

APPLICATION

SEWAGE DISPOSAL TESTING

STATE OF MARYLAND - DEPARTMENT OF HEALTH AND MENTAL HYGIENE

A 31137
P _____

HOWARD COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH SERVICES
P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th.

DATE 2/4/81

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Henry H. Harjes, Jr.

ADDRESS 12240 Pointer Hill Court, Ellicott City PHONE 286-3864

PROPERTY LOCATION:

SUBDIVISION _____ LOT NO. Parcel 2

ROAD AND DESCRIPTION Off of Route 108

SIZE OF LOT 10.0 m/1 Acres TYPE BLDG. 3 or 4 Bedrooms

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.

SIGNATURE OF APPLICANT Henry H. Harjes, Jr.

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS Stephen G. Keil DATE 3/3/81

REASONS FOR REJECTION OR HOLDING shutted soil, hold for wet season
test OK 3/3/81

THIS IS NOT A PERMIT

1A-1
SOIL PROFILE

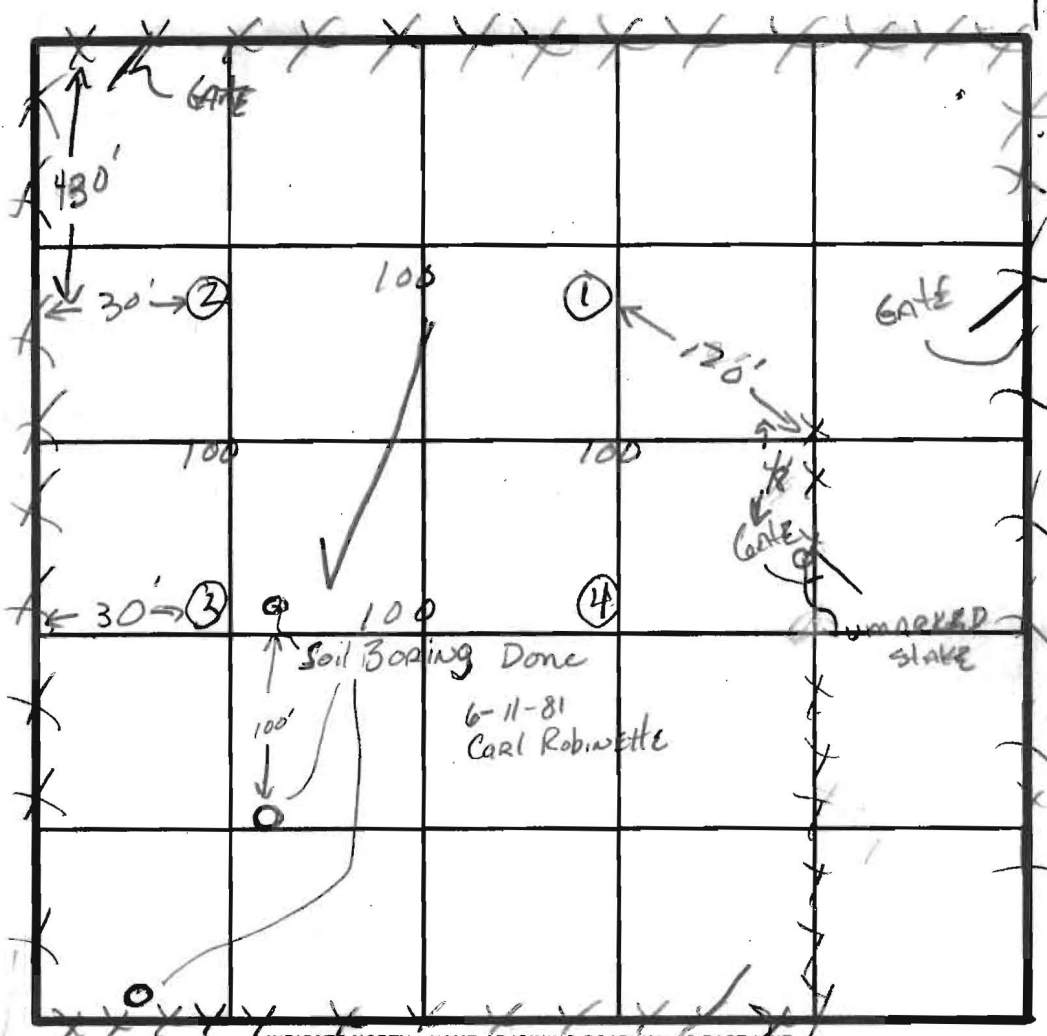
4'

6'

14'

Gray
Brown
SANDY
Loam
(some
Mottling)

Some Soft
Sandstone
in bottom



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
3/2/81	1S	4'	10:30	10:34	10:34	10:38	4
	1D	14'	10:30	10:32	10:32	10:34	2
	2S	5'	10:09	10:10	10:10	10:12	2
	2D	14'	10:09	10:13	10:13	10:17	4
	3S	3 1/2'	10:14	10:17	10:17	10:21	4
	3D	14'	10:14	10:23	10:23	10:40	17
	4S	4'	10:20	10:22	10:22	10:25	3
	4D	14'	10:20	10:25	10:25	10:30	5

REMARKS 6/11/81 Soil test borings accomplished (see sketch) J. Covalt S. Kiel Carl Robinette, R. Ziehm & F. Skinner present.

