

Small Wireless Facilities

Small Wireless Facility Standards

Height Standards

1. Small wireless facilities may not be mounted on structures greater than 50-feet in height including the antenna.
2. Small wireless facilities may not be mounted on structures more than 10 percent taller than other adjacent structures.
3. Small wireless facilities may not be mounted on existing structures which cause the structure to extend to a height of more than 50-feet or more than 10 percent taller than adjacent structures, whichever is greater.

Antenna and Other Small Wireless Equipment Size Standards

4. Each antenna associated with a small wireless facility can be no greater than 3 cubic feet in volume.
5. All other small wireless equipment associated with the small wireless facility (including any pre-existing equipment on the structure) may not be more than 28 cubic feet in volume.

Installation, Placement, and Design Standards

6. Small wireless facilities must not project over the roadway, pedestrian path or sidewalk and must be placed on a single side of the structure, unless approved by the Director of Public Works.
7. New poles or other structures that support small wireless facilities must maintain a minimum three (3) foot horizontal clearance from existing sidewalks and roadways and a minimum five (5) foot horizontal clearance from the outside edge of driveway aprons and handicapped ramps, unless a lesser clearance is approved by the Director of Public Works.
8. Any exterior attachments to structures (other than cabling), must be a minimum of eight (8) feet above grade, unless approved by the Director of Public Works.
9. Replacement poles must be the same height as the pole being replaced, unless a different height is approved by the Director of Public Works. Any replacement pole, including all required guying, may not intrude on any sidewalk or passageway more than the existing pole, and may not be more than 10 percent larger in circumference than the existing pole, considering the actual dimensions of the pole. Guy wiring must be comparable to that of the pole being replaced.
10. All small wireless equipment installed underground, at ground level, or on a pole must be placed in an enclosure.
11. All small wireless equipment must be consistent with industry standards.
12. Antennas must include shielding or otherwise be placed in an enclosure. If attached to a pole, the shielding or enclosure must be no more than the circumference of the pole at the point of attachment and, if attached to the top of the pole, designed to appear like a continuous vertical extension of the pole. Antennas must not extend more than 36 inches

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in length, extending vertically from the base of the antenna, either at the top of the pole or structure, or on the related equipment housing, except that up to six (6) inches in additional height may be permitted for connectors.

13. All wires/cables must be located inside the structure, unless Applicant proves to the City's satisfaction that this is not practical, in which case the wire/cable must be installed in a conduit attached flush to the structure and painted with non-reflective paint of the same color as the structure on which it is installed or otherwise concealed to the extent possible. Whenever possible, the Applicant must utilize existing ducts, conduits, or other facilities for the installation of connecting fiber.
14. All visible small wireless equipment placed on a structure, including antennas, must be painted with non-reflective paint of the same color as the structure on which it is sited so that the installation closely matches the existing paint. The Applicant must work with the structure manufacturer or owner regarding the specifics for the color match, and work with the equipment manufacturer regarding paint specifications as well as the method for cleaning the equipment and applying the paint. Antennas and shrouds must be painted to have the least visual impact possible; colors must be approved by the City as part of the permit. Paints must be lead and chromate free. Resistance to ultra violet light, road salt compounds, industrial chemical fumes, solvents for removal of graffiti off painted surfaces, flame or high temperatures, and corrosion.
15. No writing, symbol, logo or other graphic representation which is visible from the nearby street or sidewalk is allowed to appear on any exterior surface of the small wireless facility unless allowed by agreement with the City, required by law or regulation, or as a City-approved concealment element. Notwithstanding the previous sentence, Applicant must tag all attachments to structures to allow for ready identification of the small wireless facility owner and type of attachment.
16. No visible lighting is allowed on any small wireless facilities, except as required by law or as allowed by the City.
17. Any new pole installed to support a small wireless facility must be consistent and compatible with surrounding poles and structures.
18. Installation of small wireless facilities must not impact existing City street trees.
19. Installation of small wireless facilities must not impact line of sight for vehicle or pedestrian movements.
20. Installation of small wireless facilities must not create any Americans with Disabilities Act violations.
21. Small wireless facilities must not interfere with the function of the pole or structure to which the equipment is attached or interfere with other public facilities, including but not limited to:
 - a. Signs
 - b. Traffic signals
 - c. Street lighting
 - d. Bike racks
 - e. Benches
 - f. Fire hydrants
 - g. Water meters
 - h. Sewer cleanouts
 - i. Stormwater facilities
 - j. Other utilities

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22. In an area of the city where utilities are underground, all small wireless equipment must also be placed in an underground vault.
23. Small wireless facilities must be placed, as much as possible, in line with other utility features and in a location that minimizes any obstruction, impediment, or hinderance to the usual travel or public safety on a right-of-way.
24. The Applicant must incorporate ambient noise suppression measures, place small wireless equipment in locations less likely to impact adjacent residences or businesses, or both, and must comply with all applicable noise regulations.
25. The City strongly encourages the collocation of small wireless facilities on existing structures. To minimize visual clutter, distractions to vehicular traffic, and the hazard of poles adjacent to roadways, free standing poles must be spaced a minimum of 250 feet apart on each side of a street. An exemption may be granted by the Director of Public Works if the Applicant can demonstrate that this restriction has the effect of prohibiting the provision of wireless services.
26. Small wireless equipment installed at ground level must incorporate concealment elements into the proposed design. Concealment may include, but is not limited to, landscaping and strategic placement in less obtrusive locations.
27. Small wireless equipment installed at ground level must be painted to have the least visual impact possible; colors must be approved by the City as part of the permit. Paints must be lead and chromate free. Resistance to ultra violet light, road salt compounds, industrial chemical fumes, solvents for removal of graffiti off painted surfaces, flame or high temperatures, and corrosion.

Small Wireless Facility Conditions

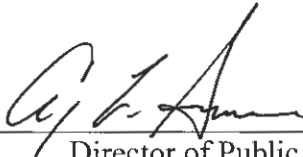
1. Applicant must be a member of “Miss Utility” and comply with state law regarding marking utilities.
2. Small wireless facilities located in public right-of-way must not cause a safety hazard to the public.
3. A small wireless facility must be removed from the public right-of-way within 90 days of the final Right-of-Way Access/Attachment payment to the City for the small wireless facility.
4. If a City project requires small wireless facilities to be removed or relocated, the Applicant must remove or relocate all equipment within 30 days’ notice by the City at the Applicant’s sole cost.
5. Applicant must obtain a permit from the City for any maintenance of small wireless facilities following initial installation.
6. Applicants for small wireless facilities may request a right-of-way agreement for multiple installations with the City.

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Submittal requirements

Applicant is required to submit the following information with the permit application:

1. Documentation certified by a Maryland Professional Engineer that the pole or other structure to which the small wireless equipment is proposed to be attached is structurally adequate to support the small wireless equipment.
2. Applicant must provide certified analysis showing that the proposed Facility satisfies the Federal Communication Commission ("FCC")'s Radio- Frequency (RF) exposure guidelines applicable on an individual basis, and on a cumulative basis (considering all frequencies, and all emitting sources as may be required by FCC regulations).
3. Applicant must provide a completed utility permit application and checklist.
4. Written authorization from the structure owner that demonstrates that the Applicant has the authority to install a small wireless facility on the structure.
5. All other information otherwise required by Chapter 21 of the City Code and for an application for a Utility Permit.

Approved by:  _____ Date: 1/11/19 _____
Director of Public Works

*Addendum to City of Rockville Department of Public Works Standards and Details for Construction