

# THE LOUISVILLE ARBORETUM

*The Louisville Arboretum is an invaluable educational resource, a place for people to gather and a quiet sanctuary that contributes to the quality of life in Louisville. It is both open space and a park, but is unique in its focus and management.*



Louisville Arboretum

*Located on Via Appia Behind the Skate Park and Recreation Center*

## City of Louisville

Mayor, Mr. Chuck Sisk

Louisville City Council

Parks & Recreation  
Department

Horticulture and  
Forestry Advisory  
Board



September 2005



## **Highlights**

- *Recently completed the Xeric Demonstration Garden.*
- *The tree and plant species selected are most suitable for Louisville landscapes.*
- *Currently there over 300 species of trees, shrubs and flowers growing in the Arboretum.*
- *The goal is to have the hardscape completed by 2008-09.*
- *The Louisville Arboretum is a place for education, scientific study, gatherings and meditation.*



## TABLE OF CONTENTS

- Where is the Louisville Arboretum?
- What is the Louisville Arboretum?
- What is the Arboretum's history?
- What is the mission for the Arboretum?
- What is the plan for the Arboretum?
- What is the proposed budget and schedule for Arboretum projects?
- What is Louisville's vision for the Arboretum?
- Table of Trees



## WHERE IS THE LOUISVILLE ARBORETUM?

The Louisville Arboretum is located on Via Appia between the Police Station and the Recreation Center. The parking entrance is the same entrance as that used for the skate park. Once you are in the parking lot, cross the pedestrian bridge just south of the skate park to access the Arboretum.



## WHAT IS THE LOUISVILLE ARBORETUM?

The Louisville Arboretum provides a landscaped space where trees, shrubs, and herbaceous plants are cultivated for educational purposes, scientific study, and aesthetic appreciation. The arboretum features trees that have desirable characteristics for the semi-arid climate of Louisville, and also includes botanical displays of flowers and shrubs that have been selected because of their ability to thrive in this environment. The current list of tree species is presented in the Table of Trees at the end of this presentation.



### WHAT IS THE MISSION OF THE LOUISVILLE ARBORETUM?

The mission of the Louisville Arboretum is to connect the citizens of Louisville and visitors with trees and plants that are adaptive to Colorado. One purpose of this mission is to foster an understanding about the need for water conservation in our dry, high-altitude environment and to provide citizens with examples to assist them in making wise choices for their own landscapes. Another purpose is to provide educators and students with a valuable resource to use for educational purposes and scientific study to learn more about how plants function, survive and thrive in this environment.

### WHAT IS THE ARBORETUM'S HISTORY?

The Arboretum was established in 1994 with an initial planting of trees. In 1999 the City continued the development of the Arboretum by providing \$62,000 of funding for tree planting, irrigation and construction. Since that time the projects have included additional planting of trees, installing signs that identify individual trees and plants,

establishing the xeriscape garden and on-going maintenance.

In 2005 the Horticulture and Forestry Advisory Board worked with a Colorado State University landscape design student to develop the design for the Arboretum. This design presents the existing and future features of the Arboretum and also provides a basis for the budget and schedule of projects.



### WHAT IS THE PLAN FOR THE ARBORETUM?

The plan is to complete the hardscape and major plantings by 2008-09 and then to develop the on-going management program.

The phases of the plan that have been completed to date include the initial establishment of selected trees, the creation of the xeric demonstration garden, the completion of the bridge and gateway to the arboretum and the construction of circular seating areas that can be used for classes, gatherings and as a retreat for quiet reflection.

The hardscape and major plantings that remain to be completed include the Central Classroom Pergola, the Succulent-Cacti Garden, the Ground-Level Xeriscape Garden and the Rose Garden.

Once the foundation of hardscape and major plantings is completed, the on-going management will include maintenance and the acquisition, development and display of plants and plant communities that are most appropriate for cultivation in Louisville.



