

WINDSOR CHASE

5/21/2007

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Groundwater and Wastewater Services File Imaging Project
May 2007

Barcode Font = IDAutomationHC39M

Mecklenburg County
Health Department

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

July 7, 1988

Leroy Rushing
Rushing Construction Company
P. O. Box 267
Indian Trail, N. C. 28079

Dear Mr. Rushing:

A preliminary investigation of soils and topography was conducted on the proposed subdivision know as Windsor Chase, located on Williams Road. A soils map 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 areas of complex slopes, drainageway and depression areas, areas of soils with expanding clay minerals and evidence of perched water.

The complex slope areas have irregular topography that is not adaptable to the installation of septic tank systems. These areas have been eroded to depths of several feet in places. Old field terraces are also present that would cause problems for drainfield installation. These areas also collect and channel surface water runoff.

Some soils on the tract have expanding clay minerals that swell upon becoming wet, reducing soil pore space. These soils are generally shallow, being less than thirty-six inches in depth to saprolite. Evidence of seasonal perched water was found at depths as shallow as twelve inches. Slopes range to approximately fifteen percent.

The drainageway and depression areas collect and channel surface water runoff during periods of precipitation. Some surface flooding may occur in these areas. Evidence of seasonal water was also noted in these areas at varying depths, but less than thirty-six inches.

The soils in the unmarked areas appear to be dominantly acceptable for the installation of septic tank systems. These soils have clay subsoil horizons that are blocky with respect to structure. Depth to saprolite and restrictive horizons is greater than thirty-six inches. Depth to ground water is greater than thirty-six inches. Slopes range to approximately fifteen percent.

Based on this investigation, lots 1, 2, 8, 12, 13, 14, 15, 16, 21, 23, 25, 29, 30, 31, 32, and 33 appear to have adequate areas of dominantly acceptable soils for the installation of septic tank systems. Lots 3, 5, and 17 appear to have limited areas of dominantly acceptable soils for the installation of septic tank systems. Lots 4, 6, 7, 9, 10, 11, 18, 19, 20, 22, 26, 27, and 28 appear to have restricted or possibly inadequate areas of dominantly acceptable soils for septic tank system installation.

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 soils investigation of the lot in question. Only the front lot corners were established at the time of this investigation. no rear lot corners or side lot lines were marked on the tract.

A Duke Power Company right of way crosses the tract. Drainfield installation in this area would be subject to Duke Power Company approval.

Lots developed on this tract would require that a one hundred percent repair area be available for any septic tank system installed. Also, individual wells need to be one hundred feet from any part of a septic tank system. Note that soils delineations may be subject to change pending additional investigation with more marked reference points. Inclusions of soils other than those delineated may occur on the tract.

Please 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: File 4615A

6/3/88 P.O. cash 45401 1,380.00 RD

APPLICATION FOR SOIL INVESTIGATION

MECKLENBURG COUNTY · ENVIRONMENTAL HEALTH ·

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 4615A

TC: _____

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Williams Road, MECKLENBURG COUNTY.

② SUBDIVISION: WINDSOR CHASE ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: 193 PAGE NO.: 171 PARCEL NO.: 15

⑥ DEED REFERENCE: BOOK NO.: 4940493 PAGE NO.: _____

OWNER

⑦ NAME: RUSHING CONST. Co. / LEROY RUSHING
(FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: P.O. Box 267

⑨ CITY: INDIAN TRAIL, ⑩ STATE: N.C. ⑪ ZIP: 28079

⑫ PHONE: (WORK) 882-1131 (HOME) 882-1680

⑬ Accurately *diagram* and dimension lot.

SEE ATTACHED PLAT

⑭ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: Rushing Const. by Leroy Rushing

Date: 6-2-88

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY