Phone: 334-5011/Fax 334-2229

Box 46

TO:

Mayor and City Commission

DATE:

August 8, 2005

FIRST READING

FROM:

City Attorney

SUBJECT:

Ordinance No. 0-04-93; Petition No. 170TCH-04 PB

An ordinance of the City of Gainesville, Florida; amending section 30-98, City of Gainesville Land Development Code, relating to wireless communications facilities and antenna regulations; extensively updating the regulations for compliance with the Telecommunications Act of 1996 and state law; adding definitions; adding provisions for collocation and the modification of existing wireless communications facilities for consistency with state law; adding provisions for construction of new camouflaged towers and monopole towers; adding provisions for wireless communication facilities in historic districts; providing for unused or abandoned towers; describing the land development or zoning related submittal requirements for new wireless communications facilities; providing for applicability of these provisions to applications filed on or after July 1, 2005; providing directions to the codifier; providing a severability clause; providing a repealing clause; and providing an immediate effective date.

Recommendation: The City Commission adopt the proposed ordinance.

This petition is part of the overall update of the City's Land Development Regulations. Specifically, the proposed amendments are to Section 30-98 of the Land Development Code, regarding transmitter towers, retransmission and microwave transmission towers, and antennas. Initially, extensive changes to this section were proposed to update the regulations for compliance with the Telecommunications Act of 1996; however, subsequent to this past Legislative session, further amendments are necessary for compliance with recent changes to state law as more specifically described herein.

<u>Petition 170TCH-03 PB</u>: Petition 170TCH-03 PB, regarding wireless facilities, was heard by the City Commission March 2004 and again in June 2004. At the March 2004 meeting, the Commission recommended approval; however, the Commission directed staff to work with the industry on outstanding issues. At the June 2004 petition hearing, the Commission approved the petition, but requested staff to further investigate what other communities do to encourage replacement of older towers; asked staff to review setbacks (claimed by the industry as excessive); and asked staff to investigate opportunities for camouflaged towers on public assembly-type buildings, even those located in residential areas.

With regard to the June 2004 Commission comments and concerns, Planning staff reports that the current Code contains replacement provisions in Sec. 30-98(5). This section remains in the pending ordinance and allows replacement of existing towers, even if the existing tower does not meet the minimum distance requirements, and allows the replacement of existing towers to allow for the collocation of one or more additional users. The height of the tower cannot be increased and the type of tower cannot be changed except that any type of tower may be replaced by a monopole.

On the issue of camouflage opportunities on public assembly-type structures, staff reports the tower placement in single-family residential areas has not changed. Reportedly, many public assembly facilities are in PS, ED or CON zones that would allow camouflaged facilities and are reportedly intertwined throughout the community.

Following staff's review of the June 2004 industry concerns, the Office of the City Attorney received the petition in early September 2004 for preparation of an ordinance. At that time, the City Attorney's office recommended changes in an attempt to reaffirm the state's collocation goals and requirements. As well other conforming and technical changes were made to the draft ordinance prior to soliciting comment from attorneys representing the industry. Two issues raised at that time by the attorneys for the industry were the setback requirements and the prohibition of new wireless structures in single-family residential areas. Due to pending Legislative activity, on April 11, 2005 the Commission agreed to place the proposed Ordinance (i.e., petition) on a temporary hold pending the conclusion of the 2005 Legislative session.

2005 Legislative Activity: In early January 2005, a new wireless bill was filed in both the Florida House and Florida Senate (HB305 and SB602) that would significantly preempt local regulation in the area of wireless tower regulation. Eventually, it was the Committee Substitute for Committee Substitute for SB 620 (CS/CS/SB 620) that passed both chambers and was approved by the Governor on June 10, 2005 (see ch. 2005-171, Laws of Florida).

In relevant part ch. 2005-171, Laws of Florida, will:

- Redefine some terms, which were also contained in the proposed draft ordinance.
- Change provisions for collocation by clarifying those provisions and dividing them into three types (collocation on existing towers, collocation on existing structures and other collocations).
- Amend local governmental review requirements for evaluation of wireless facilities.
- Provide that locally established setback and distance separation may not exceed the distance needed for structural safety or relevant aesthetic concerns.
- Allow a local government to ban wireless facilities in a residential area only if the provider can serve that residential area.

Chapter 2005-171, Laws of Florida, was approved by the Governor on June 10, 2005 and will take effect July 1, 2005.

Comparison as between the 2004 petition and the proposed ordinance: In summary, the State has now preempted the realm of wireless tower siting in many areas. For example, collocation, as described above, and the replacement of a tower (with no height increase) appear to be completely preempted by state law. With the placement of a new tower, local zoning and local land development regulations are recognized in the law but only to the extent necessary to allow local governmental entities to consider their local land development concerns (such as aesthetics, landscaping, land used based location priorities, structural design and setbacks). Because of the state preemption, in many cases the current draft defers to state law. This is done so that future legislative changes to these preempted areas of law will not require the City to engage in the sometimes cumbersome and time-consuming Land Development Code amendment process.

The two issues raised by the industry last summer were the issue of the placement of the facility in a residential zoning district and the setback requirements. With regard to local government's exclusion of the placement of a wireless facility in a residential zoning district, this may occur under ch. 2005-171, Laws of Florida, but only in a manner that does not constitute an effective or actual prohibition on the provider's service in that residential zoning district. The proposed ordinance is drafted to incorporate and accommodate this state-imposed standard.

The setback requirements stated in the ordinance, which were recommended by staff and approved by the Plan Board, are a remaining issue for the wireless industry. With regard to setback or distance separation, the law maintains local governmental authority in establishing and providing for a setback; however, that setback may not exceed the minimum distance necessary to satisfy structural safety and aesthetic concerns. Previously, the City staff and Plan Board made findings that the setbacks proposed in this ordinance are proposed and will exist for these very reasons and the language stating the standard is included in the proposed ordinance.

Other conforming changes are made in this ordinance for consistency with State law.

CITY ATTORNEY MEMORANDUM

This ordinance requires two public hearings. The first reading is scheduled to occur on August 8, 2005 and, if approved on first reading, the second and final reading is scheduled for August 22, 2005.

