



City of Murfreesboro, TN

## SOLID WASTE COLLECTION

### DESIGN CRITERIA

July 7, 2019

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## Introduction / Amendments to the Manual / Variations from Design Standards

The regulations and standards contained in this manual are intended to provide for adequate and coordinated development with necessary facilities to allow the efficient and effective provision of solid waste removal services by the City.

In the case where any requirement in the City Code or Zoning Ordinance conflicts with any regulation or standard presented in this manual, the City Code or Zoning Ordinance shall control.

Amendments to this manual may be made from time to time by action of the Utility Enterprises Director, after consultation with other City Departments. The Director shall make a reasonable effort to involve industry representatives in any such amendment and shall provide reasonable notice to common users of this manual of its amendment. All amended versions shall be numbered and dated and shall be placed on file in the City Recorder's office.

The Planning Department personnel shall be the implementors of these design guidelines and determine initial approval of curbside solid waste services. The Solid Waste Director shall be consulted in situations that are not straightforward and may require expertise in the capabilities of the solid waste fleet. Commercial, industrial, office general, or multifamily (defined as attached dwellings over 5 units, with common entrances for each building or with units arranged one atop the other in multiple stories, or water master-metered complexes with rental units) developments shall not be eligible for solid waste curbside collection services. Attached residential townhome developments may be considered for solid waste curbside collection service.

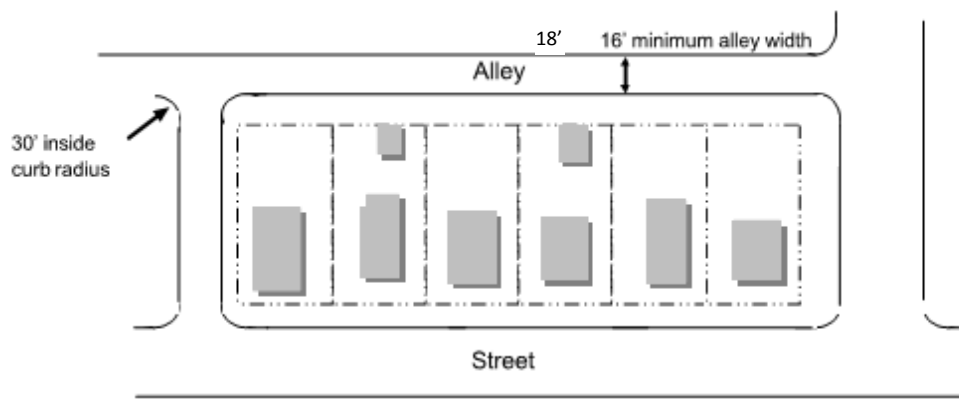
The Utility Enterprises Director, in consultation with other City departments, may allow modification to the design criteria set forth in this manual, subject to approval of the City Manager. Modifications may be necessary to allow for existing conditions or for unusual circumstances. Modifications to design criteria may be allowed provided that an investigation by the Utility Enterprises Director concludes that all of the following criteria can be satisfied:

- 1) The modification to the design criteria is based on sound collection practices and industry standards.
- 2) The modification will not create an unsafe or hazardous situation to occur.

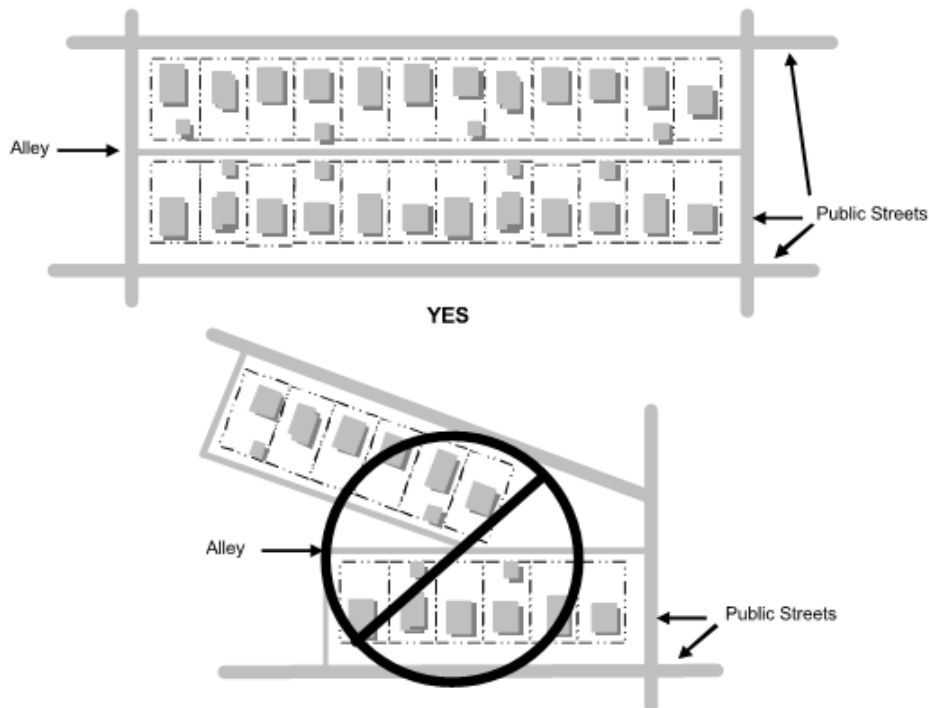
- 3) The modification will be the equivalent of the standard in terms of efficiency of service, functionality, durability, and long-term maintenance.
- 4) The modification to the design criteria will not adversely impact the ability of the City to provide efficient and effective solid waste collection services, nor will it adversely affect adjacent properties.