TYPE OF SOIL _____

TESTED BY SRV/S 3/2/81 ALSO PRESENT Pauletta

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P.O. BOX 476 ELLICOTT, MARYLAND 21043
TELEPHONE: 992-2330

DISTRICT 5th.

DATE 2/4/81

Miles Home Phone 596-9577

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I, HEREBY, APPLY FOR THE NECESSARY TEST IN ORDER TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER ~~Henry H. Harjes, Jr.~~ G. Warren Miles

854-2777

ADDRESS 12240 Pointer Hill Court, Ellicott City PHONE 286-3864

PROPERTY LOCATION

SUBDIVISION _____ LOT NO. Parcel 2

12720 Clarks Mill Pike
ROAD AND DESCRIPTION Off of Route 108 - going towards Highland after you

pass beauty salon on right - 2nd driveway on right - long
driveway back to property past existing farm on this driveway.
SIZE OF LOT 10.0 m/1 Acres TYPE BLDG. 3 or 4 Bedrooms

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE.

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ANY CIRCUMSTANCES.

SIGNATURE OF APPLICANT Henry H. Harjes, Jr.

APPROVED BY Stephen G. Kiel + Frank Skinner FOR Trenches DATE 7/14/81

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS Stephen Kiel DATE 3/2/81

REASONS FOR REJECTION OR HOLDING Hold for wet season test, natural soil

from 6' down 5/4

THIS IS NOT A PERMIT

11A1
SOIL PROFILE

6' 0"

6' 6"

6' 12"

6' 18"

6' 24"

6' 30"

6' 36"

6' 42"

6' 48"

6' 54"

6' 60"

6' 66"

6' 72"

6' 78"

6' 84"

6' 90"

6' 96"

6' 102"

6' 108"

6' 114"

6' 120"

6' 126"

6' 132"

6' 138"

6' 144"

6' 150"

6' 156"

6' 162"

6' 168"

6' 174"

6' 180"

6' 186"

6' 192"

6' 198"

6' 204"

6' 210"

6' 216"

6' 222"

6' 228"

6' 234"

6' 240"

6' 246"

6' 252"

6' 258"

6' 264"

6' 270"

6' 276"

6' 282"

6' 288"

6' 294"

6' 300"

6' 306"

6' 312"

6' 318"

6' 324"

6' 330"

6' 336"

6' 342"

6' 348"

6' 354"

6' 360"

6' 366"

6' 372"

6' 378"

6' 384"

6' 390"

6' 396"

6' 402"

6' 408"

6' 414"

6' 420"

6' 426"

6' 432"

6' 438"

6' 444"

6' 450"

6' 456"

6' 462"

6' 468"

6' 474"

6' 480"

6' 486"

6' 492"

6' 498"

6' 504"

6' 510"

6' 516"

6' 522"

6' 528"

6' 534"

6' 540"

6' 546"

6' 552"

6' 558"

6' 564"

6' 570"

6' 576"

6' 582"

6' 588"

6' 594"

6' 600"

6' 606"

6' 612"

6' 618"

6' 624"

6' 630"

6' 636"

6' 642"

6' 648"

6' 654"

6' 660"

6' 666"

6' 672"

6' 678"

6' 684"

6' 690"

6' 696"

6' 702"

6' 708"

6' 714"

6' 720"

6' 726"

6' 732"

6' 738"

6' 744"

6' 750"

6' 756"

6' 762"

6' 768"

6' 774"

6' 780"

6' 786"

6' 792"

6' 798"

6' 804"

6' 810"

6' 816"

6' 822"

6' 828"

6' 834"

6' 840"

6' 846"

6' 852"

6' 858"

6' 864"

6' 870"

6' 876"

6' 882"

6' 888"

6' 894"

6' 900"

6' 906"

6' 912"

6' 918"

6' 924"

6' 930"

6' 936"

6' 942"

6' 948"

6' 954"

6' 960"

6' 966"

6' 972"

6' 978"

6' 984"

6' 990"

6' 996"

6' 1002"

