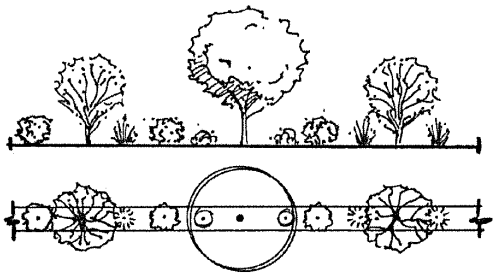
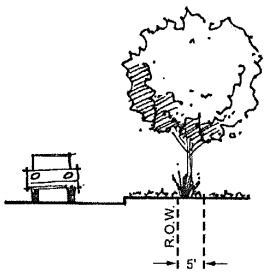
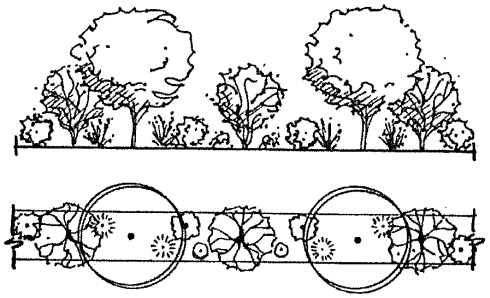
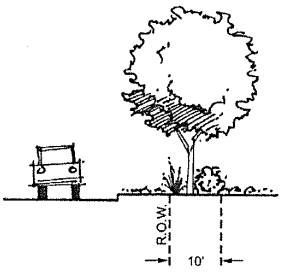
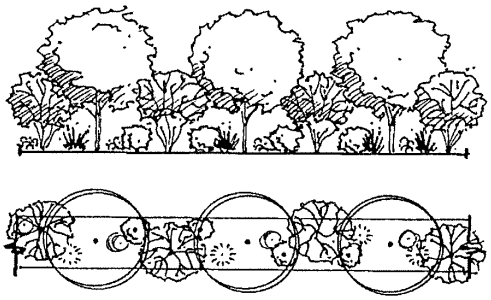
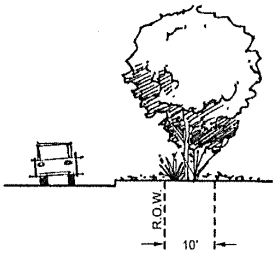
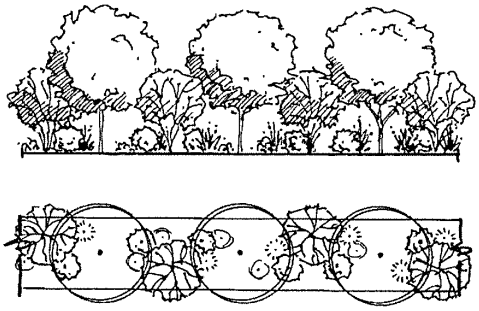
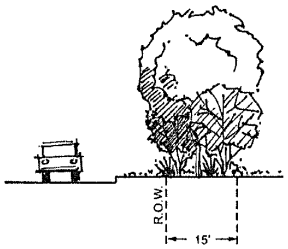
Table 52-1: EXISTING TREE CREDITS

Tree Diameter (DBH)	Planting Requirement Reduction
From 2" to 6"	One canopy tree OR two understory trees
Up to 12"	Two canopy trees OR three understory trees
Up to 24"	Three canopy trees OR four understory trees
Greater than 24"	Four canopy trees OR four understory trees

Table 52-2: BUFFER YARD REQUIREMENTS (PER 100 LINEAR FEET)

Buffer Yard 'A' • 5-foot min. width • Min. 1 canopy tree • Min. 2 understory trees • Min. 8 screening shrubs • No fence or berm required		
Buffer Yard 'B' • 10-foot min. width • Min. 2 canopy trees • Min. 3 understory trees • Min. 10 screening shrubs • No fence or berm required		
Buffer Yard 'C' • 10-foot min. width • Min. 3 canopy trees • Min. 4 understory trees • Min. 12 screening shrubs • No fence or berm required		
Buffer Yard 'D' • 15-foot min. width • Min. 3 canopy trees • Min. 4 understory trees • Min. 18 screening shrubs • No fence or berm required		

