## **Summary of Ordinance**

The purpose of this Ordinance is to amend Lake County Code, Appendix E, Land Development Regulations ("LDR"), in order to revise the landscaping standards. Specifically, this Ordinance amends Section 9.01.00 "Landscaping Standards" and Section 9.02.00 "Tree Protection" to simplify and streamline existing landscape regulations including the modification of tree removal requirements.

Changes are shown as follows: Strikethrough for deletions and <u>Underline</u> for additions to existing Code sections. The notation "\* \* \*" shall mean that all preceding or subsequent text remains unchanged (excluding any renumbering or relettering that might be needed).

### ORDINANCE 2018-

AN ORDINANCE OF THE BOARD OF COUNTY COMMISSIONERS OF LAKE COUNTY, FLORIDA; AMENDING LAKE COUNTY CODE, APPENDIX E, LAND DEVELOPMENT REGULATIONS; AMENDING SECTION 9.01.00 "LANDSCAPING STANDARDS" AND 9.02.00 "TREE PROTECTION" BY SIMPLIFYING EXISTING LANDSCAPE STANDARDS AND TO EXEMPT RESIDENTIAL LOTS WITH AN OCCUPIED DWELLING FROM NEEDING A TREE REMOVAL PERMIT; PROVIDING FOR INCLUSION IN THE CODE; PROVIDING FOR SEVERABILITY; PROVIDING FOR FILING WITH THE DEPARTMENT OF STATE; AND PROVIDING AN EFFECTIVE DATE.

**WHEREAS**, the Board of County Commissioners of Lake County, Florida desires to amend Lake County Code, Appendix E, Land Development Regulations, to simplify existing landscape regulations including the modification of tree removal requirements; and

**WHEREAS**, the Lake County Board of County Commissioners determines that this amendment is in the best interests of the citizens of Lake County, Florida.

**NOW THEREFORE**, be it ordained by the Board of County Commissioners of Lake County, Florida, as follows:

**Section 1.** Recitals. The foregoing recitals are true and correct and incorporated herein.

**Section 2.** <u>Amendment.</u> Section 9.01.00 *Landscaping Standards* and Section 9.02.00 *Tree Protection* Lake County Code, Appendix E, Land Development Regulations, is hereby amended as follows.

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**9.01.02** General Requirements and Exemptions. It Shall be unlawful for any person to clear, develop or increase the developed area of any site or lot unless in compliance with the terms of this Section. No development order or development permit Shall be issued unless it complies with these requirements or unless such development is specifically exempted as specified below. The following activities are exempt from the provisions of this Section:

A. Agriculture and Silviculture.

 1. Bona fide farm operations on land classified as agricultural pursuant to Section 193.461, Florida Statutes, as amended.

- 2. Silviculture operations on property zoned Agriculture, or legally existing nonconforming agricultural uses, that have completed a Forestry Management Plan and would qualify for classification as agricultural pursuant to Section 193.461, Florida Statutes, as amended.
  - 3. Silviculture activities regulated through best management practices, interim measures, or regulations developed through the Florida Department of Environmental Protection, Florida Department of Agriculture and Consumer Services, or water management district.
  - B. Any activity that is expressly regulated and permitted by the U.S. Army Corps of Engineers or U.S. Environmental Protection Agency.
  - C. Emergency maintenance work performed for the protection of public health and welfare.
- D. Any maintenance to an existing approved landscaped area made in accordance with an approved landscape plan.
  - E. Parks and Conservation lands with an approved Land Management Plan Shall be exempt from complying with the Landscaping Standards in Section 9.01 and the Tree Protection Standards in Section 9.02.
  - <u>F.</u> All pine trees and palm trees are exempt from needing a tree removal permit, except for natural longleaf pines (Pinus palustris).
  - G. Canopy trees located on a single family residential lot, five (5) acres or less in size, and contains an occupied residential dwelling are exempt from needing a tree removal permit provided tree requirements in Section 9.01.08(A) are met.
- **9.01.03** Waivers to Landscaping and Tree Protection Requirements. The County Manager or designee may waive up to twenty-five percent (25%) of any requirement in Section 9.01.00 or 9.02.00, other than requirements specified in a site specific zoning ordinance or conditional use permit, based on any of the following conditions:
  - 1. The site cannot accommodate the required landscaping due to conditions not caused by the applicant;
  - 2. A Landscape Architect certifies that the type and configuration of the landscape material to be used will accomplish the intent of this section;
  - 3. Existing vegetation is of sufficient size and maturity that planting all the required vegetation is unnecessary. Such existing vegetation shall be preserved as a condition of approval;
  - 4. Existing topography and grade changes naturally occurring on the land, not caused by the applicant, limit the planting area;
  - 5. Existing wetlands limit the available planting area, or disturbance of the wetlands would be necessary in order to install the required landscaping; or
  - 6. Required landscaping would impose greater drainage impacts on adjacent lands than an alternative design.
- 7. Unless otherwise approved by the County Manager or designee, at least two-thirds (2/3) of the required landscaping consists of Florida Friendly Landcaping<sup>TM</sup> native vegetation.

