

APPLICATION

PERCOLATION TESTING

A 516522

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 2/17/02

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ROBERT P. BUICE

ADDRESS 7979 MONCASTER MILL RD. PHONE 410-975-0020

AGENT OR PROSPECTIVE BUYER DONALD R. REWER

ADDRESS 8000 MAIN STREET PHONE 410-480-9105

PROPERTY LOCATION:

SUBDIVISION BUICE PROPERTY Sec II LOT NO. 2A 23

ROAD AND DESCRIPTION 850'± WEST OF THE "T" INTERSECTION OF ROXBURY ROAD & ROXBURY ROAD "SEE VICINITY MAP"

TAX MAP 21 PARCEL # 84

SIZE OF LOT 2 AC ± TYPE BLDG. SINGLE FAMILY DWELLING
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. DONALD R. REWER
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

1961

red-brown silt-lm

beige-tan silty clay lm

tan-brown fine sandy lm

0-5% ROCK FRAGS

1962

brown topsoil beige-tan silt-lm

tan-brown fine sandy lm 0-5% ROCK FRAGS

1963

beige-tan silt-lm

tan-brown fine sandy lm

0-5% ROCK FRAGS

SOIL PROFILE

1964

red-brown silt-lm

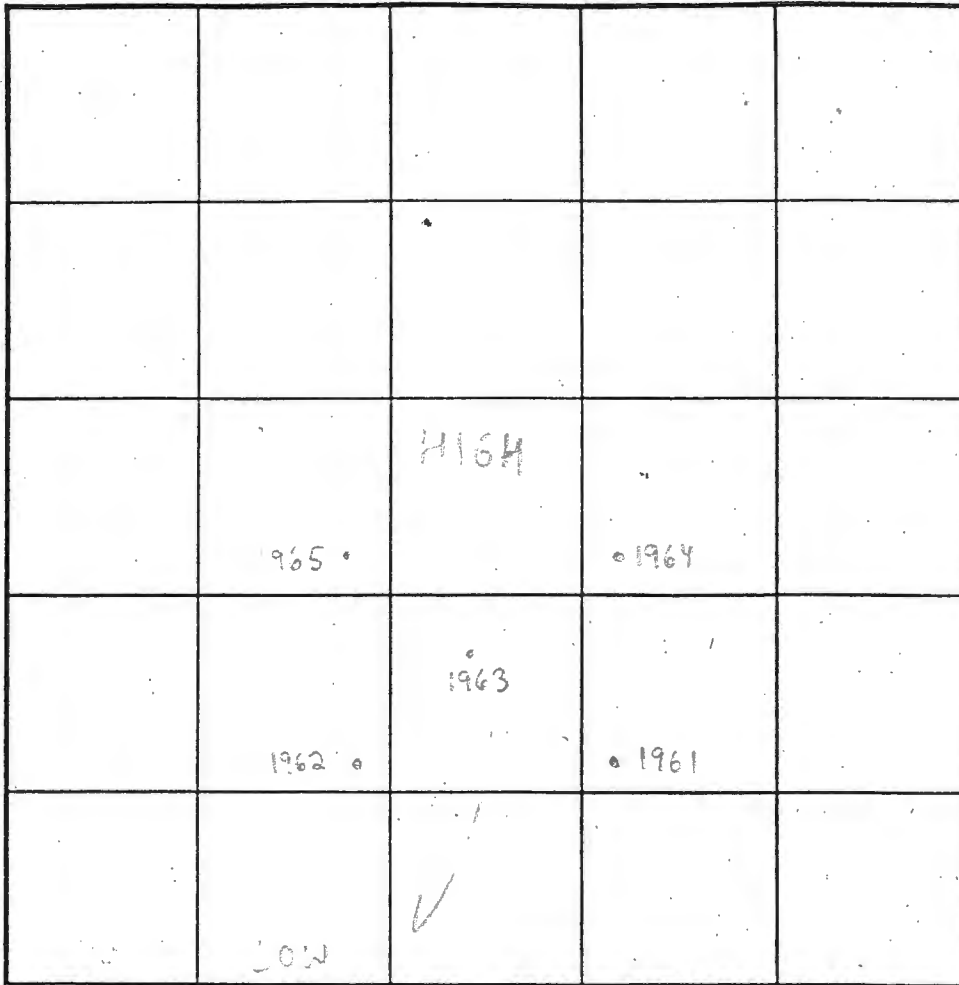
beige-tan sandy lm clay tan-brown fine sandy lm

0-5% ROCK FRAGS

1965

beige-tan silt-lm

tan-brown fine sandy lm 0-5% ROCK FRAGS HARD



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
5/29/02	1961	5' T 12' V	11:24am	11:30am	11:30am	11:37am	7min	OK
	1962	6' T 15' V	11:15am	11:19am	11:19am	11:24am	5min	OK
	1963	14' V	CVISUAL OK		SEE SOIL PROFILE			OK
	1964	5 1/2' T 12' V	11:37am	11:39am	11:39am	11:41am	2min	OK
	1965	5 1/2' T 11' V	11:41am	11:43am	11:43am	11:47am	4min	OK

REMARKS Tests in Woods

TYPE OF SOIL Gley

TESTED BY SRK Backhoe = Big Mike Johnson ALSO PRESENT Don Kowalec, Willie Secor, Lyle Price, Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH MAXIMUM BOTTOM DEPTH SQ. FT/BEDROOM

14'



Bureau of Environmental Health

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Maura J. Rossman, M.D., Health Officer

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: _____

Subdivision: Cattail Overlook Lot: 3

Initial system: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 7

1st Replacement: Application rate: 1.2 Effective area beginning depth: 5 Bottom maximum depth: 8

2nd Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 8

Design Flow = 150 gallons per day per bedroom

Design flow + application rate = square footage of drainfield required

Linear length of trench required = drainfield square footage x sidewall reduction percentage + trench width

Sidewall reduction credit formula:

$\frac{W + 2}{W + 1 + 2D} \times 100 =$ Percent of length of standard trench where W=trench width and D= depth between effective area beginning depth and trench bottom.

Standard design requirements:

- All trenches must be equal length unless low pressure dosed
- All trenches must be on contour
- Minimum trench spacing: 10' for all trenches utilizing sidewall reduction credit. Additional spacing may be necessary for any trench using over 3.5' of effective sidewall. In those cases, the spacing formula is 2D +W up to a maximum spacing of 18'.
- Minimum trench spacing for trenches with no sidewall credit (bottom area only) is 6' for a 2' wide trench and 9' for a 3' wide trench (spacing is measured edge to edge)
- Maximum trench length is 100'
- Maximum pipe depth is 4'

Additional requirements:

Approved: Hank Oswald Date: 2/22/17

Lot 2
3.206 AC.

Lot 3
3.237 AC.

Forest Conservation
Easement No. 1
140 Ac.
(Area Does Not Include
Floodplain)

Res. C
Agriculture