Fiscal Note. None

Prepared by:

Dana L. Crosby, Assistant City Attorney

Approved and

Submitted by:

Marion J. Radson City Attorney

xc (with attachment): City Plan Board

1	ORDINANCE NO
2	0-04-93
3 4	An ordinance of the City of Gainesville, Florida; amending section 30-
5	98, City of Gainesville Land Development Code, relating to wireless
6	communications facilities and antenna regulations; extensively
7	updating the regulations for compliance with the Telecommunications
8	Act of 1996 and state law; adding definitions; adding provisions for
9	collocation and the modification of existing wireless communications
10 11	facilities for consistency with state law; adding provisions for construction of new camouflaged towers and monopole towers;
12	adding provisions for wireless communication facilities in historic
13	districts; providing for unused or abandoned towers; describing the
14	land development or zoning related submittal requirements for new
15	wireless communications facilities; providing for applicability of these
16 17	provisions to applications filed on or after July 1, 2005; providing directions to the codifier; providing a severability clause; providing a
18	repealing clause; and providing an immediate effective date.
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20	WHEREAS, the City Plan Board authorized the publication of notice of a Public Hearing
21	that the text of the Land Development Code of the City of Gainesville, Florida, be amended; and
22	WHEREAS, notice was given and publication made as required by law and a Public
23	Hearing was then held by the City Plan Board on February 19, 2004; and
24	WHEREAS, notice was given and publication made of Public Hearings which were the
25	held by the City Commission on March 15, 2004 and June 28, 2004; and
26	WHEREAS, at least 10 days notice has been given once by publication in a newspaper of
27	general circulation notifying the public of this proposed ordinance and of a Public Hearing in the
28	City Commission Auditorium, City Hall, City of Gainesville; and
29	WHEREAS, the Public Hearings were held pursuant to the published notice described at
30	which hearing the parties in interest and all others had an opportunity to be and were, in fact,
31	heard;

NOW, THEREFORE, BE IT ORDAINED BY THE CITY COMMISSION OF THE

CITY OF GAINESVILLE, FLORIDA:

- Section 1. Section 30-98, Land Development Code, City of Gainesville, is amended to 3
- read as follows: 4

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- 5 Sec. 30-98. Transmitter towers; retransmission and microwave transmission towers; antennas.
 - (a) Dimensional requirements.
 - (1) Tower location. Transmitter towers and retransmission and microwave transmission towers shall be located on the site so as to provide a minimum distance equal to one third the height of the tower from all property lines. No accessory tower may be located between the street and the front of any principal building, except in the W, I 1, I 2, CON and AGR districts. Accessory towers adjacent to any residential district shall be screened along any common property line by trees and shrubs as required in subsection (a)(4)e of this section.
 - (2) Anchor location. All tower supports and peripheral anchors shall be located entirely within the boundaries of the property.
- 15 (3) Height and angle of light. The height and angle of light obstruction of particular zoning districts 16 shall not apply to transmitter towers.
- 17 (4) Residential districts. All transmitter towers in residential districts as listed in Article IV of this 18 chapter must meet the following requirements:
- 19 a. Height. No tower shall rise more than 80 feet from the ground level at the exact site on which it is 20 erected except as otherwise provided for in paragraph g. below.
 - Location. Towers are only allowed in rear yards. Only one tower is allowed per lot.
- 22 Guy anchors. Guy anchors shall meet the setback requirements of the respective residential district 23 and are allowed in side and rear yards only.
 - d. Construction standards. Towers must meet manufacturer's specifications and plans must be certified by an engineer licensed in the State of Florida. Towers must meet the requirements of the Standard Building Code, as may be amended from time to time, relating to wind loads, and must be engineered or guyed so that in the event a tower falls it will collapse only within the property lines on which it is located. All towers must meet the standards contained in American National Standards Institute "Steel Antenna Towers and Steel Supporting Structures" (ANSI EIA/TIA 222 E 1991).
 - e. Fencing and buffering. A chain link fence or solid wood or masonry wall at least eight feet in height shall be constructed and maintained around the perimeter of the rear yard or the base of the tower. Climbproof shields can be substituted for a fence or wall around the tower. A combination of hedges (firs or other fast growing plants) and/or evergreen trees, at least four feet in height when planted, shall be planted and maintained around the perimeter of the rear yard or in a continuous line around the tower and spaced close together to provide a continuous visual screen. Shrubs shall also be planted and maintained around the guy anchors for visual screening purposes.

- f. Design/landscape plan. A design/landscape plan is required for all proposed tower sites, showing the proposed location of the tower, guy anchors and any existing or proposed landscaping as required by this section.
- g. Special use permit for excess height. Towers may be constructed in excess of the 80 foot height limitation provided a special use permit is issued. In addition to the requirements of Article VII, Division 4, special use permit considerations shall also include the following:
- 1. The effects of topography, terrain and height of surrounding tree canopy on broadcasting ability.
- 2. The construction and design of towers with regard to safety regulations including a consideration of the distance from the airport and whether the proposed tower would interfere with any flight paths.
- 3. The visual impact on surrounding properties and existing or proposed screening and buffering.
- (5) Existing transmitter towers.
- a. An existing transmitter tower that does not conform to the minimum distance requirements in subsection (a)(1), may be replaced by a tower of the same type and height without coming into compliance with those minimum distance requirements. All other applicable requirements of this section shall apply to the replacement tower.
- b. Modification or reconstruction of any existing transmitter tower to accommodate the co location of one or more additional users shall be permitted. The modification or reconstruction shall not increase the height or change the type of tower, except that any type of tower may be reconstructed as a monopole. An existing transmitter tower that is being modified or replaced to accommodate the co location of two or more additional users may be moved within the development site. However, the modified or replacement tower shall be located as close as possible to the existing transmitter tower and in no instance shall either the modified or replacement tower be constructed at a distance greater than 50 feet from the existing transmitter tower. The base of the transmitter tower cannot be closer than 25 feet to property designated for residential use on the future land use map of the comprehensive plan. Distance shall be measured from the base of the tower.
- c. No existing transmitter tower location shall be made nonconforming with the minimum distance requirements of subsection (a)(1) due to the modification or replacement of the existing transmitter tower. An existing transmitter tower that does not conform to the minimum distance requirements of subsection (a)(1) shall not be moved within the development site to a position closer to existing adjacent residential land as designated on the future land use map of the comprehensive plan.
- d. In all cases the existing transmitter tower shall be removed within 30 days of completion of the replacement tower.
- e. The replacement tower must comply with the airport hazard zoning regulations of the city.
- (b) Fencing (all nonresidential districts). A chain link or solid fence or wall of not less than eight feet in height from finished grade, with locked gates, shall be provided around the base of each tower or around the yard area where the tower is located. Climb proof shields can be substituted for a fence or wall around any accessory tower.
- (c) Equipment storage. No equipment, mobile or immobile, not used in direct support of the transmission or relay facility, shall be stored or parked on the site unless repairs to the facility are being made.

