



Bureau of Environmental Health

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

SEWAGE DISPOSAL SYSTEM SPECIFICATIONS WORKSHEET

Address: 7102 Pindell School Rd

Subdivision: _____ Lot: 6

Initial system:	Application rate:	<u>1.2</u>	Effective area beginning depth:	<u>4</u>	Bottom maximum depth:	<u>7</u>
1 st Replacement:	Application rate:	<u>1.2</u>	Effective area beginning depth:	<u>4</u>	Bottom maximum depth:	<u>7</u>
2 nd Replacement:	Application rate:	<u>1.2</u>	Effective area beginning depth:	<u>4</u>	Bottom maximum depth:	<u>7</u>

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:

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

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:

Test pit to be conducted during layout inspection to verify specs.

Approved: _____ J. Williams _____ Date: 1.6.20

APPLICATION

PERCOLATION TESTING

✓SLM

A 42002

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
P.O. BOX 476 ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 461-9933

DISTRICT

STL

DATE 3-29-88

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 Peter Horowitz

ADDRESS 7103 Pindell School Rd; Fulton, Md 20759 PHONE (301) 725-8445

PROSPECTIVE BUYER _____

ADDRESS _____

PHONE _____

PROPERTY LOCATION:

SUBDIVISION Horowitz Property LOT NO. 6

ROAD AND DESCRIPTION West of Pindell School Rd, South of Loganberry Lane

TAX MAP 41 PARCEL # 204

SIZE OF LOT 3.0 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.

[Signature]

(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

REJECTED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____ DATE _____

REASONS FOR REJECTION OR HOLDING 12-13-88 Full wet SPASCO. Repest. SAL - 6 + 7 combined
3 hole need testing - using 5 + 7 of old lot 7, open old #4 to
Re-evaluate. S. Alul

HD-216

THIS IS NOT A PERMIT

Existing Well 8ft deep

SOIL PROFILE

0 Br si cl lm

-4.0 Tan-blk mica sa si lm, sap, some decomp rock, <40%

-11.5 Bottom

(D)

