

ARTICLE 1400

LANDSCAPING, SCREENING AND BUFFERING

Sec. 1400.01 Objectives for landscaping, screening and buffering regulations .

It is the purpose of this article to establish regulations that pertain to landscaping within the City of Bentonville, Arkansas. The goal is to promote and preserve trees, increase the overall tree canopy, and beautify the built environment within the City of Bentonville to reach the following objectives:

- (a) Decrease the overall cost of development by decreasing the cost of storm water systems and facilities.
- (b) Help create a healthier environment by decreasing chemicals and sediments that wash into the water supply, decrease CO₂ (carbon dioxide) and increase oxygen.
- (c) Increase the value of property.
- (d) Improve the physical appearance and visual character of the city.
- (e) Create and improve the living environment of the city.
- (f) Negate the urban heat island effect.
- (g) Support and promote Bentonville’s “Tree City USA” designation.

(Code 1994; Ord. No. 98-98, § 1-2, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019- 57, § 6, 04-09-2019)

Sec. 1400.02 Applicability of landscaping, screening and buffering regulations .

This article shall apply to the following:

- (a) All development that is required to obtain a certificate of occupancy.
- (b) Parking lots that require large scale development approval.
- (c) Residential preliminary plats.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2012-58, § 8, 07-24-2012; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.03 Exemptions from landscaping, screening and buffering regulations.

(a) *Previous approval.* Developments that have been approved and permitted to begin building construction prior to the adoption of this Article shall be exempt.

(b) *Downtown districts.* Development and redevelopment in the DC, Downtown Core and the DE, Downtown Edge zoning districts shall be exempt from *Sec.1400.06 Street Frontage Buffer Landscaping* and *Sec. 1400.15 Minimum tree size at time of planting.* DC, Downtown Core shall be exempt from *Sec. 1400.07 Perimeter landscape requirements.* Both DC and DE zoning districts, however, shall be subject to *Sec. 1400.16 Downtown districts landscaping requirements*

(c) *Residential.* Newly constructed single and two-family residential structures shall be exempt from this Article with the exception of *Sec. 1400.10 Residential tree planting required.*

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(d) *Municipal Airport*. Development subject to the design standards for the Bentonville Municipal Airport shall be exempt from this article with the exception of *Sec. 1400.18 Municipal Airport landscaping requirements*.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2009-11, § 6; Ord. No. 2010-71, § 7, 11-23-2010; Ord. No. 2012-58, § 9, 07-24-2012; Ord. No. 2016-30, 02-09-16; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2016-30, § 2, 02-09-2016; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.04 General standards for landscaping, screening and buffering.

(a) *Sight distance requirements*. All landscaping and screening shall comply with the areas to be kept clear of all sight obstructions as set forth in *Sec. 1100.01(f) Sight distances at driveways and intersections*, unless otherwise approved by the City Engineer.

(b) *Wheel stops*. Except as provided below, all landscaped areas at the front line of off-street parking spaces shall be protected from encroachment or intrusion of vehicles through the use of wheel stops or curb and gutter.

(1) *Minimum height*. Wheel stops shall have a minimum height of six (6) inches above finished grade of the parking area.

(2) *Anchoring*. Wheel stops shall be properly anchored and shall be continuously maintained in good condition by the property owner.

(3) *Location*. Wheel stops shall not be placed in locations of anticipated pedestrian traffic.

(c) *Soil and climactic conditions*. Trees and other vegetation shall be planted in soil and climactic conditions which are appropriate for the growth habits. Trees and plants used in the landscape design shall to the greatest extent be:

(1) Have non-invasive growth habits.

(2) Encourage low maintenance, high quality design.

(3) Be otherwise consistent with the intent of this article.

(d) *Right-of-way*. Trees may be planted in the public right-of-way.

(e) *Tree species selection*. Trees required by, or provided in compliance with, this Article shall be chosen from the list located in *Sec. 1400.13 Approved tree list*.

(f) *Mulch*. At the time of planting and for the life of the tree, all tree root areas shall be mulched with a minimum four (4) foot diameter ring of mulch, three (3) to four (4) inches deep. Mounding or piling mulch against the tree trunk is prohibited. Organic mulch such as shredded bark mulch, pecan hulls, cotton seed hulls or cypress mulch shall be used.

