

**APPENDIX A:**  
**OFFICIAL SCHEDULE of USES**





# Albion Zoning Ordinance



PRIMARY USE <i>P = Permitted Use</i> <i>S = Special Exception Use</i>	ZONING DISTRICT												
	A	R1	R2	R3	R4	R5	MH	CS	CG	CO	CH	IL	IH
Airport	S												
Agricultural Industry, CFO or CAFO													
Agricultural, Crop Production (including tree farms)	P	S	S	S	S	S	S		S	S	S	P	P
Agricultural, Farm Implement Sales or Service	P										P	P	P
Agricultural, Grain Processing or Milling	P												
Agricultural, Grazing or Pasture Land	P	S	S	S	S	S			S	S	S	S	S
Amphitheater	S										S		
Animal Shelter	P										S	S	S
Animal, Clinic or Hospital (small animals) with outdoor Kennels	P											S	S
Animal, Clinic or Hospital (small animals) without outdoor Kennels	P								S		P	P	P
Animal, Grooming	P	S	S						P		P	P	P
Animal, Kennel, Indoor (including doggy daycare)	P										S	S	S
Animal, Kennel, Outdoor (including doggy daycare)	P												S
Animal, Pet Store									S		P		
Animal, Poultry Dressing	S												
Animal, Riding Stables	P	S										S	S
Animal, Sales Barn for Livestock	S												
Animal, Slaughter House												S	S
Animal, Veterinary, Large-animal	P										S	P	P
Antique Shop					S	S		P	S		P		
Apparel and Accessories					S	S		P	P				
Apparel, Alterations/Tailoring					S	S		P	P		P	P	
Appliance Repair								P	S		P	P	S
Appliance Store								P	S		P		
Arcade								S	S		S	S	
Asphalt or Ready-Mix Plant													S
Assisted Living Facility	S			S	S	S			S		S		
Auction House	S											P	P
Auditorium											S		
Automotive Parts Store (without on-site repair services)											P	P	P
Automotive, Car Wash									S		P	P	
Automotive, Major Service (e.g. Body Shop)											S	P	P
Automotive, Minor Service (e.g. Oil Changes and Tires & Detailing)											P	P	P
Automotive, Recreational Vehicle Sales or Service											S	S	P
Automotive, Rental (automobiles only)											S	P	P
Automotive, Sales or Lease											S	P	P
Automotive, Storage (does not include Rental Establishments)												S	S
Automotive, Towing Service												S	P
Automotive, Truck or Bus Rental, Sales or Service												S	S
Bait sales	S							P	P	P	P		
Bakery, Commercial											P	P	P
Bakery, Retail					S	S		P	P	P	P		
Banquet Hall/Reception Center	S							S	S		P		
Bar or Tavern								S	S	S	S	S	
Barber or Beauty Shop					S	S		P	P	S	P		
Bed & Breakfast Establishment	S	S	S	S	S	S		S	P				
Bicycle Sales, Rental or Service					S	S		P	P	S	P	S	S
Billiard Hall								S	S		S	S	
Boarding or Lodging House	S				S	S		S	S	S	S		
Boat or Boat Trailer Sales or Service	S										S	P	S
Boat Storage, Outdoor	S											S	P

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	A	R1	R2	R3	R4	R5	MH	CS	CG	CO	CH	IL	IH
Book Store (including stationary)					S	S		P	P	P	P		
Bottled Gas Storage or Distribution													S
Bottling, Beverages (alcoholic or non-alcoholic)												S	P
Bowling Alley								S	S		P	S	
Brewery, Industrial Brewery or Distillery													S
Brewery, Micro-Brewery								S	S	S	P	S	
Camp, Public or Private (excluding RV campgrounds)													
Catering Facility								S	S	S	S	P	
Child Care Center	S				S	S		S	P	S	P	S	
Cigarette, Cigar, Vaping Store								S			S	S	S
Club or Lodge, Private or Public								S	S	S	S	S	
Coffee Shop					S	S		P	P	P	P	P	
Collection Point, Donations (excluding retail establishments)						S		S	S	S	P	P	P
Community Center		S	S	S	S	S		S	S	S	P		
Confectionery, Commercial (e.g. candy factory)								S	S		S	S	P
Confectionery, Retail (e.g. candy shop)					S	S		P	P	S	P		
Conference Center								S	S	P	P	P	S
Construction, Building Materials Sales Yard	S								S	S	S	P	P
Construction, Flooring Store											P	P	P
Construction, Paint or Wall Covering Store											P	P	P
Contractor, Commercial											S	S	P
Contractor Equipment Storage Building or Yard	S											S	S
Convenience Store, with Gasoline Service or Sales								S	S	S	P	S	P
Convenience Store, without Gasoline Service or Sales					S	S		S	S	P	P	S	
Crematory												P	P
Dairy, Sales	P												
Data Processing Center										P	P	P	P
Daycare	S	S	S	S	S	S		S	S	S	P		
Department or Discount Store, 10,000 sq. ft. or greater (floor area)									S		P	P	
Department or Discount Store, less than 10,000 sq. ft. (floor area)					S	S		P	P	P	P	P	
Distribution Center, Enclosed (excluding Bottled Gas)												S	P
Distribution Center, Unenclosed (excluding Bottled Gas)													S
Driving Range (with or without miniature golf course)	S										S	P	
Dry Cleaning &/or Laundry, Commercial or Industrial											S	S	P
Dry Cleaning &/or Laundry, Retail					S	S		P	P	P	P	P	P
Dwelling, Fraternity or Sorority					S	S						P	
Dwelling, Multi-family				S	P	P							
Dwelling, Second Floor/Upper Level(s)				S	P	P		P	P	P	P		
Dwelling, Secondary Suite		S	S	S	S	S		S	S				
Dwelling, Single-family	P	P	P	P	S	S	P						
Dwelling, Student Housing				S	S	S							
Dwelling, Two-family				S	P	P			S				
Electrical Switching or Transforming Station	S											P	P
Electronics Store (excluding Department or Discount Stores)					S	S		P	P	P	P	P	
Emergency Services Facility or Station		S	S	S	S	S			S	P	P	P	P
Explosives, manufacturing, storage or use of													
Fairgrounds	S												
Farm	P												S
Farmer's Market, Permanent (enclosed only)	S				S	S		S	P	P	P		
Feed or Grain, storage & distribution	P												
Fertilizer, liquid storage, farm use only	P												

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	A	R1	R2	R3	R4	R5	MH	CS	CG	CO	CH	IL	IH
Fertilizer, liquid storage or distribution (commercial)	P											S	S
Financial Institution, Bank or Credit Union					S	S		P	P	P	P	P	P
Financial Institution, Payday Loan								S	S	S	S	S	S
Fire Arm/Gun Sales													S
Fireworks Sales, Permanent													
Fitness Center					S	S		P	S	P	P	P	P
Florist, Retail					S	S		P	P	P	P		
Florist, Wholesaler											S	P	P
Gallery, Art or Photo (excluding tattoo or piercing parlors)					S	S		P	P	P	P		
Gas Station								S	S	S	P	S	P
Golf Course (with or without driving range, may include country club)	S	S	S	S	S	S			S				
Government Facility (excluding Penal and Correctional Institutions)		S	S	S	S	S		S	S	P	P	P	S
Greenhouse, Commercial	S										S	P	P
Grocery Store or Supermarket (stand-alone)					S	S		S	S	S	P	P	
Group Home	S	S	S	S	S	S			S				
Gymnastics Center									S		P	P	P
Health or Day Spa (excluding sexually oriented businesses)					S	S		S	S	P	P	P	
Heavy Equipment, sales and service								S	S	S	S	S	P
Home Improvement, Retail (e.g. Hardware, Lawn & Garden Shop)								S	S		P	P	P
Hotel (excluding Extended Stay Hotels)								S	S	S	P	S	
Hotel, Extended Stay											S	S	S
Ice Manufacturer or Cold Storage								S	S	S	S	S	S
Ice Cream Shop, Retail					S	S		P	P	P	P	S	
Jewelry Store					S	S		P	P	P	P		
Junkyard/salvage yard													
Lake, artificial of 3 or more acres	S	S	S									S	
Library		S	S	S	S	S		S	S	P	P		
Liquor Store								S	S	S	P		
Lumber Yard												S	P
Mail Order Store								S	S	S	P	P	
Mall, Shopping											P		
Manufacturing, Light												P	P
Manufacturing, Heavy												S	P
Medical Hospital, Center or Complex 10,000 sq ft or greater											P	S	
Medical or Dental Clinic less than 10,000 sq ft (gross floor area)					S	S		P	P	P	P	S	
Miniature Golf Course (stand-alone)											P		
Mining or excavation													
Mobile Home								P					
Mobile Home Park (including Mobile Home Sales Offices)								P					
Monument Sales (excluding Manufacturing)													S
Mortuary or Funeral Home (with or without cemetery)											S	S	
Motel											S	S	S
Museum								S	S		P	P	
Music Store					S	S		P	P		P	P	
Nature Center	S	S	S	S	S	S			S	S	S		
Nature Reserve or Preserve (including Wildlife Sanctuaries)	S												
Newspaper or Magazine Stand					S	S		P	P	P	P	S	
Night Club (excluding sexually oriented businesses)								S	S		S	S	
Novelty, Gift, Souvenir Store (excluding sexually oriented businesses)					S	S		P	P	P	P		
Nursing Home					S	S					S	P	
Park	P	P	P	P	P	P			P	P	P	P	

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	A	R1	R2	R3	R4	R5	MH	CS	CG	CO	CH	IL	IH
Parking Facility as a Primary Use (public or private)					S	S		S	S	S	S	S	S
Penal or Correctional Institution													S
Pharmacy, Stand-alone					S	S		S	S	S	P	P	
Post Office with on-site storage of delivery vehicles										S	S	P	P
Post Office without on-site storage of delivery vehicles					S	S		S	S	P	P	P	P
Print Shop or Copy Center, Commercial or Industrial											S	P	P
Print Shop or Copy Center, Retail					S	S		P	P	P	P	P	P
Printing/Publishing Facility											S	P	P
Produce, wholesale facility	S											P	P
Professional Office					S	S		P	S	P	P	S	
Public or Private Facility Substation	S											P	P
Radio or TV Station									S	S	S	P	S
Recreation Facility, Indoor								S	S		P	P	
Recreation Facility, Outdoor											S	S	S
Recreational Vehicle Storage, Outdoor	S											S	S
Recycling Center												P	P
Recycling Plant or Transfer Station													P
Rehabilitation Center												P	P
Religious Place of Worship	S	S	S	S	S	S		S	S	P	P	P	S
Research & Development Facility (including Laboratories)										S		S	S
Residential Facility for the Developmentally Disabled or Mentally Ill						S							
Restaurant, Drive-In									S	S	P	S	
Restaurant, Eat-in					S	S		S	S		P	P	
Retirement Facility				S	S	S			S		S		
Roadside Food Stand	P							S	S	S	S		
Sanitary Fill, Refuse Dump, Garbage Disposal Plant or Transfer Station	S												
Sawmill and Planning Mills (permanent)	S												P
School, Commercial, Trade or Business										S	S	P	P
School, K-12 and including pre-school	S	S	S	S	S	S		S	S		S		
School, Nursery		S	S	S	S	S		S	P	S	P		
School, University or College					S	S		S	S	S	S	P	
Self-Storage or Mini-warehouse											S	S	P
Sexually Oriented Business													S
Shipping Service, Retail					S	S		P	S	P	P	P	P
Studio, Art/Artist (ex Tattoo Parlors and sexually oriented businesses)		S	S	S	S	S		P	P		P		
Studio, Performing Arts (e.g. Dance, Aerobics, and Pilates)				S	S	S		P	P	P	P	P	
Tanning Salon								P	S		P	P	
Tattoo and/or Piercing Parlor								P					S
Telecommunications Facility/Tower	S										S	S	S
Theater, Indoor								S	S		P	P	
Theater, Outdoor (i.e. drive-in)	S											S	
Transportation Facility				S	S	S			S	S	S	S	S
Utility Facility		S	S	S	S	S			S	S	S	S	P
Vineyard or Orchard	P	S	S	S	S	S			S	S	S	P	P
Warehousing, Enclosed												S	P
Warehousing, Petroleum Products or other hazardous materials													S
Warehousing, Unenclosed													S
Wastewater Facility	S											S	S
Water Facility	S											S	S
Winery	S	S	S						S		P	S	S

