

**Caroline County
Board of Supervisors Agenda
Executive Summary**

Meeting Date: June 9, 2020

Title: Consent Agenda – Approval of Proposed Updates to Caroline County Utility Design Standards

(Check Mark)

<input checked="" type="checkbox"/> Consent	<input type="checkbox"/> Closed Meeting
<input checked="" type="checkbox"/> Action	<input type="checkbox"/> Public Hearing
<input type="checkbox"/> No Action (Information Only)	<input type="checkbox"/> Ordinance
<input type="checkbox"/> Resolution	<input type="checkbox"/> PowerPoint Presentation

Summary: As indicated in the attached memorandum from Director of Public Works/Utilities Joseph Schiebel, updates are needed to the Caroline County Utility Design Standards based on a recently completed review by the Virginia Department of Health. The standards allow the County to review and approve waterline extensions at the local level. The recommended changes are itemized in Mr. Schiebel's memorandum.

Budget Impact: N/A

Action(s) Requested of Board of Supervisors: Approve updates to utility design standards as proposed

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MEMORANDUM

To: Charles M. Culley Jr.
County Administrator

From: Joseph C. Schiebel
Director of Public Works/Utilities

Date: June 2, 2020

Caroline County, VA



SUBJECT: Proposed Updates to the Caroline County Utility Design Standards to Meet VDH Approval

The Caroline County Standards Specifications and Details for Construction of Water and Sewer Lines and Related Work were last adopted by the Board of Supervisors in February 2017. This document provides as a resource for engineering professionals to use during the design and construction phase of water and wastewater projects in Caroline County.

These technical resources were submitted to the Virginia Department of Health (VDH) in June of 2017 for their review and approval. These design standards are in place so that Caroline County can maintain the review and local approval of waterline extensions within Caroline County.

VDH has completed their review and has asked for the following changes:

- Add on the Cover of Volume I and II, the owner, engineer, and the date.
- Add a note to section 2.1.A and 4.2.07 - PVC water mains to be installed in accordance with AWWA
- Change the AWWA reference in section 3.17 A and G to the most current standard, "AWWA C651."

- In section 4.2.07 B, add a note that indicates when air releases are recommended. "High Points, significant grade changes, long runs, and upgrade of blowoffs & drains."
- On drawing 103, add a note to clearly specify, "Water mains will be provided with adequate support and continuous bedding, as required by 12VAC5-590.1140."
- On drawing 104, add a note, "The valve discharge will be downward facing and screened."
- Add to section 4.2.06 underwater crossing "Rip Rap or concrete shall be provided for adequate cover for the protection of the pipe."

Staff agrees with the above changes and therefore recommends that the Board of Supervisors approve the addition of the above language to the appropriate section of the Caroline County Design Standards.