



Committee Members: Van Voorhis, Ken – Chairperson ___
Burt, Melissa ___
Davis, Garth ___
Lindstrom, Phil ___
Wright, Chris ___

Tree Committee of the Spokane Park Board
January 31, 2012 4:15 pm – 5:45 pm
Willow Room, Woodland Center
John A. Finch Arboretum
Angel Spell, Urban Forester

AGENDA

Action Items:

None

Discussion Items:

1. Street Tree List (attachment) – *Angel Spell (35 minutes)*
2. Conservation Land Stewardship Goals – *Garth Davis (25 minutes)*

Standing Report Items:

3. Citizen Advisory Committee Report – *Garth Davis (7 minutes)*
4. Urban Forestry Financial Report (attachment) – *Angel Spell (4 minutes)*
5. Urban Forestry Staff Report (attachment) – *Angel Spell (4 minutes)*
6. Roadmap to the Future Action Plan status report (attachment) – *Angel Spell (10 minutes)*

Agenda Subject to Change

Please note: Agenda is subject to change **AMERICANS WITH DISABILITIES ACT (ADA) INFORMATION:** The City of Spokane is committed to providing equal access to its facilities, programs and services for persons with disabilities. Individuals requesting reasonable accommodations or further information may call, write, or email Liane Carlson at (509) 625-6703; 808 W. Spokane Falls Blvd, Spokane, WA, 99201; or lcarlson@spokanecity.org. Persons who are deaf or hard of hearing may contact Liane Carlson at (509) 625-6703 through the Washington Relay Service at 7-1-1. Please contact us at least forty-eight (48) hours before the meeting date.

Monthly Report – January 25, 2012

Administration

1. Annual Report elements compiled (see page 2 attached here).
2. Drafted proposed street tree list for CAC & UFTC review.
3. Provided training and orientation to new staff members, Leesa and Shawn.

Education & Outreach

4. Met with the Education Subcommittee to select and staff outreach events in 2012 (tentative schedule attached here page 3). Staff is developing materials for our trade show display table.
5. Met with Ara Andrea and Dave Stephenson of IDL, Karen Haskew (Cd'A Urban Forester), and Garth Davis to identify potential field tour topics for the Society of American Foresters Annual Conference. Palisades Conservation Area, High Drive Bluffs, and San Souci are possible destination points. Also considering a "Walking Tour" product to offer conference attendees.

Partnerships

6. Met with representatives of WDNR, Spokane Conservation District, WSU Extension, NRCS, Fire District 10, APHIS, Avista, and Palisades Community to organize forest ecology and Firewise events scheduled May 11th & 12th in conjunction with Spokane County Wildfire Awareness Week. Events likely include agency presentations at Woodland Center, chipping event and fuels reduction demos at Palisades.
7. Met with The Lands Council to discuss preparation for upcoming NeighborWoods projects, Susie Forest projects, various grant opportunities, and the Urban Branches fund.

City Projects

8. Continued meetings with these groups/projects: Division Street Gateway, Low Impact Development, Interdepartmental Discussions, and Finch Arboretum Stream Bank Restoration & LID Education.
9. 7 Street Tree Permits in-progress for the following 2012 street bond projects: 2010-042 Cuba Street LID, 2010-121 Third Avenue from Division to Arthur, 2010-124 29th Avenue from grand to High Drive, 2010-126 Lidgerwood from North to Francis, 2010-134 Oak Street from 28th to Inland Empire Way, 2010-127 Adams from 21st to 15th, and 2006-117 Francis from Freya to Havana.

Operations – January 2012

10. Planting: None.
11. Pruning: None
12. Removal: 32 trees (Canada Island shoreline permit project)
13. Permits: Processed 5 street tree permits, representing 54 trees.

2011 ANNUAL REPORT for URBAN FORESTRY

Sustainable Growth through Collaboration and Cooperation, Outreach and Education

New Programs and Partnerships

- 🌳 The Lands Council and Urban Branches Spokane (MOU)
- 🌳 Geiger Corrections Nursery (Inter-local Agreement)
- 🌳 NeighborWoods (9 active citizen stewardship groups and growing)

Sustained and Strengthened Existing Partnerships

- 🌳 Washington Department of Natural Resources
- 🌳 Spokane County Conservation District
- 🌳 Community Canopy
- 🌳 The Susie Forest
- 🌳 Avista

Grant-funded Projects

- 🌳 Logan Neighborhood Pilot Project – An Urban Forest Resource Inventory
- 🌳 AmeriCorps Education and Outreach intern
- 🌳 Public Education Campaign

