

APPLICATION

PERCOLATION TESTING

A 518006-L

P _____

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

DISTRICT _____

DATE 11/22/02

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 RICHARD MYRTLE & W.F.

ADDRESS 3504 MYRTLE ST. PHONE _____

AGENT OR PROSPECTIVE BUYER EDWYD SAC. 294 38. 3723
JAMES KEELTY & CO. INC.

ADDRESS 61 E. PADERNA RD. PHONE 410-252-8600
TIMONIUM, MD 21093

PROPERTY LOCATION:

DIVISION _____ LOT NO. 13

ROAD AND DESCRIPTION 1795 WOODSTOCK RD.
WOODSTOCK MD 21163

TAX MAP 10 PARCEL # 925

SIZE OF LOT 148.636 AC TYPE BLDG. SINGLE FAMILY
(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.

Richard Myrtle
Pauline F. Myrtle
(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

5180006

COUNTY #

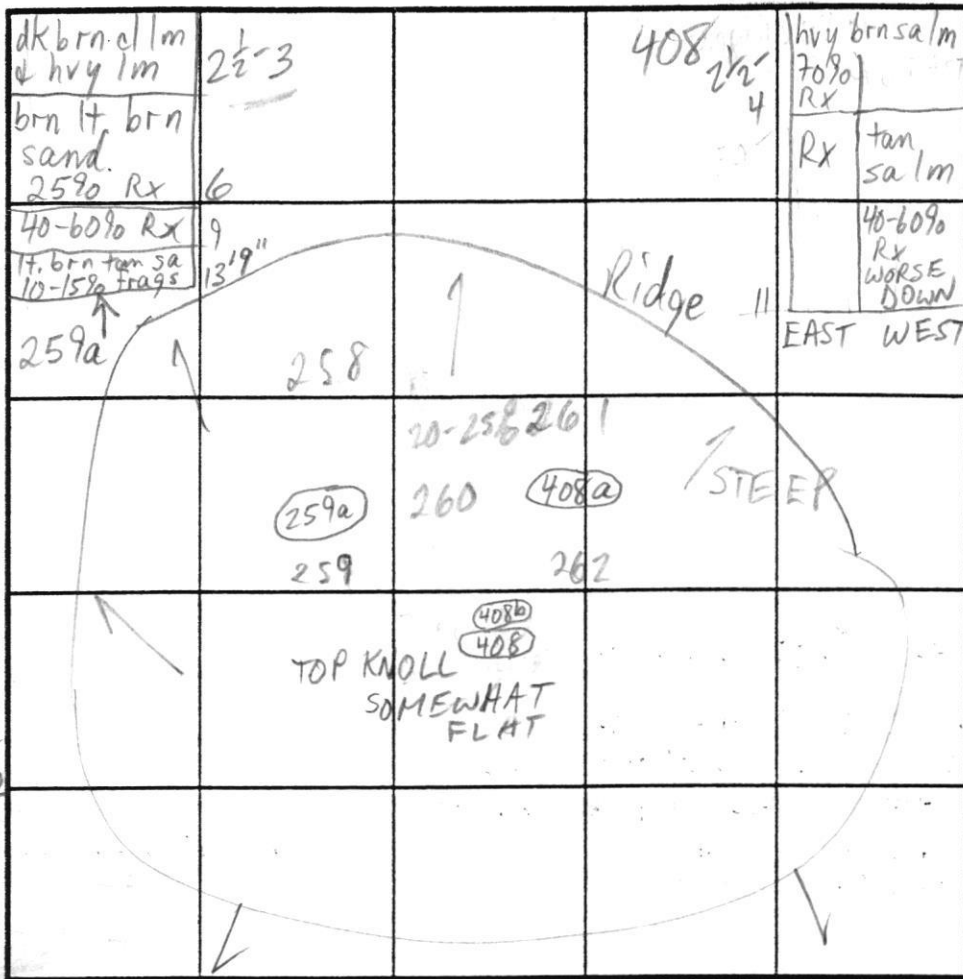
SOIL PROFILE

0' 262
brn hvy lm
cl lm
4-5 tan lt. brn compacted salm
10-20% frags

UP 261 Δ N & CENTER

brn hvy lm
tan brn compacted sa lm
15' 25-25% 35% frags frags

260
brn gray hvy lm
tan lt. brn compacted
brn gray salm
15% frags w/ several pockets
25-50% frags
12 HARD BOT



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0' 259
brn hvy lm
40-50% Rx
comp. tan gray sa lm
10-20% Rx
12 HARD BOT

408a
dk brn hvy lm
brn sa mi lm
10% frags

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/10/03	262	6 1/2	3:48	3:59	3:59	4:19	20 EST
	261	6 1/2	3:54	3:57	3:57	4:00	3
	260	8 1/2	4:27	4:35	4:35		
	259	8	4:50	5:05	1/2 - 3/4"		FAIL
5/14/03	408	11	ROCK				FAIL
	408b	7 ±	SIM TO 408		NO ROCK		OK
	408a	12					OK
	259a	6'3"	4:05	4:10	4:10	4:24	14

REMARKS ALL HOLES MARGINAL TO FAIL, NO SOLUTION APPARENT

TYPE OF SOIL _____
 TESTED BY MR ALSO PRESENT hoe men
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

318004
COUNTY #

SOIL PROFILE
257

0' Erown SLm
2'
Bn Lm S
3'
Str brn
brn
bluish
color foam
parent Rx
min. - low test
215%

