

JOINT LUZ & TEU COMMITTEE WORKSHOP

WORKSHOP AGENDA

Monday, June 11, 2018

3:00 PM

Council Chambers 1st Floor, City Hall

Tape No. _____

Carol Owens, Chief of Legislative Services

Lori Boyer, Chair

Al Ferraro, Chair (TEU)

Jim Love

Aaron Bowman

John Crescimbeni

Tommy Hazouri

Joyce Morgan

Matt Schellenberg, Chair (LUZ)

Danny Becton

Doyle Carter

Reggie Gaffney

Meeting Convened:

Meeting Adjourned:

If a person decides to appeal any decision made by the Council with respect to any matter considered at such meeting, such person will need a record of the proceedings, and for such purpose, such person may 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.

Point of Discussion:

- 1) Introductions
- 2) Explanation of and comments on substituted bill for Rights of Ways
- 3) Zoning Regulation of Small Cell Antennae, poles and facilities on private property
- 4) Public Comments
- 5) Adjourn

NOTE: Other items may be added at the discretion of the Chair.

PART 15. - COMMUNICATION TOWER AND ANTENNA REGULATIONS [14]

Footnotes:

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Editor's note- Ord. 2001-600-E, §§ 2 and 3, effective August 23, 2001, amended the Code by repealing former Part 15, §§ 656.1501-656.1531, and adding a new Part 15, §§ 656.1501-656.1533. Former Part 15 pertained to similar subject matter, and derived from Ord. 96-305-296; Ord. 96-760-412; Ord. 96-810-482; Ord. 1999-243-E; Ord. 1999-1330-E; and Ord. 2001-293-E.

Sec. 656.1501. - Purpose and intent.

The City Council finds that the promulgation of these regulations is warranted and necessary to promote the health, safety and general welfare of residents of the City by:

(a) Providing uniform standards for the provision of both radio and television broadcast signals and telecommunication services, including two-way radio, paging, PCS, cellular and related wireless services;

(b) Protecting the natural features and aesthetic character of the City by regulating the 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;

(c) Minimizing the adverse visual and aesthetic impacts of wireless communication facilities through innovative design, siting

1 and landscaping standards, including incentives to promote the use
2 of Camouflaged Towers, Stealth Towers, co-location of new antennas
3 on existing communication towers and the placement of antennas on
4 roofs, walls, existing towers and other existing structures;

5
6 (d) Accommodating the growing demand for wireless communication
7 services, consistent with the Federal Telecommunications Act of
8 1996 and the Florida Wireless Emergency Communications Act, and
9 ensuring an efficient and high-quality wireless communications
10 network; and

11
12 (e) Expediting the review process for those applications choosing
13 the least intrusive alternative of deploying wireless
14 telecommunication services.

15 These regulations are not intended to prohibit or have the effect
16 of prohibiting the provision of personal wireless services, nor
17 shall they be used to unreasonably discriminate among providers of
18 functionally equivalent services, consistent with federal
19 regulations.

20 (Ord. 2001-600-E, §§ 2, 3; Ord. 2007-561-E, § 1)

21
22 Sec. 656.1502. - Definitions.

23
24 For purposes of this Part, the following terms, words, and phrases
25 shall have the following meanings:

26
27 Antenna means a device used to receive or transmit radio frequency
28 signals. Examples include, but are not limited to, whip antennas,
29 panel antennas and dish antennas.

30
31 Broadcast tower means a tower designed and constructed for the

1 principal purpose of supporting one or more radio and/or television
2 antenna, but also allowing for other secondary purposes such as
3 those regulated by Part 15 of this Zoning Code, including two-way
4 radio, paging, PCS, cellular and related wireless services.

5
6 Camouflaged tower means any wireless communication tower that is
7 designed to hide, obscure or conceal the presence of antennas and
8 the tower. Examples include, but are not limited to, clock towers,
9 bell towers, church steeples, utility poles, flag poles, light
10 poles, tree towers, stadium lights and water towers.

11
12 Collocation means the situation when a second or subsequent
13 wireless provider uses an existing structure to locate a second or
14 subsequent antennae.

15
16 Conventional wireless tower means a monopole designed and
17 constructed to support multiple antennas. This term does not
18 include camouflaged towers, low impact/stealth towers, broadcast
19 towers or amateur radio towers.

20
21 Distance means, where used in connection with required setbacks and
22 separation requirements, the distance from the center of a wireless
23 communication tower.

24
25 Environmentally sensitive lands means those areas of land or water
26 which are determined necessary by the local government (based on
27 locally determined criteria) to conserve or protect natural
28 habitats and ecological systems, as more fully set forth in the
29 City's 2010 Comprehensive Plan.

30
31 Federal Communications Commission (FCC) means the federal agency

1 charged with licensing and regulating wireless communications at
2 the national level.

3
4 Height means the vertical distance measured in feet from the ground
5 level of the tower to its highest point, including any antenna or
6 other appurtenances.

7
8 Lattice tower means a nonmonopole tower of lattice construction.

9
10 Low impact/stealth tower means a tapered monopole that is equipped
11 with visually low impact antenna mounts of wireless communication
12 service providers. Examples include, but are not limited to, low-
13 profile mounts, close-mounts, cobra-mounts and side-arm antennas.

14
15 Search ring means that area in which the antenna of a wireless
16 communication service provider must be located in order to provide
17 the provider's designed wireless communication service to a defined
18 geographic area.

19
20 Tower Review Committee means the public body charged with
21 responsibility for making final decisions with respect to
22 applications for waivers from minimum setback and separation
23 requirements, applications for waivers from landscaping
24 requirements, applications for variances from the maximum height
25 requirements for low impact/stealth towers, applications for
26 variances from the maximum height and projection requirements for
27 side-mount and rooftop antennas, applications for variances from
28 other maximum height requirements in Subpart A, and applications
29 for declaration of tower or antenna type.

30
31 Transportation view corridor means any public right-of-way,

1 including roads, waterways and trails; provided, however, that this
2 definition shall not include those public, unopened rights-of-way
3 platted prior to 1968.

4
5 Urban/suburban area boundary means that boundary depicted in the
6 Future Land Use Map series of the City of Jacksonville 2010
7 Comprehensive Plan, identifying the separation between the
8 rural/agricultural and urban/suburban areas of the City.

9
10 Wireless Communications Coordinator ("the Coordinator") means the
11 person charged with primary responsibility for coordinating the
12 filing and processing of all wireless communication tower and
13 antenna applications, maintaining a central database of all
14 wireless communication towers and antennas located within the City
15 and performing other duties as described in this Part.

16
17 Wireless communications facility means any equipment or facility
18 used to provide service and may include, but is not limited to,
19 antennae, towers, equipment enclosures, cabling, antenna brackets,
20 and other such equipment. Placing a wireless communications
21 facility on an existing structure does not cause the existing
22 structure to become a wireless communications facility.

23
24 Wireless communication service provider means the holder of an FCC
25 license to provide wireless telecommunication service, including,
26 but not limited to, cellular, personal communication services
27 (PCS), specialized mobilized radio (SMR), enhanced specialized
28 mobilized radio (ESMR), paging and similar services that are
29 marketed to the general public.

30
31 Wireless communication tower means any structure designed and

constructed for the purpose of supporting one or more communication antennas, including camouflaged towers, conventional wireless towers and low impact/stealth towers. This term does not include broadcast towers, amateur radio towers or those towers used solely for private-use dispatch purposes.

(Ord. 2001-600-E, §§ 2, 3; Ord. 2001-1058-E, § 2; Ord. 2002-709-E, § 1; Ord. 2007-561-E, § 1)

SUBPART A. - WIRELESS COMMUNICATION FACILITIES[15]

Footnotes:

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Editor's note— Ord. 2007-561-E, § 2, amended the Code by repealing former Subpart A, §§ 656.1503–656.1515, and adding a new Subpart A. Former Subpart A pertained to similar subject matter, and derived from Ords. 2001-600-E, 2001-1058-E, and 2002-709-E.

Sec. 656.1503. - Applicability.

(a) New towers. All new wireless communication towers on land within the City shall be subject to these zoning regulations. In the event of a conflict between any zoning district regulations and the regulations contained in this Part, the provisions of this Part shall override and supersede such other regulations, unless otherwise specifically set forth herein.

(b) Existing towers. Any wireless communication tower existing as of August 23, 2001, that does not comply with the height and design requirements of this Subpart shall be deemed a legally permitted nonconforming use. Expansion of the footprint of an existing wireless communication facility to accommodate collocation shall

1 not be deemed an expansion of a nonconforming use. Notwithstanding
2 their status as legally permitted nonconforming uses, all existing
3 wireless communication towers shall comply with the registration
4 and reporting requirements set forth in Section 656.1516, Ordinance
5 Code.

6
7 (c) Replacement towers. An existing wireless communication tower,
8 including a legally permitted nonconforming tower, may be replaced,
9 subject to building permit review, if the overall height of the
10 tower is not increased and the replacement tower is a monopole
11 tower or, if the existing tower is a camouflaged tower, the
12 replacement tower is a like-camouflaged tower. All replacement
13 towers shall comply with the originally approved landscape plan.
14 The Tower Review Committee may grant waivers from the originally
15 approved landscape plan according to Section 656.1508, Ordinance
16 Code.

17
18 (d) Height increases. An antenna placement or collocation proposal
19 that increases the height of a tower shall be subject to the
20 requirements set forth in Section 656.1510, Ordinance Code. An
21 increase in the height of an existing wireless communication tower
22 beyond that permitted in Section 656.1510, Ordinance Code, shall be
23 treated as a new tower and shall be subject to all the requirements
24 of this Subpart A, except for those requirements concerning the
25 minimum distance requirements.

26 (Ord. 2007-561-E, § 2)

27
28 Sec. 656.1504. - Wireless communication towers.

