Appalachian Soil, Inc.
Ellijay, GA
706-636-3813

Client:	Todd Withrow	**Phone #:**	678-361-0519
Site Location:	Fir Lane	**Level of Study:**	3
Date Evaluated:	4/11/2022	**County:**	Gilmer

Hole	Soil Series	Slope %	Depth to Bedrock	Depth to Seasonal High Water Table	Absorption Rate at Recommended Trench Depth	Recommended Trench Depth	Map Unit Suitability Code
1	Brasstown Variant	20	54"	>54"	45	24"-30"	A
2	Nantahala	20	64"	>64"	65	24"-36"	A
3	Brasstown Variant	23	54"	>54"	45	24"-30"	A
4	Brasstown Variant	20	54"	>54"	45	24"-30"	A
5	Cheoah	27	64"	>64"	45	24"-40"	A
6	Cheoah Variant	27	50"	>50"	45	24"	A

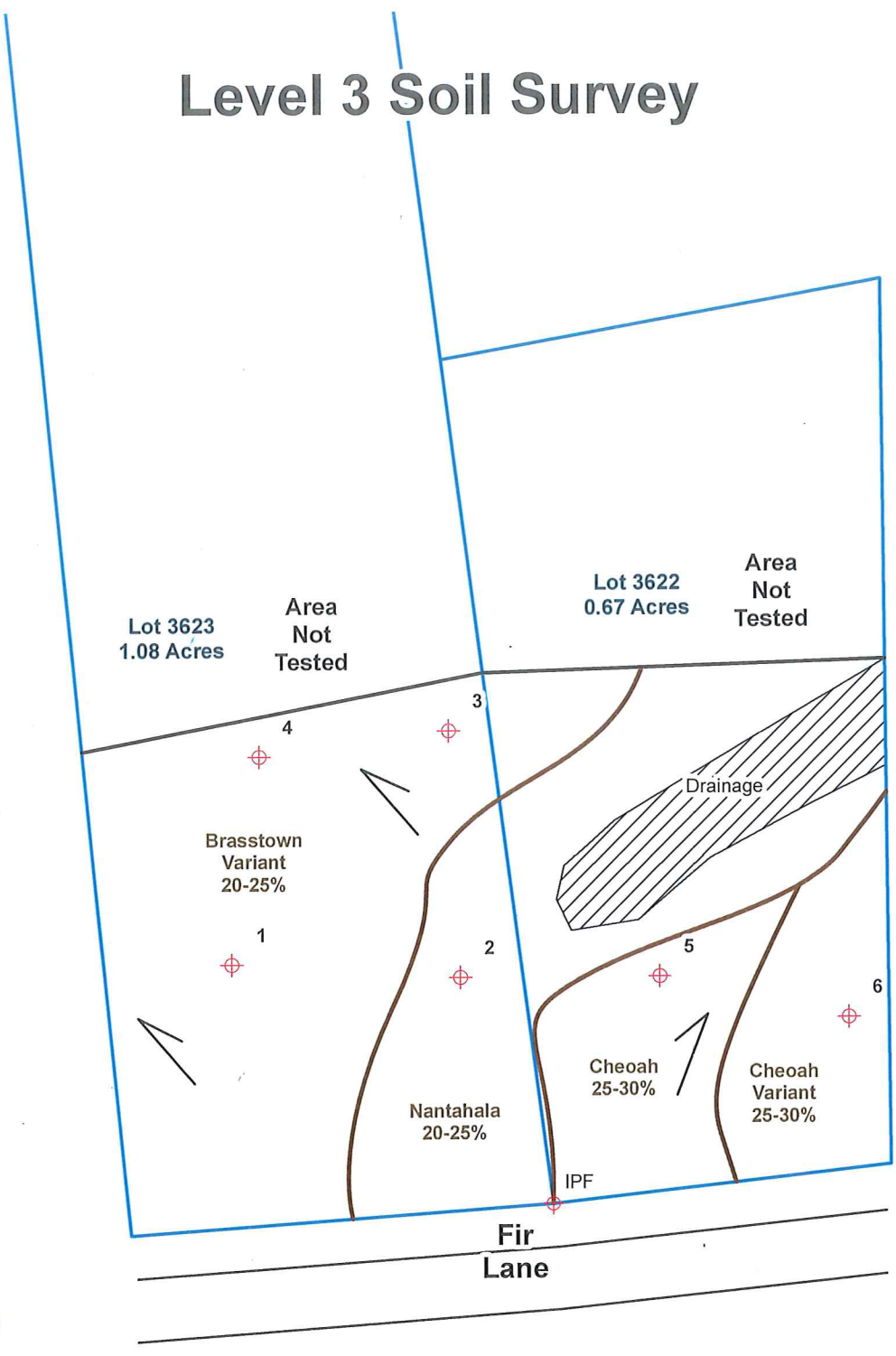
Map Unit Suitability Codes	
A	Soil series should have ability to function as suitable absorption field with proper design, installation, and maintenance.
N	Some rock and/or stony conditions were found. This soil should function as a suitable absorption field providing that the system is put in first to make sure there will be no rock limitations.
C	Due to water table, flooding and drainage problems, there is a ***high probability of failure*** for a conventional system. In lieu of conventional systems and conventional absorption fields, alternative systems may be considered. The drip emitter system is recommended for wastewater application.
H	Due to bedrock limitations, these soils are ***not suitable*** for conventional absorption fields although some alternative systems can be permitted for these soil types. Test pits via heavy equipment may be recommended by the local Environmental Health Department to further determine if the bedrock can be dug and these soils found suitable for a conventional septic system.
Q	Due to cutting or filling of soil materials, suitability should be determined by a Soil Classifier.

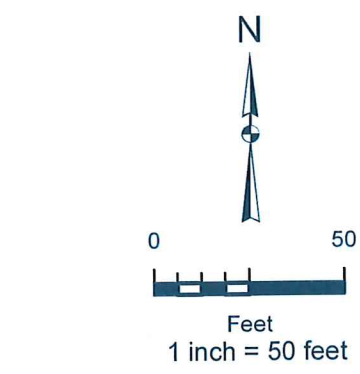
- Soil boundary lines are drawn by combining soils with similar properties and interpretations into a map unit. Map units are names for dominant soil series found in the unit and the percent slope. The boundary lines approximate the center of the transition zone between different soil map units and are not an exact separation of the soil series.
- Alteration through cutting and filling of suitable soils voids this report. Due to variances in natural soil conditions and the effects on controlled construction practices a positive report does not guarantee the future performance of septic systems.
-The information in this report is based on the professional opinion and judgement of Josh Fox, Appalachian Soil, Inc. Josh Fox/ASI does not design, install or maintain, or permit on-site waste disposal systems, and therefore, does not guarantee the performance of any system installed on the property.
-Please note that all findings reported are based on professional opinion and do not imply approval or disapproval for permitting. Decisions and permitting are the responsibility of the local Environmental Health Department. For definitive answers on permitting, the client should consult the local Environmental Health Department.

Site Specific Additional Comments:

- Property lines and house site not marked during time of soil survey.

Level 3 Soil Survey





--Shows Slope Direction
--Points mapped with GPS
--All points marked with orange flagging tape

Date: 4/19/2022