

16-4-29.5 Small Wireless Facility Design and Placement Standards

1. Purpose and Intent

a) The purpose of this subsection is to:

- i. Facilitate deployment of wireless infrastructure;
- ii. Protect the public health, safety, and welfare; and
- iii. Preserve the aesthetic character of the public realm.

b) These standards are intended to be:

- i. Technologically neutral;
 - ii. Non-discriminatory; and
 - iii. Consistent with applicable federal and state law.
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2. Applicability

a) This subsection applies to all small wireless facilities and associated support structures located within the public right-of-way or on publicly owned property.

b) These standards shall apply to:

- i. New poles;
- ii. Replacement poles; and
- iii. Collocation on existing structures.

c) Where these standards conflict with state or federal law, such law shall control.

3. Administrative Review and Approval

a) Small wireless facilities shall be subject to administrative review.

b) Applications shall be approved if they meet all applicable standards of this Ordinance.

c) The City shall act on applications within the timeframes established by applicable law.

d) Applications shall not be denied for aesthetic reasons unless:

1. The standards are reasonable;

2. The standards are no more burdensome than those applied to other infrastructure deployments; and
 3. The standards are published in advance.
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4. Placement and Location Standards

a) Preferred Location Hierarchy

Small wireless facilities shall be located in the following order of preference:

1. Collocation on existing utility poles;
2. Collocation on existing streetlight poles;
3. Replacement of existing poles;
4. New poles, where no feasible alternative exists.

b) Spacing

New small wireless facility poles shall be separated by a minimum distance of three hundred (300) feet unless the applicant demonstrates that a lesser distance is necessary for service.

c) Prohibited Locations

Small wireless facilities shall not be located:

1. Where they would obstruct required clear zones, sidewalks, or ADA access;
2. Within designated historic districts unless no feasible alternative exists; In addition, standalone small wireless facilities shall not be constructed within 500 feet of a designated historic district.
3. On property on which a National Register or locally-designated historic landmark is located
4. In a manner that interferes with traffic control devices or public safety operations.

Note: For purposes of this section, the term "historic" shall refer to districts or landmarks which have been nominated to the National Register of Historic Places or designated pursuant to chapter 28 of the City Code

d) Underground Districts

In areas where utilities are underground, new poles shall be prohibited unless:

1. No feasible alternative exists; and
 2. The facility is designed to minimize visual impact.
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5. Design Standards

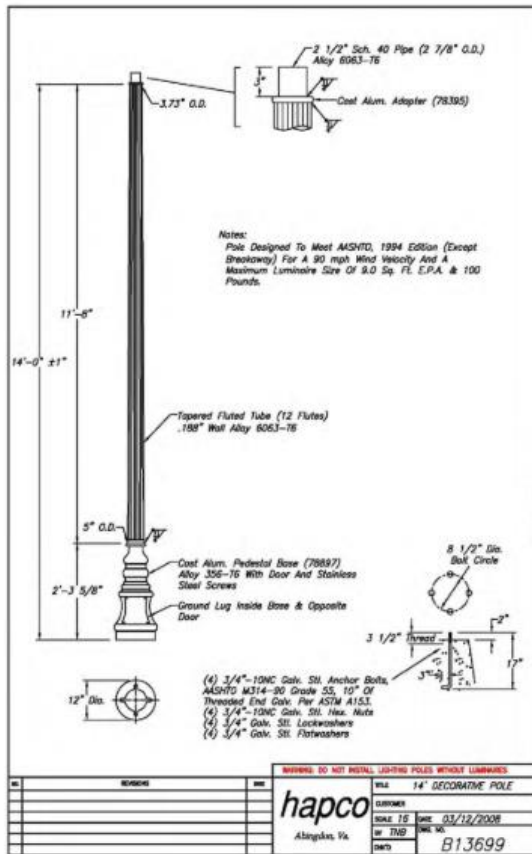
a) All facilities shall be designed to minimize visual impact and be compatible with surrounding streetscape elements.

b) Equipment shall be fully concealed, shrouded, or integrated into the pole.

