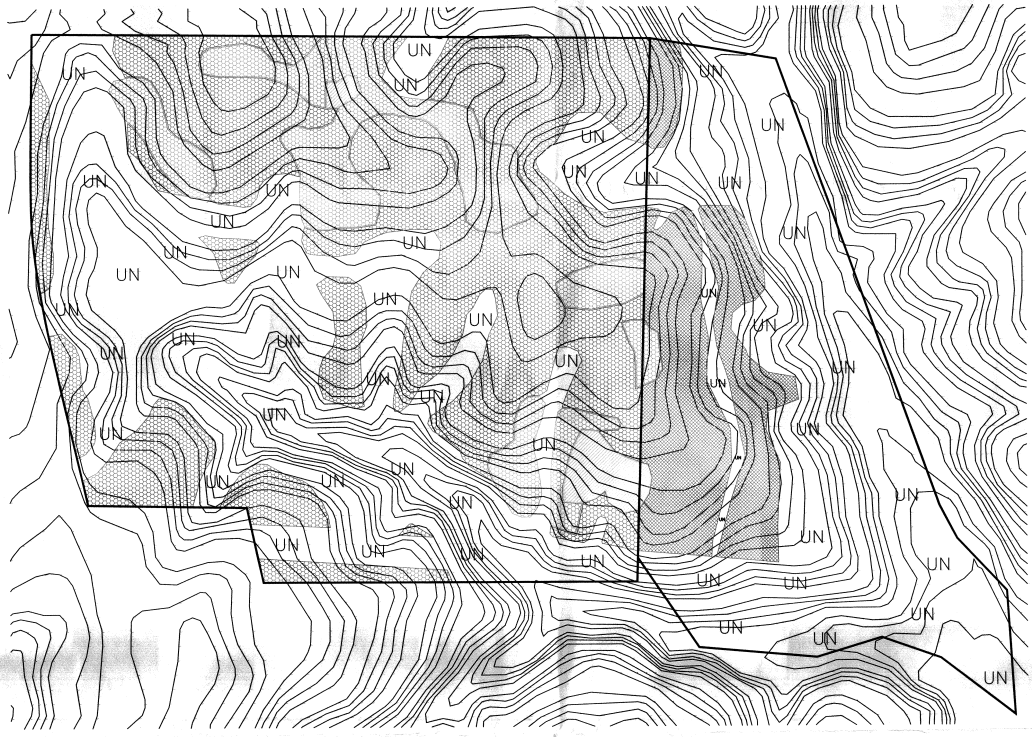

GRAPHIC SCALE
1" = 150'

150 0 150 300

LICENSED SOIL SCIENTIST
MARK B. ALLEN
STATE OF NORTH CAROLINA
1277

LEGEND

Detailed areas contain soils with 24 inches or more of useable material and have the potential for conventional, modified conventional, ultra-shallow and low pressure pipe septic systems.

Areas contain soils with 12 to 18 inches of useable material and have the potential for pretreatment subsurface drip pipe systems.

Potential surface systems: drip and/or spray.

UN Unsuitable areas.

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL SUBSURFACE SEPTIC SYSTEM LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY 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.

PRELIMINARY SOIL/SITE EVALUATION FOR SURFACE DRIP/SPRAY IRRIGATION.
SOIL LINES WERE DELINEATED IN THE FIELD BY S&EC PERSONNEL. THE SOIL LINES WERE SKETCHED ONTO THE MAP BASED ON TOPOGRAPHY AND OTHER SITE FEATURES.

**DETAILED SOIL/SITE EVALUATION FOR SUBSURFACE SYSTEMS.
SOIL LINES WERE DELINEATED AND FLAGGED IN THE FIELD BY S&EC PERSONNEL. THE SOIL FLAGS 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 CHATHAM COUNTY GEOGRAPHIC INFORMATION SERVICE. THE AERIAL PHOTOGRAPH IS FROM THE USGS CHATHAM COUNTY DIGITAL ORTHOPHOTO QUADRANGLE DATA SET. AERIAL PHOTO TAKEN 2002.

SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL PRETREATMENT SURFACE IRRIGATION LOTS WILL REQUIRE APPROVAL BY THE NC-DWQ ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES. THIS MAP DOES NOT REFLECT ALL OF THE REQUIRED BUFFERS EXPLAINED BELOW. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

Spray Irrigation
1) 150' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 100' SETBACK FROM STREAMS, PONDS OR LAKES.
4) 400' SETBACK FROM NEIGHBORING HOMES
5) SLOPE CANNOT EXCEED 10%
6) ESTIMATED WETTED AREA FOR A 4-BEDROOM HOUSE IS APPROXIMATELY 20,000 FT2.

See accompanying S&EC report.

Surface Drip
1) 50' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 100' SETBACK FROM STREAMS, PONDS OR LAKES.
4) 100' SETBACK FROM NEIGHBORING HOMES
5) SLOPE CAN EXCEED 10%
6) ESTIMATED WETTED AREA FOR A 4-BEDROOM HOUSE IS APPROXIMATELY 20,000 FT2. CAN BE MORE DUE TO VARIABLE TOPOGRAPHY ON SITE.

See accompanying S&EC report.

SHEET	SHEET TITLE:	PROJECT NAME:		REVISIONS:	
1 OF 1	DETAILED SUBSURFACE/PRELIMINARY SURFACE SOIL EVALUATION	VILLAGE INVESTMENTS, LLC HIGHWAY 751 MARCH 2006 & JULY 2006	S&EC **Soil & Environmental Consultants, PA** 10100 Raven Ridge Road • Raleigh, North Carolina 27614 • Phone: (919) 846-5900 • Fax: (919) 846-9467 www.SandEC.com		JOB NO. 10145SS PROJECT MGR. RIP DRAWN MA, BS FIELD WORK MA, CH, LS, DS SCALE 1" = 150' FILE 10145SS.bsswp2.dwg