

AN ORDINANCE REGULATING THE INSTALLATION OF TELEVISION MASTS, TOWERS AND ANTENNAS, AND REQUIRING THE OBTAINING OF A PERMIT THEREFOR, WITHIN THE CITY OF ROLLA, NORTH DAKOTA, AND PROVIDING PENALTIES FOR VIOLATION.

BE IT ORDAINED BY THE CITY COUNCIL OF THE CITY OF ROLLA, NORTH DAKOTA:

Section 1. No person, firm, company, or corporation shall erect or install, or cause the erection or installation of an outside television mast, tower or antenna in the City of Rolla without having first obtained a permit therefor from the office of the City Auditor.

Section 2. Any person, firm, company or corporation desiring to erect or install a television mast, tower or antenna over 10 feet in height, shall make written application to the City Auditor for a permit therefor, setting forth and describing the mast tower and antenna to be erected, stating the height, the nature of the material of which it is to be constructed and the manner in which it is to be attached to the building, and such application shall be accompanied by a fee of One Dollar (\$1.00).

Section 3. Technical Requirements:

- (A). An Underwriters Laboratories approved lightning arrester or its equivalent is required on all antenna lead-ins unless the lead-in is of the metal shielded type, with the metal shield properly grounded.
- (B) Lead-in conductors attached to buildings shall be so installed that they cannot swing within 2 feet of conductors carrying 250 volts or less, or within 10 feet of conductors carrying more than 250 volts. The clearance between lead-in conductors and any conductor forming part of a lightning rod system shall be not less than 6 feet. That part of the lead-in that comes in contact with the building shall be supported at intervals of not more than 15 feet apart.
- (C) Conductive supporting poles, masts or other structures supporting antennas shall be permanently and effectively grounded with a minimum of #10 copper or #8 aluminum wire. Poles or masts which are themselves the sole antenna are, of course, exempt from this rule.
- (D) No television mast, pole, tower or antenna shall be mounted or attached to a chimney.
- (E) Poles or masts over 12 feet in height must be guyed with 3 or more wires to one position. Masts or poles 20 feet to 30 feet must be guyed to a minimum of 2 positions with the uppermost guy wires to be within 2 feet of the top of the pole or tower. The angle of the guys must not be less than 30 degrees from the vertical mast, wire used shall be of the stranded rust proofed type. Anchors shall be of equal strength or stronger than the combined wires connected to them. All guys fastened to the ground shall be protected by a sufficient safety guard to a minimum of 8 feet vertically from the ground.
- (F) All self supporting towers, poles, or masts over 10 feet in height shall be designed and installed to withstand an actual wind velocity of 90 M.P.H.
- (G) Metal supporting poles, masts, towers or other structures located on buildings provided with lightning protection must have an interconnection between the grounding conductors and the lightning surge conductors.
- (H) Plumbing vent stacks or natural gas piping shall not be used to ground antenna masts, poles or towers, instead all grounding conductors shall be attached, preferably to a cold water pipe supplied by an underground water distribution system, with the water meter properly jumpered. Where not available, grounding conductors shall be attached to a standard driven ground rod 6 feet or longer. No pole, mast, tower or ~~xxx~~ structure used to support antenna shall be so located that in falling it might fall across a utility distribution line over 250 volts unless that mast, pole, tower or structure has a double strength guy in such a position so as to keep that pole, mast

tower or structure from falling across such utility line.

- (I) All towers, masts, poles or antenna attached to a building shall be non-combustible and corrosive resistant.
- (J) The maximum height of antenna above the ground shall not be more than 100 feet.

Section 4. Penalty:

Every person, firm, company or corporation convicted of a violation of any of the provisions of this ordinance, shall upon conviction thereof be punished by a fine of not more than one hundred dollars (\$100.00), or by imprisonment for not more than thirty (30) days, or by both such fine and imprisonment in the discretion of the court, the court to have power to suspend said sentence, and to revoke the suspension thereof.

First Reading: August 3rd, 1953
Second Reading: September 8th, 1953
Final Passage: September 8th, 1953
Approved: September 8th, 1953



Mayor

ATTEST:


City Auditor