

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

Meeting Date: February 9, 2021

Title: Unfinished Business – Further Discussion of Improvements to Sewer Capacity of Ladysmith Service Area

(Check Mark)

Consent

Action

No Action (Information Only)

Resolution

Closed Meeting

Public Hearing

Ordinance

PowerPoint Presentation

Background: Herb White of WW Associates, the County’s wastewater engineering consultant, will make a PowerPoint presentation at the February 9 Board meeting with additional information about needed improvements to increase the sewer capacity in the Ladysmith Service Area. Additional information is included in the attached memorandum from Director of Public Works/Utilities Joseph Schiebel.

Overall Budget Impact: The projected cost of the proposed improvements will be covered during Mr. White’s presentation and during the Davenport & Associates presentation earlier in the Board meeting.

Requested Action(s) of Board: Discuss and direct staff

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MEMORANDUM

TO: Charles M. Culley, Jr.
County Administrator

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

DATE: February 3, 2021

Regarding: **Ladysmith Service Area Sewer Project**

The Board of Supervisors at their December meeting asked for additional information as it relates to the sewer capacity in the Ladysmith Service Area. Staff has been working with our engineers to develop a plan to provide additional sewer capacity, projected cost and timing of projects.

We have developed a two phase approach. Phase 1 would include upgrading the South River Sewer Pump Station (no force-main work) and the installation of the Polecat Creek Interceptor. This would provide an additional 1,000 Equivalent Residential Connections (ERC) to the Ladysmith Service Area. Note the Ladysmith Service Area does not include the Pendleton Subdivision.

The Polecat Creek Interceptor is required to handle the additional flow from both the Ladysmith Service Area (South River Pump Station) and the Pendleton Service Area (Pendleton Pump Station) flow. The Polecat Creek Interceptor will provide 15,514 ERC and will run from the VDOT Rest Area to the WWTP.

Phase II would provide for the installation of a 12" force-main from the previously upgraded South River Pump Station to the 12 sanitary sewer along I-95. Additionally this 12" sanitary sewer line would have to be upgraded from a 12" to a 24" main. This upgrade is located between Ladysmith (Ladysmith Road & I-95) to the Pendleton connection point (Good Earth Property). Also, the sanitary sewer

from Pendleton connection point to the VDOT Rest Area would have to be upgrade from a 12" to a 30" sanitary sewer.

Phase II would provide 4,289 ERC to the Ladysmith Service Area, 4,500 ERC to the Pendleton Service Area and 15,514 ERC at the connection point of Pendleton at the 30" sanitary sewer to the WWTP.

Mr. Herb White, President of WW Associates will present a power point providing additional information of the proposed upgrades and the project cost.