(g) *Groundcover materials*. Groundcover should be planted to minimize the impact of expansive areas without plant coverage.

(1) *Living material*. Living materials, such as lawn grass or herbaceous groundcovers like juniper or lirioppe, etc., shall cover a minimum of eighty percent (80%) of the landscaped street frontage buffer. Herbaceous groundcover shall be planted and maintained in a mulched bed. One hundred percent (100%) of living materials is strongly encouraged.

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- (2) *Non-living material.* Organic mulch such as shredded bark mulch, pecan hulls, cotton seed hulls or cypress mulch may cover up to twenty percent (20%) of the landscaped street frontage buffer. Weed barrier or pre-emergence herbicides shall be installed or applied.
- (3) *Prohibited.* Gravel, concrete, brick pavers or other pavement is prohibited.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.05 Landscape plan requirements.

(a) *Standards.*

- (1) The landscape plan shall be prepared and sealed by a licensed landscape architect.
- (2) The spacing of all trees and plants shall be designed to accommodate the mature height and width of the tree and plant.
- (3) If after a period of time, the owner wishes to renovate fifty percent (50%) or more of the total landscape areas or fifty percent (50%) or more of the total number of plants at an existing development, a new landscape plan that meets the current regulations of this Article shall be submitted to the Current Planning Department for an in-house administrative review.

(b) *Items to be provided on the landscape plan.* The landscape plan for all development shall provide all information and details listed below.

- (1) *Street frontage buffer landscaping* as required by and in compliance with this article.
- (2) *Perimeter landscaping* as required by and in compliance with this article.
- (3) *Interior parking lot landscaping* as required by and compliance with this article.
- (4) *Screening* as required by and in compliance with this article.
- (5) *Existing vegetation.* Location, type and quality of trees and other vegetation shall be inventoried by a licensed landscape architect, certified arborist, or horticulturalist.
- (6) *Preservation.* Location of existing trees and other vegetation to be saved.
- (7) *Protection.* Methods and details for protecting existing trees and other vegetation during construction and approved sediment control plan, if available.
- (8) *Tree location and type.* Location of all trees to be planted and a tree list including the common name, scientific name, caliper size, height at maturity and quantity. Trees referred to in this section shall be chosen from the approved list located in Sec. 1400.13 Approved Tree List.
- (9) *Plants.* Location of all plants and a plant list including the common name, size and quantity.
- (10) *Other landscaping improvements.* Location of all other landscaping improvements including benches, paving, screens, fountains, statues or other landscape features.
- (11) *Maintenance.* Description of maintenance provisions and a maintenance schedule shall be submitted with the landscape plan.

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- (12) *Maintenance guarantee statement.* A note shall be added to the landscape plan that states, once installed, landscaping shall be maintained in healthy living condition and all plant material that dies shall be replaced.
- (13) *Tree topping guarantee statement.* A note shall be added to the landscape plan that states, trees shall not be topped at any time and proper tree pruning techniques as established by the latest edition of ANSI A300 “Standards for Tree Care” shall be utilized for maintenance purposes.
- (14) *Tree removal guarantee statement.* A note shall be added to the landscape plan that states, healthy trees shall not be removed at any time and proper tree pruning techniques as established by the latest edition of ANSI A300 “Standards for Tree Care” shall be utilized for maintenance purposes.
- (15) *Sight distances.* The sight distance, as described in *Sec 1400.04(a) Sight distances*, shall be indicated on the plan with a dimensioned shaded area.

(Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.06 Street frontage buffer landscaping required.

(a) *Description.* The landscaped street frontage buffer is the planting area parallel to and including the public street right-of-way. Street trees shall be planted in the right-of-way. Exceptions may be made where significant utility conflicts exist.

(b) *Applicability.* Unless otherwise exempt in this Article, all development shall provide a landscaped street frontage buffer consistent with the provisions of this section. For preliminary plats, this shall only apply to the exterior of the plat adjacent to a public right-of-way.

