



SMALL WIRELESS FACILITY DESIGN GUIDELINES

PREPARED BY THE SHREVEPORT-CADDO METROPOLITAN PLANNING COMMISSION

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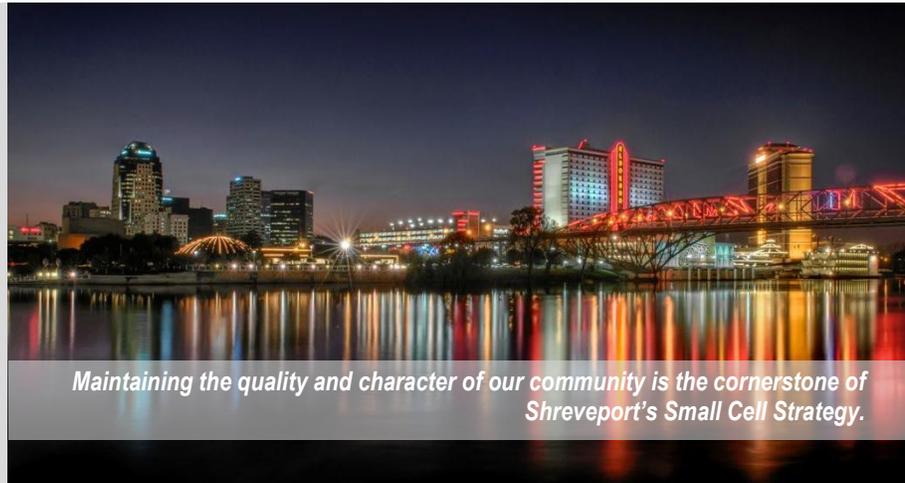
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CHAPTER

1

**INTRODUCTION
TO SHREVEPORT**



Maintaining the quality and character of our community is the cornerstone of Shreveport's Small Cell Strategy.

1. INTRODUCTION

Shreveport is a dynamic, creative and flourishing powerhouse of the Ark-La-Tex region. Our region combines the economic opportunity, diversity and cultural excitement of a growing city with the friendliness of a small town. Looking simultaneously through the present and the future is how we create new worlds and make them real. We must see ourselves holding hands in the present to hand future generations a sustainable and beautiful Shreveport.

1.1. BACKGROUND

Numerous Wireless Service Providers and Wireless Infrastructure Providers have contacted the City of Shreveport with requests to locate Small Wireless Facilities in the public Right-of-way (ROW) and elsewhere in the city. These Guidelines will improve the providers' ability to meet the community's current and future needs. These Guidelines provide design and siting requirements that all Small Wireless Facilities installed in the City of Shreveport must meet. As Small Wireless Facilities begin to deploy, the City is primarily concerned with providing its residents with improved access while maintaining the quality and character of the community. Accordingly, Wireless Service Providers and Wireless Infrastructure Providers shall consider the aesthetics of the existing vertical infrastructure (such as streetlights, traffic signals, Utility Poles, etc.) and adjacent neighborhoods in designing and siting new Small Wireless Facilities.

1.2. PURPOSE AND USE

The purpose of these Small Wireless Facility Design Guidelines ("Guidelines") is to provide a framework for the siting and design of Small Wireless Facilities within the City's territorial boundaries, consistent with, and to the extent permitted, under federal and Louisiana state law, while balancing the need for reliable telecommunication services with the preservation of the quality and character of the City of Shreveport.

A. The standards contained in these Guidelines are intended to protect and promote public health, safety and welfare, and balance the benefits from robust, advanced wireless services. The Guidelines also promote the City's interests in the aesthetic character of the City, its neighborhoods, and community. These Guidelines are also intended to reflect and promote the community interest by:

- 1.** Ensuring that the balance between public and private interests are maintained;

