



CITY OF SAULT STE. MARIE, MICHIGAN ENGINEERING DEPARTMENT

225 E Portage Ave.
Sault Ste. Marie, MI 49783
(906) 632-5730 EngineeringPermits@saultcity.com

SIDEWALK CONSTRUCTION APPLICATION

New

Repair/Replacement

APPLICANT (Property Owner)

CONTRACTOR

NAME _____

ADDRESS _____

PHONE _____

Location, Length & Width of Proposed Sidewalk _____

Proposed Start Date _____ Proposed Completion Date _____

I hereby agree that I will comply with the terms of this permit and conform to all Regulations and Engineering Department Specifications pertaining to the proposed work or other activity above.

Applicant's Signature _____

Date _____

TERMS

- Additional State & County permits as may be required shall be the responsibility of the applicant.
- Applicant shall be responsible for appropriate traffic control required for the permitted activity.
- Applicant shall comply with all MIOSHA safety requirements.
- Applicant shall be responsible for repairing or replacing any existing City improvements (curb & gutter, sidewalk, pavement, utilities, etc.) which may be disturbed or damaged during the course of the permitted activity.
- The City shall not be responsible for the accuracy of information as contained in City maps, drawings or documentation.
- Applicant will comply with the attached Sidewalk Standards & Specifications
- Applicant shall call (906)632-5730 for inspection with **One Business Day Notice (M-F,9-5pm)** - after forms are placed but before concrete is poured.
- **ADDITIONAL ENGINEERING DEPARTMENT SPECIFICATIONS** _____

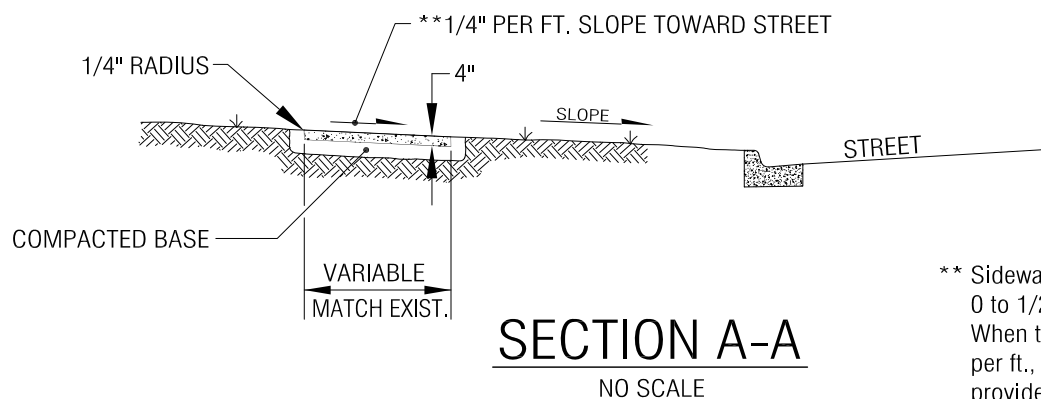
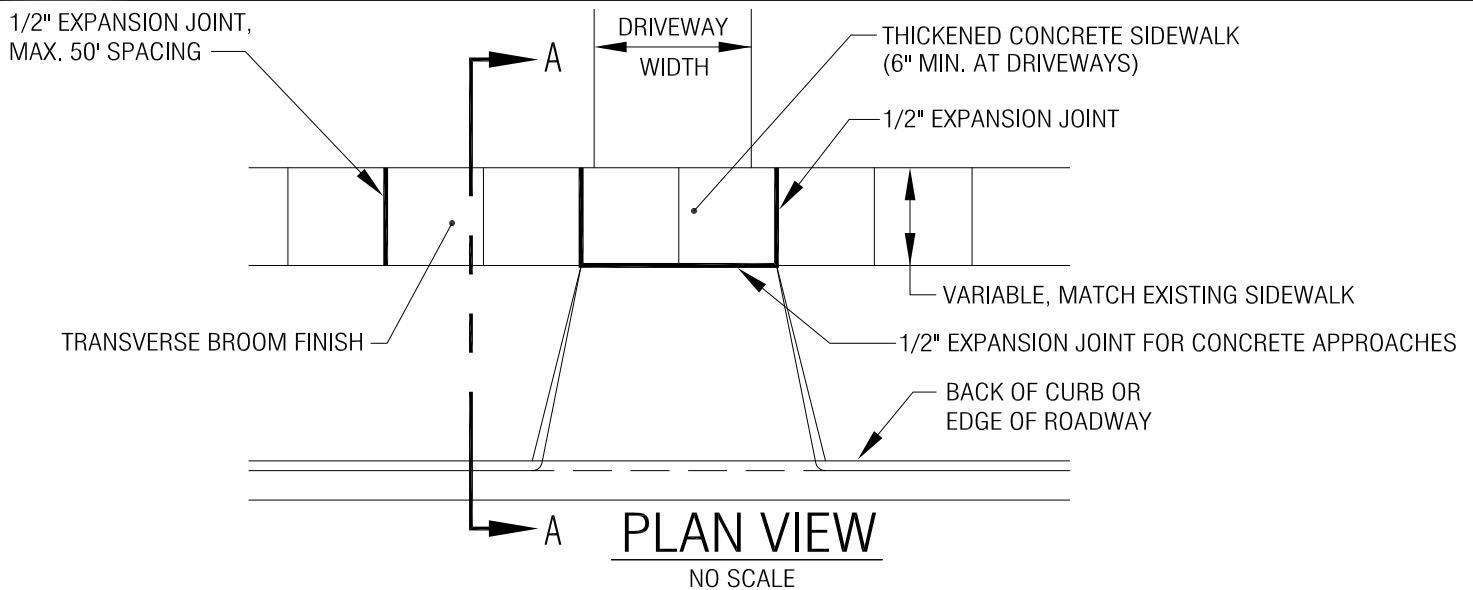
APPROVALS:

