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April 16, 2019

Stephanie Brixey
Deputy Director / POTW Director
Durham County
5926 Highway 55 East
Durham, North Carolina 27713

Re: Stirrup Iron Creek Lift Station – Generator Replacement

Dear Ms. Brixey:

FNI recently completed the design of the Stirrup Iron Creek Lift Station (SICLS) Capacity Improvements (IFB 18-029). The construction contract for the project has been awarded. Subsequent to the current project, County operations staff has determined a need to replace the existing standby generator at the SICLS. County staff requested that FNI evaluate the requirements for the generator replacement. As part of the investigation, FNI is recommending that the Automatic Transfer Switch (ATS) also be replaced. This is a critical component that is required for proper functionality of the standby generator. The electrical modifications included in the recently awarded project will also require multiple power shutdowns as well as cable replacement up to and connecting to the ATS. Future installation of a new ATS as part of the generator replacement will require power shutdowns as well as replacement of the cables being installed as part of the ongoing project. Further, it is likely that due to building permitting requirements, bidding the generator as a separate standalone project may delay or postpone installation of the generator as this would require similar electrical permits at the same facility simultaneously. In order to eliminate duplication of effort, additional unnecessary costs and expedite the needed replacement of the equipment, we request consideration to add the replacement of the existing generator and ATS to the ongoing project as a change order. The current contract price is \$815,709 and it is anticipated that the change order cost will be approximately \$205,000 based on input from the Contractor. Should you have any questions or need additional information, please do not hesitate to contact me.

Sincerely,


Bryan C. Jann, P.E.
Vice President / Principal