(c) *Minimum buffer width.* The landscaped street frontage buffer shall be a minimum of twenty (20) feet and is the planting area parallel to and including the public street right-of-way. Where significant private utility conflicts exist, adjustments shall be made so that trees are planted outside of the private easement but remain in an area parallel to the street right-of-way in a location approved by the director.

(d) *Number of trees required.* Shade trees shall be provided at a minimum rate of one (1) shade tree per every twenty (20) linear feet or fraction thereof of street frontage. When possible, it is encouraged and preferred that trees not be evenly spaced.

(e) *Clustering or grouping.* Clustering or grouping of shade trees is encouraged and preferred for a decorative effect following professional landscaping standards for spacing, location and design.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2009-11, § 6; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.07 Perimeter landscape strip required.

(a) *Description.* Perimeter landscaping is a planting strip along the rear and side lot lines that includes landscaping and screening, if required.

(b) *Applicability.* Unless otherwise exempt in this Article, all development, except preliminary plats, shall provide a perimeter landscape strip along rear and side lot lines consistent with the provisions of this

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Section. Where cross-access is provided along rear and/or side lot lines, adjustments to place required trees elsewhere on the site is allowed.

(c) *Minimum width.* The perimeter landscape strip shall be a minimum width of seven (7) feet and is required for each development regardless if a perimeter landscape strip is already in place from an adjacent, developed lot.

(d) *Number of trees required.* Trees shall be provided at a minimum rate of one (1) tree per every fifty (50) linear feet or fraction thereof. When possible, it is encouraged and preferred that trees not be evenly spaced. Use of both shade and ornamental trees is allowed as long as a minimum of fifty percent (50%) are shade trees.

(e) *Screening.* If screening is required by *Sec. 1400.09 Screening requirements*, that section shall be used to determine the type of screen, and if required, shall be included in the perimeter landscape strip.

(f) *Clustering or grouping.* Clustering or grouping of trees is encouraged and preferred for a decorative effect following professional landscaping standards for spacing, location and design.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2009-11, § 6; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.08 Interior parking lot landscaping required.

(a) *Description and purpose.* Interior parking lot landscaping is the planting area within and adjacent to parking areas and adjacent to the structure. The interior parking lot landscaping serves several purposes.

- (1) It provides necessary green space to give relief to expansive parking areas.
- (2) Trees provide shade and serve as windbreaks.
- (3) Planting islands assist with vehicular circulation.
- (4) Negates the urban heat island effect.

(b) *Applicability.* Unless otherwise exempt in this article, interior parking lot landscaping requirements shall apply to all parking lots that have six (6) or more parking spaces consistent with the provisions of this section. Interior parking lot landscaping shall be provided within and adjacent to parking areas and adjacent to the structure.

(c) *Minimum area required.* The percent of the total area of parking lot dedicated to interior landscaping shall be provided in accordance with the table below.

INTERIOR GREENSPACE REQUIREMENTS.	
Total area of parking lot	Minimum percent dedicated to interior greenspace
3,000-49,999 sq. ft.	8%
50,000-149,000 sq. ft.	10%
150,000 sq. ft. or larger	15%

- (1) *Calculating lot area.* The total area of interior parking lot landscaping required is determined by figuring eight percent (8%), ten percent (10%), or fifteen percent (15%) of the total parking lot area as explained below.
- (2) *Corner islands.* Corner islands may not be counted toward interior greenspace requirements.

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(d) *Wheel stops or curbs.* Interior landscaped areas shall be protected from vehicular encroachment through appropriate curbs or wheel stops as described in *Sec. 1400.04(b) Wheel stops.*

(e) *Number of trees required.* Trees shall be provided at a minimum rate of one (1) tree per 125 square feet or fraction thereof of interior parking lot landscaping area.

(f) *Planting islands.* Interior areas of parking pavement shall contain planting islands.

(1) *Planting islands generally.*

- a. Planting islands shall be spaced no farther than fifteen (15) parking spaces apart.
- b. All rows of parking shall terminate with a planting island or landscaped area.

(2) *Internal planting islands.*

- a. *Minimum size.* Internal planting islands shall be a minimum size of eighteen (18) feet by eighteen (18) feet, measured back of curb to back of curb.
- b. *Number of trees required.* Internal planting islands shall contain a minimum of two (2) shade trees.