29
30 The construction of a wireless communication tower in any zoning
31 district within the City may be initiated only upon approval of an

1 application in accordance with the relevant procedures set forth
2 herein. The original application, along with eight copies, shall be
3 filed with the Coordinator by the owner of the land upon which the
4 proposed tower is to be located, or his authorized agent. Within
5 ten working days of receipt of an application, the Coordinator
6 shall determine if the application form has been fully completed
7 and all required items submitted. Upon making this determination,
8 the Coordinator shall notify the applicant, in writing, of the
9 status of the application. If the Coordinator determines that the
10 application is incomplete, he shall advise the applicant of those
11 items that need to be submitted. If the Coordinator determines that
12 the application is complete, he shall advise the applicant of the
13 estimated schedule for processing the application and projected
14 date for obtaining either an approval or denial of same.
15 Additionally, the Coordinator shall forward a complete copy of the
16 application and all correspondence with the applicant to the
17 Council President, the District Council Member and the Office of
18 General Counsel.

19 (Ord. 2007-561-E, § 2)
20

21 Sec. 656.1505. - Track I Towers - Administratively approved.
22

23 (a) Applications for wireless communication towers that meet the
24 location and design requirements to be "Track I" towers shall be
25 assigned for processing on an expedited "Track I" schedule. Upon a
26 determination by the Coordinator that the application is complete,
27 the Coordinator shall determine whether the application satisfies
28 the criteria for a Track I Tower and issue an order granting or
29 denying the application for a Track I Tower, within the timeframe
30 set forth in Section 656.1511(b), Ordinance Code. If the
31 Coordinator determines that the application satisfies the criteria,

1 the Coordinator shall issue an order approving the application and
2 forward a copy of the order and application to the District Council
3 Member, and if there is no District Council Member, the At-large
4 Council Member from the Group which contains the appropriate
5 district.

6
7 (b) Track I requirements. A tower may be considered a Track I
8 camouflaged tower if it satisfies all of the following criteria:

9
10 (1) The tower is an appropriate approved camouflaged design,
11 pursuant to section 656.1509(c), Ordinance Code, or the tower is
12 less than 50 feet and less than the maximum height allowed of a
13 principle structure on the site per the Ch. 656 and meets the
14 definition for "small wireless facilities", as defined in Part 4,
15 Ch. 711, Ordinance Code;

16
17 (2) The tower is located in a non-residential zoning district;

18
19 (3) The tower height shall be:

20
21 (i) 150 feet or less, if located in an industrial use category of
22 the Future Land Use Plan;

23
24 (ii) 130 feet or less, if located in a Community/General
25 Commercial, Regional Commercial or Central Business District
26 category of the Future Land Use Plan;

27
28 (iii) 110 feet or less, if located in a Neighborhood Commercial or
29 Public Buildings and Facilities category of the Future Land Use
30 Plan;

1 (iv) 90 feet or less, if located in any other non-residential
2 category of the Future Land Use Plan, except the Conservation
3 category;

4
5 (4) The tower will be located at least 100 feet or 100% of the
6 tower height, whichever distance is greater, from the property line
7 of any property within a Residential category of the Future Land
8 Use Plan and with residential zoning, or from a portion of a
9 Planned Unit Development zoned for residential uses;

10
11 (5) The tower will be set back a minimum distance of 50 feet from
12 any transportation view corridor, a public park, a historic
13 district, a historic landmark, and any environmentally sensitive
14 land; unless the camouflaged tower is designed to resemble a
15 utility or light pole, or the tower is 50 feet or less and less
16 than the maximum height allowed of a principle structure on the
17 site per the Ch. 656 and meets the definition and the design
18 guidelines for "small wireless facilities", as defined in Part 4,
19 Ch. 711, Ordinance Code; ~~a public park; a historic district; a~~
20 ~~historic landmark, and any environmentally sensitive land;~~

21
22 (6) There is no technologically and structurally suitable space
23 available on commercially reasonable terms on an existing or
24 proposed tower or structure within the search ring; and

25
26 (7) The view of the base of the wireless communication facility
27 from any residentially neighborhoods, environmentally sensitive
28 lands, historic districts, historic landmarks, public parks or
29 transportation view corridors will be mitigated through the use of
30 either: (i) meeting performance standards of Sec. 656.1512(c),
31 Ordinance Code ~~a landscaping buffer outside the perimeter of the~~

1 ~~security fence; (ii) a wall, a minimum of eight feet in height and~~
2 ~~with 100% opacity; or (iii) intervening structures or existing~~
3 ~~vegetation that provide the equivalent screening, (iii) or the~~
4 ~~tower is 50 feet or less and less than the maximum height allowed~~
5 ~~of a principle structure on the site per the Ch. 656 and meets the~~
6 ~~definition for "small wireless facilities", as defined in Part 4,~~
7 ~~Ch. 711, Ordinance Code. The landscape buffer, if provided, shall~~
8 ~~be a minimum of ten feet wide and consist of the landscaping~~
9 ~~indicated in the landscaping performance standard of Sec.~~
10 ~~656.1512(c), Ordinance Code.~~

11
12 (8) Separation. For towers over 50 feet, no tower shall be
13 permitted to be constructed within 750 feet of another tower over
14 50 feet;

15
16 (c) Appeal. If the Coordinator determines that an application
17 satisfies all of the criteria, the District Council Member, or if
18 there is no District Council Member, the At-large Council Member
19 from the Group which contains the appropriate district, shall have
20 14 days to appeal the determination in the following manner:

21
22 (1) The District Council Member shall file a formal notice of
23 appeal with the Coordinator within 14 days of receiving the
24 application;

25
26 (2) The Coordinator shall set the matter for a hearing before the
27 Commission;

28
29 (3) The Commission's review is limited to whether or not the
30 camouflaged design was appropriate for the site and/or whether
31 there is no technologically and structurally suitable space

1 available on commercially reasonable terms on an existing or
2 proposed tower or structure within the search ring.

3
4 (4) The parties to the proceeding are the District Council Member,
5 the Department, and the applicant. No other parties shall be
6 permitted to comment.

7
8 (5) The Commission shall issue a finding regarding the appeal on
9 the date of the hearing and this finding shall be the final agency
10 action for the City, with appeals to a court of competent
11 jurisdiction.

12 (Ord. 2007-561-E, § 2)

13
14 Sec. 656.1506. - Track II Towers - Commission approved.

15
16 (a) Application and review. Applications to construct a
17 camouflaged tower not satisfying the criteria set forth in Section
18 656.1505, Ordinance Code, or low impact/stealth tower shall be
19 assigned for processing on a "Track II" schedule. Within 15 days of
20 notification from the Coordinator that the application is complete,
21 a Track II application shall be scheduled for review at the next
22 regularly scheduled meeting of the Commission. The Commission shall
23 approve, deny or conditionally approve the application where it
24 finds that the proposed tower (1) complies with the tower siting
25 and design requirements and performance standards of this Subpart;
26 and (2) is compatible with the existing contiguous uses or zoning
27 and compatible with the general character and aesthetics of the
28 surrounding neighborhood or area, considering (a) the design and
29 height of the wireless communication tower; and (b) the potential
30 adverse impact upon any environmentally sensitive lands, historic
31 districts or historic landmarks, public parks or transportation

1 view corridors.

2
3 (b) Camouflaged towers; Siting and Design Requirements. Except as
4 set forth in Section 656.1514, Ordinance Code, Track II camouflaged
5 towers shall be permitted in all zoning districts, including
6 Planned Unit Development Districts, and shall meet the
7 compatibility requirements set forth in subsection (a) above and
8 shall be subject to the following siting and design requirements:

9
10 (1) Height. Track II camouflaged towers shall not be subject to a
11 maximum height requirement, so long as the proposed tower is
12 architecturally and aesthetically compatible with the surrounding
13 community.

14
15 (2) Setbacks. Regardless of the zoning district in which a
16 camouflaged tower is proposed to be constructed, the tower shall be
17 set back a distance of at least 100 feet or 100 percent of the
18 tower height, whichever distance is greater, from the nearest
19 residential lot line of any single family residence or single
20 family residentially-zoned property, including residential PUD
21 districts and properties with a single-family residential component
22 in a mixed-use PUD district, or AGR IV land use category; provided,
23 however, that this setback shall not be required where legal title
24 to the nearest residential parcel is held by the owner of the tower
25 site. In the event that the proposed tower is to be located within
26 a mixed use Planned Unit Development (PUD), the minimum distance
27 set forth herein shall be measured from the nearest residential
28 use. Camouflaged towers shall also be set back a minimum distance
29 of 50 feet from any transportation view corridor or environmentally
30 sensitive lands; provided, however, that the set back from the
31 transportation view corridor shall not apply where the camouflaged

1 tower is designed to resemble a utility or light pole, or the tower
2 is 50 feet or less, and less than the maximum height allowed of a
3 principle structure on the site per the Ch. 656, and meets the
4 definition and the design guidelines for "small wireless
5 facilities", as defined in Part 4, Ch. 711, Ordinance Code.

6
7 (3) Collocation. Any camouflaged tower in excess of 100 feet in
8 height shall be designed to accommodate antennas for at least two
9 separate wireless communication service providers.

10
11 (4) Separation. For towers over 50 feet, no camouflaged tower shall
12 be permitted to be constructed within 750 feet of another
13 camouflaged tower;

14
15 (c) Low impact/stealth towers; Siting and Design Requirements.
16 Except as set forth in Section 656.1514, Ordinance Code, low
17 impact/stealth towers shall be permitted in all zoning districts,
18 including Planned Unit Development Districts, and shall meet the
19 compatibility requirements set forth in subsection (a) above and
20 shall be subject to the following siting and design requirements:

21
22 (1) Height. The maximum height of low impact/stealth towers in any
23 residential zoning district is 110 feet. In all other districts,
24 the maximum height of low impact/stealth towers is 130 feet;
25 provided, however, that a variance may be sought from the Tower
26 Review Committee in accordance with the provisions of this Subpart
27 to increase the maximum height of a proposed low impact/stealth
28 tower in a nonresidential zoning district up to an additional 30
29 feet. No variance shall be required, however, where close-mount
30 antennas are proposed to be located on that portion of a low
31 impact/stealth tower in excess of 130 feet, so long as the overall

1 tower height of the tower does not exceed 160 feet and the tower is
2 located in a nonresidential zoning district.

