

*County of Spotsylvania
Founded 1721*

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Service, Integrity, Pride

Date: June 1, 2018

To: Developers, Builders, Engineers, and Contractors

From: Benjamin L. Loveday, P.E., Deputy Director of Utilities/Public Works

Re: Regulatory Reminder

The Spotsylvania County Utilities Department would like to remind the development community of several key documents and regulatory guidelines that govern the design and installation of water and sanitary sewer utilities. The following is a non-exclusive list of mandatory provisions.

Spotsylvania County Water and Sewer Design and Construction Standards Manual

The Spotsylvania County Water and Sewer Design and Construction Standards Manual has been prepared to establish the guidelines and technical requirements for water and sanitary sewer infrastructure in Spotsylvania County, Virginia. Designs shall be in accordance with the latest edition of the Virginia Waterworks Regulations, Sewage Collection and Treatment Regulations (SCAT), and any other Local, State, or Federal agencies having jurisdiction including the requirements of the Code of Spotsylvania County as they pertain to water and sanitary sewerage systems. Where conflicts exist among these documents, the more stringent requirements, as solely determined by the Spotsylvania County Utilities Department, shall apply. Nothing herein shall be deemed to waive requirements of any existing law and/or regulation.

Please note some key compliance features of the document:

- Construction standards as approved by the Spotsylvania County Board of Supervisors will be strictly enforced.

- Construction of water and sewer utilities shall not commence until the Planning Department has given final approval to all elements of a subdivision/site plan and a mandatory preconstruction meeting with the Spotsylvania County Utilities Department is held.
- Compaction testing and observation is required on all backfill. Compaction reports shall be provided to Spotsylvania County Utilities Department within seventy-two hours of completion. The Contractor is responsible for scheduling and compliance with the established testing parameters.
- Vacuum testing of all sanitary sewer manholes is required.
- Pressure testing of all sanitary sewer mains is required.
- Hydrostatic and bacteriological tests are required on new water main installations and tie-ins.
- Soil testing is required prior to installation of ductile iron pipe to determine if poly wrap encasement is required.
- Applicants are encouraged to bring the following items with them to preconstruction to expedite the process:
 - Soil testing results for ductile iron pipe encasement
 - Material and shop drawing submittals
 - Identification of the third party geotechnical firm for soil compaction
 - DEQ CTC if required

12VAC 5-590 Virginia Waterworks Regulations

12VAC 5-590 and following establish the minimum state requirements for all public drinking water systems. The Spotsylvania County Utilities Department has been delegated authority by the Virginia Department of Health to maintain a Local Review Program for 16" and smaller water mains. Water mains larger than 16", pumping stations, water tanks, etc., must be submitted to the Virginia Department of Health by the Engineer of Record after review by the Spotsylvania County Utilities Department.

9VAC 25-790 Sewage Collection and Treatment Regulations

9VAC 25-790 and following establish the minimum state requirements for all sewage collection and treatment systems. The Spotsylvania County Utilities Department has been delegated authority by the Virginia Department of Environmental Quality (DEQ) to maintain a Local Review Program for sanitary sewer systems 12" and smaller and pump stations with 2,000 gallons per day capacity or less. All other sanitary sewer infrastructure design must be

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submitted to the Virginia Department of Environmental Quality by the Engineer of Record after review by the Spotsylvania County Utilities Department. The Engineer of Record shall obtain a Certificate to Construct (CTC) and Certificate to Operate (CTO) from DEQ as part of the local approval and acceptance process.

If you have specific questions or concerns, please contact the Spotsylvania County Utilities Department at utilities@spotsylvania.va.us.