- (d) Aircraft hazard. No tower shall be permitted to encroach into or through an established airport approach plane as established by the airport zoning ordinance.
- (e) RF radiation. Radio facilities shall not exceed "Radio Frequency Protection Guides" in American National Standards Institute "Safety Levels with Respect to Human Exposure to Radio Frequency Electromagnetic Fields, 300k to 100GHz" (ANSI C95.1 1992). The tower owner shall be prepared to demonstrate the percentage of compliance with ANSI standard C95.1 1992 upon written request by the city manager or his/her designee.
- (f) Antennas. For the purposes of this subsection and subsection (g), antenna shall mean any exterior apparatus designed for television communications through the reception of electromagnetic waves. The following antennas used to receive video programming signals are allowed in all zoning districts and are exempt from the provisions of this section except as noted herein:
- (1) Residential antenna satellite dishes that are one meter (39 inches) or less in diameter and are designed to receive direct broadcast satellite (DBS) service, including direct to home satellite service.
- (2) Antennas that are one meter (39 inches) or less in diameter or diagonal measurement and are designed to receive video programming services via multichannel multipoint distribution service (MMDS or wireless cable). These antennas may be mounted on masts to reach the height needed to establish line of sight contact with the transmitter. Antennas mounted on masts higher than 20 feet are considered transmitter towers and are subject to the provisions of section 30 98(a) (e).
- (3) Antennas that are designed to receive over the air television broadcast signals and that are mounted on masts higher than 20 feet are considered transmitter towers and are subject to the provisions of section 30 98(a) (e).
 - (g) General conditions for antennas.

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- (1) There are no minimum setback requirements for antennas described in subsections 30 98(f)(1) (3). In order to protect pedestrians and vehicle operators from possible conflict with structures in the right of way, no part of an antenna or its support structure may extend over public sidewalk or right of way at a height of less than nine feet.
- (2) Antennas described in subsections 30 98(f)(1) (3), must be placed in a location not visible from the street unless an acceptable signal cannot be obtained from that location. If an antenna must be placed where it is visible from the street, it must be placed wholly on the subject property and must comply with the provisions of section 30 341, (vision triangle). This is a safety based restriction necessary to provide unobstructed sight distance in both directions on all approaches to an intersection, so that the vehicle operator is afforded an opportunity to avoid collisions.
- (3) A certificate of appropriateness is required for the placement of antennas described in subsections 30 98(f)(1) (3), in those districts or on individual properties that are listed on both the local and national register of historic places and for those districts or individual properties listed on the local register of historic places for which the federal communications commission has granted permission for the city to regulate antenna placement.
- (h) Unused or abandoned towers. Any transmitter tower that does not comply with any regulation or ordinance of the City of Gainesville and that is not used for transmission or retransmission for nine continuous months shall be considered to have lost its legal nonconforming status and must comply with section 30 346(d)(5) of this chapter concerning nonconforming uses.
- Wireless Communication Facilities and Antenna Regulations.

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CODE: Words stricken are deletions; words underlined are additions.

Purpose. These regulations were developed to protect the health, safety and welfare of 1 residents of the City, and to protect property values and minimize visual impact while furthering 2 the development of enhanced telecommunications services in the City. These standards are 3 designed to comply with the Telecommunications Act of 1996 and the requirements of chapter 4 365, Florida Statutes. The provisions of this section are not intended to and shall not be 5 interpreted to prohibit or have the effect of prohibiting the provision of personal wireless 6 services. This section shall not be applied in such a manner as to unreasonably discriminate 7 between providers of functionally equivalent services, consistent with federal regulations. These 8 9 regulations are intended to: Provide uniform standards for the provision of both radio and television broadcast (1)11 12

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signals and telecommunication services, including two-way radio, paging, personal communication services (PCS), cellular and related wireless services;

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Protect the natural features and aesthetic character of the city by regulating the <u>(2)</u> location, design and operation of wireless communication facilities, with special attention to residential neighborhoods, public parks, transportation view corridors, historic districts, historic landmarks, and environmentally sensitive lands;

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Minimize the adverse visual and aesthetic impacts of wireless communication <u>(3)</u> facilities through innovative design, siting and landscaping standards, including incentives to promote the use of camouflaged towers, collocation of new antennas on existing communication towers and the placement of antennas on roofs, walls, existing towers and other existing structures;

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Accommodate the growing demand for wireless communication services, (4) consistent with the Federal Telecommunications Act of 1996, and ensure an efficient and high-quality wireless communications network; and

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(5) Expedite the review process for those new applicants choosing the least intrusive alternative of deploying wireless telecommunication services.

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Definitions. In addition to the terms defined at s. 365.172, Florida Statutes, when used in this section, the following terms shall have the following meaning:

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Amateur radio towers. Structural facilities used to support amateur radio antennas as licensed and operated by federally licensed amateur radio station operators.

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Antenna. Any exterior apparatus designed for sending and/or receiving intelligence without physical connection.

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Broadcast. To transmit information without physical connections to two or more receiving devices simultaneously. Information can be transmitted over local television or radio stations, satellite systems or wireless data communications networks.

Camouflaged facility. Any wireless communication facility that is designed to blend into the
surrounding environment or that camouflages or conceals the presence of the wireless
communication facility. Examples of camouflaged towers include, but are not limited to, man-
made trees, clock towers, bell steeples, flag poles, light poles, and similar alternative-design
mounting structures. Examples of camouflaged antennas include, but are not limited to,
architecturally screened roof-mounted antennas, building-mounted antennas painted to match the
existing structure, and antennas integrated into architectural elements.