City Engineer Signature _____ (Date) _____

Inspector Signature _____ (Date) _____

**3 working days before you dig, call MISS DIG Toll Free
800-482-7171 or 811 MISSDIG.ORG**

FEE: ☐ Permit (under 20 LF) \$35
☐ Permit (20LF or more) \$60
☐ After-the-Fact: \$180



** Sidewalk transverse slope may vary from 0 to 1/2" per ft. to meet site conditions. When transverse slope is less than 1/4" per ft., longitudinal drainage must be provided.

SPECIFICATIONS:

- Construct sidewalks of type I-A portland cement concrete - 5.5 bag mix with $6.5 \pm 1.5\%$ entrained air in conformity with specifications herein.
- Excavate to provide proper depth and width for forming; remove all organic, soft and yielding materials and replace with acceptable granular material; shape and compact to a firm even surface.
- Use wood or metal forms to full depth of concrete. Forms shall be straight, warp free and with sufficient strength to resist springing. Firmly stake fixed forms to proper grade. Check base between forms to ensure minimum specified depth of slab for full width and length of forms.
- Place minimum 1/2" thickness expansion joint filler to full depth of concrete and hold top edge just below finished grade of sidewalk surface. Place at intervals of 50 LFT or one joint filler against existing sidewalk for shorter replacement sections. When new sidewalk construction meets an existing sidewalk with a broken edge, saw cut to provide a uniform longitudinal joint to meet new construction, leave minimum 3 ft. of adjacent slab or remove to next joint as directed by the City.
- Place concrete on moist base to full depth specified, spade along faces of forms before finishing and strike off to proper grade.
- Float all concrete to provide a smooth surface free from irregularities. Round all edges and joints to 1/4" radius using proper finishing tools.
- Place slab division joints perpendicular to sidewalk surface and at equal intervals not greater than the width. Slab division joints shall be formed after floating; segregate large aggregate and finish joint not less than 1/4 sidewalk depth and not less than 1/8" or more than 1/4" width. Finish surface with broom finish transverse to sidewalk length.
- Cure concrete properly using not less than 1 gallon curing compound per 200 sq. ft. of surface area or as directed by the City.
- Pedestrian traffic may be permitted after 48 hours or when approved by the City Engineer.
- When concrete has cured sufficiently the forms on both sides are to be removed and the spaces backfilled, compacted and leveled to 1/2" below sidewalk grade with sound earth. Backfill areas shall be seeded and mulched.
- During construction activities, permittee shall provide adequate protection of area to prevent injury to pedestrian traffic or damage to concrete surfaces. New surfaces or adjacent surfaces damaged during construction shall be replaced at the permittee's expense.



