

**KW SOILS, LLC.**

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GA. Registered Soil Classifier #151

<b>COUNTY: HALL</b>	<b>DATE: 04/10/19</b>
<b>OWNER: STEVEN BROCK</b>	<b>PHONE# 678-316-4500</b>
<b>SUBDIVISION:</b>	
<b>SITE LOCATION ADDRESS: 1879 TAPAWINGO DRIVE GAINESVILLE, GA</b>	
<b>INTENSITY LEVEL OF INVESTIGATION: LEVEL 3 SOIL ANALYSIS</b>	
<b>SCALE: ONE INCH = 60 FEET</b>	
THIS REPORT IS BASED ON CONVENTIONAL SEPTIC SYSTEMS AND ALL RECOMMENDATIONS ARE BASED ON INSTALLATION FROM THE ORIGINAL SOIL SURFACE.	

**ANY GROUND ALTERATION OF 12 INCHES OR MORE VOIDS THE MAPPED AREA.**

MAP UNIT	SOIL SERIES	SLOPE % <i>verified</i>	DEPTH TO BEDROCK (INCHES) <i>verified</i>	DEPTH TO SEASONAL HIGH H2O TABLE (inches) <i>verified</i>	PERC RATE AT OPTIMUM DEPTH MIN/ IN. <i>predicted</i>	DEPTH TO OPTIMUM PERC. (INCHES) <i>measured</i>	SUITABILITY CODE (See attachment for definitions)
	<b>BUCKHEAD TAX.</b>	25-35%	>72	>72	55	35-37	<b>B/TIF</b>
	<b>RAWLINGS</b>	25-35%	>55	>55	65	30-31	<b>B/TIF</b>
	<b>RION DBR.</b>	25-35%	>72	>72	50	35-37	<b>B/TIF</b>

AREAS WHICH FLOOD OR HAVE POTENTIAL FOR PROBLEMS ASSOCIATED WITH FLOODING SHOULD NOT BE UTILIZED.

	DRAINAGE, RUNS ALL YEAR, (ONE DOT) OR SOLID BLUE LINE
	DRAINAGE, RUNS PART OF YEAR, ( 3 DOTS )
	SLOPE ( DIRECTION FALLING )
	WELL
	TANK AND SYSTEM IN FIRST
	SPRINGHEAD
	GULLY, AND OR RAINY WEATHER DRAINAGE WAY
	ROCK OUTCROP
	TEST PITS
	SWALE - DRAINAGE AREA
	BORED, NUMBERED & FLAGGED HOLE SITE

Any changes or alterations made to the soil maps or interpretations without the written approval of Kyle White voids the seal of the Soil Classifier. The information contained in this report is based on the professional opinions and judgment of the Soil Classifier and is not a guarantee of the performance of any waste disposal system. Kyle White does not design, install, maintain or permit waste disposal systems. Your local health department may view the soil conditions differently than the Soil Classifier and will have the final say in their county. Your local health department holds full authority in the permitting of onsite waste disposal systems. Kyle White produces soil surveys inclusive of the USDA Soil Survey Manual, U.S. Soil Taxonomy, and all mapping is done in accordance to the National Cooperative Soil Survey Standards. Also, all work meets or exceeds the Georgia Soil Classifiers Certification Board Minimum Soil Investigation Standards for Onsite Sewage Disposal Systems.

