ORDINANCE NO. 05-_____

AN ORDINANCE OF THE BOARD OF COUNTY COMMISSIONERS OF LEON COUNTY, FLORIDA, AMENDING CHAPTER 18, ARTICLE III OF THE CODE OF LAWS OF LEON COUNTY, FLORIDA, RELATING TO ONSITE SEWAGE DISPOSAL SYSTEMS; AMENDING SECTION 18-62, DEFINITIONS; AMENDING SECTION 18-64, PURPOSE; AMENDING SECTION 18-65, APPEAL FROM PERMIT DENIAL; AMENDING SECTION 18-66, EVALUATION FOR SUBDIVISIONS AND PARCELS; AMENDING SECTION 18-67, STANDARDS; REPEALING SECTION 18-68, APPROVAL OF EXISTING SYSTEMS; AMENDING SECTION 18-70, HEAVY LOADING APPLIANCES; AMENDING SECTION 18-71, FLOODPRONE AREAS; AMENDING SECTION 18-72, LAKE JACKSON SPECIAL DEVELOPMENT ZONE; AMENDING SECTION 18-73, KILLEARN LAKES UNITS I AND II SPECIAL DEVELOPMENT ZONE; PROVIDING FOR CONFLICTS; PROVIDING FOR SEVERABILITY; AND PROVIDING AN EFFECTIVE DATE.

NOW, THEREFORE, BE IT ORDAINED BY THE BOARD OF COUNTY COMMISSIONERS OF LEON COUNTY, FLORIDA, that:

Section 1. Chapter 18, Article III of the Code of Laws of Leon County, Florida, is hereby amended to read as follows:

ARTICLE III. ON-SITE SEWAGE DISPOSAL SYSTEMS

DIVISION 1. GENERALLY

Sec. 18-61. Short title.

This article shall be known as the Leon County On-Site Sewage Disposal System Ordinance.

Sec. 18-62. Definitions.

For the purpose of this article, the following terms shall be defined as set forth in this section unless the context clearly requires otherwise or a different definition is prescribed for a particular provision.

Acceptable system shall mean the collection, treatment and disposal of sewage wastes in a manner consistent with modern technical standards and generally regarded as a system which does not contribute to the contamination of groundwater or surface water or the spread of communicable disease.

~~*Approved* shall mean designed, constructed and installed in compliance with technical standards and requirements of this article and reviewed or inspected by a representative of the department. "Approved installation" does not imply that a system will provide satisfactory service over an extended period of time.~~

~~*Bottom surface* of a drainfield shall mean that portion of the rock aggregate, below the level of the distribution lines, which comes in contact with the soil.~~

Department shall mean the county health department or its synonyms; Leon County Public Health Unit or the health department.

~~*Drainfield* shall mean the necessary pipes, rock aggregate and cover material needed to dispose of partially treated sewage wastes from the septic tank. Drainfields can be in the form of trenches, absorption beds or mounds.~~

Existing system shall mean an ~~on-site~~ <u>onsite</u> sewage <u>treatment and</u> disposal system that is installed and operating in the county as of February 1, 1988.

Extension, when applied to ~~on-site~~ <u>onsite</u> sewage <u>treatment and</u> disposal systems, shall mean addition of drainfield to an existing system, where the existing system is not adequate in size or efficiency to distribute the existing or proposed sewage flow.

~~*Failure* shall mean when the septic tank or drainfield or both fail to provide satisfactory service, e.g. effluent backing up into the structure or leeching to the ground surface. A failure shall also include the soil's inability to properly treat and dispose of the effluent due to natural or~~

~~manmade causes resulting in the degradation of surface water or groundwater or the creation of a sanitary nuisance.~~

Heavy loading appliances shall include all appliances used in mechanical process of clothes washing, dish washing, and the grinding and/or disposing of food wastes.

Laundry waste shall mean the liquid wastes from washing machines, laundry sinks or other clothes-washing devices.

