



JOHN W. HARRIS, P. E.

CONSULTING ENGINEER, Inc.
7909 Ocoee Court
RALEIGH, N. C. 27612

Telephone (919) 789-0744

18, June 2007

Ms. Lynn Richardson
Land Use Administrator
Chatham County Planning Department
P.O. Box 54
Pittsboro, N.C. 27311

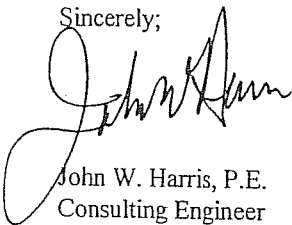
RE: Pennington North Phase II

Dear Ms. Richardson;

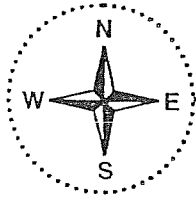
All streams and drainageways on the Pennington Tract have been examined in the field by our Soils Scientist, Mr. Jason Hall (Central Carolina Soils Consulting), and Our Environmental and Wetland Expert, Ms. Jennifer Burnett (Burnett Land Consulting). The NCDENR DWQ office and the US Army COE have concurred with our findings and have issued permits for this project. No septic disposal lines will be located in these environmentally sensitive locations. All drainageways deemed important (perennial, and intermittent) have been identified and buffered.

If you should have any questions or need additional information, please give me a call.

Sincerely;



John W. Harris, P.E.
Consulting Engineer



BURDETTE LAND CONSULTING, INC.

308D W Millbrook Road, Suite 200 - Raleigh, North Carolina 27609
Telephone (919) 841-9977 - Fax (919) 841-9909

June 27, 2007

Mr. John Harris, P. E.
Consulting Engineer
7909 Ocoee Court
Raleigh, North Carolina 27612

RE: Surface Waters & Wetlands Delineation & Permitting Status
Pennington North
Pittsboro, Chatham County, North Carolina
BLC Project #: 60008

Dear Mr. Harris:

During February 2006, Burdette Land Consulting, Inc. (BLC) conducted a delineation of surface waters and wetlands present on the subject site. Mr. Todd Tugwell of the US Army Corps of Engineers (USACE) verified this delineation during a May 4, 2006 site visit. Mr. Eric Kulz of the NC Division of Water Quality (NCDWQ) confirmed the intermittent/perennial determination at each proposed road/driveway crossing on October 16, 2006.

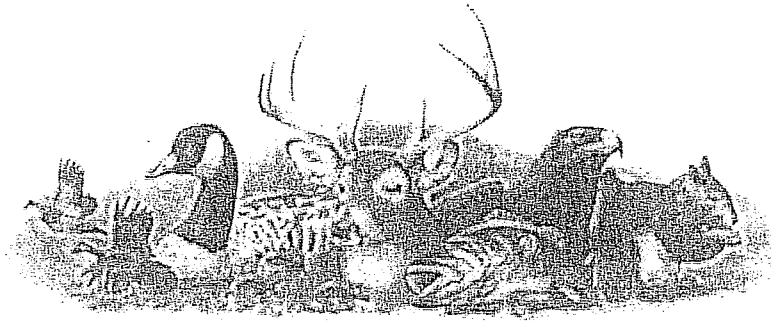
We received a Nationwide Permit (39) Verification (AID # SAW-2006-41120-219) for proposed road and driveway crossings of stream channels from the USACE on November 29, 2006. NCDWQ also issued a 401 Water Quality Certification (DWQ Project # 06-1574) for these proposed impacts on January 2, 2007.

Please do not hesitate to give me a call if have any questions or require additional permitting information.

Sincerely,

Burdette Land Consulting, Inc.

Jennifer A. Burdette
Environmental Specialist



☒ North Carolina Wildlife Resources Commission ☒

Richard B. Hamilton, Executive Director

MEMORANDUM

Date: 15 November 2006

To: Chatham County Planning Department

From: Jacquelyn Presley, Urban Wildlife Biologist, NC WRC

Please accept my comments on the: *Request by Dan Sullivan for subdivision preliminary approval of "Pennington Subdivision, Phase I", consisting of five (5) lots located off SR-1716, Big Woods Road, New Hope Township.*

Because this property is located within a biologically important landscape, we would like to make the applicant aware of the following environmental issues associated with future development of this property.

- 1) We commend the applicant for protecting 100 foot buffers along the southernmost creek. This creek feeds into Jordan Lake, a water supply source for surrounding communities as well as a biologically important area for aquatic wildlife. We suggest the applicant ensure this buffer remains a **100-foot native, forested buffer** that does not become overrun with non-native plant species. After crossing the property, this creek runs onto NC WRC Gameland and the White Oak Slopes Nature Preserve. Any invasive species along this border can spread towards public land along Jordan Lake and degrade presently available wildlife habitat in these protected area.
- 2) This property has been identified as part of 1) Triangle Greenprint's "Big Woods Landscape," 2) The Nature Conservancy's Ecoregional Portfolio, 3) the Division of Forest Resources' Forest Legacy Area. The Triangle Greenprint and The Nature Conservancy's Ecoregional Portfolio are conservation planning efforts that have identified environmentally sensitive areas around the Triangle region of North Carolina. This parcel is part of a larger landscape that has historically provided important wildlife habitat. Extensive development within this biologically

important area will inevitably fragment existing wildlife habitat and reduce the viability of populations that live in this landscape. For these reasons, we recommend the applicant **minimize the amount of land clearing and tree cutting conducted prior to construction.**

- 3) This property is located approximately 600 meters (less than ½ a mile) from NC Wildlife Resources Commission Gameland. Hunting, prescribed burning, and timber harvesting occurs on Gamelands. **Conflicts could arise between future residents of this subdivision and hunters/resource managers.** The applicant should inform homebuyers of the possibility of encountering smoke from prescribed burning activities. To minimize conflicts, the applicant could also redesign the layout so that existing open space is concentrated on the eastern part of the property (closest to Gamelands), while homes are located on the western part of the property.