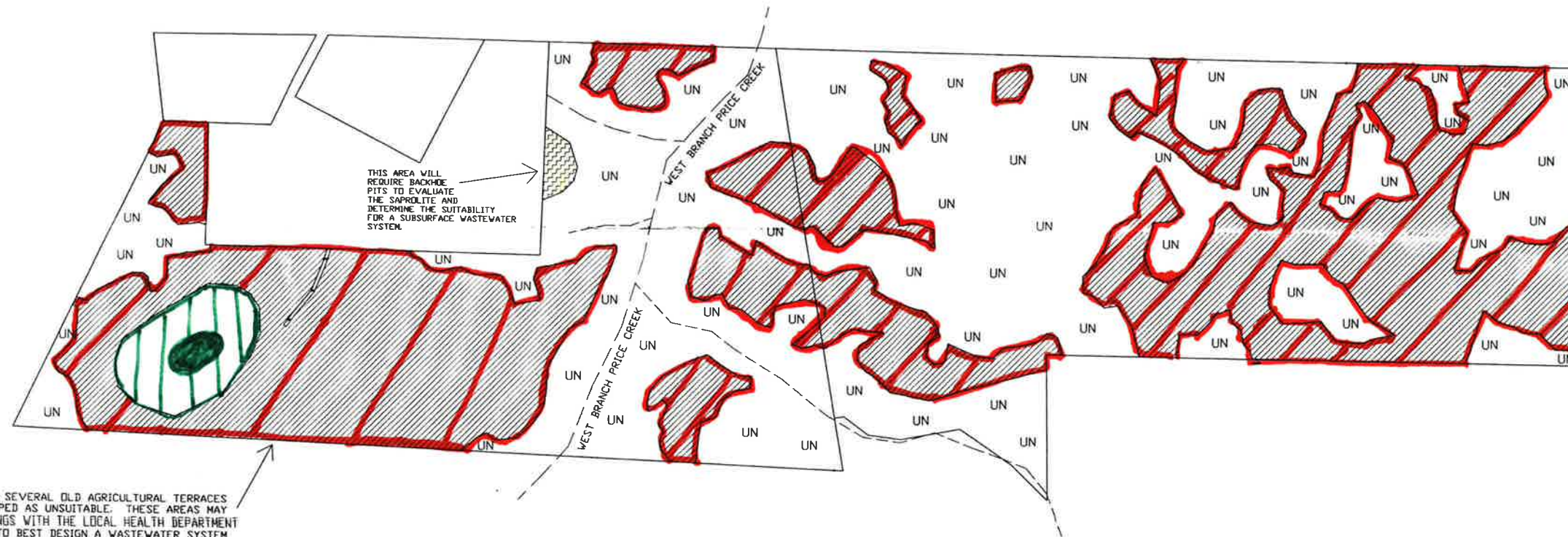


Detail Soils Evaluation

Susan McDonald
94.81-Acres
Chatham & Orange Counties
September 2004



THIS AREA CONTAINS SEVERAL OLD AGRICULTURAL TERRACES THAT WERE NOT MAPPED AS UNSUITABLE. THESE AREAS MAY REQUIRE SITE MEETINGS WITH THE LOCAL HEALTH DEPARTMENT TO DETERMINE HOW TO BEST DESIGN A WASTEWATER SYSTEM AROUND THE TERRACES.

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BE USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

- 1) 10' SETBACK FROM PROPERTY LINE
- 2) 100' SETBACK FROM ANY WELL
- 3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

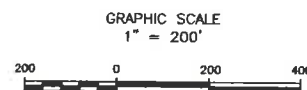
See accompanying S&EC report.

**DETAILED SOILS EVALUATION. SOIL LINES WERE DELINEATED AND FLAGGED IN THE FIELD BY S&EC PERSONNEL. THE SOIL FLAGS ARE NUMBERED AND BEAR THE S&EC LOGO. THE SOIL FLAG POSITIONS WERE ESTABLISHED USING GPS RECEIVERS. NOT A SURVEY.



**NOT A SURVEY. TOPOGRAPHIC AND CADASTRAL INFORMATION, AND DRAINAGE FEATURES ARE FROM THE ORANGE COUNTY GEOGRAPHIC INFORMATION SERVICE.

**THERE MAY BE SMALL INCLUSIONS OF SUITABLE SOILS IN THE AREAS MAPPED AS UNSUITABLE ON THE PROPERTY EAST OF WEST BRANCH PRICE CREEK. A BACKHOE WILL BE REQUIRED IF THESE AREAS ARE EVALUATED DUE TO THE LARGE AMOUNTS OF ROCK.

**THE CREEKS SHOWN ON THE MAP ABOVE WERE NOT FIELD LOCATED WITH GPS RECEIVERS. THEY WERE SKETCHED ONTO THE MAP FROM THE ORANGE COUNTY GIS TOPOGRAPHIC MAP.



LEGEND

	Areas contain soils with 24 to 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems.
	Areas contain soils with some mixed mineralogy clays that may require backhoe pits for evaluation from the local health department and will have a lower application rate than the other suitable soils on the property. S&EC believes this area is suitable for subsurface wastewater systems (conventional, modified conv., LPP, etc.). This soils line was not located via GPS receivers.
UN	Unsuitable areas.



JOB NO.
9018.51
PROJECT NO.
DRAWN
BY
FIELD WORK
BY
SCALE
1" = 200'
FILE
9018.51

Soil & Environmental Consultants, PA
11010 Barco Ridge Road • Raleigh, North Carolina 27614 • Phone: (919) 846-9990 • Fax: (919) 846-9467
www.sandec.com



SUSAN McDONALD
CHATHAM SOILS
CHATHAM & ORANGE COUNTIES

PROJECT NAME

DETAIL SOILS EVALUATION

SHEET TITLE
SHEET