

# SOIL MAP

# MICHAEL MASSEY

HALL COUNTY  
HIDDEN HILLS DRIVE GAINESVILLE, GA

## LEVEL - 4 SOIL ANALYSIS

25,500

**KW SOILS, LLC.**  
4961 HOLLAND VIEW DRIVE FLOWERY BRANCH, GA 30542  
WORK PH: 678-828-8057 email: kwsoils@gmail.com  
GA Registered Soil Classifier #151

COUNTY: HALL	DATE: 7/10/2018
OWNER: MICHAEL MASSEY	PHONE: 770-231-6764
SUBDIVISION:	
SITE LOCATION ADDRESS: BESIDE 3951 HIDDEN HILLS DRIVE GAINESVILLE, GA	
INTENSITY LEVEL OF INVESTIGATION: LEVEL 4 SOIL ANALYSIS	
SCALE: ONE INCH = 100 FEET	
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%	DEPTH TO BEDROCK (INCHES)	DEPTH TO SEASONAL HIGH H2O TABLE (INCHES)	PERC RATE AT OPTIMUM DEPTH (MIN/IN)	DEPTH TO OPTIMUM PERC. (INCHES)	SUITABILITY CODE (See attachment for definitions)
CUT	0-5%	verified	verified	verified	predicted	measured	
CUT	0-5%	>72	>72	>72	55	30-34	A
CUT	5-15%	>72	>72	>72	55	31-34	A
CUT	15-25%	>72	>72	>72	50	32-37	A
CUT	25-35%	>72 TO >120	>72 TO >120	>72 TO >120	55	35-41	A
CUT/FILL	0-5%	>72	>72	>72	55	30-33	A
CUT/FILL	5-15%	>72	>72	>72	55	34-39	A
CUT/FILL	5-18%	>108	>108	>108	50	34-39	A
CUT/FILL	15-25%	>120	>120	>120	55	35-41	A
CUT/FILL	25-35%	>120	>120	>120	55	38-44	A
CUT/FILL	35-45%	>96	>96	>96	65	42-48	A
2 CUT/FILL	35-45%	N/A	N/A	N/A	SEE CODES	SEE CODES	H
FILL	5-15%	>72	>72	>72	SEE CODES	SEE CODES	F
FILL	5-35%	>72	>72	>72	SEE CODES	SEE CODES	F
FILL	15-25%	>72	>72	>72	SEE CODES	SEE CODES	F
FILL	35-45%	>72	>72	>72	SEE CODES	SEE CODES	F
GROVER	0-5%	>72	>72	>72	50	30	B
GROVER	15-25%	>120	>120	>120	50	33-39	B
GROVER	25-35%	>108	>108	>108	55	36-46	B
GROVER	35-45%	>120	>120	>120	55	39-48	B
MADISON	5-15%	>72	>72	>72	50	30-36	A
MADISON	15-25%	>108	>108	>108	55	37-44	A
MADISON	25-35%	>72	>72	>72	50	35-45	A
MADISON	35-45%	>96	>96	>96	55	39-50	A
MADISON DBR.	25-35%	>72	>72	>72	50	36-44	B
STARR	5-15%	>72	>72	>72	SEE CODES	SEE CODES	D

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 PIT
○	○ REPRESENTS DEPTH TO ROCK REFUSAL LAYER
○	○ REPRESENTS DEPTH TO SEASONAL HIGH WATER TABLE
○	BORED, NUMBERED & FLAGGED HOLE SITE