Sustainable Stewardship through Collaboration and Cooperation, Outreach and Education

Trees Planted (year-to-date)

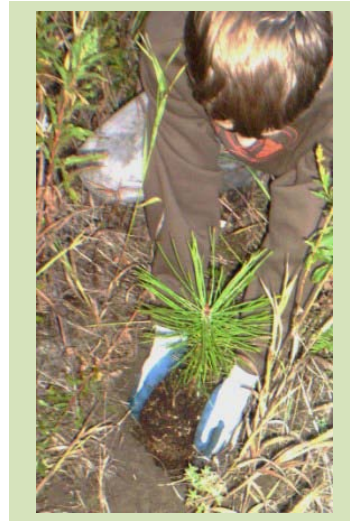
- 🌳 91 by Urban Forestry Staff
- 🌳 438 by Street Tree Permit
- 🌳 763 through partnership
- 🌳 10,000 on Reforest Spokane Day!

Trees Pruned (year-to-date)

- 🌳 467 by Urban Forestry Staff
- 🌳 1145 by Street Tree Permit

Trees Removed (year-to-date)

- 🌳 278 by Urban Forestry Staff
- 🌳 235 by Street Tree Permit
- 🌳 25 Acres of forest ecology/fuels reduction



CALENDAR OF EVENTS for URBAN FORESTRY COMMUNITY OUTREACH

March

Inland Empire Garden Show – March 1 – Mirabeau Point Park - 2426 N. Discovery Place (Marilyn) 6-9 pm

April

Earth Day – April 21 (tentative) – Downtown (Tim)

Arbor Day – April 21 (tentative) – Downtown

Master Gardeners Open House - 222 N. Havana (Tim) 9-2 pm

May

Palisades Project/Wildfire Awareness Week – May 11 – Finch Arboretum Woodland Center

Garden Expo – May 12- Spokane Community College (Marilyn) 9am- 5 pm

June

ArtFest - June 2 – Coeur d’Alene Park

Pride Parade & Rainbow Festival – June 9 – Riverfront Park

August

Kids Day - August 11 - Riverfront Park

September

Sustainable September Main Street Fair – September 8

October

Fall Leaf Festival & Compost Fair – Oct 27 - Finch Arboretum

December

Manito Conservatory – December 15-22 (tentative) – Manito Conservatory

Roadmap to the Future Action Plan 2010-2012 – Urban Forestry Organizational Priority I. "Take Care of What We Have"

Goal If. Maximize Urban Forestry level of service through sustainable revenues

<u>What (behavior) and How (condition)</u>	<u>Who (audience)</u>	<u>Timeline (degree)</u>	<u>Status (% Complete)</u>
Actions			
i. Pursue additional revenues by meeting with City Department leaders.	Urban Forestry staff	4Q 2010	100%
ii. Identify levels of service using the Tree Management Planning Tool.	Urban Forestry staff	4Q 2010	0% (Annual Work Plan sub.)
iii. Evaluate and prioritize alternative revenues sources such as capabilities of community based partners, private funding, grant availability, donations, etc.	Urban Forestry staff	2Q 2011	100%
iv. Provide the type and level of service that the associated revenue source supports.	Urban Forestry staff	1Q 2012	0%
v. Pursue City inter-fund revenues to Urban Forestry by providing quality arboriculture services at a competitive rate.	Urban Forestry staff	1Q 2011	25%
vi. Increase revenues of the donation programs such as Susie Forest, Reforest Spokane, and Utility Billing through the NeighborWoods program and strategic marketing.	Urban Forestry staff	ongoing - 5 contacts/month	Continuous Improvement

Goal Ig. Facilitate collaboration and cooperation between city departments, local and regional agencies, other organizations, stakeholders, and media outlets on issues and projects involving trees

<u>What (behavior) and How (condition)</u>	<u>Who (audience)</u>	<u>Timeline (degree)</u>	<u>Status (% Complete)</u>
Actions			
i. Formalize plan review process to ensure the Urban Forester's review of City projects and ongoing participation.	Urban Forestry staff	4Q 2010	25% (ELI in-progress)
ii. Work with Urban Forestry to complete a tree protection plan for all future park land projects.	Parks staff	1Q 2011	0%
iii. Identify funding to complete a Park Tree Inventory.	Urban Forestry & Parks staff	3Q 2011	100%
iv. Formalize relationships with City departments, government agencies, non-profit groups and private organizations through signed agreements and/or contracts..	Urban Forestry staff	1Q 2012	75%
v. Incorporate Urban Forestry goals and policies into the City's Growth Management Plan, Comprehensive Plan and Master Shoreline Plan.	Urban Forestry staff	4Q 2012	0%