**CITY OF
SAUGATUCK, MI
ENGINEERING DEPARTMENT**
225 E. PORTAGE AVENUE
SAUGATUCK, MI 49783
(906) 635-5261 FAX: (906) 635-5606

SUBJECT:

SIDEWALK REPLACEMENT

REVISIONS

NO.	BY	DATE

DRAWN BY: T. COLLINS

APPROVED: D. STRICKLAND

SCALE: AS NOTED

FILE: SWREPL.DWG

DATE: 6/24/97

SHT.

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SI-840

SPECIFICATIONS: CONTINUED

When the running slope, or grade of a sidewalk is adjacent to the street or separated by a narrow planting strip, the sidewalk grade may be equal to the grade of the street and not be considered a ramp. Ramps typically occur on an accessible route leading to a facility or otherwise separated from the street.

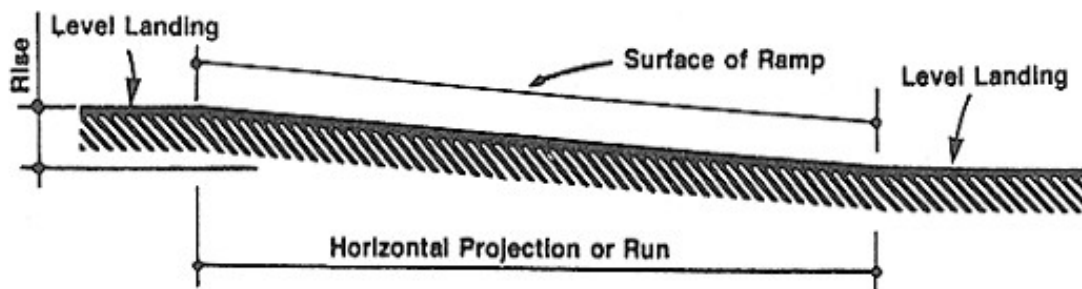
The cross slope for all ramps is to be 1%, but a maximum of 2.0% is allowed by ADA standards. Although the maximum running slope of a ramp in new construction is 1V:12H (8.33%), as discussed before, all sidewalks are to be designed with the least running slope possible. In an alteration project if it is technically infeasible to meet the running slope requirement, every effort should be made to flatten the slope as much as possible and provide landings where necessary.

The maximum rise in any run will be 30 in. Examples of various slopes and ramp lengths are shown in Figure 642.9.1.

A landing will be located at the top and bottom of all ramps and between segments that have a 30 in. rise. The landing will be at least the width of the ramp with a minimum length of 60 in. If a turn is required the landing must be 5 ft. x 5 ft. For example, a segment with a running slope of 1V:12H, or 8.33% will require a 5 ft. x 5 ft. landing every 30 ft. If it is part of a switchback access route.

A vertical rise greater than 6 in. will require a handrail. Handrails must be compliant with ADA standards, Section 4.8.5 (<http://www.ada.gov/reg3a.html#Anchor-19425>)

Edge protection will be provided on ramps and landings with drop-offs and shall have curbs, walls, railings, or projecting surfaces that prevent people from slipping off the ramp. Curbs shall have a minimum height of 4 inches.



Slope	Maximum Rise		Maximum Horizontal Projection	
	in	mm	ft	m
1:12 to < 1:16	30	760	30	9
1:16 to < 1:20	30	760	40	12

All curb ramps, shall be constructed to Section 803 of the 2020 MDOT Standards for Construction, and the MDOT Current Standard Plan R-29 Series.



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SUBJECT:

SIDEWALK REPLACEMENT

REVISIONS

NO.	BY	DATE
1	LJM	07/20/21

DRAWN BY: T. COLLINS

APPROVED: D. STRICKLAND

SCALE: AS NOTED

FILE: SWREPL.DWG

DATE: 6/24/97

SHT.

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