2. Protecting the City's visual character from potential adverse impacts created or exacerbated by Small Wireless Facilities and Related Equipment;
 3. Protecting and preserving the City's limited Right-of-way, and other resources; and
 4. Promoting access to high- quality, advanced Wireless Services for the City's residents, businesses, and visitors.
- B.** These Guidelines are not intended to, nor shall they be interpreted or applied to:
1. Prohibit or effectively prohibit any Wireless Service Provider's ability to provide Personal Wireless Services;
 2. Unreasonably discriminate among providers of functionally equivalent services;
 3. Deny any request for Authorization to place, construct or modify Personal Wireless Service Facilities on the basis of environmental effects of Radio Frequency emissions to the extent that such Personal Wireless Service Facilities comply with the FCC's regulations concerning such emissions;
 4. Prohibit any Small Wireless Facility that the City may not deny under federal or Louisiana state law;
 5. Impose any unfair, unreasonable, discriminatory or anticompetitive fees that exceed the reasonable cost to provide the services for which the fee is charged; or
 6. Otherwise authorize the City to preempt any applicable federal or Louisiana law.

1.3. SMALL CELL AESTHETIC STRATEGY

The City has developed Small Wireless Facility Guidelines intended to assure our community develops and sustains an information ecosystem serving the changing interests of all stakeholders. In undertaking this strategy, the City has engaged the community and industry to assure the planning and processes result in a policy that supports all interests. These Guidelines, informed by federal and state statutes, provide a framework of cooperation enabling Wireless Service Providers to develop Small Wireless Facilities in order to assure the community is always at the forefront of technology development.



CHAPTER

2

DEFINITIONS

2. GENERAL ABBREVIATIONS AND DEFINITIONS

The following words, terms, phrases and abbreviations associated with Small Wireless Facilities may be used in these Guidelines, the Shreveport City Code, the Shreveport Unified Development Code, City policies, procedures, and applications and shall have the meaning given below unless the context indicates otherwise. If there is a conflict between the definitions in these Guidelines and the context used elsewhere in the document, the definitions in this section shall prevail.

2.1. ABBREVIATIONS

The following abbreviations may be used within this chapter, the Shreveport Unified Development Code, and City policies, procedures and applications:

- “FCC” is an abbreviation for the “Federal Communications Commission.”
- “MPC” is an abbreviation for the Shreveport “Metropolitan Planning Commission” of Caddo Parish.
- “ROW” is an abbreviation for city public “right-of-way” and/or “rights-of-way.”
- “RF” is an abbreviation for “radio frequency.”
- “SWF” is an abbreviation for “small wireless facility.”
- “SWFs” is an abbreviation for “small wireless facilities.”
- “SWFP” is an abbreviation for “Small Wireless Facility Permit

2.2. DEFINED TERMS

Antenna. An apparatus designed for the purpose of emitting radiofrequency (RF) radiation, to be operated or operating from a fixed location pursuant to Federal Communications Commission (FCC) authorization, for the provision of Personal Wireless Services and any commingled information services. For purposes of this definition, the term Antenna does not include an unintentional radiator, mobile station, or device authorized under Part 15 of Title 47. Antenna has the same meaning as provided in 47 C.F.R. § 1.6002(b), as may be amended.

Antenna Equipment. Equipment, switches, wiring, cabling, power sources, shelters or cabinets associated with an Antenna, located at the same fixed location as the Antenna, and when collocated on a structure, is mounted or installed at the same time as such Antenna. Antenna Equipment has the same meaning as provided in 47 C.F.R. § 1.6002(c), as may be amended.

Antenna Facility. An Antenna and associated Antenna Equipment. Antenna Facility has the same meaning as provided in 47 C.F.R. § 1.6002(d), as may be amended.

Applicable Codes. Generally, applicable building, structural, electrical, and safety codes and other laws codifying objective standards reasonably related to health and safety.

Applicant. A person or entity that submits a Siting Application and the agents, employees, and contractors of such person or entity. Upon approval of any Siting Application the Applicant will become the “Permittee”. Applicant has the same meaning as provided in 47 C.F.R. § 1.6002(e), as may be amended.

Application or Siting Application. A written submission to a Siting Authority (e.g. City of Shreveport) requesting Authorization for the deployment of a Personal Wireless Service Facility at a specified location. Application or Siting Application has the same meaning as provided in 47 C.F.R. § 1.6002(j), as may be amended.