3
4 (2) Setbacks. Regardless of the zoning district in which a low
5 impact/stealth tower is located; the tower shall be set back a
6 distance of at least: (a) 250 feet or 200 percent of the tower
7 height, whichever distance is greater, from the nearest residential
8 lot line of any single family residence or single family
9 residentially-zoned property, including residential PUD districts
10 and properties with a single-family residential component in a
11 mixed-use PUD district or AGR IV land use category; provided,
12 however, that this setback shall not be required where legal title
13 to the nearest residential parcel is held by the owner of the tower
14 site; and (b) 150 feet or 100 percent of the tower height,
15 whichever distance is greater, from the nearest residential lot
16 line of any Residential Medium Density (RMD), Residential Office
17 (RO), Commercial/Residential/Office (CRO) or Residential High
18 Density (RHD) zoning districts; provided, however, that this
19 setback shall not be required where legal title to the nearest
20 residential parcel is held by the owner of the tower site. In the
21 event that the proposed tower is to be located within a mixed use
22 Planned Unit Development (PUD), the minimum distances set forth
23 herein shall be measured from the nearest residential use. Stealth
24 towers shall also be set back a minimum distance of 250 feet or 200
25 percent of the tower height, whichever distance is greater, from
26 the nearest boundary of a public park, historic district, historic
27 landmark, Neighborhood Conservation District or environmentally
28 sensitive lands, and a minimum distance of 100 feet from any
29 transportation view corridor.

30
31 (3) Separation. No low impact/stealth tower shall be permitted to

1 be constructed within 1,500 feet of another stealth tower or a
2 conventional wireless tower.

3
4 (4) Collocation. Any low impact/stealth tower proposed to be
5 constructed between 100 and 110 feet in height shall be designed to
6 accommodate antennas for at least two separate wireless
7 communication service providers. Any low impact/stealth tower
8 proposed to be constructed in excess of 110 feet in height shall be
9 designed to accommodate antennas for at least three separate
10 wireless communication service providers.

11
12 (d) Public hearings. A public hearing shall be held by the
13 Commission on all Track II Tower applications. Notice of the public
14 hearing shall be given pursuant to the written notice and posting
15 of sign requirements of Section 656.137(a), (c) and (d). No
16 published advertisement shall be required.

17
18 (e) Appeals. When the Commission acts on a Track II application,
19 such action shall be deemed the final action of the City as of the
20 effective date of the final action by the Commission. A final
21 action under this Section shall not be reviewed further by the City
22 Council. Any person with standing may challenge a final action
23 taken by the Commission as authorized by law.

24 (Ord. 2007-561-E, § 2; Ord. 2010-613-E, § 1; Ord. 2015-338-E , § 1)

25
26
27 Sec. 656.1507. - Conventional wireless towers ("Track III")_
28 Council approved.

29
30 Applications to construct a conventional wireless tower shall be
31 assigned for processing on a "Track III" schedule. Within 30 days

1 of notification from the Coordinator that the application is
2 complete, a Track III application shall be assigned a legislative
3 bill number and scheduled for a public hearing before the
4 appropriate committee of reference of the City Council. The
5 committee shall recommend approval, denial, or conditional approval
6 of the application based upon its compliance with the review
7 criteria and the siting and design standards set forth in this
8 Section, as well as the performance standards for all wireless
9 communication towers set forth in this Subpart.

10
11 (a) Siting and design standards. Conventional wireless
12 communication towers shall only be allowed in those zoning
13 districts and land use categories located outside the
14 urban/suburban area boundary that do not allow for residential
15 uses, subject to the siting and design requirements set forth in
16 this Section.

17
18 (1) Height. The maximum height of a conventional wireless tower is
19 199 feet.

20
21 (2) Design. All conventional wireless towers must be of a monopole
22 design.

23
24 (3) Setbacks. Regardless of the zoning district in which a
25 conventional wireless tower is located, the tower shall be set back
26 a distance of at least: (a) 250 feet or 200 percent of the tower
27 height, whichever distance is greater, from the nearest
28 residentially zoned parcel; provided, however, that this setback
29 shall not be required where legal title to the nearest residential
30 parcel is held by the owner of the tower site. In the event that
31 the proposed tower is to be located within a mixed use Planned Unit

Development (PUD), the minimum distance set forth herein shall be measured from the nearest residential use. Conventional wireless towers shall also be set back a minimum distance of 250 feet or 200 percent of the tower height, whichever distance is greater, from the nearest boundary of a public park, historic district, historic landmark, Neighborhood Conservation District or environmentally sensitive lands, and a minimum distance of 100 percent of the tower height from any transportation view corridor.

(4) Separation. No conventional wireless tower shall be permitted to be constructed within 2,640 feet of another conventional wireless tower.

(5) Collocation. Conventional wireless towers shall be designed to accommodate collocation of antennas for multiple wireless communication service providers, as follows:

Conventional Tower Height	Total Number of Providers
---------------------------	---------------------------

< 110 feet	2
110 feet-130 feet	3
131 feet-170 feet	4
171 feet-199 feet	5

(b) Public hearing. A public hearing shall be held by the Council to consider all conventional wireless tower applications. Notice of the time and place of the public hearing shall be made as provided in Section 656.124, Ordinance Code. Additionally, the notice shall specify the proposed height of the tower and the number of wireless communications service provider(s) that can be located on the tower.

The Department shall be responsible for making an advisory

1 recommendation to the Council on each application for a
2 conventional wireless tower. Said recommendation shall be in
3 writing and furnished to the assigned committee members, the
4 Council President, the District Council Member and the applicant at
5 least three days prior to the scheduled hearing.

6
7 (c) Balloon test. Applications for conventional wireless towers
8 shall be required to conduct a "balloon test," unless otherwise
9 prohibited by law. The test shall be conducted as follows:

10
11 (1) The balloon shall be red and a minimum of four feet in
12 diameter, anchored to the ground so that it flies at the same
13 height and location as the proposed tower.

14
15 (2) The balloon shall be flown continuously from 7:00 a.m. until
16 sunset for two separate days within the same week.

17
18 (3) The test shall be conducted during the week prior to the first
19 scheduled public hearing for the conventional wireless tower before
20 the Council committee of reference. Notice of the scheduled week of
21 the balloon test shall be given along with the notice of the public
22 hearing in accordance with Section 656.124, Ordinance Code.

23
24 (d) Review criteria. An application for a conventional wireless
25 tower permit shall be granted only if the Council finds, from a
26 preponderance of the record evidence, that the proposed tower meets
27 the following standards and criteria:

28
29 (1) The proposed tower shall be consistent with the Comprehensive
30 Plan, including any subsequent plan adopted by the Council pursuant
31 thereto;

1
2 (2) The proposed tower shall comply with both the siting and
3 design standards for conventional wireless towers and the
4 performance standards for all wireless communication towers;

5
6 (3) The proposed tower site shall be sufficiently accessible to
7 permit entry onto the property by fire, police, rescue and other
8 services;

9
10 (4) The height of the proposed tower shall be deemed necessary to
11 provide the wireless provider's designed service,

12
13 (5) The absence of any existing or proposed towers, buildings or
14 other structures that could provide technologically and
15 structurally suitable space for collocation on commercially
16 reasonable terms;

17
18 (6) The proposed tower shall be compatible with the existing
19 contiguous uses or zoning and compatible with the general character
20 and aesthetics of the surrounding neighborhood or the area,
21 considering:

22
23 (i) The design and height of the communication tower;

24
25 (ii) The potential adverse impact upon any environmentally
26 sensitive lands, historic districts or historic landmarks, public
27 parks or transportation view corridors; and

28
29 (iii) The mitigating effect of any existing or proposed
30 landscaping, fencing or other structures in the area, as well as
31 the proximity of the communications tower to existing or proposed

1 buildings or structures.

2 (Ord. 2007-561-E, § 2)

3
4 Sec. 656.1508. - Application requirements.

5
6 (a) Application fees. The fees contained within this Section are
7 subject to the Annual Review of Fees provision found in Section
8 106.112, Ordinance Code.

9
10 (1) Track I applications. The base application fee for review of
11 an application to construct a Track I camouflaged tower shall be as
12 found in www.coj.net/fees.

13
14 (2) Track II applications. The base application fee for review of
15 an application to construct a non-Track I camouflaged tower or low
16 impact/stealth tower shall be as found in www.coj.net/fees.

17
18 (3) Track III applications. The base application fee for review of
19 an application to construct a conventional wireless tower shall be
20 as found in www.coj.net/fees.

21
22 (4) Technical consultants. The City shall have the right to retain
23 independent technical consultants and experts that it deems
24 necessary to properly evaluate applications for individual wireless
25 communication towers. The applicant shall be responsible for paying
26 the costs of said review, which costs shall be based upon a
27 reasonable hourly rate. Payment is due upon receipt of the billing
28 invoice, and proof of same shall be required prior to consideration
29 of the application by the appropriate reviewing authority.

30
31 (b) Submittal information. Applications to construct a wireless

1 communication tower shall contain the following information:

2
3 (1) The identity of the owner(s) of the proposed tower and the
4 land on which the tower is to be located.

5
6 (2) The location of the proposed tower, including street address
7 and parcel real estate number, as well as longitude and latitude
8 coordinates;

9
10 (3) A current zoning map showing the location of the proposed
11 tower;

12
13 (4) A legal description of the parent tract and tower site (if
14 applicable);

15
16 (5) A scaled site plan clearly indicating the tower size, type and
17 height, the location of any accessory buildings, on-site land uses
18 and zoning, adjacent land uses and zoning, adjacent roadways,
19 proposed means of access, distances from property lines, elevation
20 drawings of the proposed tower, and any other proposed structures;

21
22 (6) Distance between the proposed tower and the nearest
23 residencially zoned lands;

24
25 (7) Distance between the proposed tower and the nearest boundary
26 of any public park or environmentally sensitive lands located
27 within two miles of the proposed tower;

28 (8) A landscape plan showing specific landscape materials;

29
30 (9) The method of fencing, finished color and, if applicable, the
31 method of aesthetic mitigation and illumination;

1
2 (10) A map depicting (a) all existing wireless communication
3 towers within a one-half mile radius of the proposed tower, (b) all
4 proposed wireless communication towers within a one-half mile
5 radius of the proposed tower that are currently in the permitting
6 process, and (c) all structures in excess of 80 feet that could
7 reasonably support a wireless communication antenna and are located
8 within the search ring of the proposed tower. The location of
9 proposed towers currently in the permitting process may be obtained
10 from the Coordinator.

