

CITY OF ONEIDA - SPECIFICATIONS FOR THE INSTALLATION OF CONCRETE SIDEWALK

SUB-BASE PREPARATION:

All existing sidewalk, stones, earth, boulders, solid rock and other materials shall be removed to 6" below the sub-base depth. The sub-base shall consist of 6" compacted sand or gravel on a straight grade 4" below the finished grade of the new walk. Any water valves, gas valves, manholes or other utility structures located in the walk shall be adjusted to the finished grade of the new walk. If trees or tree roots protrude into the sub-base or base area, adjustments or corrections may be necessary.

FORMS:

All forms shall be set true to line and grade as determined by the City Engineer, and held rigidly in place. They shall be either of metal or of acceptable planed and matched lumber. **** (See Below)*** and of such construction that there will be no interference to inspection of grade and alignment, and that a smooth, uniform surface will be provided.

***** 2 x 4's and 2 x 6's ARE NOT 4' & 6" wide – Full dimension lumber must be used. *****

CONSTRUCTION DETAILS:

The concrete sidewalks shall be five feet in width, and placed with contraction joints cut every 5 feet of length. Expansion joints 1/2" in thickness shall be located every 25' of length. Where the walk is wider than 5 feet., contraction joints shall be placed every five (5) feet of width.

The concrete sidewalk shall be 4 inches thick with 6 inches of compacted run of bank gravel or sand beneath the sidewalk. The sidewalks shall be 7 inches thick in driveways and all sidewalks shall have a slope of 1/8 inch per foot from the back of the walk toward the street, with the roadside of the walk being at least one inch (1") higher than the top of the curb. The concrete sidewalk shall contain wire mesh, 6x6, 10-10 gauge steel, in all driveways.

Expansion joints shall be placed between sidewalk and curb (if the walk extends to the curb), and the grate at outside shall be flush with the top of curb. (In certain cases the contractor may be requested to replace or construct curbing).

Additional expansion joints may be required near trees. Concrete shall be class B, minimum 28 days compressive strength 3750# with maximum water content of 6 ¼ gallons/sack. Air entrained cement or an air entraining agent shall be used to obtain air entrainment in the range of 4% to 6%.

Walks shall be broom finished, edged with an edging tool, and grooved at construction and construction joints. The concrete shall be cured by either spraying with an approved membrane seal, or by covering it with a waterproof paper or polyethylene covering properly anchored for a period of not less than forty-eight (48) hours.

Barricades shall be provided to prevent pedestrians and vehicles from damaging uncured concrete walk.

No concrete shall be poured in temperatures colder than 45 degrees F nor during precipitation.

RESTORATION OF AREA:

All driveways damaged by the installation of the new walks shall be replaced with material which matches driveway material in place.

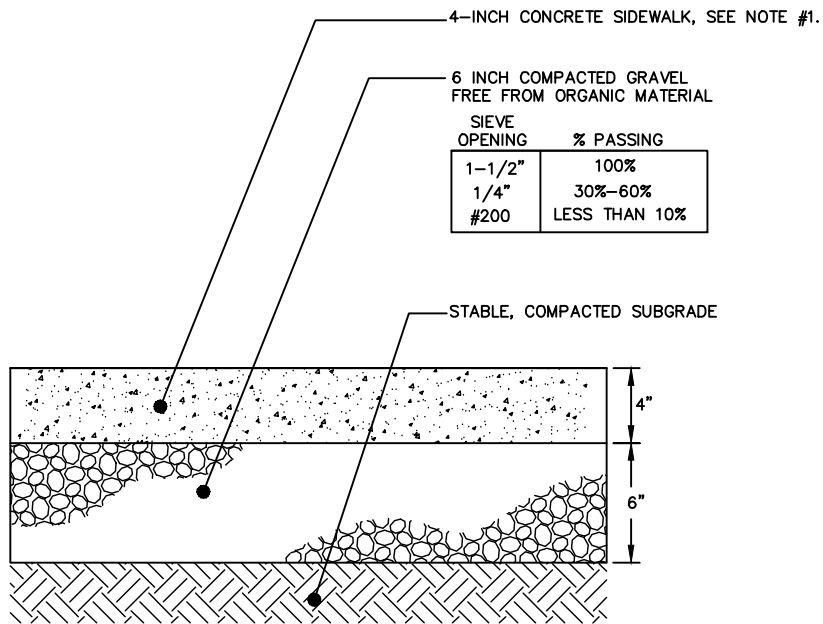
If the grade of the new walk is higher or lower than previous, driveways shall be brought to the grade of the new walk.