**WHAT IS THE PROPOSED BUDGET AND SCHEDULE FOR ARBORETUM PROJECTS?**

Project	Year	Cost
Central Classroom Pergola	2006	\$17,500
Succulent-Cacti Garden	2007	\$8,500
Ground-Level Xeriscape Garden	2008	\$15,600
Rose Garden	2009	\$6,300



**WHAT IS LOUISVILLE'S VISION FOR THE ARBORETUM?**

The Louisville Arboretum is relatively young, having been established in 1994. Many of the trees are in the initial stages of becoming established. The xeric demonstration garden was planted in 2004 and is a great success. The ultimate vision is that the Louisville Arboretum will mature into a beautiful and diverse display of tree, shrub and flower species that are most appropriate for our community. This will be accomplished through careful plant selection and the use of state-of-the-art water conservation and landscape management techniques. The arboretum will be an invaluable educational resource, a place for people to gather and a quiet sanctuary that will contribute to the quality of life in Louisville. It is both open space and a park, but will be unique in its focus and management.



LOUISVILLE ARBORETUM TABLE OF TREES	
Hardwood	Hardwood
Common Name	Botanical Name
Swamp White Oak	Quercus bicolor
Gambel Oak	Quercus gambelii
Little Walnut	Juglans microcarpa
Columnar English Oak	Quercus robur 'Fastigiata'
Northern Red Oak	Quercus rubra
Washington Hawthorn	Crataegus phaenopyrum
Cockspur Hawthorn	Crataegus crusgalli
Thornless Cockspur Hawthorn	Crataegus crusgalli inermis
River Hawthorn	Crataegus
Shadblow Serviceberry	Amelanchier canadensis
Aspen	Populus tremuloides
Western Hackberry	Celtis occidentalis
	Fraxinus pennsylvanica
Cimmaron Ash	Cimmaron
Swedish Columnar Aspen	Populus tremula 'Erecta'
Scarlet Oak	Quercus coccinea
Swamp White Oak	Quercus bicolor
	Acer negundo
Sensation Boxelder	'Sensation'
Cutleaf Weeping Birch	Betula pendula laciniata
Homestead Elm	Ulmus 'Homestead'
Homestead Elm	Ulmus 'Homestead'
Paper Birch	Betula papyrifera
Western River Birch	Betula occidentalis
Exotic	Exotic
Common Name	Botanical Name
Princeton Sentry Ginkgo	Ginkgo biloba 'Princeton Sentry'
Panicked Goldenraintree	Koelreuteria paniculata
	Pyrus calleryana 'Fauriei'
Korean Pea Pear	
Japanese Tree Lilac	Syringa reticulata
	Syringa reticulata 'Ivory Silk'
Ivory Silk Lilac	
American Yellow Wood	Cladrastis kentuckea
Ginkgo	Ginkgo Biloba
	Liriodendron tulipifera
Tuliptree	

Katsura Tree	Ceridiphyllum Japonica
Tuliptree	Liriodendron tulipifera
Turkish Filbert	Corylus colurna
Black Alder	Alnus glutinosa
European Pyramidal Hornbeam	Carpinus betulus 'Fastigiata'
European Hornbeam	Carpinus betulus
Thinleaf Alder	Alnus tenuifolia
Amur Maackia	Maackia amurensis
Hornbeam	Carpinus caroliniana
	Chionanthus virginicus
White Fringe Tree	
Pekin Tree Lilac	Syringa pekinensis
Pekin Tree Lilac	Syringa pekinensis
	Phellodendron amurense
Amur Corktree	
Mayday Tree	Prunus padus
	Xanthoceras sorbilfoloa
Yellowhorn	
Ornmental	Ornmental
Common Name	Botanical Name
	Robinia
Frisia Golden Locust	pseudoacacia 'Frisia'
	Liquidambar styraciflua
American Sweetgum	
Little Walnut	Juglans microcarpa
Hop Tree (Wafer Ash)	Ptelea trifoliata
Jeronimus Plains Cottonwood	Populus deltoides 'Jeronimus'
Dwarf Birch	Betula nana
Dwarf Birch	Betula nana
	Pyrus calleryana 'Autumn Blaze'
Autumn Blaze Pear	
Cornelian Cherry	
Dogwood	Cornus mas
Gray Dogwood	Cornus racemosa
Cumulus Serviceberry	Amelanchier laevis 'Cumulus'
Cole Form Serviceberry	Amelanchier 'Cole Form'
Robin Hill Serviceberry	Amelanchier 'Robin Hill'
	Morus alba var. tatarica
Russian Mulberry	
Weeping Japanese Pagodatree	Sophora japonica 'Pendula'
	Magnolia virginiana 'Sweet Bay'
Sweet Bay Magnolia	
Cardinal Royal Mountain Ash	Sorbus aucuparia 'Cardinal Royal'