<u>Collocation</u>. The situation when a second or subsequent wireless provider uses an existing structure to locate a second or subsequent antennae. The term includes the ground, platform, or roof installation of equipment enclosures, cabinets, or buildings, and cables, brackets, and other equipment associated with the location and operation of the antennae.

Communication tower. A guyed or self-supporting tower, constructed as a free standing structure or in association with a building, other permanent structure or equipment, containing one or more antennas intended for transmitting and/or receiving television, AM/FM radio, digital, microwave, cellular, telephone, or similar forms of electronic communication. References in this ordinance to "tower," unless otherwise qualified, shall mean "communication tower."

FAA. The Federal Aviation Administration.

FCC. The Federal Communications Commission.

<u>Guyed tower.</u> A communication tower that is supported, in whole or in part, by guy wires and ground anchors.

<u>Height</u>. The vertical distance measured from the base of the tower or antenna support structure at grade to the highest point of any part of the structure.

Lattice tower. A guyed or self-supporting three or four-sided, open, steel frame structure used to support communications equipment.

Microwave transmission tower. A structure operated for the specific purpose of transmitting microwave frequency communications not open to public correspondence, operated by and for the sole use of those licensees operating their own point-to-point radio facilities in the public safety, business, industrial, land transportation, marine or aviation service.

Monopole tower. A communication tower consisting of a single pole, constructed without guy wires and ground anchors, used for the transmission of wireless communication.

<u>Personal wireless services (PWS)</u>. Commercial mobile services, unlicensed wireless services and common carrier wireless exchange access services as defined by Federal Regulations.

Retransmission tower. A structure operated for the specific purpose of retransmitting the

signals of a radio broadcast station or another retransmission facility without significantly altering the characteristics of the incoming signal other than its frequency or amplitude.

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Service provider(s). Any individual, company, firm or other entity that provides telecommunications service over telecommunications facilities.

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Wireless communications facility. An all-encompassing definition meaning any equipment or facility used to provide personal wireless services and may include but is not limited to, antennae, towers, equipment enclosures, cabling, antenna brackets, and other such equipment. Placing a wireless communications facility on an existing structure does not cause the existing structure to become a wireless communications facility. This does not include antennas as defined in subsection 30-98(n) or other accessory personal use antennas as allowed by the City Code of Ordinances.

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(c) Applicability and general requirements. The requirements of this section apply to all wireless communication facilities and broadcast towers. All property within the City limits shall be subject to the requirements of this section. It is the intent of the City to impose all regulations of this section to all land within the City, whether publicly or privately held, except as specifically provided herein. These regulations shall supersede all other code provisions concerning wireless communications facilities for those applications for development review that are filed on or after July 1, 2005 unless otherwise provided in law. Setback and separation distances shall be applied regardless of municipal and county jurisdictional boundaries. The design, construction and installation of wireless communications facilities shall comply with all applicable building codes.

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(d) Collocation. Collocation on any existing facility or structure shall be completed in accordance with the standards stated at s. 365.172(11), Florida Statutes, if and as applicable. All other collocations shall be reviewed in accordance with the provisions of subsection 30-98(h), and, if applicable, subsection 30-98(j).

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(e) Modification of existing towers. Pursuant to s. 365.172(11), Florida Statutes, an existing 29 tower, including a nonconforming tower, may be structurally modified in order to permit 30 collocation or may be replaced through no more than administrative review and building permit 31 review and is not subject to public hearing review if the overall height of the tower is not 32 increased and, if a replacement, the replacement tower is a monopole tower or, if the existing 33 tower is a camouflaged tower, the replacement tower is a like-camouflaged tower. 34

1. The replacement tower is located as close as reasonably possible to the existing tower and in no 35 instance greater than 50 feet from the existing tower. 36

- 2. In all cases the existing tower shall be removed within 30 days of completion of the 37 replacement tower. 38
- 3. The replacement tower shall comply with the airport hazard zoning regulations of the city. 39
- 4. Any other existing tower modifications or replacements are considered a new tower and are 40 subject to the provisions of this section. 41

Camouflaged towers. New camouflaged towers shall be permitted in all zoning districts except for those zones in the single-family and residential-low zoning categories (see Table A. which appears at the end of subsection 30-98) where no actual or effective prohibition of the provider's service in that residential area or zoning district results. If a wireless provider demonstrates to the satisfaction of the City that the provider cannot reasonably provide its service to the residential area or zone from outside the residential area or zone, the City and provider shall cooperate to determine an appropriate location for a wireless communications facility of an appropriate design within the residential area or zone. The City may require that the wireless provider reimburse the reasonable costs incurred by the City in cooperating in this determination.

(1) Height. The maximum height of camouflaged towers in multiple-family, office or mixed-use districts, as listed in Table A (which appears at the end of this subsection), is 80 feet. The maximum height of camouflaged towers in all other districts is 110 feet, except that in industrial districts a camouflaged tower may be a height of up to 130 feet. Camouflaged towers may be constructed in excess of the maximum heights listed above, provided a special use permit is issued in accordance with Article VII, Division 5 of this chapter.

(2) Setbacks. For purposes of structural safety and aesthetics, regardless of the zoning district in which a camouflaged tower is located, the tower shall be set back a distance of at least the height of the tower from any adjoining lot line.

(3) Collocation. Any camouflaged tower in excess of 110 feet in height shall be designed to support the facilities of at least 3 providers, including the facilities of the applicant. Any camouflaged tower in excess of 70 feet in height but less than 110 feet in height shall be designed to support the facilities of at least 2 providers, including the facilities of the applicant.

(4) Development plan approval. Development plan approval for new uses shall be done in accordance with the review procedures stated at Article VII, Division 1 of this chapter, as applicable; the provisions for neighborhood workshops stated at section 30-350, Citizen participation; and with the requirements as listed below in subsection 30-98(m), submittal requirements. All proposed new camouflaged towers must be architecturally and/or aesthetically compatible with the surrounding community. To determine architectural and/or aesthetic compatibility with the surrounding community, a public hearing shall be held before the appropriate board on the development plan application. The base application fee for review of an application to construct a camouflaged tower shall be the same as the fee for intermediate plan review, plus the fee for the technical consultant, if necessary.