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#### 9.01.05 General Landscaping Requirements.

A. Plant Materials. All required landscaping Shall meet the following general requirements:

- Ordinance 2018- ; LDR Landscape Streamline 1 Quality. All required plant materials Shall be installed and maintained in conformance with 2 the provisions of this Section and Shall conform to the standards for Florida No. 1 or better 3 as given in Florida Grades and Standards for Nursery Plants 2015 State of Florida, 4 Department of Agriculture and Consumer Services, Tallahassee, which is hereby adopted 5 and included by reference herein. A copy of such publication is available from the County 6 Manager or designee. All plant material Shall be planted in suitable soil to permit its survival. 7 Any plant materials not contained in the references provided in The Plant List for Lake 8 County, and not prohibited by Section 9.01.09 Prohibited Plant Species, must be shown to 9 be suitable for planting. 10 Soil Analysis. The existing soils on the site should be analyzed to help determine the 2. 11 appropriate plant types for the site. 12 Native Plants. A minimum of two-thirds (2/3) fifty (50) percent of the required plants Shall 3. 13 be native-Florida Friendly Landscaping<sup>TM</sup> species suitable for the site. 14 Canopy Trees. All canopy trees required pursuant to this chapter Shall be a minimum of two 15 and one-half (2.5) caliper inches and in a thirty (30) gallon container or greater. Equivalent 16 ball and burlap trees may be used. The minimum height of trees is eight (8) feet and the 17 minimum spread is four (4) feet. 18 Canopy trees Shall be provided with a minimum one hundred (100) square foot pervious 19 area around the trunk with a minimum diameter of eight (8) feet. 20 21 taken to not locate be located under or near utility easements. 22
  - Clustering may be utilized if needed for design intent. Special precautions Shall be

  - Canopy trees Shall not be located or installed under or near utility easements.
  - Ornamental trees. All ornamental trees required pursuant to this chapter Shall be a minimum of two (2) caliper inches and in a thirty-gallon container or greater. Equivalent ball and burlap trees may be used. The minimum height of trees is eight (8) feet and the minimum spread is four (4) feet.
    - Adequate spacing Shall be maintained to protect and allow for the growth of the root systems of each tree.
  - Palms. Palms may be used in place of ornamental or canopy trees to meet the minimum tree requirements. In no case Shall the total number of palms of all species combined account for more than twenty (20) percent of the required canopy trees nor more than twenty (20) percent of the required ornamental trees. The minimum size of palms is four (4) feet of clear trunk for tree form palms. One (1) Two (2) palm trees may count as one (1) canopy or ornamental tree unless it is a large specimen palm tree such as a Medjool or Date Palm which may be counted as one (1) palm tree to one (1) canopy or ornamental tree.

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# 9.01.06 Landscape Buffer Requirements.

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> Street Tree Requirements. C.

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- 1. Street trees shall be along internal roads.
- All Street trees Shall be canopy trees, at an average spacing of fifty (50) feet on center 2. spacing along both sides of roads. The canopy trees required for residential lots may count towards this requirement if within twenty (20) feet of the right-of-way line.

