

APPLICATION

PERCOLATION TESTING

A 517383

P _____

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

DISTRICT _____

DATE 7/25/2002

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 M. MELCHIOR

ADDRESS 1670 HENRYTON RD MARRIOTTVILLE, MD 21104

AGENT OR PROSPECTIVE BUYER H. BLEVINS

ADDRESS 4140 RIDGE RD. WESTMINSTER, MD. 21157 PHONE 410 875-9067

PROPERTY LOCATION:

SUBDIVISION CLUSTER SUBDIVISION LOT NO. #4

ROAD AND DESCRIPTION EAST SIDE WOODFORD DRIVE

TAX MAP 10 PARCEL # 184

SIZE OF LOT 1.1 Ac TYPE BLDG. SFD
(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. [Signature]
(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

517383

COUNTY #

SOIL PROFILE

0' (R4)
 org brn
 Brown
 Sloam
 2'
 fine
 micaceous
 sand
 4'
 small
 Rock
 frags
 ~15-20%
 platy
 soil
 structure
 Bottom
 12'

plenty of Tx zone

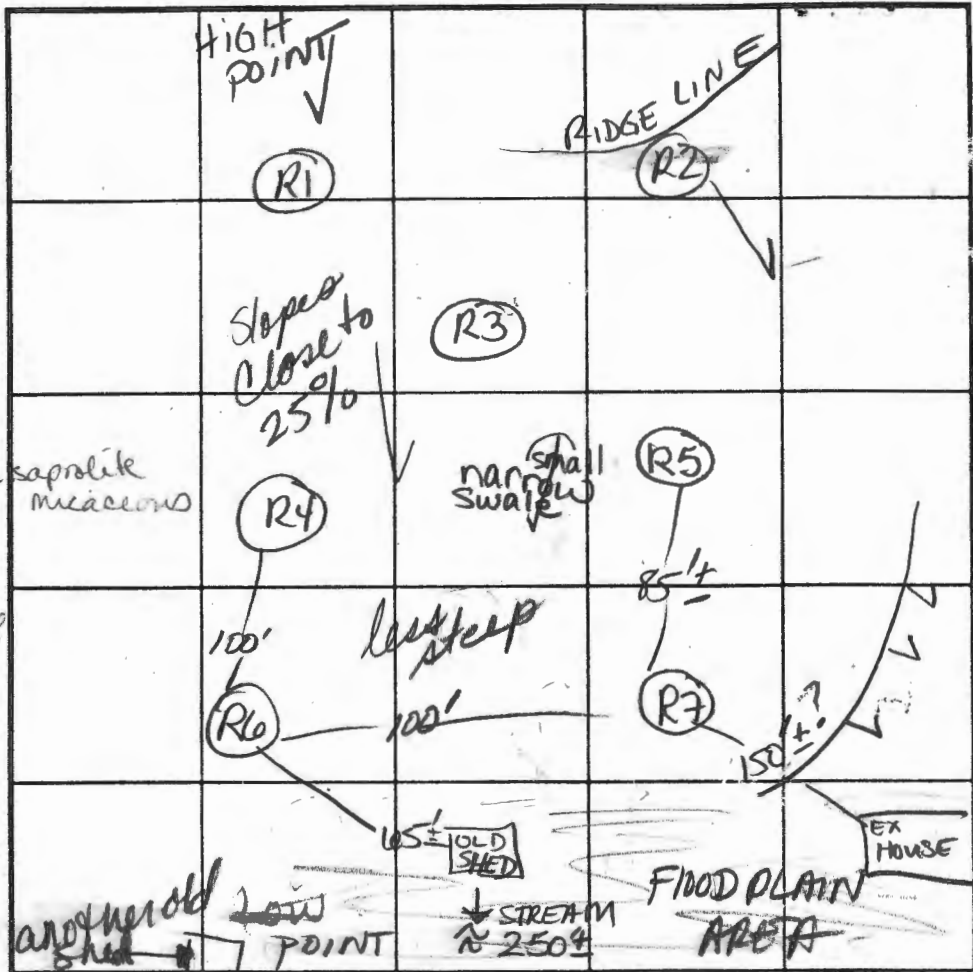
(R5)

DR brn
 micaceous
 Loamy
 Sand-
 Sand
 2'
 fine
 et brn
 fine
 sand
 Rx 5-10%
 Bottom
 12'

plenty of Tx zone

(R6)

Strong
 Brown
 Loam-
 Silm
 Rx - platy
 ~10% - 15%
 Mini Boulders
 10%
 @ 3 1/2 - 4 1/2"
 8 1/2'
 wk
 org brn
 Y brn
 Loam
 Rx < 10%
 some sand
 mn aggregation



SOIL PROFILE

0' (R7)
 et brn
 brn
 loam -
 Sloam
 2'
 et brn
 brn
 SAND
 Rx 10%
 micaceous
 fine
 med.
 grain
 platy
 structure
 12'

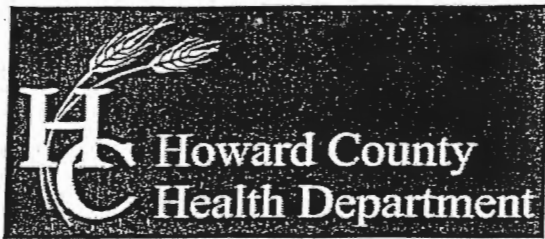
R5 @ 4' 12x12
 2:17:10
 2:23
 2:30 7min

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

H2O line runs below the two old sheds

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
8-26-02	OK (R4)	1'2"	10:06:55	10:13	10:13	10:22	9min
	OK (R5)	1'2"	10:23:00	10:23:30	10:23:30	10:24:18	
		post hole size	10:24:55	10:26:00	10:26:00	10:27:30	1 1/2 min
	NOT BEING USED (R2)	1'2"	10:32:18	10:34:17	10:34:17	10:32:30	3 min
	USED (R1)	1'	10:47:11	10:59	10:59	11:19	20 min
	(R3)	1'6"	11:05	No more too slow			NA Fail
	OK (R6)	1 1/2 3 1/2"	11:47 1:32:33	11:53 1:46:00	11:53 1:46:00	12:10 2:01	17 min ~15 min
	OK (R7)	1'2"	12:15:50	12:22		12:34	12 min
	OK (R4)	3 1/2 retest	12:44:35 12:48:03	12:45:15 12:49:21	12:45:15	12:46:25	1 1/2 min
		5 1/2"	12:41:10	12:42:10		12:43:15	1 1/2

REMARKS: Holes R6 + R7 not per plan
 TYPE OF SOIL: Soil in drought condition
 TESTED BY: Kacie
 ALSO PRESENT: Henry Blevins
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____



Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: Fuzzy Hollow Way

Subdivision: Melchior Property Lot: 1

Initial system: Application rate: 1.2 Effective area beginning depth: 2 Bottom maximum depth: 5
1st Replacement: Application rate: 1.2 Effective area beginning depth: 2 Bottom maximum depth: 5
2nd Replacement: Application rate: 0.8 Effective area beginning depth: 2 Bottom maximum depth: 6

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:

(W + 2) / (W + 1 + 2D) x 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:

BAT unit

Approved: [Signature]

Date: 7/22/15