



HOWARD COUNTY HEALTH DEPARTMENT

Diane L. Matuszak, M.D., M.P.H., County Health Officer

October 6, 1999

Mr. and Mrs. John Brinker
12275 Carroll Mill Road
Ellicott City, MD 21042

RE: Percolation Test Results
Proposed Use: Subdivision
Property ID: Brinker Property
Woodmark, Section 13, Lots 6 & 7
Tax Map 22, Grid 6, Parcel 521
Triadelphia Road

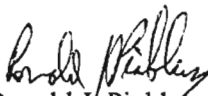
Dear Mr. and Mrs. Brinker:

Percolation testing conducted June 3, 1999, on the above referenced property indicated mostly unsatisfactory soil conditions. Limiting conditions were soil conditions associated with seasonally high water tables and slow percolation rates at 5 of 6 test sites. Site #2 was satisfactory. However, additional testing of that area would be necessary to demonstrate sufficient usable area for one initial and 2 replacement sand mound septic systems. This site is further limited by the location of 2 existing wells on the 2 existing parcels.

Copies of the percolation test results are enclosed. These tests were specific for sand mound septic systems only. However, high water tables would rule out any subsurface sewage disposal systems at most of the locations tested.

If you have any questions regarding this matter, please feel free to contact me at the above address or by calling 410-313-2640.

Very truly yours,


Ronald J. Pinkley, R.S.
Water and Sewerage Program

RJP/mlb
cc: File

Brinker
Sect 13 woodmark lot 6+7 Sect I
TH 22 Grid 6 P52/ 66 6+7
1704510mN
4055123mE

23 522



Additional Remarks-

BY:

TEST DATA

NAME	<u>Brinker Property</u>	FILE NO	
LOCATION	<u>Triadelphia Rd</u>	COUNTY	<u>Howard</u>
		DATE	<u>6/3/99</u>
		GRID	
RECORDED BY	<u>R. M. Wiley</u>		

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
3	I 3	17"-22"	2:35 3:26 4:02	> 51 min > 1/8" in 36 min Too Slow	7" 6 5/8" 6 1/2"	

Fail

TEST DATA

NAME	Bruiser	FILE NO	
LOCATION	Trinidad, P.R. (old woodman lots 6, 7)	COUNTY	Howard
		DATE	6/3/99
		GRID	E
RECORDED BY	PPR/ldg		N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
OK 2 (150' from #1)	I2	14-19"	3:06 3:16 3:36" Repair		7" even 6 1/4" 5 3/8"	Test hole is 7.5' ± to swale full of skunk cabbage (1/2" drainage swale) Some staves in nearby shelf at this level
			3:39 4:01 4:08 4:24 4:44 5:04	3/4" in 22 min 1/2" in 15 10/16" 10/16" in 20 min	7 1/2" 6 1/4 4/16 6" even 5 7/16" 4 13/16" 4 3/16"	#2 Soil Profile Mostly upper part Ben Mica SL - 2 SL Cdy dense - May be mdf when moist at 50k structure of 20-33" than massive spherule microm yel brn - yel red & yellow No grey horizon in 14' test seals to 4 1/2 ft deep
		Final	~ OK	2" drop in ~ 30 60 min resp rate		
Needs in S. E. soil or fails due to glayed profile	#1	17-22"	3:59 4:09 4:22 4:42 5:06 5:42	3/4" in 60 min = 80 pi	7" 6 5/8" (10/16) 6 7/16" 6 1/8" (3/16) 5 13/16" 5 3/8 (5/16)	But soil profile glazed prismatic at 21-25" and massive pale grey spherulite deeper - expect very high seasonal water table here (with less than 24" of good soil to Not conventional subdivisionalizable.

SECTION

BY:

No blood zone.

D-3

SOIL PROFILE DESCRIPTION

SOIL PROFILE DESCRIPTION
old woodmark lots 6 & 9 - Brinker Property

MD. GRID:

TAX MAP/B/P:

SUBDIVISION:

DATE:

BY:

Slope% - 4%	EL. (ft) -	Chroma 2 -	Least Permeable Layers -
Landscape Position -		Water BLS - 5'	Limiting Zones - 5' soil wet at 45-60", saturated below 55"
Additional Remarks -			

TEST DATA

Times evaluated for $\text{Cov. } 5\frac{1}{2}\%$

NAME	Brinker Property	FILE NO.	
LOCATION	4 th Philadelphia Rd (old wood mark to 8+7)	COUNTY	Howard
		DATE	June 3, 1999
		GRID	E
RECORDED BY	R. Pridley		N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
6	6I	24"-28"	12:46:58 1:03:00 2:21	expressed 7/16" in 70 min <u>Too Slow</u> for saturation conventional S.P.'s	7" even 6 7/8" (1 1/4") 6 7/16"	set to deep densest CL layer @ 13"-24" less dense, loamier texture @ 24-28"
	6P	53"	12:45 1:00 1:13 No 2nd Nail 2:33	2nd Nail 2 1/2" in 80 min 2.40 mpi but this soil is below gleyed layer - Needs wet Season evaluation for perched water table @ 29" below grade	Top Nail Top 2nd Nail 1" post 3rd Nail	strong horizontal light blue gray Mottles - gray, Mottles, yellowish @ 29"-38" This perched water table is in red L-H SL layer @ 38"-50"

TEST DATA

NAME <u>Brinker Property</u>	FILE NO. _____
LOCATION _____	COUNTY _____
_____	DATE <u>June 3, 1989</u>
_____	GRID _____ E
RECORDED BY <u>R. Pinky</u>	_____ N

HOLE NO.	TEST NO.	DEPTH	CLOCK TIME	ELAPSED TIME	MEASUREMENT	REMARKS (Method, Moisture, Biopores)
55	I5	17-24	11:17 12:31 1:19 2:18	74 less than 1 1/2 in 3 hrs in presat	7" even 6 11/16 (23/36) 6 21/32 6 9/16 (18/32)	
5	P5	42"	12:31 1:17 2:16	105 min presat	Top Nail approx 5/8" from start 2nd Nail	

Fail

Fail

LOT SECTION Breaker Property Testing for 3rd or 4th previous approval 266

BY:

D-3