

New

# TOWN OF BROOKLINE, MA

## Portland Cement Concrete Sidewalk Specifications

All cement concrete walks to be placed in the Public Ways of the Town of Brookline shall conform to the following:

1. Concrete shall be formed, placed on an approved base, properly finished and cured by experienced concrete finishers under the inspection of the Department of Public Works.
2. Concrete shall be "Class D" (4,000 p.s.i.) in accordance with Section M4.02.00 of the "Standard Specifications for Highways and Bridges" of the Massachusetts Highway Department with 610 lbs. of portland cement, maximum aggregate size of  $\frac{3}{4}$ " and 0.20 gallons of Carbo Jet Dispersed Carbon Black or 0.20 pounds of Lamp Black color admixture per cubic yard of concrete with  $6\% \pm 1\%$  entrained air in place.
3. Concrete slump shall not exceed four (4) inches
4. Thickness of concrete sidewalks shall be four (4) inches, (six (6) inches at driveways.)
5. Concrete walks shall be non-reinforced.
6. Control joints shall be straight and to a depth equal to one-quarter of the finished depth. Spacing of control joints will depend on the width of the sidewalk and shall form square or nearly square panels.
7. The concrete shall be screeded and darbied or bull floated (not to excess). A proper waiting period shall be allowed for settlement and bleeding before final finishing. A transverse soft broom finish is required.
8. Concrete shall be sprayed in two directions with an adequate amount of impervious membrane curing compound according to Subsection 476.71C of the "Standard Specifications for Highways and Bridges".
9. Expansion joints shall be to the full depth and width of the concrete slab and shall be placed at vertical or horizontal direction changes, where pavement thickness changes, at each end of tree pits, and around all poles.
10. Bond breaking material shall be used where concrete is placed against walls, etc.
11. All concrete walk layout and design shall be reviewed with the Engineering Division representatives well in advance of construction and shall be inspected by this Division during construction. Air tests and strength cylinders may be taken by the Division to verify proper materials and compliance with the specifications.
12. All equipment, materials and tools shall be on the job before placing concrete.
13. All Concrete sidewalks and driveways shall be installed in accordance with the **latest A.D.A. requirements.**