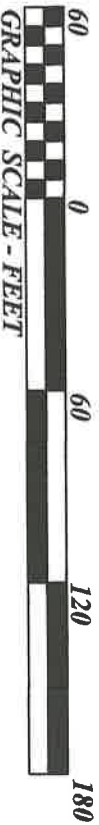
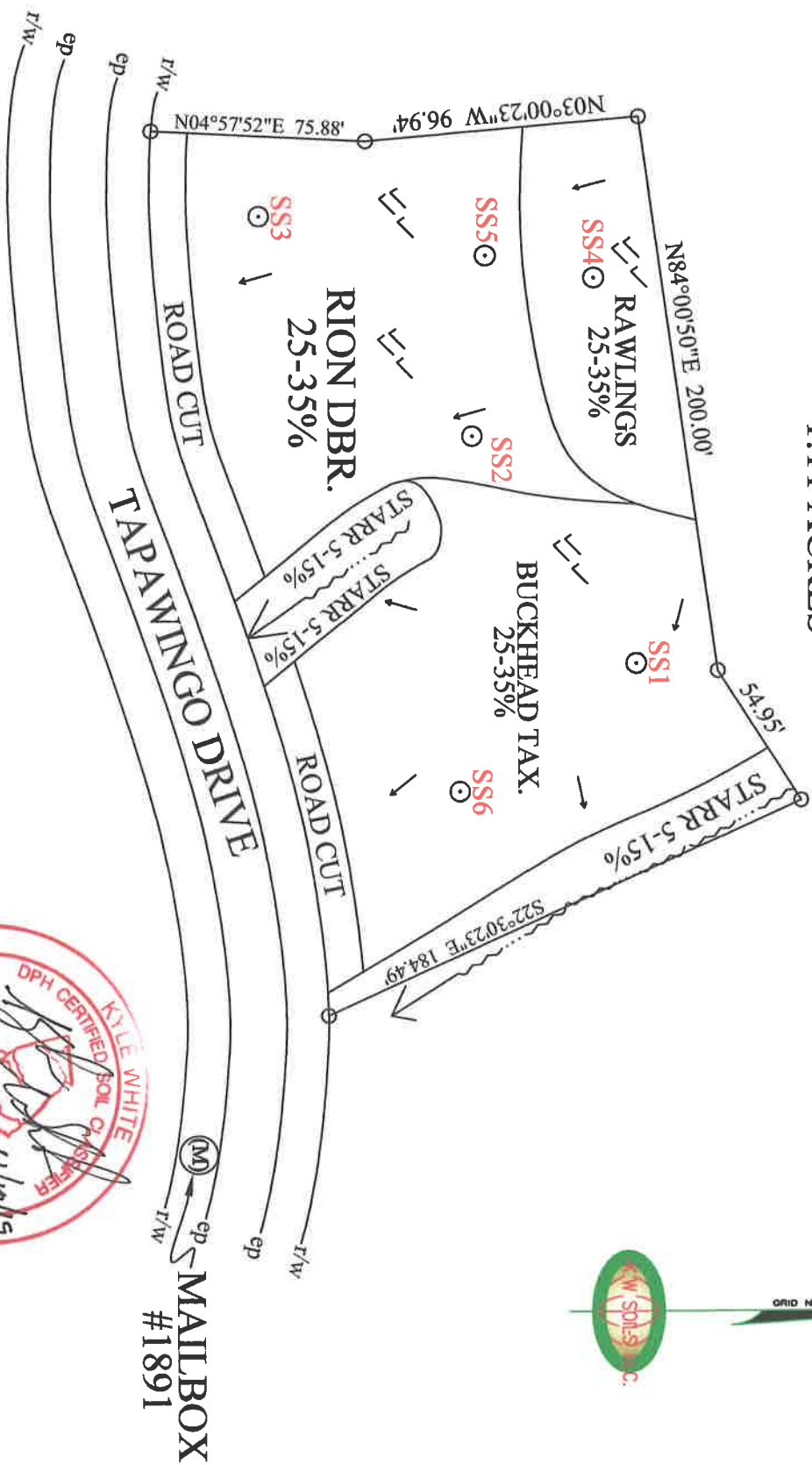
**NOTES:**

