

EarthWorks

Environmental Services, LLC
(770) 503-6488

5070 Britt Whitmire Road
Gainesville, GA 30506



LEVEL 4 SOIL INVESTIGATION REPORT

Report Date: 5/13/2025	Inspection Date: 5/3/2025	Level of Study: 3
Site Location: 4939 Old Orr Road – Lot 1 & Lot 2		Job No. 25021
Client: Ed Coglianesse - C&E Real estate		Phone: 770-883-0170
County: Hall	Parcel No: 15046 000032E	
Field Inspection By: Jeffrey A. Reichel Jr.		
Boring Location Method: EOS Arrow 100 Submeter GPS Unit and Google Earth Professional		
Certified By: Jeffrey A. Reichel Jr, DPH CSC		

SOIL SERIES & INTERPRETIVE PROPERTIES

Soil Series & Slope Class (%)	Depth to Bedrock (in)	Depth to PWT* (in)	Estimated Perc. (min/in)	Depth of Estimated Perc/(in)	Recommended Installation Depth (in)	Soil Suitability Code
Madison, 40-50%	>90**	>90	45	12-54	24-42	A
			60	30-72	42-60	A2
Madison Cut, 8-25%	60-72**	>72	60	12-54	24-42	T4A

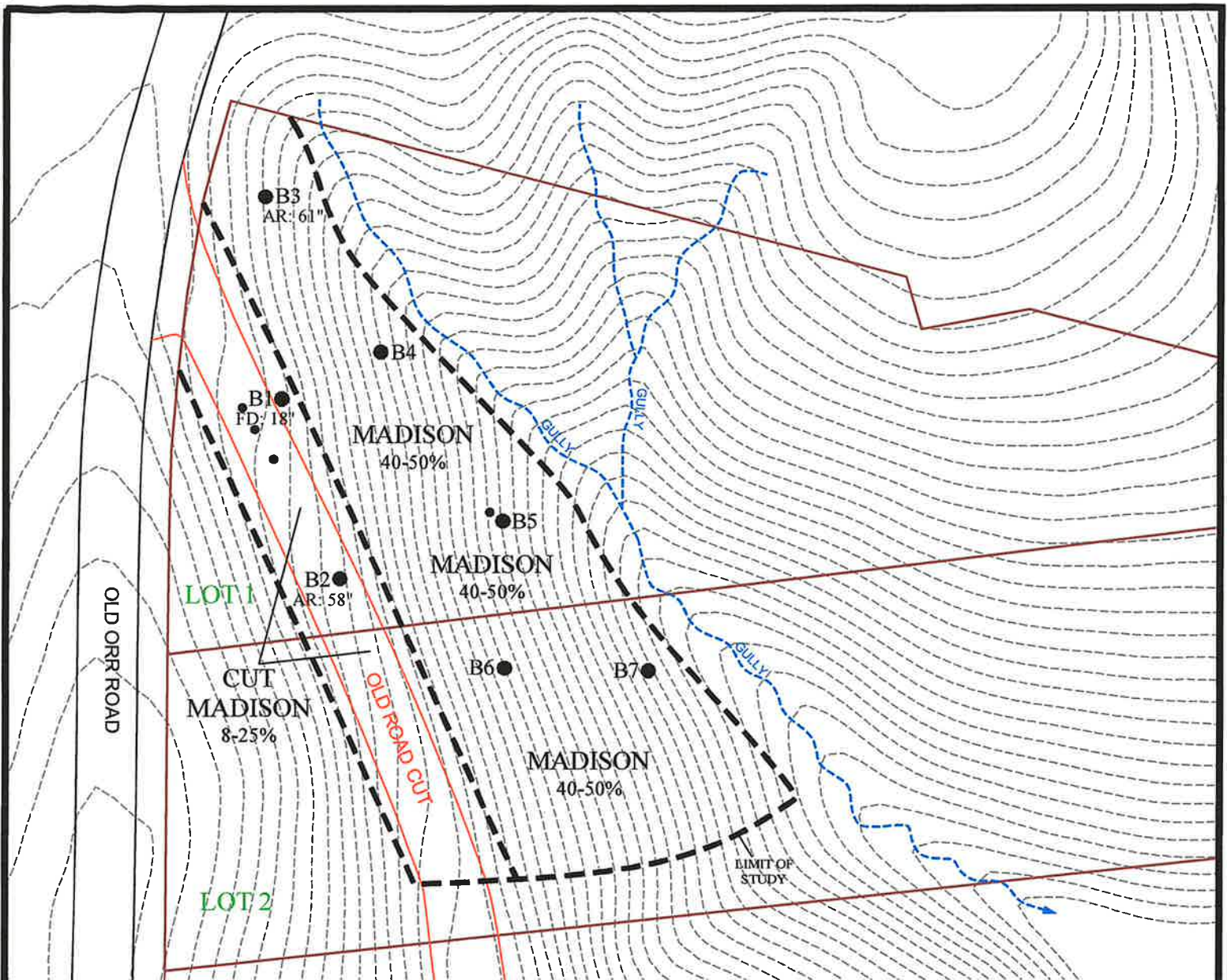
* Perched Water Table ** Auger Refusal on Seams of Weathered Schist that Should be rippable with a backhoe

