

Attachment A

Ordinance G-9-18-1 – Sidewalk Program Construction/Repair Specifications

Concrete Sidewalks

- 1) Subgrade: Flat, dry and compacted subsoil
- 2) Gravel base: Four (4) inches of compacted dense aggregate limestone
- 3) Forms: Wood or steel set to slope toward the street at a two (2) percent slope (1/4" / foot). The existing elevation of sidewalk and roadway will determine the elevation.
- 4) Width: Five-foot width, or equal to existing sidewalk if the same or wider, is preferred. Sidewalks may be reduced to a minimum four-foot width due to site constraints, as determined by the Village of New Concord.
- 5) Reinforcement: Steel mesh or rebar where walk crosses a driveway. These must be set 1-1/2 inch below the surface.
- 6) Material: Four (4) inches of 3,500 psi concrete, six (6) inches over residential driveways, and eight (8) inches over commercial driveways.
- 7) Finish: Hand float, light broom perpendicular to traffic flow, tooled joints at distance equal to the width of the walk, tooled edges.
- 8) Expansion Joint: Place a 1/2-inch fiber strip between the new sidewalk and existing sidewalk or structures.

Exposed Aggregate Finish Sidewalk

- 1) Follow guidelines for concrete sidewalk except finish.
- 2) For exposed aggregate sidewalk finish with retardant and gently wash off surface cement from the aggregate after an appropriate waiting period.

Brick Finish Sidewalk

- 1) Subgrade: Flat, dry and compacted subsoil
- 2) Gravel Base: Four (4) inches of compacted dense graded aggregate limestone
- 3) Forms: Wood or steel set to slope toward the street at a two (2) percent slope (1/4" / foot). The existing elevation of sidewalk and roadway will determine the elevation.
- 4) Width: Five-foot width, or equal to existing sidewalk if the same or wider, is preferred. Sidewalks may be reduced to a minimum four-foot width due to site constraints, as determined by the Village of New Concord.
- 5) Reinforcement: Steel mesh or rebar where walk crosses a driveway. These must be set 1-1/2 inch below the surface.

- 6) Concrete base: Four (4) inches of 3,500 psi concrete, six(6) inches over residential driveways, eight (8) inches over commercial driveways. Cure seven days before brick installation.
- 7) Concrete Finish: Hand float, tooled joints at a distance equal to the width of the sidewalk, tooled edges. Coordinate alignment with brick surface cut joints.
- 8) Expansion Joints: Place 1/2-inch polyethylene or pre-molded cellular elastomeric rod between the new sidewalk and existing sidewalk or structures. Along straight stretches place the joint every 16 feet. Coordinate with brick surface joints.
- 9) Brick Setting Bed: 3/8-inch minimum (1-inch maximum) Type M meeting ASTM C 270 mortar
- 10) Brick Paver Joint: 3/8-inch tooled with concave jointer.
- 11) Brick Paver: Light traffic; ASTM C 902; red or red blend color, or as approved by the Village. Lay in running bond or herringbone (at all corners), or as approved by the Village.
- 12) Joints: Cut contradiction joints in coordination with concrete base. Align expansion jointing, as specified above, with concrete base joints.