

15-151



Standing Committee: Public Infrastructure Committee

Document Name: Policy Manual/Guidelines for the City's Sidewalk Program

Consent

Non-Consent

Chairman Recommend

Recommendation: The Committee recommended accepting and placing the Policy Manual/Guidelines for the City's Sidewalk Program on file.

Attest:

Chair - Alderman Dave Soeldner

Date

Vice-Chair - Alderman Jim Brey

Alderman Jason Sladky

Alderman Jill Hennessey

Alderman Allan Schema

Approved:

Justin M. Nickels
Mayor

Date

15-151

CRITERIA FOR MARKING DEFECTIVE SIDEWALKS
“GREEN DOT PROGRAM”

Below is the criteria used to define defective sidewalks in need of repair.

1. Any section of sidewalk raised or settled with 3/4” or more vertical difference at a construction joint.
2. Any section of sidewalk cracked with a 3/8” or more vertical offset that can cause an ankle twister.
3. Any section of sidewalk having a crack width of 1/2” or more.
4. Any section of sidewalk having any 1/2” deep holes or pieces of sidewalk missing.
5. Any section of sidewalk that is 25% or more cracked, pitted or scaled.
6. Any section of sidewalk creating a drainage problem like ponding water or ice build ups. This refers to sidewalk sections that have settled/big dips in horizontal grade/plane. This item will be determined at the discretion of the inspector.

REPAIR POLICY FOR DEFECTIVE SIDEWALKS
"GREEN DOT PROGRAM"

RAISED OR SETTLED WALK

- A. Replacement, Mudjacking or Grinding are the only options where a section of sidewalk has raised or settled with a 3/4" or more vertical difference at a construction joint.
- B. Patch ramps will not be allowed. Only on an emergency situation and temporary in nature will patch ramp be allowed.
- C. Where tree roots have caused the sidewalk to raise, only replacement is allowed. The roots need to be cut out and removed to stop the raising of the sidewalk.
- D. If grinding an offset joint, the requirements and slope of the ramp shall conform to the guidelines on Form # 532.

CRACKED WALK

- A. Cracked sidewalks with 3/8" vertical offset (ankle twister) cannot be patch ramped. Replacement, mudjacking or grinding is allowed.
- B. Cracked walk without vertical offsets, but having a gap from 1/2" up to 1" can be filled or patched. If a section of sidewalk has more than 2 cracks, the section shall be replaced. A portland cement type material is required for this repair.
- C. Alligator or spider web cracked walk shall be replaced.

HOLES IN WALK

- A. Sidewalk with holes or pieces missing may be patched as long as the work passes inspection. A portland cement type material is required for this repair.

PITTED OR SCALED WALK

- A. Sidewalk marked that has pitting or scaling occurring has to be replaced. No overlays or topping is allowed.

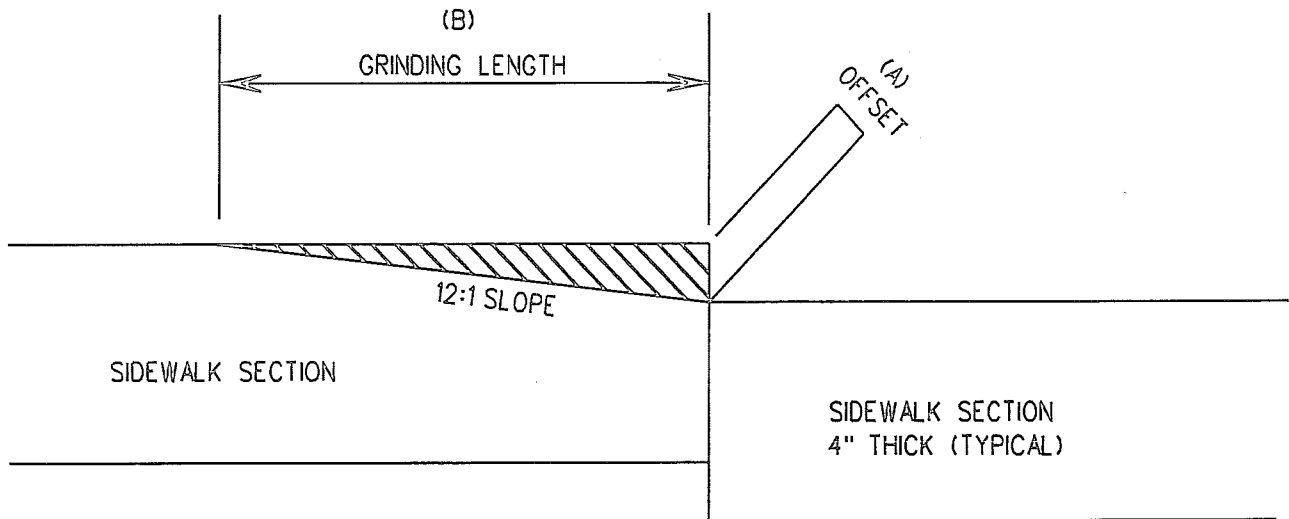
DIPPED OR DRAINAGE PROBLEMS

- A. Sidewalk marked creating a drainage issue can either be replaced or mudjacked.

NOTE: ALL SIDEWALK REPAIR WORK MUST PASS INSPECTION AND OWNERS SHALL OBTAIN A PERMIT UNLESS THE WALK IS REPLACED UNDER THE CITY CONTRACT!