(3) *External planting islands.* External planting islands are adjacent to the perimeter of the parking lot.

- a. *Minimum size.* External planting islands shall be a minimum size of nine (9) feet by nineteen (19) feet.
- b. *Number of trees required.* External planting islands shall contain a minimum of one (1) shade tree.

(4) *Continuous planting islands.* . When there are two or more double rows of parking, a continuous planting island shall be located between every other row. *Minimum size.* Continuous planting islands shall be the length of the parking row and a minimum width of nine (9) feet.

- a. *Number of trees required.* Continuous planting islands shall contain a minimum of one (1) shade tree per every six (6) parking spaces or fraction thereof located in the double row.

(5) *Planting island preparation.* To create favorable conditions conducive to healthy plant growth, planting islands shall be excavated to a depth of three (3) feet and backfilled with grade A sandy loam topsoil. A drainage perk test shall be performed prior to backfilling topsoil. Six (6) inches of water shall be placed in each excavated hole. If all of the water does not percolate out of the excavated hole within 24 hours, then drainage pipe shall be installed.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.09 Screening requirements.

(a) *Purpose.* Screening requirements are established to mitigate potential nuisances by visually separating incompatible land uses, shielding adjacent properties from any adverse external effects of the development, and shielding the development from the negative impacts of existing adjacent uses, such as major streets or railroads.

(b) *Screening requirement determination.* The table of screening requirements below establishes the instances in which screening shall be provided in the landscape strip and the screening type to be used. Where the row and column intersect, the letter shown indicates the screening type to be provided. Screen types A, B, C and D are described below. When fences are used to meet these requirements, the fence regulations in *Art. 1100 Design Standards* shall apply.

SCREENING REQUIREMENTS

	Single-family	Duplex/townhouse	Multi-family	Commercial	Industrial
Single-family	N/A	B	A	A	A
Duplex/ townhouse	B	D	C	A	A
Multi-family	A	C	D	B	A
Commercial	A	A	B	D	C
Industrial	A	A	A	B	D

(c) *Screen type A: opaque screen.* Intended to exclude all visual contact between uses and to create a strong impression of spatial separation.

- (1) *Minimum height.* Minimum height of twenty (20) feet. Opaque from the ground to a height of six (6) feet, intermittent visual obstruction permitted from above the opaque portion.
- (2) *Materials.* May be composed of a wall, fence, landscaped earth berm, planted evergreen vegetation, or existing evergreen vegetation.

(d) *Screen type B: semi-opaque screen.* Intended to partially block visual contact between uses and to create a strong impression of the separation of spaces.

- (1) *Minimum height.* Minimum height of twenty (20) feet. Opaque from the ground to a height of three (3) feet, intermittent visual obstruction permitted from above the opaque portion.
- (2) *Materials.* May be composed of a wall, fence, landscaped earth berm, planted evergreen vegetation, or existing evergreen vegetation.

(e) *Screen type C: broken screen.* The broken screen is intended to create the impression of a separation of spaces without necessarily eliminating visual contact between the spaces.

- (1) *Minimum height.* Minimum height of twenty (20) feet with intermittent visual obstruction from the ground.
- (2) *Materials.* May be composed of a wall, fence, landscaped earth berm, planted vegetation, or existing vegetation.

(f) *Screen type D: No defined screen.* The perimeter landscaping requirements in *Sec. 1400.07 Perimeter Landscape Strip Required* shall apply; however, no additional screening is required.

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-100, § 1, 06-10-2003; Ord. No. 2009-11, § 6; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.10 Residential tree planting required.

(a) *Number of trees required.*

(1) *Newly constructed single and two-family residential structures.* One (1) shade tree shall be planted in each yard adjacent to the roadway and one (1) shade tree shall be planted in each right-of-way adjacent to the roadway. Trees planted in the right-of-way shall be located on a residential or local street as designated on the Master Street Plan. Final occupancy permits may be held for those who fail to complete landscape requirements.

