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February 7, 2012

Ms. Lynn Richardson
Chatham County Planning Department
P.O. Box 54
Pittsboro, NC 27312

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

Dear Ms. Richardson:

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

The situation regarding wastewater treatment capacity at the Farrington WWTP* can be summarized as follows:

<u>Project Tributary to WWTP</u>	<u>No. Units</u>
P.U.D. Approved Units (includes Galloway Ridge and Section X)	1,602
Units on Septic Tanks (Phase 1-3)	(209)
Farrington Woods 1 & 2	111
Whitaker Ridge	11
Henderson Place	45
Total Units tributary to WWTP	1,560

Total Flow Required by NC DWQ** permitting = 1560 units x 250 gpd/unit = 390,000 gpd
Additional Flow Estimate for Village Center = 20,000 gpd

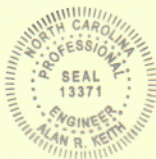
Total Buildout Flow per DWQ =	410,000 gallons per day
Total Existing Constructed WWTP Capacity	270,000 gallons per day
Total Permit Capacity	500,000 gallons per day

* Wastewater treatment plant

** North Carolina Division of Water Quality

The Fearrington WWTP currently has existing constructed capacity to serve Section X Phases 1 and 2 at Fearrington (10,250 gallons per day). The existing collection system has capacity to serve the entire Section X project. It should be noted that Fearrington monitors wastewater flow constantly at the WWTP. The current WWTP daily flow is approximately 165,000 gallons per day. The NC DWQ rules require the plant to be expanded when the average daily flow exceeds 243,000 gallons per day (90% of the current plant's rated capacity). Fearrington has documented to NC DWQ that actual flow from constructed units is less than the 250 gpd per unit permitting requirement. Therefore, the above total buildout flow of 410,000 gpd may be slightly conservative.

Fitch Creations, Inc. currently has Authorization to Construct an expansion to the wastewater treatment plant from the North Carolina Division of Water Quality. Fitch Creations will expand the Fearrington WWTP as needed to provide adequate treatment capacity for Fearrington until buildout, and as required to comply with NC DWQ rules.



Sincerely,

Diehl & Phillips, P.A.

A handwritten signature in dark ink, appearing to read "Ch RKA", written over the printed name of Alan R. Keith.

Alan R. Keith, P.E.

Cc: R.B. Fitch
Robert Flynn
Dan Sears
John Phillips