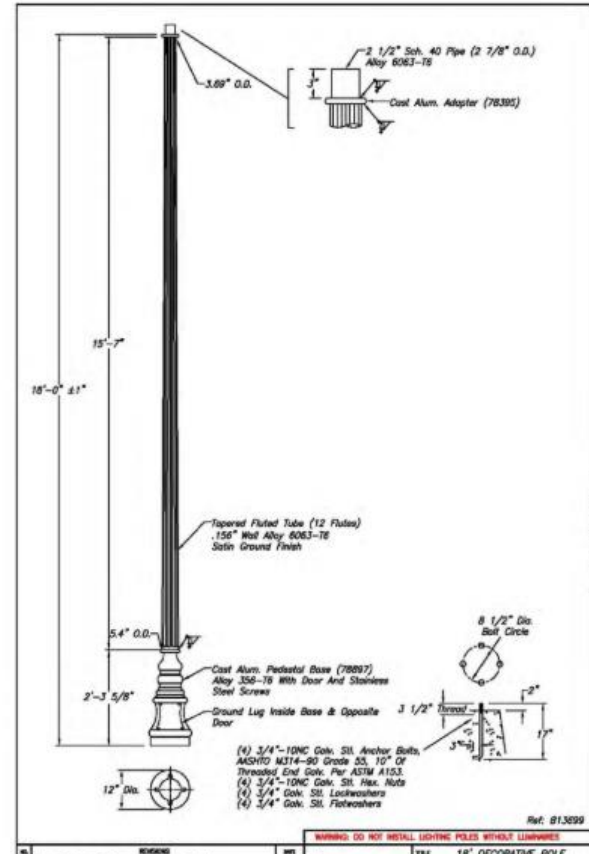
c) All wiring, cabling, and hardware shall be concealed to the maximum extent practicable.

6. Pole Design

a) Downtown Design Overlay. Per Sec. 5-28, when located within the Downtown Design Overlay Zoning District, poles shall be constructed according to City of Hendersonville specifications for Downtown District post shown below and coated in color matching other City facilities.



14' DECORATIVE LIGHT POLE
SCALE: 1" = 1'-0"



18' DECORATIVE LIGHT POLE
SCALE: 1" = 1'-0"

NOTES:
1. SEE LAYOUT PLAN. FOUR (4) DECORATIVE LIGHT POLES AT CORNERS OF SEVENTH AVENUE AND LOCUST STREET ONLY.
2. 14' AND 18' DECORATIVE LIGHT POLES, TRAFFIC SIGNALS, AND PEDESTRIAN SIGNALS ARE BEING FURNISHED BY THE CITY. CONTRACTOR IS RESPONSIBLE FOR TRANSPORT FROM CITY OPERATIONS CENTER TO THE SEVENTH AVENUE PROJECT AREA AND FOR INSTALLATION OF LIGHTS.

b) Other Historic Districts. In designated historic districts (Local and National Register) outside of the Downtown Design Overlay, poles shall be meet same specifications as above.

c) Residential Zoning Districts.

1. Facilities shall be:

- i. Collocated on existing poles or
- ii. Collocated in replacement poles that combine to serve as streetlight or traffic light, where small wireless facilities are concealed and poles are consistent in height and design with adjacent streetscape elements.

2. Pole height shall not exceed Twenty-Five feet (25')

d) Non-Residential Zoning Districts

1. Pole height shall not exceed:

- i. Fifty (50) feet for freestanding poles; or
- ii. Ten (10) feet above the height of an existing structure for collocated facilities, unless otherwise allowed by law.

2. Finish shall be non-reflective and consistent with surrounding infrastructure.

e) Mixed Use Zoning Districts.

1. Facilities shall be:

- i. Collocated on existing poles or
- ii. Collocated in replacement poles that combine to serve as streetlight or traffic light, where small wireless facilities are concealed and poles are consistent in height and design with adjacent streetscape elements.

2. Pole height shall not exceed:

- i. Fifty (50) feet for freestanding poles; or
- ii. Ten (10) feet above the height of an existing structure for collocated facilities, unless otherwise allowed by law.

7. Equipment and Antennas

a) Antennas shall be enclosed within a shroud integrated into the pole.

b) Equipment cabinets shall be internal or flush-mounted to the pole.

c) The following dimensional limits shall apply unless otherwise preempted by law:

1. Antenna enclosure diameter: fourteen (14) inches maximum;
2. Equipment cabinet diameter: twenty (20) inches maximum;
3. Equipment height: five (5) feet eight (8) inches maximum.

d) Color and finish shall match the supporting structure.

8 Foundations and Utilities

a) Foundations shall comply with applicable engineering and building code requirements.

b) All conduit and utility connections shall be underground where feasible.

c) Equipment shall be internally separated by ownership where applicable.

9. Noise and Ventilation

a) Facilities shall utilize passive ventilation where feasible.

b) Noise from mechanical equipment shall not exceed:

1. Thirty (30) dBA measured at one (1) meter; or
 2. Applicable local noise ordinance standards, whichever is more restrictive.
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10 Identification and Safety

a) Facilities shall include required safety signage.

b) Identification plates shall not exceed four (4) inches by six (6) inches and shall include:

1. Provider name;
 2. Facility ID; and
 3. Emergency contact information.
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11 Removal and Abandonment

a) Facilities that are abandoned or not in use for a period of twelve (12) months shall be removed.

b) The City may require removal if the facility:

1. Creates a safety hazard; or
 2. Is no longer maintained in accordance with this Section.
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12 Nonconforming Facilities

a) Legally existing facilities that do not conform to these standards may continue.

b) Modifications shall comply with applicable federal and state law regarding eligible facilities requests.

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