

# WIEDEMAN AND SINGLETON, INC.

CIVIL AND ENVIRONMENTAL ENGINEERS

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November 9, 2022

Mr. Sidney Forsyth  
Director Water Department  
Water Department  
City of Cartersville  
P.O. Box 1390  
Cartersville, GA 30120

Re: City of Cartersville  
WTP Expansion Options  
027-22-310

Dear Mr. Forsyth:

We appreciate the opportunity to provide a proposal for engineering services for Options to Expand the Treatment Capacity of the Water Plant.

## ▪ Project Understanding and Background

The Walker Water Treatment Plant (WTP) treats raw water withdrawn from Lake Allatoona and supplies it to the City of Cartersville and parts of Bartow County. The WTP is currently permitted to operate at 27 MGD with a filter loading rate of 6 gpm/ft<sup>2</sup>. Although the capacity of the plant is rated at 27 MGD (18,750 gpm), the plant has never operated near this capacity. A capacity verification study was conducted in 2018, and it was determined that there was significant difference between the peak capacity, and the continuous operating capacity of the plant.

**Table 1 – Unit Process Rating**

<b>Unit Process</b>	<b>Peak Rating</b>	<b>Continuous (24 Hour) Rating</b>
<b>Filters</b>	27 MGD	23.4 MGD
<b>Filters (1 O/S)</b>	24 MGD	20.8 MGD
<b>Sedimentation Tanks</b>	25 MGD	25 MGD
<b>Sedimentation Tanks (Largest O/S)</b>	20.5 MGD	20.5 MGD

▪ **Scope of Services**

The scope of services presented is for Design Options Assessment to expand the WTP to a continuous production rate of 27 MGD. The Design Options Assessment will be delivered as a technical memorandum and will be used as the basis for developing a Design Development Report to expand the plant. The assessment will include a preliminary opinion of cost. We anticipate a great deal of City involvement in the assessment process.

▪ **Fee**

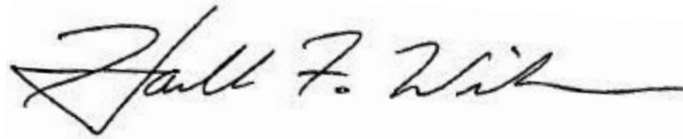
Our proposed not to exceed fee for engineering services, including allowable reimbursable expenses for Task 1 – Facility Assessment is \$20,000. Our budgeted fee will be invoiced to the city under the terms of our current agreement with the City. We look forward to the opportunity to work for the City of Cartersville.

▪ **Schedule**

We will complete the Options Assessment by the end of January 2023.

Sincerely,

WIEDEMAN AND SINGLETON, INC.

A handwritten signature in black ink, appearing to read "Harold F. Wiedeman". The signature is written in a cursive style with a large initial "H" and a long horizontal stroke at the end.

Harold F. Wiedeman  
President

EMAIL ONLY