

# Kuna Urban Forestry

A Guide by the City of Kuna

# PREFACE

- ▶ Kuna wishes to promote a friendly and inviting atmosphere full of color & beauty, for all to enjoy. Staff has worked together in crating a recommendation list that will complement our neighborhoods & City alike.
- ▶ The general theme of this guide is to specify desirable plants & trees that will provide a benefit to Kuna & the region.
- ▶ Enjoy your landscaping adventures!

# Planting Requirements

- ▶ The importance of matching the plant species & its growth requirements to the planting site cannot be overemphasized. The best planting procedures known will not save vegetation that is poorly suited to the planting site. All proposed vegetation must be able to tolerate factors such as unfavorable soil conditions, inadequate or excessive water levels, & space or shade limitations. *Selecting the plant life that best meets the site conditions is the single most important factor in guaranteeing success.*
- ▶ To select the best planting site & vegetation that fits your sites needs, carefully consider:
  - A. Landscaping Purpose - To provide shade, color, a screen from the wind or to enhance wildlife habitat.
  - B. Planting Site - Are overhead or underground utilities present? Make sure to give your vegetation room to grow by envisioning the area 10 - 15 years in the future. How close can different species be to structures & other species?
  - C. Soils - Within urban areas, soils can be highly variable, especially in Kuna. Too much/little drainage often causes vegetation to decline & die. Check with the Ada County Extension Office for soil testing information.
  - D. Maintenance - All plant life needs regular watering, routine pruning, & periodic inspection for pests & disease. Planning now can save time & money later.

# Hardiness Zones

- ▶ There are four (4) hardiness zones within Idaho, with the average annual minimum temperature for each:
  - ▶ Zone 3: -40° to -30° F
  - ▶ Zone 4: -30° to -20° F
  - ▶ Zone 5: -20° to -10° F
  - ▶ Zone 6: -10° to 0° F

# Tree Planting Recommendations

- ▶ Tree trunk flare shall be at ground level. Planting in recessed areas below normal ground level is prohibited. Tree planting area shall have a total dimension of forty-two (42) square feet. Trees shall be planted at least seven (7) feet from the sidewalk to the street, and three (3) feet from the trunk flare on both sides or centered in space available.

# Tree Spacing

- ▶ Class I: 20 - 30 feet
- ▶ Class II: 30 - 40 feet
- ▶ Class III: 40 - 60 feet
- ▶ Longitudinal & Circular Islands shall conform to Tree Spacing Requirements

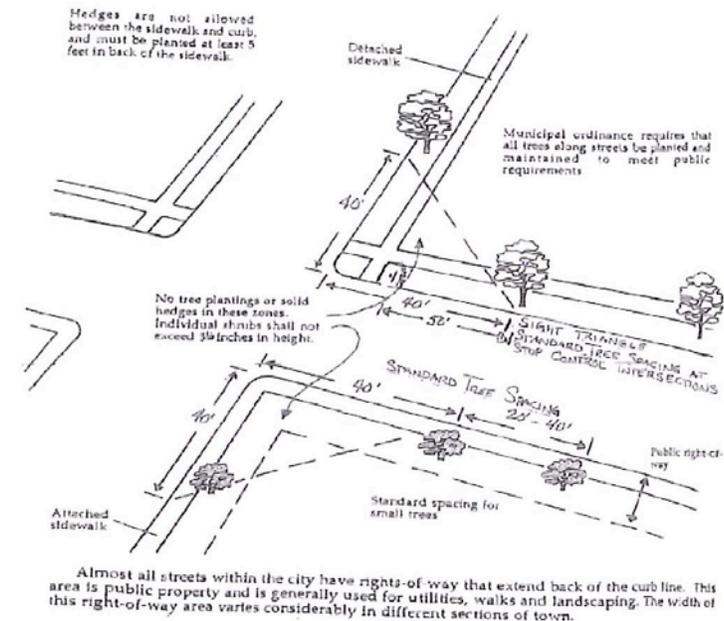
# Clearance Requirements

- ▶ Only Class I trees may be planted under or within 10 lateral feet of any overhead power lines.
- ▶ Minimum 14 ft vertical clearance from gutter pan to tree canopy
- ▶ Minimum of 8 ft vertical clearance from sidewalk to tree canopy
- ▶ Coniferous trees are not allowed within ACHD Right-of-Way or within islands.

# Sight Distance

- ▶ No trees within 40 ft sight triangle
- ▶ No vegetation or obstructions taller than 3 ft at maturity
- ▶ No trees within 50 ft on the approach side of any control stop intersection.

**Figure 4: Sight Triangle, Standard Tree Spacing**



# Storm Drain Facility Requirements

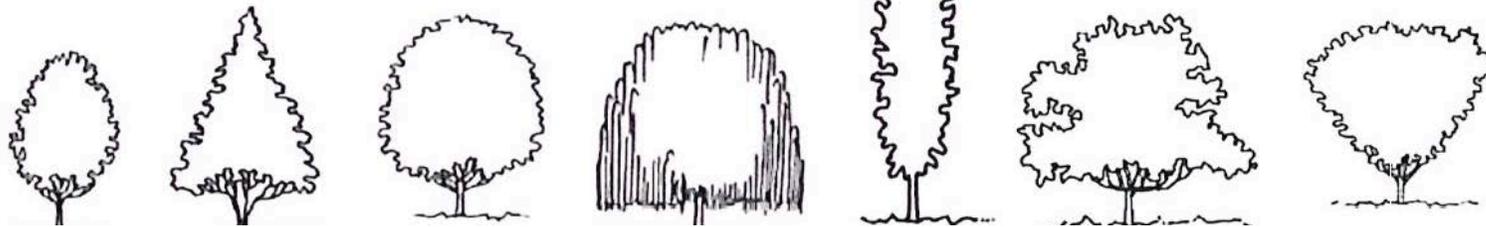
- ▶ Tree planting of any type shall be prohibited within 10 ft of any storm drain facility, structures, piping systems, pressurized irrigation lines, fire hydrants, or utility boxes.
- ▶ Trunk of tree must be offset a minimum of 10ft from edge of seepage beds.

# Trees

- ▶ Each of the tree species pictured in this selection guide is listed in the table in alphabetical order, with some outstanding features, qualities & possible landscape uses. This table is not mean to to limit uses of these trees, but rather to assist in selecting better trees for particular landscaping situations. You are encouraged to plant species where you feel they will best serve your projects needs, while maintaining healthy growth & good aesthetic qualities.

## Tree Forms

- ▶ The tree forms pictured here are examples of tree shapes at maturity; it should give a good idea of how the tree will look & help you plan its inclusion within your design. These forms are referred to under tree characteristics in this guide.



Oval • Pyramidal • Rounded • Weeping • Columnar • Irregular • Vase

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Arborvitae, Brandon's Conifer	X				X	X	X		X
Arborvitae, Emerald Conifer	X				X	X	X		X
Arborvitae, Woodward Conifer	X				X		X		
Ash, Autumn Purple Class II & III			X		X		X		
Ash, Green Class II & III				X	X				X
Ash, Korean Mountain Class II & III		X	X		X		X		
Ash, Raywood Class II & III			X				X		
Ash, Summit Class II & III			X				X		
Catalpa, Western Class II & III		X	X			X	X		



Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Flowering, Aristocrat Pear Class I		X	X	X			X		
Flowering, Bradford Pear Class II & III		X	X		X	X	X		
Flowering, Chanticleer Pear Class II & III		X	X		X	X	X		
Flowering, Cherry Class, I		X	X	X	X	X	X	X	
Flowering, Dogwood Class I		X		X	X		X	X	
Flowering, Peach Class I		X	X	X	X	X	X	X	
Flowering, Plum Class I		X	X	X	X	X	X	X	
Golden Rain Tree Class II & III		X	X			X			
Hackberry Class II & III		X		X	X				

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Honey Locust, Thornless				X	X	X	X		
Hornbeam, European Class II & III			X	X		X	X		
Japanese Pagoda Class II & III		X	X	X	X	X	X		
Japanese Snowball		X			X		X		
Japanese Zelkova			X		X		X		
Juniper, Blue Point Conifer	X				X	X	X		X
Juniper, Gold Coast Conifer	X				X	X	X		X
Juniper, Hillspire Conifer	X				X	X	X		X
Juniper, Mint Julep Conifer	X				X	X	X		X

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Juniper, Pfitzeriana Aurea Conifer	X				X	X	X		X
Juniper, Skyrocket Conifer	X				X	X	X		X
Juniper, Virginia Conifer	X				X	X	X		X
Linden, Basswood Class II & III			X		X		X		
Linden, Silverleaf Class II & III		X	X	X	X		X		X
Locust, Black Class II & III		X			X		X		
Magnolia Class I		X		X	X	X	X	X	
Maidenhair Class II & III			X		X		X		
Maple, Apollo Class II & III			X		X		X		