~~*Mound system* shall mean any drainfield constructed at a prescribed elevation in a prepared bed of fill material. "Mound system" describes any drainfield system where a part of the absorption surface is located above natural ground surface.~~

100-year flood elevation shall mean that flood elevation which has a one in 100 probability of being equaled or exceeded in any calendar year. The 100-year flood elevation shall be determined by a registered professional engineer.

~~*On-site sewage disposal system,* also called the system, shall mean all the necessary material, including the septic tank, drainfield, pipes, aggregate, pump, distribution box, and cover material, used to collect, treat and dispose of domestic, commercial wastes and laundry wastes, on land of the owner or on land to which the owner has the legal right to install a system.~~

Person or other entity shall mean any individual, corporation, partnership, association, firm, trust or other organization, whether public or private. The word "person" includes individuals, children, firms, associations, joint ventures, partnerships, estates, trusts, business trusts, syndicates, fiduciaries, corporations, and all other groups or combinations.

Relocation shall mean the movement of all or a part of an existing system from one location to another on the same site.

Relocation shall mean the movement of all or a part of an existing system from one location to another on the same site.

~~*Repair* shall refer to structural changes to a failed or failing system which are necessary to allow the system to function properly or which must be made to eliminate a public health nuisance or pollution hazard. Pumping of the septic tank or cleaning of the plumbing lines does not constitute a repair under this article.~~

~~*Septic tank* shall mean a watertight receptacle designed and constructed to separate solid and liquid components of sewage wastes, to provide limited digestion of organic matter, to store solids and to allow partially treated effluent to discharge into a drainfield for final treatment.~~

Sewage wastes shall include human, domestic and commercial wastes, liquids or other matter from plumbing fixtures and other similar wastes from household or establishment appurtenances.

Subdivision shall mean a division of any parcel of land for the purpose, whether immediate or future, of any transfer of ownership, right to possession or building development; also, the establishment of a street and the replatting of existing plats.

Unacceptable system shall mean the collection, treatment and/or disposal of sewage wastes in a manner which is not consistent with modern technical standards or contributes to the contamination of groundwater and/or surface water or the spread of communicable disease due to design flaws. Unacceptable systems include cesspools, dry wells, metal drums, open or closed pits, lagoons, bottomless tanks or any structure that discharges directly to the ground surface, ditches, canals, sinkholes or bodies of water.

~~*Unobstructured*~~ *Unobstructed land* shall mean land (contiguous to the system) which is free of pools, concrete slabs, buildings, driveways, parking or landscape features which would

prohibit, hinder or otherwise adversely affect the installation, operation or maintenance of the on-site sewage disposal system.

~~*Wet-season water table* shall mean the estimated upper surface of the groundwater or the estimated level at which the underlying soil is wholly saturated with water, during the period of time each year in which the ground water table elevation can normally be expected to be at its highest elevation.~~

Sec. 18-63. Alternative means for enforcement.

In addition to the remedies set forth in section 18-97, the department, the Board of County Commissioners, or any aggrieved person may have recourse to such remedies in law and equity as may be necessary to ensure compliance with the provisions of this article, including injunctive relief to enjoin and restrain any person or other entity violating its provisions and such damages as may be sustained by virtue of a violation of this article, together with all costs and expenses involved in the case.

Sec. 18-64. Purpose.

The purpose of this article is to promote and protect the health, safety and general welfare of the citizens of the county by establishing local regulations above and beyond those found in F.S. ch. 381 and F.A.C. ch. ~~10D-6~~ 64E-6 regarding the design, construction, installation, maintenance and repair of onsite sewage treatment and disposal systems.

Sec. 18-65. Appeal from permit denial.

Any person aggrieved by a determination of the department as to the issuance or denial of a septic tank permit shall have the right to appeal the decision as follows:

(1) If the appeal relates to F.A.C. ch. ~~10D-6~~ 64E-6 standards, the aggrieved may appeal to the state variance review board or as otherwise indicated in this article. Application forms may be obtained from the department.