(2) *Preliminary plats.* One (1) shade tree shall be provided at a minimum rate of one (1) shade tree per every fifty (50) linear feet or fraction thereof of street frontage. Trees shall be planted in the right-of-way adjacent to the perimeter/border roadways of the development. Clustering or grouping of shade trees is encouraged and preferred for a decorative effect following professional landscaping standards for spacing, location and design.

(b) *Tree size.* Minimum tree size shall comply with *Sec. 1400.15 Minimum tree size at time of planting.*

(c) *Existing trees.* Existing trees may be credited in accordance with *Sec. 1400.11 Tree preservation credits.*

(Ord. No. 2004-238, § 1, 12-14-2004; Ord. No. 2013-87, § 2, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.11 Tree preservation credits

(a) *Reduction of required trees.* If an applicant is preserving and protecting existing trees on the lot, the existing trees may be used as credit toward a reduction in the tree planting requirements, as described below and as approved by the Planning Commission. Preservation and protection of existing trees on the lot may be credited toward the tree planting requirements. Credit for preserved trees shall be permitted at the following rates:

TREE REDUCTION CREDITS.

Total diameter of all preserved trees <i>Diameter at Breast Height (DBH)*</i>	Number of trees credited
4 to 7.9-inches DBH	1 shade tree
8 to 22.9-inches DBH	2 shade trees
23 to 29.9-inches DBH	3 shade trees
30-inches + DBH	4 shade trees

(b) *Healthy trees.* No tree preservation credits will be allowed for any dead tree, any tree in poor health, any tree subjected to grade alterations within the drip line or prohibited trees identified in *Sec. 1400.14 Prohibited trees & plants.*

(c) *Protection during construction.* Trees for which credit is given shall be protected during construction from:

- (1) Mechanical injuries to root, trunk and branches.
- (2) Injuries by chemical poisoning.
- (3) Injuries by excavation.

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(4) Injuries by paving.

(Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.12 Landscape location and utility clearance.

(a) *Drainage.* Trees and landscaping shall not be placed where they interfere with site drainage.

(b) *Overhead utilities.* Trees planted under overhead utilities shall not exceed a mature height of twenty-five (25) feet. Trees with a mature height above twenty-five (25) feet shall be planted a minimum of twenty-five (25) feet away from the edge of overhead wires. See *Sec. 1400.13 Approved tree list* that identifies tree species allowed and prohibited for placement under overhead utilities.

(c) *Underground utilities – water, sewer and electric.* Trees shall not be within five (5) feet from underground utilities.

(d) *Above ground electric equipment.*

(1) Trees and landscaping shall not be within ten (10) feet from the sides with doors and three (3) feet from all other sides of all padmount switchgear, primary junction boxes, and all phases of padmount transformers.

LANDSCAPE SPACING FROM ABOVE GROUND ELECTRIC EQUIPMENT



PADMOUNT SWITCHGEAR



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PRIMARY JUNCTION BOXES



PADMOUNT TRANSFORMERS



- (2) *Secondary junction box.* Trees and landscaping shall not be within three (3) feet of a secondary junction box.

SECONDARY JUNCTION BOXES



(e) *Fire hydrants.* Trees and landscaping shall not be within three (3) feet of a fire hydrant. All landscaping shall be maintained to ensure the visibility of the fire hydrant.

(f) *Removal.* The City reserves the right to remove landscaping if it blocks access to utilities or does not meet the standards in this Section.

(Ord. No. 2010-06, § 1, 01-12-2010; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.13 Approved tree list.

The table below establishes the tree species that are allowed to be planted for compliance with this Article. Any species not listed shall be considered on a case by case basis. All plant material shall meet the requirements established by the American Association of Nurserymen publication “American Standards for Nursery Stock” (ANSI Z60.1 Latest Edition). Native plant materials are preferred.