# SOIL MAP

TOTAL AREA  
1.11 ACRES



GRID NORTH - GA. WEST ZONE



## SUITABILITY CODES

- A SUITABILITY CODE=SOIL SERIES SHOULD HAVE ABILITY TO FUNCTION AS SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.
  - B SUITABILITY CODE=SOME ROCK AND OR STONY CONDITIONS WERE FOUND WHILE BORING IN THE FOLLOWING SOIL DELINEATION. BORINGS REACHED A DEPTH ACCEPTABLE FOR A CONVENTIONAL INSTALLATION. THESE SOILS HAVE THE ABILITY TO FUNCTION AS A SUITABLE ABSORPTION FIELD WITH PROPER DESIGN, INSTALLATION, AND MAINTENANCE.
  - C SUITABILITY CODE=DUE TO WATER TABLE, FLOODING, AND OR DRAINAGE PROBLEMS, THERE IS A HIGH PROBABILITY OF FAILURE FOR CONVENTIONAL SYSTEMS. (YOUR HEALTH DEPARTMENT CAN DISCUSS WITH YOU IF AN ALTERNATIVE SYSTEM MIGHT BE AN OPTION FOR YOUR SITUATION.) FURTHER STUDY WILL BE NEEDED FOR PERCOLATION RATES TO INSTALL AN ALTERNATIVE SEPTIC SYSTEM.
  - D SUITABILITY CODE=DUE TO THE DRAINAGE AND OR FLOODING CONDITIONS THESE SOIL TYPES SHOULD BE AVOIDED. SEASONAL HIGH WATER TABLES ARE NOT NORMALLY FOUND. HOWEVER; DUE TO HIGH SUBSURFACE FLOW THESE AREAS ARE NORMALLY CONSIDERED UNSATISFACTORY.
  - F SUITABILITY CODE=NORMALLY CONSIDERED UNSATISFACTORY FOR USE FOR CONVENTIONAL ABSORPTION FIELDS.
  - G SUITABILITY CODE=DUE TO SLOPES BEING GREATER THAN 35%, THESE AREAS ARE NORMALLY CONSIDERED UNSUITABLE UNLESS MODIFICATIONS WHICH ARE SUITABLE TO YOUR LOCAL HEALTH DEPARTMENT HAVE TAKEN PLACE.
  - H SUITABILITY CODE=DUE TO BEDROCK LIMITATIONS, THESE SOILS ARE NOT SUITABLE FOR CONVENTIONAL ABSORPTION FIELDS. PLEASE DISCUSS ALTERNATIVE SYSTEM OPTIONS WITH YOUR LOCAL HEALTH DEPARTMENT. TEST PITS WERE DUG ON SITE. K<sub>sat</sub> TESTING MAY BE NEEDED IF LOADING RATES WILL BE REQUIRED FOR AN ALTERNATIVE SEPTIC SYSTEM.
  - I SUITABILITY CODE=DEPTH TO BEDROCK IS GENERALLY NOT SUFFICIENT TO ACCOMMODATE A SEPTIC SYSTEM. HOWEVER, SOILS WITH BEDROCK DEPTHS 36 INCHES OR GREATER OR INCLUSIONS OF OTHER SOILS WITH SUFFICIENT DEPTH MAY BE SUITABLE; TEST BORINGS, PITS, AND SATURATED SOIL HYDRAULIC CONDUCTIVITY TESTS; OR POSSIBLY PERCOLATION TESTS MAY BE NEEDED TO DETERMINE THIS. THESE SOILS HAVE THE ABILITY TO FUNCTION WITH AN ALTERNATIVE SYSTEM.
  - K SUITABILITY CODE=THESE SOILS GENERALLY HAVE SUFFICIENT DEPTH OF SOIL MATERIAL OVER BEDROCK TO ACCOMMODATE A SEPTIC SYSTEM. HOWEVER, INCLUSIONS OF OTHER SOILS WITH INSUFFICIENT DEPTH MAY OCCUR. TEST BORINGS, PITS, AND SATURATED SOIL HYDRAULIC CONDUCTIVITY TESTS; OR POSSIBLY A SERIES OF QUALITY PERCOLATION TESTS MAY BE NEEDED TO DETERMINE PROPER SUITABILITY FOR THESE AREAS.
  - P SUITABILITY CODE=THIS SOIL SERIES HAS WATER TABLE AND/OR DRAINAGE PROBLEMS IN THE LOWER PORTION OF THE SOIL AND A CLAYEY (POSSIBLY RESTRICTIVE) LAYER IN THE UPPER PORTION OF THE SOIL WHICH COULD CAUSE PROBLEMS FOR CONVENTIONAL SEPTIC SYSTEMS. HOWEVER, THE DEPTH TO THE SEASONAL HIGH WATER TABLE IS SUCH THAT A SHALLOW INSTALLATION (WHICH MAINTAINS THE REQUIRED 24 INCHES OF SEPARATION BETWEEN THE TRENCH BOTTOM AND THE SEASONAL HIGH WATER TABLE) MIGHT BE POSSIBLE. A LEVEL 4 STUDY, POSSIBLY INCLUDING SATURATED SOIL HYDRAULIC CONDUCTIVITY TESTS, OR POSSIBLY A SERIES OF QUALITY PERCOLATION TESTS, COULD BE CONDUCTED WITHIN THE PROPOSED SEPTIC AREA TO DETERMINE IF A SUITABLE RATE AND DEPTH EXISTS FOR A CONVENTIONAL ABSORPTION FIELD. THESE AREAS SHOULD HAVE THE ABILITY TO FUNCTION FOR AN ALTERNATIVE SEPTIC SYSTEM.
- KW1 SUITABILITY CODE= THE FOLLOWING SOIL PROFILES ARE DERIVED FROM MAFIC SOILS WHICH HAVE A VERY HIGH CLAY CONTENT THAT LEAD TO EXTREMELY SLOW PERCOLATION RATES. DUE TO THE SLOW PERC. RATES, IT IS IN THE OPINION OF THE SOIL SCIENTIST THAT NO REDUCTION BE GIVEN FOR THE SEPTIC DRAIN LINES. IF PROPERLY INSTALLED, THE SYSTEM SHOULD WORK PROPERLY WITH A CONVENTIONAL SEPTIC SYSTEM