Goal Ih. Improve Urban Forestry community education and outreach

<u>What (behavior) and How (condition)</u>	<u>Who (audience)</u>	<u>Timeline (degree)</u>	<u>Status (% Complete)</u>
Actions			
i. Develop and implement a recruitment plan for volunteer citizen stewardship activities through our community partners and NeighborWoods.	Urban Forestry staff	2Q 2011	15%
ii. Facilitate citizen stewardship through our community partners and the NeighborWoods program.	Urban Forestry staff	2Q 2011	100%
iii. Increase public participation in events and programs such as Arbor Day Celebration, Fall Leaf Festival, Heritage Tree, and NeighborWoods.	Urban Forestry staff	ongoing - quarterly	Continuous Improvement

Goal Ii. Improve the quality of the Urban Forest in ways that increase environmental, economic, and social benefits to the Spokane community

<u>What (behavior) and How (condition)</u>	<u>Who (audience)</u>	<u>Timeline (degree)</u>	<u>Status (% Complete)</u>
Actions			
i. Develop a forest management plan for all undeveloped park land in collaboration with Urban Forestry, Spokane County Conservation District, and WDNR.	Parks staff	4Q 2011	15%
ii. Develop a clear comprehensive hazard tree mitigation policy.	Urban Forestry staff	4Q 2012	0%
iii. Enhance the existing cyclic pruning program for park trees and develop a similar program for other public trees.	Urban Forestry staff	1Q 2012	0%
iv. Complete an inventory of Spokane's street trees and park trees with grant funding.	Urban Forestry staff	4Q 2012	8% (Logan & CBD complete)
v. Develop a Master Planting Plan using tree inventory data.	Urban Forestry staff	4Q 2012	0%

Recommended Street Tree List - DRAFT 1/25/2012

Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
REMOVE	Red Buckeye <i>Aesculus pavia</i>	20'	20'	-20	5a	5'	I	Not available. Shrubby habit.
Retain	Apple Serviceberry <i>Amelanchier x grandiflora</i>	20'	15'	-30	4a	5'	I	
Retain	Allegheny Serviceberry <i>Amelanchier laevis</i>	25'	20'	-30	4a	5'	I	
Retain	American Hornbeam <i>Carpinus caroliniana</i>	25'	25'	-35	3b	5'	I	
Retain	Pagoda Dogwood <i>Cornus alternifolia</i>	25'	20'	-30	4a	5'	I	
Retain	Kousa Dogwood <i>Cornus kousa</i>	25'	20'	-20	5a	5'	I	
Retain	Golden Glory Dogwood <i>Cornus mas 'Golden Glory'</i>	20'	15'	-25	4b	5'	I	
ADD	Thornless Cockspur Hawthorn <i>Crataegus crus-galli var. inermis</i>	25'	25'	-30	4a	5'	I	
ADD	Crimson Cloud Hawthorn <i>Crataegus laevigata 'Crimson Cloud'</i>	25'	20'	-30	4a	5'	I	
Retain	Lavalle Hawthorn <i>Crataegus x lavalleyi</i>	25'	20'	-30	4a	5'	I	
ADD	Winter King Hawthorn <i>Crataegus viridis 'Winter King'</i>	20'	25'	-30	4a	5'	I	

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Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
REMOVE	Thicket Hawthorn 'Ohio Pioneer' <i>Crataegus punctata</i> var. <i>inermis</i>	20-30'	25-35'	-20		5'	I	Not available.
REMOVE	Winterberry Euonymus <i>Euonymus bungeanus</i>	20'	20'	-20		5'	I	Not available. Shrubby.
REMOVE	European Euonymus <i>Euonymus europaeus</i>	15-30'	10-20'	-30		5'	I	Not available. Invasive.
REMOVE	Korean Evodia <i>Evodia daniellii</i>	25-30'	25-30'	-20		5'	I	Not available. Weak-wooded. Short-lived. Questionable hardiness.
ADD	Globehead European Ash <i>Fraxinus excelsior</i> 'Globosa'	20'	18'	-15	5b	5'	I	EAB?
Retain	Golden Desert Ash <i>Fraxinus excelsior</i> 'Aureafolia'	20'	18'	-15	5b	5'	I	EAB?
Retain	Leprechaun Ash <i>Fraxinus pennsylvanica</i> 'Johnson'	18'	16'	-25	4b	5'	I	EAB?
Retain	Amur Maackia <i>Maackia amurensis</i>	25'	20'	-25	4b	5'	I	
Retain	Merrill Loebner Magnolia <i>Magnolia x loebneri</i> 'Merrill'	25'	25'	-30	4a	5'	I	
REMOVE	Yulan Magnolia <i>Magnolia denudata</i>	35'	30'	-30		5'	I	Not available.
REMOVE	Elizabeth Magnolia <i>Magnolia x 'Elizabeth'</i>	30-40'	20'	-30		5'	I	Not available.
Retain	Galaxy Magnolia <i>Magnolia x 'Galaxy'</i>	25'	15'	-20	5a	5'	I	