Authorization. Any approval that a Siting Authority must issue under applicable law prior to the deployment of Personal Wireless Service Facilities, including, but not limited to, zoning approval and building permit. Authorization has the same meaning as provided in 47 C.F.R. § 1.6002(f), as may be amended.

City. The City of Shreveport, Louisiana.

Concealment Pole. A pole manufactured specifically for the purpose of supporting and containing a Small Wireless Facility where all elements of the Small Wireless Facility are concealed from view.

Equipment Cabinet. A cabinet used to house equipment associated with a Small Wireless Facility.

Existing Utility Pole. A pole owned by a public utility, that has been in use by the utility for its own purpose(s) prior to any use as a Support Structure for a Small Wireless Facility.

Federal Communications Commission (“FCC”). An independent United States government agency responsible for the regulation of interstate and international communications by radio, television, wire, satellite, and cable.

New Utility Pole. A Utility Pole placed by a public utility or other pole-owning entity for the purpose of supporting a new Small Wireless Facility.

Personal Wireless Service Facility. An Antenna Facility or a structure that is used for the provision of Personal Wireless Service, whether such service is provided on a stand-alone basis or commingled with other wireless communications services. Personal Wireless Service Facility has the same meaning as provided in 47C.F.R. § 1.6002(i), as may be amended.

Personal Wireless Services. Has the same meaning as provided in 47 U.S.C. § 332(c)(7)(C)(i), as may be amended, which defines the term as “commercial mobile services, unlicensed wireless services, and common carrier wireless exchange access services.”

Public Right-of-way. The area on, below, or above a roadway, highway, street, sidewalk, alley, utility easement, or similar property, but not including a federal interstate highway.

Public Safety Facilities. Facilities used for public safety functions such as police, fire and emergency operations.

Radio Frequency (“RF”). A rate of oscillation, which corresponds to the frequency of radio waves, and the alternating currents which carry radio frequency, electromagnetic, or other wireless signals.

Related Equipment. All equipment ancillary to the Antenna Facility used for transmission and reception of Radio Frequency, electromagnetic, or other wireless signals. Such equipment may include, but is not limited to, cable, conduit and connectors.

Roof-mounted or Building-mounted Antenna. An Antenna directly attached or affixed to the roof of, on the facade, or elsewhere on an existing building, tank or similar structure other than a wireless telecommunications facility or utility pole.

Siting Authority. A state government, local government (e.g. City of Shreveport), or instrumentality of a state government or local government, including any official or organizational unit thereof, whose Authorization is necessary prior to the deployment of Personal Wireless Service Facilities. Siting authority has the same meaning as provided in 47 C.F.R. § 1.6002(k), as may be amended.

Small wireless facility (“SWF”) and small wireless facilities (“SWFs”). Have the same meaning as provided in 47 C.F.R. § 1.6002(l), as may be amended. Small wireless facility (“SWF”) and small wireless facilities (“SWFs”) are facilities that meet each of the following conditions:

1. The facilities: a. Are mounted on structures 50 feet or less in height including their Antennas; b. Are mounted on structures no more than ten percent taller than other adjacent structures; or c. Do not extend existing structures on which they are located to a height of more than 50 feet tall or by more than ten percent in height, whichever is greater;
2. Each Antenna associated with the deployment, excluding associated Antenna equipment, is no more than three cubic feet (3 ft³) in volume;
3. All other wireless equipment associated with the structure, including the wireless equipment associated with the Antenna and any pre-existing associated equipment on the structure, is no more than 28 cubicfeet (28 ft³) in volume;
4. The facilities do not require Antenna structure registration under C.F.R. Title 47, Chapter 1 Federal Communications Commission, Part 17;
5. The facilities are not located on Tribal lands, as defined under 36 CFR 800.16(x); and
6. The facilities do not result in human exposure to radiofrequency radiation in excess of the applicable safety standards.

Small Wireless Facility Permit. Means the official document or permit by which an Applicant is approved to construct and use a Small Wireless Facility (SWF), and if applicable, associated Support Structure, in accordance with this chapter and any other applicable requirements contained in the City Code.