(2) If the appeal relates to a standard included in this article, over and above F.A.C. ch. ~~10D-6~~ 64E-6 standards, the aggrieved shall be entitle d to a hearing conducted by a person designated by the Board of County Commissioners. A request for a hearing pursuant to this paragraph shall be made in writing to the department. A hearing shall be held within 30 days from the date of receipt of the request of by the department.

Sec. 18-66. Evaluation for subdivisions and parcels.

(a) Any subdivision developed, designed, platted, recorded or unrecorded after February 1, 1988 which proposes the use of ~~on-site~~ onsite sewage treatment and disposal systems shall be evaluated by the department for suitability prior to recommendations being made to the technical coordinating committee. The evaluation process shall consist of the investigation and determination of the suitability of the subdivision to accommodate ~~on-site~~ onsite sewage treatment and disposal systems based on the following parameters in addition to those required under F.A.C. ch. ~~10D-6~~ 64E-6:

(1) Overall density of ~~on-site~~ onsite sewage treatment and disposal systems.

(2) Estimated wet-season water table.

(3) Soil texture.

(4) Slope of the land and drainage features.

(5) Flood elevations.

(b) Proposed subdivisions shall receive an overall rating of satisfactory, marginal, conditional or unsatisfactory based on these criteria. Recommendations from the department shall be made in writing to the ~~technical coordinating committee~~ Staff Technical Review Committee assigned to review the project by the Leon County Growth and Environmental Development Department.

(c) A standardized rating and evaluation procedure shall be developed by the department and made available to all interested parties for guidance in the planning of proposed subdivisions.

(d) Any subdivision that receives an overall rating of conditional or unsatisfactory shall include, on the final plat, the type of systems required to overcome the noted limitations.

~~(e) When individual sewage disposal systems are proposed for subdivisions of 100 or more lots, a minimum lot size of one acre net usable land is required. Subdivisions of 100 or more lots where public water is available and where each lot contains less than one acre, but at least one quarter acre of net usable land, may be developed on individual sewage disposal systems provided that a central sewage system is available to each lot in a block when the built density equals or exceeds 50 percent of the lots in any one block. The provisions of this paragraph shall apply only to proposed subdivisions where the predominant soil type in the development area, to a depth of six feet, is sandy clay loam, sandy clay or clay and/or the estimated wet season water table is within 24 inches of the ground surface.~~

~~(f)~~ (e) In addition to the criteria set forth in subsections (a) through ~~(e)~~ (d) above, lots in subdivisions and parcels will be considered on the basis of an evaluation of soil characteristics, water table elevations, ~~and~~ history of flooding, ~~and~~ records of service of existing installations in the same general area and adequate stormwater drainage.

Sec. 18-67. Standards.

(a) The base standard and definitions for this article shall be those standards and definitions found in F.A.C. ch. ~~10D-6~~ 64E-6 ("Standards for ~~On-Site~~ Onsite Sewage Treatment and Disposal Systems," Part I), and are hereby incorporated into this article as if fully set out herein, and shall be met by any and all persons, or other entities desiring to construct, install, operate or repair a system in the county.

(b) All systems, as defined in this article, constructed, installed or repaired in the county after February 1, 1988, shall conform to the requirements of this article.

(c) Any system installed before February 1, 1988 which was inspected and approved by the department may continue to be lawfully used as approved; provided, however, if a failure of the system necessitates reconstruction or repair, such reconstruction or repair shall conform to the requirements of F.A.C. ch. ~~10D-6~~ 64E-6.

(d) Any system which must be mounded, as a proviso of the permit, shall receive prior approval from the county environmental office for the placement of fill on the property. A copy of the approval must be provided to the county health department prior to the construction permit being issued. This requirement shall also apply to any application where a portion or all of the lot or site is proposed to be elevated.