11
12 (11) Written evidence that there is no technologically and
13 structurally suitable space available on commercially reasonable
14 terms on an existing or proposed tower or structure within the
15 search ring;

16
17 (12) Details of all proposed antennas and mounting equipment,
18 including size and color;

19
20 (13) A design drawing including cross section and elevation of the
21 proposed tower. A description of the tower's capacity, including
22 the number and type of antennas it can accommodate as well as the
23 proposed location of all mounting positions for co-located antennas
24 and the minimum separation distances between antennas;

25
26 (14) Certified statement from a licensed professional engineer
27 attesting to the structural integrity of the tower and its ability
28 to accommodate additional antennas;

29 (15) A photographic simulation of the proposed wireless
30 communication facility in order to help the approving authority
31 ascertain the visual impacts associated with such proposal. Where

1 the tower does not meet the minimum setback requirements set forth
2 in this Subpart, the applicant shall provide a view-shed analysis
3 showing various angles from which the tower would be visible from
4 the nearest boundary of said lands;

5
6 (16) Confirmation in the form of a copy of a lease or contract
7 that the proposed tower will be used by at least one wireless
8 communication service provider, including the identification of
9 said provider(s), but redacting any financial or proprietary
10 information;

11
12 (17) Any additional information deemed necessary by the
13 Coordinator to complete its review of the application.

14
15 (c) Conditions to issuance of final permit. Prior to issuance of
16 the final permit authorizing construction of a proposed tower, the
17 applicant shall submit written documentation to the Coordinator of
18 the following:

19
20 (1) FCC license and registration numbers, if applicable;

21
22 (2) Evidence of compliance with Federal Aviation Administration
23 requirements concerning the affect on navigable airspace; and

24
25 (3) Confirmation in the form of a copy of a lease or contract that
26 the proposed tower will be used by at least one wireless
27 communication service provider, including the identification of
28 said provider(s), but redacting any financial or proprietary
29 information.

30 (Ord. 2007-561-E, § 2; Ord. 2010-216-E, § 10; Ord. 2017-665-E , §
31 29)

1
2
3 Sec. 656.1509. - Tower Review Committee.
4

5 There is hereby established a committee to be known as the Tower
6 Review Committee ("TRC"). A waiver from the minimum setback and
7 separation requirements, waiver from the landscape requirements of
8 this Part 15, variance from the maximum height requirements for low
9 impact/stealth towers, variance from the maximum height and
10 projection requirements for side-mount and rooftop antennas,
11 variance from the other maximum height requirements in this Subpart
12 A, or declaration that a proposed tower or antenna qualifies as
13 either a camouflaged or low impact/stealth tower or antenna may
14 only be obtained from the Tower Review Committee. The Tower Review
15 Committee shall be composed of three members of the appropriate
16 committee of the City Council and two members of the Commission.
17 The Chairman of the appropriate committee of the City Council shall
18 appoint three members of that committee to serve on the Tower
19 Review Committee. The Chairman of the Commission shall appoint two
20 members of that commission to serve on the Tower Review Committee.
21 Each Tower Review Committee member shall serve for a term of one
22 year or until his successor shall have been appointed. The term of
23 each committee member shall be from July 1 to June 30 each year,
24 and members may serve for additional consecutive terms. All Tower
25 Review Committee members must remain members of the appropriate
26 committee of the City Council or the Commission, as the case may
27 be, during their entire term as a member of the Tower Review
28 Committee. When the Tower Review Committee acts on an application
29 for a waiver from the minimum setback and separation requirements,
30 a waiver from the landscaping requirements of this Part 15, a
31 variance from the maximum height requirements for low

1 impact/stealth towers, a variance from the maximum height and
2 projection requirements for side-mount and rooftop antennas, a
3 variance from the other maximum height requirements in this Subpart
4 A, or a declaration that a proposed tower or antenna constitutes an
5 acceptable low impact/stealth or camouflage design, such action
6 shall be deemed the final action of the City of Jacksonville as of
7 the effective date of the final action by the Tower Review
8 Committee.

9
10 (a) Public hearing. A public hearing shall be held by the Tower
11 Review Committee to consider all applications for a waiver of the
12 minimum setback and separation requirements of this Subpart A, a
13 waiver from the landscaping requirements of this Part 15, a
14 variance from the maximum height requirements for low
15 impact/stealth towers, a variance from the maximum height and
16 projection requirements for side-mount and rooftop antennas, a
17 variance from the other maximum height requirements in this Subpart
18 A, or a declaration that a proposed tower or antenna qualifies as
19 either a camouflaged or low impact/stealth tower or antenna. Notice
20 of the public hearing shall be given pursuant to the written notice
21 and posting of sign requirements of Section 656.137(a), (c) and (d).
22 No published advertisement shall be required.

23 The Department shall be responsible for making an advisory
24 recommendation to the Tower Review Committee on each application
25 for a waiver or variance. Said recommendation shall be in writing
26 and furnished to the Tower Review Committee and the applicant at
27 least three days prior to the scheduled hearing.

28
29 (b) Waiver and variance criteria. The Tower Review Committee may
30 grant a waiver from the minimum setback and separation requirements
31 of this Subpart A, a waiver from the landscaping requirements of

1 this Part 15, a variance from the maximum height requirements for
2 low impact/stealth towers, a variance from the maximum height and
3 projections requirements for side-mount and rooftop antennas, or a
4 variance from the other maximum height requirements in this Subpart
5 A, only upon proof that there are no less intrusive means for
6 siting the tower or antenna to meet the coverage needs of a
7 Wireless Communications Service Provider. This burden may only be
8 met where the applicant proves, by a preponderance of the evidence,
9 that the request meets the following standards and criteria, to the
10 extent applicable:

11
12 (1) The location of existing uses, structures or other features on
13 or adjacent to the property create a need for the waiver or
14 variance;

15
16 (2) The request is not based exclusively upon the desire to reduce
17 the cost of developing the site or to circumvent the requirements
18 or Chapter 656, Part 15, Subpart A (Wireless Communication
19 Facilities);

20
21 (3) The proposed waiver or variance is the minimum necessary to
22 address the need for the request;

23
24 (4) The proposed waiver or variance will reflect, to the greatest
25 extent reasonably practicable, the physical character, massing,
26 scale and architecture of the surrounding land uses;

27
28 (5) The proposed waiver or variance will not have a significant
29 detrimental impact on adjacent property values;

30 (6) The proposed waiver or variance will be compatible with the
31 existing contiguous uses or zoning, as well as the general

1 character and aesthetics of the neighborhood or area, considering
2 the design and height of the tower or antenna, the mitigating
3 effect of any existing or proposed landscaping, fencing or other
4 structures in the area, and for towers, the proximity of the tower
5 to existing or proposed buildings or other structures, and similar
6 factors; and

7
8 (7) The strict application of the requirements of this Section
9 would constitute a substantial hardship to the applicant, which
10 hardship is not self-created or self-imposed.

11
12 (c) Declaration criteria. The Tower Review Committee has already
13 declared an initial list of approved camouflaged and low
14 impact/stealth tower and antenna-mount designs. The Tower Review
15 Committee may add to those lists by issuing a declaration that a
16 proposed tower or antenna mount constitutes an acceptable
17 camouflage or low impact/stealth design only upon proof of the
18 following:

19
20 (1) The proposed design is consistent with the intent and purpose
21 of this Section; and

22
23 (2) The proposed design does not detract from the physical
24 character, massing, scale and architecture of the surrounding
25 structures and land uses.

26
27 (d) Appeals. A final action under this subsection shall not be
28 reviewed further by the City Council. Any person with standing may
29 challenge a final action taken by the Tower Review Committee in
30 whatever way authorized by federal or state law.

1 (e) Application fees. The application fee for a waiver, variance,
2 or declaration of tower or antenna type under this Section shall be
3 as found in www.coj.net/fees . The fees contained within this
4 Section are subject to the Annual Review of Fees provision found in
5 Section 106.112, Ordinance Code.

6 (Ord. 2007-561-E, § 2; Ord. 2010-216-E, § 10; Ord. 2010-613-E, § 1;
7 Ord. 2017-665-E , § 29)

8
9 Sec. 656.1510. - Wireless communication antennas.

10
11 The placement of a new wireless communication antenna on any
12 structure within the City may be initiated only upon approval of an
13 application in accordance with the relevant procedures set forth in
14 this section; provided, however, "small cell antennas" to be
15 mounted on "City improvements" as those terms are defined in Part
16 4A, Ch. 711, Ordinance Code, shall be governed by Part 4A, Ch. 711,
17 Ordinance Code, and not by this Ch. 656, Ordinance Code.
18 Applications shall be filed with the Coordinator by the owner of
19 the structure upon which the proposed antenna is to be located, or
20 his authorized agent. Within ten working days of receipt of an
21 application, the Coordinator shall determine if the application
22 form has been fully completed and all required items submitted.
23 Upon making this determination, the Coordinator shall notify the
24 applicant, in writing, of the status of the application. If the
25 Coordinator determines that the application is incomplete, the
26 Coordinator shall advise the applicant of those items that need to
27 be submitted. If the Coordinator determines that the application is
28 complete, the Coordinator shall advise the applicant of the
29 estimated schedule for processing the application and projected
30 date for obtaining either an approval or denial of same.

