DEPARTMENT OF ENVIRONMENTAL HEALTH
MECKLENBURG COUNTY, NORTH CAROLINA

SITE EVALUATION

S.I.R. NO. 21563

T.C. NO. P 031-122-12

(Ground Absorption Sewage Disposal)

OWNER: G.H. HARWOOD
ADDRESS: R-6-Box 744A HARWOOD LANE 28208

PLAT NO:
LOT SIZE: 1A+

LOCATION OF SITE: HARWOOD LANE

SITE 4

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4
1. SLOPE (%)	S (PS) 2-6 U	S PS U	S PS U	S PS U
2. SOIL TEXTURE (12-36 inches) Sandy, Loamy, Clayey (Note 2-1 Clay)	S PS (U) Mixed Clay	S PS U	S PS U	S PS U
3. SOIL STRUCTURE (12-36 inches)	S PS (U) Weak Blocky	S PS U	S PS U	S PS U
4. SOIL DEPTH (inches)	S PS (U) 2"-18"	S PS U	S PS U	S PS U
5. RESTRICTIVE HORIZONS (Inches) (Impervious strata, Rock)	S (PS) NONE U	S PS U	S PS U	S PS U
6. SOIL DRAINAGE/GROUNDWATER (external and internal)	S PS (U) High water table Slow Drainage	S PS U	S PS U	S PS U
7. OTHER (Specify)	S PS U	S PS U	S PS U	S PS U

8. SOIL GROUP: IVe

9. SITE CLASSIFICATION: UNSUITABLE

10. SOIL SERIES: WILKES

S - Suitable PS - Provisionally Suitable U - Unsuitable

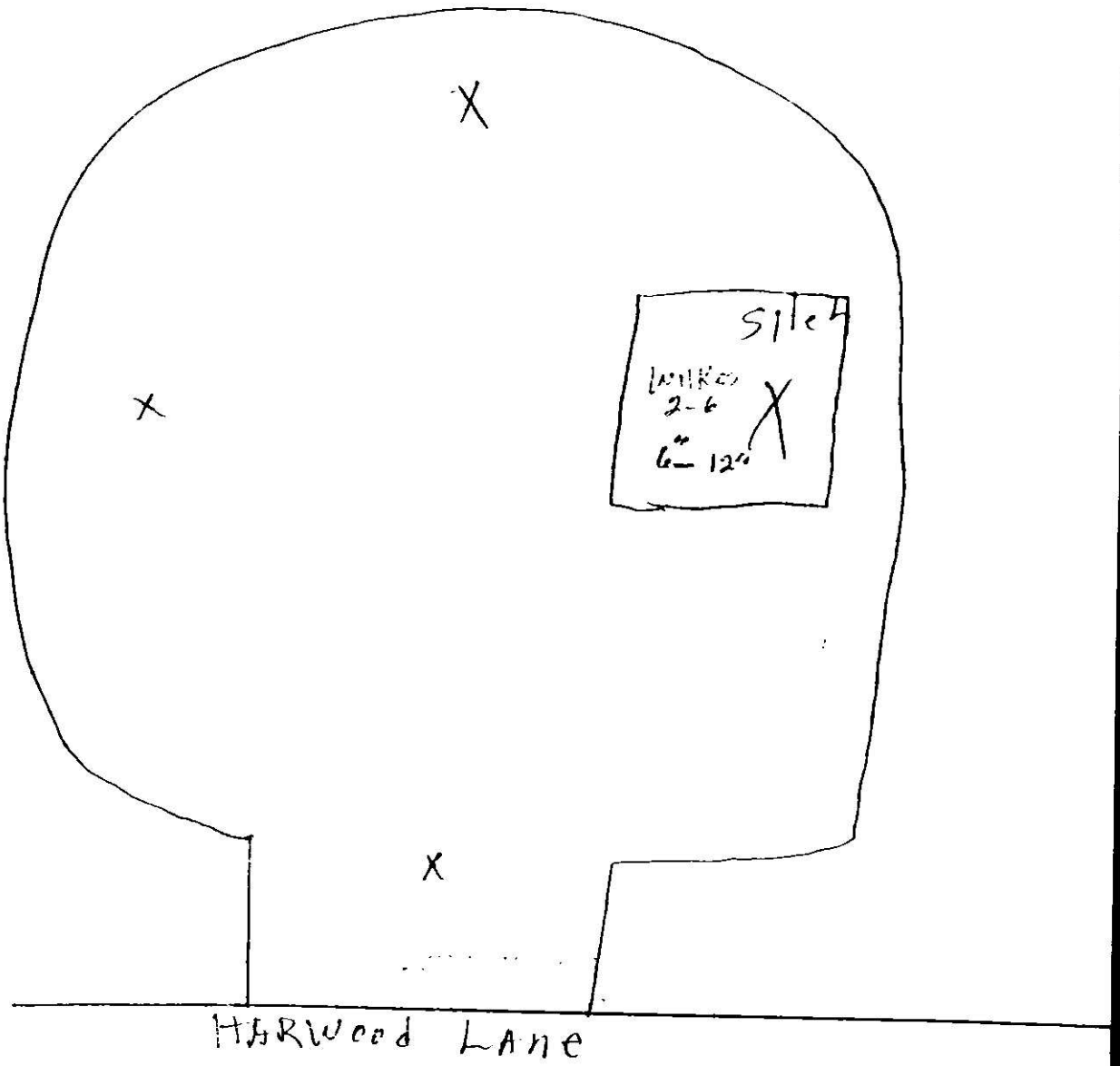
**See Diagram on Back (includes: soil areas, property lines, roads, streams, gullies, wet areas, fill areas, wells, water bodies, slopes)

