



North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor.

Joseph W. Grimsley, Secretary

DIVISION OF LAND RESOURCES

Stephen G. Conrad, Director

Telephone 919 733-3833

Dear Mr. Anderson :

The North Carolina Geological Survey Section, Department of Natural Resources and Community Development is drilling a number of shallow auger holes in order to gather information about geologic structure and rock type. This information will be used to construct a new State Geologic Map. One or more desirable sites for auger holes are located either within the highway easement across your property or on your property as indicated on the attached sketch map.

Geological Survey personnel would be drilling 6-inch diameter auger holes not more than 105 feet deep with a truck mounted auger rig and accompanying service truck. In some instances geophysical equipment would be lowered down the hole to gather part of the necessary information. When finished all equipment, material, and structures will be removed, cuttings scattered, and the holes permanently plugged in accordance with state regulations. All work will take from less than one day to not more than one or two days, depending on how many holes we are requesting to drill on your right-of-way or your property.

Please indicate your permission for us to do this work by signing and returning this letter to us.

Respectfully,

Patricia P. Gallagher
Driller-in-Charge

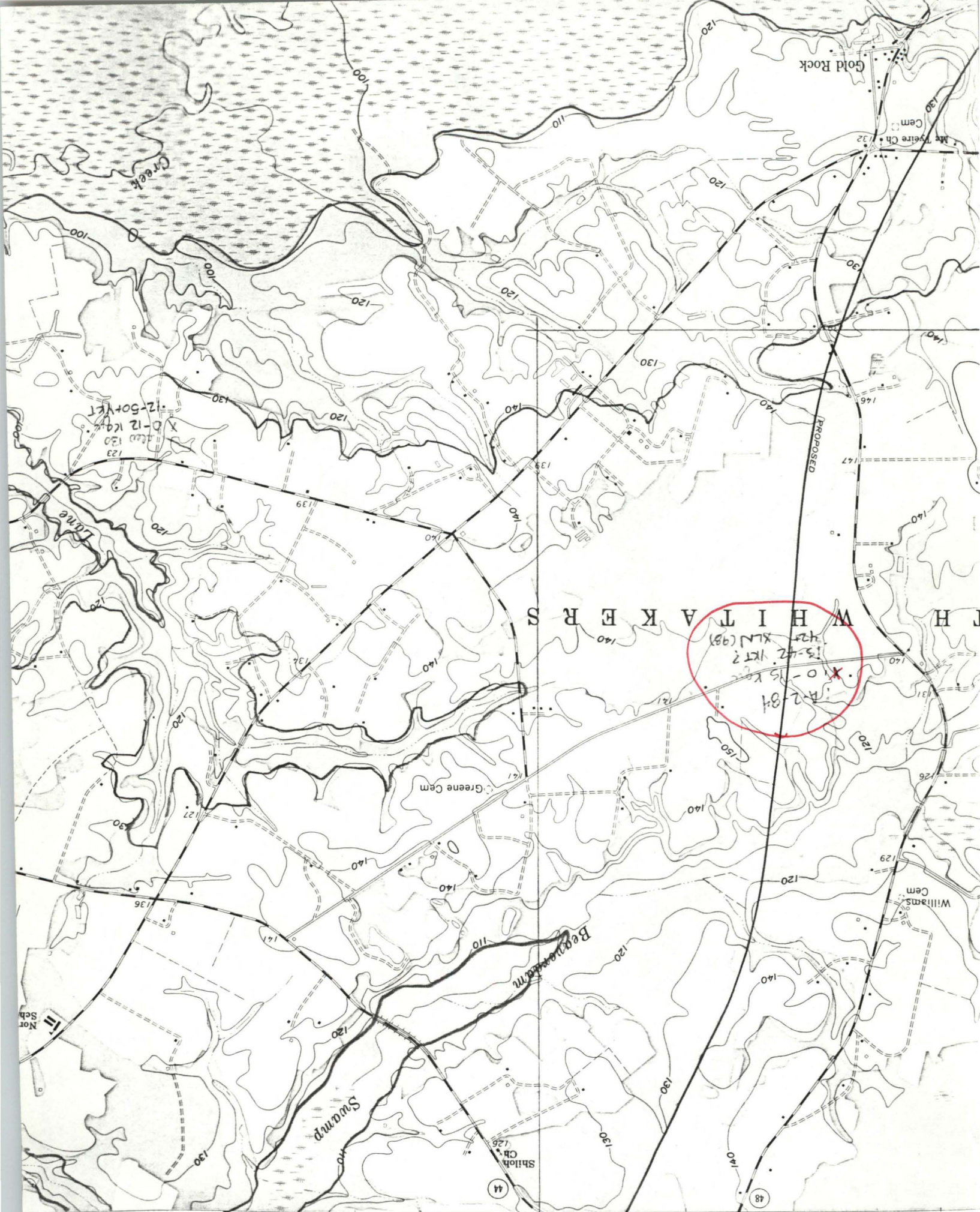
[Signature]
Land Owner (or)
Person in charge of the land

5-16-84
Date

NOR 2.5 MINUTE S

DRAKE 7.5'

5456 III NE RINGWOOD 7 MI. 248 HICKORY 0.6 MI. 47'30" 249 2360 000 FEET 251



SAMPLE DESCRIPTION

Well # NA-A-2-84 TD _____ Examined by: PEG Date 5/22/84

p. _____ of _____

Key: A - Abundant C - Common M - Minor T - Trace R - Rare X - Major Constituent

Interval	Rock Type	Color	Texture			Quartz	Feldspar	Glauconite	Phosphate	Calcite	Shell Frags	Mica	Pyrite	Lignite	Chalcedony	Amethyst	Rose Quartz	Tourmaline	Siderite	Limestone	Dolomite	Fossils	Re-Stain	Remarks	
			Grain Size	Grain Shape	Sorting																				
13'	Sst		vs	any	poor	X	T																	abd gtz gravel, r feldspar, granite	
40'	Sst		cs	any	poor	X																		abd heavy minerals, ^{any} very xl pbb, ^{hard} chlorite ^{hard} trill frags	
45'	Sst		cs	any	poor	X																		abd xl sl grv, some lmy xl rdd pbb/ls to chl frags	
50	Sst		cs	any	poor	X																		any granite frags in gtz sand ^{if slt frags?}	

light samples

hard trill frags

0-14 Cream colored sand: cse-gr, any, pebbly srt gtz; abd gtz. grw, tr gtz grw, tr fap, mic

14-42' Blue-gray clayey sand; cse-gr, any, pebbly srt gtz; abd mic, xln grw, 1 rnd xln pbl, tr pyg, shl frangd

42+ xln - Piedmont
5000
No pyg, 1 rnd xln pbl, tr pyg