30 Rd-br si cl lm

-12.5 Tan-gray mica sa si lm, some broken rock <25%

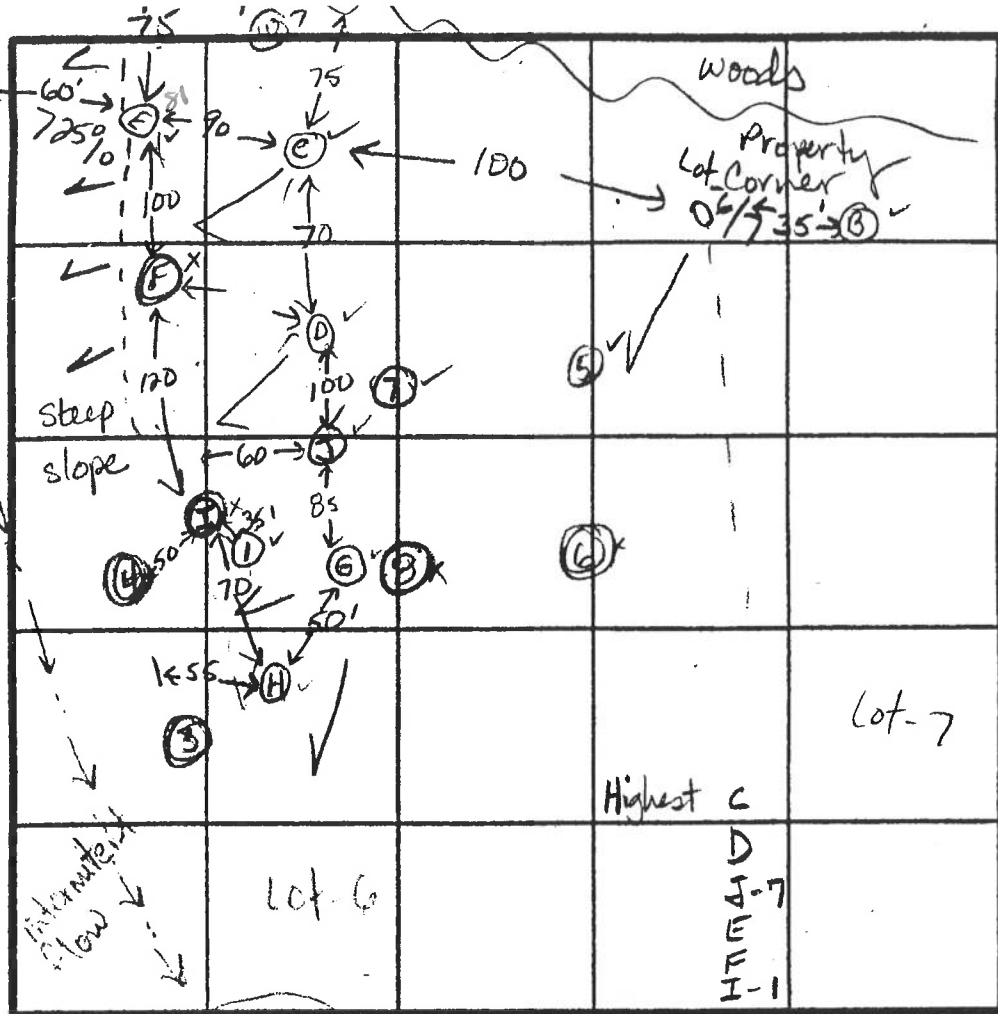
12.5 Bottom

(E)

3.5 Rd-br si cl lm

-10.5 DK-br to red mica sa si, some decomp rx <20% slight structure at 7.5 ft

10.5 Refusal



(F) (I)

0-20' Rd-br si cl lm, some qtz pegmatite veins <15

20'-125 Tan-blk mica sa si lm, some bldrs & r lenses <35% structure at 5.5 ft

12.5 Bottom

(G) (H) (C)

0-3.0 Br mica sa si cl lm

3-12.0 Br mica sa si lm <20% decomp rock

12.0 Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
3-28-89	ok	C	4.5 S	12:52:15	12:52:55	12:52:55	12:53:15	1 min
		8.0 M	12:50:00	12:51:30	12:51:30	12:53:16	2 min	
		11.5 D	Bottom (see profile)					
	ok	D	3.0 S	1:02:32	1:03:10	1:03:10	1:04:50	2 min
		7.5 M	1:01:02	1:01:44	1:01:44	1:03:09	2 min	
		12.5 D	Bottom (see profile)					
	marginal	E	4.0 S	1:13:05	1:14:01	1:14:01	1:14:25	< 1 min
		9.5 M	1:11:10	1:11:30	1:11:30	1:12:25	1 min	
		10.5 D	(Refusal at 10.5 ft)					
	No	F	4.5 S	1:38:27			1:38:47	Fast
		4.5 S	1:42:35	1:42:55			20 sec	
		7.5 M	1:39:20	1:42:40	1:42:40	1:44:10	7 min	
	ok	G	12.5 D	Bottom (structured at 5.5 ft)				Failed
		4.5 S	2:05	2:07	2:07	2:09	2 min	
		8.0 M	2:05	2:06	2:06	2:08	2 min	
	ok	H	12.0 D	Bottom				
		5.0 S	2:13:42	2:14:40	2:14:40	2:16:13	2 min	
		12.5 D	Bottom (<15% rx)				ok	
REMARKS								
TYPE OF SOIL		No	I	9.5	V	(structured at 6.5 ft)		N
TESTED BY		ok	J	12.0	V	Bottom (clay to 3.0 ft)		ok
			ALSO PRESENT					

