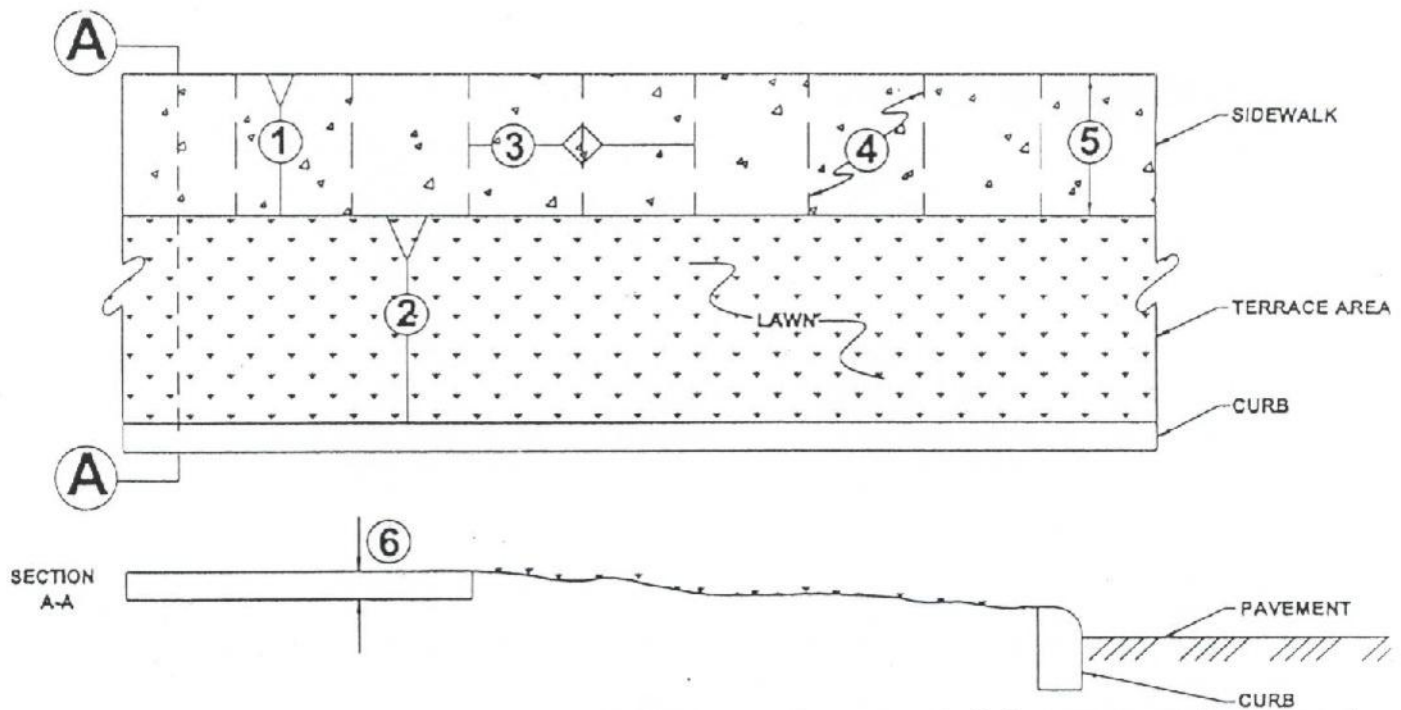


## **SIDEWALK SPECIFICATIONS FOR THE VILLAGE OF GRAND RAPIDS**

- Location:** Sidewalks shall be installed starting at the lot line then commencing into the right-of-way. Any other location shall be approved by the Village before installation.
- Inspection:** Village shall inspect the sidewalk project after the forms are set, but before the concrete is put in place. Call 419-832-5305 the day before to schedule an inspection. Inspections will only be scheduled Monday-Friday during regular working hours.
- Size:** Sidewalks shall be not less than four (4) feet in width. Sidewalk replacement shall match the width of walk on both sides of property, but in no case be less than four (4) feet in width. Walks shall be four (4) inches in thickness except at driveways where the walk shall be six (6) inches in thickness.
- Material:** Sidewalks shall be constructed of 4000 psi concrete with 6% air entrainment.
- Expansion:** Provide ½-inch thick premolded expansion material at 20 foot intervals along the walk and sawcut at five (5) feet intervals along the walk.
- Finish:** The concrete shall be placed and screeded to the finish grade and floated to a uniform surface using standard finishing techniques. Then apply a broom finish transverse to the walk. A curing/sealer compound shall be applied in accordance to the manufacturer's directions. All edges of walk shall be formed to a ¼-inch radius.
1. **Spacing:** Use square-ended shovels or a come-along hoe. DO NOT use rakes. They cause segregation of the material.
  2. **Screeding:** Use a straightedge consisting of a rigid, straight piece of wood or metal.
  3. **Smoothing:** Use a bull float or darbie to smooth and straighten the surface after initial leveling by screeding.
  4. **Jointing and Edging:**  
All outside edges and joints shall be edged with a ¼" radius edging tool. The surface of the walks shall be divided into equally spaced blocks at 5 foot intervals. These transverse joints in the concrete walk shall be sawed or formed with a groover (or jointer) to a depth of not less than one-fourth the thickness of the slab. Shallow grooves are used only as decorations.
  5. **Brooming:** Apply a transverse direction broom finish using a soft bristle broom designed for the brushing of newly laid concrete surfaces.
  6. **Curing:** Immediately after the final finishing operations have been completed and after all the free water has disappeared, all exposed surfaces of the concrete shall be sealed with a uniform application of a curing/sealer compound.