**APPENDIX B:**  
**USE STANDARDS**







STANDARD	ZONING DISTRICT												
	A	R1	R2	R3	R4	R5	CS	CG	CO	CH	I1	I2	MH
<b>AREA</b>													
Min. Lot Area (sq ft)	2 acre	20,000	10,000	6,000	10,000	1 acre	NA	NA	NA	NA	NA	NA	NA
Max. Lot Area (sq ft)	NA	NA	NA	NA	NA	NA	3,000	12,000	7,000	20,000	NA	NA	4,000
Min. Ground Floor Living Area 1-story bldg (sq ft)	1,200	1,200	1,200	960	1,000	660	1,000	3,000	1,000	3,000	NA	NA	950
Min. Ground Floor Living Area 2-story bldg (sq ft)	700	700	700	700	NA	NA	850	25,000*	NA	NA	NA	NA	NA
<b>LOT WIDTH</b>													
Min. Lot Frontage (ft)	150	100	60	60	60	100	25	70	70	100	100	100	60
<b>SETBACKS</b>													
Min. Front Yard Setback Arterial St (ft)	60	60	40	40	30	40	0	35	25	35	50	100	25
Min. Front Yard Setback Collector St (ft)	30	30	30	30	30	30	10	25	20	25	50	100	25
Min. Front Yard Setback Local Rd (ft)	30	30	25	25	25	25	10	25	20	25	50	100	25
Min. Side Yard Setback (ft) Primary	25	15	8	6	8	8	0/6	20	12	20	12	12	6
Min. Side Yard Setback (ft) Accessory	15	6	6	6	6	6	6	20	12	20	12	12	6
Min. Rear Yard Setback (ft) Primary	25	25	20	20	20	20	0/6	20	12	20	12	20	15
Min. Rear Yard Setback (ft) Accessory	15	10	6	6	6	6	6	20	12	20	12	20	12
<b>LOT COVERAGE</b>													
Max. Lot Coverage (% of all impervious surfaces)	25%	25%	30%	40%	50%	50%	75%	65%	65%	65%	80%	80%	NA
<b>HEIGHT</b>													
Max. Principle Structure Height (ft)	35	35	35	35	35	60	40/35	40	35	60	100	100	NA
Max. Accessory Structure Height (ft)	30	20	20	20	20	20	20	20	20	35	35	35	NA

\*Maximum main floor area



**APPENDIX C:**  
**OFFICIAL PLANTING GUIDE**





## APPENDIX C OFFICIAL PLANTING GUIDE

- C.1 Introduction
- C.2 USDA Plant Hardiness Map
- C.3 Planting Trees Under Utility Lines
- C.4 Approved Tree Species
- C.5 Approved Shrub Species
- C.6 Approved Ornamental Grasses
- C.7 Approved Groundcovers and Vines
- C.8 Unapproved Vegetation
- C.9 Helpful Information/Glossary

### C.1 Introduction

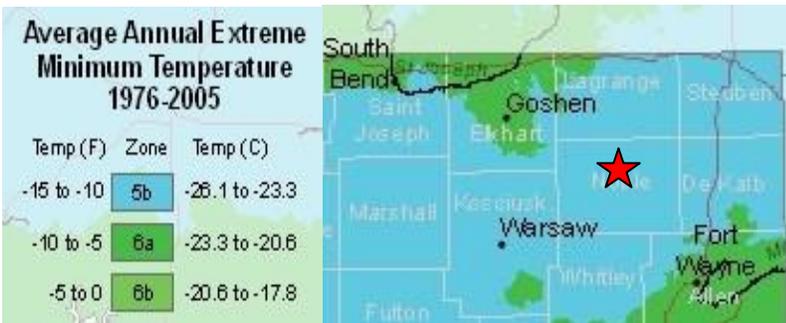
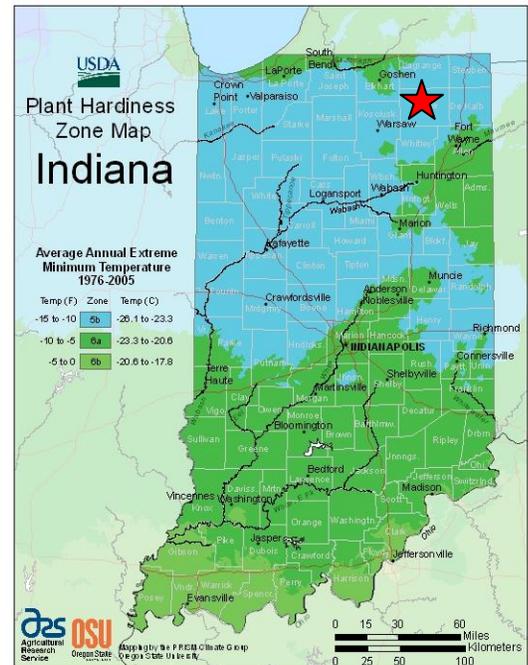
Some simple planning before planting a tree or a shrub will greatly increase the likelihood of success for that planting. This guide is designed to provide homeowners and contractors with some basic information about which plant species to plant in certain situations such as planting in the right-of-way, street plantings, and under or near utility lines. General information regarding desired native and non-native species is provided to enhance local flora and promote biodiversity in the area's ecosystem. A general understanding of tree planting and care techniques, as well as special considerations will be explained with each species' planting.

This guide only provides a small amount of information, so homeowners are encouraged to do further research and work with their local nursery, arborist, horticulturist, landscape designer, or other experienced professional to determine which specific cultivars will work the best for your location and why. Check with more than one source to get the most updated information.

### C.2 USDA Plant Hardiness Map

The U.S. Department of Agriculture (USDA) divides the country into different zones indicating plant species hardiness. The zones are determined by average annual minimum temperatures. Indiana is a zone 5b, 6a, and 6b.

Specifically, Albion is located in zone 5b and within very close proximity to zone 6a. All the plant species mentioned in this guide thrive in these hardiness zones.





## C.3 Planting Trees Under Utility Lines

### A. General

Information on the following pages represents guidelines for initial assessment only. Before planting, fully assess and research mature height, spread, and overall tree characteristics in relationship to the planting location.

### B. Types of Trees

Do not plant unknown seedlings which are likely to be undesirable species.

- (1) The planting area corresponds with the following:
  - a) Small = minimum 3 foot planting area
  - b) Medium = minimum 5 foot planting area
  - c) Large = minimum 8 foot planting area.
  
- (2) Improved cultivars and seedless, thornless varieties **must** be used when available. Northern grown tree stock is advised to improve tree survival rate. Small trees used as street trees must be upright/columnar form; not clump form. Most small trees are not suitable for narrow areas due to low branching and obstruction of visibility. Minimum size for trees required by the Landscape Ordinance:
  - a) Single- and two-family residential projects 1 1/2 inch caliper
  - b) Commercial and multi-family projects 2 inch caliper
  
- (3) While acer maples are included in the approved trees species listing there is a recommended hiatus on planting these trees in an effort to increase diversity and prevent the continued spread of Asian long-horned beetle (ALB); maples are particularly susceptible to the ALB.

### C. Planting Under Utility Lines

Tree branches and utility lines are not a good combination. Severe weather events, bringing thunderstorms, lightning, high winds, and ice can pose serious threats to trees located near utility lines.

Electric utility companies, including Vectren and Duke Energy, regularly trim tree limbs in close proximity to utility lines to help prevent power outages from occurring in severe weather. Planting low-growing trees under or near power lines will not only help beautify your property, but can also help prevent service disruptions in the future.

When planting close to underground utilities, one must be mindful of future problems that can arise. Trees with aggressive root systems can damage cables or pipes which will have to be repaired later on.

The following diagram illustrates the minimum distance differently sized trees should be planted from utility lines.



**RIGHT TREE RIGHT PLACE** **DUKE ENERGY**

**$\frac{1}{2}CW + 15' = X$**

1/2 of the Canopy Width (CW) plus 15 feet equals the Planting Location (X)

Common Name	Mature Canopy Height (ft)	Mature Canopy Width (ft)	Planting Location (ft from pole)
White Oak	80	70	50
Ginkgo	80	60	45
Yellow Poplar	90	60	45
White Pine	80	60	45
Norway Spruce	80	60	45
Sugar Maple	75	60	45
Red Maple	60	60	45
Honey Locust	70	60	45
Bald Cypress	70	50	40
Littleleaf Linden	70	50	40
Sweetgum	60	50	40
Japanese Zelkova	70	40	35
River Birch	50	40	35
Saucer Magnolia	30	30	30
White Fir	50	30	30
Eastern Redbud	30	30	30
Colorado Spruce	60	20	25
Washington Hawthorne	30	25	25
Flowering Dogwood	25	25	25
Kousa Dogwood	25	25	25
Allegheny Serviceberry	25	25	25
Techny Arborvitae	20	5	15
Crabapple spp.*			*

\* Consult with utility

Graphic courtesy of Duke Energy.

**D. Indiana Law**

Indiana law requires all property owners to call 811 before digging. This is a free service allowing utility professionals to mark all buried electric, gas, water, sewer, cable, and telephone lines for your safety; however, it is the caller’s responsibility to know the location of all privately-owned equipment, including buried LP lines, pet fences, septic lines, and wiring for outdoor lighting.