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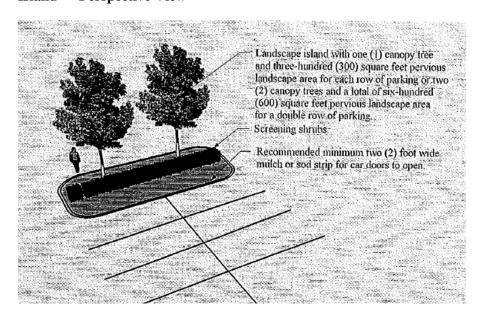
3. Trees may <u>not</u> be planted in the right-of-way (R.O.W.) with a R.O.W. Utilization Permit. Any tree planted within the R.O.W. Shall comply with the Florida Green Book as amended, produced by the State of Florida's Department of Transportation. Canopy trees Shall be planted a minimum of eight (8) feet from public sidewalks.

 **9.01.07** Internal Landscaping in Parking Areas and other Site Areas, other than Single-Family and Duplex Lots. Any development order other than for single-family or duplex dwellings Shall require that all ground surface areas used on commercial, institutional, community facility, industrial, condominium, recreational vehicle parks, or multifamily sites Shall have internal landscaping to provide visual and climatic relief from broad expanses of pavement and channelize and define logical areas for pedestrian and vehicular circulation. The following special landscaping requirements apply to commercial, institutional, community facility, industrial, condominium, recreational vehicle parks and multifamily sites.

A. Interior Parking Areas. Landscape islands Shall be provided within parking areas, as described below to prevent excessively long, contiguous runs of parking spaces. These areas Shall use curbs, wheel stops, bollards or other control measures to prevent encroachment or damage to trees and vegetation. This requirement Shall not apply to parking garages, staging or storage areas at distribution centers. A minimum of fifty (50) percent of the required Interior Parking areas trees Shall be Live Oak trees.

1. Single-Row Terminal Landscape Islands. A single row parking bay Shall not contain more than ten (10) contiguous parking spaces or extend more than one hundred twenty (120) feet, whichever is more restrictive. One (1) single-row terminal landscape island, with a minimum pervious area of three hundred (300) square feet and a minimum width of twelve (12) feet, Shall be provided at each end of a single-row parking bay. Each single-row terminal landscape island Shall contain at least one (1) canopy tree. Required maximum two-foot high screening shrubs Shall be utilized the entire length of the landscape island, or as limited by sight distances. Please see below Figure C — Single and Double-Row Terminal Landscape Island.

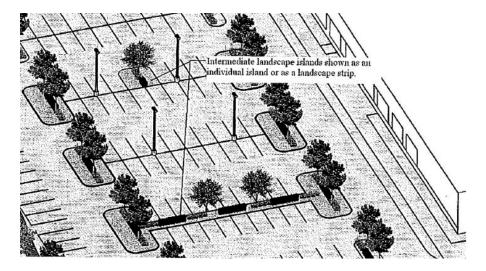
Figure C — Interior Parking Areas Single and Double-Row Terminal Landscape Island — Perspective View



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- 2. Double-Row Terminal Landscape Islands. A double-row parking bay with head-to-head parking Shall not contain more than twenty (20) contiguous parking spaces in a two (2) rows × ten-space configuration or extend more than one hundred twenty (120) feet, whichever is more restrictive. One (1) double-row terminal landscape island, with a minimum pervious area of six hundred (600) square feet and a minimum width of twelve (12) feet. Shall be provided at each end of a double-row parking bay. Each double-row terminal landscape island Shall contain at least two (2) canopy trees. Required maximum two-foot high screening shrubs Shall be utilized the entire length of the landscape island, or as limited by sight distances.
- Intermediate Landscape Islands. Intermediate landscape islands Shall be provided for any parking lot with eighty (80) or more parking spaces, and an additional intermediate landscape island Shall be provided for every additional twenty (20) parking spaces in excess of eighty (80). Each intermediate landscape island Shall have a minimum pervious area of three hundred (300) square feet and a minimum width of twelve (12) feet, and each intermediate landscape island Shall contain at least one (1) canopy tree. Required maximum two-foot high screening shrubs Shall be utilized the entire length of the landscape island, or as limited by sight distances. Alternatively, a minimum seven-foot wide landscape strip may be provided between head-to-head parking, which may count as the required intermediate landscape island for every three hundred (300) square feet of pervious area provided. If a landscape strip is used, ornamental landscape trees and shrubs Shall be planted within the landscape strip on minimum thirty-foot centers. Please see below Figure D — Intermediate Landscape Islands.