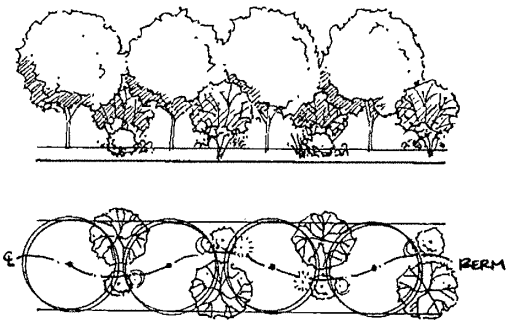
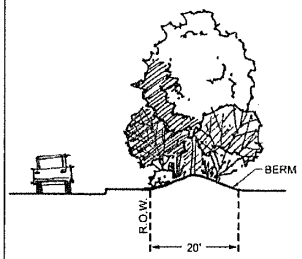
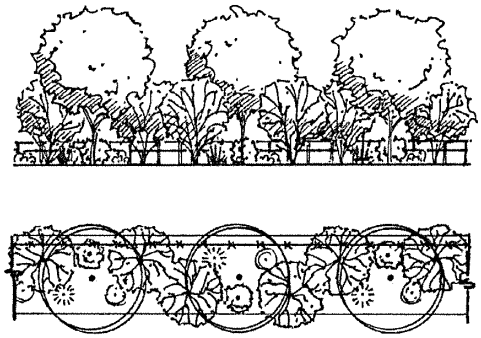
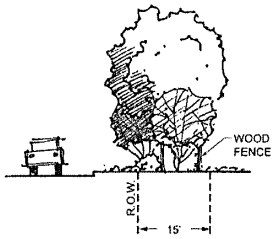
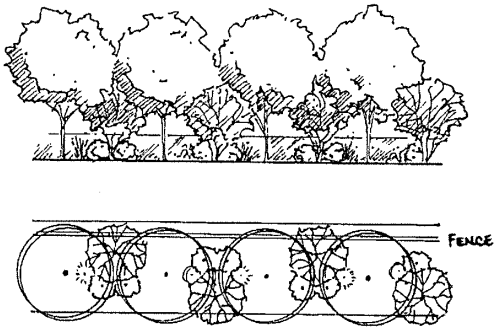
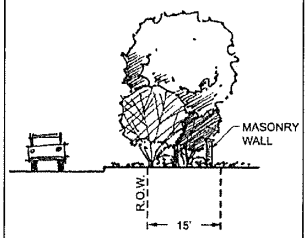
Buffer Yard 'E' • 20-foot min. width • Min. 4 canopy trees • Min. 4 understory trees • Min. 10 screening shrubs • Min. 3-ft high berm required, with max. slope of 3:1		
Buffer Yard 'F1' • 15-foot min. width • Min. 3 canopy trees • Min. 6 understory trees • Min. 10 screening shrubs • 6-ft high fence required, see Item 3 for required structures, this section.		
Buffer Yard 'F2' • 15-foot min. width • Min. 4 canopy trees • Min. 4 understory trees • Min. 12 screening shrubs • 6-ft high fence required, see Item 3 for required structures, this section.		

Table 52-3: BUFFER YARD REQUIREMENT MATRIX

Zoning of Developing Tract	Existing Adjacent Zoning				
	SF-LL, SF-1, SF-1A, SF2, 2F	MF	LR, GB	LI	MH
SF-OT	*	F1	F1	F2	F1
SF-LL, SF-1, SF-1A, SF-2, 2F	*	F2	F2	F2	F2
MF	F2	A	F2	F2	F2
LR, GB	F2	F2	A	B	F2
LI	F2	F2	F2	A	F1
MH	F2	D	A	F1	A

* No buffer yard required

Table 52-4: BUFFER YARD ROADWAY FRONTAGE MATRIX

Zoning of Developing Tract	Frontage Along Thoroughfares or Collector Roads	Frontage Along Residential Street
SF-LL, SF-1, SF-1A, SF-2	E, F1, or F2 (Incl. lots backing or siding to roadway)	*
SF-OT	E, F1, or F2	*
2F	E, F1, or F2	*
MF	D	D
LR, GB	E	E
LI	E	E
MH	C	D

