

ORDINANCE NO. 390

AN ORDINANCE REPEALING ORDINANCE NOS. 149, 158 AND 181 AND ENACTING ORDINANCE 390. REQUIRING A PERMIT TO BE OBTAINED FROM THE CITY OF ROLLA FOR THE CONSTRUCTION OF ANY SIDEWALK IN THE CITY OF ROLLA AND SPECIFYING THE MANNER OF CONSTRUCTION OF SIDEWALKS AND PROVIDING PENALTIES FOR VIOLATION.

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

SECTION 1. Definitions:

Property side. Property side shall mean that side of the sidewalk facing and adjacent to the property.

Street side. Street side shall refer to that side of the sidewalk facing the public street.

Grades and elevations. Grades and elevations shall mean the horizontal and verticals distances above a fixed benchmark to which the finished sidewalk shall be adjusted.

Residential sidewalk. Residential sidewalk shall mean those sidewalks laid in the areas designated by the City council as residential areas.

Commercial walks. Commercial walks shall mean those sidewalks laid in the areas as designated by the City council as business or commercial areas.

Gravel. Gravel shall mean clean, hard firm gravel not exceeding one inch in size nor less than one-quarter inch in size free from silt, loam, vegetable matter and other foreign and deleterious substances with a shale content of less than one-half of one percent.

Sand. Sand shall be clean, hard, sharp particles free of organic materials, silt, loam and other deleterious substances, and shall be less than one-quarter inch in size and shall be retained on a number 200 standard mesh.

Cement. Cement shall mean Portland cement conforming to the latest specifications of the American Society for testing materials for a type II Cement.

Where the City Council directs that high early strength cement shall be used, this shall mean type III Cement as specified by ASTM.

Reinforcing steel. Reinforcing steel shall mean deformed, round bars one half-inch effective diameter, and shall be free from rust and scale, and shall conform to ASTM specifications for reinforcing steel.

Fiber mesh or Wire mesh. Fiber or Wire mesh may be used for reinforcing provided the minimum size and spacing of the wire mesh is not less than AWG 44-88.

Expansion joint. Expansion joint shall mean a bitumastic material formed and shaped as a board having a minimum thickness of one half inch.

Water. Water shall mean the liquid substance free from alkali, dirt, loam, silt and organic materials.

SECTION 2. Grades and elevations. Hereafter before any sidewalk in the City of Rolla is constructed, the property owner, his agents or employees, shall obtain from the City Auditor a written permit stating the grade and elevation to which that sidewalk shall be constructed. Where conditions allow, the property side of the sidewalk edge shall be at least three-tenths of one foot above the crown line of the finished or established grade of the street. Where these conditions cannot be met, the City Council shall direct the manner in which the sidewalks shall be graded and aligned.

SECTION 3. Width of sidewalks. Where a new sidewalk is to be laid and no adjoining sidewalks are to be met, the width shall be 4 feet from residential sidewalks, 10 feet for commercial sidewalks on Main Street, and either 5 feet or 8 feet for other commercial sidewalks as determined by the City Council. Where existing sidewalks are to be met, or unusual situations are encountered the new sidewalk shall be laid as directed in the permit given by the City Auditor.

SECTION 4. Methods of construction.

- A. Subgrade preparation. The subgrade to receive the sidewalk shall be made from clean earth thoroughly tamped so that no appreciable settlement is noticed. Where a spongy material is encountered in the course of excavation for and preparation of the subgrade all such materials shall be removed to a depth of at least twelve inches below the finished grade of the sidewalk and the area filled with clean gravel and sand, thoroughly tamped and compacted. In no case shall ashes, cinders, or waste refuse as a result of combustion be used for fill or for grading. Fill material shall be of earth free of organic material compacted as described hereinabove.
- B. Forms. Forms shall be constructed of material that will allow the placing of concrete without bowing, bulging or failure of the form after the concrete has been placed. The forms shall be set true to line and grade so as to permit one-quarter inch of slope per lineal foot of width from the property side of the sidewalk to the street side.
- C. Mixing and placing of concrete. Concrete shall be made in the proportions of one part of portland cement, two parts sand, two parts gravel. Not more than six gallons of water per sack of cement shall be used. Where the aggregates (sand and gravel) have a high moisture content, the amount of water used per sack of cement shall be diminished so that the resulting concrete will not have more than a three inch slump

when tested by a standard slump cone. Thorough mixing of the ingredients either by hand or by mechanical means shall produce a uniform mixture so that all particles of sand and gravel are thoroughly intermingled and mixed with the cement. If mechanical mixers are used, the drums shall rotate at least one minute, at a speed not to exceed fourteen revolutions per minute for large mixers (two sacks or larger) and twenty-two revolutions per minute for smaller mixers. The concrete shall be placed on the prepared subgrade and between the forms previously prepared.

- D. Finishing of sidewalk. All sidewalks shall be finished with a wood float or belt finish. Where grades exceed five percent in slope a broomed finish shall be used. Construction joints shall be struck every six feet on the horizontal run and one-half inch expansion joints shall be placed every twenty-four feet center to center. Where the sidewalk adjoins a curb or a building, one-half inch expansion joints shall be placed between the sidewalk and the building or curb. Where a sidewalk is wider than six feet, and not exceeding twelve feet, a longitudinal construction joint shall be struck at the mid-point between the property side and street side.
- E. Thickness of sidewalks. All sidewalks shall be a minimum of four inches thick for residential sidewalks and six inches thick for commercial sidewalks. Where driveways cross sidewalks, the thickness shall be five inches for residential sidewalks, and a minimum of seven inches for commercial sidewalks. The thickened portion shall extend at least one foot on either side of the driveway widths.

SECTION 5. Alignment of sidewalks. All residential sidewalks shall be placed with the property side one-foot from the property line towards the street. In commercial areas the property side shall abut the property line.

SECTION 6. Penalties. Any person who shall violate any of the provisions of the Ordinance shall be punished by a fine not exceeding \$100.00 and taxable costs and shall stand committed until such fine is paid.

SECTION 7. Ordinance effective when. This Ordinance shall take effect and be in full force and effect from and after the 21st day of August, 2002.

First reading: August 5, 2002

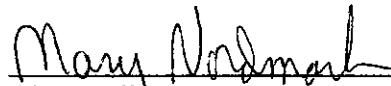
Second reading: August 21, 2002

Approved: August 21, 2002



Mayor, City of Rolla

ATTEST:

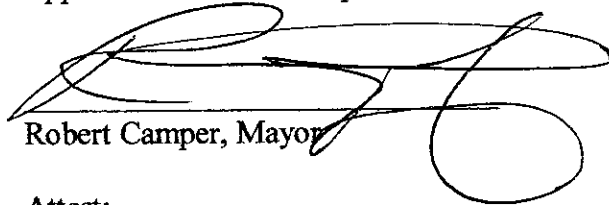


City Auditor

First Reading: August 21, 2002

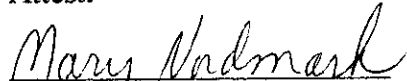
Second Reading: September 3, 2002

Approved: September 18, 2002

A large, stylized handwritten signature in black ink, consisting of several overlapping loops and a long horizontal stroke.

Robert Camper, Mayor

Attest:

A handwritten signature in black ink, written in a cursive style, appearing to read 'Mary Nordmark'.

Mary Nordmark, City Auditor