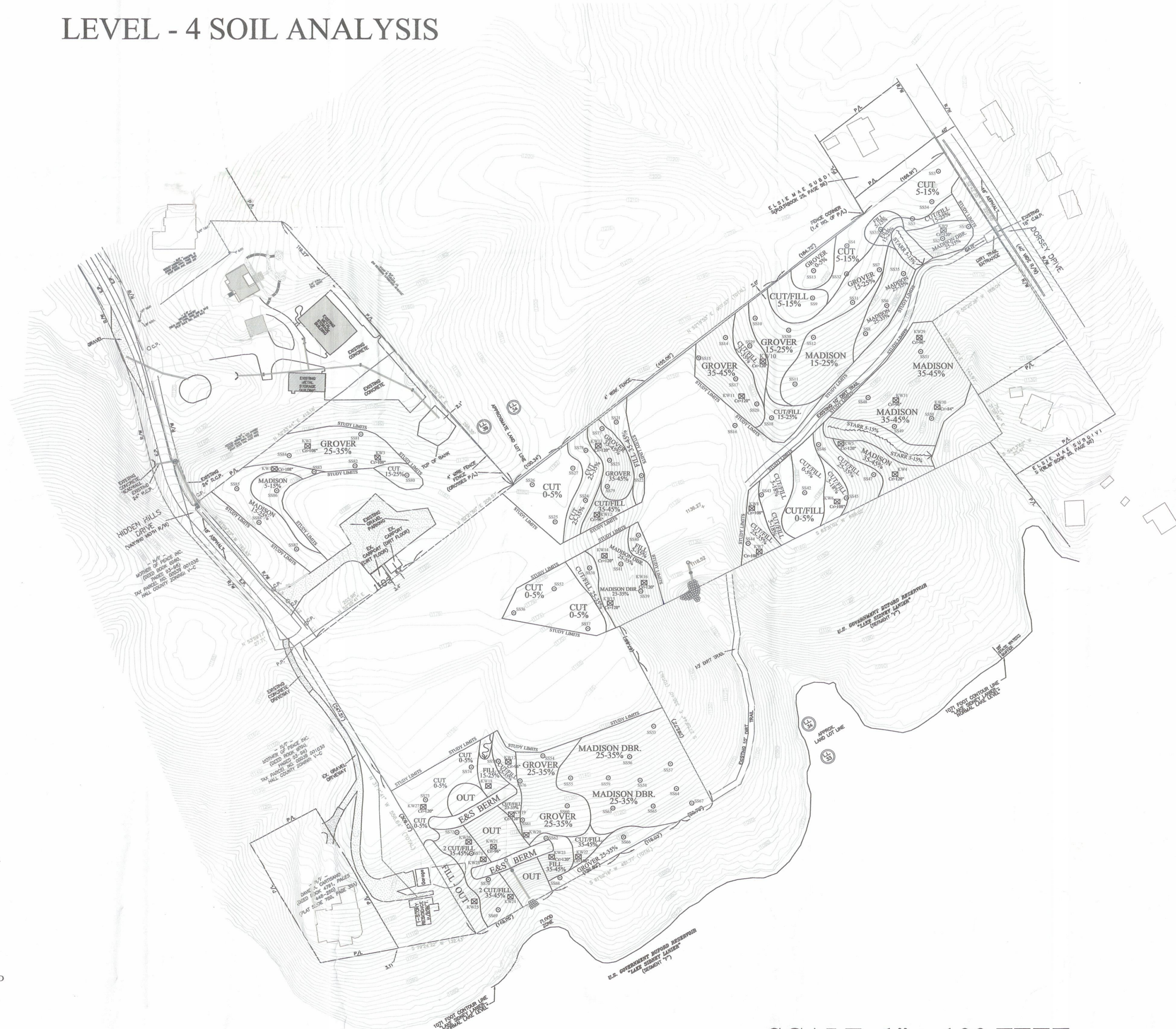
Any changes or alterations made to the soil maps or interpretations without the written approval of Kyle White voids the seal of the Soil Classifier. The information contained in this report is based on the professional opinions and judgment of the Soil Classifier and is not a guarantee of the performance 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 on-site 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 On-site Sewage Disposal Systems.

**NOTES:**

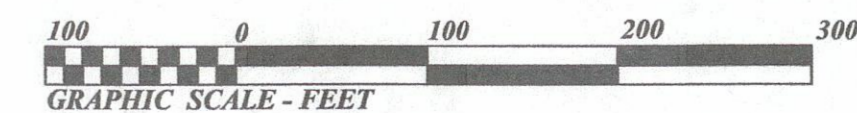
ANY SLOPE EXCEEDING 33%, MAY REQUIRE TO BE BENCHED SO THE TRACKHOE CAN SIT LEVEL. ALL OPERATORS SHALL DIG FROM THE HIGH SIDE AND PLACE THE FILL MATERIAL UNDER THE LOW TRACK IN ORDER TO PLACE THE SEPTIC LINES IN THE ORIGINAL SURFACE ON SITE BEFORE INSTALLATION BEGAN. IF THE SEPTIC WILL BE PLACED IN A BENCH, THE NEW BENCHED AREA WILL BE REQUIRED TO BE RETESTED. TEST PITS WERE EXCAVATED TO DEPTH EXCEEDING 108 INCHES IN THE INITIAL SOIL ANALYSIS.

**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.
- 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.
- 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. KARE TESTING MAY BE NEEDED IF LOADING RATES WILL BE REQUIRED FOR AN ALTERNATIVE SEPTIC SYSTEM.



SCALE: 1" = 100 FEET



**KW SOILS, LLC.**  
 4961 HOLLAND VIEW DRIVE  
 FLOWERY BRANCH, GA 30542  
 TELEPHONE (678) 828-8057  
 EMAIL: kwsoils@dnho.com

DATE	7/10/2018
SCALE	1" = 100'
HALL COUNTY, GEORGIA	
REVISION	
CLIENT COMMENTS	
SURVEY UPDATE	
PAGE	1 OF 1

SOIL MAP FOR:	
MICHAEL MASSEY	
LAND LOT	DIST.
LOT	
ADDRESS	BESIDE 3951 HIDDEN HILLS DRIVE
SURVEYED:	DRAFTED:
PLOTTED:	DISC #:
DRAWN:	