Topsoil and seeding must be provided to grade of the new walk.

Any sidewalk, curb, street surface or other city property damaged by the installation of the new walk shall be recurred by the contractor.

The City Engineer reserves the right to request additional work, or refuse to accept work.

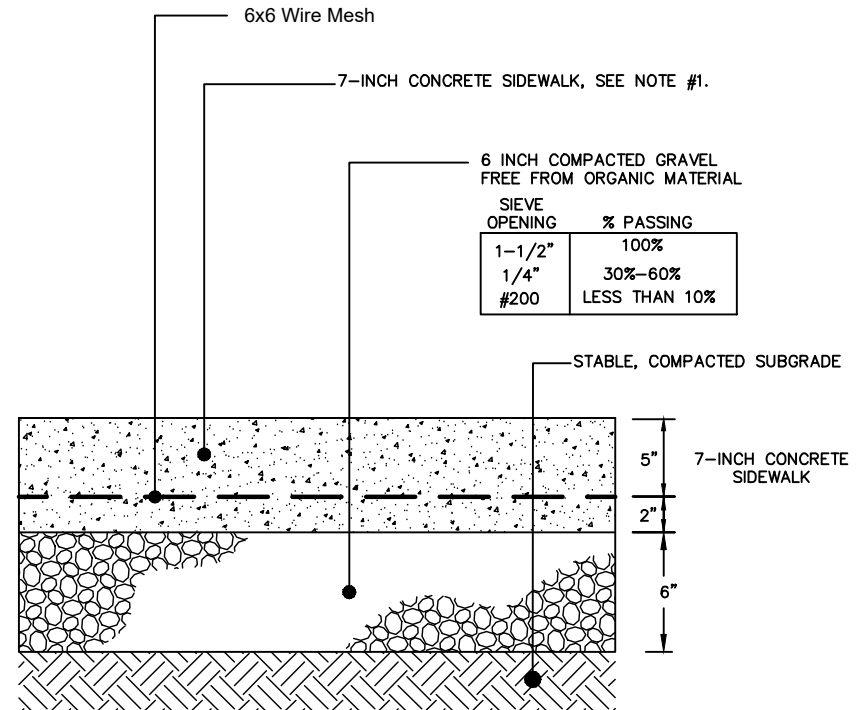
Failure to comply with the above specifications can result in the withholding of reimbursement to the applicant, until the situation is corrected.



NOTES:

1. CONCRETE SHALL BE CLASS B, WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,750 PSI (MIN.)
2. TRANSVERSE EXPANSION JOINTS ($\frac{1}{2}$ - INCH SHALL BE PROVIDED AT 25 FOOT MAXIMUM INTERVALS. EXPANSION JOINTS SHALL BE FILLED WITH MATERIAL TYPES AS PER LATEST NYCDOT SPECIFICATION (CLOSED CELL POLYETHYLENE, PREMOLDED BITUMINOUS, OR APPROVED EQUAL) SCORE LINES SHALL BE EVERY 5 FEET O.C.

① STANDARD CONCRETE SIDEWALK
NTS



NOTES:

- CONCRETE SHALL BE CLASS B, WITH A 28-DAY COMPRESSIVE STRENGTH OF 3,750 PSI (MIN.)

② CONCRETE SIDEWALK DRIVEWAYS
NTS