Common Name and Cultivars	Height (ft.)	Spread (ft.)	Growth Rate	Shade, Ornamental, Screen	Street Tree	Under Overhead Utilities
American Hornbeam/Ironwood	25	25	Slow	Shade	Y	Y
American Smoketree	25	20	Slow	Ornamental	Y	Y
Arborvitae						
American	60	15	Med	Screen	N	N
Emerald	15	4	Slow	Screen	N	Y
Green Giant	60	20	Fast	Screen	N	N
Nigra American	30	10	Slow	Screen	N	Y
Beech						
American	70	40	Med	Shade	N	N
Birch						
European Hornbeam	50	35	Med	Shade	Y	N
River 'Dura-Heat®', 'Heritage®'	45	30	Med/Fast	Shade	N	N
Catalpa						
Dwarf Southern 'Nana'	18	22	Med	Ornamental	Y	Y
Cherry						
Yoshino	25	30	Med/Fast	Ornamental	Y	Y
Cypress						
Arizona	35	15	Fast	Screen	N	N
Atlantic Whitecedar	25	12	Fast	Screen	N	N
Bald 'Shawnee Brave®'	70	35	Fast	Shade	Y	N
Japanese Cedar	60	30	Med	Screen	N	N
Chinese Pistache	30	30	Med	Ornamental	Y	N
Dogwood						
Eastern Flowering	20	25	Slow	Ornamental	Y	Y
Kousa	25	25	Slow/Med	Ornamental	Y	Y
Pink	25	25	Med	Ornamental	Y	Y
White	25	25	Med	Ornamental	Y	Y
Elm						
American 'New Harmony', 'Princeton', 'Valley Forge'	75	55	Med/Fast	Shade	Y	N
Chinese/Lacebark 'Allee', 'Athena Classic' 'Bosque' 'Everclear'	50	45	Med/Fast	Shade & Ornamental	Y	N
Fruitless Crabapple	25	25	Med	Ornamental	Y	Y
Ginkgo						
'Autumn Gold', 'Fastigiata', 'Presidential Gold™', 'Princeton Sentry'	75	60	Slow	Shade	Y	N

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Common Name and Cultivars	Height (ft.)	Spread (ft.)	Growth Rate	Shade, Ornamental, Screen	Street Tree	Under Overhead Utilities
Goldenraintree	40	35	Med	Ornamental	N	N
Gum						
Black/Tupelo 'Red Rage™', 'Wildfire'	50	30	Med	Shade	Y	N
Fruitless Sweetgum	70	55	Fast	Shade	Y	N
Hickory						
Shagbark	80	40	Slow	Shade	Y	N
Holly						
American	50	40	Slow	Screen	N	N
Common Winterberry/Possumhaw 'Afterglow', 'Sparkleberry', 'Warren's Red', 'Winter Red'	24	12	Med	Ornamental	N	Y
Foster	25	10	Med	Screen	N	N
Greenleaf	35	20	Med	Screen	N	Y
Kentucky Coffeetree 'Espress', 'Prairie Titan™'	75	50	Med	Shade	Y	N
Linden						
Little-leaved	60	40	Med	Shade	Y	N
Oak						
Chinquapin	50	60	Slow/Med	Shade	Y	N
Columnar 'Crimson Spire™', 'Regal Prince®'	45	18	Med/Fast	Shade	Y	N
Bur	70	80	Slow/Med	Shade	Y	N
Northern Red	60	60	Med/Fast	Shade	Y	N
Pin – upright habitat, no pendulous branches 'Pacific Brilliance™'	50	25	Med/Fast	Shade	Y	N
Shumard	55	55	Med	Shade	Y	N
Water	60	50	Med	Shade	Y	N
White	75	60	Med	Shade	Y	N
Willow 'Hightower®'	60	45	Med/Fast	Shade	Y	N
Maple						
Norway 'Cleveland', 'Columnare', 'Erectum')	50	45	Med	Shade	Y	N
Freeman 'Armstrong', 'Autumn Blaze™', 'Autumn Fantasy™', 'Indian Summer', 'Scarlet Sentinel™'	60	50	Fast	Shade	Y	N
Norwegian Sunset	35	35	Med	Shade	Y	N
Red 'Bowhall', 'Autumn Flame', 'Red Sunset™', 'October Glory™'	65	55	Med/Fast	Shade	Y	N
Sawtooth	55	55	Med/Fast	Shade	Y	N
Shantung	25	25	Slow/Med	Shade	Y	Y
Sugar 'Commemor-ation',	65	55	Slow/Med	Shade	Y	N

