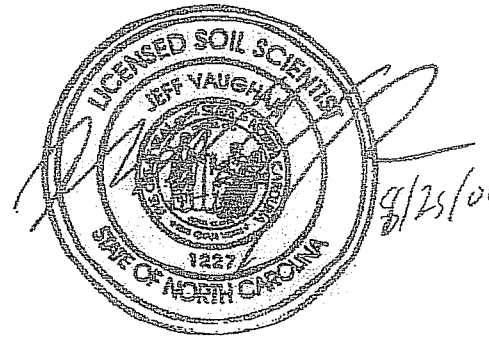


Agri-Waste Technology, Inc.

5400 Etta Burke Court  
Raleigh, North Carolina 27606  
Phone: (919) 859-0669  
Fax: (919) 233-1970  
Email: awt@agriwaste.com



August 23, 2006

MEMORANDUM

TO: Mr. Randy Voller, Owner

FROM: Jeff Vaughan  
Enrique Cachafeiro

SUBJECT: Tobacco Road/Roads End Subdivision Road Wetland Evaluation

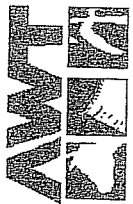
A wetland evaluation was conducted on August 18, 2006, for the Wilkinson Creek Subdivision located near the intersection of Tobacco Road and Roads End Subdivision Road in Chapel Hill, NC (Chatham County). Jeff Vaughan of Agri-Waste Technology, Inc. (AWT) conducted the wetland evaluation. Three areas were evaluated as detailed on the attached map (notated as Areas 1, 2, and 3). These three areas corresponded to proposed road crossings on the property.

Wetlands were not found within Area 2 on the property. Wetlands were found within Areas 1 and 3. A narrow intermittent drainage feature was found in Area 1 that ranged from approximately 1 – 5 feet wide. The land immediately adjacent to the drainage feature in Area 1 did not contain wetlands. Therefore, an estimated 100 – 750 ft<sup>2</sup> of wetlands would be disturbed with the proposed road crossing in Area 1. A narrow intermittent drainage feature was found in Area 3 that ranged from approximately 2 – 3 feet wide. The land immediately adjacent to the drainage feature in Area 3 did not contain wetlands. There is an existing drainage pipe below Roads End Subdivision Road within this drainage feature in Area 3. It is my understanding that this pipe will need to be extended 20 feet. Therefore, an estimated 40 – 60 ft<sup>2</sup> of wetlands would be disturbed with the proposed drainage pipe extension in Area 3. The total wetland area (Areas 1 and 3) that would be disturbed is below the 0.10 acre threshold of wetland disturbance, so a permit to cross these proposed areas would not be required. If greater than 0.10 acres of wetlands would be proposed with this road crossing, then a permit would be required.

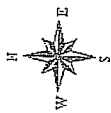
Please contact us with any questions, concerns, or comments.

wetland.doc

Attachment # 4



Agri-Waste Technology, Inc.  
 5400 Ella Burke Court  
 Raleigh, NC 27606  
 P: 919-859-0669  
 F: 919-233-1970  
 www.agriwaste.com

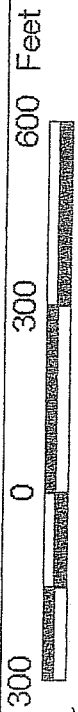
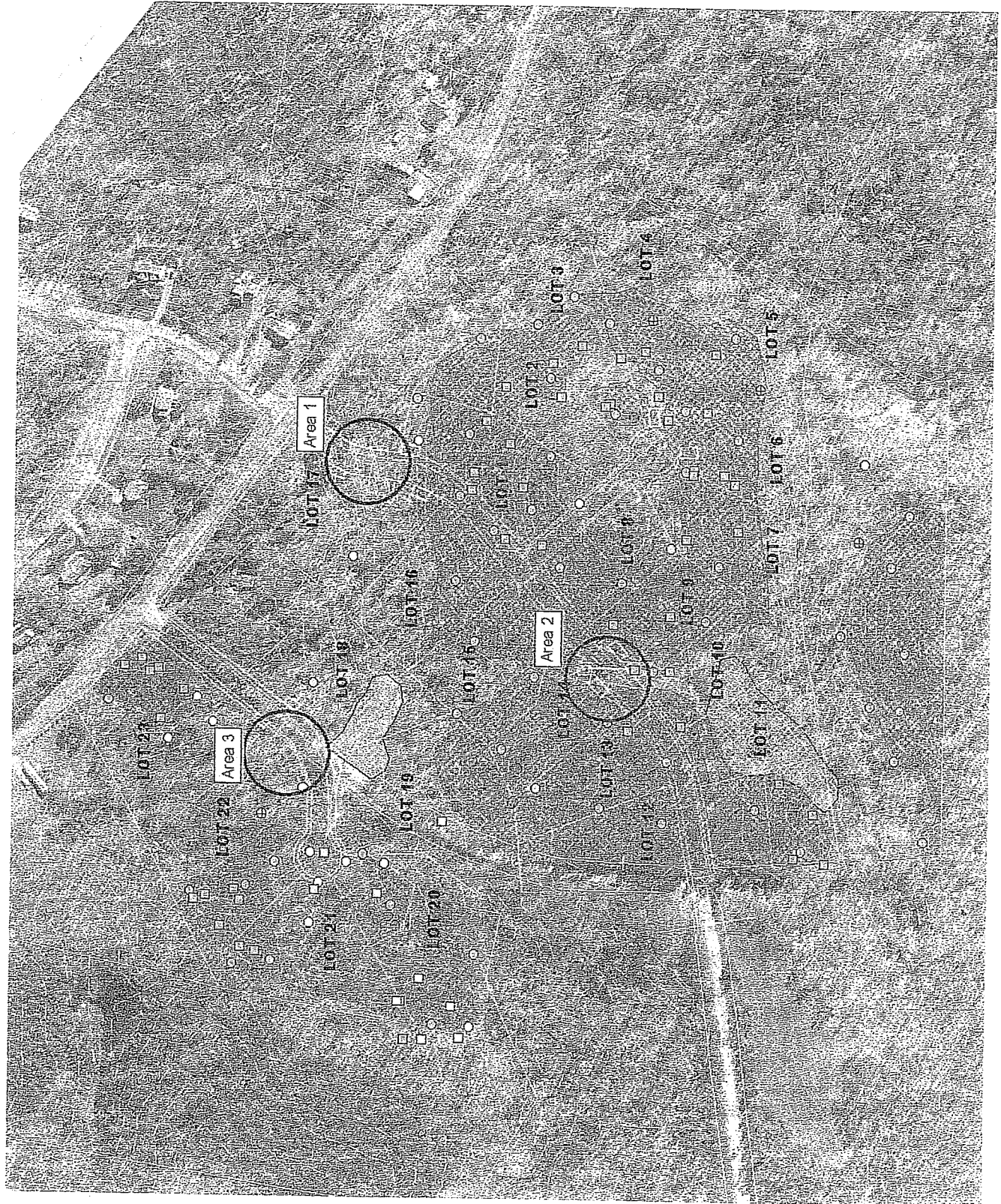


