

Appendix 4

S&EC Preliminary Wetlands Evaluation Report



Soil & Environmental Consultants, PA

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March 30, 2010
S&EC Project No.: 11418.W1

Pittsboro Fire Department
Attn: Mr. Brian Shaw
P.O. Box 573
Pittsboro, NC 27312

Re: Preliminary Wetland Evaluation
Pittsboro Fire Department
Chatham County, NC

Mr. Shaw:

On March 30, 2010, S&EC personnel completed a preliminary wetland evaluation at the Pittsboro Fire Department Site in Chatham County. You will find the attached report detailing our findings. Maps that further document findings are also attached. The next step in the wetland and stream verification process is to confirm our determination with the Army Corps of Engineers' agent for Chatham County. Attached is a copy of our agent authorization form that you should complete and return; this will grant S&EC authority to correspond with the Corps on your behalf should you decide to pursue Corps verification.

As you move forward in planning your development, S&EC personnel are available for site plan review and permit consultation services. Please contact S&EC if you have any questions or if you need clarification of the attached report.

Regards,

Chris Flowers
Licensed Soil Scientist # 1307

Attachments:

- 1) Wetland Delineation Report
- 2) USGS site vicinity map
- 3) NRCS Soil Survey
- 4) Sketch Map
- 5) Agent Authorization Form





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PRELIMINARY WETLAND EVALUATION & FOR THE PITTSBORO FIRE DEPARTMENT SITE

On March 30, 2010, S&EC personnel completed a preliminary wetland evaluation at the Pittsboro Fire Department site (± 3 acres). The site is at the northwest portion of the intersection of Hwy 15/501/87 and Walter Bright Rd in southern Chatham County. Figure 1 and Figure 2 show the location of the site on a USGS topographic quadrangle and NRCS County Soil Survey, respectively.

EXECUTIVE SUMMARY

Based on our evaluation we believe that there are no jurisdictional waters present on site. An isolated ephemeral pool, which S&EC does not believe to be jurisdictional, was found in the southern portion of the tract. The attached wetland sketch map depicts the approximate location of the isolated ephemeral pool identified during our evaluation. Please refer to the sketch map and the results and recommendations section below for more detailed information.

SCOPE OF WORK

The preliminary wetland delineation consisted of traversing the property to examine soils, vegetation, and hydrology across the site in search of areas that meet the criteria for jurisdictional wetlands as described by the procedures set forth in the Corps of Engineers Wetlands Delineation Manual (January 1987 – Final Report). Surface waters such as intermittent and perennial stream channels, ponds, and lakes, which are also subject to regulation by the US Army Corps of Engineers (USACE) as waters of the US, were also surveyed for. These surface waters may also be referred to as jurisdictional waters to indicate that they are within the jurisdiction of the USACE. It is important to note that wetlands are also classified as waters of the US and regulated by the USACE under authority of the Clean Water Act (33 USC 1344).

RESULTS & RECOMMENDATIONS

The results of the preliminary wetland evaluation are discussed below.

Wetlands and Jurisdictional Waters:

We have determined that jurisdictional waters (i.e., streams and wetlands) do not exist on the site. During the evaluation an ephemeral pool, which S&EC does not believe to be jurisdictional, was observed in the southwest corner of the site. At the time of observation the pool was inundated with approximately 10" of water. This pool is sparsely vegetated and is believed to be dry during the majority of the year. S&EC believes that this pool is isolated as it does not have a discernable connection to any jurisdictional waters. Though the ephemeral isolated pool is not believed to be jurisdictional it is mentioned in this report because it may

resemble a jurisdictional feature during periods of inundation. The Corps of Engineers will need to confirm our determination that there are no jurisdictional waters present on the property.

Limitations

Our evaluations, conclusions, and recommendations are based on project and site information available to us at the time of this report and may require modification if there are any changes in the project or site conditions, or if additional data about the project or site becomes available in the future. This report is intended for use by Pittsboro Fire Department on this project. These findings are not intended or recommended to be suitable for reuse on extensions of the project or on any other project. Reuse on extensions of this project or on any other project shall be done only after written verification or adaptation by SOIL & ENVIRONMENTAL CONSULTANTS, PA, for the specific purpose intended.

CONCLUSION

The preliminary wetland evaluation for the Pittsboro Fire Department Property was completed by S&EC on March 30, 2010. S&EC believes that jurisdictional waters do not exist on site. USACE verification of our site assessment should be obtained.