Support Structure. A Utility Pole, Concealment Pole or other type of vertical infrastructure used to support a Small Wireless Facility.

Utility pole. A wooden, metal or composite pole or similar structure, owned by a public utility or similar pole-owning entity, that is used in whole or in part for the purpose of carrying electric distribution lines or cables or wires for telecommunications, cable or electric service, or for lighting. Such term shall not include structures supporting only Small Wireless Facilities.

Wireless Infrastructure Provider. Any person, including a person authorized to provide telecommunications service in the state, that builds or installs wireless communication transmission equipment, Wireless facilities or wireless Support Structures, but that is not a Wireless Services Provider.

Wireless Provider. A Wireless Infrastructure Provider or a Wireless Services Provider.

Wireless Services. Any services, whether at a fixed location or mobile, provided to the public using wireless facilities.

Wireless Services Provider. A person who provides Wireless Services.

2.3. UNDEFINED TERMS

Undefined phrases, terms or words in these Guidelines will have the meanings assigned to them in Chapter 105 of the Shreveport City Code, as may be amended or superseded, and, if not defined therein, will have their ordinary meanings. If any definition assigned to any phrase, term or word in these Guidelines conflicts with any federal or state-mandated definition, the federal or state-mandated definition will control.

CHAPTER

3

Locations and Design Standards



This section provides design guidance for small cell facilities.

3. LOCATION AND DESIGN STANDARDS

3.1. APPLICABILITY

- A.** Except as expressly provided otherwise in these Guidelines, the provisions in these Guidelines shall be applicable to all existing Small Wireless Facilities and all Applications and requests for Authorization to construct, install, attach, operate, collocate, modify, reconstruct, relocate or otherwise deploy Small Wireless Facilities within the City’s jurisdictional and territorial boundaries within the public Rights-of-way or on private property.
- B.** A SWFP subject to approval by the Siting Authority’s prior review and approval, is required for any Small Wireless Facility.
- C.** In addition to a SWFP, the Applicant must obtain all other permits and regulatory approvals as may be required by any other federal, state or local government agencies, which includes without limitation any ministerial permits and/or approvals issued by other City departments or divisions. All applications for ministerial permits submitted in connection with a proposed Small Wireless Facility must contain a valid SWFP issued by the City for the proposed Small Wireless Facility. Any application for any ministerial permit(s) submitted without such SWFP may be denied without prejudice. Furthermore, any permit or approval granted under these Guidelines shall remain subject to all lawful conditions and/or legal requirements associated with such other permits or approvals.

3.2. PREFERRED LOCATIONS

- A. Preferred Locations in the Public ROW** While not a requirement, it is preferred to have small Wireless Facilities installed in industrial and commercial areas, whenever possible. For example, there are locations within in the City where a residential area is immediately adjacent to a commercial or industrial area. A Small Wireless Facility may be permitted in a location other than a preferred location if the applicant provides evidence showing that there are no more preferred locations exist within 250 feet from the proposed site; or any more preferred locations within 250 feet from the proposed site would be technically infeasible as supported by clear and convincing evidence in the written record.
- B. Preferred Locations Outside the Public ROW.** The City prefers Small Wireless Facilities to be installed on Support Structures outside the public Rights-of-way, ordered from most preferred to least preferred, as follows:

1. Existing buildings or other structures previously approved for use as a Support Structure for Personal Wireless Service Facilities.
2. Other existing buildings or other structures not previously approved for use as a Support Structure for Personal Wireless Service Facilities;
3. Concealment Poles replacing existing streetlights or other vertical structures;
4. New Concealment Poles.

3.3. SUPPORT STRUCTURE PREFERENCES

The preferred -Support Structure types for small wireless Facilities, in order of most preferable to least preferable are:

- A.** Existing commercial buildings;
- B.** New Concealment Poles replacing an existing streetlight or other structure;
- C.** New Concealment Pole not replacing an existing streetlight or other structure;
- D.** Existing or Replacement Utility Poles.