(5) Aircraft hazard. All towers shall comply with the airport hazard zoning regulations in Appendix F to the Land Development Code.

- 41 (6) Utility building. The equipment used to operate the facility shall be stored in:
- 42 <u>a. An existing building on the site; or</u>
- b. An equipment cabinet, shelter or an underground vault; or

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CODE: Words stricken are deletions; words underlined are additions.

c. A building constructed or installed to accommodate multiple providers and designed to be
 compatible with the surrounding environment, while meeting the minimum building setback
 requirements of the underlying zoning district.

The equipment cabinet or shelter, if used, shall be screened by a fence or wall of not less than 8 feet in height from finished grade, or by landscaping that conceals the cabinet or shelter.

(7) Equipment storage. No equipment, mobile or immobile, not used in direct support of the transmission or relay facility, shall be stored or parked on the site unless repairs to the facility are currently being made.

(g) Monopole towers. Except as set forth herein, new monopole towers that are not accessory to Communications uses (MG-48), shall be permitted by right in I-1, I-2, and AGR zones.

(1) Height. The maximum height of a monopole wireless tower is 130 feet. Monopole towers may be constructed in excess of the maximum height, up to 200 feet, provided a special use permit is issued in accordance with Article VII, Division 5 of this chapter.

(2) Setbacks. For purposes of structural safety and aesthetics, regardless of the zoning district in which a monopole tower is located, the tower shall be set back a distance of at least 300 feet from the nearest property lines of any single-family, residential-low, multiple-family, office or mixed-use district. The tower shall be set back at least 100 percent of the height of the tower from any adjoining lot line. Monopole towers may be constructed within 300 feet of the nearest property lines of any single-family, residential-low, multiple-family, office or mixed-use district, provided a special use permit is issued in accordance with Article VII, Division 5 of this chapter.

(3) Collocation. Collocation is encouraged; therefore, monopole towers shall be designed to accommodate collocation for multiple wireless communication service providers in accordance with the following minimum requirements stated at Table 1:

Table 1: Collocation Requirements

Monopole Tower Height	Total Number of Providers
Less than 110 feet	3
111 feet to 130 feet	4
131 feet to 170 feet	<u>5</u>
171 feet to 200 feet	<u>6</u>

(4) Fencing and buffering (all nonresidential districts). A metal or solid fence or wall of not less than 6 feet in height from finished grade, with locked gates, shall be provided around the base of each tower or around the yard area where the tower is located. Climb-proof shields can be substituted for a fence or wall around any

1			tower. A monopole tower shall provide a buffer equal to that of commercial use
2			in accordance with Article VIII, except that in cases where the adjacent use is also
3			commercial and a buffer is not required, adjacent use Buffer C shall be provided
4			(see section 30-253, chart A). Exceptions to the buffer strip requirement shall be
5			in accordance with subsection 30-253(5)b.
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7		<u>(5)</u>	<u>Utility Building.</u> The equipment used to operate the facility shall be stored in:
8			a. An existing building on the site; or
9			b. An equipment cabinet, shelter or an underground vault; or
10			c. A building constructed or installed to accommodate multiple providers and
11			designed to be compatible with the surrounding environment, while
12			meeting the minimum building setback requirements of the underlying
13			zoning district.
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15			The equipment cabinet or shelter, if used, shall be screened by a fence or wall of
16			not less than 8 feet in height from finished grade, or by landscaping that conceals
17			the cabinet or shelter.
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19		<u>(6)</u>	Equipment storage. No equipment, mobile or immobile, not used in direct support
20			of the transmission or relay facility, shall be stored or parked on the site unless
21			repairs to the facility are currently being made.
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23		<u>(7)</u>	Aircraft hazard. All towers shall comply with the airport hazard zoning
24			regulations in Appendix F to the Land Development Code.
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26		<u>(8)</u>	Development plan approval. Development plan approval for new uses shall be
27			done in accordance with the review procedures stated at Article VII, Division 1 of
28			this chapter, as applicable; the provisions for neighborhood workshops stated at
29			section 30-350, Citizen participation; and with the requirements as listed below in
30			subsection 30-98(m), submittal requirements. A public hearing before the
31			appropriate board shall be held to consider all new monopole wireless tower
32			development plan applications. The base application fee for review of an
33			application to construct a monopole wireless tower shall be the same as the fee for
34			intermediate plan review, plus the fee for the technical consultant, if necessary.
35	<u>(i)(h)</u>	Perso	onal wireless service (PWS) <u>antennas and wireless communications</u> facilities.
36	(1)		al. This subsection is relevant to all new PWS antennas and collocated PWS
37			increase the height of the structure or are not otherwise preempted pursuant to s.
38	365.17	'2(11), 1	F.S.

zoning districts.

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PWS antennas attached to existing structures shall be permitted as accessory uses in all

