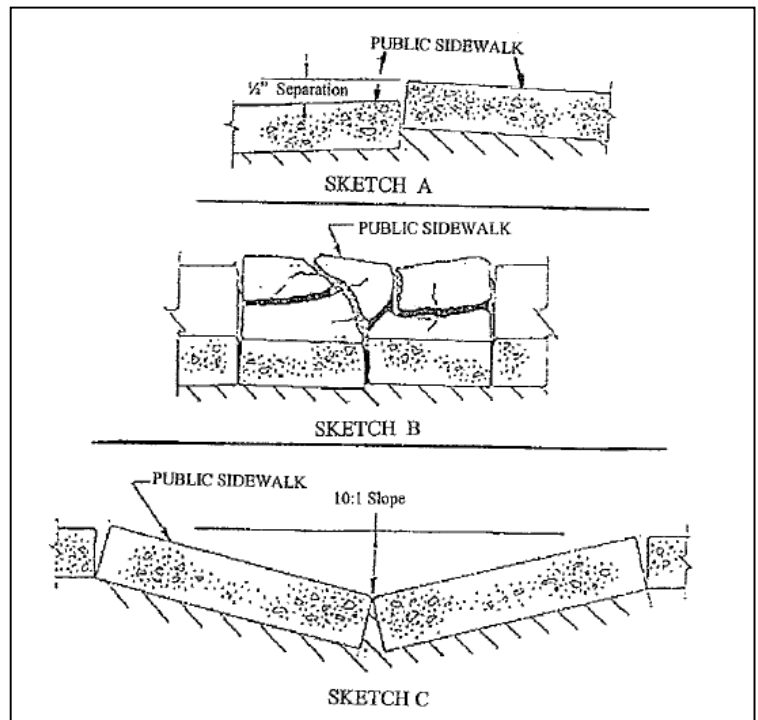


Municipality of Waterville Public Sidewalk Repair Policy

Purpose - The purpose of this policy is to protect the public health, safety and welfare of the citizens and inhabitants of the Municipality by preventing and eliminating tripping hazards on the public sidewalks to pedestrians, by repairing and/or replacement of required sections of sidewalks, to achieve, as close as possible, a uniform grade. Public sidewalk - "public sidewalk" means any main or approach sidewalk, between the curb line and private property line.

Responsibility - Every owner of any lot or parcel of land situated within the Municipality shall keep, repair and maintain the sidewalk along all public streets, drives, avenues, boulevards or lanes adjoining such lot or parcel. The cost of such keeping, repairing and maintaining shall be the responsibility of the individual owner or Municipality as determined. (Municipal Code, Chapter 913; Resolution 22-00 – “Connect Waterville Sidewalk Program; and Ohio Revised Code Section 729). Sidewalk sections which extend from existing sidewalks to the curb to facilitate the crossing of streets are the responsibility of the Municipality.

Determination factor – A public sidewalk is required to be repaired or replaced when a section(s) has a separation of one-half inch (1/2") or greater in the surface elevation which creates a tripping hazard (See sketch A). Also, a section(s) which has cracks, surface deterioration or separations which create an uneven surface and are large enough to create either a tripping hazard or a possible ankle turning situation must be replaced (See sketch B). Sidewalk sections, which meet with severe slopes or rises, greater than 10:1 shall be repaired as required (See sketch C). Municipality inspection of sidewalks to identify sidewalks which require repair and/or replacement will be done by walking the designated area and using a one-half inch (1/2") template to measure the amount of separation.



Repair/Replacement - Public sidewalk repair and/or replacement can be accomplished by the following methods:

1. Remove the existing damaged section(s) of sidewalk and replace with new section(s) of sidewalk per Municipality Sidewalk Specifications. (A copy follows this policy). Replacement sections shall be extended to existing control/expansion joints.

