

A. Introduction

1. Purpose

The purpose of this publication is to state:

- a. The standards and specifications applicable to the planning, design, and construction of all public or intended to be public water and sanitary sewer utilities and/or the connection to any public water and sanitary sewer utilities within Augusta County, Virginia (“Standards”).
- b. These Standards have been developed for Professional Service Firms and Construction Contractors to use and reference for the design, implementation, installation and construction of any water and sanitary sewer utility project intended for public use within Augusta County. These Standards do not constitute regulations, but will be applied by the Augusta County Service Authority (“Authority”) in its review and approval of all water and sanitary sewer utility projects intended for public purposes to establish and maintain to the greatest extent possible uniformity in design drawings and specifications, implementation of materials and equipment, and installation and construction.

2. Authority

- a. The work described herein is under the jurisdiction of the Authority.
- b. These Standards, adopted by the Authority in accordance with the Code of Augusta County, Virginia, and the Virginia Water and Waste Authorities Act (Virginia Code §§ 15.2-5100, *et seq.*), are applicable to all water and sanitary sewerage facilities under or which will be under the jurisdiction of the Authority. The Standards shall apply only to construction of new facilities, repairs to or replacements or modification of existing facilities, and other construction affecting existing facilities.
- c. All Professional Services Firms and Construction Contractors designing, implementing, installing or constructing water and sanitary sewer utility projects must satisfy all minimum requirements imposed by State and Federal laws, regulations, orders and directives applicable to any particular project. In the event that any standard or specification in these Standards differs from any applicable State or Federal requirement, the more restrictive standard or specification shall be utilized.
- d. Virginia Department of Health (VDH) review and approval for, booster stations, storage facilities, and water lines larger than 16 inches in diameter is required by applicable provisions of the Waterworks Regulations, in addition to the review and approval required by the Authority. For gravity sewer projects with average day design flows over 40,000 gpd, pump stations/force mains to gravity sewers with average day design flows >2000 gpd, pump stations/force main to pressurized systems, and vacuum systems a Certificate to Construct (CTC) and Certificates to Operate (CTO) must be obtained from the Virginia Department of Environmental Quality (DEQ), in addition to the review and approval required by the Authority.
- e. In addition, these Standards, are applicable to certain privately-owned and maintained water and sewer mains and sub-mains located on private property, which mains and sub-mains connect to or are intended to connect to public water and sanitary sewerage facilities under the control of the Authority. Improper design, construction, and operation of such privately-owned and maintained facilities have the potential (a) to

result in violations, chargeable to the Authority, of permits and applicable laws administered by the Commonwealth of Virginia, related to the proper operation of its treatment facilities, (b) to prevent or impede the ability of the Authority to serve existing and future customers, and (c) to create avoidable and extraneous demands on the facilities of the Authority, which demands would, in turn, result in a loss of economic efficiency in the provision of services to its customers. Based on the foregoing findings, and pursuant to authority under Virginia Code §§ 15.2-5114(2) and § 15.2-5137(A), these Standards and associated rules and regulations appended to these Standards also apply to certain privately-owned and maintained water and sewer mains and sub-mains located on private property, which mains and sub-mains are connected to or are intended to be connected to public water and sewerage facilities under the control of the Authority. Such facilities on private property shall remain privately-owned and maintained, but shall be designed, installed, constructed, inspected, and operated in accordance with these Standards, associated rules and regulations, and Authority policies.

As with facilities under or which will be under the jurisdiction of the Authority, these Standards shall apply only to those facilities on private property which are newly constructed, which are repaired, replaced or modified, or are affected by other construction on such private property.

3. Contact

- a. Inquiries for information or clarification of any item enclosed in this document should be directed to the Director of Engineering, Augusta County Service Authority, P. O. Box 859, Verona, VA 24482, 540-245-5670.
- b. Additional information can be obtained on the ACSA website: www.acsawater.com

4. Plan Submittal Process

a. General

All plans, except Interim Record Drawings, are to be submitted to the Augusta County Community Development Department in accordance with its applicable procedures and the latest version of these Standards. Additional Authority requirements for plan submittals and Interim Record Drawing standards are listed in the Authority's Operating Procedures and Policy Manual (OPPM) *Policy 10.6 - Plan Review and Project Acceptance for Water and Sewer Services* found on the Authority's website.

Packages submitted to the Community Development Department shall include the Augusta County Submittal Checklist located at <https://www.co.augusta.va.us/government/community-development> and any other applicable items as indicated by the Submittal Checklist, including the Authority's Application for Plan Review form.

b. AUGUSTA COUNTY SERVICE AUTHORITY REQUIREMENTS

Review of the plans will not commence until all necessary items in the checklist have been received by the Authority. If a submittal package is incomplete, the Professional Services Firm will be notified that it will not be reviewed until a complete submittal package is received by the Authority.

All engineering plan review fees, inspection fees, reserve capacity fees (if applicable) and disruption of service fees (if applicable) must be paid prior to plan approval.

Plans shall adhere to the Authority's Approved Products List, which can be found on the Authority's website at www.acsawater.com/standards.

If a plan is not approved, subsequent plans must be submitted to the Community Development Department, following the same procedures as with the initial plan submittal.

Projects requiring VDH and/or DEQ authorization in accordance with A.2.d above shall be submitted to these agencies after Authority review and approval. Copies of the completed applications for permits from other privately owned public utility providers, railroads, applicable environmental agencies, shall be provided to the Authority at the time of plan submittal. The Professional Services Firm or Construction Contractor shall also coordinate design and placement with any existing easement restrictions and agreements required by the utility companies. New agreements/permits regarding shared easement areas or installation shall be reviewed and approved by the Authority prior to plan approval.

When applicable and allowed by the railroad, any fees related to the permit shall be a one-time payment fee.

For information regarding application for water or sewer service, additional plan submittal and review requirements, reserved capacity, acceptance of new construction, and other policies, please see the Authority's OPPM, latest edition. This manual may be reviewed at the Authority's offices, or viewed on-line at www.acsawater.com.

c. FEES REQUIRED FOR AUTHORITY APPROVAL

The current Fee Schedule is available at www.acsawater.com.