- b. PWS antennas may be located on existing commercial, industrial, office, institutional or multiple-family structures of five or more stories, or at least 65 feet. PWS antennas shall not be mounted on single-family structures, or on two-family structures, or on commercial, industrial, office, institutional or multiple family structures less than five stories in height, or less than 65 feet.
 - c. PWS antennas may extend a maximum of 20 feet above the roofline or the highest point of the existing structure on which they are mounted.
 - d. The height of a rooftop installation shall be measured from the finish level of the portion of the roof on which the antenna is mounted.
 - e. The height requirement shall not apply if the PWS antenna is incorporated into a steeple, bell tower or similar architectural feature of a church, school or institution; however, the incorporated antenna must not exceed the height limitations prescribed in the airport zoning ordinance.
- 14 f.—PWS antennas may not display any advertising, nor may they display any signals, lights or 15 illumination unless it is required by an applicable federal, state or local statute, ordinance, rule or 16 regulation.
- 17 g. The design, construction and installation of PWS antennas shall comply with all applicable building codes.
- h. PWS antennas placed on a legally non-conforming structure shall not be considered an expansion of the structure. Existing PWS antennas that were legally installed at the time of initial installation may be repaired, replaced and/or relocated at an equal or lower height on the existing structure.
 - (2) Visual compatibility for PWS antennas not located on a communication tower.
 - a. <u>All new PWS</u> antennas <u>and collocated PWS antennas that increase the height of the structure or are not otherwise preempted pursuant to s. 365.172(11), F.S., must be placed on the structure out of public view to the greatest extent possible. If this is not practical, screens or enclosures are required to conceal the facility from public view in a manner that is compatible with the scale, color and architectural character of the structure.</u>
- b. If it is necessary to place the PWS antenna in public view, <u>for aesthetic purposes</u> it shall be integrated into the structure in such a manner that it is compatible with the scale, color and architectural character of the structure to the greatest extent practical.
- c. Equipment shelters used in conjunction with <u>such PWS</u> antennas shall be located inside the existing structure or hidden from public view, or made compatible with the scale, color and architectural character of the structure.
- d. A PWS antenna shall comply with the required setbacks for the zoning district in which it is located.
- 37 (3) Development plan approval. Development plan approval in accordance with Article VII, as applicable, and compliance with the application requirements stated in paragraphs 30-98(m)(1),

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- (6) and (11) are required prior to the issuance of a building permit for all new PWS antennas and collocated antennas that are not otherwise preempted pursuant s. 365.172(11), F.S.
 (i) Amateur radio towers. All amateur radio towers in residential districts, as listed in Article IV of this chapter, must meet the following requirements:
 - (1) Height. No amateur radio tower shall rise more than 80 feet from the ground level at the exact site on which it is erected except as otherwise provided for in paragraph (7) below.
 - (2) Location. Amateur radio towers are only allowed in rear yards. Only one tower is allowed per lot.
 - (3) Guy anchors. Guy anchors shall meet the setback requirements of the respective district and are allowed in side and rear yards only.
 - (4) Construction standards. Amateur radio towers shall meet manufacturer's specifications and an engineer licensed in the State of Florida shall certify plans. Towers shall meet the requirements of the Standard Building Code, relating to wind loads, and shall be engineered or guyed so that in the event a tower falls it will collapse only within the property lines on which it is located. All towers shall meet the standards contained in the most current version of American National Standards Institute "Steel Antenna Towers and Steel Supporting Structures" (ANSI EIA/TIA 222, F-1996 (R 2003)).
 - (5) Fencing and buffering. A metal fence or solid wood or masonry wall at least 8 feet in height shall be constructed and maintained around the perimeter of the rear yard or the base of the amateur radio tower. Climb-proof shields may be substituted for a fence or wall around the tower. A combination of hedges and/or evergreen trees, at least 4 feet in height when planted, shall be planted and maintained around the perimeter of the rear yard or in a continuous line around the tower and spaced close together to provide a continuous visual screen. Shrubs shall also be planted and maintained around the guy anchors for visual screening purposes.
 - (6) <u>Design/landscape plan</u>. A design/landscape plan shall be submitted for all proposed amateur radio tower sites, showing the proposed location of the tower, guy anchors and any existing or proposed landscaping as required by this section.
 - (7) <u>Development plan approval</u>. The level of review for amateur radio towers of up to 80 feet in height shall be rapid review in accordance with Article VII.
 - (8) Special use permit for excess height. Amateur radio towers may be constructed in excess of the 80-foot height limitation provided a special use permit is issued. In addition to the requirements stated at Article VII, Division 5, special use permit, considerations shall include the following:
 - a. The effects of topography, terrain and height of surrounding tree canopy

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1		on broadcasting ability.
2		b. The construction and design of amateur radio towers with regard to safety
3		regulations including a consideration of the distance from the airport and
4		whether the proposed tower would interfere with any flight paths.
·		
5		c. The visual impact on surrounding properties and existing or proposed
6		screening and buffering.
7		
8	(j) Histor	ic preservation/conservation districts. A new wireless communications facility
9	shall only be	located in a historic preservation/conservation district if it is a camouflaged tower
10	and is 80 fee	or less in height. A certificate of appropriateness from the historic preservation
11	board shall b	e required for approval, in addition to the requirements of subsection 30-98(f).
12	Personal wire	less service (PWS) antennas located in a historic preservation/conservation district
13		red to obtain a certificate of appropriateness from the historic preservation board for
14	-4-4	ddition to meeting the requirements stated at subsection 30-98(h). Any alteration
15		orical structure to accommodate the placement of a PWS antenna shall be designed
16	and constructe	ed so that it is fully reversible without damage to the historical structure.
17	(k) Broad	cast towers, retransmission and microwave transmission towers. New broadcast
18		e guved towers, lattice towers or monopole towers.
19	,	
20	(1)	Dimensional requirements.
		a. <i>Tower location.</i> For purposes of structural safety and aesthetics, broadcast
21		a. <i>Tower location.</i> For purposes of structural safety and aesthetics, broadcast towers and retransmission and microwave transmission towers shall be set
22 23		back at least 300 feet from the nearest property lines of any single-family,
23 24		residential-low or multiple-family district. The tower shall be set back at
2 4 25		least 100 percent of the height of the tower from any adjoining lot line. No
26		broadcast tower shall be located between the street and the front of any
27		principal building. Broadcast towers adjacent to any residential district
28		shall be screened along any common property line by trees and shrubs. A
29		combination of hedges and/or evergreen trees, at least four feet in height
30		when planted, shall be planted and maintained around the perimeter of the
31		rear yard or in a continuous line around the tower and spaced close
32		together to provide a continuous visual screen. Shrubs shall also be
33		planted and maintained around the guy anchors for visual screening
34		purposes.
		A L
35		b. Anchor location. All tower supports and peripheral anchors shall be
36		located entirely within the boundaries of the property.
37		c. Height and angle of light. The height and angle of light obstruction of
38		particular zoning districts shall not apply to broadcast towers.
39	(2)	Fencing and buffering (all nonresidential districts). A metal or solid fence or wall
39 40	(4)	of not less than 8 feet in height from finished grade with locked gates shall be