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Common Name and Cultivars	Height (ft.)	Spread (ft.)	Growth Rate	Shade, Ornamental, Screen	Street Tree	Under Overhead Utilities
'Fall Fiesta™', 'Green Mountain', 'John Pair', 'Legacy'						
Trident	30	25	Med	Shade	Y	N
Pine						
Eastern White	80	40	Fast	Screen	N	N
Loblolly	90	35	Fast	Screen	Y	N
Planetree						
London	100	80	Med	Shade	Y	N
Redbud						
Eastern 'Alba', 'Appalachian Red', 'Forest Pansy'	30	25	Med	Ornamental	Y	Y
Texas 'Oklahoma'	18	24	Med	Ornamental	Y	Y
Redwood						
Dawn	65	25	Med/Fast	Shade	Y	N
Serviceberry						
Autumn Brilliance	25	25	Fast	Ornamental	N	Y
Downy	25	25	Med	Ornamental	Y	Y
Sycamore						
London	100	100	Fast	Shade	N	N
Thornless Honeylocust						
'Moraine', 'Shademaster', 'Skyline'	50	50	Fast	Shade	Y	N
Tulip Poplar						
	80	45	Fast	Shade	Y	N
Walnut						
Black	75	75	Med	Shade	N	N
Zelkova						
Green Vase	80	50	Med	Shade	Y	N
Musashino	45	15	Fast	Screen	N	N
Village Green	60	50	Med	Shade	Y	N

(Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2003-101, §1, 06-10-2003; Ord. 2004-63, § 13; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.14 Prohibited trees & plants. The following trees and plants are prohibited:

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|---------------------------------|--------------------------------------|--------------------------|
| Amur Maple | Garlic Mustard | Purple Loosestrife |
| Ash (all varieties) | Golden Bamboo | Privet, Chinese / Common |
| Asian Wisteria | Heavenly Bamboo | Russian Olive |
| Autumn Olive | Honeysuckle, Bush / Japanese / Shrub | Serica Lespedeza |
| Bigleaf / Littleleaf Periwinkle | Japanese Zelkova Kudzu Vine | Siberian Elm |
| Bradford Pear | Lespedeza | Silver Maple |
| Burning Bush | Mimosa | Silver Poplar |
| Common Privet | Mulberry | Shrubby Lespedeza |
| Creeping Euonymus | Multiflora Rose | Tree of Heaven |
| Empress Tree | Photinia | Winter Creeper |
| English Ivy | | |

(Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.15 Minimum tree size at time of planting.

Immediately upon planting, trees and shrubs shall meet the following minimum size requirements as presented in the American Standard for Nursery Stock (ANSI Z60.1-2004), except for development in the DC or DE districts which are specifically regulated in this Article:

Minimum Size	
Shade Tree	2.5-inch caliper
Ornamental Tree	2-inch caliper
Ornamental Tree (Multi-Trunk)	10 to 12-feet in height
Evergreen Tree	8-feet in height
Shrubs	3-gallon and a height of 18-inches
Flowering Perennials	1-gallon
Other Ground Cover	1-gallon
Single and Two-Family Residential Structure Minimum Tree Caliper Size	
Shade Tree	2-inch caliper
Residential Preliminary Plats	
Shade Tree	4-inch caliper

(Code 1994; Ord. No. 98-98, § 4, 12-08-1998; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.16 Downtown zoning districts landscaping.

(a) *Applicability.* The landscaping requirements in this section shall apply to the D-C, Downtown Core Zoning District and the D-E, Downtown Edge Zoning District, depending on the type of street frontage, as established in the zoning code.

(b) *Downtown zoning street tree planting requirements.* The table below establishes the minimum requirements, unless otherwise indicated, for tree plantings along primary and secondary streets in the Downtown zoning districts. Primary streets and secondary streets are designated in the Downtown zoning district regulations in Article 401 of the Zoning Code.

DOWNTOWN ZONING STREET TREE PLANTING REQUIREMENTS.