(a) Collocation on existing wireless communication towers. Applications for collocations on existing towers shall be filed as part of the building permit application process and routed to the Coordinator for review. Upon proof of compliance with the application requirements set forth in this section, and proof that either the proposed communication antenna is an approved low impact/stealth or camouflaged design pursuant to Section 656.1509(c), Ordinance Code, or that the antenna is consistent with the design or placement requirements that were in effect at the time of the initial antennae placement approval, then the Coordinator shall issue an order authorizing the placement of the proposed collocation on an existing wireless communication tower. The permitting of such a collocation shall not abrogate the characterization of a tower as a legally permitted nonconforming use, and the tower site's original landscape plan shall remain in effect. Additionally, expansions of the footprint of an existing wireless communication facility compound to accommodate collocation shall not be deemed an expansion of a nonconforming use; provided, however, that all additional accessory equipment shall be landscaped pursuant to Section 656.1512(c), or as otherwise determined by the Coordinator so long as the visual impacts of the additional accessory equipment are mitigated. Final orders issued by the Coordinator under this section may be appealed to the Commission. When the Commission acts on an appeal filed under this section, such action shall be deemed the final action of the City as of the effective date of the final action by the Commission. A final action under this section shall not be reviewed further by the City Council. Any person with standing may challenge a final action taken by the Commission in whatever way authorized by federal or state law.

(b) Administratively approved antennas. Except for a historic building, structure, site, object, or district, small cell antennas governed by Part 4A, Ch. 711, Ordinance Code, or a tower included in Section 656.1510(a), the Coordinator shall issue an order authorizing the placement of a communication antenna on an existing structure that meets the requirements set forth in subsections (1)-(45) below.

(1) The antenna does not increase the height of the existing structure to which the antennae are to be attached, measured to the highest point of any part of the structure or any existing antenna attached to the structure, by more than 15 feet;

(2) The antenna does not increase the area of the wireless communication facility, if any, approved in the site plan for equipment enclosures and ancillary facilities;

(3) The antennae, equipment enclosures, and ancillary facilities are of an appropriate camouflaged or low-impact/stealth design or are of a design consistent with the design of an initial antennae placed on the structure, if applicable; and

(4) There no technologically and structurally suitable manner on commercially reasonable terms to place the antenna on an existing structure within the search ring without increasing the height.

(5) Neither rooftop nor side-mount antennas shall be sited on any lot containing a single-family dwelling unit as the principal structure.

(c) Public hearing for antennas. Those antennas that do not

1 satisfy the requirements set forth in Sections 656.1510(a) and
2 656.1510(b), or Part 4A, Ch. 711, Ordinance Code, shall be reviewed
3 by the Commission. Within seven days of notification from the
4 Coordinator that the application is complete, an application for an
5 antenna which is subject to a public hearing before the Commission,
6 shall be scheduled for review before the next meeting of the
7 Commission. When the Commission acts on an antenna application,
8 such action shall be deemed the final action of the City as of the
9 effective date of the final action by the Commission. A final
10 action under this Section shall not be reviewed further by the City
11 Council. Any person with standing may challenge a final action
12 taken by the Commission in whatever way authorized by federal or
13 state law. The Commission shall approve, deny or conditionally
14 approve an application for a wireless communication antenna based
15 upon its compliance with the applicable siting and design
16 standards, as follows:

17
18 (1) Low impact/stealth or camouflaged design rooftop antennas,
19 design approved pursuant to Section 656.1509(c) Ordinance Code, not
20 extending more than 25 feet above the roof line shall be permitted
21 in all zoning districts, subject to the antenna application
22 requirements set forth in this Subpart.

23
24 (2) Non low impact/stealth or noncamouflaged design rooftop
25 antennas not extending more than ten feet above the roof line shall
26 be permitted in all zoning districts, subject to the application
27 requirements set forth in this Subpart.

28
29 (3) Side-mount antennas not projecting more than 20 inches from
30 the face of the structure shall be permitted in all zoning
31 districts, subject to the application requirements set forth in

1 this Subpart. Side-mount antennas shall be designed and placed so
2 as to be architecturally and aesthetically compatible with the
3 structure.

4
5 (4) Neither rooftop nor side-mount antennas shall be sited on any
6 lot containing a single-family dwelling unit as the principal
7 structure.

8
9 (d) Variance from side-mount and rooftop height and projection
10 requirements on non-tower structures. A variance from the maximum
11 height and projection requirements on non-tower structures set
12 forth in this Subpart may only be obtained from the Tower Review
13 Committee in accordance with the procedures and criteria set forth
14 in Section 656.1509, Ordinance Code.

15
16 (e) Application requirements.

17
18 (1) Application fee. The application fee for review of an
19 application to site a wireless communication antenna on an existing
20 tower or structure shall be as found in www.coj.net/fees .

21
22 (2) Submittal information. Applications to site a wireless
23 communication antenna on an existing tower or structure shall
24 contain the following information:

25
26 (i) The identity of the wireless communication service provider,
27 as well as the owner(s) of the structure and land upon which the
28 antenna will be located;

29
30 (ii) A written legal description of the site and a
31 boundary/improvements survey;

(iii) A site plan clearly indicating the antenna size, type and height, and the location of any accessory buildings;

(iv) A landscape plan showing specific landscape materials for accessory equipment located at ground-level;

(v) The method of fencing, finished color and, if applicable, the method of aesthetic mitigation and illumination.

(f) Notification. Upon approval of an application for a side-mount and rooftop antenna, the Coordinator shall notify the Jacksonville Sheriff's Office, Jacksonville Aviation Authority and Jacksonville Information Technology Division, and the District Council Member.

(Ord. 2007-561-E, § 2; Ord. 2010-216-E, § 10; Ord. 2011-732-E; Ord. 2016-113-E , § 1; Ord. 2017-665-E , § 29)

Sec. 656.1511. - Time Periods; automatic approval.

(a) The Coordinator shall grant or deny each properly completed application for a collocation in no case later than 45 business days after the date the application is determined to be properly completed by the Coordinator.

(b) The Coordinator, Commission, Tower Review Committee or the City Council shall grant or deny each completed application for any other wireless communication facility in no case later than 90 business days after the date the application is determined to be properly completed by the Coordinator.

(c) If the Commission, Tower Review Committee or the City Council does not act within the time periods set forth in this Section,

1 then the application for the collocation or wireless communication
2 facility shall be deemed to be automatically approved.

3 (Ord. 2007-561-E, § 2)

4
5 Sec. 656.1512. - Performance standards.

6
7 In addition to the siting and design standards set forth in this
8 Subpart, all wireless communication towers, ~~—~~ shall satisfy the
9 following performance standards, except towers 50 feet or less and
10 less than the maximum height allowed of a principle structure on
11 the site per the Ch. 656 and meets the definition and the design
12 guidelines for "small wireless facilities", as defined in Part 4,
13 Ch. 711, Ordinance Code:

14
15 (a) No advertising. The wireless communication tower shall not be
16 used for any advertising purpose, including signage, designs or
17 logos.

18
19 (b) Security wall or fence. A minimum eight-foot high finished
20 masonry wall or wooden fence shall be required around all portions
21 of noncamouflaged wireless communication tower sites visible from
22 the public view. In industrial zoned sites, however, the fence may
23 be a chain link fence or other type of security fence. For purposes
24 of this Section, a finished masonry wall includes, but is not
25 limited to, stucco, brick or any other decorative cover or finish.

26
27 (c) Landscaping. The visual impacts of wireless communication
28 tower sites shall be mitigated through the use of a landscaping
29 buffer outside the perimeter of the security fence or wall. The
30 landscape buffer shall be a minimum of ten feet on all sides
31 subject to and consisting of the following:

1
2 (1) A row of evergreen shade trees a minimum of 15 feet tall (at
3 the time of planting) with a four-inch caliper, spaced a maximum of
4 15 feet apart; and

5
6 (2) A row of evergreen shrubs such as viburnum , ligustrum , holly
7 or juniper, a minimum of four-feet tall (at the time of planting)
8 and potted in seven-gallon containers, planted four feet on center,
9 in order to maintain 80 percent opacity within one year of
10 planting.

11
12 (3) The landscaping buffer shall be properly maintained through an
13 irrigation system.

14
15 (d) Illumination. No signals, lights or illumination shall be
16 permitted on any wireless communication tower, unless otherwise
17 required by the Federal Aviation Administration or such lighting or
18 illumination is part of the design of a camouflage scheme.

19
20 (e) Color. Noncamouflaged towers shall either have a dull gray or
21 galvanized finish or have a noncontrasting finish that minimizes
22 the visibility of the tower from public view, except where
23 contrasting color is required by federal or state regulation.

24
25 (f) Required signs. The security fence or wall surrounding the
26 tower site shall contain a sign, measuring no more than 30 inches
27 wide by 24 inches high, identifying the primary party responsible
28 for the operation and maintenance of the facility, the address and
29 telephone number of that party, the FCC registration and site
30 identification numbers of the tower and the street address of the
31 tower site, where applicable.

(g) Flags. One flag shall be allowed on each flag pole designed camouflaged tower that is located within 1,000 feet of the centerline of a designated interstate highway. This provision shall also be applicable to all previously approved flag pole designed camouflaged towers, notwithstanding any conditions to the contrary. Prior to installing a flag on an existing pole designed camouflaged tower as permitted herein, an applicant shall submit a building permit application meeting the structural requirements of the Building Inspection Division, and a copy to the Wireless Communications Coordinator, for review and approval.

(Ord. 2007-561-E, § 2; Ord. 2010-613-E, § 1; Ord. 2012-168-E, § 1)

Sec. 656.1513. - Temporary towers.

Temporary antenna support facilities ("Cells on Wheels" or "COWS") shall be permitted at a maximum height of 130 feet and for a period not to exceed 90 days. Applications to permit a COW shall be filed with the Coordinator and shall be granted upon payment of the required application fee as found in www.coj.net/fees . The fees contained within this Section are subject to the Annual Review of Fees provision found in Section 106.112, Ordinance Code.

(Ord. 2007-561-E, § 2; Ord. 2010-216-E, § 10; Ord. 2017-665-E , § 29)

Sec. 656.1514. - Historic Landmarks, Historic Districts and Neighborhood Conservation Districts.

