

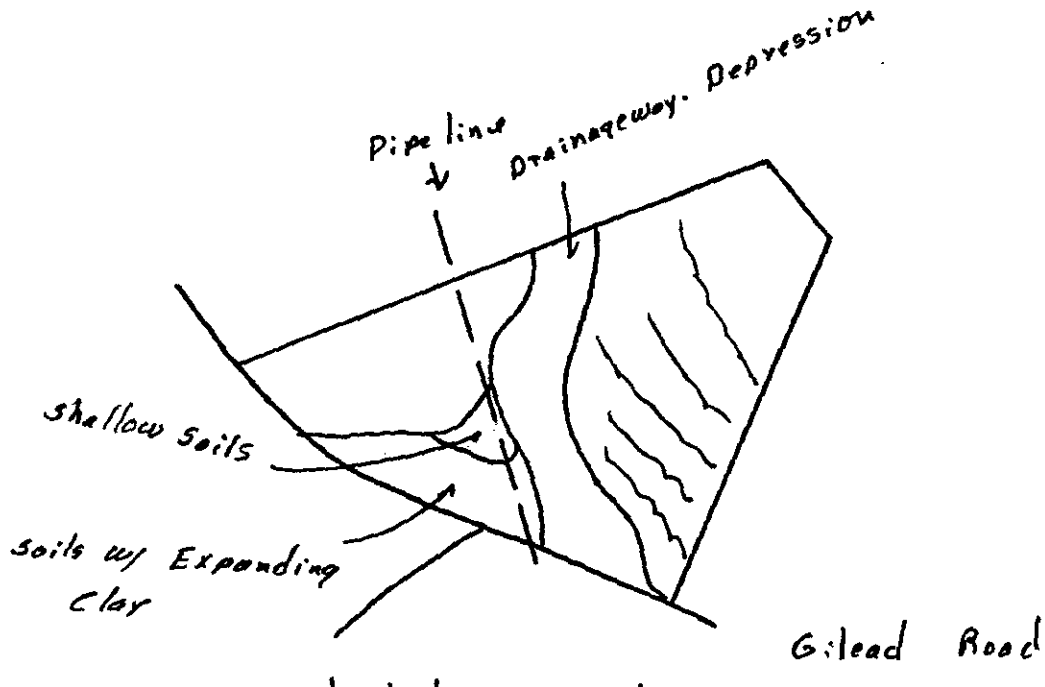
7319 GILEAD RD

6/1/2007

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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Pre - Preliminary 009-032-06



☐ Soils Appearing To Be Dominantly Acceptable For Septic Tank System Installation

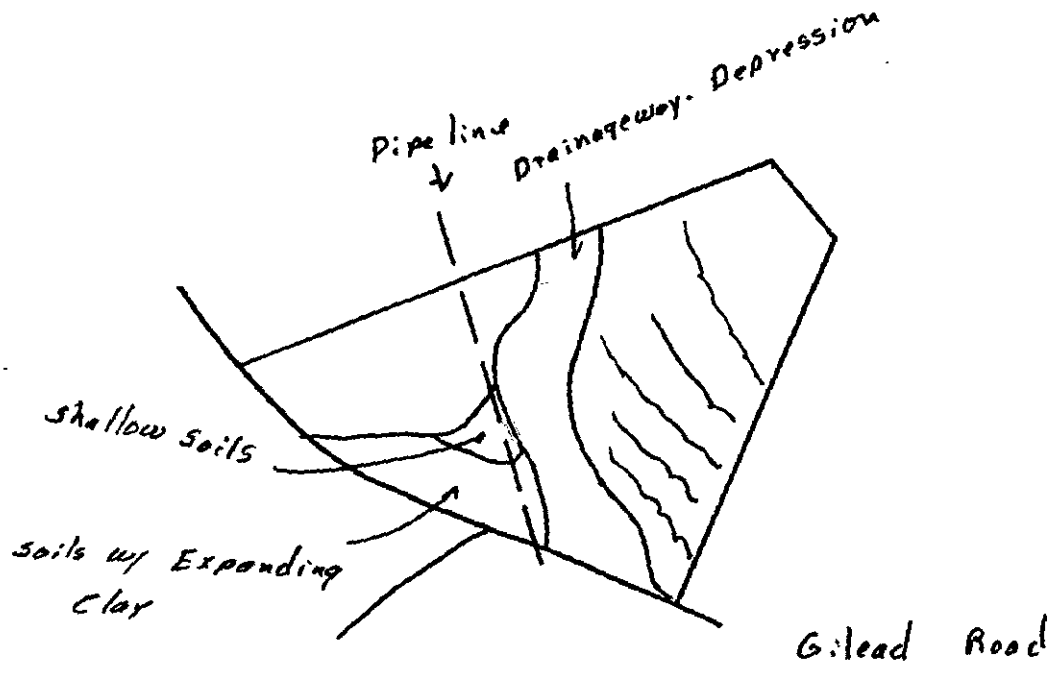
☐ Soils Appearing To Be Dominantly Unacceptable For Septic Tank System Installation

~~~ Complex Slopes

W.R. Marlin · Soil Scientist

4-11-89
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Pre - Preliminary 009-032-06



☐ Soils Appearing To Be Dominantly Acceptable For Septic Tank System Installation

☐ Soils Appearing To Be Dominantly Unacceptable For Septic Tank System Installation