* No buffer yard required

Figure 52-5: REQUIRED STRUCTURES

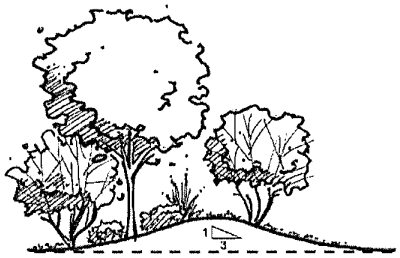
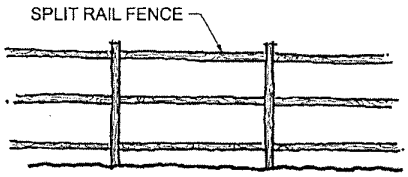
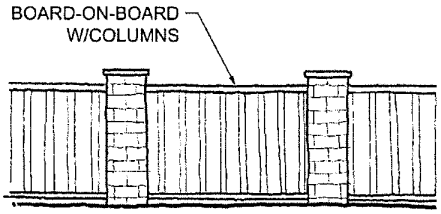
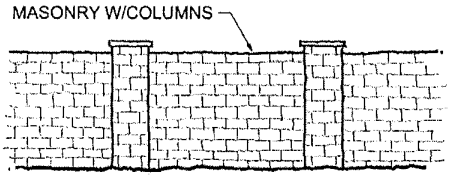
Structure Type	Typical Examples	Notes
E (Berm)		Berms shall be a min. three (3) feet in height, curvilinear in plan and non-continuous in profile (no more than 75% of the buffer yard length), with a maximum side-slope of 3:1.
F1 (Fence)		Split-rail fences shall be four (4) feet in height, all other types shall be six (6) feet in height. If completed finish differs from side-to-side, the less-finished side shall face the more intensive land-use.
F1 (Fence)		
F2 (Wall)		

Table 52-6: OPTIONAL BUFFER YARDS

Buffer Yard Required	Optional Buffer Yard
A	B, C, D, E
B	C, D, F1
C	D, F1
D	F1
E	B, C, D
F1	F2
F2	None

Table 52-7: RESIDENTIAL PLANT QUANTITIES

Lot Area (SF)	Total Caliper Inches	Total Number of Shrubs
Up to 6,999	5	12
7,000-8,999	8	15
9,000-19,999	11	20
20,000+	14	25

Table 52-8: PLANTER ISLAND SIZING

6" caliper (DBH) or less	8' minimum width
6" to 12" caliper (DBH)	12' minimum width
more than 12" caliper (DBH)	18' minimum width
Ornamental grasses	3-gallon container, 18-inch height
Groundcover	4-inch (SP4) containers

Table 52-9: RECOMMENDED PLANT LIST "A"

CANOPY (SHADE) TREES—HARDINESS ZONE 8								
Common Name	**Botanical Name**	**TX Native**	**Mature Height**	**Mature Spread**	**Light Req.**	**Water**	**Foliage**	**Util. Appr.**
Ash, Texas	*Fraxinus texensis*	Y	30'	40-50'	Sun	VL	Decid.	
Cedar, Eastern Red	*Juniperus virginiana*	Y	20-50"	15-25'	Sun	M	Everg.	
Cherry, Escarpment Black	*Prunus serotina var. eximia*	Y	25-50'	25-35'	Sun/part shade	L	Decid.	
Cypress, Arizona	*Cupressus arizonica*	Y	20-50'	15-25'	Sun	L	Everg.	
Elm, American	*Ulmus americana*		70-90'	50-90'	Sun/part shade	M	Decid.	
Elm, Cedar	*Ulmus crassifolia*	Y	25-60'	25-35'	Sun/part shade	L	Decid.	
Elm, Lacebark	*Ulmus parvifolia*		40-60'	30-40'	Sun	M	Decid.	
Locust, Honey (thornless)	*Gleditsia triacanthos inermis*	Y	30-50'	25-35'	Sun/part shade		Decid.	
Maple, Big Tooth	*Acer grandidentatum*	Y	40-50'	20-30'	Sun/part shade	VL	Decid.	
Mesquite, Honey	*Prosopis glandulosa*	Y	Y	25-30'	Sun	VL	Decid.	Yes
Oak, Bur	*Quercus macrocarpa*	Y	50-75'	50'+	Sun	VL	Decid.	
Oak, Chinquapin	*Quercus muhlenbergii*	Y	30-60'	30-40'	Sun	M	Decid.	
Oak, Lacey	*Quercus laceyi*	Y	20-35'	25'	Sun	VL	Decid.	
Oak, Monterey (Mexican White)	*Quercus polymorpha*	Y	40-60'	30-40'	Sun	VL	Everg.	
Oak, Escarpment Live*	*Quercus fusiformis*	Y	20-40'	50'+	Sun	L-VL	Everg.	
Oak, Shumard Red*	*Quercus shumardii*	Y	30-50'	30'-50'	Sun	L	Decid.	
Oak, Southern Live*	*Quercus virginiana*	Y	30-50'	50'+	Sun	L-VL	Everg.	