6' 1008"

6' 1014"

6' 1020"

6' 1026"

6' 1032"

6' 1038"

6' 1044"

6' 1050"

6' 1056"

6' 1062"

6' 1068"

6' 1074"

6' 1080"

6' 1086"

6' 1092"

6' 1098"

6' 1104"

6' 1110"

6' 1116"

6' 1122"

6' 1128"

6' 1134"

6' 1140"

6' 1146"

6' 1152"

6' 1158"

6' 1164"

6' 1170"

6' 1176"

6' 1182"

6' 1188"

6' 1194"

6' 1200"

6' 1206"

6' 1212"

6' 1218"

6' 1224"

6' 1230"

6' 1236"

6' 1242"

6' 1248"

6' 1254"

6' 1260"

6' 1266"

6' 1272"

6' 1278"

6' 1284"

6' 1290"

6' 1296"

6' 1302"

6' 1308"

6' 1314"

6' 1320"

6' 1326"

6' 1332"

6' 1338"

6' 1344"

6' 1350"

6' 1356"

6' 1362"

6' 1368"

6' 1374"

6' 1380"

6' 1386"

6' 1392"

6' 1398"

6' 1404"

6' 1410"

6' 1416"

6' 1422"

6' 1428"

6' 1434"

6' 1440"

6' 1446"

6' 1452"

6' 1458"

6' 1464"

6' 1470"

6' 1476"

6' 1482"

6' 1488"

6' 1494"

6' 1500"

6' 1506"

6' 1512"

6' 1518"

6' 1524"

6' 1530"

6' 1536"

6' 1542"

6' 1548"

6' 1554"

6' 1560"

6' 1566"

6' 1572"

6' 1578"

6' 1584"

6' 1590"

6' 1596"

6' 1602"

6' 1608"

6' 1614"

6' 1620"

6' 1626"

6' 1632"

6' 1638"

6' 1644"

6' 1650"

6' 1656"

6' 1662"

6' 1668"

6' 1674"

6' 1680"

6' 1686"

6' 1692"

6' 1698"

6' 1704"

6' 1710"

6' 1716"

6' 1722"

6' 1728"

6' 1734"

6' 1740"

6' 1746"

6' 1752"

6' 1758"

6' 1764"

6' 1770"

6' 1776"

6' 1782"

6' 1788"

6' 1794"

6' 1800"

6' 1806"

6' 1812"

6' 1818"

6' 1824"

6' 1830"

6' 1836"

6' 1842"

6' 1848"

6' 1854"

6' 1860"

6' 1866"

6' 1872"

6' 1878"

6' 1884"

6' 1890"

6' 1896"

6' 1902"

6' 1908"

6' 1914"

6' 1920"

6' 1926"

6' 1932"

6' 1938"

6' 1944"

6' 1950"

6' 1956"

6' 1962"

6' 1968"

6' 1974"

6' 1980"

6' 1986"

6' 1992"

6' 1998"

6' 2004"

6' 2010"

6' 2016"

6' 2022"

6' 2028"

6' 2034"

6' 2040"

6' 2046"

6' 2052"

6' 2058"

6' 2064"

6' 2070"

6' 2076"

6' 2082"

6' 2088"

6' 2094"

6' 2100"

6' 2106"

6' 2112"

6' 2118"

6' 2124"

6' 2130"

6' 2136"

6' 2142"

6' 2148"

6' 2154"

6' 2160"

6' 2166"

6' 2172"

6' 2178"

6' 2184"

6' 2190"

6' 2196"

6' 2202"

6' 2208"

6' 2214"

6' 2220"

6' 2226"

6' 2232"

6' 2238"

6' 2244"

6' 2250"

6' 2256"

6' 2262"

6' 2268"

6' 2274"

6' 2280"

6' 2286"

6' 2292"

6' 2298"

6' 2304"

6' 2310"

6' 2316"

6' 2322"

6' 2328"

6' 2334"

6' 2340"

6' 2346"

6' 2352"

6' 2358"

6' 2364"

6' 2370"

6' 2376"

6' 2382"

6' 2388"

6' 2394"

6' 2400"

6' 2406"

6' 2412"

6' 2418"

6' 2424"

6' 2430"

6' 2436"

6' 2442"

6' 2448"

6' 2454"

6' 2460"

6' 2466"

6' 2472"

6' 2478"

6' 2484"

6' 2490"

6' 2496"

6' 2502"

6' 2508"

6' 2514"

6' 2520"

6' 2526"

6' 2532"

6' 2538"

6' 2544"

6' 2550"

6' 2556"

6' 2562"

6' 2568"

6' 2574"

6' 2580"

6' 2586"

6' 2592"

6' 2598"