~~(e) When installing drainfields in sandy clay loam, sandy clay or clay soils, the bottom of the drainfield trench or absorption bed shall not be smoothed, compacted or otherwise disturbed after the initial excavation is complete.~~

~~(f)~~ (e) The plot plan, site plan or sketch plan used for the purpose of obtaining a system permit shall also be used for the purpose of obtaining all other county permits, including building, stormwater, landscape or any other necessary permits.

~~(g)~~ (f) The area adjacent to the proposed drainfield location shall be unobstructed and clearly shown on the plot plan.

~~(h)~~ (g) All information relative to the construction of the system shall be identified on the site plan submitted to the department for permit approval. Where the proposed installation site is within the 100-year floodplain, this information shall include, a benchmark, ~~on-site set~~ established on site by a professional land surveyor or registered engineer, from which the 100-year flood may be ~~established~~ referenced.

~~(i) Waterless, incinerating or organic composting toilets may be utilized if found to be in compliance with the standards for Wastewater Recycle/Reuse and Water Conservation Systems as defined by ANSI/NSF international Standard Number 41, revised May 1983, hereby incorporated by reference and provided that graywater and other liquid and solid waste is properly collected and disposed of in accordance with standards established in this article and F.A.C. ch. 10D-6.~~

(h) Drainfield sizing shall be in accordance with the standards established in this article and F.A.C. ch. 64E-6 except where sandy clay loam textured soils are found in the area for the installation of the drainfield. Where sandy clay loam textured soils are found, a loading rate of 0.50 shall be used for determining the size of a drainfield in a trench configuration. Loading rates for bed configurations shall be in compliance with F.A.C. ch. 64E-6. There shall be an exception made for systems installed in sandy clay loam textured soils where the estimated sewage flows are equal to 500 gallons per day. The drainfield size for estimated sewage flows equal to 500 gallons per day shall be no less than 990 square feet.

~~**Sec. 18-68. Approval of existing systems.**~~

~~Systems installed as of February 1, 1988 which require a written statement of approval or acceptance by the department for another person or entity (building department, VA/FHA, mortgage company, etc.) shall meet the following requirements for approval:~~

~~(1) Verification of the location and size of the existing system by either locating the final inspection report or verification of the system location and size by a representative of the department or a person registered under the provisions of F.A.C. ch. 10D-6 64E-6. If the system is more than three years old, the following also applies:~~

~~a. A written report that the septic tank was pumped of its contents during the last three years, or certification from a person registered under F.A.C. ch. 10D-6 64E-6 that the septic tank was inspected, within last 60 days, and pumping was not necessary.~~

~~b. At the time a septic tank is pumped or inspected, the septic tank must be checked for cracks, leaks, missing or broken deflection/discharge devices and structural integrity of the lid and a written report of the findings provided to the department.~~

~~(2) No record or other evidence that the system is failing to provide satisfactory service.~~

Sec. 18-69. Reserved.

Sec. 18-70. Heavy loading appliances.

(a) Additional treatment of wastes from heavy loading appliances is required when soil limitations, at the proposed system installation site, are rated as moderate or severe for septic tank use. The "USDA Soil Survey of Leon County, Florida," along with a site evaluation by the department, shall be used for this determination.

(b) The septic tank and drainfield sizing requirements, as described in F.A.C. ch. ~~10D-6~~ 64E-6, shall be used with the following additions:

(1) ~~Only one heavy loading appliance may be included in the waste allocation to the main septic tank system.~~ Where more than one heavy loading appliance is proposed for use a secondary tank or interceptor installed in series with the main septic tank shall be required. The tank shall be a minimum of 250 gallons in size and shall meet all applicable (structural) requirements of F.A.C, ch. 64E-6.