Oak, Texas Red*	*Quercus texana*	Y	15-30'	15-30'	Sun	L	Decid.	
Oak, Post	*Quercus stellata*		30-50'	60-80'	Sun/part shade	M	Decid.	
Pecan	*Carya illinoiensis*	Y	60-90'	60-75'	Sun	M	Decid.	
Pine, Italian Stone	*Pinus pinea*		35-60'	20-40'	Sun	L	Everg.	
Sycamore, Mexican	*Platanus mexicana*		30-50'	40'	Sun/part shade	M-L	Decid.	
Walnut, Texas Little	*Juglans microcarpa*	Y	18-20'	20'	Sun/part shade	M	Decid.	

* May not be used in Oak Wilt prone area.

Table 52-10: RECOMMENDED PLANT LIST "B"

UNDERSTORY (ORNAMENTAL) TREES—HARDINESS ZONE 8								
Common Name	**Botanical Name**	**TX Native**	**Typ. Height**	**Typ. Spread**	**Light Req.**	**Water**	**Foliage**	**Util. Appr.**
Buckeye, Mexican	*Ungnadia speciosa*	Y	8-15'	12-20'	Sun/part shade	L	Decid.	Yes
Cherry Laurel	*Prunus caroliniana*	Y	15-20'	12-15'	Sun/part shade	M	Everg.	
Chitalpa	*Chitalpa tashkentensis*		25-30'	15-20'	Sun/part shade	L	Decid.	
Crapemyrtle	*Lagerstroemia indica*		4-30'	10-20'	Sun	L-M	Decid.	Yes
Desert Willow	*Chilopsis linearis*	Y	10-25'	15-20'	Sun/part shade	VL	Decid.	Yes
Dogwood, Rough-leaf	*Comus drummondii*	Y	8-15'	10-15'	Sun/shade	M	Decid.	
Eve's Necklace	*Sophora affinis*	Y	10-20'	15-20	Sun/part shade	L	Decid.	Yes
Possumhaw	*Ilex decidua*	Y	12-15'	12'	Sun/part shade	L-M	Decid.	Yes
Holly, Yaupon	*Ilex vomitoria*	Y	15-25'	10-15'	Sun/part shade	L-M	Everg.	Yes
Mountain-laurel, Texas	*Sophora secundiflora*	Y	10-20'	8-12'	Sun/part shade	L	Everg.	Yes
Persimmon, Texas	*Diospyros texana*	Y	8-15'	8-12'	Sun/part shade	VL	Decid.	Yes
Pistache, Texas	*Pistacia texana*	Y	10-30'	30-45'	Sun/part shade	VL	Everg.	
Plum, Mexican	*Prunus mexicana*	Y	15-25'	15-20'	Sun/part shade	L	Decid.	Yes
Redbud, Mexican	*Cercis canadensis* var. mexicana	Y	15-30'	12-15'	Sun/part shade	VL	Decid.	Yes

Redbud, Texas	*Cercis canadensis* var. texensis	Y	15-30'	12-15'	Sun/part shade	L	Decid.	Yes
Retama Palo Verde	*Parkinsonia aculeata*	Y	12-20'	12-20'	Part shade/ sun	VL	Decid.	
Sumac, Flameleaf	*Rhus lanceolata*	Y	10-30'	15-20'	Sun/part shade	L	Decid.	
Viburnum, Rusty Blackhaw	*Viburnum rufidulum*	Y	10-30'	10-15'	Sun/shade	L	Decid.	
Wax Myrtle	*Myrica cerifera*	Y	10-15'	6-15'	Sun/part shade	M	Everg.	Yes

Table 52-11: RECOMMENDED PLANT LIST "C"

Common Name	Scientific Name	TX Native	Mature Height	Mature Spread	Light Req.	Water	Evergreen/ Deciduous
LARGE (SCREENING)							
Abelia Glossy	*Abelia grandiflora*		6'	6'	Sun/part shade	L-M	E
Acuba	*Acuba japonica*		3-5'	3-5'	Part shade	M	E
Cotoneaster	*Cotoneaster sp.*		3-5'	4-7'	Sun/Part shade	M	E
Hawthorne, Indian	*Rhaphiolepis indica*		4-6'	4-6'	Sun/part shade	M	E
Holly, Burford	*Ilex comuta 'Burfordii'*		8-12'	8-10'	Sun/part shade	L	E
Holly, Dwarf Burford	*Ilex comuta 'Burfordii Nana'*		4-6'	3-4'	Sun/Part shade	L	E
Holly, Dwarf Chinese	*Ilex comuta 'Rotunda nana'*		3-4'	3-6'	Sun/Part shade	L	E
Holly, Nellie R. Stevens	*Ilex comuta 'Nellie R. Stevers'*		8-10	5-6'	Sun	L-M	E
Holly, Dwarf Yaupon	*Ilex vomitoria 'Nana'*	Y	2-4'	2-4'	Sun/shade	L	E
Rosemary, Upright	*Rosmarinus officinalis*		4'	4-6'	Sun	M	E
Sage, Texas	*Leucophyllum frutescens*	Y	4-5'	4-5'	Sun	L	E
Wax Myrtle, Dwarf	*Myrica pusilla; Morella cerifera var. pumila*		3-5'	3-6'	Part shade/sun	M	E
Wax Myrtle, Southern	*Myrica cerifera*	Y	Shrub to 12'	6-15'	Sun/part shade	M	E
Yucca, Spanish Dagger	*Yucca rostrata*	Y	5-15'	4'	Sun/part shade	VL	E
MEDIUM							
Agave, Blue	*Agave tequilana*		6'	6'	Sun	VL	E

Agave, Century Plant	*Agave americana*	Y	6'	8-10'	Sun/part shade	VL	E
American Beautyberry	*Callicarpa americana*	Y	4-6'	6'	Part shade/shade	L-M	D
Cactus, Prickly Pear	*Opuntia spp.*	Y	3-4'	3-4'	Sun	L	E
Esperanza/ Yellow Bells	*Tecoma stans*	Y	4'-8'	4-6'	Sun	L-M	D
Flame Acanthus	*Anisacanthus quadrifidus var. wrightii*	Y	3-4'	3-4'	Sun/part shade	VL	D
Indigo Spires	*Salvia 'Indigo Spires'*	Y	3-4'	5-7'	Sun/part shade	L-M	D
Lantana, Texas	*Lantana horrida*	Y	2-6'	4-5'	Sun	VL	D
Palmetto, Texas Dwarf	*Sabal minor*	Y	3-5'	4-6'	Sun/shade	M	E
Rose, 'Knock Out'	*Rosa 'Knock Out'*		3'	3'	Sun	M	SE
Sage, Cherry (Autumn Sage)	*Salvia greggii*	Y	2-3'	2-3'	Sun	L	E
Sage, Henry Duelberg (Blue Sage)	*Salvia farinacea 'Henry Duelberg'*	Y	3'	3'	Sun	L	D
Sage, Majestic	*Salvia guaranitica*		3-5'	4-5'	Sun/shade	L	D
Sage, Mexican Bush	*Salvia leucantha*		4-5'	4-5'	Sun	L	D
Sage, Russian	*Perovskia atriciplifolia*		3'	3'	Sun	L	D
Sotol, Texas	*Dasylirion texanum*	Y	3-4'	3-4'	Sun/part shade	L	E
Sumac, Fragrant	*Rhus aromatica*	Y	6-9'	4-6'	Sun/part shade	L	D
Turk's Cap	*Malvaviscus arboreus*	Y	2-6'	3-5'	Sun or shade	L	E
Yucca, Red	*Hesperaloe parviflora*		6'	4'	Sun	VL	E
Yucca, Softleaf	*Yucca recurvifolia*	Y	4-6'	3'	Sun/part shade	VL	E

SMALL							
Agave, Parry's	*Agave parryi*	Y	1-1.5'	1.5'	Sun/part shade	VL	E
Agave, Queen Victoria	*Agave victoriae-reginae*	Y	1.5'	1.5'	Sun/part shade	VL	E
Artemisia	*Artemisia 'Powis Castle'*		1-2'	3-6'	Sun	VL	E
Coralberry	*Symphoricarpos orbiculatus*	Y	2-3'	2-3'	Sun/ part shade	L	D
Sage, Scarlet or 'Tropical'	*Salvia coccinea*	Y	1.5-3'	1-1.5'	Sun/Shade	L	D
Skullcap, Pink	*Scutelleria suffrutescens*		1'	3'	Sun/part shade	L	E
Yucca, Red	*Hesperaloe parviflora*	Y	2-4'	4'	Sun/part shade	VL	E

Table 52-12: RECOMMENDED PLANT LIST "D"