6' 2604"

6' 2610"

6' 2616"

6' 2622"

6' 2628"

6' 2634"

6' 2640"

6' 2646"

6' 2652"

6' 2658"

6' 2664"

6' 2670"

6' 2676"

6' 2682"

6' 2688"

6' 2694"

6' 2700"

6' 2706"

6' 2712"

6' 2718"

6' 2724"

6' 2730"

6' 2736"

6' 2742"

6' 2748"

6' 2754"

6' 2760"

6' 2766"

6' 2772"

6' 2778"

6' 2784"

6' 2790"

6' 2796"

6' 2802"

6' 2808"

6' 2814"

6' 2820"

6' 2826"

6' 2832"

6' 2838"

6' 2844"

6' 2850"

6' 2856"

6' 2862"

6' 2868"

6' 2874"

6' 2880"

6' 2886"

6' 2892"

6' 2898"

6' 2904"

6' 2910"

6' 2916"

6' 2922"

6' 2928"

6' 2934"

6' 2940"

6' 2946"

6' 2952"

6' 2958"

6' 2964"

6' 2970"

6' 2976"

6' 2982"

6' 2988"

6' 2994"

6' 3000"

6' 3006"

6' 3012"

6' 3018"

6' 3024"

6' 3030"

6' 3036"

6' 3042"

6' 3048"

6' 3054"

6' 3060"

6' 3066"

6' 3072"

6' 3078"

6' 3084"

6' 3090"

6' 3096"

6' 3102"

6' 3108"

6' 3114"

6' 3120"

6' 3126"

6' 3132"

6' 3138"

6' 3144"

6' 3150"

6' 3156"

6' 3162"

6' 3168"

6' 3174"

6' 3180"

6' 3186"

6' 3192"

6' 3198"

6' 3204"

6' 3210"

6' 3216"

6' 3222"

6' 3228"

6' 3234"

6' 3240"

6' 3246"

6' 3252"

6' 3258"

6' 3264"

6' 3270"

6' 3276"

6' 3282"

6' 3288"

6' 3294"

6' 3300"

6' 3306"

6' 3312"

6' 3318"

6' 3324"

6' 3330"

6' 3336"

6' 3342"

6' 3348"

6' 3354"

6' 3360"

6' 3366"

6' 3372"

6' 3378"

6' 3384"

6' 3390"

6' 3396"

6' 3402"

6' 3408"

6' 3414"

6' 3420"

6' 3426"

6' 3432"

6' 3438"

6' 3444"

6' 3450"

6' 3456"

6' 3462"

6' 3468"

6' 3474"

6' 3480"

6' 3486"

6' 3492"

6' 3498"

6' 3504"

6' 3510"

6' 3516"

6' 3522"

6' 3528"

6' 3534"

6' 3540"

6' 3546"

6' 3552"

6' 3558"

6' 3564"

6' 3570"

6' 3576"

6' 3582"

6' 3588"

6' 3594"

6' 3600"

6' 3606"

6' 3612"

6' 3618"

6' 3624"

6' 3630"

6' 3636"

6' 3642"

6' 3648"

6' 3654"

6' 3660"

6' 3666"

6' 3672"

6' 3678"

6' 3684"

6' 3690"

6' 3696"

6' 3702"

6' 3708"

6' 3714"

6' 3720"

6' 3726"

6' 3732"

6' 3738"

6' 3744"

6' 3750"

6' 3756"

6' 3762"

6' 3768"

6' 3774"

6' 3780"

6' 3786"

6' 3792"

6' 3798"

6' 3804"

6' 3810"

6' 3816"

6' 3822"

6' 3828"

6' 3834"

6' 3840"

6' 3846"

6' 3852"

6' 3858"

6' 3864"

6' 3870"

6' 3876"

6' 3882"

6' 3888"

6' 3894"

6' 3900"

6' 3906"

6' 3912"

6' 3918"

6' 3924"

6' 3930"

6' 3936"

6' 3942"

6' 3948"

6' 3954"

6' 3960"

6' 3966"

6' 3972"

6' 3978"

6' 3984"

6' 3990"

6' 3996"

6' 4002"

6' 4008"

6' 4014"

6' 4020"

6' 4026"

6' 4032"

6' 4038"

6' 4044"

6' 4050"

6' 4056"

6' 4062"

6' 4068"

6' 4074"

6' 4080"

6' 4086"

6' 4092"

6' 4098"

6' 4104"

6' 4110"

6' 4116"

6' 4122"

6' 4128"

6' 4134"

6' 4140"

6' 4146"

6' 4152"

6' 4158"

6' 4164"

6' 4170"

6' 4176"

6' 4182"

6' 4188"