## Figure D — Interior Parking areas — Intermediate Landscape Islands.



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- 4. Limited Off-Street Paved Parking areas. Interior portions of off-street parking facilities, which are not specifically designed as parking spaces or maneuvering areas, Shall not be payed for vehicle use.
- 5. Parking Lot Trees and Substitutions. All trees in the parking lots Shall be canopy trees, unless otherwise provided. A maximum of twenty (20) percent of the required canopy trees in the parking lots may be substituted with palm trees. Palm trees used as substitutions in parking lots Shall be planted at a 1:1 ratio 2:1 ratio (i.e. Cabbage Palms, Windmill Palms) in relation to canopy trees with the exception of Canary Island Palms, Date Palms and Paurotis Palms, which may be planted at a 1:1 ratio.

Perimeter Trees and Spacing. Canopy trees Shall be planted an average of fifty-foot centers around the total perimeter of the parking lot and all vehicular service areas. Clustering may be utilized, but spacing Shall not exceed one hundred fifty-foot spacing. The canopy trees Shall be planted between eight feet (8) and thirty (30) feet from the edge of pavement. Canopy trees within the landscape buffers may be used if they fall within thirty (30) feet from the edge of paving or vehicular service area as shown in Figure E — Perimeter Trees and Spacing.

**Spacing** 

and

 $\mathbf{E}$ **Figure Interior Parking Perimeter Trees** areas Provide canopy trees at an average of fifty (50) feet spacing around the perimeter of all parking and vehicular service areas.

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Building Landscapes, other than industrial. Buildings Shall have landscape areas planted with trees, shrubs or groundcovers, other than sod, around the building as follows:

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1. Building perimeter landscape area shall be provided between all buildings and the public rightof-way and along the primary façade.

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2. Landscape area shall be equal to the full linear length of the building base oriented towards the public right-of-way and have a minimum depth of 8 feet.

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3. At least fifty percent (50%) of the required landscape area shall consist of landscape capable of achieving a maximum of thirty inch (30") in height, with one (1) canopy tree planted for each twenty-five (25) feet of linear building façade, or one (1) understory tree or palm tree planed for each fifteen (15) feet of linear building façade.

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Building Perimeter landscaped area.

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b. Shall be around a minimum of forty (40) percent of the building perimeter; and

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c. Shall be located within twenty five (25) feet of the building walls.

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Minimum planting requirement for each one hundred (100) feet.

Shall be a minimum of three (3) feet wide;

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Three (3) ornamental trees or one (1) canopy tree; and

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e. Trees installed for any other requirement of this section may be credited towards this requirement if in the required location.

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Example: A Building with a perimeter of 150 feet would require 60 feet of perimeter landscaping (40% × 150 feet). The planting requirement would be:

b. Twenty eight (28) shrubs.