**Know what's below. Call before you dig.**



C.4 Approved Tree Species

Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T1	White Fir*	<i>Abies concolor</i>	70'	30'	Medium - Large		
T2	Paperbark Maple*	<i>Acer griseum</i>	25'	35'	Small	Low, wide spreading branches; do not use on main thoroughfares; low traffic residential areas only	Yes
T3	Miyabe Maple*	<i>Acer miyabei</i>	40'	35'	Medium	Not widely available,	
T4	Black Maple	<i>Acer nigrum/saccharum subsp. Nigrum</i>	90'	25'	Large		
T5	Osakazuki Japanese Maple*	<i>acer palmatum 'Osakazuki'</i>	25'	15'	Small	Water regularly and more often during hot days	
T6	Red Maple	<i>acer rubrum</i>	90'	70'	Large	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T7	Sugar Maple	<i>acer saccharum</i>	75'	50'	Large	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T8	Freeman Maple/Hybrid Red Maple	<i>acer x freemanii</i>	60'	40'	Medium	Fast growth rate; urban tolerant; poor soil tolerant; great fall color; susceptible to verticillium wilt	
T9	Yellow Buckeye	<i>aesculus flava</i>	75'	50'	Large	Asian long-horn beetle susceptible	
T10	Ohio Buckeye	<i>aesculus glabra</i>	40'	40'	Medium	Asian long-horn beetle susceptible	
T11	Red Horse Chestnut	<i>Aesculus x Carnea</i>	40'	35'	Medium	Drops fruit; can get bagworms and japanese beetles/borers	
T12	Downy Serviceberry*	<i>Amelanchier arborea</i>	25'	20'	Small	Low branching; use in smaller residential area with low traffic;	Yes
T13	Serviceberry	<i>Amelanchier spp.</i>	25'	20'	Small		Yes
T14	Allegheny Serviceberry	<i>Amelanchier Laevis</i>	40'	40'	Medium		
T15	Autum Brilliance Apple Serviceberry*	<i>Amelachier x grandiflora 'Autumn Brilliance''</i>	25'	25'	Small		Yes
T16	Pawpaw	<i>Asimina triloba</i>	30'	25'	Small-Medium	Suckers and forms colonies, good for rain gardens	Yes
T17	Yellow Birch	<i>Betula alleghaniensis</i>	75'		Large		



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T18	River Birch	<i>Betula nigra</i>	70'	60'	Medium-Large		
T19	Gray Birch	<i>Betula populifolia</i>	40'	20'	Medium		
T20	Common Hornbeam*	<i>Carpinus betulus 'Fastigiata'</i>	40'	30'	Medium	Tolerates air pollution	
T21	American Hornbeam	<i>Carpinus caroliniana</i>	30'	30'	Small-Medium	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	Yes
T22	Bitternut Hickory	<i>Carya cordiformis</i>	80'	50'	Large		
T23	Pignut Hickory	<i>Carya glabra</i>	80'	40'	Large		
T24	Peacan	<i>Carya illinoensis</i>	100'	70'	Large		
T25	Shellback Hickory	<i>Carya laciniata</i>	80'	60'	Large		
T26	Red Hickory	<i>Carya ovalis</i>	80'		Large		
T27	Shagbark Hickory	<i>Carya ovata</i>	90'	70'	Large		
T28	Sand Hickory	<i>Carya pallida</i>	100'		Large		
T29	Black Hickory	<i>Carya texana</i>	50'-100'		Medium - Large		
T30	Mockernut Hickory	<i>Carya tomentosa</i>	80'	60'	Large		
T31	Northern Catalpa	<i>Catalpa speciosa</i>	70'	50'	Medium-Large		
T32	Sugarberry	<i>Celtis laevigata</i>	70'	60'	Medium-Large		
T33	Hackberry	<i>Celtis occidentalis</i>	80'	60'	Large		
T34	Eastern Redbud	<i>Cercis canadensis</i>	30'	20'	Small	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application; low branching; use only in low traffic residential areas.	Yes
T35	Fringetree	<i>Chionanthus virginicus</i>	20'	15'	Small	Considered endangered plant; sensitive to wind	Yes
T36	Yellowwood	<i>Cladrastis lutea</i>	50'	55'	Medium	Fragrant flowers, normally will not bloom for first 8-10 years,	Yes
T37	Pagoda Dogwood	<i>Cornus alternifolia</i>	25'	20'	Small	Drought sensitive	Yes
T38	Flowering Dogwood	<i>Cornus florida</i>	30'	35'	Medium		Yes
T39	Kousa Dogwood*	<i>Cornus kousa</i>	30'	30'	Medium	More disease resistant and cold hardy than flowering dogwood.	
T40	Cornelian Cherry Dogwood*	<i>Cornis mas</i>	25'	20'	Small	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application; low branching; use only in low traffic residential areas	Yes



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T41	Smoketree*	<i>Cotinus coggygria</i>	15'	15'	Small		Yes
T42	Washington Hawthorn*	<i>Crataegus phaenopyrum</i>	30'	30'	Medium	Has some insect and disease problems	Yes
T43	Dotted Hawthorn	<i>Crataegus punctata</i>	25'	25'	Small		Yes
T44	Green Hawthorn	<i>Crataegus virds</i>	35'	35'	Medium		Yes
T45	Persimmon	<i>Diospyros virginiana</i>	60'	35'	Medium		Yes
T46	Eastern Wahoo	<i>Euonymus atropurpurea</i>	20'	25'	Small	Not to be confused with <i>Euonymus alatus</i> (Burning Bush)	Yes
T47	American Beech	<i>Fogus grandifolia</i>	80'	80'	Large		
T48	Tricolor Beech*	<i>Fagus sylvatico 'Tricolor'</i>	30'	30'	Medium	Can scorch in full sun; Japanese beetles can be a problem	
T49	Ginkgo (male)*	<i>Ginkgo biloba</i>	80'	40'	Large		
T50	Thornless Honeylocust	<i>Gleditsia triacanthos var. intermis</i>	80'	50'	Large		
T51	Kentucky Coffeetree	<i>Gymnocladus dioicus</i>	100'	40'	Large	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T52	Witchhazel	<i>Hamamelis virginiana</i>	15'	15'	Small		Yes
T53	Butternut	<i>Juglans cinerea</i>	60'	60'	Medium	Canker susceptible	
T54	Black Walnut	<i>Juglans nigra</i>	100'	100'	Large		
T55	Eastern Red Cedar	<i>Juniperus virginiana</i>	65'	25'	Medium		
T56	Goldraintree*	<i>Koelreuteria texana</i>	50'	35'	Medium	Can cause litter	
T57	Eastern Larch (Tamarack)	<i>Larix laricina</i>	80'	30'	Large		
T58	Sweetgum	<i>Liquidambar styraciflua</i>	60'	40'	Medium		
T59	Tulip Tree	<i>Liriodendron tulipifera</i>	150'	50'	Large	Not Salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T60	Amur Maackia*	<i>Maackia amurensis</i>	30'	30'	Small-Medium	Low branching; use only in low traffic residential areas	
T61	Cucumber Magnolia	<i>Magnolia accuminata</i>	70'	35'	Medium-Large		
T62	Star Magnolia*	<i>Magnolia stellata</i>	20'	15'	Small		Yes
T63	Umbrella Magnolia	<i>Magnolia tripetala</i>	30'	30'	Small-Medium		
T64	Saucer Magnolia	<i>Magnolia x soulgiana</i>	25'	30'	Small		Yes



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T65	Adams Crabapple*	<i>Malus 'Adams'</i>	25'	25'	Small		Yes
T66	Centurion Crabapple*	<i>Malus 'Centurion'</i>	25'	20'	Small		Yes
T67	Wild Sweet Crabapple	<i>Malus coronaria</i>	25'	25'	Small		
T68	Japanese Flowering Crabapple*	<i>Malus floribunda</i>	25'	25'	Small		Yes
T69	Prairie Crabapple	<i>Malus ioensis</i>	30'	35'	Small-Medium		Yes
T70	Sargent Crabapple*	<i>Malus sargentii</i>	10'	15'	Small	Disease resistant; prefers moist, well-drained, acidic soils	Yes
T71	Read Mulberry	<i>Morus rubra</i>	50'	40'	Medium	Tolerates air pollution/drought;	
T72	Black Gum	<i>Nyssa sylvatico</i>	50'	30'	Large		
T73	Hophornbeam	<i>Ostrya virginiana</i>	45'	40'	Medium	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T74	Sourwood	<i>Oxydendrum arborem</i>	50'	25'	Medium		
T75	Norway Spruce*	<i>Picea abies</i>	60'	30'	Medium		
T76	Serbian Spruce*	<i>Picea amirika</i>	60'	20'	Medium		
T77	Colorado Blue Spruce*	<i>Picea pungens' Glauca'</i>	60'	20'	Medium		
T78	Jack Pine	<i>Pinus banksiana</i>	50'	30'	Medium	Sensitive to heat; likes sand	
T79	Eastern White Pine	<i>Pinus strobus</i>	80'	40'	Large	Sensitive to salt and pollution	
T80	Scotch Pine*	<i>Pinus sylvestris</i>	50'	30'	Medium		
T81	Virginia Pine/Scub Pine	<i>Pinus virginiana</i>	30'	20'	Small-Medium		
T82	Columbia London Planetree*	<i>Platanus acerifolia</i>	80'	65'	Large		
T83	Sycamore	<i>Platanus occidentalis</i>	90'	70'	Large	Can cause litter	
T84	Balsam Poplar	<i>Populus balsamifera</i>	100'	70'	Large		
T85	Cottonwood	<i>Populus deltoides</i>	80'	60'	Large	Will sell/select male clone	
T86	American Plum	<i>Prunus americana</i>	25'	20'	Small		Yes
T87	Purple-leaf Plum*	<i>Prunus cerasifera</i>	20'	20'	Small		Yes
T88	Amur Cholecherry*	<i>Prunus maakii</i>	25'	20'	Small		Yes
T89	Weeping Higan Cherry*	<i>Prunus pendula</i>	25'	25'	Small	Susceptible to a variety of insects and diseases	



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T90	Pin Cherry/Fire Cherry	<i>Prunus pensylvanica</i>	40'	30'	Medium		
T91	Wild Black Cherry	<i>Prunus serotina</i>	80'	60'	Large		
T92	Kwanzan Cherry*	<i>Prunus serrulata 'Kwanzan'</i>	25'	25'	Small	Suceptible to quite a few insects and diseases; great fall color	
T93	Douglas Fir*	<i>Pseudotsuga menziesii</i>	80'	20'	Large		
T94	Hoptree	<i>Ptelea trifoliata</i>	25'	15'	Small	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	Yes
T95	Wild Sweet Crabapple	<i>Pyrus coronaria</i>	30'	30'	Small-Medium	Focus on rust resistant cultivars of all crabapples	
T96	White Oak	<i>Quercus alba</i>	100'	90'	Large		
T97	Swamp White Oak	<i>Quercus bicolor</i>	90'	70'	Large	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T98	Scarlet Oak	<i>Quercus coccinea</i>	70'	50'	Large		
T99	Northern Pin Oak	<i>Quercus ellipsoidalis</i>	70'	60'	Large		
T100	Southern Red Oak	<i>Quercus falcata</i>	80'	50'	Large		
T101	Shingle Oak	<i>Quercus imbricaria</i>	60'	50'	Large		
T102	Overcup Oak	<i>Quercus lyrata</i>	60'	60'	Large		
T103	Bur Oak	<i>Quercus macrocarpa</i>	80'	80'	Large		
T104	Blackjack Oak	<i>Quercus marilandica</i>	35'	25'	Small-Medium		
T105	Swamp Chestnut Oak	<i>Quercus michauxii</i>	60'	50'	Medium		
T106	Chinkapin Oak	<i>Quercus muehlenbergii</i>	60'	70'	Medium-Large		
T107	Cherrybark Oak	<i>Quercus pagoda</i>	110'		Large		
T108	Pin Oak	<i>Quercus palustris</i>	70'	60'	Medium-Large		
T109	Chestbut Oak	<i>Quercus prinus</i>	70'	70'	Medium-Large		
T110	English Oak	<i>Quercus robur f. fastigiata</i>	60'	20'	Medium		
T111	Northern Red Oak	<i>Quercus rubra</i>	70'	60'	Medium-Large		
T112	Shumard Oak	<i>Quercus shumardii</i>	60'	40'	Medium		
T113	Post Oak	<i>Quercus stellata</i>	50'	50'	Medium		
T114	Black Oak	<i>Quercus velutina</i>	60'	60'	Medium		
T115	Smooth Sumac	<i>Rhus glabra</i>	20'	15'	Small		Yes