6' 4194"

6' 4200"

6' 4206"

6' 4212"

6' 4218"

6' 4224"

6' 4230"

6' 4236"

6' 4242"

6' 4248"

6' 4254"

6' 4260"

6' 4266"

6' 4272"

6' 4278"

6' 4284"

6' 4290"

6' 4296"

6' 4302"

6' 4308"

6' 4314"

6' 4320"

6' 4326"

6' 4332"

6' 4338"

6' 4344"

6' 4350"

6' 4356"

6' 4362"

6' 4368"

6' 4374"

6' 4380"

6' 4386"

6' 4392"

6' 4398"

6' 4404"

6' 4410"

6' 4416"

6' 4422"

6' 4428"

6' 4434"

6' 4440"

6' 4446"

6' 4452"

6' 4458"

6' 4464"

6' 4470"

6' 4476"

6' 4482"

6' 4488"

6' 4494"

6' 4500"

6' 4506"

6' 4512"

6' 4518"

6' 4524"

6' 4530"

6' 4536"

6' 4542"

6' 4548"

6' 4554"

6' 4560"

6' 4566"

6' 4572"

6' 4578"

6' 4584"

6' 4590"

6' 4596"

6' 4602"

6' 4608"

6' 4614"

6' 4620"

6' 4626"

6' 4632"

6' 4638"

6' 4644"

6' 4650"

6' 4656"

6' 4662"

6' 4668"

6' 4674"

6' 4680"

6' 4686"

6' 4692"

6' 4698"

6' 4704"

6' 4710"

6' 4716"

6' 4722"

6' 4728"

6' 4734"

6' 4740"

6' 4746"

6' 4752"

6' 4758"

6' 4764"

6' 4770"

6' 4776"

6' 4782"

6' 4788"

6' 4794"

6' 4800"

6' 4806"

6' 4812"

6' 4818"

6' 4824"

6' 4830"

6' 4836"

6' 4842"

6' 4848"

6' 4854"

6' 4860"

6' 4866"

6' 4872"

6' 4878"

6' 4884"

6' 4890"

6' 4896"

6' 4902"

6' 4908"

6' 4914"

6' 4920"

6' 4926"

6' 4932"

6' 4938"

6' 4944"

6' 4950"

6' 4956"

6' 4962"

6' 4968"

6' 4974"

6' 4980"

6' 4986"

6' 4992"

6' 4998"

6' 5004"

6' 5010"

6' 5016"

6' 5022"

6' 5028"

6' 5034"

6' 5040"

6' 5046"

6' 5052"

6' 5058"

6' 5064"

6' 5070"

6' 5076"

6' 5082"

6' 5088"

6' 5094"

6' 5100"

6' 5106"

6' 5112"

6' 5118"

6' 5124"

6' 5130"

6' 5136"

6' 5142"

6' 5148"

6' 5154"

6' 5160"

6' 5166"

6' 5172"

6' 5178"

6' 5184"

6' 5190"

6' 5196"

6' 5202"

6' 5208"

6' 5214"

6' 5220"

6' 5226"

6' 5232"

6' 5238"

6' 5244"

6' 5250"

6' 5256"

6' 5262"

6' 5268"

6' 5274"

6' 5280"

6' 5286"

6' 5292"

6' 5298"

6' 5304"

6' 5310"

6' 5316"

6' 5322"

6' 5328"

6' 5334"

6' 5340"

6' 5346"

6' 5352"

6' 5358"

6' 5364"

6' 5370"

6' 5376"

6' 5382"

6' 5388"

6' 5394"

6' 5400"

6' 5406"

6' 5412"

6' 5418"

6' 5424"

6' 5430"

6' 5436"

6' 5442"

6' 5448"

6' 5454"

6' 5460"

6' 5466"

6' 5472"

6' 5478"

6' 5484"

6' 5490"

6' 5496"

6' 5502"

6' 5508"

6' 5514"

6' 5520"

6' 5526"

6' 5532"

6' 5538"

6' 5544"

6' 5550"

6' 5556"

6' 5562"

6' 5568"

6' 5574"

6' 5580"

6' 5586"

6' 5592"

6' 5598"

6' 5604"

6' 5610"

6' 5616"

6' 5622"

6' 5628"

6' 5634"

6' 5640"

6' 5646"

6' 5652"

6' 5658"

6' 5664"

6' 5670"

6' 5676"

6' 5682"

6' 5688"

6' 5694"

6' 5700"

6' 5706"

6' 5712"

6' 5718"

6' 5724"

6' 5730"

6' 5736"

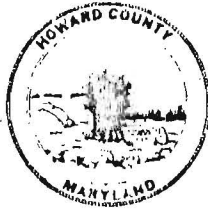
6' 5742"