ALSO PRESENT

Peter Horowitz, Matt

A42002
Lot 6

← To Pindell School Road

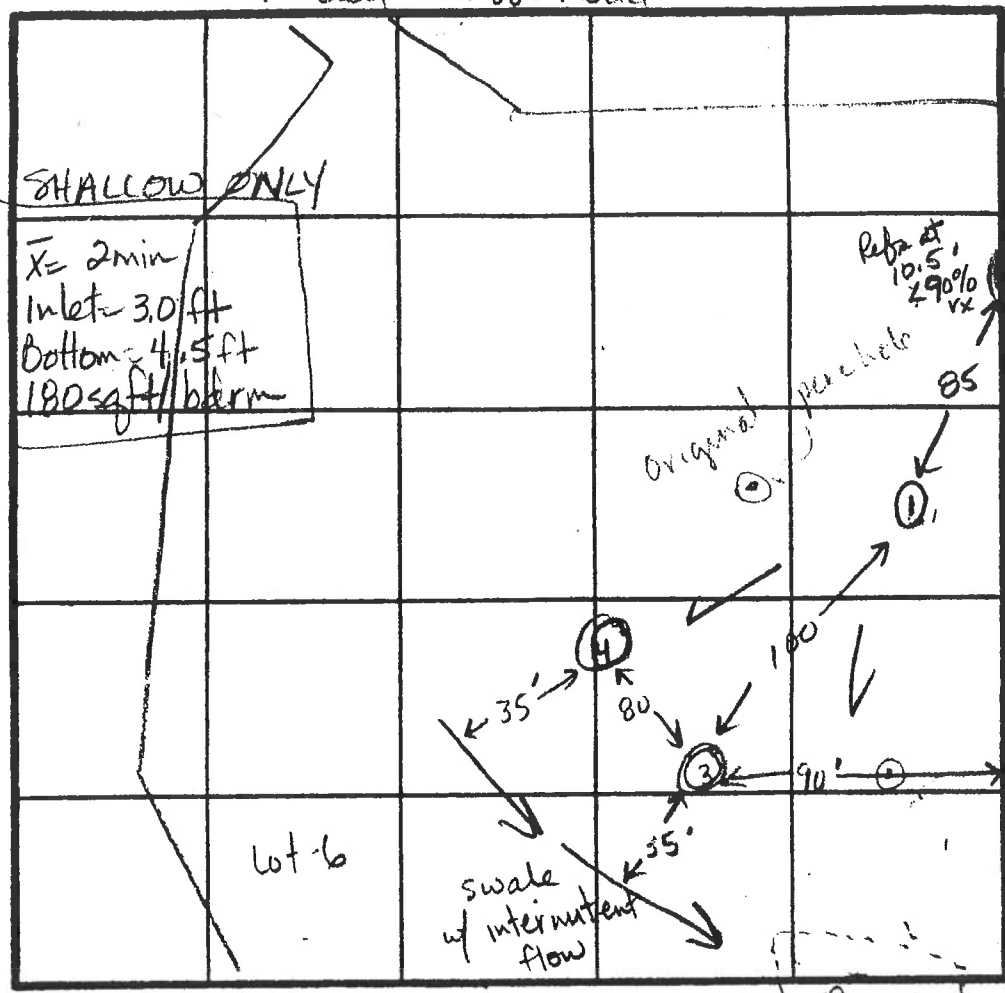
①
SOIL PROFILE

0-3.5 Rd br
si cl lm
3.5-12.0 Br. sa-si
lm, <10%
saprolite,
<35%
weathered
rock
Bottom
12.0
Yellow Jacket
Nest

SHALLOW ONLY

$\bar{X} = 2 \text{ min}$
Inlet - 3.0 ft
Bottom - 4.5 ft
180 sq ft berm

⑨
0-3.0 Br si
cl lm
3.0-11.0 Br-B
mica
sa si
<30%
sapr
Bottom
11.0



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

Proposed Pond

③
0-3.0 Br mica
sa si cl lm
3.0-11.0 Br-bk
mica sa
si lm, 20%
mottles at 4'
<30%
saprolite
11.0 Bottom
water
at 11.0 ft

④
0-5.5 Rd-br si cl
lm
5.5-11.0 Rd-br
mica sa
si lm,
<30%
saprolite
11.0 Bottom
water
at 10.5 ft

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10-5-88	1	5' M					
		12.0 V	(see profile)				ok
	3	11.0 V	Mottles at 4.0 ft, water at 11.0'				Failed
	4	11.0 V	Water at 10.5 ft				Failed
	9	11.0 V	Bottom (see profile)				Hold WS

REMARKS: Hole ⑨ on Lot-7 75' from pond. All holes as shown on plat.
Hold for wet season testing.

TYPE OF SOIL _____
TESTED BY W. F. Nadeau ALSO PRESENT Mr. Horowitz