



SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL PRETREATMENT SURFACE IRRIGATION SYSTEMS WILL REQUIRE APPROVAL BY THE NC-DWG 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 DOES NOT REFLECT 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) 100' 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 CANNOT 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.

**DUE TO THE EXTREMELY THICK VEGETATION, S&EC WAS UNABLE TO PERFORM A DETAILED SOIL/SITE EVALUATION. THERE ARE INCLUSIONS OF UNSUITABLE SOILS MAPPED AS SUITABLE ON THIS SOILS MAP.

SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL SUBSURFACE SEPTIC SYSTEMS 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.

PRELIMINARY SOIL/SITE EVALUATION FOR SURFACE AND SUBSURFACE SEPTIC SYSTEMS. SOIL LINES WERE DELINEATED IN THE FIELD BY S&EC PERSONNEL. DUE TO THE EXCESSIVELY THICK VEGETATION, THE SOIL LINES WERE SKETCHED ONTO THE MAP BASED ON TOPOGRAPHY AND OTHER SITE FEATURES. IN THE AREAS WHERE S&EC COULD ACCESS THE HYDROLOGIC LINES, THE SOIL LINES WERE FLAGGED IN THE FIELD AND LOCATED USING GPS RECEIVERS.

**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 1995.

LEGEND

- Detailed areas contain soils with 24+ inches of useable material and have the potential for conventional, modified conventional, ultra-shallow and low pressure pipe septic systems.
- Areas contain soils with 18 to 24 inches of useable material and have the potential for subsurface drip and pretreatment systems.
- Potential surface systems (PSS): drip and/or spray.
- Unsuitable areas.

