

City of Rockville Right of Way Standards for Small Wireless Facilities

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 above its preexisting height as a result of the collation of new antenna facilities.

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 wireless equipment associated with the structure, including the wireless equipment associated with the antenna and any pre-existing associated equipment on the structure, can be no 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, unless otherwise 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. Small wireless facility antenna must be located a minimum of 15-feet above grade, unless otherwise approved by the Director of Public Works.
9. Any exterior attachments to structures (other than cabling or base stations), must be a minimum of eight (8) feet above grade, unless otherwise approved by the Director of Public Works.
10. Small wireless facilities must be located a minimum straight-line distance of 40-feet from any building containing a dwelling or dwellings or from the building restriction line of undeveloped residential lots.
11. Replacement poles and fixtures must be the same height as the pole and fixtures being replaced, unless 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.
12. All small wireless equipment installed underground, at ground level, or on a pole must be placed in an enclosure.
13. All small wireless equipment must be consistent with industry standards.
14. Antennas must include shielding or otherwise be placed in an enclosure, except as approved by the Director. If attached to the top of the pole, the facility must be designed

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to appear like a continuous vertical extension of the pole. Antennas must not extend more than 36 inches 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.

15. 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.
16. 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.
17. 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.
18. No visible lighting is allowed on any small wireless facilities, except as required by law or as allowed by the City.
19. Any new pole installed to support a small wireless facility must be consistent and compatible with surrounding poles and structures.
20. Installation of small wireless facilities must not impact existing City street trees.
21. Installation of small wireless facilities must not impact line of sight for vehicle or pedestrian movements.
2. Installation of small wireless facilities must not create any Americans with Disabilities Act violations.
23. 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

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- i. Stormwater facilities
 - j. Other utilities
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 for small cell facilities must be spaced a minimum of 250 feet from other free standing small cell facility poles 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, incorporating small wireless equipment into the base of the pole, 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. Prior to permit issuance, the permittee shall post a performance security in a form acceptable to the Department and City Attorney. The security shall be a bond, irrevocable letter of credit, or certificate of guarantee issued by a surety company or financial institution authorized to do business in the State of Maryland. The Director shall determine the cost of work using average cost data from recent bids for comparable work received by government agencies. Cost of work is defined as the cost to restore the right of way and public infrastructure to pre-construction condition.
6. All other information otherwise required by Chapter 21 of the City Code and for an application for a Utility Permit.

Approved by: _____


Director of Public Works

Date: 8-26-2020

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