Recommendations/Comments: 12" H2O Table [illegible] unsuitable [illegible] change in status if [illegible]

Described by: William Kinney
Title: Soil Scientist

Date: 10-22-84

3F


Site
Walks
2-6
6" - 12"
HARWood LANE

MECKLENBURG COUNTY
Department of Environmental Health

October 24, 1984

G. H. Harwood
Route 6, Box 744-A
Charlotte, NC 28208

Re: Property located at Harwood Lane, Site 4, SIR 21563, TC #PO 031-172-12

Dear Sir:

At your request a soils investigation was conducted on the property designated above. Results of this investigation showed the site to be classified as unsuitable under criteria as set forth in Section .1900 of the North Caroline Administrative Code, Title 10, Department of Human Resources, Chapter 10, Division of Health Services; Sanitary Engineering Section, Subchapter 10A, Sanitation.

The soil on this property is not suitable for use with any conventional system, modified or alternative, with which I am aware.

If I can be of assistance, please feel free to call.

Sincerely,

Bill D. Hardister, Jr.

Bill D. Hardister, Jr.
Environmental Health Supervisor

Enclosure

SIR 21560
21561
21562
21563

MECK COUNTY DEPARTMENT OF
RECEIVED
JUL 11 1985
ENVIRONMENTAL HEALTH

North Carolina Department of Human Resources
North Central Regional Office • 310 East Third Street • Winston-Salem, N. C. 27101

James G. Martin, Governor

July 2, 1985

Phillip J. Kirk, Jr., Secretary

MEMORANDUM

TO: Bill D. Hardister
Environmental Health Supervisor
Mecklenburg County Health Department

FROM: Joel W. Cawthorn
Soil Specialist
Division of Health Services

SUBJECT: Soil/Site Evaluation of G.M. Harwood Property on Harwood Lane

On June 26, 1985, Willard Ramsey accompanied me and assisted with the soil/site evaluation of the above named property to determine its suitability for installation of a ground absorption sewage treatment and disposal system for a three bedroom house. There is 14 acres of land and water must be obtained from a well. Mr. and Mrs. Harwood were present during the evaluation.

The land is gently sloping with three (3) ephemeral streams heading on the property. Two of these streams have stock ponds on them near the property lines. There are several large lakes near the back property line on adjoining property.

The soils have seven (7) to thirteen (13) inches of sandy loam surface soil over clay (group IVa and IVb) subsoil which is underlain by saprolite. In a few places, the subsoil is clay loam or sandy clay loam. The seasonal watertable is at depths ranging from six (6) to more than thirty-eight (38) inches below the ground surface. Total soil depth to unsuitable soil material or saprolite ranges from six (6) to more than forty (40) inches.

The site is unsuitable for a conventional ground absorption system or a standard low pressure pipe system because of the shallow and variable depth of soil over unsuitable soil material or saprolite, shallow depth to seasonal watertable or insufficient space. However, there is an area near the right rear corner of the property where a modified low pressure pipe system can be installed.

If this modified low pressure pipe system is installed, it should be in trenches no more than six (6) inches deep and the ditches should be on the contour and loamy soil should be used to cover the nitrification field for protection of the system.

If there are questions concerning this evaluation, please contact me.

JWC:kd
cc: Dean Harrill
Steve Steinbeck

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