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T111	Northern Red Oak	<i>Quercus rubra</i>	70'	60'	Medium-Large		
T112	Shumard Oak	<i>Quercus shumardii</i>	60'	40'	Medium		
T113	Post Oak	<i>Quercus stellata</i>	50'	50'	Medium		
T114	Black Oak	<i>Quercus velutina</i>	60'	60'	Medium		
T115	Smooth Sumac	<i>Rhus glabra</i>	20'	15'	Small		Yes
T116	Staghorn Sumac	<i>Rhus typhina</i>	25'	30'	Small	Tree is colonizing	
T117	Peachleaf Willow	<i>Salix amygdaloides</i>	70'	60'	Medium-Large	Can cause litter	
T118	Black Willow	<i>Salix nigra</i>	60'	60'	Medium	Not suitable as street tree; suitable for wet areas	
T119	Silky Willow	<i>Salix sericea</i>	12'		Small	Great for attracting butterflies; has catkins and need wet soil conditions	
T120	Sassafras	<i>Sassafras albidum</i>	60'	40'	Small		
T121	Scholar Tree*	<i>Sophora japonica</i>	75'	75'	Large	Drought, salt, and urban tolerant	
T122	Ivory Silk Japanese Tree Lilac*	<i>Syringa reticulata</i>	25'	15'	Small	low branching; use only in low traffic residential areas	Yes
T123	Common Lilac*	<i>Syringa vulgaris</i>	20'	15'	Small		
T124	Bald Cypress	<i>Taxodium distichum</i>	70'	45'	Medium-Large	Could include Dawn Redwood	
T125	American Arborvitae	<i>Thuja occidentalis</i>	40'	15'	Medium	Size depends on cultivar; can be salt sensitive; avoid windy areas and full shade	
T126	Western Arborvitae	<i>Thuja plicata</i>	70'	25'	Medium - Large	Prefers moist, well-drained soils and full to part shade; does not tolerate dry conditions	
T127	Basswood	<i>Tilia americana</i>	80'	50'	Large		
T128	Littleleaf Linden*	<i>Tilia cordata</i>	50'	40'	Medium	Not salt tolerant; inappropriate on main thoroughfares due to winter salt application	
T129	Silver Linden*	<i>Tilia tomentosa</i>	50'	40'	Medium		
T130	Canadian Hemlock	<i>Tsuga canadensis</i>	70'	35'	Medium-Large		
T131	Rock Elm/Cork Elm	<i>Ulmus thomasii</i>	90'		Large		
T132	Winged Elm	<i>Ulmus alata</i>	50'	40'	Medium		
T133	Princeton, Valley Forge, New Harmony American Elm*	<i>Ulmus americana</i> 'Princeton', 'Valley Forge', 'New Harmony'	70'	60'	Medium-Large	Covers any American Elm hybrids; do not use regular American Elm due to Dutch Elm Disease	
T134	Slippery Elm	<i>Ulmus rubra</i>	60'	50'	Medium		



Tree ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes	Approved trees under utility lines
T135	Arrowwood	<i>Viburnum dentatum (SHRUB)</i>	10'	10'			Yes
T136	Nannyberry	<i>Viburnum lentago (SHRUB)</i>	16'	12'			Yes
T137	Blackhaw	<i>Viburnum prunifolium (SHRUB)</i>	15'	12'			Yes
T138	Chastetree*	<i>Vitex agnus-castus (SHRUB)</i>	10'	8'			Yes
T139	Japanese Zelkova*	<i>Zelkova serrata</i>	80'	75'	Large		
T140	Leyland cypress*	<i>x Cuprocyparis leylandii</i>	70'	15'	Large	Can get bagworms and canker/root rot	

Trees	
Small Tree (30' or less)	Deciduous
Medium Tree (30'-70')	Evergreen
Large Tree (70' and above)	



**C.5 Approved Shrub Species**

The zoning district boundaries shall be shown on the Official Zoning Map. The abbreviations for the zoning districts appearing in the Zoning Ordinance shall be used to identify the zoning districts on the map.

Shrub ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
S1	Glossy Abelia*	<i>Abelia x grandifolia</i>	6'	6'	Medium	Sensitive to cold weather
S2	Bottlebrush Buckeye	<i>Aesculus parviflora</i>	12'	15'	Large	
S3	Serviceberry	<i>Amalanchier canadensis</i>	25'	20'	Large	
S4	Red Chokecherry	<i>Aronia arbutifolia</i>	10'	6'	Medium	Tolerates a wide range of soils including wet; Also tolerates erosion and clay; winter interest
S5	Black Chokecherry	<i>Aronia melanocarpa</i>	6'	6'	Medium	Salt and soil compaction tolerant
S6	Goat's Beard	<i>Aruncus dioicus</i>	6'	4'	Medium	Prefers moist to wet soils and part shade; susceptible to leaf spot
S7	Butterfly Bush*	<i>Buddleia davidii</i>	6'	6'	Medium	
S8	Littleleaf Boxwood*	<i>Buxus microphylla</i>	4'	4'	Small	
S9	Glencoe or Green Velvet Boxwood*	<i>Buxus spp.</i>	4'	4'	Small	Evergreen that likes part shade and can tolerate deer and rabbits
S10	Beautyberry	<i>Callicarpa dichotoma</i>	6'	6'	Medium	
S11	Carolina allspice	<i>Calycanthus floridus</i>	12'	12'	Large	Tolerant of clay soils and deer; naturalization will occur if suckers are not immediately removed
S12	Bluebeard*	<i>Caryopteris x clandonensis</i>	3'	3'	Small	
S13	New Jersey Tea	<i>Ceanothus americanus</i>	4'	6'	Small	Drought and salt tolerant
S14	Buttonbush	<i>Cephalanthus occidentalis</i>	12'	8'	Large	Drought tolerant
S15	Flowering Quince*	<i>Chaenomeles speciosa</i>	10'	15'	Large	May cause litter
S16	Summersweet Clethra	<i>Clethra alnifolia</i>	6'	5'	Large	Salt tolerant
S17	Sweet Fern	<i>Comptonia peregrina</i>	4'	8'	Small	Drought and salt tolerant
S18	Silky Dogwood	<i>Cornus amomum</i>	10'	10'	Large	
S19	Redosier/Red Stemmed Dogwood	<i>Cornus sericea</i>	10'	8'	Large	Great winter interest
S20	American Hazlenut	<i>Corylus americana</i>	10'	15'	Large	
S21	Smoke Bush	<i>Cotinus coggygria</i>	15'	15'	Large	Can tolerate a wide variety of soils except extremely saturated and poorly draining



Shrub ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
S22	Spreading Cotoneaster*	<i>Cotoneaster divaricatus</i>	6'	8'	Medium	Requires good drainage; somewhat drought tolerant after establishment; some minor pest and disease susceptibility
S23	Daphne Burkwood*	<i>Daphne x burkwoodii</i>	4'	4'	Small	
S24	Slender Deutzia*	<i>Deutzia gracilis</i>	3'	4'	Small	
S25	Silverberry	<i>Elaeagnus commutata</i>	10'		Large	Highly drought tolerant; medium salt tolerance
S26	Strawberry Bush	<i>Euonymus americanus</i>	6'	6'	Medium	Can be planted near black walnut trees; deer love to eat the leaves
S27	Eastern Wahoo	<i>Euonymus atropurpureus</i>	20'	15'	Large	Substitute for invasive, non-native Burning Bush; can be planted near Black Walnut
S28	Border Forsythia*	<i>Forsythia x intermedia</i>	10'	15'	Large	
S29	Fothergilla	<i>Fothergilla gardenii</i>	3'	4'	Small	
S30	Large Fothergilla	<i>Fothergilla major</i>	10'	9'	Medium	Prefers rich, moist, well-drained soil; shade tolerant; disease resistant;
S31	Mount Airy Fothergilla	<i>Fothergilla 'Mount Airy'</i>	5'	5'	Small	Fall color; needs organic, well-draining soils
S32	Blue Shadow Fothergilla	<i>Fothergilla x intermedia 'Blue Shadow'</i>	6'	6'	Medium	Can sucker and form colonies if not maintained
S33	Witchhazel	<i>Hamamelis virginiana</i>	15'	15'	Large	Pollution tolerant
S34	Seven-son Flower*	<i>Heptacodium miconioides</i>	20'	10'	Large	Can grow in a wide range of soils, has great year-round interest
S35	Rose-of-Sharon*	<i>Hibiscus syriacus</i>	12'	12'	Large	
S36	Smooth Hydrangea	<i>Hydrangea aborescens</i>	5'	5'	Small	Salt tolerant; herbicide sensitive
S37	Oak Leaf Hydrangea	<i>Hydrangea quercifolia</i>	10'	8'	Medium	
S38	Inkberry	<i>Ilex glabra</i>	12'	12'	Large	
S39	Winterberry	<i>Ilex verticillata</i>	12'	12'	Large	Bright red berries provide winter interest through next spring; tolerant of erosion, wet soil, clay soil, and air pollution
S40	Blue Holly*	<i>Ilex x meserveae</i>	8'	8'	Medium	
S41	Virginia Sweetspire	<i>Itea virginica</i>	6'	14'	Medium	
S42	Blue Carpet Juniper	<i>Juniperus aquamata 'Blue Carpet'</i>	1'	5'	Small	
S43	Blue Star Juniper	<i>Juniperus aquamata 'Blue Star'</i>	3'	4'	Small	



Shrub ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
S44	Common Juniper	<i>Juniperus communis</i>	10'	12'	Large	
S45	Andorra Juniper	<i>Juniperus horizontalis</i> 'Plumosa'	18'	5'	Large	
S46	Mountain Laurel	<i>Kalmia latifolia</i>	10'	10'	Large	
S47	Japanese Kerria*	<i>Kerria japonica</i>	6'	9'	Medium	
S48	Beautybush*	<i>Kolkwitzia amabilis</i>	10'	10'	Large	Need well drained soils and full sun; can tolerate clay soils and deer
S49	Golden Privet*	<i>Ligustrum vicaryi</i>	12'	13'	Large	Can become invasive
S50	Spicebush	<i>Lindera benzoin</i>	12'	12'	Large	Salt and soil compaction tolerant
S51	Twinberry	<i>Lonicera involucrata</i>	10'	10'	Large	Can tolerate heavy shade; will form colonies over time through seeds
S52	Bayberry	<i>Myrica pensylvanica</i>	12'	12'	Large	Drought and salt tolerant; tolerant of all soil types
S53	Knotweed*	<i>Persicaria polymorpha</i>	5'	4'	Small	Prefers moist soils; once established can tolerate some drought and some heat/humidity
S54	Ninebark	<i>Physocarpus opulifolius</i>	8'	6'	Medium	
S55	Diablo Ninebark	<i>Physocarpus opulifolius</i> 'Diablo'	8'	8'	Medium	Can be used as hedge a screen or as erosion control
S56	Flowering Dwarf Almond*	<i>Prunus glandulosa</i>	5'	4'	Small	
S57	Alder-leaved Buckhorn	<i>Rhamnus alnifolia</i>	3'		Small	Full sun; will not tolerate shade
S58	Carolina Rhododendron*	<i>Rhododendron carolinianum</i>	5'	10'	Small	Can cause litter
S59	Catawba Rhododendron*	<i>Rhododendron catawbiense</i>	10'	20'	Large	
S60	PJM Rhododendron*	<i>Rhododendron PJM hybrids</i>	6'	5'	Medium	
S61	Jetbead*	<i>Rhodotypos scandens</i>	4'	3'	Small	
S62	Gro Low Fragrant Sumac*	<i>Rhus aromatica</i> 'Gro Low'	3'	8'	Small	
S63	Shining Sumac	<i>Rhus copallinum</i>	15'	20'	Large	Tolerant of drought, erosion and dry soil; can not tolerate poorly draining soils
S64	Smooth Sumac	<i>Rhus glabra</i>	15'	15'	Large	
S65	Alpine Currant*	<i>Ribes alpinum</i> 'Green Mound'	3'	3'	Small	Adapts well to urban conditions, tolerant of drought and heavy shade; very winter hardy; **dioecious;