3.4. SITING STANDARDS

A. Vision.

1. Small Wireless Facilities and Support Structures must be located so as not to create a vision hazard at intersections or driveways.
2. Small Wireless Facilities and Support Structures must be located so as not to block any street sign or traffic light.

B. Traffic. All Small Wireless Facilities and Support Structures must be installed such that they do not obstruct, impede, or hinder vehicular, pedestrian or bicycle travel, including any facilities necessary to meet Americans with Disabilities Act of 1990 (“ADA”) along with any updates to the ADA guidelines. A clear pedestrian path shall be maintained at all locations.

C. City Maintenance Activities. To the extent possible, Small Wireless Facilities and Support Structures should be located and designed to avoid interference with right-of-way maintenance activities, such as:

1. Grass mowing, brush collection, tree trimming, and landscape maintenance.
2. Trash collection.
3. Maintenance of streets, pavement, sidewalks, bicycle lanes.
4. Maintenance of other facilities in the rights-of-way, including without limitation, signs, hydrants, drains, culverts, ditches, bike racks, control cabinets, and poles.

D. Alignment. All new Concealment Poles are to be located in alignment with existing trees, Utility Poles, and streetlights, and are to be spaced evenly between any of these objects.

E. Frontage. All new Concealment Poles are to be located at or near property lines whenever possible, and are not be located directly in front of a building entrance area or window of an existing structure.

F. Encroachments over Private Property. Small Wireless Facilities may not encroach onto or over any private or other property outside the public Rights-of-way without the property owner’s express written consent.

G. Obstructions; Public Safety. Small Wireless Facilities and any associated equipment or improvements shall not physically interfere with or impede access to any:

1. Worker access to any above-ground or underground infrastructure for traffic control, streetlight or public transportation, including without limitation any curb control sign, parking meter, vehicular traffic sign or signal, pedestrian traffic sign or signal, barricade reflectors;
2. Access to any public transportation vehicles, shelters, street furniture or other improvements at any public transportation stop;
3. Worker access to above-ground or underground infrastructure owned or operated by any public or private utility agency;
4. Fire hydrant or water valve;
5. Access to any doors, gates, sidewalk doors, passage doors, stoops or other ingress and egress points to any building appurtenant to the rights- of-way; or
6. Access to any fire escape.

H. Spacing. All new Concealment Poles must meet the following separations from existing objects in or near the right-of-way:

Object	Required Minimum Spacing
Curb	2-feet
Sidewalk	2-feet
Bike Path	2-feet
Pavement Edge (no sidewalk)	4-feet
Driveway (residential and commercial)	10-feet
Street Light	10-feet
Traffic Signal	10-feet
Utility Pole	10-feet
Street Tree	15-feet
Building Face	10-feet
Fire Hydrant	6-feet
Bike Rack	6-feet
Bus Stop	8-feet

1. Minimum spacing is to nearest face of pole.
2. If an existing pole that violates any of these standards is being replaced, it may remain in the same location, but it may not be placed any closer to any object than existing condition.
3. In certain circumstances, public works may request further spacing than what is noted Examples - driveways with heavy truck use, more sensitive street trees, streets with right-of-way reservations or planned sidewalk installation, etc.
4. Exceptions may be allowed in extreme circumstances at the discretion of the Director of Public Works.

3.5. DESIGN STANDARDS New Support Structures shall be designed match the aesthetics of existing streetlights/poles installed in the immediate vicinity to the proposed Support Structure. The Applicant shall perform a visual inspection (online street images are considered enough unless the pole standards were updated after the images were published) prior to submitting a SWFP application to determine existing aesthetics.