1 2			Ornamental Trees: $0.60$ ( $60$ feet/ $100$ feet) $\times$ 3 Ornamental Trees = 2 Ornamental Trees (1.8 rounded to nearest whole number) OR one (1) canopy tree.		
3 4			Shrubs: $0.60$ (60 feet/100 feet) $\times$ 28 shrubs = 17 Shrubs (16.8 rounded to nearest whole number).		
5			***		
6 7 8 9	<b>9.01.08</b> Landscape Requirements for Individual Single-Family Residential and Duplex Lots. No Certificate of Occupancy Shall be issued unless in compliance with this section. The requirements of this Section Shall be noted on the development permit and/or plot plan unless otherwise required by other provisions in the Lake County Code or any other development order.				
10 11	A. Canopy tree requirements. Each single-family or duplex lot Shall provide canopy trees as follows:				
12		1.	A minimum of two (2) canopy trees for lots six thousand (6,000) square feet or less.		
13 14		2.	A minimum of three $(3)$ canopy trees for lots between six thousand one $(6,001)$ and ten thousand $(10,000)$ square feet.		
15 16		3.	A minimum of four (4) canopy trees for lots between ten thousand one (10,001) square feet to fifteen thousand (15,000) square feet.		
17 18		4.	A minimum of five (5) canopy trees for lots between fifteen thousand one (15,001) square feet to forty-three thousand five hundred sixty (43,560) square feet (1 acre).		
19 20		5.	A minimum of eight (8) canopy trees for lots between one (1) acre and less than two (2) acres.		
21 22		6.	A minimum of eleven (11) canopy trees for lots between two (2) acres and less than three (3) acres.		
23 24		7.	A minimum of fifteen (15) canopy trees for lots between three (3) acres and less than five (5) acres.		
25		8.	A minimum of twenty-five (25) trees for lots five (5) acres or greater.		
26 27			sting trees meeting the quality and size requirements within required buffers immediately acent to the lot may be credited towards this requirement.		
28 29 30 31	В.	ten equ	eet trees within lots. One (1) or more of the required trees Shall be planted at a minimum of (10) feet and maximum of twenty (20) feet outside of the right-of-way for lots less than or al to one-half ( $\frac{1}{2}$ ) acre. More canopy trees may need to be planted along the road right-of-way atisfy other requirements of the code.		
32 33 34 35 36	C.	9.02 the foot	eservation of existing trees. Existing trees that are classified as protected trees in Section 2.01 (A) and greater than three (3) eight (8) inches in diameter Shall be preserved unless within areas required for access, infrastructure, building footprint or within a thirty (30) fifteen (15) offset of the footprint for the residence. Stem wall construction Shall be used where necessary chieve this requirement. The following exceptions may be allowed to this requirement:		
37 38 39 40		1.	Trees in fire prone areas, such as pine forests, or in rural communities with a density of less than two (2) dwelling units per acre, may remove trees with the appropriate permit, a distance of up to thirty (30) feet from a building upon written authorization by the Lake County Fire Chief or designee.		
41 42 43		2.	Existing fire-prone vegetation may also be removed up to thirty (30) feet from the structure's wall with permission granted by the Lake County Fire Chief or designee. The minimum landscaping required by this section Shall be provided.		

- 3. Any trees or vegetation that are protected by other laws such as wetland trees Shall not be removed without the prior written approval from the Water Management District or the appropriate jurisdictional agency.
  - D. Avoid damage by structures. Structures Shall be located to avoid removing or damaging protected trees to the maximum extent possible.

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#### 9.02.00 - Tree Protection.

- A. Purpose. The purpose of this Section is:
  - 1. To encourage the proliferation of trees and palms.
- 10 2. To establish rules and regulations governing the protection and replacement of trees and palms within unincorporated Lake County; and
  - 3. To recognize the importance of trees and palms and their meaningful contribution to a healthy, beautiful, and safer community attributable to their carbon dioxide absorption, oxygen production, dust filtration, wind and noise reduction, soil erosion prevention, lakeshore erosion protection, wildlife habitat, surface drainage improvement, beautification and aesthetic enhancement of improved and vacant lands and the general promotion of the health, safety, welfare and well-being of the community.

### 9.02.01 Protected Trees.

- A. Designation of Protected Trees. The following trees and palms are designated protected trees:
  - 1. All trees and palms native to Florida or Florida Friendly, <u>eight (8)</u> three (3) inches or larger in diameter at breast height.
  - 2. Sand Pine and Xeric Oak Scrub community trees <u>four (4)</u> two (2) inches diameter or larger at breast height.
  - 3. Wetland trees of any size.
  - 4. Specimen and Heritage trees.
- B. Exemptions to Protected Trees. Prohibited trees, invasive trees, citrus or non-native fruit trees of any species Shall not be considered a protected tree.
- **9.02.02 Tree Removal Permit Required.** It Shall be unlawful and a violation of this Section to clear, kill or remove a protected tree or palm by any method without first obtaining a tree removal permit unless exempted under Section 9.02.04.

When a development order is issued for a site plan, subdivision or master park plan, a separate tree removal permit Shall not be required if the trees to be removed are identified and mitigated on the approved landscape plan. Approval of a preliminary plat does not authorize approval for the removal of trees or other vegetation.

Any tree removal, not specifically exempted herein, Shall require replacement trees in compliance with this Section and Shall specify the schedule when trees will be removed and when such replacement trees will be planted.

