name	-	8	8	8	6	10	6	SHRUB
<u>Rhamnus californica</u> 'Sea View' No common name	-	10	10	10	10	12	6	SHRUB

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<u>Rhamnus</u> <u>crocea</u> <u>ilicifolia</u> Hollyleaf	15	15	-	10	10	12	15	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> Indian Hawthorn	-	8	10	10	8	10	6	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Ballerina</u> ' No common name	-	3	3	3	6	6	3	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Clara</u> ' No common name	-	10	6	6	10	12	6	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Jack Evans</u> ' No common name	-	8	10	10	8	10	6	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Pink Cloud</u> ' No common name	-	8	10	10	8	10	6	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Rosea</u> ' No common name	-	8	10	10	8	10	6	SHRUB
<u>Rhaphiolepis</u> <u>indica</u> ' <u>Springtime</u> ' No common name	-	10	6	6	10	12	6	SHRUB
<u>Rhaphiolepis</u> ' <u>Majestic Beauty</u> ' No common name	-	12	10	10	12	10	10	SHRUB
<u>Rhaphiolepis</u> <u>umbellata</u> Yeddo Hawthorn	-	8	8	8	8	8	6	SHRUB
<u>Rhus</u> <u>integrifolia</u> Lemonade Berry	-	15	10	10	10	12	12	SHRUB
<u>Rhus</u> <u>lancea</u> African Sumac	-	20	15	15	15	17	12	SHRUB
<u>Rhus</u> <u>laurina</u> Laurel Sumac	-	20	15	15	15	17	12	SHRUB
<u>Rhus</u> <u>ovata</u> Sugarbush	-	15	10	10	10	12	12	SHRUB
<u>Ribes</u> <u>sanguineum</u> Red Flowering Currant	-	6	4	4	4	4	4	SHRUB
<u>Ribes</u> <u>viburnifolium</u> Evergreen Currant	-	8	8	8	8	8	6	SHRUB
<u>Robinia</u> X <u>ambigua</u> ' <u>Idahoensis</u> ' Idaho Locust	30	15	15	10	10	12	-	TREE
<u>Robinia</u> <u>pseudoacacia</u> Black Locust	30	-	20	20	15	17	-	TREE
<u>Romneya</u> <u>coulteri</u> Matilija Poppy	-	12	10	10	10	12	8	SHRUB
<u>Rosa</u> <u>banksiae</u> Lady Banks' Rose	-	15	15	-	13	8	10	VINE

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<u>Rosa banksiae</u> 'Lutea' Banks' Yellow Rose	-	15	15	-	13	8	10	VINE
<u>Rosa</u> 'Meidiland' Rose	-	8 to 13	8	8	8	10	6 to 13	SHRUB
<u>Rosmarinus officinalis</u> Rosemary	-	6	6	6	6	8	3	SHRUB
<u>Rosmarinus officinalis</u> 'Prostratus' No common name	-	10	6	6	8	8	6	GROUND COVER
<u>Salvia leucophylla</u> Purple Sage	-	8	6	6	6	8	5	SHRUB
<u>Sambucus caerulea</u> Blue Elderberry	-	15	15	15	15	17	10	SHRUB
<u>Sapium sebiferum</u> Chinese Tallow Tree	30	-	15	15	15	17	-	TREE
<u>Schinus molle</u> California Pepper Tree	40	-	30	25	20	22	-	TREE
<u>Schinus terebinthifolius</u> Brazilian Pepper Tree	35	-	20	20	15	17	-	TREE
<u>Sequoia sempervirens</u> Coast Redwood	30	-	20	20	20	22	-	TREE
<u>Sollya heterophylla</u> Australian Bluebell Creeper	-	10	6	6	6	8	6	SHRUB
<u>Strelitzia nicolai</u> Bird-of-Paradise Tree	-	8	6	6	6	8	-	SHRUB
<u>Strelitzia reginae</u> Bird-of-Paradise	-	8	6	6	6	8	-	SHRUB
<u>Tabebuia chrysotricha</u> Golden Trumpet Tree	30	-	10	10	10	12	-	TREE
<u>Tamarix aphylla</u> Athel Tree	30	-	20	20	20	22	-	TREE
<u>Tecoma stans</u> Yellow Elder	-	15	8	8	8	10	10	SHRUB
<u>Tecomaria capensis</u> Cape Honeysuckle	-	-	-	-	8	10	8	VINE
<u>Thevetia peruviana</u> Yellow Oleander	-	10	8	8	8	10	8	SHRUB
<u>Tipuana tipu</u> Tipu Tree	30	-	15	15	15	17	-	TREE
<u>Trachelospermum jasminoides</u> Star Jasmine	-	10	-	-	10	12	6	GROUND COVER

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<u>Trachycarpus fortunei</u> Windmill palm	30	-	12	12	12	15	-	TREE
<u>Tristania conferta</u> Brisbane Box	30	-	20	20	20	22	-	TREE
<u>Umbellularia californica</u> California Bay	40	-	30	30	20	22	-	TREE
<u>Vaccinium ovatum</u> Evergreen Huckleberry	-	8	8	8	8	10	8	SHRUB
<u>Vauquelinia californica</u> Arizona Rosewood	-	15	15	15	15	17	12	SHRUB
<u>Viburnum tinus</u> Laurustinus	-	6	6	6	6	8	6	SHRUB
<u>Xylosma congestum</u> Shiny Xylosma	-	15	15	10	10	12	10	SHRUB
<u>Xylosma congestum</u> 'Compactum' Compact Shiny Xylosma	-	10	10	8	8	10	6	SHRUB