ORNAMENTAL GRASSES—HARDINESS ZONE 8							
Common Name	**Scientific Name**	**TX Native**	**Mature Height**	**Mature Spread**	**Light Req.**	**Water**	**Evergreen/ Deciduous**
Bluestem, Big	*Andropogon gerardii*	Y	4-8'	2-3'	Sun/part shade	L	D
Bluestem, Little	*Schizachyrium scoparium*	Y	2-3'	1-1.5'	Sun/part shade	L	D
Feathergrass, Mexican; Mexican Wiregrass	*Nassella tenuissima*	Y	1-2'	1-2.5"	Sun/part shade	L	SE
Fountain Grass, Dwarf	*Pennisetum alopecuroides*		2.5-3'	2.5-3'	Sun	M	D
Indiangrass, Yellow Indian Grass	*Sorghastrum nutans*	Y	3-5'	1-1.5'	Sun/part shade/shade	L	D
Inland Seaoats	*Chasmanthium latifolium*	Y	1-3'	3-6'	Part sun/shade	L-M	D
Muhly, Bamboo	*Muhlenbergia dumosa*		4-5'	4-5'	Sun/part shade	L	E
Muhly, Big; Lindheimer Muhly	*Muhlenbergia lindheimeri*	Y	3-5'	3-4'	Sun/part shade	M-L	D
Muhly, Deer	*Muhlenbergia rigens*	T	1-1.5'	1-1.5'	Sun/part shade	L	D
Muhly, Gulf	*Muhlenbergia capillaris*	Y	2-2.5'	2-3'	Sun/part shade	L-M	D
Muhly, Pine	*Muhlenbergia dubia*	T	1-3'	1-3'	Sun/part shade	VL	E
Muhly, Seep	*Muhlenbergia reverchonii*	T	2-3'	1.5-2'	Sun	VL	D
Nolina; Ribbon Grass, Devil's Shoestring	*Nolina lindheimeriana*	E	1-3'	4-5'	Sun/part shade	L	E
Rye, Canada Wild	*Elymus canadensis*	T	2-4'	2-3'	Sun/part shade	M	D
Sideoats Grama	*Bouteloua curtipendula*	Y	1-3'	2-3'	Sun/part shade	L	D
Switchgrass	*Panicum virgatum*	Y	3-6'	1-3'	Sun/part shade	M	D

Wheatgrass, Western	*Pascopyrum smithii*		1-3'	1-1.5'	Sun/part shade	M	D

Table 52-13: PROHIBITED PLANTS

PROHIBITED PLANT SPECIES*	
Common Name	**Scientific Name**
Bamboo	*Phyllostachys aurea; Bambusa spp.*
Cat's Claw Vine	*Macfadyena unguis-cati*
Cattail	*Typha spp.*
Chinaberry	*Melia azedarach*
Chinese Parasol Tree	*Firmiana simplex*
Chinese Pistache	*Pistacia chinensis*
Chinese Tallow	*Sapium sebiferum*
English Ivy	*Hedera helix*
Giant Cane; Giant Reed	*Arundo donax*
Japanese Honeysuckle	*Lonicera japonica*
Jimsonweed	*Datura stramomium*
Jujube	*Ziziphus zizyphus*
Kudzu	*Pueraria lobata*
Ligustrum, Japanese	*Ligustrum, lucidum*
Ligustrum, Wax Leaf	*Ligustrum japonicum*
Mimosa (non-native)	*Albizzia julibrissin*
Mulberry, Paper	*Broussonetia papyrifera*
Mulberry, White	*Morus alba*

Nandina (fruiting varieties)	*Nandina spp.*
Oleander	*Nerium oleander*
Pampas Grass	*Cortadenia selloana*
Princess Tree; Empress Tree	*Paulownia tomentosa*
Pines, non-native	*Pinus elliottii; P. eldarica, P. virginiana*
Photinia, Chinese	*Photinia spp.*
Privet, Common	*Ligustrum sinense, Ligustrum vulgare (and others)*
Pyracantha	*Pyracantha spp.*
Russian Olive	*Elaegnus angustifolia*
Tamarsik, Salt Cedar	*Tamarix spp.*
Tree of Heaven	*Ailanthus altissima*
Vinca, Periwinkle	*Vinca major & V. minor*
Vitex, Lilac Tree; Chaste Tree	*Vitex agnus-castus*
Wisteria, Chinese	*Wisteria sinensis (and others)*