1 2 3 4			provided around the base of each tower or around the yard area where the tower is located. Climb-proof shields may be substituted for a fence or wall around any tower. A broadcast tower shall provide a buffer equal to that of an industrial use in accordance with Article VIII, except that in cases where the adjacent use is also
5			industrial and a buffer is not required, adjacent use Buffer D shall be provided (see section 30-253, chart A).
7 8 9		(3)	Equipment storage. No equipment, mobile or immobile, not used in direct support of the transmission or relay facility, shall be stored or parked on the site unless repairs to the facility are being made.
10 11		(4)	Aircraft hazard. All towers shall comply with the airport hazard zoning regulations stated in Appendix F to the Land Development Code.
12 13 14 15 16		provis	Development plan approval. Development plan approval shall be in accordance he review procedures in Article VII, Division 1 of this chapter, as applicable; the ions for neighborhood workshops in section 30-350, citizen participation; and the ements as listed below in subsection 30-98(m), submittal requirements, as able.
18 19 20 21 22 23	Upon owritter	oned w determin notice	hen it is not used for transmission or retransmission for nine consecutive months. Ination that a tower has been abandoned, the City Manager or designee shall provide to of the determination, by certified mail, to the owner of the tower. Upon receipt of otice of abandonment, the owner shall have 90 days to:
24		(1)	Reactivate the use of the tower;
25		(2)	Transfer the tower to another owner who makes actual use of the facility; or
26 27 28 29		(3)	Remove the tower and all associated equipment. If the tower is not removed within 90 days of the receipt of notice of abandonment, the city may dismantle and remove the tower and recover the costs from the owner or by accessing the bond set forth in subsection 30-98(m), Submittal requirements.
30 31	(m)	Subm	ittal requirements. In addition to the requirements of Article VII, Division 1, an
32	applica	ation fo	or a new wireless communication facility shall contain the following information:
33			(a) Sale and a facility as well as the identity of the wireless
34	(1) Th	e identi	on service provider(s) who have committed to locating on the proposed facility.
35 36	COMIN	umcatt	on service provider(s) who have committed to locating on the proposed facility.
37 38	(2) Th	e distai	nce between the proposed tower and the nearest residentially zoned lands.
39	(3) De	tails of	all proposed antennas and mounting equipment, including the location on the
40	structu	ire, size	e and color.

(4) A I	in the interest of the managed towns
(4) A des	ign drawing including a cross-section and elevation of the proposed tower.
(5) A des	cription of the capacity of the tower including the number and type of antennas that can
be accom	
(6) A cert	tified statement from a licensed professional engineer attesting to the structural integrity
of the pro	posed facility and its ability to accommodate collocation opportunities.
	photo simulations showing the proposed site of the tower with a photo-realistic
	ation of the proposed facility, as it would appear viewed from the closest residential
property	or properties and adjacent roadways.
(9) An on	oplication for a new wireless communication facility that requires a special use permit
	tain a propagation map depicting both the extent of the communication service
	s existing coverage within the subject area and the service area of the proposed tower.
ристист	5 CAISTING CO VERIGE WITHIN THE BUOYEST WITH THE SUCCESSION OF THE PERFORMANCE WITHIN CO. T. C.
(9) A bor	nd or irrevocable letter of credit in an amount determined by the city manager or
designee,	and subject to the approval of the City Attorney as to form and legality, to ensure that i
	is abandoned pursuant to subsection 30-98(m), cost to the City for removal of the tower
shall be g	guaranteed to the City.
(10) FGG	
(10) FCC	ncense.
	additional information that is necessary for the city to complete the review of the
application	on and is consistent with the requirements of Florida Statutes.
(n) = Te	elevision antennas. For the purposes of this subsection, television antenna shall mean
	erior apparatus designed for television communications through the reception o
electroma	agnetic waves. The following antennas used to receive video programming signals are
allowed i	n all zoning districts and are exempt from the provisions of this section except as noted
herein:	
(1	Residential antenna satellite dishes that are one meter (39 inches) or less in
	diameter and are designed to receive direct broadcast satellite (DBS) service
	including direct-to-home satellite service.
(2	2) Antennas that are one meter (39 inches) or less in diameter or diagonal
1	measurement and are designed to receive video programming services video
	multichannel multipoint distribution service (MMDS or wireless cable). These
	antennas may be mounted on masts to reach the height needed to establish line-of
	sight contact with the transmitter. Antennas mounted on masts higher than 20 fee
	are considered communication towers and shall be subject to the provisions o
	subsection 30-98(h).

(3) Antennas that are designed to receive over-the-air television broadcast signals and

1 2		that are mounted on masts higher than 20 feet are considered communication towers and shall be subject to the provisions of subsection 30-98(h).
-3	(4)	General conditions for television antennas.
4 5 6 7 8		a. There are no minimum setback requirements for antennas described in paragraphs 30-98(n)(1)-(3). In order to protect pedestrians and vehicle operators from possible conflict with structures in the right-of-way, no part of an antenna or its support structure shall extend over public sidewalk or right-of-way at a height of less than nine feet.
9 10 11 12 13 14 15		b. Antennas described in paragraphs 30-98(n)(1)-(3), shall be placed in a location not visible from the street unless an acceptable signal cannot be obtained from any other location. If an antenna must be placed where it is visible from the street, it shall be placed wholly on the subject property and shall comply with the provisions of section 30-341 (vision triangle). This is a safety-based restriction necessary to provide unobstructed sight distance in both directions on all approaches to an intersection.
16 17 18 19 20 21 22		c. A certificate of appropriateness shall be required for the placement of antennas described in paragraphs 30-98(n)(1)-(3), in those districts or on individual properties that are listed on both the local and national register of historic places and for those districts or individual properties listed on the local register of historic places for which the Federal Communications Commission has granted permission for the City to regulate antenna placement.
23 24 25		onmental regulations. All wireless communications facilities shall comply with all vironmental regulations.
26 27 28 29 30 31 32 33	more than 6 s FCC registrat more than 6 for the permitted of	and illumination. No signage or advertising shall be permitted on any wireless ons facility, except that each tower facility shall have an identification sign of no quare feet, identifying the service providers, the dates of permit approval, and the ion and site identification numbers. The maximum height of the sign shall be no eet, as measured from the base of the tower. No signals, lights or illumination shall on any wireless communication facility unless required by the Federal Aviation on or as an integral part of the design of a camouflaged facility.
34 35 36 37	technical conscions	ical consultants. The City in its discretion shall have the right to hire independent sultants and experts that it deems necessary to properly evaluate individual vireless facility applications for purposes of compliance with land use and zoning
38 39 40 41	costs of which Payment is du	The applicant shall be responsible for paying the costs of such consultation, the h shall be identified reasonable expenses incurred in the review of the application. The upon receipt of the billing invoice and proof of payment shall be required prior to the application by the appropriate reviewing body of the city. The applicant
41 42		responsible for paying the costs of such consultation that may occur at the time of