Shrub ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
S66	Redleaf Rose*	<i>Rosa glauca/rubrifolia</i>	8'	7'	Medium	Suceptible to a variety of diseases and insects; very good resistance to most diseases
S67	Knockout Roses*	<i>Rosa knockout</i>	4'	4'	Small	Suceptible to a variety of diseases and insects; has resistance to most common foliage diseases
S68	Rosemary Willow*	<i>Salix eleagnos</i>	10'	8'	Large	Needs full sun and water on occasion; can tolerate clay soil
S69	American Elderberry	<i>Sambucus canadensis</i>	12'	12'	Large	Suckers from colonies; susceptible to some diseases and pests
S70	American Red Elderberry	<i>Sambucus racemosa L.</i>	20'		Large	Berries are possibly toxic when eaten; good wildlife value
S71	Buffaloberry	<i>Shepherdia argentea</i>	8'	8'	Medium	Salt tolerant
S72	Bladdermut	<i>Staphylea trifolia</i>	12'	12'	Large	
S73	Cutleaf Stephanandra*	<i>Stephanandra incisa</i>	3'	4'	Small	Quick spreading; can shape in late spring
S74	Snowberry*	<i>Symphoricarpos x chenaultii</i>	6'	8'	Medium	
S75	Miss Kim Lilac*	<i>Syringa patula</i>	8'	10'	Medium	
S76	Chinese Lilac*	<i>Syringa x chinensis</i>	15'	15'	Large	
S77	Yew	<i>Taxus x media</i>	6'	12'	Medium	Resistant to salt and pollution; sensitive to drought and/or soil compaction
S78	Nannyberry	<i>Viburnum lentago</i>	15'	12'	Large	
S79	Arrowwood Viburnum	<i>Viburnum dentatum</i>	15'	15'	Large	
S80	Fragrant Viburnum*	<i>Viburnum ferreri</i>	10'	10'	Large	
S81	Wayfaring Tree*	<i>Viburnum lantana</i>	10'	10'	Large	Urban Tolerant
S82	Smooth Witherod viburnum	<i>Viburnum nudum v. cassinoides</i>	10'	10'	Large	
S83	European Cranberry*	<i>Viburnum opulus</i>	12'	12'	Large	
S84	Doublefile Viburnum*	<i>Viburnum plicatum</i>	10'	10'	Large	
S85	Blackhaw Viburnum	<i>Viburnum prunifolium</i>	15'	12'	Large	Can tolerate drought and air pollution
S86	Rusty Blackhaw Viburnum*	<i>Viburnum rufidulum</i>	15'	12'	Large	
S87	Siebold Viburnum*	<i>Viburnum sieboldii</i>	30'	12'	Large	
S88	Burkwood Viburnum*	<i>Viburnum x burwoodii</i>	10'	10'	Large	



Shrub ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
S89	Judd Viburnum*	<i>Viburnum x judii</i>	10'	10'	Large	
S90	Old Fashioned Weigla*	<i>Weigela florida</i>	10'	12'	Large	
S91	Wine and Roses Weigela*	<i>Weigela florida</i> 'Wine and Roses'	5'	6'	Small	Needs full sun and well drained soils
S92	Yucca	<i>Yucca filamentosa</i>	5'	5'	Small	Urban tolerant, including salt and drought

Shrubs		
<b>Small Shrub (3-6')</b>	<b>Large Shrub (10' and above)</b>	Deciduous
<b>Medium (6-10')</b>	<b>**Dioecious plants require male and female plants to flower and produce fruit</b>	Evergreen
		Herbaceous perennial



## C.6 Approved Ornamental Grasses

The Official Zoning Map should be formally revised annually, or as the Plan Commission determines necessary. During interim periods of time, hand drawn lines and text on the Official Zoning Map will be appropriate to note zoning changes. Copies may be made after the amendments are noted, and each copy shall be noted as an update with the "date last changed" noted on the map. Other revisions may be made to correct drafting or other errors and omission in the prior map, but shall not have the effect of amending the Official Zoning Map except as adopted by the Town Council.

Ornamental Grass ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
O1	Grass Molinia Moor	<i>Caerulea arundinacea</i> 'Windspiel'	7'	4'	Large	
O2	Leatherlef Sedge	<i>Carex buchananii</i>	2.5'	3'	Medium	Evergreen, has short life of 2 - 3 years
O3	Ice Dance Sedge	<i>Carex morrowii</i> 'Ice Dance'	1'	2'	Small	Prefers moist soil but can do well in slightly drier; do not let soil dry out
O4	Variegates Japanese Sedge*	<i>Carex morrowii</i> 'Variegata'	1.5'	1'	Small	Semi evergreen; tolerant to heat and drought
O5	Northern Sea Oats	<i>Chasmanthium latifolium</i>	5'	3'	Large	Prefers moist soil; year round interest
O6	Feather Reed Grass	<i>Clamagrostis x acutiflora</i>	5'	2'	Large	Semi-evergreen; prefers well-drained soils
O7	Blue Fescue*	<i>Festuca glauca</i>	1'	1'	Small	Evergreen; prefers well-drained soils
O8	Common Rush/Soft Rush	<i>Juncus effusus</i>	4'	4'	Small	Semi-Evergreen; Use at the edge of a pond and containers
O9	Lily Turf*	<i>Liriope muscari</i>	1.5'	9"	Small	Evergreen
O10	Switch Grass*	<i>Panicum virgatum</i>	6'	3'	Large	
O11	Fountain Grass	<i>Pennisetum alopecuroides</i>	5'	5'	Large	Plant 30"-36" apart
O12	Dwarf Fountain Grass*	<i>Pennisetum alopecuroides</i> 'Hamein'	2'	1.5'	Small-Medium	Drought and disease resistant
O13	Autumn Moor Grass*	<i>Sesleria autumnalis</i>	1'	1'	Small	Extremely adaptable to drought; tolerant of air pollution; does not like heat or high humidity



Ornamental Grass ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
O14	Hardstem Bulrush	<i>Schoenoplectus acutus</i>	6'		Medium	Rhizomonous; great in standing water
O15	Common Threesquare	<i>Schoenoplectus pungens</i>	4'		Small	Can stand up to 3' of water; soil stabilization and erosion controls; also great for wildlife habitat
O16	Blue-Eyed Grass	<i>Sisyrinchium angustifolium</i>	2'	1'	Small	
O17	Variegated Prairie Cord Grass	<i>Spartina pectinata</i> 'Aureomarginata'	6'	4'	Large	Salt tolerant; can adapt to a variety of soils but needs constant moisture

Ornamental Grasses	
<i>Small Ornamental Grass (6"-2')</i>	<i>Large Ornamental Grass (5' and above)</i>
<i>Medium Ornamental Grass (2'-5')</i>	
Herbaceous Perennial	Evergreen Grass/Sedge
Semi-Evergreen Grass/Sedge	Non-Evergreen Grass/Sedge



**C.7 Approved Groundcovers and Vines**

In the event that the Official Zoning Map becomes damaged, destroyed, lost, or difficult to interpret due to the nature or number of changes, the Town Council may, by resolution, adopt a new Official Zoning Map which shall, to the extent possible, duplicate the accuracy of the damaged, destroyed, or lost map.

Groundcover/Vine ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
GV1	Bishop's Weed*	<i>Aegopodium podagraria 'Variegatum'</i>	2'	4'	Large	Prefers moist soils; can become invasive
GV2	Bugleweed*	<i>Ajuga reptans</i>	10"	2'	Small	Semi-evergreen; prefers well-drained, moist soils
GV3	Bearberry	<i>Arctostaphylos uva-ursi</i>	8"	1'	Small	Evergreen; good for erosion control
GV4	Wild Ginger	<i>Asarum canadense</i>	1'	1.5'	Small	Slow spreading; tolerates deer; prefers heavy shade and wet soil
GV5	Wild Ginger*	<i>Asarum europaeum</i>	.5'	1.5'	Small	Do not like hot and humid temperatures; prefers moist, well-drained soil; tolerant of deer and can be planted near Black Walnut
GV6	Swamp Milkweed	<i>Asclepias incarnata</i>	5'	3'	Large	Native to swamps and wet meadows but can tolerate medium well-drained soils; tolerant of deer
GV7	American Bittersweet	<i>Celastrus scandens</i>	20'	6'	Large	Vine; drought and deer tolerant; has showy red berries;
GV8	Lily of the Valley	<i>Convallaria majalis</i>	1'	1'	Small	
GV9	Cotoneaster Bearberry*	<i>Cotoneaster dammeri</i>	2'	1'	Small - Medium	Prefers rich, well-drained soils
GV10	Barrenwort*	<i>Epimedium x rubrum</i>	2'	4'	Large	Prefers moist, sandy soils
GV11	Sweet Woodruff*	<i>Galium odoratum</i>	1'	2'	Small	Prefers well-drained soils
GV12	Hellebore	<i>Helleborus spp.</i>	1.5'	1.5'	Small	Easy to grow; tolerant of many things including deer, air pollution, heavy shade, and dry soil conditions; protect from winter winds
GV13	Crested Dwarf Iris	<i>Iris cristata</i>	9"	1'	Small	Prefers moist, well-drained soils
GV14	Prairie Blazing Star	<i>Liatris pycnostachya</i>	5'	2'	Large	Great for attracting birds and butterflies; tolerant of drought, poor soils and heat/humidity; Not tolerant of wet winter soil



Groundcover/Vine ID#	Common Name	Scientific Name	Max Height	Max Spread	Planting Area	Notes
GV15	Kobold Blazing Star	<i>Liatris spicata</i> 'Kobold'	2.5'	1'	Medium	Great for attracting birds and butterflies; tolerant of drought, poor soils and heat/humidity; Not tolerant of wet winter soil
GV16	Cardinal Flower	<i>Lobelia cardinalis</i> (incl. hybrid cultivars)	4'	2'	Large	Prefers part shade; likes to stay wet; tolerant of deer and rabbits
GV17	Scalet Honeysuckle/ Trumpet Honeysuckle	<i>Lonicera sempervirens</i>	15'	6'	Large	Tolerates dry soils and deer; can be planted near Black Walnut; more flowers occur in full sun
GV18	Everblooming honeysuckle	<i>Lonicera x heckrottii</i>	15'	6'	Large	Flowers attracted birds and butterflies; tolerates deer and being planted near Black Walnut
GV19	Virginia Creeper	<i>Parthenocissus quinquefolia</i>	50'	variable	Large	Good for erosion control
GV20	Summer Phlox	<i>Phlox paniculata</i> 'Katherine'	2.5'	2'	Medium	Tolerant of deer; can be planted next to Black Walnut; does not like drought and needs to be watered at the root level not from above
GV21	Summer Phlox	<i>Phlox paniculata</i> 'David'	4'	3'	Large	Same as above
GV22	Summer Phlox	<i>Phlox paniculata</i> 'Shortwood'	4'	3'	Large	Same as above
GV23	Prairie Ironweed	<i>Vernonia fasciculata</i>	4'	3'	Large	Prefers full sun and moist soils; can tolerate deer
GV24	Barren Strawberry	<i>Waldsteinia fragarioides</i>	.5'	1'	Small	Easy to grow; prefers full sun to part shade; can tolerate a wide variety of soils; do not like heat and humidity

Groundcover/Vines		
<b>Small Groundcovers and Vines (6"-2')</b>	<b>Large Groundcovers and Vines (3' and above)</b>	Evergreen
<b>Medium Groundcovers and Vines (2'-3")</b>	<b>Sizing in width of mature spread and height</b>	Herbaceous perennial
		Vine



## C.8 Unapproved Vegetation

District boundaries on the Official Zoning Map shall be interpreted as follows:

Common Name	Scientific Name	Undesirable Traits	Alternatives
Hedge Maple	<i>Acer campestre</i>	Invasive	
Amur Maple	<i>Acer ginnala</i>	Invasive	
Box Elder	<i>Acer negundo</i>	Weak wood; aggressive	
Norway Maple	<i>Acer platanoides</i>	Invasive	T3, T49, T8, T128
Silver Maple	<i>Acer saccharinum</i>	Weak wood; aggressive	
Tartarian Maple	<i>Acer tartarium</i>	Invasive	
Japanese Chaff Flower	<i>Achyranthes japonica</i>	Highly Invasive	
Tree of Heaven	<i>Ailanthus altissima</i>	Invasive; suckers; weak wood	T51, T36
Garlic Mustard	<i>Alliaria petiolata</i>	Invasive	
Black Alder	<i>Alnus glutinosa</i>	Invasive	
Porcelain Berry	<i>Ampelopsis brevipedunculata</i>	Invasive	
Mugwort	<i>Artemisia vulgaris</i>	Highly Invasive	
Small Carpgrass	<i>Arthraxon hispidus</i>	Highly Invasive	
Giant Reed	<i>Arundo donax</i>	Invasive	
Mosquito Fern	<i>Azolla pinnata</i>	Prohibited Plant Species	
Japanese Barberry	<i>Berberis thunbergii</i>	Invasive	T128, S9, S65, S30, S22, S39, S55, S66, S67, S21, S91
Common Barberry	<i>Berberis vulgaris</i>	Invasive	
Smooth Brome	<i>Bromus inermis</i>	Invasive	
Butterfly Bush	<i>Buddleia davidii</i>	Invasive	
Flowering Rush	<i>Butomus umbellatus</i>	Invasive/Prohibited Plant Species	O8, O14, O15
Narrowleaf Bittercress	<i>Cardamine impatiens</i>	Invasive	
Plumeless Thistle	<i>Carduus acanthoides</i>	Invasive	
Musk Thistle	<i>Carduus nutans</i>	Invasive	
Caulerpa/Mediterranean Killer Algae	<i>Caulerpa taxifolia</i>	Prohibited Plant Species	
Oriental Bittersweet/ Asian Bittersweet	<i>Celastrus orbiculatus</i>	Invasive	GV7
Spotted Knapwood	<i>Centaurea biebersteinii</i>	Invasive	
Canada Thistle	<i>Cirsium arvense</i>	Invasive/Noxious Weed	
Bull Thistle	<i>Cirsium vulgare</i>	Invasive	
Sweet Autumn Virginsbower(Clematis)	<i>Clematis terniflora</i>	Invasive	
Posion Hemlock	<i>Conium maculatum</i>	Invasive	
Field Bindweed	<i>Convolvulus arvensis</i>	Invasive	
Crown vetch	<i>Coronilla varia/Securigera varia</i>	Invasive	
Black Swallow-Wort	<i>Cynanchum louiseae</i>	Invasive	
Pale Swallow-Wort	<i>Cynanchum rossicum</i>	Invasive	
Wild Carrot/Queen Anne's Lace	<i>Daucus carota</i>	Invasive	
Chinese Yam	<i>Dioscorea oppositifolia</i>	Invasive	



Common Name	Scientific Name	Undesirable Traits	Alternatives
Common Teasel	<i>Dipsacus fullonum</i>	Invasive	
Cut-Leaved Teasel	<i>Dipsacus laciniatus</i>	Invasive	
Brazilian Waterweed (Brazilian Elodea)	<i>Egeria densa</i>	Invasive/Prohibited Plant Species/ Pest Species	
Anchored Water Hyacinth	<i>Eichhornia azurea</i>	Invasive/Prohibited Species	
Russian Olive	<i>Elaeagnus angustifolia</i>	Invasive; Poor form; shallow roots	S71, T119, S68, S19, S25
Autumn Olive	<i>Elaeagnus umbellata</i>	Invasive; Poor form; shallow roots	S71, T119, S68, S19, S25
Quack Grass	<i>Elymus repens</i>	Invasive	
Buring Bush	<i>Euonymus alatus</i>	Invasive	S4, S5, S30-S32, S41, S85, S63, S26, S27, T5
Wintercreeper	<i>Euonymus fortunei</i>	Invasive	GV3-GV5, GV12
Leafy Spurge	<i>Euphorbia esula</i>	Invasive	
Tall Fescue	<i>Festuca arundinacea/ Schenodorus arundinacea</i>	Invasive	
Glossy Buckthorn	<i>Frangula alnus/Rhamnus frangula</i>	Invasive	
Ash	<i>Fraxinus species</i>	Do not use due to Emerald Ash borer	
Goatsrue	<i>Galega officinalis</i>	Invasive	
Ginko (female only)	<i>Ginkgo biloba (female only)</i>	Do not use due to smelly, fleshy, and messy fruit	
Creeping Charlie/Ground Ivy	<i>Glechoma hederacea</i>	Invasive	
English Ivy	<i>Hedera helix</i>	Invasive	
Giant Hogweed	<i>Heracleum mantegazzianum</i>	Invasive	
Dame's Rocket	<i>Hesperis matronalis</i>	Invasive	GV20-GV22
Japanese Hops	<i>Humulus japonicus</i>	Invasive	
Hydrilla	<i>Hydrilla verticillata</i>	Invasive/Prohibited Plant Species/ Pest Species	
European Frogbit	<i>Hydrocharis morsus-ranae</i>	Invasive/Prohibited Species	
Indian Swampweed/Miramar Weed	<i>Hygrophilia polysperma</i>	Invasive/Prohibited Species	
St. John's Wort	<i>Hypericum perforatum</i>	Invasive	
Japanese Blood Grass	<i>Imperata cylindrica 'Rubra</i>	Invasive Tendencies; becoming a noxious weed	
Chinese Water Spinach	<i>Ipomoea aquatic</i>	Invasive/Prohibited Plant Species	
Yellow Iris	<i>Iris pseudacorus</i>	Invasive/Prohibited Plant Species	
Korean Lespedeza	<i>Kummerowia stipulacea</i>	Invasive	
Striate Lespedeza	<i>Kummerowia striata</i>	Invasive	
Oxygen-weed/African Elodea/ African Waterweed	<i>Lagarosiphon major</i>	Invasive/Prohibited Plant Species	



Common Name	Scientific Name	Undesirable Traits	Alternatives
Pepperweed	<i>Lepidium latifolium</i>	Invasive	
Bicolor Lespedeza	<i>Lespedeza bicolor</i>	Invasive	
Sericea Lespedeza	<i>Lespedeza cuneata</i>	Invasive	
Lyme Grass/ Sand Ryegrass	<i>Leymus arenarius / Elymus arenarius</i>	Invasive	
Amur Privet	<i>Ligustrum amurense</i>	Invasive	S85
Blunt Leaved Privet/Border Privet	<i>Ligustrum obtusifolium</i>	Invasive	S85
California Privet	<i>Ligustrum ovalifolium</i>	Invasive	S85
Chinese Privet	<i>Ligustrum sinense</i>	Invasive	S85
Common Privet	<i>Ligustrum vulgare</i>	Invasive	S85
Asian Marshweed	<i>Limnophila sessiliflora</i>	Invasive/Prohibited Plant Species	
Japanese Honeysuckle	<i>Lonicera japonica</i>	Invasive	GV17, GV18
Amur Honeysuckle (Asian Bush Honeysuckle)	<i>Lonicera maackii</i>	Invasive	T12-T15, S34, S48
Morrow's Honeysuckle (Asian Bush Honeysuckle)	<i>Lonicera morrowii</i>	Invasive	T12-T15, S11, S48, S69, S70, S51, S73
Bush Honeysuckle	<i>Lonicera spp.</i>	Invasive	T12-T15, S11, S48, S69, S70, S51, S73
Tartarian Honeysuckle (Asian Bush Honeysuckle)	<i>Lonicera tatarica</i>	Invasive	T12-T15, S11, S48, S69, S70, S51, S73
Bella Honeysuckle (Asian Bush Honeysuckle)	<i>Lonicera x bella</i>	Invasive	T12-T15, S11, S48, S69, S70, S51, S73
Creeping Jenny	<i>Lysimachia nummularia</i>	Invasive	
Moneywort	<i>Lysimachia nummularia</i>	Invasive	
Purple Loosestrife	<i>Lythrum salicaria</i>	Invasive/Prohibited Plant Species	GV6, GV15-GV16, GV23
Osage-Orange	<i>Maclura pomifera</i>	Invasive tendencies; weak wooded	
Sweet Clover	<i>Melilotus spp.</i>	Invasive	
Japanese Stiltgrass	<i>Microstegium vimineum</i>	Invasive	
Chinese Maiden Grass/ Chinese Silvergrass	<i>Miscanthus sinensis</i>	Invasive	
Miscanthus Hybrid	<i>Miscanthus x gigantea</i>	Invasive	
Monochoria / Arrowleaf / False Pickerelweed	<i>Monochoria hastata</i>	Prohibited Plant Species	
Heartshape / False Pickerelweed	<i>Monochoria vaginalis</i>	Prohibited Plant Species	
White Mulberry	<i>Morus alba</i>	Invasive	
Parrot Feather	<i>Myriophyllum aquaticum</i>	Invasive/Prohibited Plant Species	
Eurasian Watermilfoil	<i>Myriophyllum spicatum</i>	Invasive/Prohibited Plant Species	
Brittle Naiad	<i>Najas Minor</i>	Invasive/Prohibited Plant Species	
Yellow Floating Hearts	<i>Nymphoides peltata</i>	Invasive/Prohibited Plant Species	
Star-of-Bethlehem	<i>Ornithogalum umbellatum</i>	Invasive	



Common Name	Scientific Name	Undesirable Traits	Alternatives
Duck Lettuce	<i>Ottelia alismoides</i>	Invasive/Prohibited Plant Species	
Wild Parsnip	<i>Pastinaca sativa</i>	Invasive	
Princess Tree	<i>Paulownia tomentosa</i>	Invasive	
Reed Canary/Ribbon Grass	<i>Phalaris arundinacea</i>	Invasive	O3, O13, O17
Amur Cork Tree	<i>Phellodendron amurense</i>	Invasive	
Reed Grass	<i>Phragmites australis</i>	Invasive	
Common Reed	<i>Phragmites australis ssp australis</i>	Invasive	
Japanese Knotweed	<i>Polygonum cuspidatum/Fallopia japonica</i>	Invasive	S6, S19, S53
Mile-A-Minute	<i>Polygonum perfoliatum/Persicaria perfoliata</i>	Invasive	
Curly-Leaved Pondweed	<i>Potamogeton crispus</i>	Invasive/Prohibited Plant Species	
Kudzu	<i>Pueraria lobata</i>	Invasive/Pest Species	
Callery Pear	<i>Pyrus calleryana</i>	Invasive	
Ornamental Pear	<i>Pyrus species</i>	Weak Branching/Invasive	
Sawtooth Oak	<i>Quecus acutissima</i>	Invasive	
Lesser Celandine	<i>Ranunculus ficaria</i>	Invasive	
Common Buckthorn	<i>Rhamnus cathartica</i>	Invasive	T21, S20, S57, T125, T126
Jetbead	<i>Rhodotypos scandens</i>	Invasive	
Black Locust	<i>Robinia pseudoacacia</i>	Shallow; invasive roots	
Mutiflora Rose	<i>Rosa multiflora</i>	Invasive/Prohibited Plant Species	
Wineberry/Wine Raspberry	<i>Rubus phoenicolasius</i>	Invasive	
Arrowhead	<i>Sagittaria sagittifolia</i>	Prohibited Plant Species	
Willow	<i>Salix species</i>	Invasive roots; weak wood	
Giant Salvinia	<i>Salvinia auriculata/biloba/herzogii</i>	Prohibited Plant Species	
Aquarium Watermoss/Giant Salvinia	<i>Salvinia molesta</i>	Prohibited Plant Species	
Bouncing bet/Soapwort	<i>Saponaria officinalis</i>	Invasive	
Bur Cucumber	<i>Sicyos angulatus</i>	Noxious Weed	
Perennial Sow Thistle	<i>Sonchus arvensis</i>	Noxious Weed	
Moutain Ash	<i>Sorbus spp.</i>	Do not use due to suceptibility to borers, bacterial fireblight, aphids, sawfly, scale, and scab	
Sorghum alnum	<i>Sorghum alnum</i>	Noxious Weed	
Johnson Grass	<i>Sorghum halapense</i>	Invasive/Noxious Weed	
Exotic Bur-reed	<i>Sparganium erectum</i>	Prohibited Plant Species	
Japanese Meadowsweet	<i>Spiraea japnoica</i>	Invasive	
Spreading Hedgeparsley	<i>Torilis arvensis</i>	Invasive	