256

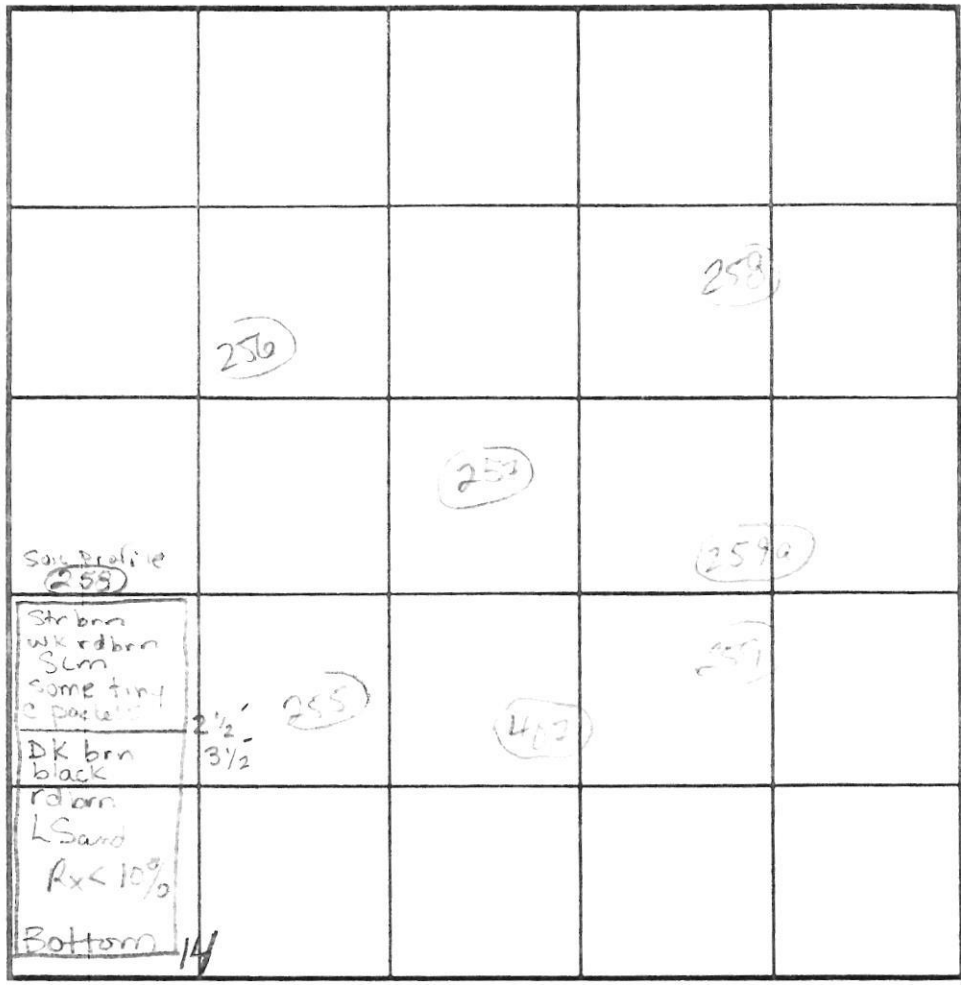
Str brn
2L Lm
rd brn
Yarn SLm
H. Bottom

255

Strong
brn
M. med
CLM

Md- gr
or SAND
w. clay
Str. red soil
LAND
-11'

25%
pocket
sn clay
white Rx
H. Bottom



SOIL PROFILE
407

0' Erown
1 Lm
2 Lm
40% Rx
tan H. brn
sand LP
35% 60%
Rx Rx
11

257A

dk brn cl m
2 1/2'
brn H. gr sa
25% Rx
40-60% L
dk brn H. sa
10-15% Rx

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3-11-03	257	7" / 14"	10:05	10:08	"	10:12	24 min	OK
	256	7" / 12.5"	10:10	10:20	"	10:44	24 min	OK
	255	7" / 12.5"	10:19	10:21	"	10:26	5 min	OK
	258	8" / 14"	10:30	10:33	"	10:45	12 min	OK
5/14/03	407 ✓	11"	4:05	4:10	4:10	4:24	14 min	OK
	257A ✓	13.9"						

REMARKS: Notes dug per plan 2" x 2" for test

TYPE OF SOIL: _____

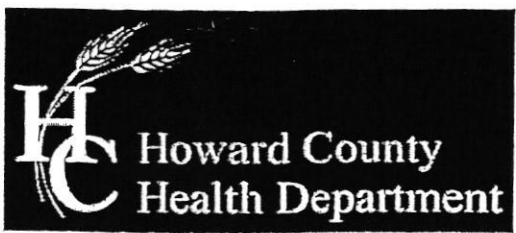
TESTED BY: KN & MK ALSO PRESENT: P. Sherry

TRENCH DESIGN DATA. AVERAGE PERCOLATION TIME: _____ TRENCH WIDTH: _____

INLET DEPTH: _____ MAXIMUM BOTTOM DEPTH: _____ SQ FT/BEDROOM: _____

Perc Cert signed
by H.O. on
10-24-03





Bureau of Environmental Health

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Twitter: HowardCoHealthDep

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 1853 Davis Branch Road

Subdivision: Myrtue Property Lot: 13

259, 259a, 260, 408a Initial system: Application rate: 0.6 Effective area beginning depth: 3 Bottom maximum depth: 3
260, 260a, 258 1st Replacement: Application rate: 0.8 Effective area beginning depth: 4 Bottom maximum depth: 3
258 2nd Replacement: Application rate: 0.8 Effective area beginning depth: 3 Bottom maximum depth: 3

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:

- Trenches must be located to provide room for 3 systems in the disposal area
All trenches must be equal length unless low pressure dosed
All trenches must be on contour
Tank and trenches must be placed as shallow as possible while maintaining 2% fall in pipe from house and at least 18" cover over trenches. If 2% fall from house is not possible, the minimum allowable fall is 1%.
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: R Bricker Date: 7/16/2020