

VILLAGE OF PLEASANT DALE
STREET DEPARTMENT

08129

**CRITERIA FOR CONSTRUCTION OR RECONSTRUCTION OF SIDEWALKS, CURBS &
GUTTERS, DRIVE WAY APRONS AND ALLEYS**

- The objectives for the construction or reconstruction of sidewalks, curb & gutter, and driveway aprons are as follows: pedestrian safety, proper drainage, coordination with existing streets and future Village of Pleasant Dale (subsequently stated Village) street projects, and maintaining property values.
- The views and concerns of the property owner will be taken into consideration. The decision should be to the benefit of the property owner in marginal cases.
- No part of a concrete structure may be place over a sewer or water line that is maintained by the Village, except where a sidewalk, curb and gutter or alley intersects at 90 degree angle.
- When a situation arises that is not specifically addressed in text of this document the provisions in Appendix A (Special Provisions for the Construction of Concrete Sidewalks, Curb, Curb and Gutter, Alleys and Drive Approaches 2007 Edition) will apply.

Permit Requirements:

- A permit is required for the construction or reconstruction of sidewalks, curb & gutter, and driveway aprons.
- A public sidewalk is required along the street of any new construction or housing development within the Village Cooperate Limits.

Inspection Requirements:

- The sub-grade and forms shall be visually inspected by the Village street commissioner prior to the placement of the concrete.
- The request for inspection must be made 6 hours prior to the intended time of concrete placement.

CONCRETE CONSTRUCTION SPECIFICATIONS

- Normal sidewalk installation in a residential area is within one (1) foot from the property line four (4) feet wide four (4) inches thick.
- Sidewalks in a commercial area should be a minimum of six (6) feet wide installed directly behind the curb and next to the property line.

- Sidewalks shall be true to line and grade and shall provide a maximum slope of 1/4 inch maximum per foot lateral to sidewalk and shall drain to the street or in the direction of existing grade.
- Sidewalks shall be kept at the present sidewalk grade when constructed within driveway aprons ramped to the gutter.
- The installer must try to match the predominate style of sidewalks adjacent to and throughout the Village.

CONSTRUCTION

Material:

- A minimum of two (2) inches of cushion of sand should be provided over undisturbed earth or compacted sub grade.
- Sidewalks shall be four (4) inches nominal thickness made with a minimum of five (5) sack concrete with a compressive strength of not less than 3,000 pounds per inch at 28 days.
- Expansion joints shall be made of 1/2 inch thick industry accepted material.
- #4 steel reinforcing dowel shall be placed at each expansion joint.
- #3 reinforcing bars or reinforcing wire is recommended to reinforce and stabilize the concrete sidewalk sections.

Forms:

- Forms may be wood or steel sufficient to provide the rigidity required to maintain the form in a straight and level condition.
- Forms shall be held securely in place by stakes or braces, in such a manner to keep the form top of edges true to line and grade.
- The height of the forms shall be the same as the thickness of the concrete sidewalk.
- Flexible strips may be used on curved sections.

Expansion Joints:

- Expansion joints (1/2 inch thick asphalt material) shall be placed at intervals of 75 feet for new sidewalk construction.
- Expansion joints shall also be placed between the sidewalk and driveway approaches, intersection sidewalks, and buildings; between the sidewalk and all structures (fire hydrants, light standards, and poles which extend through the sidewalk); at all points of

curvature in the sidewalk; where the new sidewalk abuts the existing sidewalk; and where the new sidewalk abuts a street or alley right of way.

- The expansion joints material shall be placed to within one quarter (1/4) inch below the surface of the concrete.
- #4 X 12 inches steel dowels shall be centered midway in the concrete's thickness approximately 6 inches from the sidewalk edges and spaced approximately 12 inches apart and centered at each expansion joint, with one end wrapped or otherwise prevented from bonding with the concrete.

Control Joints:

- The surface of the sidewalk shall be divided by tooled control joints constructed at right angles to the centerline of the sidewalk.
- These control joints shall extend to one-fourth (1/4) the thickness of the slab in depth and shall be placed at intervals equal to its width.

Placing and Finishing:

- Concrete shall be placed continuously for the entire width and length of the slab, and finished to a true and even surface with a straight float.
- The concrete sidewalk shall be a minimum of four (4) inches thick except through driveways, which shall be a minimum of five inches (5") thick in residential areas, and a minimum of six inches (6") inches thick in commercial areas and alleys.
- Sidewalks shall be kept at present sidewalk grade when constructed within driveway aprons ramped in the gutter.
- The surface shall be given a rough float or a light transverse broom finish.
- Sidewalk forms shall remain in place for a minimum of 24 hours after the concrete is placed. Sidewalk may be cured with Village approved curing compounds.
- After the concrete has set and the forms removed, the excavated areas shall be back filled as directed by the property owner within 7 days of the concrete placement.

Measurement and Basis of Payment:

- The square footage of concrete placed shall be the actual number of square feet of sidewalk of the specified thickness, in place, completed and accepted by the Village.
- The concrete placed, measured as described above, shall be paid for at the contract unit price per square foot.