

ORDINANCE NO. A100

AN ORDINANCE PRESCRIBING THE WIDTH, MATERIALS AND MANNER OF CONSTRUCTION OF SIDEWALKS, CITY OF MAX, NORTH DAKOTA.

BE IT ORDAINED by the City Council of the City of Max, North Dakota:

I. Sidewalks Built to Grade

All sidewalks shall be constructed in accordance with the elevation and grade therefor to be furnished by the Street Commissioner, and shall be constructed under his direction and supervision.

II. Width of Sidewalks

All sidewalks hereafter constructed within the limits of the City of Max shall be constructed with the following widths:

- A. All sidewalks in the residential district shall be constructed four and one-half ($4\frac{1}{2}$) feet in width and shall have a minimum slope one quarter ($\frac{1}{4}$) inch per foot from the inside edge toward the street.
1. In locations where the right-of-way width is sixty (60) feet or less the sidewalk shall be constructed on the property line.
 2. In locations where the right-of-way width is greater than sixty (60) feet the sidewalk shall be constructed eighteen (18) inches out from the property line.
 3. In no case in the residential district shall the sidewalk be constructed adjacent to the curb unless right-of-way width or topographic features require and then only with specific approval of the Council.
- B. All sidewalks in the commercial and/or industrial districts shall be constructed from the property line to the back of the curb and the width of sidewalk shall be governed by the width of street section.
1. In areas where commercial development is not complete the entire sidewalk need not be constructed. A section six (6) feet in width adjacent to the curb shall be constructed thus leaving an area for structural foundations.

III. Materials and Manner of Construction

The kind and quality of material of which and the manner in which sidewalks and repairs shall be constructed shall be as follows:

A. Concrete - Generally

The materials used shall be composed of cement, fine and coarse aggregate and shall be mixed with such quantity of water as will produce a concrete wet enough to flush readily under light tamping, but which can be readily handled without a separation of the coarse aggregate from the mortar.

B. Natural Mixed Aggregate-Generally

Natural mixed aggregate or so called sand or pit run shall not be used as taken from natural deposit on the construction of this work, but all materials must be washed and screened in accordance with the specifications set by the Street Commissioner.

C. Proportions-Generally

On all work, the concrete shall be mixed in the proportions of one sack of Portland Cement to not more than two and one-half ($2\frac{1}{2}$) cubic feet of fine aggregate and not more than three and one-half ($3\frac{1}{2}$) cubic feet of coarse aggregate and not more than six and one-half ($6\frac{1}{2}$) gallons of water. A cubic yard of concrete in place shall contain not less than six (6) sacks of cement.

D. Protection of Work - Generally

All concrete work shall be carefully protected from sun, wind, storms and travel until thoroughly set until approved and accepted by the street commissioner.

E. Foundation - sidewalks

The foundation must be thoroughly tamped and wet down before the walk is laid and shall be so prepared as to present an even and uniform surface.

F. Placing Concrete - Sidewalks

The sub-grade shall be sprinkled directly ahead of the placing of concrete. The concrete shall be placed on the moist sub-grade and spread uniformly to the required depth with as little handling as possible and shall be spaded to the forms or header boards to prevent voids and honeycombed surfaces. The concrete shall be compacted so as to produce a uniformly dense concrete and so as to flush sufficient mortar to the surface to permit a proper finish. Excessive water, laitance or other inert material shall be floated from the surface.

G. Finished Concrete - Sidewalks

Concrete sidewalks and crosswalks shall have a wooden float finish true to line and grade. The surface shall be slightly rough but uniform. The outside edge of the slab and all joints shall be edged with a one-fourth ($\frac{1}{4}$) inch radius edging tool.

H. Sub-Grade

During the process of construction, the sub-grade shall be kept thoroughly wet.

I. Grade

All sidewalks must be constructed so that when completed the top of the surface nearest the property line shall coincide with the grade given by the street commissioner and shall decline uniformly towards the street on a minimum grade of $\frac{1}{4}$ inch per foot.

J. Expansion Joints

The walks must be cut into blocks of such size and in such manner as shall be determined by the street commissioner and expansion joints shall be constructed in sidewalks as directed by the street commissioner.

IV. Depth of Sidewalks

Sidewalks shall be constructed of concrete 4 inches thick or as specified by the street commissioner.

*Ord and final reading and passed and
adopted unanimously Sept 3, 1963*

*A. J. Jaam
auditor*