2. Raise or lower specific section(s) of sidewalk using compacted berm stone as a subbase for the walk. Sidewalk leveling can also be achieved by concrete leveling contractors who drill holes in sidewalk and pump a concrete or grout mixture under the walk, which raises it and levels the walk.
3. Ramping or grinding of sidewalk sections to achieve a uniform grade is prohibited.
4. If the section(s) break or separation is not located at a sidewalk joint, then the sidewalk section(s) must be replaced with new sidewalk.
5. If a property owner wishes to repair/replace the sidewalk themselves, or hires a contractor to repair/replace the adjacent sidewalk, they must first obtain a sidewalk permit from the Municipality. (Copy is attached). Forms shall be inspected and approved by the City before concrete is poured.
6. Sidewalk sections which must be replaced with new concrete must meet the sidewalk specifications of the Municipality of Waterville. (Copy is attached).

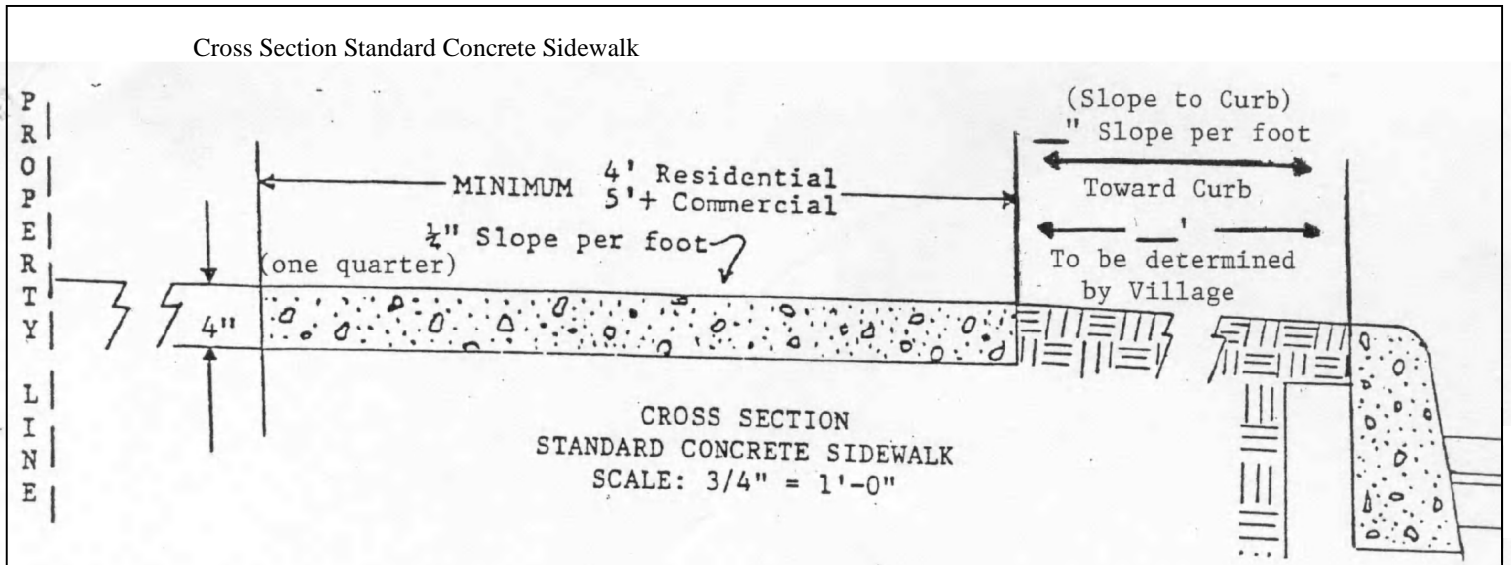
Sidewalk Marking - Sidewalks requiring repair/replacement or mud jacking will be marked by Municipal Public Works personnel during the initial inspection. The markings used will be as follows:

1. Solid colored dots on the edge of a section of sidewalk which has a separation of one-half inch (1/2") or greater means the section can be repaired by either leveling the adjacent section of sidewalk or the lower section can be replaced with new concrete. The Municipal Public Works personnel will be responsible for marking individual sections of sidewalks to be repaired with orange paint to "remove & replace" or green paint to "Mud Jack" lift & level. A white paint dot with the orange or green paint dot is used to identify Municipality responsibility for "repair/replace" or "mud jack" sidewalk repairs.
2. Two orange end lines with orange arrows in between means that all sections between the end lines must be replaced with new concrete.
3. "CR" marked on sidewalks at curbs means the sidewalks and curb must be removed and replaced with curb ramps in accordance with Ohio Department of Transportation (ODOT) standards. This is normally done by a contractor and is the responsibility of the Municipality.

