

TITLE 18

WATER AND SEWERS<sup>1</sup>

CHAPTER

1. SEPTIC TANK CONSTRUCTION SPECIFICATIONS.

CHAPTER 1

SEPTIC TANK CONSTRUCTION SPECIFICATIONS<sup>2</sup>

SECTION

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18-101. Scope of standard septic tank construction and installation specifications. All new construction of septic tanks and replacement of septic tanks within the Town of Pleasant View shall be made pursuant to this chapter and Town of Pleasant View standard specifications. The chapter and specifications shall be applicable to residential, commercial and industrial use, but shall not be construed so as to deny or minimize the requirements as set forth by the State of Tennessee, and the Department of Environment and Conservation, and this chapter shall be in addition to reference standards. (Ord. #00-10, Aug. 2000)

18-102. Reference standards. The reference standards for septic tank construction and installation shall be pursuant to ASTM standards, C1227-95 standard specification for pre-cast concrete septic tanks and Tennessee

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<sup>1</sup>Municipal code references  
 Building, utility and housing codes: title 12.

<sup>2</sup>A list of approved septic tank manufacturers for the Town of Pleasant View is of record in the office of the city recorder.

Department of Environment and Conservation standards, all of which are incorporated herein by reference. (Ord. #00-10, Aug. 2000)

18-103. Construction standards. Materials utilized shall be septic tanks constructed of reinforced Portland cement concrete and shall be tanks that are cast monolithically, one piece construction with two compartments having discharge through the baffle at mid-depth. Tanks of other materials, such as, polyethylene may be used following approval by the city engineer. (Ord. #00-10, Aug. 2000)

18-104. Installation standards. All septic tanks shall be installed on a clean, smooth base, either undisturbed soil or gravel backfill, without projecting bedrock or stone greater than three inches (3") in diameter and no projecting bedrock or stone greater than three inches (3") in diameter shall be allowed to be in contact with or within four inches (4") of the exterior septic tank surface. All tanks installed shall be inspected by the town's building inspector or by the TDEC representative. Any tank installed in a location that is subject to traffic loads shall be certified by the manufacturer for such installation and must be bedded in a minimum of four inches (4") of graded stone AASHTO size No. 6 or smaller. (Ord. #00-10, Aug. 2000)

18-105. All septic tanks to have effluent filters. A septic tank effluent filter, such as manufactured by Orenco Systems, Inc., or its equivalent, shall be installed on each tank and sized according to the use thereof. All installations of effluent filters shall be in accordance with the manufacturer's instructions and specifications. All installations, other than those installations for single family residential units, shall be inspected and approved by the city engineer, prior to covering with backfill. (Ord. #00-10, Aug. 2000)

18-106. All septic tank connections shall use watertight fittings. All septic tank connections shall use water type pressure fittings. Any and all pipe connections to the septic tanks shall use watertight fittings. (Ord. #00-10, Aug. 2000)

18-107. Septic tank sizing. Septic tanks for residences having two (2) or fewer bedrooms, without garbage disposals, shall have a minimum capacity of one thousand (1,000) gallons. Septic tanks for residences having three (3) or more bedrooms, or with garbage disposals, shall have a minimum capacity of one thousand five hundred (1,500) gallons. Commercial buildings shall have septic tanks sized at 4.5 times the average daily flow. The city engineer shall review and approve all flow projections and sizing of commercial septic tanks. Tanks for restaurants and industrial facilities shall be sized by the city engineer on a per site basis. (Ord. #00-10, Aug. 2000)

18-108. Risers for access openings. Risers for access openings at inlet side and outlet side shall be constructed of high density polyethylene or concrete. Concrete risers shall be used to adjust the finished grade openings to a point approximately six inches (6") below the ground surface. Risers shall be bedded in Portland cement mortar. Riser covers shall have the initial segment cast into the concrete tank. Additional segments shall be added as necessary to adjust the finished grade of the openings flush with the finished grade. Joints between riser segments shall be sealed by elastomeric sealant or by other approved methods. Riser covers shall be securely fixed to the riser body with stainless steel screws. Risers in traffic areas shall be of concrete construction and covers in such traffic areas shall be cast iron certified for traffic loads, flush with the surface and watertight construction. (Ord. #00-10, Aug. 2000)

18-109. Inspection. All inspections for compliance with the provisions of this chapter shall be made prior to the covering with backfill. (Ord. #00-10, Aug. 2000)

18-110. Violation and penalty. It shall be unlawful for any person to violate or fail to comply with any of the provisions of this chapter. The violation of any of the provisions of this chapter shall be punishable by a civil penalty of up to fifty dollars (\$50.00) for each offense. Each day a violation is allowed to continue shall constitute a separate offense. (Ord. #00-10, Aug. 2000, modified)