Wilkinson Creek, LLC  
 Chatham Co., NC

**Legend**

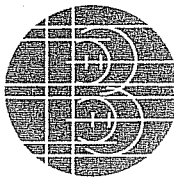
- 5ft Contours
- Depth to Restictive Features
  - Auger Refusal
  - 0 - 12 in.
  - 12 - 18 in.
  - 18 - 24 in.
  - 24 - 36+ in.
- Health Department Borings
  - 0 - 12 in
  - 12 - 18 in
  - 18 - 24 in
  - 24 - 36 in
- Fill Areas
- Parcels
- Lot Lines

Drawn By:  
 Enrique Cachafo  
 Revised By:  
 Jeff Vaughan  
 Date:  
 02/27/2006



Scale: 1:3600  
 1 inch = 300 feet

Attachment # 5



**SAMIR W. BAHHO P.E.**  
CIVIL AND STRUCTURAL ENGINEERING

Date: November 09, 2006

Chatham County Board Of Education,  
Post Office Box 128  
Pittsboro, North Carolina 27312

Reference: The Woods @ the Wilkinson Creek Subdivision Plans

Dear Board Members,

Attached to this cover letter is a copy the Woods @ Wilkinson Creek Subdivision for review and comments. The subdivision comprises of 23 single family lots located in Baldwin Township in Chatham County of Tobacco Road. Sheet 1 of 8 shows a vicinity map for location.

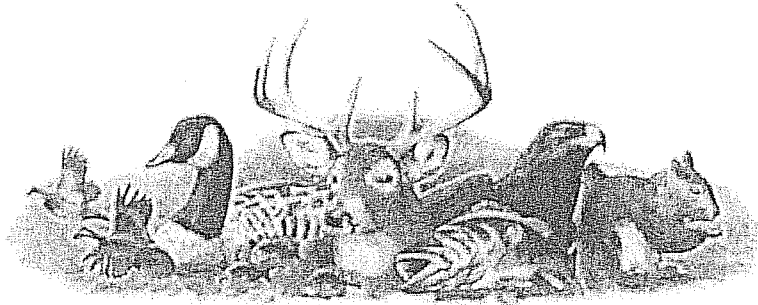
Chatham County Commissioners approved the sketch design of subdivision in April 2006. It is planned to take subdivision plans for preliminary plan approval before Chatham County Planning Board in December 2006. NC DOT has issued a letter of conditional road approval into state road system.

For any additional questions or information call me or email me. My telephone number is (919) 621-0628. My email address is [bahhos@bellsouth.net](mailto:bahhos@bellsouth.net)

Sincerely,

Samir W. Bahho, P.E.

Cc: Chatham County Planning Department  
Chris Hinkle, Wilkinson Creek, LLC  
File



## ☒ North Carolina Wildlife Resources Commission ☒

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Richard B. Hamilton, Executive Director

### MEMORANDUM

Date: 12 December 2006

To: Chatham County Planning Department

From: Jacquelyn Presley, Urban Wildlife Biologist, NC WRC

Please accept my comments on the: *Request by Samir W. Bahho on behalf of Wilkinson Creek, LLC for subdivision preliminary plat approval of "The Woods at Wilkinson Creek", consisting of 23 lot on 47 acres, located off S. R. 1537, Tobacco Road, Baldwin Township.*

The streams that cross this property drain into a biologically important, 3-mile section of the Haw River that has been designated as a significant aquatic habitat by the NC Natural Heritage Program. Although this property is located approximately 5 miles upstream from the Haw, sedimentation and non-point source pollutants that enter this stream from land disturbing activities can adversely impact rare species living in the Haw River.

To minimize negative impacts to priority aquatic species living in the Haw River—as well as those species present in Wilkinson Creek and other streams on the property—NC WRC recommends the applicant establish:

- 100-foot native, forested buffers along each side of all perennial streams, and
- 50 foot native, forested buffers along each side of all intermittent streams.