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Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
Retain	Royal Star Magnolia <i>Magnolia stellata 'Royal Star'</i>	20'	15'	-25	4b	5'	I	
Retain	Flowering Crabapple <i>Malus species</i>	15'-25'	10'-20'	-25	4b	5'	I	Cultivars must show good to excellent disease resistance to scab, fireblight, rust, & mildew.
Retain	Cascade Snow Cherry <i>Prunus 'Berry'</i>	25'	20'	-20	5a	5'	I	
ADD	Snow Goose Cherry <i>Prunus 'Snow Goose'</i>	20'	20'	-20	5a	5'	I	
Retain	Prairie Gem Pear <i>Pyrus ussuriensis 'Mordak'</i>	25'	20'	-40	3a	5'	I	
ADD	Rocky Mountain Glow Maple <i>Acer grandidentatum 'Schmidt'</i>	25'	15'	-25	4b	5'	I	
ADD	Paperbark Maple <i>Acer griseum</i>	25'	20'	-20	5a	5'	I	
ADD	Peking Tree Lilac <i>Syringa pekinensis</i>	20'	20'	-20	5a	5'	I	
Retain	Japanese Tree Lilac <i>Syringa reticulata</i>	25'	20'	-20	5a	5'	I	
ADD	City Sprite™ Zelkova <i>Zelkova serrata 'JFS-KW1' P.A.F.</i>	25'	18'	-20	5a	5'	I	
ADD	Wireless® Zelkova <i>Zelkova serrata 'Schmidtlow'</i>	25'	35'	-20	5a	5'	I	

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Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
ADD	Hedge Maple <i>Acer campestre</i>	30'	30'	-20	5a	5-8'	II	
REMOVE	Italian Alder <i>Alnus cordata</i>	30-45'	25-35'	-15		5-8'	II	Not available.
REMOVE	Black Alder <i>Alnus glutinosa</i>	40-50'	30-35'	-30		5-8'	II	Not available.
Retain	European Hornbeam <i>Carpinus betulus</i>	40'	25'	-20	5a	5-8'	II	
ADD	Hackberry <i>Celtis occidentalis</i>	45'	35'	-35	3b	5-8'	II	
Retain	Katsuratree <i>Cercidiphyllum japonicum</i>	50'	30'	-20	5a	5-8'	II	
Retain	American Yellowwood <i>Cladrastis lutea</i>	30-50'	40-55'	-20	5a	5-8'	II	
Retain	Turkish Filbert <i>Corylus colurna</i>	50'	30'	-20	5a	5-8'	II	
Retain	Hardy Rubber Tree <i>Eucommia ulmoides</i>	45'	45'	-20	5a	5-8'	II	
Retain	European Beech <i>Fagus sylvatica</i>	50'	40'	-20	5a	5-8'	II	
Retain	White Ash <i>Fraxinus americana</i>	45-55'	30-40'	-25	4b	5-8'	II	EAB?
Retain	Blue Ash <i>Fraxinus quadrangulata</i>	40-50'	30-35'	-25	4b	5-8'	II	EAB?

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Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
Retain	Green Ash <i>Fraxinus pennsylvanica</i>	45-50'	25-35'	-30	4a	5-8'	II	EAB?
Retain	Maidenhair Tree <i>Ginkgo Biloba</i>	45'	30'	-25	4b	5-8'	II	
ADD	Thornless Honeylocust <i>Gleditsia triacanthos var. inermis</i>	45'	35'	-25	4b	5-8'	II	
Retain	Carolina Silverbell <i>Halesia tetraptera/ carolina/ monticola</i>	35'	25'	-20	5a	5-8'	II	
ADD	Goldenrain Tree <i>Koelreuteria paniculata</i>	30'	30'	-20	5a	5-8'	II	
Retain	Korean Mountain Ash <i>Sorbus alnifolia</i>	40'	30'	-30	4a	5-8'	II	
Retain	Tupelo or Black Gum <i>Nyssa sylvatica</i>	40'	25'	-20	5a	5-8'	II	
Retain	American Hophornbeam <i>Ostrya virginiana</i>	40'	25'	-30	4a	5-8'	II	
Retain	Persian Parrotia <i>Parrotia persica</i>	30'	20'	-20	5a	5-8'	II	
REMOVE	Amur Cork Tree <i>Phellodendron amurense</i>	40'	35'	-30	4a	5-8'	II	Great park tree, not a street tree. Potential for escape.
ADD	Sargent Cherry <i>Prunus sargentii</i>	30'	25'	-30	4a	5-8'	II	
Retain	Sawtooth Oak <i>Quercus acutissima</i>	45'	45'	-20	5a	5-8'	II	

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Retain	Chinkapin Oak <i>Quercus muehlenbergii</i>	45'	45'	-20	5a	5-8'	II	
REMOVE	Sassafras					5-8'	II	Rarely available. Difficult to transplant & establish.
Retain	American Linden <i>Tilia americana</i>	45'	30'	-35	3b	5-8'	II	
Retain	Littleleaf Linden <i>Tilia cordata</i>	40'	30'	-30	4a	5-8'	II	
Retain	Sterling Silver Linden <i>Tilia tomentosa 'Sterling'</i>	45'	35'	-20	5a	5-8'	II	
ADD	Frontier Elm <i>Ulmus x 'Frontier'</i>	40'	30'	-20	5a	5-8'	II	
ADD	Chinese Elm <i>Ulmus parvifolia</i>	45'	30'	-20	5a	5-8'	II	Cultivars must show resistance to Dutch Elm Disease and Phloem Necrosis
ADD	Prospector Elm <i>Ulmus wilsoniana 'Prospector'</i>	40'	30'	-25	4b	5-8'	II	

Recommended Street Tree List - DRAFT 1/25/2012

Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
ADD	Sugar Maple <i>Acer saccharum</i>	50'	40'	-25	4b	8+	III	
REMOVE	Bitternut Hickory <i>Carya cordiformis</i>	50-75'	35-50'	-20		8+	III	Not available
REMOVE	Shagbark Hickory <i>Carya ovata</i>	100'-125'	25'	-20		8+	III	Not available
Retain	European Beech <i>Fagus sylvatica</i>	50'	40'	-30	4a	8+	III	
Retain	Kentucky Coffeetree <i>Gymnocladus dioicus</i>	50'	35'	-30	4a	8+	III	
REMOVE	Butternut <i>Juglans cinerea</i>	40-60'	30-50'	-30		8+	III	Not available
Retain	Black Walnut <i>Juglans nigra</i>	60'	50'	-20	5a	8+	III	
Retain	Tulip Tree <i>Liriodendron tulipifera</i>	60'	35'	-20	5a	8+	III	
REMOVE	Cucumbertree Magnolia <i>Magnolia acuminata</i>	50-80'	40-80'	-25		8+	III	Not available
Retain	Dawn Redwood <i>Metasequoia glyptostroboides</i>	70'	25'	-20	5a	8+	III	
Retain	Bloodgood London Planetree <i>Plantanus x acerifolia 'Bloodgood'</i>	60'	50'	-15	5b	8+	III	
Retain	Swamp White Oak <i>Quercus bicolor</i>	50'	40'	-30	4a	8+	III	

Recommended Street Tree List - DRAFT 1/25/2012

Action	Common Name <i>Scientific Name</i>	Height (ft.)	Spread (ft.)	Hardiness (degrees)	USDA Zone	Min Planter Width	Class	Notes
Retain	Shingle Oak <i>Quercus imbricaria</i>	50'	40'	-20	5a	8+	III	
REMOVE	Chestnut Oak <i>Quercus prinus</i>	50-60'	50-60'	-20		8+	III	Not available
Retain	English Oak <i>Quercus robur</i>	50'	40'	-20	5a	8+	III	
Retain	Red Oak <i>Quercus rubra</i>	50'	45'	-30	4a	8+	III	
Retain	Shumard Oak <i>Quercus shumardii</i>	50'	40'	-20	5a	8+	III	
Retain	White Oak <i>Quercus alba</i>	60'	50'	-30	4a	8+	III	
Retain	Bur Oak <i>Quercus macrocarpa</i>	60'	50'	-40	3a	8+	III	
Retain	Japanese Pagoda Tree <i>Sophora japonica</i>	50'	40'	-15	5b	5-8'	III	
Retain	Accolade Elm <i>Ulmus japonica x wilsoniana 'Morton'</i>	70'	60'	-30	4a	8+	III	
Retain	Pioneer Elm <i>Ulmus x 'Pioneer'</i>	50'	50'	-20	5a	8+	III	
Retain	Japanese Zelkova <i>Zelkova serrata</i>	50'	40'	-20	5a	8+	III	

