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September 13, 2022

Steve Stalvey, Utilities Director
Lowndes County Utility Department
c/o Jared Wozny, P.E.
Carter & Sloope, Inc.
6310 Peake Road
Macon, Georgia 31210

Subject: South Lowndes County Land Application System Study and Expansion Assessment, 5398 Grassy Pond Road, Lake Park, Lowndes County, Georgia. Proposal No. 16-124-2022.

Dear Steve,

Nutter & Associates, Inc. (NAI) is pleased to provide the Lowndes County Utility Department this proposal for conducting a review of the suitability of the proposed expansion area and non-mechanical aspects of the South Lowndes land application system (LAS). The scope of work addresses:

- Phase I - Desktop study of additional land tract north of U1 & capacity estimate
- Phase II - Ground Truthing of additional land tract north of U1 & revised capacity estimate
- Volumetric change analysis of the wastewater holding pond
- Groundwater nitrate fate and transport modeling
- Offsite nitrate source screening study

Task 1. Phase I - Desktop study of additional land tract north of U1 & capacity estimate

NAI will conduct a desktop evaluation of the county owned land adjacent to the existing LAS using Geographic Information System (GIS) software and a review of published literature of the soils and hydrogeologic resources of Lowndes County. GIS software will be used to evaluate the