



Carter & Sloope
CONSULTING ENGINEERS

February 16, 2021

Honorable Bill Slaughter, Chairman
Lowndes County Board of Commissioners
327 N. Ashley Street
3rd Floor
Valdosta, GA 31601

RE: Lowndes County, Georgia
Letter Agreement- OPB-ARPA Award
Wastewater Treatment Plant Improvements (Phase 1 and 2)
C&S File No.: L8400.069 (Invoice File)

Dear Chairman Slaughter:

Carter & Sloope, Inc. (C&S or Engineer) is pleased to submit this Proposal/Scope of Services letter for the above referenced project to provide engineering services to the Lowndes County Board of Commissioners (Client or Owner) for preliminary engineering, assistance with funding applications, engineering design, permitting and bidding assistance, and construction phase services including general administration of construction contract for the proposed Wastewater Treatment Plant Improvements (Phase 1 and 2) Project. The scope of services described below is based on our understanding of the project from discussions and emails with the County throughout the past several years.

Scope of Work (Basic Services)

1. Preliminary Engineering / Funding Assistance

C&S will meet with the Lowndes County Board of Commissioners to discuss and define the scope and boundaries of the project. Other preliminary work may include developing conceptual plans and preliminary opinions of probable project costs and all work prior to developing the scope of work. C&S will advise the Lowndes County Board of Commissioners of any need for them to provide data or services which are not part of Engineer's Basic Services.

Our understanding of the Scope of Work includes the following:

The primary scope of the project at the LAS would include modifications to the treatment process and the expansion of the existing sprayfields. Treatment modifications will be implemented by either retrofitting existing structures or constructing new structures to improve nitrogen removal and BOD removal. To achieve the expansion of the LAS, additional fields will be constructed with sprinklers that will apply treated wastewater for discharge. These fields will be planted with Bermuda grass (summer) and Ryegrass (winter) to maintain continual uptake of the treated wastewater. To supply the treated wastewater to this fields, the existing force main must be extended to provide the effluent. Also, a new pump must be added at the existing irrigation pump station to promote consistent pumping to all the fields at the LAS. The current permit limit for the LAS is set at 2.0 MGD of flow. The expansion will allow the LAS to ultimately treat 3.0 MGD of flow, giving the permit ample room to meet the