1 2		ropriate reviewing body. No final development order by the City until payment in full has been received by	
3 4 5	the City for technical consultation costs incappropriate reviewing body.	curred during review of the application by the	
6	Section 2. It is the intention of the	City Commission that the provisions of Section 1 of	
7	this ordinance shall become and be made a	part of the Code of Ordinances of the City of	
8	Gainesville, Florida, and that the Sections	and Paragraphs of this Ordinance may be renumbered	
9	or relettered in order to accomplish such intentions.		
10	Section 3. If any section, sentence,	, clause or phrase of this ordinance is held to be invalid	
11	or unconstitutional by any court of compete	ent jurisdiction, then said holding shall in no way	
12	affect the validity of the remaining portion	s of this ordinance.	
13	Section 4. All ordinances, or parts	s of ordinances, in conflict herewith are to the extent of	
14	such conflict hereby repealed except as app	olied to applications for development review filed on	
15	or before July 1, 2005.		
16	Section 5. This ordinance shall be	come effective upon final adoption.	
17 18 19	PASSED AND ADOPTED this	day of, 2005.	
20		PEGEEN HANRAHAN	
212223	ATTEST:	MAYOR Approved as to form and legality	
24	KURT M. LANNON	MARION J. RADSON	
25 26	CLERK OF THE COMMISSION	CITY ATTORNEY	
27	This Ordinance passed on first reading this	day of, 2005.	
28	This Ordinance passed on second reading t	his day of, 2005.	
29			

Subsection 30-98, Table A

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3		ses of this section, single-family and residential-low zoning districts shall include
4	the following	
5		RSF-1: 3.5 units/acre single-family residential district.
6		RSF-2: 4.6 units/acre single-family residential district.
7		RSF-3: 5.8 units/acre single-family residential district.
8		RSF-4: 8 units/acre single-family residential district.
9		RC: 12 units/acre residential conservation district.
10		MH: 12 units/acre mobile home residential district.
11		RMF-5: 12 units/acre single-family/multiple-family residential district.
12		
13	Multiple-fami	ly districts shall include the following:
14		RMF-6: 815 units/acre multiple-family residential district.
15		RMF-7: 821 units/acre multiple-family residential district.
6		RMF-8: 830 units/acre multiple-family residential district.
7		RMU: Up to 75 units/acre residential mixed use district.
18		RH-1: 843 units/acre residential high-density district.
9		RH-2: 8100 units/acre residential high-density district.
20 21	Office district	s shall include the following:
22	·	OR: 20 units/acre office residential district.
23		OF: General office district.
24		MD: Medical services district.
25		
.6 .7	Mixed-use dis	stricts shall include the following:
28	TVII/TOU USO UIE	MU-1: 1030 units/acre mixed use low intensity.
29		MU-2: 1430 units/acre mixed use medium intensity.
0		CCD: Up to 150 units/acre central city district.
.1		CP: Corporate park district.

0001 LEGALS

ADVERTISEMENT
NOTICE OF PROPOSED
ENACTMENT OF
ORDINANCE
BY CITY COMMISSION,
GAINESVILLE, FLORIDA
NOTICE IS BETCH, TO BETCH,
NOTICE IS BETCH, TO BETCH,
NOTICE IS BETCH, GIVEN BA

Notice is hereby given that the proposed ordinance, whose title appears below will be considered for First Reading on the 8th day of August, 2005, at the City Commission meeting and if then adopted on First Reading will be considered for Second and Final Reading and adoption on the 22nd day of August, 2005, at the City Commission meeting. The meetings begin at 6:00p.m. and the ordinances will be read as soon thereafter as may be heard. The meetings are held in the City Commission Auditorium, on the First Floor of City Hall, 200 East University Avenue, Gainesville, Florida. A copy of said ordinance may be inspected by any member of the public at the office of the Clerk of the Commission on the First Floor of City Hall, during regular business hours located at 200 East University Avenue, Gainesville, Florida, and at the Public Library, Main Branch, located at 401 East University Avenue, On the dates mentioned above all interested parties may appear at the meeting and be heard with respect to the proposed ordinance. Persons with disabilities, who require assistance to participate in the meetings, are requested to the TDD phone line at least 2 business days in advance.

ORDINANCE TITLE ORDINANCE NO. 030759

ORDINANCE NO. 030759

An ordinance of the City of Gainesville, Florida; amending section 30-98, City of Gainesville Land Development Code, relating to wireless communications facilities and antenna regulations; extensively updating the regulations for compliance with the Telecommunications Act of 1996 and state law, adding definitions, adding provisions for collacation and the modification of existing wireless communications facilities for consistency with state law; adding provisions for construction of new camouflaged towers and monopole towers; adding provisions for wireless communication facilities in historic districts; providing for unjuged of cilities in historic districts; providing for unused or abandoned towers; describing the land development of zoning related submittal re-quirements for new wireless communications facilities; providing for applicability of these provisions to applica-tions filed on or after July 1.2005:

1,2005; providing directions to the codifier; providing a sever-ability clause; providing a repealing clause; and pro-viding an immediate effec-tive date.

Note: "All persons are advised that, if any person decides to appeal any decision made at any of these meetings, they will need a record of the proceedings and, for such purpose, they need to ensure that a verbatim record of the proceedings is made, which record includes the testimony and evidence upon which the appeal is to be based."

July 28, 2005 Publish Date

Kurt M. Lannon Clerk of the Commission

27796.7/28/05 #A000031470 #A000031470