A. General Standards Applicable to All Small Wireless Facilities.

1. **Noise.** Small Wireless Facilities and all Antenna Equipment and Related Equipment must comply with all applicable noise control standards and regulations in the Shreveport City Code, Chapter 58 (Nuisances), as may be amended or superseded, and shall not exceed, either on an individual or cumulative basis, the noise limit as allowed.
2. **Lights.** Small Wireless Facilities shall not include any lights that would be visible from publicly accessible areas, except as may be required under Federal Aviation Administration, FCC, other applicable regulations for health and safety. All equipment with lights (such as indicator or status lights) must be installed in locations and within enclosures that mitigate illumination impacts visible from publicly accessible areas. The provisions in this subsection (a)(2) shall not be interpreted or applied to prohibit installations on streetlights or luminaires installed on new or replacement poles as may be required under these Guidelines.
3. **Landscape Features.** Small Wireless Facilities shall not displace any existing landscape features unless: (A) such displaced landscaping is replaced with native and/ or drought-resistant plants, trees or other landscape features approved by the City and (B) the applicant submits and adheres to a landscape maintenance plan. The landscape plan must include existing vegetation, and vegetation proposed to be removed or trimmed, and the landscape plan must identify proposed landscaping by species type, size and location. Landscape maintenance must be performed in accordance with Article 10 of the Shreveport Unified Development Code, as it may be amended or superseded.
4. **Site Security Measures.** Small Wireless Facilities may incorporate reasonable and appropriate site security measures, such as locks and anti-climbing devices, to prevent unauthorized access, theft or vandalism. The City shall not approve any barbed wire, razor ribbon, electrified fences or any similarly dangerous security measures. All exterior surfaces on small wireless facilities shall be constructed from or coated with graffiti-resistant materials.
5. **Signage; Advertisements.** All Small Wireless Facilities must include signage that accurately identifies the site owner/operator, the owner/operator’s site name or identification number and a toll-free number to

the owner/operator's network operations center. Small Wireless Facilities may not bear any other signage or advertisements unless expressly approved by the City, required by law or recommended under FCC, OSHA or other United States governmental agencies for compliance with RF emissions regulations.

- 6. Compliance with Health and Safety Regulations.** All Small Wireless Facilities shall be designed, constructed, operated and maintained in compliance with all generally applicable health and safety regulations, which includes without limitation all applicable regulations for human exposure to RF emissions.
 - 7. Backup Power Sources.** Fossil-fuel based backup power sources shall not be permitted within the public rights-of-way; provided, however, that connectors or receptacles may be installed for temporary backup power generators used in an emergency declared by federal, state, or local officials.
 - 8. Electric Meters.** Electric meters shall be attached to the Support Structure. The City shall not approve a separate ground-mounted electric meter pedestal.
 - 9. Street Trees.** To preserve existing landscaping in the public Rights-of-way, all work performed in connection with Small Wireless Facilities shall not cause any street trees to be trimmed, damaged, or displaced. If any street trees are damaged or displaced, the applicant shall be responsible, at its sole cost and expense, to plant and maintain replacement trees at the site for the duration of the permit term. No trees may be removed to accommodate the placement of new Small Wireless Facilities.
 - 10. Spools and Coils.** To reduce clutter and deter vandalism, excess fiber optic or coaxial cables shall not be spooled, coiled or otherwise stored on the pole outside equipment cabinets or shrouds.
- B. New or Replacement Concealment Poles**
- 1. Overall Height**
 - a. New or replacement Concealment Poles may not exceed 35-feet in height, including all Antennas;
 - b. New or replacement Concealment Poles may not be more than ten percent taller than other adjacent structures; and
 - c. Replacement Concealment Poles may not increase the height of the structure they are replacing by more than ten percent.
 - 2. Material.** All new replacement Concealment Poles must be made from a metal or composite material capable of concealing all the accessory equipment, including cables, mounting brackets, radios, and utilities, either within the support structure or within an integrated enclosure located at the base of the support structure. The support structure and all transmission equipment must be painted or coated in a color that matches adjacent structures.
 - 3. Pole Shape.** The standard pole shape throughout Shreveport shall be round.
 - 4. Lighting**
 - a. Applicants that propose to install Small Wireless Facilities in a new Concealment Pole (not replacing any existing structure) must install a new LED streetlight substantially similar to the City's standards and specifications but designed to accommodate wireless Antennas and accessory equipment located immediately adjacent to the proposed location.
 - b. Applicants that propose to install small wireless facilities on an existing streetlight must remove and replace the existing streetlight with a Concealment Pole substantially similar to the City's standards and specifications but designed to accommodate wireless Antennas and accessory equipment. To mitigate any material changes in the street lighting patterns, the replacement must be located as close to the removed pole as possible and be aligned with the other existing streetlights; and include a LED luminaire at substantially the same height and distance from the pole as the luminaire on the removed pole.
 - 5. Single, Cylindrical Antennas**
 - a. Single, cylindrical Antennas shall be mounted to the top of the Support Structure, aligned with the centerline.
 - b. The outside diameter of the cylindrical Antenna or Antenna enclosure shall not exceed the outside diameter of the top of the Support Structure by more than fifty percent (50%).
 - c. All antennas and associated mounting equipment, hardware, cables or other connectors must be completely concealed within an opaque Antenna shroud or radome. The Antenna shroud or radome must be coated to match the underlying support structure. If technological limitations prevent shrouding, Antenna may be coated to match the color of the support structure and must include cable shrouds that completely conceal the point of attachment.
 - 6. Multi-Sector Antennas**
 - a. Antenna shall be mounted at the top of the Support Structure when technically feasible.

