

Construction Plans for Sidewalk Design

General

Sidewalk design and construction within the right of way must comply with ADA and local standards. The Major and Collector Street Plan (MCSP), <http://maps.nashville.gov/mcsp/> determines the width of the sidewalk and grass strip for collector and arterial streets. The Metro Planning Department can be consulted when questions arise concerning those dimensions. Local streets generally will have a 4' grass strip and 5' sidewalk. Sidewalks will typically follow the alignment and running grade of the top of the curb line of the street

Curb and Gutter

Sidewalk construction on existing streets may create the need for drainage improvements if the sidewalk is to be placed over an open ditch. In general curb and gutter is required with sidewalks along with a minimum paved street width of 20'. The curb and gutter serves several purposes when sidewalks are present. It defines the border between vehicular traffic and pedestrian traffic, and creates a vehicular barrier. The gutter carries water from the street, diverting it from the sidewalk and creating a more pleasant pedestrian experience during wet weather. Metro Stormwater will also review plans where new curb and gutter is installed.

Non-Curbed

There may be locations where curb and gutter may not be required if all of the following conditions are met, locations outside of the UZO where the roadside drainage swale is less than one foot in depth, driveways are spaced significantly far apart, adequate right-of-way is available, there is a minimum six foot grass strip, and the design is approved by Metro Public Works and Planning Department. Or if due to a flat sloping running grade and drainage considerations, it is determined that curb and gutter is not feasible. Any application for a non-curbed sidewalk must comply with the Nashville Walk N Bike Plan.

Right-of-way

Where adequate right-of-way is not available, it must be dedicated by plat, or if not platting the property, by instrument through the Planning Department. Instruments should be returned to Public Works for review and approval. Once approved by Public Works then submitted to the Planning Department to be finalized.

Plans not Required

In the event a sidewalk is required on a street with an existing curb and gutter, and the property is mostly level and at the correct grade in the area where the sidewalk (per ST-251) is to be installed, Public Works will review the site in the field and consider waiving construction plans at the request of the developer.

Path of Travel

The path of travel must be clear of vertical obstructions, and have a maximum cross slope of 1:48 (2%). Utilities and plantings should be within the grass strip between the sidewalk and curb, and are generally not allowed within the sidewalk.

Sidewalk Plan Minimum Requirements

Items that must be shown on the plan include the following.

1. Council district number and councilmember name.
2. Owner(s) of record – name address, phone number, and email.
3. If applicable, Subdivision number, SP, or UDO.
4. Building Permit number.
5. Subdivision name with instrument number.
6. Tax Map and Parcel numbers.
7. Addresses of each lot.
8. Plan preparation date and date of each revision.
9. Scale of 1" = 20' with scale bar.
10. Sheet number and total sheet count.
11. Surveyor and/or engineer's name, company name, address, phone number, email, seal and signature on each sheet.
12. Vicinity map.
13. Drawing must be oriented to north.
14. Street right-of-way dedication and instrument number.
15. Building envelopes.
16. All above and below ground features existing and proposed including but not limited to:
17. Driveways
18. Ramps
19. Fire hydrants
20. Utility poles and lines
21. Street lighting
22. Trees and shrubs
23. Utility boxes
24. Walls
25. Street furniture
26. Drainage features such as pipes, headwalls, and ditches.
27. Pavement lines
28. Curb and gutters
29. Handicap ramps
30. Adjacent sidewalks and connection
31. Contours on 1' intervals.
32. Spot elevations in the gutter line every 25' when the roadway running grade is 2% or less and at low point.
33. Side slopes must be 3:1 or flatter.
34. Dimension existing and proposed:
35. Right-of-way and dedications

36. Pavement width
37. Sidewalk and grass strip with dimensions labeled.
38. A detail sheet with Public Works Standard Drawings; ST-200, 210, 251, and as applicable, 322, 324, 320, and 330.

Standard Notes

Sidewalk construction plans must include the following notes:

1. There shall be no vertical obstructions within the sidewalk.
2. The Contractor shall call Public Works for a forms inspection at 615-456-3724 or 615-456-4095, prior to pouring concrete.
3. Sidewalk cross slope shall not exceed 2%.
4. All construction within the right-of-way shall comply with the Americans with Disabilities Act (ADA) in effect at the time activities are performed.