~~(2) For each additional heavy loading appliance, there must be a secondary tank or interceptor installed in a series with the main septic tank.~~

~~(3) Where a secondary or interceptor tank, as described in subsection (2) (1) of this section, is required, it shall meet the following standards:~~

~~a. Have a minimum effective liquid capacity of 250 gallons.~~

~~b. The effective liquid depth shall be a minimum of 3.5 feet and a maximum of 5.0 feet.~~

~~c. The tank shall be provided with a baffle or vented tee at both the inlet and the outlet ends.~~

~~d. The tank shall not receive flows from any other source unless the sizes of the tank and drainfield have been increased to allow for the additional flow.~~

~~(4)~~ (2) Laundry wastes may be separated from the main septic tank system when the following conditions are met:

a. There is no reduction in the size of the main septic tank.

b. Laundry waste tanks meet the sizing requirements of ~~subsection (3) of this section~~ F.A.C.-ch 64E-6 and contain at least 125 square feet of drainfield or an amount prescribed by F.A.C. ch. ~~10D-6~~ 64E-6.

c. Where ~~percolation rates exceed ten minutes per inch~~ soils rated as moderate or severe for onsite sewage treatment and disposal system use due to slow percolation rates, unusual conditions exist, or the number of bedrooms is more than four, the department may require additional drainfield in excess of the Florida Administrative Code requirement.

(3) The secondary tank or interceptor may be utilized as a pump chamber in the event that the onsite sewage treatment and disposal system needs repair which requires a pump to elevate the effluent to a newly installed drainfield, provided the tank has been certified as structurally sound by a registered septic contractor and meets the sizing requirements for pump tank capacities in F.A.C., ch. 64E-6.

(4) A secondary tank or interceptor shall not be required where two separate tanks, installed in series, are used to make up the total required tank volume, provided that the total volume of the tanks in series exceeds the required minimum tank volume by 250 gallons or more.

~~(5)~~ (4) Whenever a separate tank is required, all plumbing for the tank shall be stubbed out within ten feet of the main septic tank system. This requirement can be waived for laundry waste systems at the discretion of the department.

Sec. 18-71. Floodprone areas.

(a) Systems shall be installed so that the bottom surface of the drainfield is no more than 12 inches below the 100-year floodplain.

(b) System installations proposed within the 100-year floodplain shall be accompanied with a signed and sealed flood letter from a registered professional engineer indicating the elevation of the 100-year flood at the proposed system installation site and so noted on the plot plan.

(c) Maintaining the bottom surface of the drainfield 12 inches below the 100-year flood elevation does not override the 24-inch separation from the bottom of the drainfield to the estimated wet-season water table described in F.A.C. ch. ~~10D-6~~ 64E-6. Both requirements must be met.

(d) Systems shall not be installed in areas that are subject to failure because of inadequate, artificial or natural stormwater facilities.

(e) Estimation of the wet-season water table in sandy clay loam, sandy clay or clay type soils shall be done during the ~~historical~~ wet-season ~~(January, February and March)~~ and at a time when the groundwater table is at or near its seasonal high elevation, when the following situations exist:

(1) Documented and recurring perched water tables.

(2) Failure or lack of a stormwater system to adequately collect, transport and dispose of excess water from the subdivision.

(3) Reported and/or documented cases of septic tank failures in the vicinity.

(4) Insufficient evidence in the soil to accurately predict the estimated wet-season water table.

Sec. 18-72. Lake Jackson Special Development Zone.

(A) Zone A. Wetland and floodplain ecotone, from elevation 89 feet NGVD or the water's edge, whichever provides the greater protection, to 100 feet NGVD.

(1) ~~On-site~~ Onsite sewage treatment and disposal system standards:

a. Minimum lot size of one acre, net useable land, exclusive of all paved areas, public rights-of-way, and prepared road beds within easements, and exclusive of streams, lakes, drainage ditches, marshes, or other bodies of water, and wetlands as determined by the state department of environmental protection or the director of Growth and Environmental Management.

b. ~~On-site~~ Onsite sewage treatment and disposal systems shall be sized according to the predominant naturally occurring soil type beneath the proposed system or a maximum sewage loading rate of one gallon per square foot per day, whichever yields a greater size drainfield.