1. Transverse slope shall not normally be more than  $\frac{1}{4}$ " per foot. In no case shall the transverse slope exceed  $\frac{5}{8}$ " per foot.
2. Transverse slope over the terrace area shall not be more than  $\frac{3}{4}$ " per foot. Variances must be approved by the Village of Grand Rapids.
3. The maximum longitudinal slope shall be 1" per foot. Variances must be approved by the Village of Grand Rapids.
4. There shall be contraction joints at intervals equal to the width of the sidewalk or as directed by the Village of Grand Rapids (concrete walks only).
5. The sidewalk shall be a minimum of 4' in width, however, the sidewalk shall be constructed to the same width as the existing adjacent sidewalk on each side. Variances to this provision may be made only with the approval of the Village of Grand Rapids.
6. Sidewalk depth shall be a minimum of 4" except when the sidewalk is part of a driveway, where the depth shall be a minimum of 6".
7.  $\frac{1}{2}$ " expansion joint material shall be placed at property lines and around obstructions such as trees and poles. It should also be placed at driveways and along the curb line where the sidewalk is adjacent to the curb, and at intervals not to exceed 20' (concrete walks only).
8. Sidewalks shall be constructed following the Ohio Department of Transportation Construction and Material Specifications Item 608 current edition.

Where tree roots have caused damage to the existing sidewalk, it is the obligation of the property owner to contact the Village of Grand Rapids to determine whether or not the roots can be cut sufficiently without causing permanent damage to the tree. Grades are to be provided by the Village Administrator when determined to be necessary by the Village.

| STANDARD DRAWING        |  |
|-------------------------|--|
| NEW SIDEWALK DETAIL     |  |
| VILLAGE OF GRAND RAPIDS |  |
| Revisions:              |  |
|                         |  |

# APPLICATION FOR PERMIT TO EXCAVATE IN STREETS, PUBLIC R/W, ALLEYS AND TO CONSTRUCT OR RECONSTRUCT SIDEWALKS, OR DRIVEWAYS, OR TO MAKE CURB OPENINGS IN THE VILLAGE OF GRAND RAPIDS

Permit No: \_\_\_\_\_

Date of Application: \_\_\_\_\_

Undersigned hereby requests permission to excavate in a street, alley,  
or public way for the purpose of:

Location of work: \_\_\_\_\_  
(Street address, lot number, legal description)

If walk or driveway, number of sq ft: \_\_\_\_\_

If curb cut, number of lineal ft: \_\_\_\_\_

Material to be used in finish course:  
\_\_\_\_\_

| Type     | Fee |
|----------|-----|
| Water    |     |
| Sanitary |     |
| Storm    |     |
| Sidewalk |     |
| Drive    |     |
| Curb Cut |     |

The excavation will be \_\_\_\_\_ feet long and \_\_\_\_\_ feet wide. Said excavation will begin on or about \_\_\_\_\_ and completed within \_\_\_\_\_ days thereafter, which length of time is asserted by this applicant to be absolutely necessary to complete the work contemplated. Applicant agrees to conduct the work incident to the proposed improvement strictly in accordance with the ordinances, rules, and regulations of the Village of Grand Rapids or its duly authorized representative with respect to the same in force on the execution of this application, and to leave this street and/or alley where excavated in as good or better condition than before the work was accomplished. Applicant further agrees to protect the excavation area by a sufficient number of lights and related safety devices at night and by guards and other safety devices during the day so that the excavation can be distinctly seen by persons passing by during the time of work contemplated by this application is being accomplished.

The Village may require scale plans showing design and elevations of all work to be performed.

## INDEMNIFICATION AGREEMENT

I, \_\_\_\_\_, agree to defend, indemnify and hold harmless the Village of Grand Rapids  
(Print Name)  
from any claim, demand, suit, loss, cost of expense, or any damage which may be asserted, claimed or recovered against or from the Village of Grand Rapids by reason of any damage to property, personal injury or bodily injury, including death, sustained by any person whomsoever and which damage, injury, or death, arises out of or is incident to or in any way connected with the performance of this permit.

\_\_\_\_\_  
(signature)

Date: \_\_\_\_\_

Permit No: \_\_\_\_\_

\_\_\_\_\_  
(Applicant)

\_\_\_\_\_  
(Applicant Home Phone)

\_\_\_\_\_  
(Applicant Address)

\_\_\_\_\_  
(Applicant Work Phone)

\_\_\_\_\_  
(Name and Address of Property Owner adjoining Right-of-Way where work is to be done)

\_\_\_\_\_  
(Contractor)

\_\_\_\_\_  
(Contractor Home Phone)

\_\_\_\_\_  
(Contractor Address)

\_\_\_\_\_  
(Contractor Work Phone)

\_\_\_\_\_  
Village Administrator

Date: \_\_\_\_\_

Application Approved/Permit Granted: ☐ YES ☐ NO

Work Inspected: \_\_\_\_\_

Date: \_\_\_\_\_

Completed  
Work Inspected: \_\_\_\_\_

Date: \_\_\_\_\_

|  |                                                                        |  |
|--|------------------------------------------------------------------------|--|
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|  |                                                                        |  |
|  |                                                                        |  |

\*\*\* Call 1-800-362-2764 48 hours before you dig! \*\*\*