- b. Each Antenna should be installed as close to the outside of the pole as possible. No portion of the Antennas or shrouds shall extend beyond the outside of the pole by more than sixteen (16) inches.
- c. All Antennas and associated mounting equipment, hardware, cables or other connectors must be concealed within a single, cylindrical shroud, or in individual shrouds for each Antenna that are coated to match the Support Structure. If technological limitations prevent shrouding, Antennas may be coated to match the color of the support structure and must include cable shrouds that completely conceal the point of attachment.

7. Related Equipment

- a. All non-Antenna Related Equipment shall be integrated into the Concealment Pole.
- b. All cables, wires and other connectors routed between the Antenna and base-mounted equipment must be concealed inside the Concealment poles from public view.
- c. The City shall not approve any ground-mounted accessory equipment include, but not limited to, any utility or transmission equipment, pedestals, cabinets, panels or electric meters.

8. Pole Dimensions. New or Replacement Concealment Poles shall not have a diameter exceeding twelve (12) inches. Base enclosures shall not have a diameter exceeding eighteen (18) inches.

9. Utility Connections. All cables and connectors for telephone, data backhaul, primary electric and other similar utilities must be routed underground in conduits large enough to accommodate future collocated wireless facilities. Undergrounded cables and wires must transition directly into the pole base without any external doghouse. All cables, wires and connectors between the underground conduits and the Antennas and other accessory equipment shall be routed through and concealed from view within Internal risers or conduits if on a concrete, composite or similar pole; or a cable shroud or conduit mounted as flush to the pole as possible if on a wood pole or other pole without internal cable space. The approval authority shall not approve new overhead utility lines or service drops merely because compliance with the undergrounding requirements would increase the project cost.

C. Existing or Replacement Wood Utility Poles

1. Poles. Small Wireless Facilities shall only be installed on Existing or Replacement wood Utility Poles. No New Utility Poles are permitted.

2. Antennas

- a. Antennas shall be installed above the pole when technically feasible.
- b. When Antennas cannot be installed above the utility pole, all Antennas shall be mounted as close to the pole as possible. In no instance shall Antennas protrude more than sixteen (16) inches from the outside of the Utility Pole.
- c. All Antennas and associated mounting equipment, hardware, cables or other connectors must be concealed within a single, cylindrical shroud, or in individual shrouds for each Antenna that are coated to match the Utility Pole. If technological limitations prevent shrouding, Antennas may be coated to match the color of Utility Pole and must include cable shrouds that completely conceal the point of attachment.

3. Accessory Equipment.

- a. All pole-mounted accessory equipment must be installed as close as possible to the pole to minimize the overall visual profile. No accessory equipment may protrude more than eighteen (18) inches from the Utility Pole.
- b. All pole-mounted equipment and required or permitted signage must be placed and oriented away from adjacent sidewalks and structures and mounted on the side of the Utility Pole opposite the direction of vehicular traffic.

