

BLACKBERRY HILLS
139-173-12

5/23/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

4791A

Mecklenburg County
Health Department

Basil G. Deltu, M.D., M.P.H.
Health Director

July 21, 1988

Steve Allen
Charlotte-Mecklenburg Planning Commission
600 E. Fourth Street
Charlotte, NC 28202-2853

Dear Steve:

A preliminary investigation of soils and topography was conducted on a portion of the Blackberry Hills subdivision. A soils map of the areas was prepared and a copy is enclosed.

The areas marked with yellow lines on the enclosed map appear to be dominantly unacceptable for the installation of septic tank systems. Included are soils with expanding clay, a drainageway-depression area, complex slopes, and a cut-fill area.

The soils with expanding clay minerals have subsoil horizons that swell when wet. This reduces soil pore space and internal soil water movement. These soils are generally shallow (less than thirty-six inches to saprolite). Subsoil horizons are blocky with respect to structure. Depth to ground water is greater than thirty-six inches. Slopes range to approximately fifteen percent.

The drainageway-depression areas collect and channel surface runoff from other areas of the landscape. This area would be subject to some surface flooding during periods of precipitation. Also, indications of seasonal water were noted at soil depths of twenty inches or less.

The complex slope areas have generally been eroded to the point that they are not adaptable for the installation of septic tank systems.

The cut-fill area has an area that has been cut into saprolite to depth of several feet. Fill material is also present in the same vicinity. The fill is compacted to the point that little if any naturally occurring soil structure exists.

7/18/88 PO 900-
CK# 296

The University
of North Carolina
at Charlotte
Charlotte, N. C.
28223

Department of
Geography and
Earth Sciences

704/547-2293

Bill,

Please find enclosed Check for $900.00 for Blackburn Hills Soils.

Thanks,

TC# 139-173-12

PO
139-173-12

RECEIVED
MECKLENBURG COUNTY
HEALTH DEPT.

JUL 18 1988

ENVIRONMENTAL HEALTH
DIVISION

THE UNIVERSITY OF NORTH CAROLINA is composed of the sixteen public senior institutions in North Carolina
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[illegible]

The soils in the [illegible] appear [illegible] for the installation of septic tank systems. These soils have subsoil horizons that are blocky with respect to structure and depth appears to be greater than thirty six inches to saprolite. Slopes range to approximately twenty percent in most [illegible] and water and restrictive horizons [illegible] appear [illegible] greater than thirty six inches.

Based on this investigation, lots 33, [illegible] 40, 41, 42, 43, 47, and 48 appear to have adequate areas of dominantly acceptable soils for septic tank system installation and repair. Lots 33 and 38 appear to have limited areas of dominantly acceptable soils for septic tank system installation. Lots 44, 45, and 46 appear to have either restricted areas or no areas of dominantly acceptable soils.

Please note that this report does not express or imply individual lot approval for septic tank system installation. Individual lot approval is dependent in part on the satisfactory completion of a soil investigation of each lot. Note also that soil delineations may be subject to change pending additional investigation with established reference points. Inclusions of soils other than those observed may occur.

Feel free to contact me if there are any questions with regard to this report.

Sincerely,

William R. Marlin

William R. Marlin
Soil Scientist

WRM/ir

Enclosure

cc: Dr. James W. Clay
Rt. 1, Box 346
Midland, N. C. 28107