When the removal of trees is associated with a development project, the removal of trees authorized pursuant to the Lake County Tree Removal Permit Shall not commence until one (1) of the following has been approved or issued:

- A. Subdivision construction plan;
- 42 B. Final master site plan;

- 1 C. Master park plan; (only applicable within parks);
  - D. Building permit; or

- E. Lot grading/site alteration plan.
- **9.02.03 Violations.** Each tree damaged or destroyed without a permit required under Section 9.01 or Section 9.02 Shall be considered a separate violation punishable pursuant to Chapter 8, Lake County Code. Determinations of the number of cleared trees Shall be based on best available data that may include surveys of adjacent property or aerial photographs taken prior to clearing.
  - A. If a non-exempt specimen tree or a heritage tree is removed without a tree removal permit, each tree Shall be replaced at a ratio of 2.5:1 of the mitigation requirement. If three (3) or more protected trees are removed without a tree removal permit, each tree Shall be replaced at a ratio of 2:1 for mitigation. Any other tree removal without a tree removal permit Shall be replaced in accordance with the replacement requirements stated for a permitted removal.
  - B. If a <u>non-exempt</u> protected tree is removed without a permit, a restoration plan Shall be prepared and submitted within thirty (30) days for approval by the County Manager or designee. All trees shown on the approved site restoration plan must be installed pursuant to Section 9.02.07 Location of Tree Replacement Sites.
- **9.02.04 Exemptions to Tree Removal Permit Requirements.** The following protected trees and palms may be removed without a tree removal permit and required mitigation:
  - A. Excluding the number of trees required in Section. 9.01.08(A), any tree located on a single family residential lot, five (5) acres or less in size that also contains an occupied residential dwelling. All pine tree and palm trees are exempt from needing a tree removal permit, except for natural longleaf pines (Pinus palustris). All other tTrees that are not required for any landscape requirement, provided such removal does not to exceed a combined cumulative caliper of thirty (30) inches of Protected Trees within any one (1) three-year period;
  - B. Trees located within new or existing recorded or prescriptive public road or drainage rights-ofway and easements that are to be removed as part of a Board of County Commissioners approved project. However, all protected trees removed under this exemption Shall be avoided or relocated whenever feasible.
  - C. Any tree determined to be in a hazardous or dangerous condition so as to endanger the public health, safety or welfare and requires immediate removal. Authorization may be given by the County Manager or designee pursuant to the following procedures:
    - 1. Photo documentation of the hazardous tree(s) by property owner is required prior to removal and Shall be submitted to the County Manager or designee.
    - 2. If the tree, due to immediate danger, is removed prior to obtaining written authorization, a letter and photo documentation demonstrating the immediate danger Shall be submitted to the County Manager or designee within fifteen (15) days of the removal.
    - 3. The subsection expressly includes Heritage and Specimen Trees when such trees endanger property or the public health, safety or welfare.
  - D. Agriculture and Silviculture. Bona fide farm operation on land classified as agricultural pursuant to Section 193.461, Florida Statutes, as amended.
    - 1. Silviculture operations on property zoned Agriculture, or legally existing nonconforming agricultural uses, that have completed a Forestry Management Plan and would qualify for classification as agricultural pursuant to Section 193.461, Florida Statutes, as amended.

1 2 3		2. Silviculture activities regulated through best management practices, interim measures, or regulations developed through the Florida Department of Environmental Protection, Florida Department of Agriculture and Consumer Services, or water management district.					
4 5		3. The activity is expressly regulated and permitted by the U.S. Army Corps of Engineers or U.S. Environmental Protection Agency.					
6 7 8 9	E.	Trees that have died through natural causes or diseased trees Shall not require replacement or relocation. Trees killed or toppled by Acts of God such as lightning, hurricanes and tornadoes Shall not be required to be replaced or mitigated unless the tree(s) are required as part of a Development Order issued by Lake County.					
10 11	<u>F.</u>	Trees removed for any County or Municipality Public Works approved development including but not limited to stormwater management, reservoirs, or other major utility projects.					
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13 14 15	designee, Shall require the replacement of removed trees and palms as a condition of the issuance of a						
16 17	A.	Protected and Specimen Trees. Fifty (50) percent of the total number of caliper inches measured at diameter breast height (DBH) for Native and Florida-Friendly trees.					
18	B.	Heritage Trees. One-hundred (100) percent of the total caliper inches of a Heritage Tree.					
19	C.	Replacement trees.					
20 21		1. Trees removed which are exempt under Section 9.02.04 or removed pursuant to Section 9.02.05.A.7. shall not require replacement unless needed for minimum tree requirement.					
22 23 24 25		2. Trees located within the proposed footprint and thirty (30) ten (10) feet around the perimeter of the footprint of a new dwelling unit, duplex, residential addition, septic tank/drainfield or driveway area, shall not require replacement unless needed to meet the minimum tree requirement, provided the following condition is met:					
26 27 28		a) There is not sufficient area on the lot to locate the new dwelling unit, duplex, residential addition, septic tank/drainfield or driveway, meeting all setbacks, without removing the trees. The following standards shall apply:					
29 30		1. Trees shall only be removed after the building permit for the new dwelling unit, duplex or residential addition has been obtained; and					
31 32 33		2. If an approved building inspection is not completed on the dwelling unit, duplex or residential addition within six (6) months of obtaining the building permit, replacement of the trees removed shall be required.					
34 35 36		3. More than one (1) tree may be used to replace a tree or trees that are removed, but the minimum caliper of the replacement canopy trees Shall be no less than two-and-one-half (2½) inches and two (2) inches for replacement ornamental trees.					
37 38		4. Minimum of seventy-five (75) percent of the replacement trees Shall be canopy trees.					
39 40		5. Twenty-five (25) percent maximum of the replacement trees may be ornamental trees.					
41 42		6. Palm trees and pine trees may be used but Shall not exceed four (4) inches credit per tree given as replacement regardless of their installed size.					