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Maple, Easy Street Class II & III					X		X		
Maple, Emerald Queen Class II & III			X				X		
Maple, Hedge Class I					X		X	X	
Maple, Norway Class II & III				X	X				
Maple, October Glory Class II & III			X		X		X		
Maple, Scarlet Sentinel Class II & III			X		X		X		
Maple, Schwedler Class II & III			X		X		X		
Mulberry Class II & III		X	X	X	X	X	X		
Oak, Bur Class II & III					X	X	X		

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Oak, Crimson Class II & III			X		X	X	X		
Oak, Red Class II & III			X		X		X		
Olive, Russian Class II & III		X	X		X	X	X		
Pine, Arnold's Sentinel Austrian Black Conifer	X				X	X	X		X
Pine, Mugo Conifer	X				X	X	X		X
Pine, Vanderwolf Conifer	X				X	X	X		X
Planetree, London Class II & III		X	X	X	X	X	X		
Popular, Aspen Class II & III		X	X		X		X		
Redbud, Eastern Class I		X	X	X	X		X	X	

Species Common Name	Evergreen	Showy Flowers	Fall Color	Street Tree	Drought Tolerant	Wildlife/ Natural	Solar Friendly	Powerline Friendly	Wind Break
Smoke Tree, 'Royal Purple' Class I		X	X		X		X	X	
Spruce, Bachori Conifer	X				X	X	X		X
Spruce, Black Hills Conifer	X				X	X	X		X
Spruce, Norway Conifer	X				X	X	X		X
Tulip, Columnar Class II & III		X		X					
Walnut, Black			X		X	X	X		
Willow, Corkscrew Class II & III					X		X		
Willow, Globe Class II & III					X		X		
Yellowwood, American Class I		X					X	X	

# Additional Options & Special Notes

- ▶ Redbud (another family) - Known for their heart shaped leaves, yellow fall color, & beautiful spring color.
- ▶ Flowering Dogwood trees can be very PH adaptable to the Kuna area. There are too many to list, but be careful not to overwater.
- ▶ Japanese Snowbell - Resembles a Flowering Dogwood; flowers grow on the underside of the branch & have the same width & height.
- ▶ Scarlet Sentinel Maples are very solar friendly & hardy.
- ▶ Turkish Filbert - Drought tolerant & PH adaptable.
- ▶ European Ash are not permitted within ACHD Right-of-Way (ROW) or islands.
- ▶ Honey Locust (Thorned) - Not permitted within ACHD ROW or islands.
- ▶ Honey Locust - Widely used in Kuna due to their ability to withstand the high PH soil; many cultivators that include Shade Master, Sun Burst, & Imperial.
- ▶ Black Walnut Trees are not permitted in ACHD ROW or islands.
- ▶ Quaking Aspen - FAST growers & caution should be taken where you plant them. Very good 'screen', windbreak & shade trees. This tree quivers in the wind, giving a rustling sound. Not permitted within ACHD ROW or islands.

# Additional Options & Special Notes Cont.

- ▶ Bur Oak will grow almost anywhere! A very good shade tree but loses its leaves early. Acorns are identifiable.
- ▶ Red Oak is very scant on branches, thus you can see through the branches & leaves. Grass can be planted under this great oak.
- ▶ Black Locust are not permitted within ACHD ROW.
- ▶ Willows are not permitted within ACHD ROW or islands.
- ▶ Corkscrew Willow branches are often used for indoor décor, their irregular twisting branches are very unique.
- ▶ Globe Willow are often used because of their perfectly round head. Great as a screen or wind block.
- ▶ Linden's - Basswoods have BIG leaves, great whittling wood & makes very good honey. Redmon is a very good cultivator. Little Leaf is a good shade tree with little, shiny leaves that become matte.
- ▶ Silver Leaf - Not the prettiest of Linden's; branches are pale silver on one side & glossy green on the other, giving the effect of flowers as the wind blows. However, it is one of the hardiest & most tolerant of Kuna soil.

# Additional Options & Special Notes Cont.

- ▶ Chinese Elm - Seems to be more disease resistant than other elms, grows up to 50 ft high, is drought tolerant & a good shade tree.
- ▶ Elms are not permitted within ACHD ROW or islands.
- ▶ Conifers are not permitted within ACHD ROW or islands.