Legend



FireDeptEA_Parcels



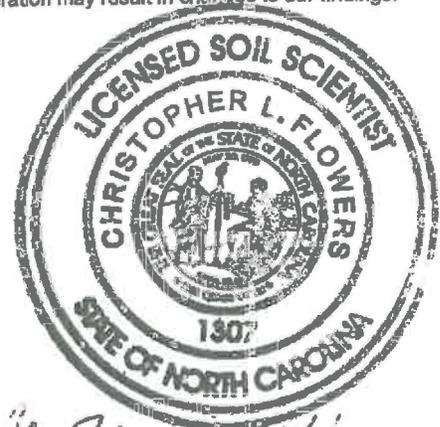
Ephemeral Isolated Pool [not believed to be jurisdictional]



Suitable for Preliminary Planning Only

S&EC reserves the right to modify this map based on changes in regulation, more fieldwork, and any other additional information. S&EC's detailed delineation should be approved and permitted by the U.S. Army Corps of Engineers as required prior to site disturbance.

The information depicted herewith does not represent approval or permit for any site work, nor does it guarantee issuance of any improvement permit. Final site approval for issuance of improvement permits is based on regulations in force at the time of permitting and is dependent on satisfactory fulfillment of requirements by regulatory agencies. Any change in use or any site alteration may result in changes to our findings.



Handwritten signature and date: 4/1/2010

Project No.
11418.wl

Project Mgr.:
cf

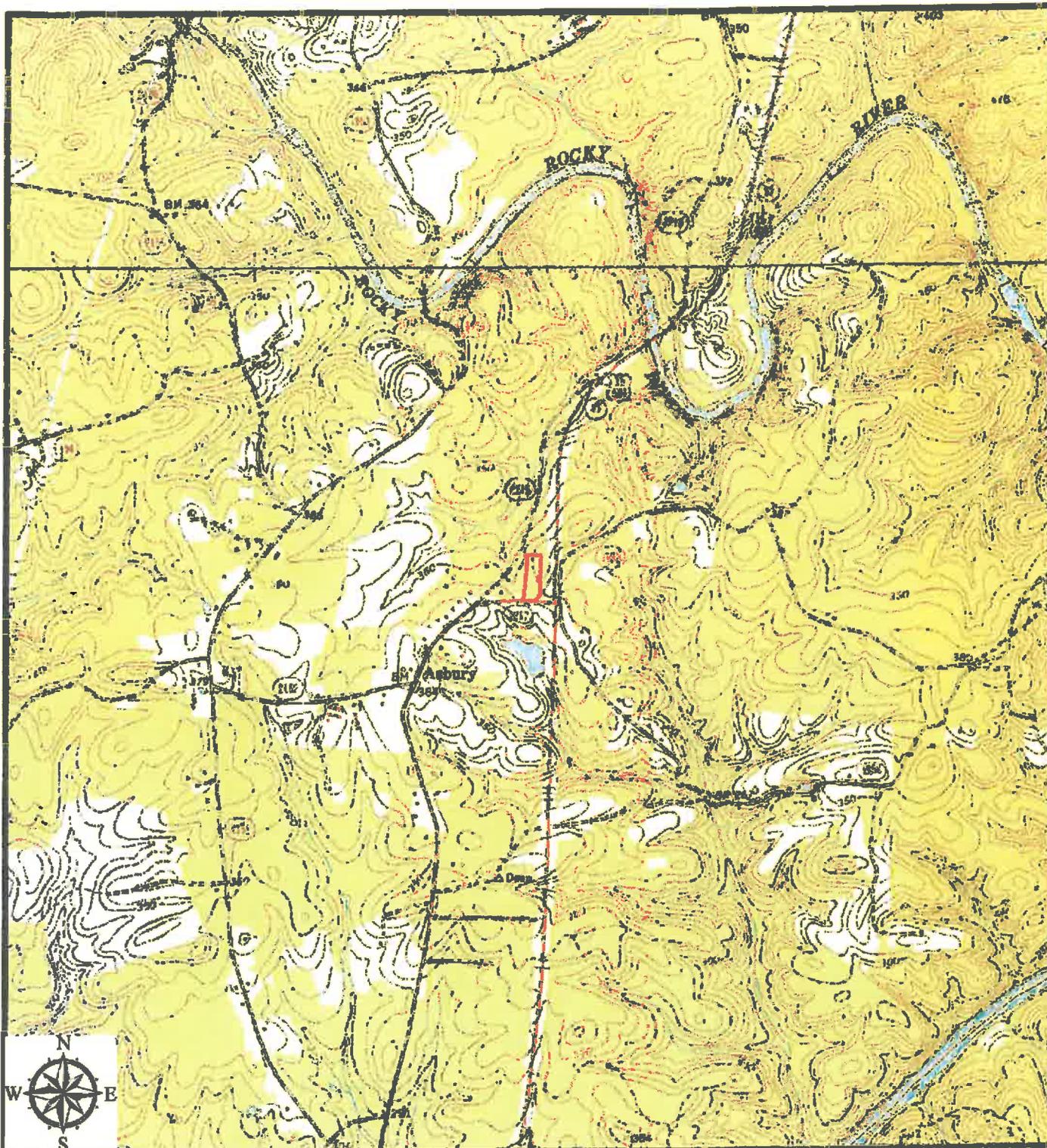
Scale:
1" = 100'