	Primary street	Secondary street
(1) <i>Requirement</i>	1 tree per 30 linear feet	1 tree per 25 linear feet
(2) <i>Spacing</i>	30 feet maximum on center	25 feet maximum on center
(3) <i>Shade</i>	3-inch caliper	2.5-inch caliper
(4) <i>Ornamental</i>	2-inch caliper	1.5-inch caliper
(5) <i>Planting beds</i>	5 feet by 6 feet minimum	3 feet by 3 feet minimum
(6) <i>Tree grates*</i>	5 feet by 6 feet minimum	3 feet by 3 feet minimum



*Made of cast iron and placed a minimum of twelve (12) feet from street lights

(Ord. No. 2009-11, § 6, 11-10-09; Ord. No. 2012-58, § 10, 07-24-2012; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.17 Municipal Airport landscaping requirements.

Builders shall be responsible for planting trees or contributing to a common landscape fund to be used in future development, based on these standards:

(a) If building is adjacent to SW I Street, no trees or fees are required.

(b) If building is not adjacent to SW I Street, trees or equivalent fees are required at 1 tree per 15 feet of building length, measured north/south. Each tree shall be valued at \$350.00.

(Ord. 2016-30, § 3, 02-09-2016; Ord. No. 2019-57, § 6, 04-09-2019)

Sec. 1400.18 Sign and digital billboard landscaping requirements.

(a) *Non-residential freestanding signs.* All non-residential freestanding signs require:

(1) A defined landscaped area at the base of the sign.

(2) The required landscaped area shall be parallel to the face[s] of the sign.

(3) The required landscaped area shall be at least 50 square feet in area.

(4) For signs with multiple faces, the landscaped area shall be allocated so that a portion of the required landscaping is located in front of each sign face.

(5) If the size of the site imposes practical difficulties on the placement of the plant materials, the Community Development Department may make adjustments in these regulations.

(6) The required landscaped area shall contain materials such as, but not limited to lawn grass or herbaceous groundcovers such as juniper or liriope, etc., perennials, shrubs, and ornamental trees covering at least 50% of the defined landscaped area at maturity.

(7) Paving and artificial plant materials shall not be included in fulfilling this requirement.

(8) A plan of the landscaped area with the name, quantity, and spacing of plant materials shall be included as a part of the sign permit application.

(b) *Digital billboards.* All digital billboards shall be landscaped in accordance with *Subsection (a) Non-residential freestanding signs* above. Trees and shrubs shall be selected such that the mature height of the selected species is tall enough to reach the base of the sign face. For monument style boards, low lying shrubs may be used in place of tree requirements at a ratio of 1:1.

(Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2016-117, § 2, 08-23-2016; Ord. No. 2019-57, § 6, 04-09-2019)

Art. 1400 Landscaping, Screening and Buffering

Sec. 1400.19 Wireless communication facilities landscaping requirements.

(a) *Applicability.* The requirements in this section shall govern the landscaping surrounding wireless communication facility towers for which a Conditional Use Permit is required. The landscaping requirements set forth in this section are required for telecommunication tower and antenna sites only; all other development within the City of Bentonville must comply with the requirements set forth in this article.

(b) *Screening required.* Communication facilities shall be landscaped with a buffer of evergreen plant materials that effectively screens the view of the communication facility from adjacent properties. The buffer shall be a continuous, solid landscaped area around the wireless communication facility. This shall consist of a minimum of two (2) courses of evergreen trees that are, at the time of planting, at least eight (8) feet in height.

(c) *Street frontage buffer landscaping required.* The street frontage buffer landscaping requirements set forth in *Sec. 1400.06 Street frontage buffer landscaping required* shall be followed except when existing landscaping can satisfy the requirement.

(d) *Preservation of existing conditions.* Existing mature tree growth and natural landforms on or surrounding the communication facility shall be preserved to the maximum extent possible. In some cases, such as for towers situated on large, wooded lots, natural growth around the property perimeter may be a sufficient buffer. In such cases, the requirement listed above in the preceding subsection hereof may be waived.

(Ord. No. 99-11, §11, 01-12-1999; Ord. No. 2010-4, § 1, 1-12-2010; Ord. No. 2013-87, § 1, 09-10-2013; Ord. No. 2019-57, § 6, 04-09-2019)