



UTILITY SYSTEM EXTENSIONS

Town of Mooresville
Engineering Department
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Extensions Requiring Permit

Water:

At a minimum, projects containing any of the following require a Water System Extension Permit prior to construction:

- Any pipe that has a tap made off of it (for potable or non-potable use)
- Fire Hydrants
- Any pipes 2 inches in diameter or greater that is not a service line

Sewer:

At a minimum, projects containing any of the following require a Sewer System Extension Permit prior to construction:

- Gravity Sewers
- Pump Stations
- Force Mains
- Any situations as shown on the attached Figure

Other projects may require a Water or Sewer System Extension Permit depending on the complexity or proposed function of the water system extension, at the discretion of the Engineering Manager. Note that the Town is not authorized to permit low pressure sewer systems.

Application Package Requirements

The following items are required to be submitted for a sewer extension or water extension application package to be considered complete:

- Completed application (*note that applications shall be included on the first sheet of the plans*)
- Required Application Fee(s)
- One set of Design Calculations per 15A NCAC 18C.0307(b) (water) and/or 15A NCAC 2T.0144 (sewer)
- Completed Construction Plans under seal and signature of a Professional Engineer licensed in North Carolina: Upload the Construction Plans in PDF format to the IDT project folder assigned to the development.

Application Fee

The charges for issuance of a Water or Sewer System Extension Permit are as follows (cost is per each application):

Base Fee plus approval: \$150

Notes:

1. The fee is not refundable if the plans are not approved or are voluntarily withdrawn.
2. Revisions to plans to address Town review comments or other state agency's comments do not incur an additional fee.
3. Review fee of infrastructure shall be paid prior to plan approval.

Building Sewer Definitions - 15A NCAC 2H .0203

"Building" - Any structure or part of a structure built for the separate shelter or enclosure of persons, animals, chattels, or property of any kind and which has enclosing walls for at least 50 percent of its perimeter. Each unit separated from other units by a four hour fire wall shall be considered as a separate building.

"Building Drain" - That part of the lowest piping of a drainage system which receives waste from inside the building and conveys it to the building sewer which begins 10 feet outside the building wall.

"Building Sewer" - That part of the horizontal piping of a drainage system which receives the discharge from a single building drain and conveys it directly to a public sewer, private sewer, or on-site sewage disposal system. Pipelines or conduits, pumping stations and appliances appurtenant thereto will not be considered to be building sewers if they traverse adjoining property under separate ownership or travel along any highway right of way.

Permitting by Regulation - 15A NCAC 2H .0217(a)(3)

Any building sewer documented by the local building inspector to be in compliance with the NC State Plumbing Code is deemed to be permitted pursuant to GS 143-215.1(d) and it shall not be necessary for the Division to issue individual permits for the construction or operation of such.

Explanation of Permitting Scenarios

- ① A single building has more than two building drains that join beyond 10 feet outside the building wall. A permit from the Division is necessary from the point the two drains join as this is no longer considered a building sewer (because the line now serves more than one building drain).
- ② Two separate buildings each has a single building drain that join together. A permit from the Division is necessary from the point the two drains join as this is no longer a building sewer (because the line serves more than one building). This is similar to Scenario 1 with a different configuration.
- ③ A single structure is separated by a four hour fire-wall. It is now considered two separate buildings according to 15A NCAC 2H .0203. A permit from the Division is necessary from the point at which the two building drains join together because the line now serves more than one building and can not be considered a building sewer.
- ④ A single structure is separated by a four hour fire-wall. It is now considered two separate buildings according to 15A NCAC 2H .0203. A permit from the Division is necessary from the point at which the two building drains join together, even if it is within the 10 foot boundary of the building. This is similar to Scenario 3 with a different configuration.
- ⑤ A single building has multiple building drains. If all the drains connect within the 10 foot boundary of the building wall into one building sewer leaving the building, an individual permit from the Division is not necessary (must be approved by the local building inspector). However, an individual permit from the Division is necessary where a single building has multiple building sewers connected into one sewer line outside of the 10 foot building boundary.
- ⑥ A permit from the Division is necessary for this single building sewer because it traverses over adjoining property.
- ⑦ A permit from the Division is necessary for this single building sewer because it travels along a highway right of way. The Division interprets this definition for sewer lines traveling along any right of way (street, road, highway, etc.).