A wireless communication tower may only be located in an Historic District if it is a camouflaged tower or the tower is 50 feet or less and meets the definition and the design guidelines for "small

1 wireless facilities", as defined in Part 4, Ch. 711, Ordinance
2 Code. Applications to site a camouflaged tower or place a wireless
3 communication antenna in an Historic District will not be processed
4 until such time as the applicant has obtained a Certificate of
5 Appropriateness, pursuant to Chapter 307, Ordinance Code.
6 Any alteration made to an historical structure to accommodate the
7 siting of a wireless communication antenna shall be fully
8 reversible.

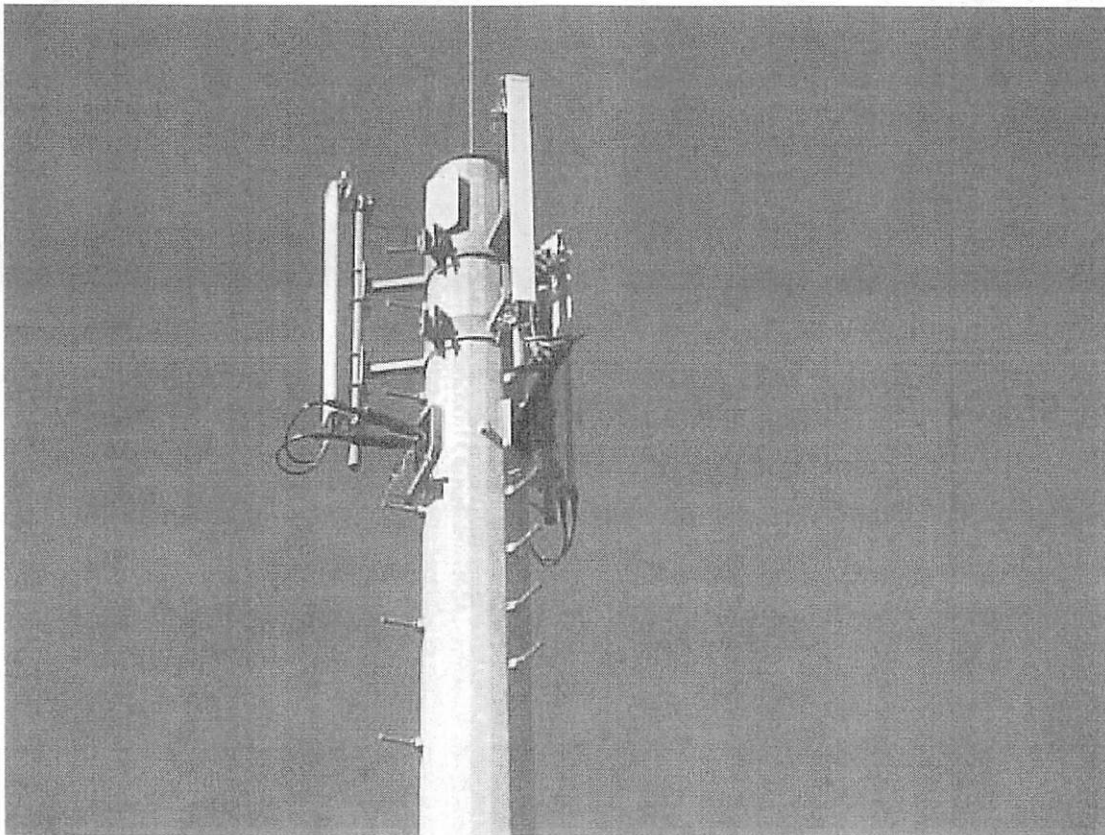
9 (Ord. 2007-561-E, § 2)

10 ***



Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

March 2011

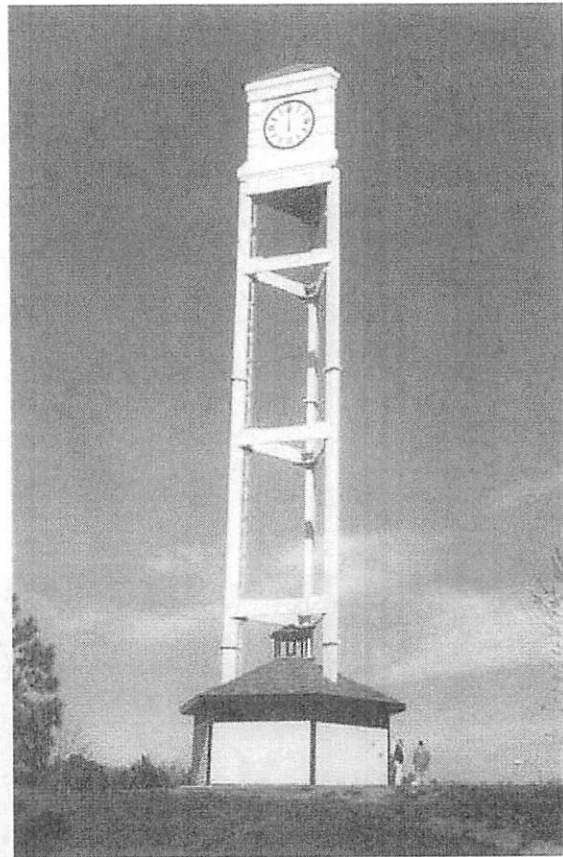
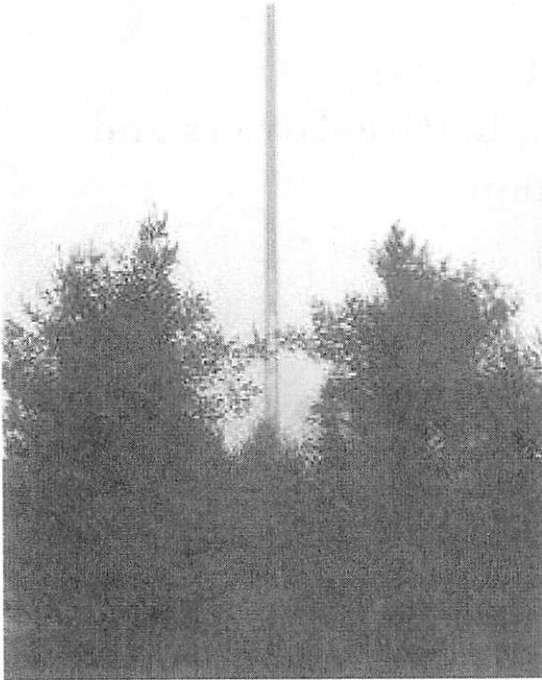


PLANNING AND DEVELOPMENT DEPARTMENT

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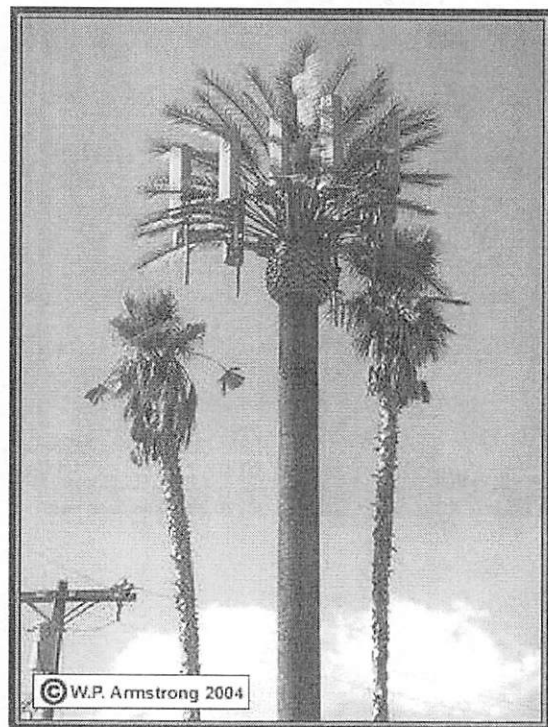
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Camouflaged Tower examples (Track I)



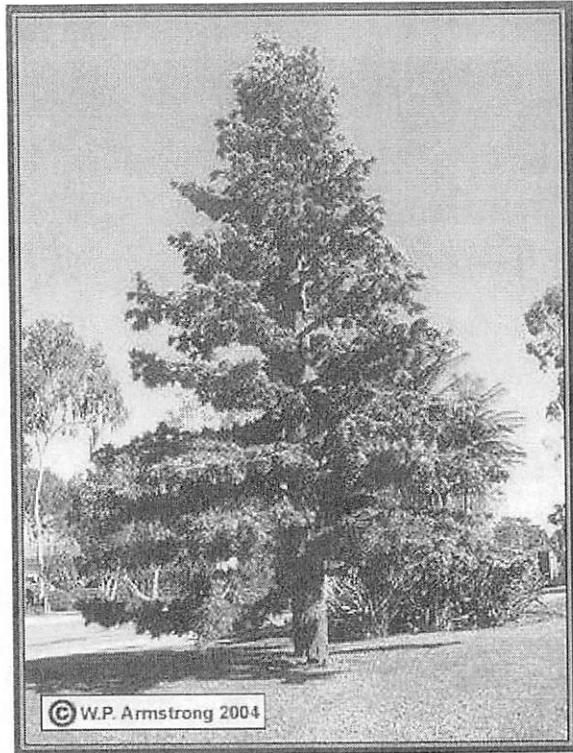
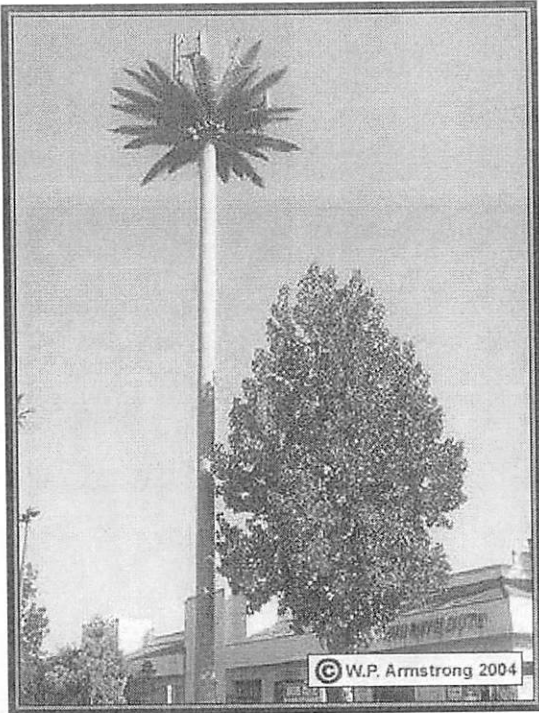
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Camouflaged Tower examples (Track I)