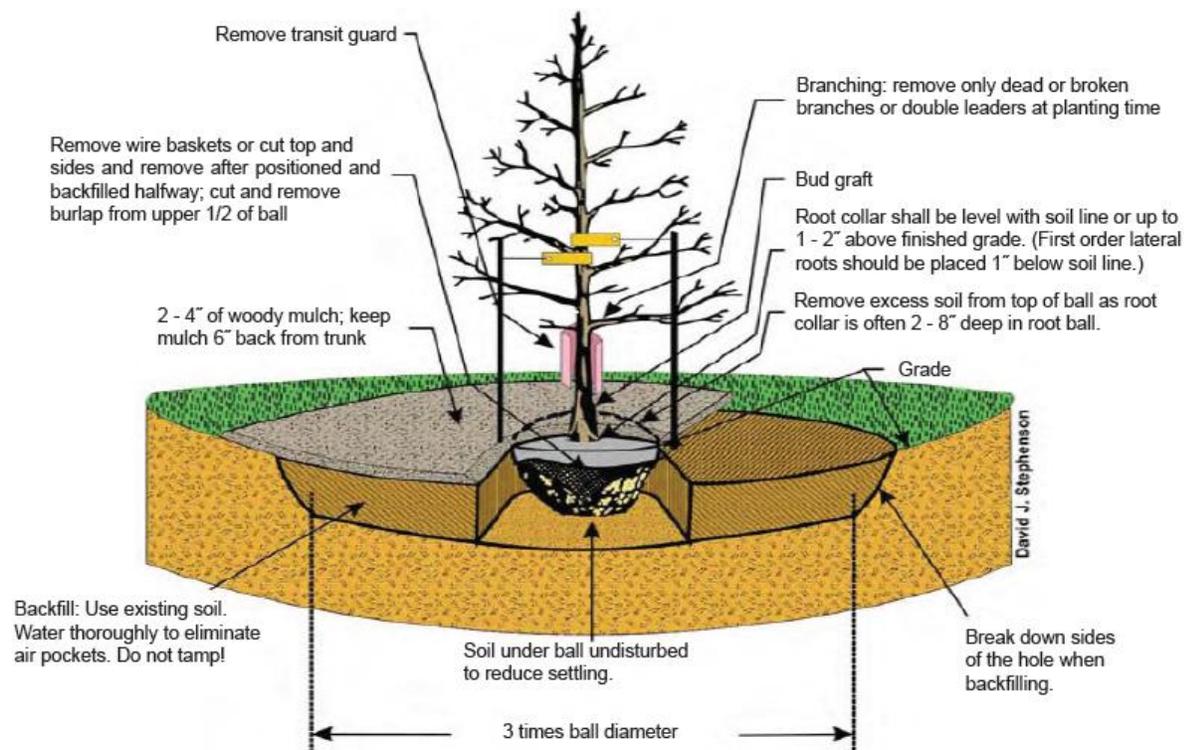


Common Name	Scientific Name	Undesirable Traits	Alternatives
Japanese Hedgeparsley	<i>Torilis japonica</i>	Invasive	
Water Chestnut	<i>Trapa natans</i>	Invasive/Prohibited Plant Species	
Narrow-leaved Cattail	<i>Typha angustifolia</i>	Invasive/Prohibited Plant Species	
Hybird Cattail	<i>Typha x glauca</i>	Invasive	
American Elm	<i>Ulmus americana</i>	Do not use duw to Dutch Elm Disease	
Siberian Elm	<i>Ulmus pumila</i>	Invasive; Weak wood; susceptible to disease	T49, T132
European Cranberry-Bush	<i>Viburnum opulus var. opulus</i>	Invasive	
Highbush Cranberry	<i>Viburnum trilobum</i>	Invasive	
Vetch	<i>Vicia cracca</i>	Invasive	
Large-leaved Periwinkle	<i>Vinca Major</i>	Invasive	
Periwinkle	<i>Vinca Minor</i>	Invasive	GV3, GV24
ChineseWisteria	<i>Wisteria Sinensis</i>	Invasive	

**C.9 Helpful Information/Glossary**

District boundaries on the Official Zoning Map shall be interpreted as follows:

**Tree Planting Care Basics**



Stake only if you have to. Use 2-3"-wide webbing straps secured to stakes with heavy gauge wire (using wire only will damage the tree). The wire should run straight from the stake and hold the webbing strap up. Do not stake tightly. Remove all stakes after one year.



## Glossary

- **Acid soil** is commonly found in areas with sandy soil, an abundance of organic matter, and heavy rainfall; the pH is below 7
- **Asian long-horned beetle (ALB)** is a exotic beetle that attacks hardwood trees, such as maple, elm, horsechestnut, ash, birch, poplar, and willow, among others.
- **Cultivar** is an organism and especially one of an agricultural or horticultural variety or strain originating and persistent under cultivation
- **Drought** is a prolonged shortage of rainfall which can be very dangerous to some plant species.
- **Dry soil** includes solid particles that don't hold water; dries out quickly
- **Emerald ash borer (EAB)** is an exotic beetle whose larvae feast on the inner bark of ash trees.
- **Moist well-drained soil** includes particles that hold some water but also holds oxygen, resulting in adequate drainage
- **Poor soil** includes soil containing little organic matter content
- **Rich soil** includes soil containing a high organic matter content
- **Salt resistant** refers to plants that are resistant to winter salting. Many plant species are sensitive if planted close to sidewalk or streets that are salted in the winter.
- **Sandy soil** consists of larger particles and low organic matter; dries out quickly.
- **Soil compaction** occurs when heavy weight (for example construction, heavy foot traffic, etc.) compresses the soil around the plant, causing the soil to lose pore space. This soil becomes less able to absorb water.
- **Urban tolerant** is the adjective used to describe a plant that does well if planted in urban areas such as busy sidewalks and streets where exposed to winter salting, noise, traffic and heat reflection.
- **Wet soil** holds water well and dries out slowly
- **Windbreak** is a plantation usually made up of one or more rows of trees or shrubs planted in such a manner as to provide shelter from the wind and to protect soil from erosion. In some cases specific plant species themselves need a windbreak to protect them against freezing. In this situation these plants should be planted so that they have some sort of wall for protection from the northwest.



**APPENDIX D:  
OFFICIAL PARKING STANDARDS**







## APPENDIX D OFFICIAL PARKING STANDARDS

- D.1 Minimum Setback Distances for Parking/Loading Areas
- D.2 Minimum Parking Space Requirements

### D.1 Minimum Setback Distances for Parking/Loading Areas

A parking or loading space for any of the following uses may not be located closer to a residential zoning district than the distance, in lineal feet, prescribed below.

<u>Use</u>	<u>Parking Area</u>	<u>Loading Area</u>
Airport	25 feet	100 feet
Commercial facilities for raising/breeding non-farm fowl and animals	25 feet	100 feet
Commercial greenhouse	N/A	50 feet
Junk Yard	1,320 feet	1,320 feet
Mineral extraction, borrow pit, topsoil removal or storage	N/A	N/A
Outdoor commercial recreation uses	25 feet	50 feet
Penal or correctional institution	300 feet	300 feet
Private recreational development	25 feet	50 feet
Sales barn for livestock sale	50 feet	100 feet
Truck terminal	100 feet	100 feet
Wholesale produce terminal	100 feet	100 feet



**D.2 Minimum Parking Space Requirements**

Use	Minimum Parking Requirements
Agriculture, crops only	1 space per employee on the largest shift
Airport or heliport	1 per 2 employees plus 1 per passenger based on daily transient aircraft
Animal services; kennel	3 spaces per 1,000 sq.ft. of gross floor area
Animal services; miscellaneous	1 space per 250 sq.ft. of gross floor area
Animal services; veterinary	1 space per 2 employees
Art or music school	3 spaces per 1,000 sq.ft. of gross floor area
Assisted living facilities	1 space per 4 beds and 1 space per employee
Attached single-family dwellings	2 spaces per dwelling unit
Auto or motorcycle sales	2 spaces per 1,000 sq.ft. of enclosed gross floor area; plus 1 space per 2,500 sq.ft. gross floor area of open sales area; plus 2 spaces per service bay; plus 1 space per employee
Automotive service; major	1 space per service bay and 1 space per employee
Automotive service; minor	1 space per service bay and 1 space per employee
Automobile or trailer sales area	1 per 1,000 sq.ft. used for retail
Bars, taverns and lounges	1 space per 4 persons at maximum occupancy
Bed and Breakfast inns	1 space per guest room; plus 2 for employees and/or owners
Car rental	2 spaces per 1,000 sq.ft. of gross floor area
Cemeteries or crematory	1 per 2 employees plus 1 per 4 seats
Charitable institutions	1 space per 4 persons at maximum capacity
Children's homes, group homes and institutions	A group home alone shall have a minimum of 4 off-street parking spaces
Church, temple and other institutions of worship	1 per 4 seats in main auditorium
Civic, social, religious, political or fraternal organization	1 space per 4 persons at maximum capacity
Colleges and universities	1 space for every 3 employees and members of staff and 1 for every 3 full time students not residing on campus
Commercial entertainment facilities; excluding adult uses and including but not limited to: bowling alleys, skating, night clubs and dinner theater	1 space per 4 seats, or 1 space per 4 people at maximum capacity
Commercial greenhouse	1 per 3 employees, plus 1 per 125 sq.ft. of enclosed sales area
Commercial recreational facilities	1 space per 4 seats, or 1 space per 4 people at maximum capacity
Condominiums (per I.C. 36-1-6 as amended)	See Multifamily requirements
Convenience store; local	3 spaces per 1,000 sq.ft. of gross floor area of sales area and 1 space per employee