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CITY OF SPOKANE
EXPENDITURE SUMMARY REPORT THRU PERIOD 13 2011

DATE: 01/05/12
 TIME: 11:44
 PAGE: 1

DEPARTMENT: 1390 URBAN FORESTRY FUND PROGRAM: 54961 URBAN FORESTRY

FNC TYPE	DESCRIPTION	NO OF	YTD	YTD NET	YTD	OUTSTANDING	UNENCUMBERED	%
CLS		POS	BUDGET CHANGE	BUDGET AMOUNT	EXPENDITURES	ENCUMBRANCES	BALANCE	USED

76950	URBAN FORESTRY							

** 51000	SALARIES & WAGES	2.00	7,700-	** 175,606 **	180,893.19 **	**	5,287.19-	**103
** 52000	PERSONNEL BENEFITS			** 48,182 **	51,372.14 **	**	3,190.14-	**107
** 53000	SUPPLIES		8,500-**	15,600 **	4,047.83 **	5,993.18 **	5,558.99 **	64
** 54000	OTHER SERVICES & CHARGES		7,700 **	18,071 **	17,475.06 **	75.00 **	520.94 **	97
** 59000	INTERFUND PAYMENT FOR SERVICES			** 31,476 **	40,368.37 **	**	8,892.37-	**128
	FUNCTION TOTAL	2.00	8,500-	288,935	294,156.59	6,068.18	11,289.77-	104

94000	CAPITAL OUTLAY							

** 56000	CAPITAL OUTLAY		9,500 **	9,500 **	2,343.38 **	**	7,156.62 **	25
** 80000	OTHER FINANCING USES			** 8,500 **	8,500.00 **	**		**
	FUNCTION TOTAL			8,500	8,500.00			
	PROGRAM TOTAL	2.00	1,000	306,935	304,999.97	6,068.18	4,133.15-	101