## Access Standards

Alleys used for solid waste collection vehicles that serve individual residential units must be a min. 18' in width. The 18' minimum width can include the width of ribbon curb installed in conjunction with the alley paving. Inside curb radii must be min. 30'. All alleys to be traversed by solid waste collection vehicles must meet the residential street standard asphalt surface course. Parking in alleys is prohibited to qualify for City-provided solid waste curbside collection services.



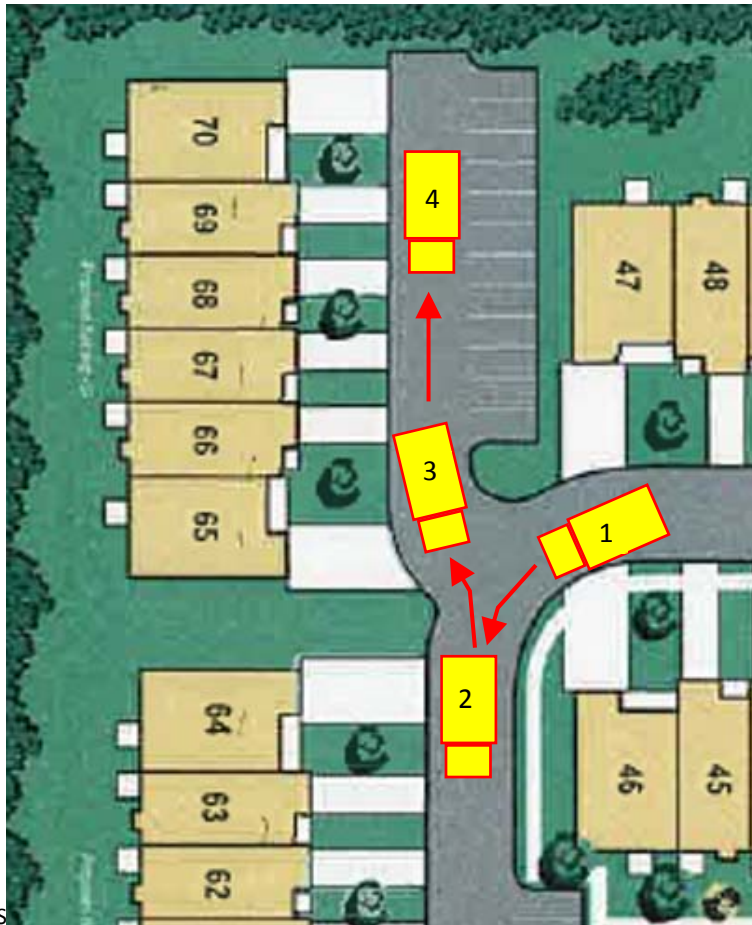
Alleys should extend through a block between public streets and avoid 90-degree or acute angled turns.



Where a rear alley is not provided for solid waste vehicles, direct vehicular access to all small-lot or attached single-family homes (patio home, cluster home or townhome developments) for the purpose of collection of 96-gallon standard City residential solid waste carts must be provided by a design that allows each unit occupant to roll the carts to the public or private street as is normal for residential pick-up (no obstructions or topographical features that would hamper the resident from rolling the cart to the curb – at least 3' horizontal clearance).

No detached single-family dwellings or attached single-family dwellings will be served if the following occurs:

- Surface parking is allowed in front of the dwelling units (see exhibit A).
- The geometric design of public streets or alleys in the development does not meet the engineering department design standards of public streets (see exhibit B).
- A private street or alley does not meet the geometric design and paving schedule approved by the engineering department design standards
- A side-loading solid waste truck is physically unable to reach the 96-gallon City solid waste collection cart from the alley or roadway.
- Attached dwellings over 5 units, with common entrances for each building or with units arranged one atop the other in multiple stories
- A right-hand side-loader collection vehicle (depicted below) has to “back” into a roadway or alley to retrieve a 96-gallon solid waste cart.



### Exhibit A

Example of surface parking areas highlighted in "red" disallowing curbside solid waste collection due to retrieval of 96 gallon carts in front of townhomes not being accessible.



**Exhibit B**

Example of geometric design of access lanes (radii too tight) disqualifying development of not receiving solid waste curbside collection services. Only one ingress/egress point with no turnaround would also disqualify this development.