~~~ Complex Slopes

W.R. Marlin - Soil Scientist

4-11-09
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File #5544A

Mecklenburg County
Health Department

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

April 11, 1989

Ronald J. Stephens, Jr.
RT. 1, Box 410
Iron Station, N.C. 28080

Dear Mr. Stephens:

A pre-preliminary investigation of soils and topography was conducted on the tract (parcel #009-032-06) located on Gilead Road. A soils map was prepared and a copy is enclosed.

The areas shaded yellow on the enclosed map appear to be dominantly unacceptable for the installation of septic tank systems. Included are old terraces, a drainageway-depression area, soils with expanding clay, an area of shallow soils, and the pipeline right-of-way.

The old terraces are found primarily on the right side of the tract as viewed from the road. Drainfields could not be installed across the terraces. Some of the terraces are very close together on the steeper slopes of the tract. The exact location of each terrace was not plotted on the enclosed map.

The drainageway-depression area collects and channels surface runoff from the surrounding land areas. Some surface flooding could be expected during periods of precipitation. Seasonal water was noted at a depth of approximately twenty-four inches.

An area of soils with expanding clay is present. The subsoil horizons of soils in this area have expanding clay minerals that swell upon becoming wet, reducing soil pore space. Internal water movement will be reduced as well. Perched water was noted at approximately twenty to twenty-four inches.

A small area of shallow soils was found on the tract. These soils have clay subsoil horizons that are blocky with respect to structure. Depth to saprolite is approximately twenty-four to thirty inches. Ground water depths will be greater than thirty-six inches. Slopes range to approximately fifteen percent.

Septic tank systems could not be installed in the pipeline right-of-way. The width of the right-of-way is fifty feet.

The soils in the unshaded 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 ground water is greater than thirty-six inches. Slopes range to approximately twenty percent, but are generally somewhat flatter.

Based on this investigation, there are areas on the tract with 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 based in part on the satisfactory completion of an investigation of each lot. No lots are currently marked on the tract. Note also that soil delineations may be subject to change pending additional investigation with established reference points. Inclusions of soils other that those delineated can and do occur.

Any lots developed on the tract would require that a one hundred percent repair area be available for septic tank system installation. It is recommended that any private wells be located one hundred feet from any part of a septic tank system. It is also recommended that lots requiring both wells and septic tank systems be an acre in size. Lots served by a community or municipal water system and requiring only a septic tank system are recommended to be three-fourths of an acre in size. Lot sizes larger than those recommended might be necessary in certain situations. Please contact me if there are any questions with regard to this report.

Sincerely,

William R. Marlin

William R. Marlin
Soil Scientist

APPLICATION FOR SOIL INVESTIGATION

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 5544A

TC: 009-032-06

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: Gilead Rd. @ ~~Hutter~~ Bud Henderson Rd.