6' 5748"

6' 5754"

6' 5760"

HOWARD COUNTY HEALTH DEPARTMENT



JOYCE M. BOYD, M.D., M.P.H.
DEPUTY STATE AND
COUNTY HEALTH OFFICER

BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476
ELLCOT CITY, MARYLAND 21043
TELEPHONE: 992-2330

March 6, 1981

Ms. Irene Miles
AMF Real Estate
5560 Sterrett Place
Columbia, Maryland 21044

RE: Henry H. Harjes property
Parcel 2, Route 108
Clarksville, Maryland

Dear Ms. Miles:

This letter is to inform you that the percolation tests conducted at the above property on March 3, 1981 were satisfactory but inconclusive. The soil characteristics encountered at the time of the tests indicated the possible existence of underlying ground water. The elevation of this ground water must be determined. Due to drought conditions experienced over the previous year, ground water conditions are severely depressed, and it is impossible to determine the wet season ground water elevation at this time.

Therefore, we are withholding approval or disapproval of this parcel until the depressed ground water conditions return to normal, and determination of the wet season ground water elevation can be accomplished.

Yours truly,

Stephen G. Kiel, Sanitarian
Water and Sewerage Program

SGK:hs

Miles Home Phone 396-9577

GORDON E. CHRISTENSEN
ATTORNEY AND COUNSELOR AT LAW

1000 Century Plaza, Suite 323
Columbia, Maryland 21044
(301) 730-3106

April 10, 1981

GEC81-009

Joyce M. Boyd, M. D., M. P. H.
Deputy State and County Health Officer
Howard County Health Department
P. O. Box 476
Ellicott City, Maryland 21043

RE: Henry H. Harjes, Jr. Property
Parcel 2, Route 108
Clarksville, Maryland

Dear Dr. Boyd:

Enclosed please find a copy of the letter sent by Mr. Stephen G. Kiel, Sanitarian, informing my client and his real estate agent that percolation tests conducted on the captioned property were "satisfactory but inconclusive." As a result of this letter, my client lost contract to sell the parcel to Mr. and Mrs. Richard T. Listrani for \$56,000.00, and, if the situation is not satisfactorily resolved in the near future, he could stand to lose \$30,000.00 or more in the value of the parcel. The inquiries made by me and Ms. Irene Miles of AMF Real Estate, Mr. Harjes' real estate agent, have failed satisfactorily to answer how the property that satisfactorily percolated could be denied approval.

I am, therefore, requesting you to inform me in writing of the basis for your department's determination of which land will be given approval and which land, including Mr. Harjes', will not. As a part of this, please state the criteria upon which the determination is made. Moreover, we need to know the statutory and regulatory authorization for your department's actions. It would be most helpful for you to outline the basis for a satisfactory percolation, including, inter alia, soil composition. What we cannot understand is how the test results can be "satisfactory" and at the same time be "inconclusive." It is our position that the test results were satisfactory and that the approval should be issued forthwith.

Mr. Palmer Wine, Director of the Bureau of Environmental Services, informed Ms. Miles that a percolation test would be scheduled as soon after the water table rises to a satisfactory elevation as possible--but only if she calls to make the appointment. Since his bureau is responsible for testing the water table elevation, and

GEC&1-009

Dr. Joyce M. Boyd

Page 2

since it is his bureau's action which have prompted this situation, he should bear the burden of notifying us of when the tests may be rerun and for scheduling the same.

Your prompt response and assistance in resolving this difficulty will be most appreciated.

Very sincerely yours,

A handwritten signature in cursive script that reads "Gordon E. Christensen". The signature is written in black ink and is positioned below the typed name.

Gordon E. Christensen

GEC:sk

cc: Mr. Harjes
Ms. Miles
Ms. Virginia Thomas, Howard County Council
file

HOWARD COUNTY HEALTH DEPARTMENT

JOYCE M. BOYD, M.D., M.P.H.
DEPUTY STATE AND
COUNTY HEALTH OFFICER



BUREAU OF ENVIRONMENTAL HEALTH
P.O. Box 476
ELLICOT CITY, MARYLAND 21043
TELEPHONE: 992-2330

April 28, 1981

Gordon E. Christensen, Esquire
Attorney and Counselor at Law
1000 Century Plaza, Suite 323
Columbia, Maryland 21044

RE: Henry H. Harjes, Jr. Property
Parcel 2
Clarksville, Maryland

Dear Mr. Christensen:

Your recent inquiry as to how the referenced property could be "denied approval after satisfactorily percolating" can best be explained by the following: First, in evaluating soils for septic system suitability, the percolation test is only one of several criteria used in arriving at a decision. As the enclosed regulations state, the Approving Authority shall require percolation and other pertinent tests to be conducted under its supervision. Further, the Approving Authority is instructed to take into consideration soil and geological conditions which may preclude safe and proper operation of the desired installation. Also, section .03 of COMAR regulations 10.17.03.03 states: "In all subdivisions, individual water supply and sewage disposal facilities may be permitted when in conformance with the county plan and where the following acceptable physical conditions are present: Topography, soil types, surface and subsurface drainage, and the absence of a fluctuating high water table. These determinations are based upon available information which shall include the history of individual water supply and individual sewerage system failures in adjacent areas, extent of existing individual water supplies and sewerage systems, information obtained from the soil survey for the jurisdiction, standard percolation tests, available geologic and hydrologic data and any other information which may be available."

Our basis for determining which land will be given approval is based upon the above criteria.

The statutory and regulatory authorization for our department's action is found in Article 43, Section 387C, Annotated Code of Maryland and in COMAR Title 10, Department of Health and Mental Hygiene, Subtitle 17, Sanitation, Chapters 02 and Chapters 03.

April 28, 1981

The basis for an approval would be determining soil suitability for the absorption of septic effluent and how much area is required. The soil must have an acceptable percolation rate, without interference from ground water or interference from a fluctuating water table. Also, there must not be an impervious strata immediately below the level of the absorption system. In general, two conditions must be met: (1) The percolation time should be within the range of those specified in COMAR 10.17.03.03. (2) The maximum seasonal elevation of the ground water table should be at least 4 feet below the bottom of the trench or seepage pit. Rock formations or other impervious strata should be at a depth greater than 4 feet below the bottom of trench or seepage pit. (See U.S. Public Health Service enclosure.) As to soil composition, the main properties indicative of absorptive capacity are soil texture, structure, color, depth of permeable strata, and swelling characteristics. The reason the tests on the Harjes property were termed inconclusive is that a mottling effect was noted in the soil. Also, a gray or mixed gray and brown color was noted in the soil. As the attached literature from the Soil Conservation Service notes, the absence of water tables within the depth of percolation tests and a drab gray or mixed gray, brown and rust mottling in the soil is an indication that the soil has been saturated at some time and for a considerable period of years. In all likelihood, a fluctuating water table caused the discoloration in the soil on the Harjes' lot.

In light of the current "severe drought" condition in Howard County as determined by the National Weather Service, we cannot properly evaluate this property for septic system suitability during the current "dry season", as the maximum seasonal elevation of the ground water table cannot presently be determined. Current water table datum from test wells in the county indicate a severely depressed water table. (See enclosed directive policy from William M. Eichbaum, Assistant Secretary for Environmental Programs.)

We telephoned Mrs. Irene Miles and informed her that she would be notified as soon as the seasonal elevation of the ground water returns to normal. Mr. Palmer Wine, Director of the Bureau of Environmental Health, informs me that Mrs. Miles was also instructed to keep in touch with the Health Department as to when we could resume wet season testing. Our intent was to make sure that no lots would be overlooked when wet season testing was resumed. At no time was Mrs. Miles unequivocally told that she would have to call and make the appointment in order to have the lot tested.

Should you have any questions concerning the above, please feel free to call Mr. Palmer F. Wine, Director, Bureau of Environmental Health, at your convenience.

Very truly yours,


Joyce M. Boyd, M.D.

JMB:hs

cc: Mr. Harjes
Mrs. Miles
Mrs. Virginia Thomas, Howard County Council
File

Enclosures

A-31137

HARJES Property

6-11-81 : meeting at Harjes Property with
Carl Rabinette (Soil Scientist) John Covalt,
Frank Skummer and Bob Ziehm

C Rabinette's opinion, nothing seen due
to weathering of parent material not
high water table condition. C. Rabinette stated
he would inform us in writing of
his findings.

SK 6-11-81

7/14/1981

Letter received from SCS soil scientist
Carl Rabinette regarding soil investigation
of 6/11/81. Lat appeared on the basis
of this letter SK



RECEIVED
HOWARD COUNTY
HEALTH DEPT
ELICOTT CITY, MD
JUL 10 8 51 AM '81

OFFICE OF ENVIRONMENTAL PROGRAMS

DEPARTMENT OF HEALTH AND MENTAL HYGIENE

201 WEST PRESTON STREET • BALTIMORE, MARYLAND 21201 • Area Code 301 • 383- 2055

Harry Hughes, Governor

Charles R. Buck, Jr., Sc.D. Secretary

July 8, 1981

Mr. Palmer F. Wine, Director
Environmental Health
Howard County Health Department
3716 Court Place
Ellicott City, Maryland 21043

Dear Mr. Wine:

I have been advised by Mr. John F. Covalt, Jr., Regional Consultant of this office, that a reevaluation of the soils on the Henry S. Hayes property (Parcel 2), near Clarksville, was conducted on June 11, 1981. (Hayes)

John advises me that he is in agreement with the determination of Mr. Carl Robinette, Soil Conservation Service, and the soils in question are not affected by water table fluctuations; but rather the observed mottles were a result of weathering of mineral deposits.