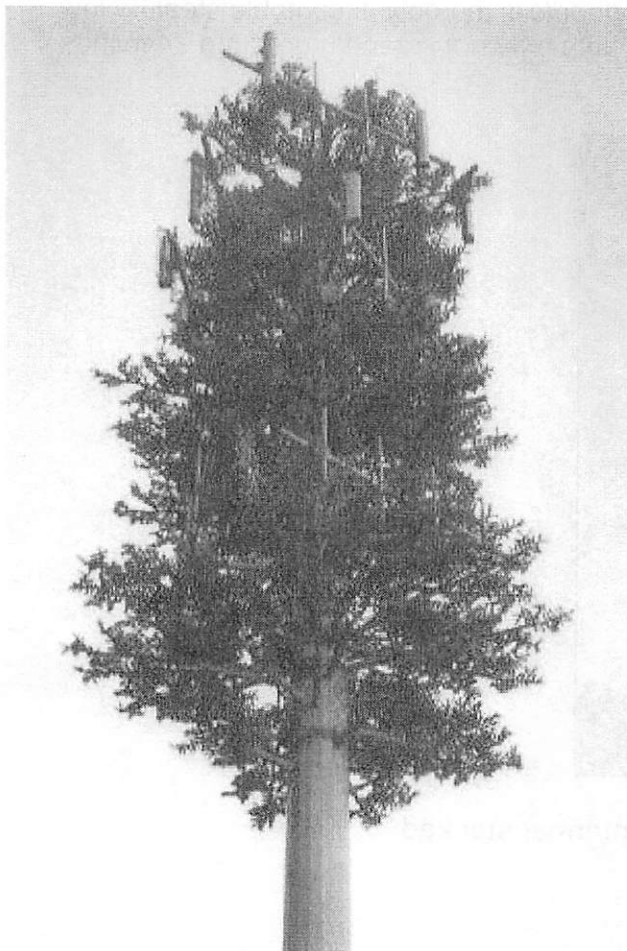
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Camouflaged Tower examples (Track I)



Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

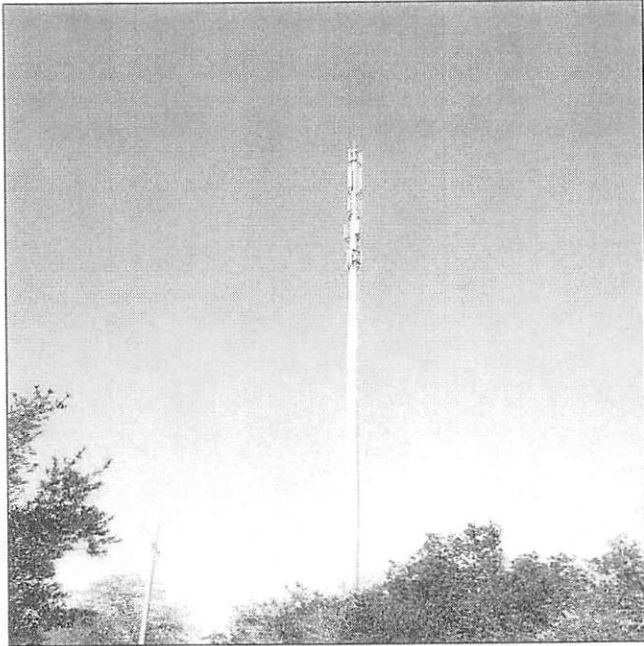
Camouflaged Tower examples (Track I)



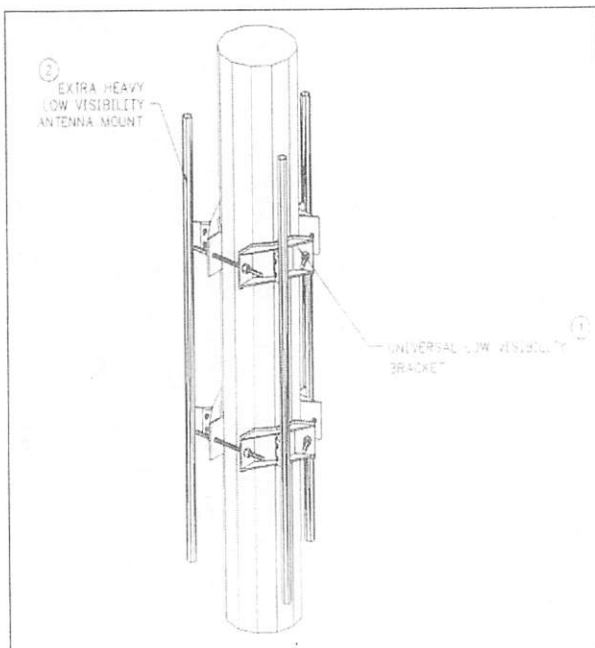
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Low Impact / Stealth Tower examples (Track II)

As per Ordinance 2001-600-E, a *tapered monopole* is the only acceptable stealth / low profile tower design. Low impact antenna mounts may not extend more than 24 inches from the face of the tower.



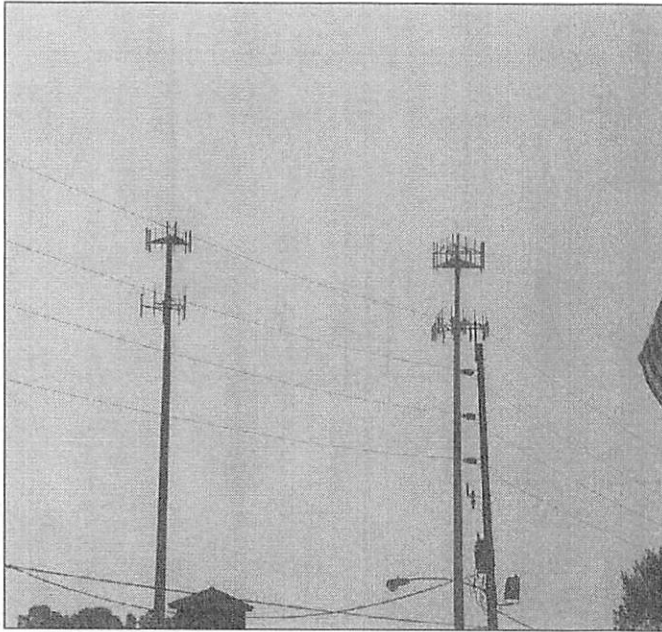
Tapered monopole with flush mounted antenna, stacked



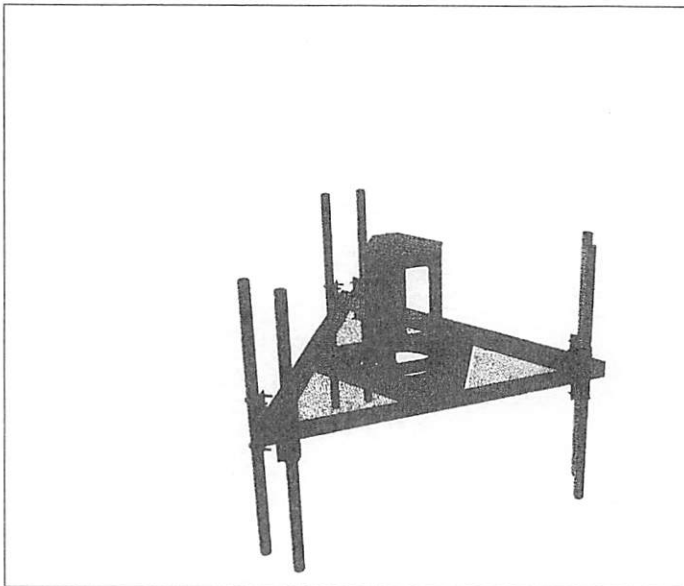
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Low Impact / Stealth Tower examples (Track II)

As per Ordinance 2001-600-E, a *tapered monopole* is the only acceptable stealth / low profile tower design. Low impact antenna mounts may not extend more than 24 inches from the face of the tower.



Tapered monopole.

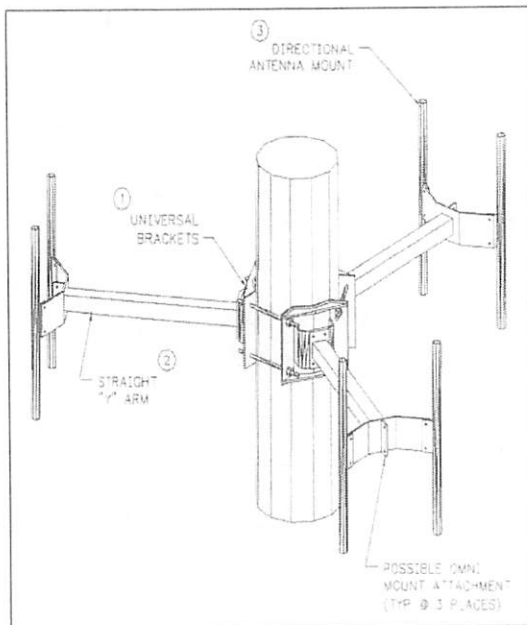


Top mount only platform, 6 antennas

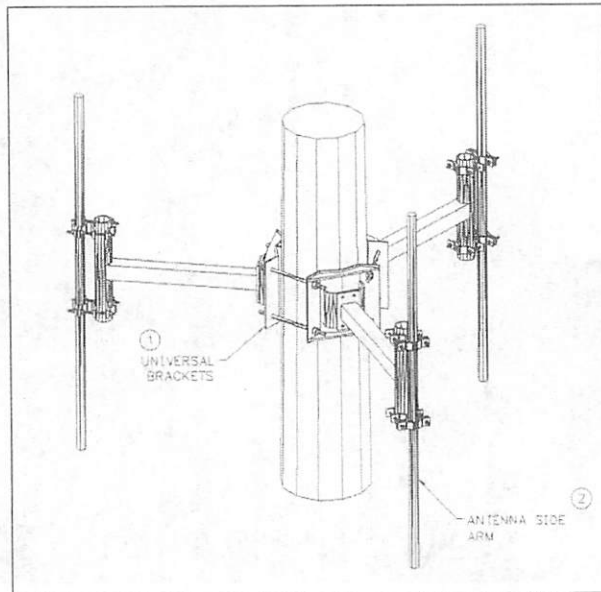
Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Low Impact / Stealth Tower examples (Track II)

As per Ordinance 2001-600-E, a *tapered monopole* is the only acceptable stealth / low profile tower design. Low impact antenna mounts may not extend more than 24 inches from the face of the tower.