Use	Minimum Parking Requirements
Convenience store; neighborhood	2 spaces per 1,000 sq.ft. of gross floor area of sales area and 1 space per employee
Convenience store; regional	4 spaces per 1,000 sq.ft. of gross floor area of sales area and 1 space per employee
Dance halls, studios, schools	1 per 200 sq.ft. of gross floor area
Day care; centers and nursery schools	1 per 2 employees plus 1 per 5 children
Day care; home	1 space per employee plus dwelling unit requirements
Elementary and secondary schools (up to grade 12)	(K-8) 1 space per classroom; plus 1 space per employee (9-12) 1 space per 4 students; plus 1 space per employee
Fire, police or postal stations	1 per 3 employees on shift
Fraternity, sorority or student housing	1 space per 3 persons based upon the approved maximum building occupancy
Fuel dealer	1.5 space per fuel nozzle, plus 3 spaces per 1,000 sq.ft. of enclosed floor area
Funeral home	1 space per 4 seats, plus 1 per 2 employees
Golf courses, driving ranges and miniature golf course	1 per 2 employees, plus 3 per golf hole
Group homes (developmentally disabled)	A group home shall have a minimum of 4 off-street parking spaces
Group homes (mentally disabled)	A group home shall have a minimum of 4 off-street parking spaces
Health and fitness center	5 spaces per 1,000 sq.ft. of gross floor area
Health services	1 per employee plus 8 per doctor
Heating and electrical power plant	1 space per employee at largest shift
Home occupations	Dwelling unit requirements
Hospitals	1 per 4 beds, plus 1 per doctor, plus 1 per 3 employees, plus 1 per hospital vehicle
Hotels, motels and rooming houses	1 per 3 employees , plus 1 per sleeping room
Indoor recreational facility	1 space per 4 seats or 1 space per 4 people at a maximum
Industrial warehouse	1 space per 3 employees on the largest shift, plus 1 space per vehicle used in the operation of the industry
Industry; heavy	1 per 3 employees on the largest shift, plus 1 space per vehicle used in the operation of the industry
Industry; light	1 per 2 employees on the largest shift, plus 1 space per vehicle used in the operation of the industry
Junior college and technical institute	1 space for every 3 employees and members of the staff and 1 for every 3 full time students not residing on campus
Landfill, salvage yard, junk yard	1 per 2 employees on the largest shift, plus 1 space per vehicle used in the operation of the industry
Libraries and information center	1 per 125 sq.ft. of gross floor area
Liquor store (carry-out only)	3 spaces per 1,000 sq.ft. of gross floor area
Manufacturing, use, or storage of explosives	1 space per employee on the largest shift, plus 1 space per vehicle used in the operation of the industry



Use	Minimum Parking Requirements
Medical and dental labs	3 spaces per 1,000 sq.ft. of floor area up to 20,000 sq.ft.; plus 2 spaces per 1,000 sq.ft. of floor area greater than 20,000 sq.ft.
Medical clinic	1 space per exam room and 1 space per employee
Mining and excavation	1 space per employee on the largest shift, plus 1 space per vehicle used in the operation of the industry
Mobile home park or travel trailer park	2 spaces per mobile home or trailer stand
Mortuary	1 space per employee and 1 space per vehicle used in operation
Motor freight transportation, warehouse and truck freight turner	1 space per employee and 1 space per vehicle used in operation
Multi-family dwellings	1.75 spaces per dwelling unit
Municipal or government buildings	3 spaces per 1,000 sq.ft. of gross floor area
Museums, art galleries, botanical and zoological gardens	2 spaces per 1,000 sq.ft.
Nursing home; personal care facility	1 space per 4 beds and 1 space per employee
Office research park	3 spaces per 1,000 sq.ft. of net floor area up to 20,000 sq.ft.; plus 2 spaces per 1,000 sq.ft. of net floor area greater than 20,000 sq.ft.
Outdoor recreation facility	1 space per 3 employees, plus 1 per 500 sq.ft.of use
Plant nurseries	1 space per 3 employees, plus 1 per 500 sq.ft.of use
Police stations or fire stations	1 space per 3 employees on shift
Private clubs, lodges or camps	1 space per 50 sq.ft.of gross floor area
Private school	(K-8) 1 space per classroom; plus 1 space per employee, (9-12) 1 space per 4 students; plus 1 space per employee
Professional service; accounting, auditing, bookkeeping, public finance, notary public and taxation	1 space per 300 sq.ft. of gross floor area
Professional service; advertising, personnel, supplies	1 space per 300 sq.ft. of gross floor area
Professional service; educational services	1 space per every 3 employees and 1 space for every 3 students
Professional service; engineering, architectural, real estate	1 space per 300 sq.ft. of gross floor area
Professional service; laundry, photographic studio, beauty shop, barber, tailoring, etc.	1 space per 300 sq.ft. of gross floor area
Professional service; legal	1 space per 300 sq.ft. of gross floor area
Professional service; misc. services	1 space per 300 sq.ft. of gross floor area
Professional service; non-commercial research organizations (no labs)	1 space per 300 sq.ft. of gross floor area



Use	Minimum Parking Requirements
Professional service; physicians and dentists	1 space per employee, plus 8 per doctor
Professional service; social services	3 spaces per 1,000 sq.ft. of gross floor area
Public campground	1 space per camp site, plus 1 space per cabin
Public water wells, water stations, filtration plants, reservoirs and storage tank	1 space per employee per shift
Race team headquarters	1 space per 3 employees
Race track	1 space per 4 seats at maximum capacity
Radio or television station or studio	1 space per employee per shift
Railroad; switching and terminal services	1 space per 2 employees where headquartered
Railroad; transportation	1 space per 10 seats in waiting room, plus 1 space per 2 employees of connected retail use
Recycling facility	1 space per employee
Restaurant	1 space per 3 seats; plus 1 space per 2 employees
Retail; apparel and accessory stores	1 space per 300 sq.ft. of gross floor area
Retail; building materials, hardware, garden, home improvement, farm implements	1 space per 300 sq.ft. of gross floor area
Retail; department store	1 space per 300 sq.ft. of gross floor area
Retail; drug stores, florist, personal services	1 space per 300 sq.ft. of gross floor area
Retail; food stores	1 space per 300 sq.ft. of gross floor area
Retail; furniture, equipment, appliances, furnishings	1 space per 300 sq.ft. of gross floor area
Retail; misc.	1 space per 300 sq.ft. of gross floor area
Retail; music, video, photography	1 space per 300 sq.ft. of gross floor area
Retail; novelty, gift, souvenir store, excluding adult stores	1 space per 300 sq.ft. of gross floor area
Retail; professional service	1 space per 300 sq.ft. of gross floor area
Retail; recreation	1 space per 300 sq.ft. of gross floor area
Retail; toy, hobby, game	1 space per 300 sq.ft. of gross floor area
Shopping center	1 space per 150 sq.ft. of sales area
Single-family dwellings	2 spaces per dwelling unit
Stadium or coliseum, amphitheater	3 spaces per 4 employees, plus 1 space per 4 seats
Telephone exchange or public utility station	1 space per employee
Townhouse	2 spaces per dwelling unit
Trade or business school, including college and universities	1 space per 3 students and 1 space per 2 employees per shift
Two-family dwellings	2 spaces per dwelling unit



Use	Minimum Parking Requirements
Warehouse and distribution operation	1 space per employee; plus 3 spaces per 1,000 sq.ft. of sales floor open to the public
Wireless communications facility	1 space for maintenance

**APPENDIX E:**  
**OFFICIAL PARKING SCHEDULE**







FOR EVERY...	...the following number of parking spaces is required...
Employees per shift: for each employee working on the largest shift (for multi-shift operations ample parking spaces to accommodate shift changes shall be provided)	1
Business Vehicles: for each vehicle stored on-site	1
Dwelling units: for each dwelling unit on-site	2
<b>...in addition to...</b>	
<b>Commercial Use</b>	
Auto-oriented facility: for every 200 square feet in any car wash, repair, or modification facility	1
Dealerships: for each vehicle or mobile home on display at an auto/boat/RV/farm implement/manufactured home dealership (of an appropriate size, and to be used for the storage of each vehicle)	1
Hotel/Motel: for each sleeping unit in any hotel, motel or bed and breakfast	1
Retail, small: for every 300 square feet in a personal service business, beauty or barber shop, or dry-cleaners	1
Retail, medium: for every 300 square feet of gross floor area retail space in all convenience stores, gas stations, greenhouses, grocery stores, department stores, and other retail facilities	1
Retail, large: for every 400 square feet of gross floor area in all hardware, home improvement, furniture, and large appliance stores	1
Sales facility show rooms: for every 500 square feet in all auto/boat/RV/or farm implement sales facility show rooms	1
Self-storage facility: for every 5,000 square feet at a self-storage facility	1
<b>Office Use</b>	
Arts/public space: for every 300 square feet in any library, museum or gallery	1
Medical/dental office: for every 250 square feet of gross floor area in any medical or dental office or clinic	1
Professional office: for every 300 square feet in any administrative or professional business office or bank	1
<b>Public/Institutional Use</b>	
Airport: for every 5 hangar or tie-down spaces at an airport or heliport	1
College/university: for every 2 on-campus residents of a resident-student based college or university	1
Day care: for every 6 children, permitted by capacity, in any day care facility	1
Educational facility, after high school: for every 4 students for which a community college, business, vocational trade, or other commuter-based school is designed	1
Hospital/nursing home: for every 4 patient beds at a hospital or nursing home	1
Penal/correctional institution: for every 10 inmates for which a penal or correctional institution is designed	1
Elementary/middle school: for every classroom for which an elementary or middle school is designed. See also the Gathering Space requirement for additional requirements	2
High School: for every 20 students for which a high school is designed. See also the Gathering Space requirement for additional requirements	1
<b>Recreation/Assembly Use</b>	
Bowling alley: for every lane at a bowling alley	5
Camping facility: for every camp site or cabin at a camp ground	1



FOR EVERY...	...the following number of parking spaces is required...
<b><i>Recreation/Assembly Use (cont.)</i></b>	
Gathering space, non-business: for every 3 seats in a restaurant, auditorium, gymnasium, stadium, grand stand, funeral home, church (or other place of worship), or movie theater	1
Golf course: for every 9 holes at any golf course	20
Nature area: for every 1/2 acre of area included in a nature area	1
Recreational facility, sports: for every field or court at a sports or recreation facility	20
Recreational facility, water based: for every 100 square feet of recreational area at a swimming pool greater than 24 inches, skating rink, or public lake	1
Recreational facility, other: for every 200 square feet of gross floor area in any fitness center, dance academy, health spa, private lodge or club, or entertainment center	1

**APPENDIX F:**  
**SIGN STANDARDS**







STANDARDS	ZONING DISTRICT					
	P=Permitted S=Special Exception	R1,R2,R3	R4,R5	CS, CG	CO	CH,A
<b>Permitted Sign Types</b>						
Wall Sign	P(minor)	P(minor)	P	P	P	P
Awning Sign			P	P	P	P
Projecting Sign, provided there is only one per business			P	P	P	P
Window Sign	P	P	P	P	P	P
Yard Sign	P	P	P			
Ground/monument Sign	P	P	P	P	P	P
Changeable Copy Sign			P	P	P	P
Electronic Message Board			P	P	P	P
Time & Temperature Sign Component			P	P	P	P
<b>General Sign Standards</b>						
Yard Sign (max square feet)	4	4	4			
Yard Sign (max height)	4	4	4			
Wall (minor) Sign (max square feet)	1	1	4	4	4	4
Wall Sign (max square feet)		100	100	200	200	200
Wall Sign (Upper floor) (max square feet)			50	50	50	50
Projecting Sign (max square feet)			24	24	24	24
Ground/Monument Sign (max square feet)	32	32	36	36	36	36
Ground/Monument Sign (max height)	6	6	6	6	8	8
Unified Development Sign Area (max square feet)						
5 acres < 20 acres			100	100	100	100
20<			150	150	150	150
Unified Development Sign (max height)						
5 acres < 20 acres			10	10	10	10
20<			16	16	16	16
Window Sign Area Coverage (max)	10%	10%	25%	25%	25%	25%
<b>Sign Area Calculation</b>						
Building Frontage/Wall Sign Size Ratio (the total sign area permitted, per use)	Ground/ monument style only	1.5 square feet for each linear foot of building frontage	1.5 square feet for each linear foot of building frontage	2 square feet for each linear foot of building frontage	2 square feet for each linear foot of building frontage	2 square feet for each linear foot of building frontage
Aggregate Sign Area (max square feet)	32	100	200	200	200	200