3/22/2010

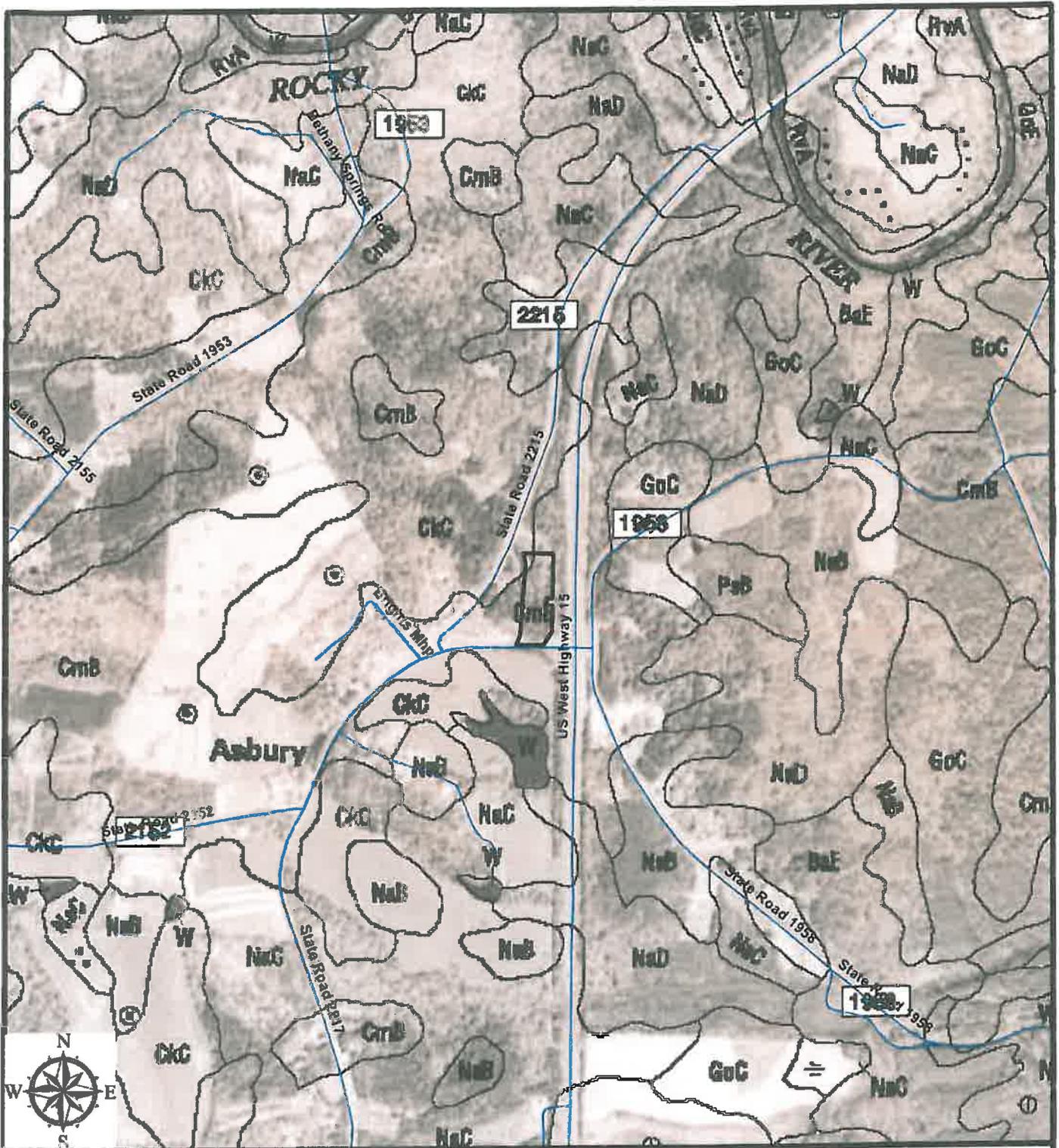
Sketch Map
Pittsboro Fire Station Site
Chatham County, NC
Chatham County
2007 Aerial Image



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Project No. 11418.w1	Figure 1-1:24k USGS Quadrangle Pittsboro Fire Department Site Chatham County, NC	 Soil & Environmental Consultants, PA 11010 Raven Ridge Rd. • Raleigh, NC 27614 (919) 846-5900 - (919) 846-9467 Web Page: www.SandEC.com
Project Mgr.: cf		
Scale: 1" = 2000'	Colon and Pittsboro Quadrangles	
3/22/2010		



Project No. 11418.w1	<p align="center">Figure 2 - Soils</p> <p align="center">Pittsboro Fire Department Site Chatham County, NC</p>	 <p>Soil & Environmental Consultants, PA 11010 Raven Ridge Rd. • Raleigh, NC 27614 (919) 846-5900 • (919) 846-9467 Web Page: www.SandEC.com</p>
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Scale: 1" = 1000'		
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