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- 1 Replacement trees may be used to meet the landscape requirements set out in 2 Section 9.01. 3 Tree Sampling for Large Sites. Sites over twenty-five (25) fifty (50) acres may identify and 4 sample trees to be removed as follows: 5 The locations of all specimen and heritage trees protected or proposed for removal Shall be 6 located. 7
  - 2. Other protected trees Shall be surveyed as follows:
    - The first twenty-five (25) fifty (50) contiguous acres Shall be surveyed by accounting for all protected trees to be removed.
    - The remaining acreage may be surveyed using sample plots. The sample plots Shall be a minimum area of twenty (20) percent of the remaining part of the site to be developed and twenty (20) percent of each vegetative community within the remaining part of the site to be developed. Each of the sample survey plots Shall be a minimum of one hundred (100) feet by one hundred (100) feet in size and Shall conform to current forestry practices.
    - All protected trees eight (8) three (3) inch DBH caliper or greater, unless the trees are part of a wetland, sand pine or xeric oak scrub community in which case trees four (4) two (2) inches DBH and larger Shall be counted.
  - 3. The tree survey Shall be conducted by a registered Landscape Architect, certified arborist, or certified forester.
  - 4. A tree survey report detailing all findings, including the number and caliper of trees surveyed, estimates of trees surveyed, estimates of protected trees and distribution based on survey plots, and the size and location of specimen or heritage trees, Shall be prepared and submitted to the County as part of the site plan review process. The methods of the tree survey Shall be clearly detailed in the written report provided to Lake County.
  - Lake County reserves the right to require more detailed tree sampling if the County Manager or designee determines that the information provided is insufficient or that site-specific considerations warrant additional information.
  - Landscape credit. The replacement trees may be used to meet the requirements of the landscape standards set out in Section 9.01. All replacement trees Shall be provided even if the total number exceeds the landscape requirement.
  - Replacement maintenance. The replacement trees Shall be maintained in good condition in perpetuity, and the property owner Shall guarantee survival.
  - Palm trees. Palm trees Shall not account for more than twenty (20) percent of the required replacement trees.
  - Replacement size. Replacement trees Shall conform to the size and planting requirements of the Landscape Code. Ornamental trees may not exceed twenty-five (25) percent of the total caliper replacement inches required.

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## 9.02.10 Heritage Trees.