SOIL SUITABILITY CODE DEFINITIONS

- A Upper Soil are suitable for conventional absorption field with proper design, installation and maintenance. Due to slopes greater than 25%, site modifications and/or special design considerations may be required.
- A2 Deeper Soil Profile contain seams parent material and partially weathered schist. Hand auger borings have been advanced to 90 inches and parent material is generally suitable for conventional absorption field installation. Estimated perc rate accounts for presence of seams of weathered schist.
- T4A Soils are located in an area that has been cut leaving Saprolite at or near the ground surface. Auger refusal was encountered within the Saprolite layer on seams of weathered schist. Backhoe Pits should be excavated if filed lines are to exceed a depth of 42 inches. Site modifications to control surface water and grade out embankments are required. Estimated perc rate accounts for presence of seams of weathered schist.

GENERAL NOTES & COMMENTS

1. The base map was obtained from the survey provided and the NOAA Lidar Elevation Database.
2. Borings were located using an EOS Arrow 100 Submeter GPS Unit.
3. Modification of the site including cut and fill of the drain field area may void the conditions cited.
4. When installing drain line in clay soils, every effort should be made to prevent smearing trench walls and bottom. These conditions reduce drainage rate and may cause premature failure. Installation should be conducted under dry soil conditions. If smearing is evident, surface should be picked or raked prior to placement of distribution media.



NOTES:

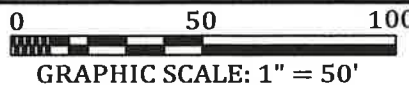
1. PROPERTY BOUNDARIES, WERE OBTAINED FROM THE SURVEY PROVIDED. ELEVATION CONTOURS (2'), DRIVEWAY WERE OBTAINED FROM THE NOAA LIDAR ELEVATION DATABASE.
2. STORMWATER MUST BE ROUTED AWAY FROM PRIMARY SEPTIC ABSORPTION FIELD FOR PROPER SYSTEM FUNCTION.
3. SOIL BORINGS WERE LOCATED USING AN EOS ARROW 100 SUBMETER GPS UNIT AND GOOGLE EARTH PROFESSIONAL.

LEGEND

- = AUGER BORING
- = SEPTIC TANK
- = BACKHOE PIT
- AR = AUGER REFUSAL
- PWT = PERCHED WATER TABLE
- ↘ = SLOPE ARROW
- ORP = REFERENCE POINT
- FD = DEPTH OF OBSERVED FILL
- BT = BORING TERMINATION

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LEVEL 4 SOIL MAP
 4939 OLD ORR ROAD - LOT 1 & LOT 2
 PARCEL NO: 15046 000032E
 HALL COUNTY, GEORGIA



PROJECT NO: 25021
 LAST DATE OF FIELD WORK: 5/3/25
 DATE OF SOIL MAP: 5/13/25



CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

10/9/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER Hester and Associates, Inc. 6015 Southard Trace Cumming, GA 30040	CONTACT NAME: Maria President PHONE (A/C, No, Ext): 678-679-0400 E-MAIL ADDRESS: info@hesterinsurance.com	FAX (A/C, No): 678-679-0404	
	INSURER(S) AFFORDING COVERAGE		NAIC #
INSURED Earthworks Environmental Services, LLC 5070 Britt Whitmire Rd Gainesville, GA 30506	INSURER A: Century Surety Company		
	INSURER B:		
	INSURER C:		
	INSURER D:		
	INSURER E:		
	INSURER F:		

COVERAGES

CERTIFICATE NUMBER: 00015325-241009133316

REVISION NUMBER: 1

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> COMMERCIAL GENERAL LIABILITY <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR GEN'L AGGREGATE LIMIT APPLIES PER: <input checked="" type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input type="checkbox"/> LOC OTHER:			CCP1261224	10/6/2024	10/6/2025	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ \$100,000 MED EXP (Any one person) \$ \$5,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 1,000,000 PRODUCTS - COMP/OP AGG \$ 1,000,000 \$
	AUTOMOBILE LIABILITY <input type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> NON-OWNED AUTOS ONLY						COMBINED SINGLE LIMIT (Ea accident) \$ BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
	UMBRELLA LIAB <input type="checkbox"/> OCCUR EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$						EACH OCCURRENCE \$ AGGREGATE \$ \$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below						PER STATUTE <input type="checkbox"/> OTH-ER <input type="checkbox"/> E.L. EACH ACCIDENT \$ E.L. DISEASE - EA EMPLOYEE \$ E.L. DISEASE - POLICY LIMIT \$
A	Contractor's ProfLia			CCP1261224	10/6/2024	10/6/2025	Claims Made 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Soil sampling/test soils ability to dispose waste water/storm water testing/environmental phase I assessments**CERTIFICATE HOLDER****CANCELLATION**

Georgia Department of Public Health Environmental Health Section 200 Piedmont Ave., SE, Ste 486 Atlanta, GA 30334	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS. AUTHORIZED REPRESENTATIVE <i>Maria H. Aligheri</i> (MHA)
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