NOTE: All underground systems within the public right of way, such as "irrigation systems" and pet "invisible fences" will be the property owner's responsibility to identify. Please do not hesitate to call if you have any question.

PUBLIC WORKS DEPARTMENT
419-878-8108

Municipality of Waterville
SPECIFICATIONS FOR SIDEWALK CONSTRUCTION AND REPAIR



NOTE: A permit is required to construct or reconstruct sidewalks in Waterville (a copy of which is attached)

1. Sidewalk Standards

Sidewalks shall be four (4) feet wide and four (4) inches thick, except at drive approaches. Across residential drive approaches, sidewalks shall be six (6) inches thick. Sidewalks shall slope toward the street one quarter inch (1/4) per foot (thus the edge closest to the street shall be one (1) inch lower than the edge adjacent to the property line). Two (2) inches of berm stone, ODOT item 411 stabilized crushed aggregate, shall be placed under the walk and compacted.

Residential Drive Approaches

All concrete drive approaches shall be six (6) inches thick with 4" of item 304 or item 411 aggregate base. Asphalt drive approaches to be two (2) inch minimum asphalt with four (4) inch aggregate base compacted.

2. Subgrade

All soft spongy material shall be removed and replaced with suitable material and compacted until it is firm. Grass and other plant material must be removed. The subgrade should be wet down the night before the concrete is poured and shall be damp at the time of pouring.

3. Forms

Forms shall be of wood or metal and extend for the full depth of the concrete, and of sufficient strength to resist the pressure of the concrete without springing. Forms shall be inspected and approved by the City before concrete is poured.

4. Concrete

Shall test 4,000 psi at 28 days with not less than 600 pounds of cement per cubic yard of concrete regardless of strength obtained, and not over six and one-half (6 1/2)

gallons of water per sack of cement and not over five (5) inch slump. The amount of air entrained in the concrete shall be between four (4) and eight (8) percent with a preferred amount of six (6) percent. In general, materials shall meet item 608.02 of the State of Ohio Department of Transportation Construction and Materials Specifications, except as otherwise provided herein. Do not pour concrete on frozen ground or when temperatures will drop below 32° F.

5. Grade

Any sidewalk constructed or reconstructed shall be constructed or reconstructed on such plane inclination and level so that the wearing surface thereof shall be uniform and even throughout its length and width and shall be uniform and even with any adjoining and connecting walk.

Grade between curb edge and sidewalk edge, shall slope one-half (½) inch per foot toward top of curb.

6. Finishing

The concrete shall be deposited in a single layer. It shall be struck off with a template and smoothed with a float to obtain a sandy texture. No plastering will be permitted. All outside edges and joints shall be edged with a quarter (¼) inch radius edging tool. It must have a light broom finish.

7. Joints

Joints shall be placed at intervals of five (5) feet and shall be perpendicular to the outside edges of the walk. Joint depth shall be one-quarter (¼) the slab thickness. Premoulded expansion joints of one-half (½) inch thick shall be placed not more than twenty-five (25) feet apart and whenever sidewalk intersect other sidewalks, curbs, drives, etc.

8. Curing

Spray exposed surfaces with a uniform application of curing membrane immediately after finishing surface and free water has dissipated.

9. Driveways (Residential)

Where there is an existing portland cement concrete or asphaltic concrete drive in reasonable good condition, the sidewalk may terminate at the edge of such a drive. Where stone or dirt driveways exist or the drive in the area of the sidewalk is not in good condition, then the sidewalk shall be constructed across the driveway and shall be six (6) inches thick. The Municipality will make the final determination with regard to the condition of a drive.

10. Tree Roots

Per Ordinance 07-05, Section 907.14; Construction Near Public Trees:

- (a) For all trees measuring twelve (12) inches or less DBH(Diameter at Breast Height - Breast height is defined as 4.5 feet (1.37m) above the forest floor on the uphill side of the tree), soil excavation work or root cutting shall not occur closer than three (3) feet from the outer bark of the tree.