It is our determination that the previously obtained soil test results are valid, and see no reason for requiring further testing.

If you have any questions, please contact John at (301) 383-2054.

Respectfully,

Jack R. Holthaus, Acting Chief
Division of Residential Sanitation

JRH:mew

cc: Mr. Dane S. Bauer
Mr. John F. Covalt, Jr.
Ms. Irene Miles
Dr. Joyce M. Boyd



United States
Department of
Agriculture

Soil
Conservation
Service

Amber Meadows Professional Bldg.
198 Thomas Johnson Drive #101
Frederick, Maryland 21701

July 14, 1981

RECEIVED
HOWARD COUNTY
HEALTH DEPT.
ELLICOTT CITY, MD
JUL 15 9 35 AM '81

Mr. Frank A. Skinner
Sanitarian
Howard County Health Dept.
Bureau of Environmental Health
3716 Court Place
Ellicott City, Maryland 21043

Re: Soil Investigation - Henry H. Harjes, Jr., Parcel 2
off Md. Route 108 South of Clarksville, Md.

Dear Mr. Skinner:

This investigation was conducted on June 11, 1981, by ourselves along with Bob Ziehm, John Covalt and Stephen Kiel. The primary purpose of this investigation was to address the significance of the gray or drab (low chroma) colors in the substratum of the proposed disposal area.

The soil on this area is shown on sheet #23 of the Howard County Soil Survey Report to be MgC2 - Manor gravelly loam, 8 to 15 percent slopes, breaking to M1D2 - Manor loam, 12 to 25 percent slopes proceeding in a westerly direction from the summit of a dominating knoll.

These soil mapping units were confirmed with two bucket auger borings to about 9 and 11 feet, respectively. The Manor soil extended to about 16 to 24 inches with a surface layer to about 8 inches of dark brown loam, and a subsoil from 8 to 16 and 24 inches, respectively of yellowish red loam over a substratum of highly micaceous weathered saprolite. The substratum at this location was multi-colored with dark, drab, gray and white shades increasing with depth to the observed 9 and 11 foot depths.

While these colors vary somewhat from the yellow and red substratums underlying other areas of Manor soil, I believe they are colors inherited strictly from the geologic character of this saprolite material. The gray or white colors are due predominately to pockets of sandy or silty textured remains of relatively pure feldspar and quartzose fragments in a mica-schist matrix. These gray or white pockets are not characteristic of the much finer gray mottles caused by water inundation.

The fact that this area is within the upper 1/2 of the slope segment with respect to landscape position and has slopes in the range of 10 to 18 percent further supports the inherited gray color theory. Due to slope, water moves off the area



The Soil Conservation Service
is an agency of the
Department of Agriculture

SCS-AS-1
10-79

relatively fast. This reduces the potential to move organic acids downward through the profile which is necessary to form gray impeded drainage mottles. Furthermore, I feel insufficient land area up-slope is available to provide the subsurface flow necessary to cause gray colors. I believe this subsurface flow would only be a factor beyond 2/3 the way down the slope or near the foot-slope position on the landscape.

In conclusion, I believe the gray colors are attributable to inheritance from geologic materials and no problems should be encountered with either a septic absorption field or a deep pit system. I must point out that problems with groundwater pollution from deep pit systems have recently come to my attention.

If I can be of further assistance, please call.

Sincerely,



Carl E. Robinette
Area Soil Scientist

cc:

John F. Covalt, Div. of Residential Sanitation, Baltimore, Md.
Robert W. Ziehm, Howard SCD, Ellicott City, Md.

July 20, 1981

Mrs. Irene Miles
12980 Maryland Route 108
Clarksville, Maryland 21029

RE: Henry H. Harjes, Jr. property
Parcel 2, Clarksville, Md.

Dear Mrs. Miles:

This letter is to inform you that the above referenced property which had inconclusive percolation tests performed on March 2, 1981, has now been approved for a private sewage disposal system installation. This approval was based on soil borings and evaluations conducted at the site on June 11, 1981.

I am enclosing a copy of the evaluation for your information.

If you have any questions relative to this matter please call me at 992-2330.

Very truly yours,



Frank Skinner, Director
Water and Sewerage Program

FS:hs

Enclosure