

DIEHL & PHILLIPS, P.A.

CONSULTING ENGINEERS
1500 Piney Plains Road Suite 200
Cary, North Carolina 27518
Telephone (919) 467-9972

WILLIAM C. DIEHL, P.E.
JOHN F. PHILLIPS, P.E.
ALAN R. KEITH, P.E.

December 14, 2022

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

Re: Wastewater Treatment Capacity for Granville Subdivision
Served by Fearington Utilities

Dear Ms. Tyson:

Wastewater treatment for Granville Subdivision will be provided by Fearington Utilities, LLC. The sewer collection mains for Granville will discharge into the Fearington mains on Tyrrell. The collection mains and pump station in Fearington receiving wastewater from Granville have sufficient capacity to serve Granville.

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

WWTP Average Daily Flow	0.150 mgd *
Permitted Flow not yet Tributary**	<u>0.0552 mgd</u>
Total Current Permitted Flow	0.2052 mgd
Total flow for Granville Subdivision (43 units)	0.0108 mgd

Current Permitted Flow including Granville 0.2160 mgd***

Total Constructed WWTP Capacity	0.270 mgd
Total Permit Capacity	0.500 mgd

The Fearington WWTP currently has capacity to serve Granville Subdivision (10,750 gallons per day). The existing collection system has capacity to serve the proposed project. Fearington Utilities, LLC. has Authorization to Construct modifications to the wastewater treatment plant from the North Carolina Division of Environmental Quality.

* mgd = million gallons per day – current flow meter estimate calibration is ongoing

** 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".

12/14/22

Alan R. Keith, P.E.

Cc: R.B. Fitch
Greg Fitch
Dan Sears
John Phillips