



PUBLIC WORKS DEPARTMENT

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CONCRETE SIDEWALKS

The intent of this specification is to describe the minimum acceptable standards for the construction of concrete sidewalks in the Town of Addison.

- 1.1 The Contractor shall furnish all materials and labor as required for the construction of sidewalks, in accordance with approved plans, specifications, and these instructions.
- 1.2 **Excavation:** All excavation required for the construction of sidewalks shall be in accordance with the lines and grades as established by the Town of Addison Sidewalk Procedure and Specifications.

Where excavation for sidewalks necessitates the re-grading of existing berms, the contractor shall grade berms as directed by the Street Superintendent and replant as needed. This work shall also include all necessary back-filling and grading behind retaining walls.

The Contractor shall perform all necessary filling, leveling and fine grading as required to bring the sub-grade to the exact grades specified; and compacted to 95 percent standard proctor density.

- 1.3 **Forms:** Forms shall be of wood or metal, and of a sectional length satisfactory to the Street Superintendent. They shall be free from warp and of a depth equal to the thickness of the finished work. They shall be securely staked to line and grade, and maintained in a true position during the depositing of concrete. Forms shall be set to provide positive drainage for the finished sidewalk.
- 1.4 **Reinforcing Steel:** All steel reinforcement shall be accurately placed, and held in place during progress of concrete placement by such effective means (chairs, ties, etc.) that it shall not be moved out of true position. All reinforcement necessary for a section of concrete shall be placed and approved by the Street Superintendent before any concrete is deposited in the section. All steel must be free from paint and oil; all loose scale, rust, dirt, and other foreign substances shall be completely removed before using. Where new concrete sidewalks abut existing sidewalks 3/8" steel reinforcing bars shall be doweled into existing sidewalk, a minimum of 6" and secured with epoxy.
- 1.5 **Placing:** Concrete shall not be placed when the temperature is below 40 degrees F., and falling; but it may be placed when the temperature is above 35 degrees F., and rising. The temperature being taken in the shade and away from artificial heat. When concrete is being placed in cold weather, the Contractor shall have available for immediate use a sufficient supply of an approved covering material, to immediately protect the concrete when the air temperature falls to 32 degrees F. before the concrete has been in place four (4) hours.