c. No portion of any ~~on-site~~ onsite sewage treatment and disposal system, with the exception of self-contained composting systems, shall be located within 75 feet up land of elevation 89 feet NGVD, within 75 feet of any water body or watercourse or jurisdictional limit of a wetland as determined by the state department of environmental protection or the director of Growth and Environmental Management, or within any 100-year floodplain area.

d. An existing, previously platted lot or lot or record existing on January 15, 1990, when used for single-family residential use, shall be exempt from the standards of this subsection but shall comply with all other applicable laws, ordinances and regulations relating to ~~septic tanks~~ onsite sewage treatment and disposal systems. Existing ~~septic tanks~~ onsite sewage

treatment and disposal systems may be replaced by the same size or larger ~~units~~ systems as required by other applicable laws, ordinances and regulations relating to ~~septic tanks~~ onsite sewage treatment and disposal system, except where sanitary sewer is available.

Sec. 18-73. Killearn Lakes Units I and II Special Development Zone.

(A) Within the platted subdivisions known as Killearn Lakes Unit I, recorded in the Public Records of Leon County at Plat Book 6, Page 26 A-L, and Killearn Lakes Unit II, recorded at Plat Book 6, Page 39, the following ~~septic tank~~ onsite sewage treatment and disposal system standards shall apply:

(1) No mound systems, as defined in this article, shall be permitted;

(2) All systems shall be required to either:

(a) utilize aerobic treatment units (ATUs) as defined in Section 64E-6.002, Florida Administrative Code, meeting the standards for construction, maintenance and operation set forth in Section 64E-6.012, Florida Administrative Code; or

(b) utilize an alternative treatment system or performance based systems, as defined in Chapter 64E-6, Florida Administrative Code, demonstrated to produce an effluent quality consistent with the standards ~~in~~ required in Chapter 64E-6 for ATUs;

(3) All systems must be designed and sealed by a Florida registered professional engineer;

(4) The design engineer must demonstrate that the system will have no adverse impact on the function of existing ~~septic~~ onsite sewage

treatment and disposal systems in the subdivision, nor an adverse impact on the stormwater drainage system for the subdivision and the subsurface ground water quantity or quality;

(5) The design engineer must sign and seal a no adverse impact letter in substantially the following form:

"I hereby certify that development of Lot ____ Block ____ Killearn Lakes Unit ____ as designed, will have no adverse impact to existing development with respect to stormwater drainage, subsurface ground water and/or the satisfactory function of existing ~~septic~~ onsite sewage treatment and disposal systems for a period of five (5) years."

and;

(6) The ~~septic tank installer~~ design engineer must guarantee the system against failure for a period of five years from the date of installation and secure a bond to assure same, in a reasonable amount to be determined by the county.

Secs. 18-74--18-90. Reserved.

DIVISION 2. RESERVED

Secs. 18-91--18-115. Reserved.

Section 2. Conflicts. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed to the extent of such conflict, except to the extent of any conflicts with the Tallahassee-Leon County 2010 Comprehensive Plan as amended,

which provisions shall prevail over any part of this ordinance which is inconsistent, either in whole or in part, with the said Comprehensive Plan.

Section 3. **Severability.** If any word, phrase, clause, section or portion of this ordinance shall be held invalid or unconstitutional by a court of competent jurisdiction, such portion or words shall be deemed a separate and independent provision and such holding shall not affect the validity of the remaining portions thereof.

Section 4. **Effective Date.** This ordinance shall have effect upon becoming law.

DULY PASSED AND ADOPTED by the Board of County Commissioners of Leon County, Florida, this _____ day of _____, 2005.

LEON COUNTY, FLORIDA

By: _____
Cliff Thaell, Chairman
Board of County Commissioners

Attest:
Bob Inzer, Clerk of Circuit Court

By: _____
Clerk

Approved as to form:
County Attorney's Office
Leon County, Florida

By: _____
Herbert W. A. Thiele, Esq.
County Attorney

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