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CITY OF SPOKANE
EXPENDITURE SUMMARY REPORT THRU PERIOD 13 2011

DATE: 01/05/12
 TIME: 11:44
 PAGE: 2

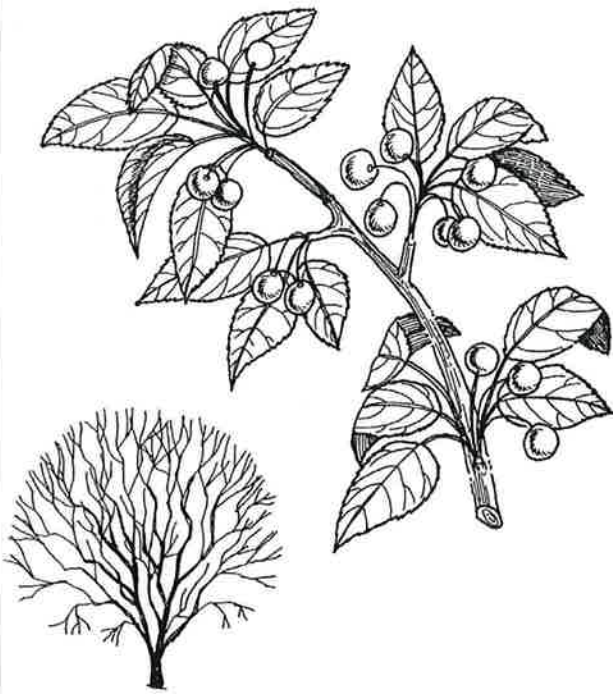
DEPARTMENT: 1390 URBAN FORESTRY FUND PROGRAM: 95497 DEPT NATURAL RESOURCES-USDA

FNC TYPE	DESCRIPTION	NO OF	YTD	YTD NET	YTD	OUTSTANDING	UNENCUMBERED	%
CLS		POS	BUDGET CHANGE	BUDGET AMOUNT	EXPENDITURES	ENCUMBRANCES	BALANCE	USED
76950	URBAN FORESTRY							
** 51000	SALARIES & WAGES			**	52.67 **	**	52.67	*****
** 52000	PERSONNEL BENEFITS			**	17.00 **	**	17.00	**
** 54000	OTHER SERVICES & CHARGES		8,500 **	17,500 **	17,447.50 **	52.50 **		**
** 59000	INTERFUND PAYMENT FOR SERVICES			**	1,000 **	**	1,000.00	**
	FUNCTION TOTAL		8,500	18,500	17,517.17	52.50	930.33	95
	PROGRAM TOTAL		8,500	18,500	17,517.17	52.50	930.33	95
	DEPARTMENT TOTAL	2.00	9,500	325,435	322,517.14	6,120.68	3,202.82	101

DESIGN OPTION 'A'

Crabapple, Red Flowering

Botanical Name: Malus spp.



Family	Rosaceae	Fall Color	Yellow/brown
Form	Varies w/ variety	Seed	Small apple
Size	15-25 ft. high 15-25 ft. spread	Flower	Light pink to rosy red

● Characteristics

Selection of the variety of this popular small tree is usually based on flower color (varies from light pink to rosy-pink to deeper shades of red) and fruit color (red or orange) and persistence (clinging or falling in winter). Apples can be a favorite of birds. Can be very beautiful.

● Growing Conditions (Hardy in Zones 3-6)

Water: Quite drought tolerant in maturity.
Light: Full sun.
Soil: Well-drained, acidic soil is best. Quite adaptable however.

● Growth Rate

Medium/fast, depending on variety. Short-lived to at most 50 years.

● Disease and Insect Pests

Fireblight can be a serious disease as can cedar-apple rust and apple scab. Borers, scale and aphids are among the common insect pests.

● Commonly Available Varieties

'Prairiefire' - pink/red flowers with red persisting fruit.
'Robinson' - deep pink flowers with red persisting fruit.
'Indian Summer' - rose red flowers with bright red persisting fruit.
'Strawberry Parf.' - pink flowers; yellow fruit not persisting.
'Purple Prince' - purple-leaf form; maroon fruit not persisting.
'Coralburst' - rose-pink flowers; bronze, non-persisting fruit.

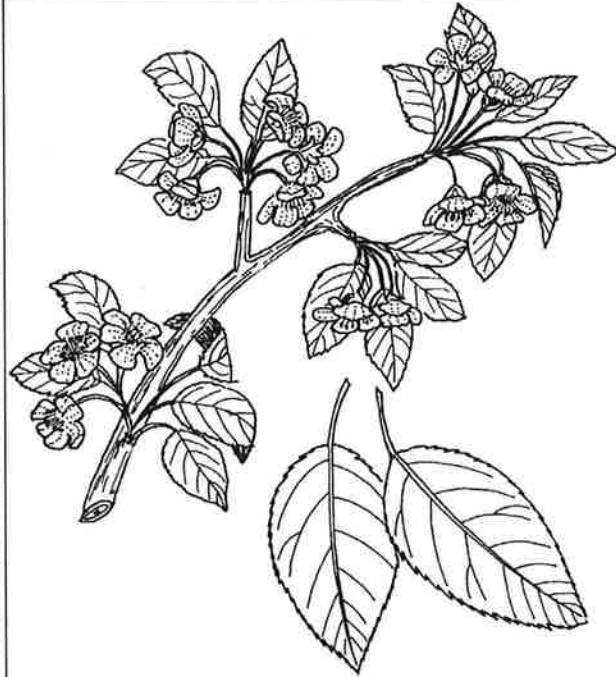
● Where to See

- West side of Capitol Blvd. - across from BSU



Crabapple, White Flowering

Botanical Name: Malus spp.



Family	Rosaceae	Fall Color	Yellow/brown
Form	Varies w/ variety	Seed	Small apple
Size	15-25 ft. high 15-25 ft. spread	Flower	White fragrant spring bloom

● Characteristics

Same characteristics as those under Red Flowering Crabapple, except flower color is pure white. Fruit color among the varieties are red, orange or gold and winter persistence of the fruit on the tree also differs, some remaining until spring. Again, apples edible to birds.

● Growing Conditions (Hardy in Zones 3-6)

Water: Quite drought tolerant in maturity.
Light: Full sun.
Soil: Well-drained, acidic soil is best. Quite adaptable however.

● Growth Rate

Medium/fast, depending on variety. Short-lived to at most 50 years.