Y-arm side bracket

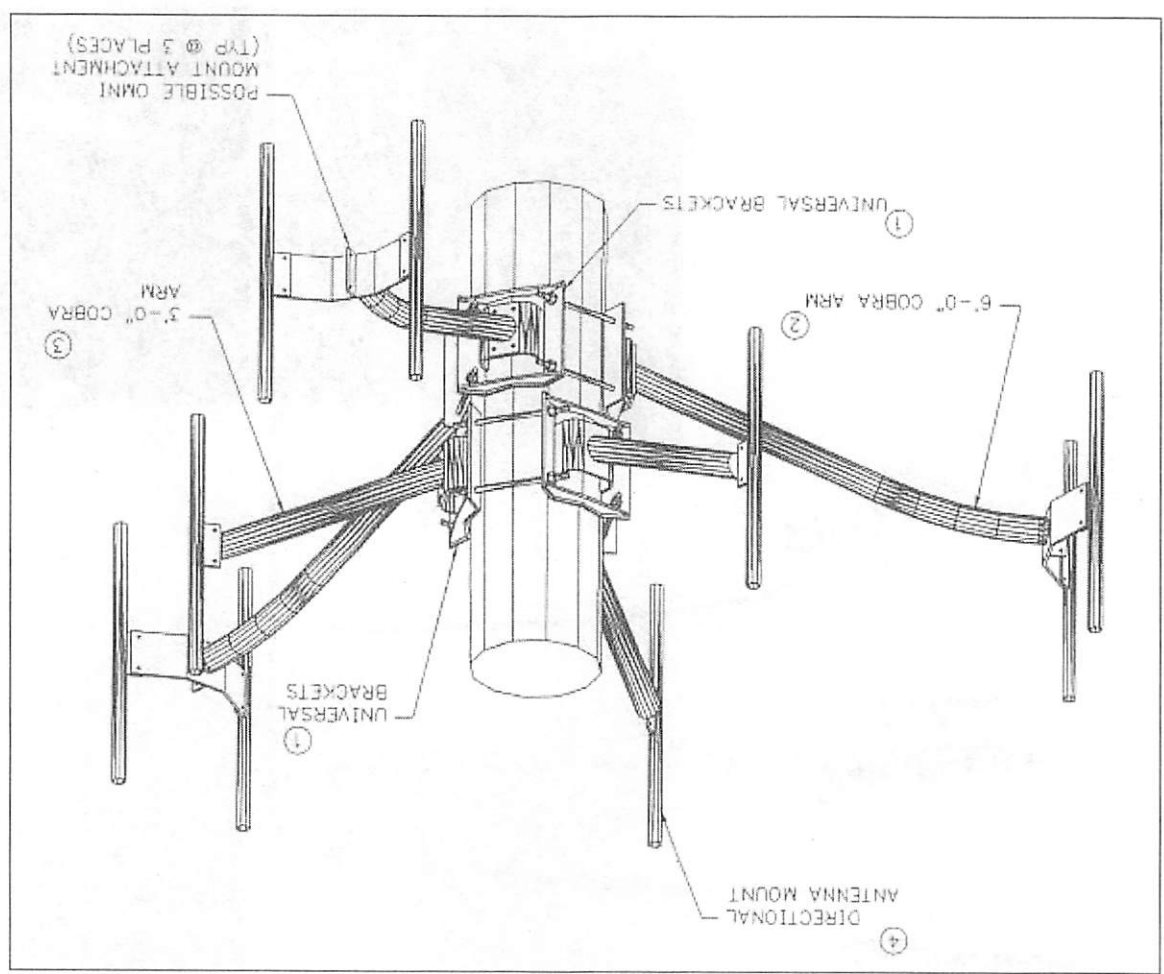


Universal side-arm antenna mounts

Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

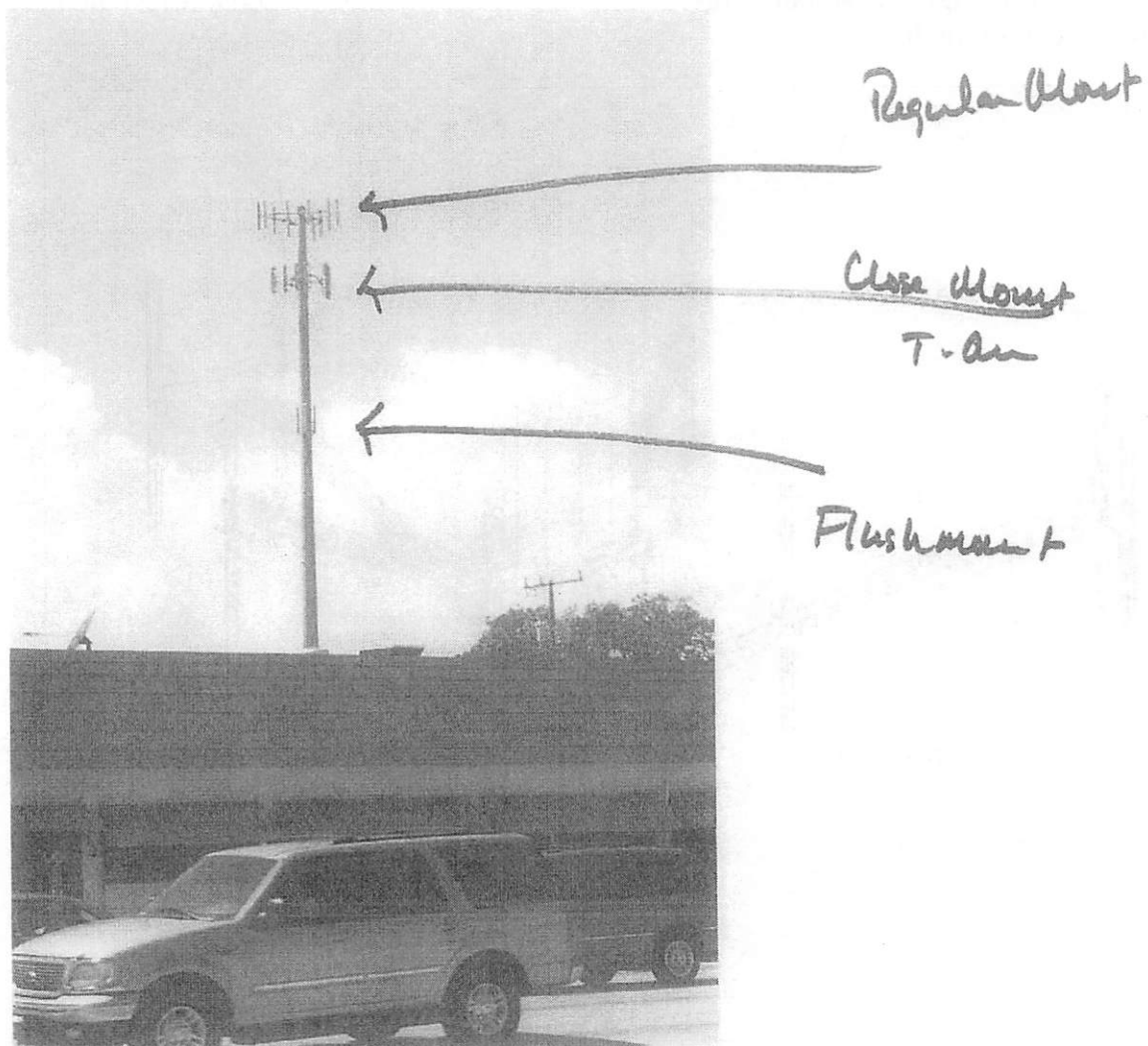
Low Impact / Stealth Tower examples (Track II)

As per Ordinance 2001-600-E, a tapered monopole is the only acceptable stealth / low profile tower design. Low impact antenna mounts may not extend more than 24 inches from the face of the tower.



Cobra mounts, six-foot arm / Cobra mounts, three-foot arm

Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

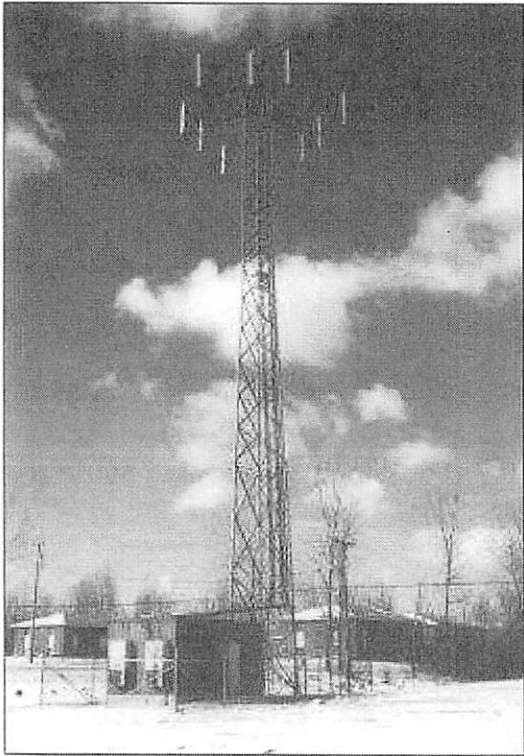


Examples of Camouflaged Towers, Low impact/Stealth Towers, Lattice Towers and Antenna Mounts

Conventional Tower examples (Track III)

Monopole only.

The tower types pictured below are not permitted.



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