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

⑤ PARCEL REFERENCE: BOOK NO.: _____ PAGE NO.: _____ PARCEL NO.: 09-32-06

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

OWNER

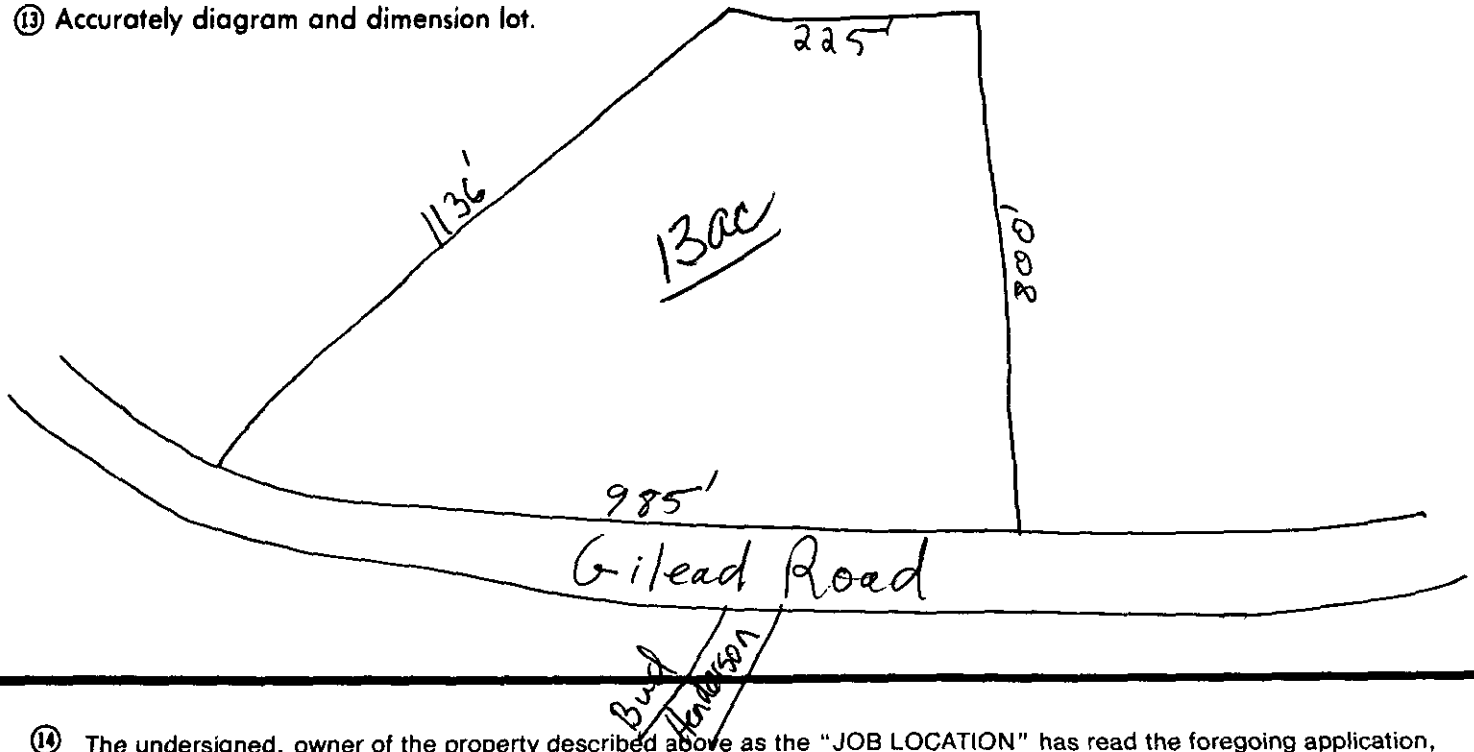
⑦ NAME: Ronald J. Stephens Sr.
(FIRST) (MIDDLE) (LAST)

⑧ MAILING ADDRESS: Rt. 1 Box 410

⑨ CITY: Iron Station ⑩ STATE: N.C. ⑪ ZIP: 28080

⑫ PHONE: (WORK) 598-7890 (HOME) 704-732-6181

⑬ Accurately diagram and dimension lot.



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 HEALTH DEPARTMENT to enter onto the property for the purpose of processing this request.

✓ Signed: Ronald J. Stephens Sr.

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

✓ Date: 3-21-89

WHITE - HEALTH DEPARTMENT'S COPY • CANARY - ENVIRONMENTALIST'S COPY • PINK - OWNER'S COPY

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION

CHARGE SLIP

Date 3/21/89

Name/Company Jensen & Assoc

Sanitation _____

Vector Control _____

O.P.W.D. ✓

Service: Pub. Pool. Bac.
H 5544A

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAID

MAR 21 1989

CK # 1713

Fee: $ 115 —

Completed by

Collected by