

DIEHL & PHILLIPS, P.A.

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October 31, 2023

Ms. Kimberly Tyson
Chatham County Planning Department
P.O. Box 54
Pittsboro, NC 27312

Re: Water Supply and Wastewater Treatment Capacity for Section X Area F-Currituck
Farrington P.U.D

Dear Ms. Tyson:

Water supply for Section X Area F - Currituck is available from the Chatham County water system through existing water agreements between the County and Fitch Creations, Inc.

The current situation at the Farrington WWTP can be summarized as follows:

WWTP Average Daily Flow	0.150 mgd *
Permitted Flow not yet Tributary**	<u>0.05615 mgd</u>
Total Current Permitted Flow	0.20615 mgd

Total flow for Sec. X Area F (7 units) 0.00175 mgd

Current Permitted Flow including Section X Area F 0.2079 mgd***

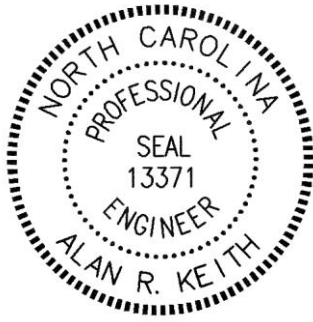
Total Constructed WWTP Capacity	0.270 mgd
Total Permit Capacity	0.500 mgd

The Farrington WWTP currently has capacity to serve Section X Area F at Farrington (1,750 gallons per day). The existing collection system has capacity to serve the proposed project. Farrington Utilities, LLC is currently completing an upgrade to the wastewater treatment plant.

* mgd = million gallons per day.

** The permit flow was reconciled August 5, 2014

***The State has granted a flow reduction to Fitch Creations at 250 gallons per day/unit



Sincerely,

Diehl & Phillips, P.A.

A handwritten signature in black ink, appearing to read "Alan R. Keith".

10/31/23

Alan R. Keith, P.E.

Cc: R.B. Fitch
Greg Fitch
Robert Harrison
John Phillips