Purpose. It is the purpose of this Subsection to acknowledge the existence of certain trees within the County that are significant or unique due to factors such as age, size, historic significance or type and to protect such trees through their designation as heritage trees. Though not required,

- Designation of heritage trees by the County Manager or designee Board Shall be in accordance with the standards and procedures in this Subsection.
  - B. Designation Standards. At least one (1) of the following standards Shall apply in order for a tree to be designated a heritage tree:
    - 1. Size. Trees with a forty-inch caliper or greater, singly or with a combined trunk, measured at fifty-four (54) inches from the surface of the ground.
    - 2. Age. Trees that are determined to be at least one hundred (100) years old or to be at approximate half-life maturity and are in good health.
    - 3. Form. Trees that are determined to have a unique form or shape, due to geography, climate, environmental or natural growth habitat conditions, and are in good health.
    - 4. Ecological Value. Trees that are determined to have an ecological value to the County in terms of soil or water conservation and management, wildlife habitat, or endemic native flora habitat, and are in good health.
    - 5. Rarity. Trees that are determined to be non-indigenous, rare, or unique to the County, and are in good health.
    - 6. Historical Significance. Trees that have been designated as having historical significance by the Lake County Historical Society or the Board of County Commissioners.
  - C. Prohibited Trees are excluded from designation as a Heritage Tree.
  - D. Application Procedures.
    - 1. Applications may be initiated by owners of the Property or developers as part of their development plan.
    - 2. Applications on forms provided by the County Manager or designee Shall be completed and submitted to the County Manager or designee.
    - 3. The County Manager or designee may request assistance from the Lake County Forester, State Division of Forestry, in determining compliance with any of the designation standards. If the tree poses a potential hazard to persons or property it shall not be designated.
    - 4. The Board of County Commissioners may adopt a resolution recognizing the designation.
    - E. Recognition of Heritage Trees. Any non-prohibited trees with forty-inch caliper or greater, singly or with a combined trunk, measured at fifty-four (54) inches from the surface of the ground Shall be recognized as a heritage tree without application. An applicant Shall identify the location, number and size of all heritage trees on any required tree survey submitted to the County for site plan or plat review. In addition, the County may identify heritage trees that are found to meet this criterion.
    - F. Approval and Protection.
      - 1. Any non-prohibited tree satisfying one (1) or more of the size criteria for a heritage tree as specified above Shall be recognized and recorded as a heritage tree by the County Manager or designee, without approval by the Board of County Commissioners. The Board of County Commissioners may adopt a resolution recognizing the designation.
      - 2. Removal of a heritage tree Shall be prohibited, unless it poses a danger to persons or property. A variance may also be granted by the Board of Adjustment. The property owner Shall protect any tree designated as a heritage tree to ensure its long-term health.

22.

1		ne intent of the Board of County Commissioners th							
2	provisions of this Ordinance shall become and be made a part of the Lake County Code and that the sections								
3	of this Ordinance may be renumbered or relettered		tion",						
4	"article", or such other appropriate word or phrase	in order to accomplish such intentions.							
5									
6		on, sentence, clause, phrase or word of this Ordina							
7	for any reason held or declared to be unconstitution								
8	not affect the remaining portions of this Ordi								
9	Commissioners' intent to pass this Ordinance without such unconstitutional, invalid or inoperative part								
10	therein; and the remainder of this Ordinance, after the exclusion of such part or parts shall be deemed and								
11	held to be valid, as if such parts had not been included herein; or if this Ordinance or any provisions thereof								
12	shall be held inapplicable to any person, groups of persons, property, kind of property, circumstances or set								
13	of circumstances, such holding shall not affect the applicability thereof to any other person, property or								
14	circumstances.								
15									
16	<b>Section 5.</b> Filing with the Department of State. The Clerk shall be and is hereby directed								
17	forthwith to send an electronic copy of this Ordina	ance to the Secretary of State for the State of Flor	ida in						
18	accordance with Section 125.66, Florida Statutes.								
19									
20	<b>Section 6. Effective Date.</b> This ordi	nance shall become effective as provided for by la	ιW.						
21	ENACTED (1: 1 C 1 C	2010							
22	ENACTED this day of day of	, 2018.							
23	EU ED seid de Constant of Conta	1 of 2010							
24	FILED with the Secretary of State the	_ day of, 2018.							
25 26									
20 27	ATTEST:	BOARD OF COUNTY COMMISSIONER	C						
28	ATTEST:	OF LAKE COUNTY, FLORIDA	۵.						
29		OF LAKE COUNTT, FLORIDA							
30									
31									
32	Gary J. Cooney, Clerk	Timothy I. Sullivan, Chairman							
33	Board of County Commissioners of	•							
34	Lake County, Florida	This day of,	2018.						
35		<del></del> ,	_010.						
36									
37	Approved as to form and legality:								
38	11								
39									

Melanie Marsh, County Attorney