Rivers Beech	Fagus sylvatica 'Rivers'
<b>Special Interest &gt; 30 feet</b>	<b>Special Interest &gt; 30 feet</b>
<b>Common Name</b>	<b>Botanical Name</b>
Bergeson Ash	Fraxinus pennsylvanica 'Bergeson'
Fall Gold Ash	Fraxinus nigra 'Fallgold'
Mancana Ash	Fraxinus mandshurica 'Mancana'
Dakotah Centennial Ash	Fraxinus pennsylvanica 'Dakota Centennial'
Pinion Pine	Pinus cembroides var. edulis
Kentucky Coffee Tree	Gymnocladus dioicus
Pecan	Carya illinoensis
Prairie Cascade Willow	Salix 'Prairie Cascade'
Weeping Willow	Salix alba 'Tristis'
Purple Robe Locust	Robinia pseudoacacia 'Purple Robe'
Red Horsechestnut	Aesculus carnea 'O'Neill'
Ohio Buckeye	Aesculus glabra
Pinion Pine	Pinus cembroides var. edulis
<b>Special Interest &lt; 30 feet</b>	<b>Special Interest &lt; 30 feet</b>
<b>Common Name</b>	<b>Botanical Name</b>
Aristocrat Pear	Pyrus calleryana 'Aristocrat'
Ivory Silk Lilac	Syringa reticulata 'Ivory Silk'
Bradford Pear	Pyrus calleryana 'Bradford'
Oakleaf Mountain Ash	Sorbus x hybrida
Canada Red Chokecherry	Prunus virginiana 'Canada Red'
Pink Princess Crabapple	Malus 'Pink Princess'
Montmorency Cherry	Prunus 'Montmorency'
Japanese Tree Lilac (clump)	Syringa reticulata
Brandywine Crabapple	Malus 'Brandywine'

Jewelberry Crabapple	Malus 'Jewelberry'
David Crabapple	Malus 'David'
Molten Lava Crabapple	Malus 'Molten Lava'
Stonehill Pear	Pyrus calleryana 'Stonehill'
Indian Summer Crabapple	Malus 'Indian Summer'
Indian Magic Crabapple	Malus 'Indian Magic'
Guinevere Crabapple	Malus 'Guinevere'
Red Jade Crabapple	Malus 'Red Jade'
Bechtel Crabapple	Malus 'Bechtel'
	Prunus cerasus 'Meteor'
Meteor Cherry	Prunus maackii
Amur Chokecherry	Prunus tomentosa
Nanking Cherry	Gleditsia triacanthos inermis 'Imperial'
Imperial Honeylocust	Gleditsia triacanthos inermis 'Skyline'
Skyline Honeylocust	Crataegus mordenensis 'Snowbird'
Snowbird Hawthorn	Crataegus rivularis
River Hawthorn	Pyrus ussuriensis
Chinese Pear	Pyrus calleryana 'Chanticleer'
Chanticleer Pear	Prunus americana
American Plum	Pyrus ussuriensis 'Mordak'
Prarie Gem Pear	Prunus 'Pipestone'
Pipestone Plum	Prunus 'Toka'
Toka Plum	Prunus cerasifera 'Newport'
Newport Plum	Crataegus mollis
Downy Hawthorn	Fraxinus nigra 'Fallgold'
Fallgold Ash	Malus 'Madonna'
Madonna Crabapple	Crataegus x mordenensis 'Toba'
Toba Hawthorn	Crataegus ambigua
Russian Hawthorn	Prunus nigra 'Princess Kay'
Princess Kay Plum	Prunus maackii
Amur Chokecherry	Pyrus ussuriensis 'Burgundy'
Burgundy Ussurian Pear	