GENERAL NOTES

1. NO GRINDING SHALL BE PERFORMED WHERE TREES OR STUMPS HAVE CAUSED AN OFFSET SIDEWALK.
2. ALL GRINDING SHALL CONFORM TO THIS DETAIL.
3. ANY OFFSET MORE THAN 1-1/2 INCHES CAN NOT BE GROUND, NO MATTER THE CONCRETE THICKNESS.
4. ALL GROUND SURFACES SHALL HAVE A SEMI-SMOOTH FINISH.
5. ALL GROUND SURFACES SHALL BE IN ONE STRAIGHT SLOPE.

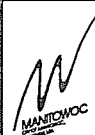


EXAMPLE (@ 12:1 SLOPE)

(A) OFFSET	(B) GRINDING LENGTH
3/4"	9"
1"	12"
1-1/4"	15"
1-1/2"	18"

NO SCALE

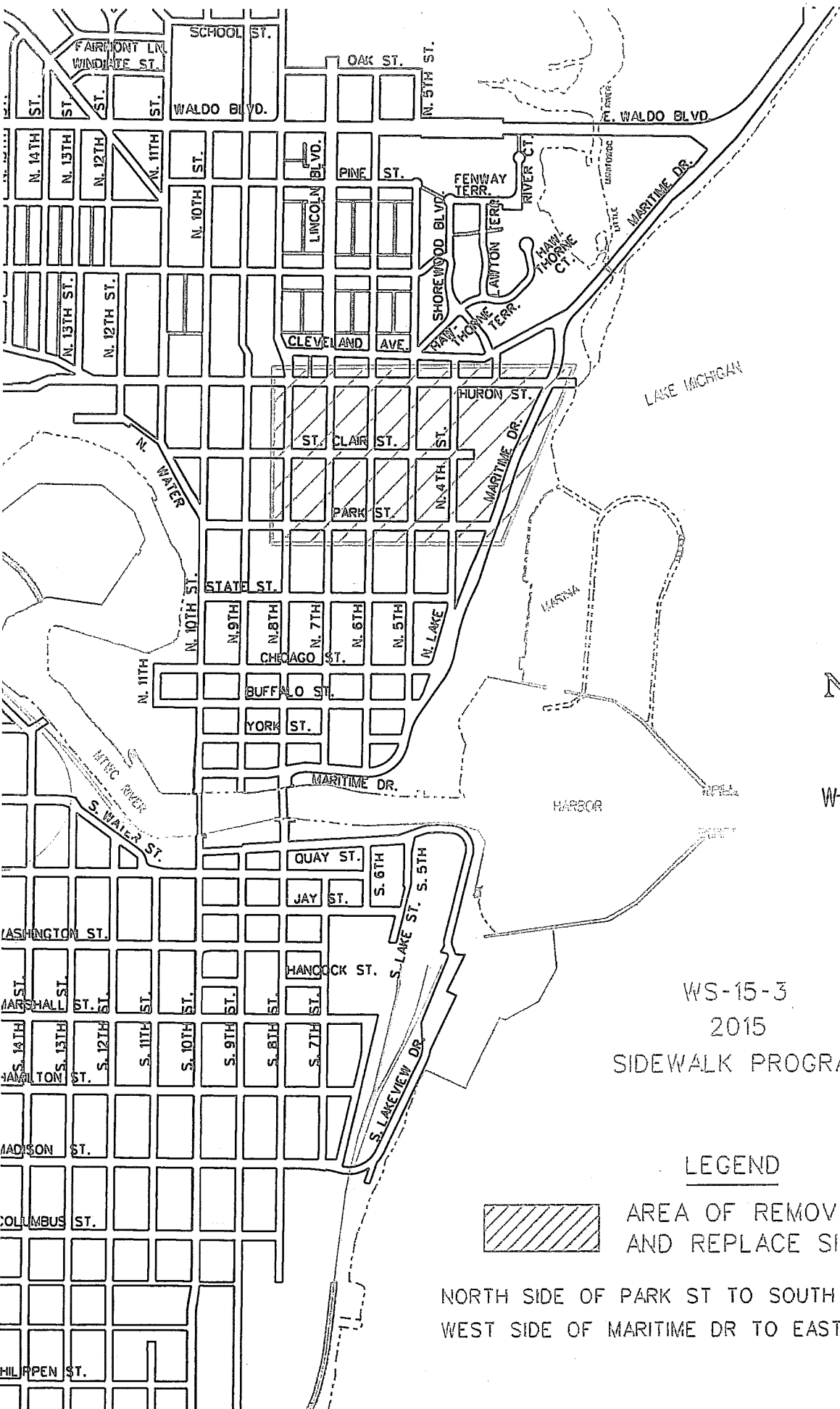
CONCRETE SIDEWALK
GRINDING DETAIL



City of Manitowoc
ENGINEERING DEPARTMENT

3/12 SAH

FORM NO.
532



WS-15-3
 2015
 SIDEWALK PROGRAM

LEGEND



AREA OF REMOVE
 AND REPLACE SIDEWALK

NORTH SIDE OF PARK ST TO SOUTH SIDE OF HURON ST
 WEST SIDE OF MARITIME DR TO EAST SIDE OF N 8TH ST