- (b) For trees measuring greater than twelve (12) inches DBH, soil excavation work or root cutting shall not occur closer than a distance equal to the circumference of the tree measured at a height four feet above ground level or six (6) feet, whichever is less.
- (c) Soil excavation work is permitted closer than the distance parameters established in (a) and (b) above provided all excavation of soil is accomplished by hand, shovel, air spade or auger, and no roots greater than two (2) inches in diameter are severed.
- (d) If lateral roots greater than two (2) inches in diameter are encountered, they shall be exposed beyond the excavation limits and an attempt shall be made to bend and relocate the roots without breaking them. If such lateral roots are encountered immediately adjacent to the location of new construction and relocation does not appear practical, the Public Works Director or his or her designee shall be contacted.
- (e) If, after inspection by the Public Works Director or his or her designee, it is determined that the cutting of roots cannot be avoided, the following standards shall be observed: Roots must be cut sharply and cleanly. The wound shall not be painted or treated. All excavated roots shall be backfilled by hand as soon as possible to prevent drying. If immediate backfilling is not possible, roots shall be covered with peat moss or wet burlap and watered. The tree shall be thoroughly watered by providing the equivalent of one (1) inch of water per week for up to one year at the direction of the Public Works Director or his/her designee.
- (f) No construction equipment shall be parked and no particulate construction material such as sand, soil or gravel shall be stored on the surface of any unpaved areas within the drip line of any public tree without the express permission of the Public Works Director or his/her designee.
- (g) If the removal of a public tree cannot be avoided, or if a public tree does not survive due to construction activities, the owner of the facility to be constructed shall obtain a permit as specified in 907.06 and shall remove the tree at the owner's sole expense. Said owner shall also plant, at the owner's sole expense, a replacement tree of a size, type and at a location approved by the Tree Commission.



City of Waterville

Department of Public Works
 25 N. Second Street
 Waterville, Ohio 43566
 (419) 878-8100

SIDEWALK/DRIVEWAY CONSTRUCTION PERMIT APPLICATION

(Codified Ordinances Chapters 913 & 917)

Property Owner _____
 Address of Proposed Sidewalk/Driveway _____
 Mailing Address of Owner (if different) _____
 Phone Number _____
 Legal Description of Property _____
 Sidewalk Contractor _____ Address _____
 Square Feet of Sidewalk to be Constructed (in public right-of-way) _____
 Driveway Contractor _____ Address _____
 Phone Number _____ Bond on file with City? Yes _____ No _____
 Width of Driveway at Edge of Street or Alley (including taper) _____
 Driveway Material (e.g. concrete or asphalt—must be impervious and dustless) _____
 Thickness of Driveway (minimums—6" concrete or 2" asphalt on 6" stone base—primed) _____
 Use to be Served by Driveway (residential, commercial, industrial, other) _____
 If not Residential, Give Specific Type of Business or Industry _____



CURB LINE -OR- EDGE OF PAVEMENT _____

PUBLIC STREET OR ALLEY _____

The property owner does hereby agree that in consideration of the granting of the requested permit the City of Waterville will be held harmless from any and all damages. That construction will be in full compliance with Ordinances of the City of Waterville and the Laws of the State of Ohio and that all statements made herein are true and correct.

Applicant (Property Owner) _____

Date _____

CITY OF WATERVILLE USE ONLY

		Permit Approval			
		By	Approved	Disapproved	Date
Application No. _____	Zoning Inspector _____	_____	_____	_____	_____
Date Received _____	PW Service Director _____	_____	_____	_____	_____

Work Completed in Accordance with Chapters 913 & 917: Inspected By: _____ Date _____

Sidewalk Permit Fee: \$ _____
 (Cost: \$10.00 + .05/sq. ft in excess of 200 sq. ft.)

Driveway Permit Fee: \$ _____
 (Cost: \$20.00 + \$2.00/ft.)

TOTAL FEE PAID: \$ _____ DATE: _____ RECEIPT # _____