



Connection to Available Public Sewer Required

No permit may be issued for the construction, alteration, or repair of any private sewage disposal system on any lot for which a connection with a public sewer is now available. Available means abutting or adjoining the property and within 200ft of the building served. Note that sewers at an elevation requiring a private lift pump are still considered to be available. This is per the Kansas City Building and Rehabilitation Code, which has adopted the 2018 Uniform Plumbing Code (§713) and the 2018 International Residential Code (§P2602) as the model plumbing codes. **For information on the availability of public sewers, contact the Water Services Department.**

A plumbing permit to install the portion of a building sewer on private property is required from City Planning and Development (CPD). A permit for the portion of the work in the public right-of-way, including the connection to the public sewer, is required from the Water Services Department (816-513-2174), when a public sewer connection is available. A permit for the restoration of the right-of-way, or for closure of the right-of-way, is required from the Public Works Department (or Parks & Recreation Department if applicable).

Requirements When No Public Sewer is Available

The following information is required to obtain a permit for the installation or replacement of a residential sewage disposal system:

Conventional Septic Tank and Disposal Field Systems

1. A percolation test shall be made by either a licensed plumbing contractor, an engineer registered to practice in the State of Missouri, or a geologist registered to practice in the State of Missouri and submitted with the application for permit. The plumber, engineer, or geologist shall summarize the results of the test and state the required septic tank capacity and area of disposal field to be installed. A soil morphology report may be submitted by a licensed soils morphologist.
If the test results indicate that the percolation rate for any one test is slower than 60 minutes for water to fall 1in, plans for the sewage disposal system shall be prepared and sealed by an engineer registered in the State of Missouri, and the system shall be designed for the specific soil conditions of the lot.
2. A survey or site plan drawn to scale completely dimensioned, showing direction and approximate slope of the lot, location of all present or proposed retaining walls, drainage channels, water supply lines or wells, paved areas or structures on the lot, the house and number of bedrooms in the structure, and location of the sewage disposal system with relation to lot lines and structures shall be submitted with the permit application. Show the 100-year floodplain and one-foot freeboard if applicable. Provide all distances to items as required by the design guide chosen.
3. Details of the construction of the disposal field and layout of the septic tank, distribution box, and lateral field shall be included with the site plan. Details shall also include a cross-section of the lateral field and specifications of the materials of construction, including manufacturers design and installation info for the tank and its size.

Engineered Systems

1. In cases where conventional systems are not desired or practical, the sewage disposal system must be designed by an engineer registered to practice in the State of Missouri. Plans and Specifications for the proposed system, sealed by the engineer, shall be submitted for permit application.
2. The plans and specifications shall include all information related to the design and operation of the system including applicable UL approvals or other listings of other recognized testing agencies and manufacturers installation and operation instructions.

Repair of systems when replacing the tank(s) only

1. A plan review application is not required, but an application for a plumbing permit with a site plan that shows:
 - a. The location of the existing and new tank.
 - b. The applicable design standard which the system conforms to.
 - c. The 100-year floodplain and one-foot freeboard if applicable.
 - d. The number of bedrooms the septic system serves and the size of the tank(s).
 - e. Any setbacks, as required by the applicable design standard which the system conforms to.
 - f. Provide the cutsheets/specifications from the manufacturer of the proposed tank.

All applications for private sewage disposal system permits shall indicate the applicable design standard to which the proposed system conforms. The Kansas City Building & Rehabilitation Code (KCBRC) adopts by reference the 2018 International Private Sewage Disposal Code, but also permits the use of adopted standards of the County in which the system will be installed or the Missouri Laws for On-Site Disposal Systems. The submitted plans will be reviewed according to the referenced design standard. Permits will be available for issuance once the plans are approved.

The private sewage disposal system plans may be submitted to the parent plan case (CRBR) or as a separate plan application under a "Residential Miscellaneous Structures" plan case type.



Residential Miscellaneous Structures

Apply

Category Name:
Building - Residential
Application

Description:
Construct an accessory structure (other than an enclosed building) to a residential building. For example, a swimming pool, retaining wall, solar panel support structure, open deck, residential septic system, etc. Apartment buildings are considered commercial development and must use commercial plan and permit applications (Note: A covered or enclosed deck is considered a Building Addition; select the applicable addition application in CompassKC). See Information Bulletin #100 at <https://www.kcmo.gov/IB> for complete application information.

Issuance of Plumbing Permits

Permits for the installation of a private sewage disposal system are subject to KCMO ordinance requirements for installation by a licensed plumbing contractor.