● Disease and Insect Pests

See under Red Flowering Crabapple.

● Commonly Available Varieties

'Donald Wyman' - excellent selection, bright red persisting fruit.
'sargentii' - dwarf spreader, 8-10 ft. high, red persisting fruit.
'Spring Snow' - carries almost no fruit; good patio tree.
'Red Jewel' - heavy flower and fruit producer; bright red fruit.
'Adirondack' - heavy flowering, compact form; bright red fruit.
'Harvest Gold' - somewhat columnar form; gold, persisting fruit.
'transitoria' - 'Schmidtcutleaf' has tiny golden fruit & is cut-leaf.

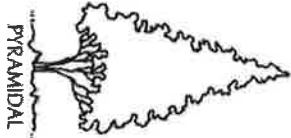
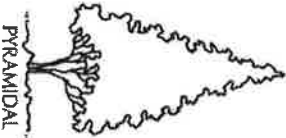
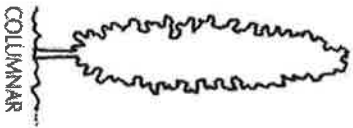
● Where to See

- In front of BSU Student Union Building



DESIGN OPTION 'B'

APPROVED CLASS II TREES - MINIMUM PLANTING WIDTH 5-8'

Common Name Scientific Name	Form	Growth	Characteristics
Italian Alder <i>Alnus cordata</i>	 PYRAMIDAL	Height: 30-45' Spread: 25-35' Hardiness: -15 Zone: 5-7 Min. Planting Width: 5-8' Swale Suitability: This is a water loving tree.	<p>A pyramidal to pyramidal rounded tree with a rather dense canopy for alders. Leaves are spade shaped and finely toothed, dark green and lighter underneath. Trees are compared in outline to Little Leaf Lindens and Common Pear in appearance. Will tolerate poor soil conditions and does best near water. Little used, but highly recommended for urban landscapes. This is a water loving tree.</p>
Black Alder <i>Alnus glutinosa</i>	 PYRAMIDAL	Height: 40-50' Spread: 30-35' Hardiness: -30 Zone: 4-7 Min. Planting Width: 5-8' Swale Suitability: This is a water loving tree.	<p>Fast growing tree with a broadly pyramidal habit, somewhat irregular. Dark green leaves change to yellow in the fall. These trees thrive near water and perform well in poor soils. Good tree for an alternative to willows and other poplars. The 'Pyramidalis' cultivar has an excellent narrow form and recommended for confined space areas. This is a water loving tree.</p>
'Pyramidalis'	 COLUMNAR	Height: Spread: Hardiness: Zone: 4-7 Min. Planting Width: 5-8' Swale Suitability:	<p>Drought resistant, pH adaptable (Dirr)</p>

DESIGN OPTION 'C'

Class II Trees (description? ex: Medium Stature..)

Common Name Scientific Name	Ht. (ft.)	Spread (ft.)	Hardiness (degrees & zone)	Min. Planter Width	Swale Suitability	Characteristics	Quick Look Icons
Italian Alder <i>Alnus cordata</i>	30-45'	25-35'	-15 USDA 6a-9b	5-8'	loving water tree.	A pyramidal to pyramidal rounded tree with a rather dense canopy for alders. Leaves are spade shaped and finely toothed, dark green and lighter underneath. Trees are compared in outline to Little Leaf Lindens and Common Pear in appearance. Will tolerate poor soil conditions and does best near water. Little used, but highly recommended for urban landscapes. This is a water loving tree.	
Black Alder <i>Alnus glutinosa</i>	40-50'	30-35'	-30	5-8'	loving water tree.	Fast growing tree with a broadly pyramidal habit, somewhat irregular. Dark green leaves change to yellow in the fall. These trees thrive near water and perform well in poor soils. Good tree for an alternative to willows and other poplars. The 'Pyramidalis' cultivar has an excellent narrow form and recommended for confined space areas. This is a water loving tree.	
'Pyramidalis'				5-8'			
Flowering Pear				5-8'		High maintenance	
European Hornbeam <i>Carpinus betulus</i>	25-40'	25-35'	-20	5-8'		Pyramidal shape, quite dense with dark green leaves. Fall color is usually yellow but during cold winters can turn dark red. Heat and drought resistant.	
F. 'Fastigiata' this must be wrong?				5-8'		F. 'Fastigiata' this must be wrong? , a columnar cultivar is taller, and in youth spreads 15', but tree will eventually become wide. Branching must begin at 5' or above if planted as a street tree.	