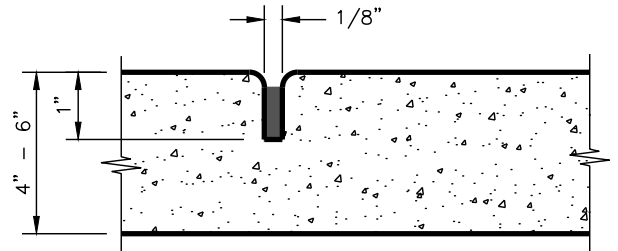


SECTION A-A
TRANSVERSE EXPANSION
JOINT IN SIDEWALK



SECTION B-B
CONTRACTION (GROOVE)
JOINT IN SIDEWALK

NOTES:

1. In addition to complying with Durham standards sidewalks shall conform to NCDOT standards and specifications. In cases where clarifications are needed, the City shall make the determination.
2. Contraction (Groove) joints with 1/8" radius shall be placed at 5 foot intervals and be one inch deep with joint filler.
3. One half inch (1/2") transverse expansion joints shall be placed at intervals no more than 50 feet and shall match expansion/construction joints in adjacent curb.
4. A sealed 1/2" expansion joint is required where the sidewalk abuts buildings or any rigid structure.
5. Joint materials shall limit shrink/swell so post construction installation results in a maximum of 1/4" from flush.
6. Concrete compressive strength shall be 3,000 psi in 28 days.
7. Top 6" of subgrade beneath the sidewalk shall be compacted to 100% Standard Proctor density. The City may require testing at its discretion.
8. Six inch depth is required at all driveways, intersections (PC to PT), at Handicap ramps, and commercially developed or zoned areas.
9. Undercutting of unsuitable subgrade material and/or placement of up to 6 inches of incidental ABC stone may be required to obtain proper bedding.
10. The minimum width of the verge is one foot; otherwise the sidewalk shall abut the back of the curb and be six feet wide and six inches thick.
11. Lids for junction boxes, structures, or utility vaults shall be non-skid, meet NCDOT standards, and be submitted to the City for review and approval prior to installation.
12. Provide a minimum one foot wide flat area at the back of sidewalks before starting any cut or fill slope.

Details Provided by APPIAN Consulting Engineers - www.appianengineers.com



Dept. of Public Works
 101 City Hall Plaza
 Durham, NC 27701

CITY OF DURHAM, NC
 USE WITH THE STANDARD SPECIFICATIONS ONLY

Voice (919) 560-4326

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CONCRETE
SIDEWALKS

SCALE: Not to Scale	DETAIL# 402.02
REVISION DATE: 06/2017	SHEET# 3 of 3