

SIDEWALK & DRIVEWAY SPECIFICATIONS FOR PROPERTY OWNER

1. **CONCRETE** - Concrete for sidewalk and driveway construction shall contain not less than six (6) sacks of cement per cubic yard and the slump shall not exceed four (4) inches. Fly ash will not be allowed.
2. **AIR-ENTRAINED** - All concrete shall be air-entrained. The air content shall be between five percent (5) and seven percent (7).
3. **THICKNESS** - All sidewalk shall be four (4) inches thick. All driveways shall be six (6) inches thick including the sidewalk section through the driveway (see Plate 64.03).
4. **LOCATION AND DESIGN** - Upon the purchase of a driveway or sidewalk permit by the property owner, the City Engineering Department will establish line and grade at the proper location. The inside edge of the sidewalk will be placed one (1) foot from the nail in the 1" x 2" stakes. The inside edge of the sidewalk will be level with the "blue topped" stakes. All sidewalks will be five feet in width. The sidewalk shall have a uniform slope of 1.25" toward the street. Contraction joints shall be placed every five (5) feet and shall be not more than 1/8 inch in width and shall be cut to a depth of not less than 1/3 of the thickness of the walk. Expansion joints shall be placed every fifty (50) to sixty (60) feet or where the walk abuts against or around another permanent fixed object. Expansion joints shall be composed of one-half inch thick bituminous filler, extending the full width and depth of the sidewalk. Material such as tar paper or cardboard, which can be rolled or folded to make expansion joint filler shall not be used.
5. **PREPARATION** - All fill must be solidly compacted in six (6) inch layers and extended two (2) feet beyond the edges of the sidewalk to prevent undermining. If it is necessary to fill, all sod must be removed before the fill is placed. All grass, sod, sticks, roots, and vegetable matter must be removed. Subgrade shall be well compacted.
6. **PLACING CONCRETE** - Immediately before placing the concrete, the insides of the forms shall be wetted and the foundation moistened with water. The concrete shall be placed in the forms by means of a chute or hand shoveling, and be thoroughly compacted by vibrating with a suitable vibrator.

Concrete shall in no case be placed on a frozen foundation. Unless cold weather protection and curing are furnished, concrete shall not be placed when the air temperature in the shade is less than 35 degrees F. nor shall it be placed where the air temperature is less than 40 degrees F. and falling.

Immediately after the water sheen has disappeared, the surface shall be broomed lightly at right angles to the centerline. The broom shall be approximately 24 inches long and shall have not less than three rows of bass, bassine or coire fibers. Brooms shall be clean and free of dry or hardened mortar before being used.

The Contractor shall mark in the walks at each end of every one hundred and fifty (150) feet of work or fraction thereof, either by stamping or by inlaying an approved metal plate, his name and year in which the walk is constructed. The stamped letters shall be one (1) inch high and one fourth (1/4) inch deep. If a metal plate is used, the top of the plate shall be flushed with the top of the walk.

The forms shall remain in place for a period of not less than 12 hours.

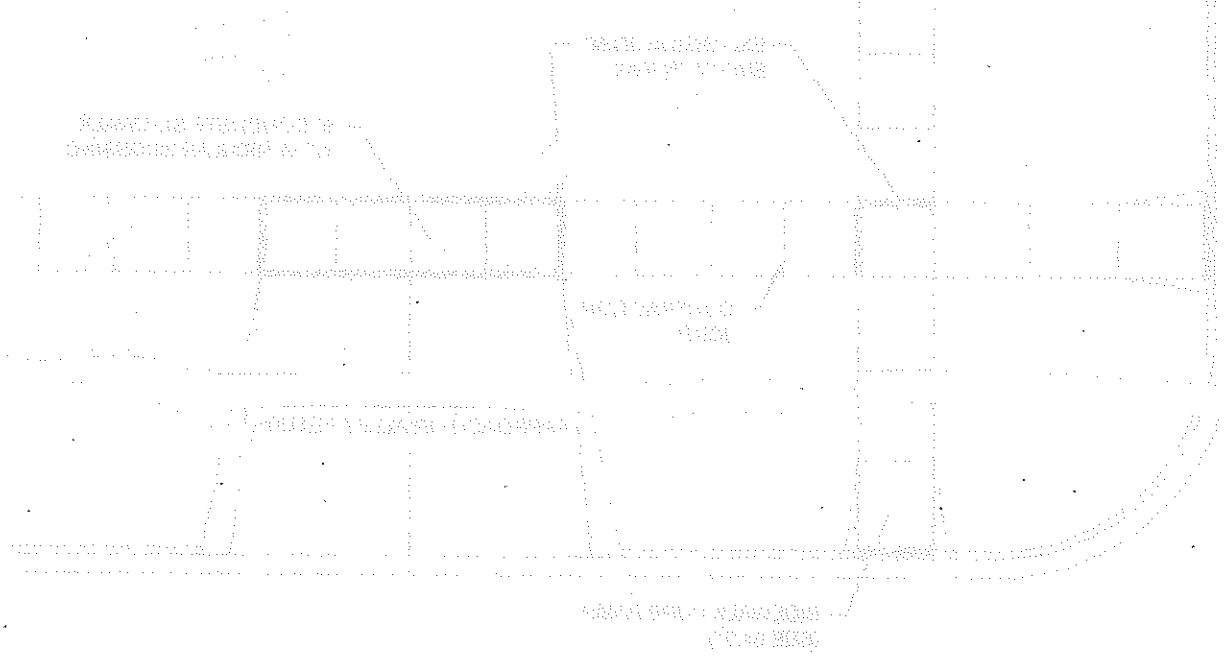
The concrete shall be cured for a period of not less than 72 hours by covering it with curing paper or plastic curing blankets or a membrane curing compound.

During cold weather, the Contractor shall protect the concrete from frost for at least 72 hours after placing. The restoration of the disturbed area adjacent to the sidewalk shall then be completed.

7. **RESTORATION** - Restoration shall include removal of excess material, installing black dirt (one inch minimum), leveling, and seeding.

The seed mixture shall consist of the following grasses: 63% Park Blue Grass, 33% red fescue.

8. **USAGE OF DRIVEWAY** - Any driveway permitted under this ordinance shall lead to an area on the private property of sufficient size to accommodate the vehicles using such driveway.



BY THE BOARD OF SUPERVISORS OF THE COUNTY OF SAN JOAQUIN
APPROVED AND ADOPTED THIS _____ DAY OF _____, 20____