

Bureau of Environmental Health  
7178 Columbia Gateway Drive, Columbia, MD 21046-2147  
(410) 313-2640 Fax (410) 313-2648  
TDD (410) 313-2323 Toll Free 1-866-313-6300  
website: www.hchealth.org

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Peter L. Beilenson, M.D., M.P.H., Health Officer

September 22, 2011

Thomas J. Harrington, owner  
14325 Old Frederick Road  
Cooksville, MD 21723  
([grandmajan53@msn.com](mailto:grandmajan53@msn.com))

RE: Property Status for On-Site Sewage Disposal Systems: Soil conditions undetermined,  
(Tax Map 8, Parcel 266; 5.2285 acres)

Dear Mr. Harrington,

The Health Department observes that the current status of the subject property, (Tax Map 8) Parcel 266, is 'non-buildable'. Based on the observations of soil properties and topography, the entire subject property is considered unsatisfactory for trench (re: subsurface) wastewater distribution systems.

A conclusive determination by the Health Department to change the status to 'buildable' would require soil profile observations and percolation testing of potential sand mound locations. Such an evaluation would be observed by the Howard County Health Department. Please note that The Health Department evaluation is subject to review by the Maryland Department of the Environment.

**Summary of field review**

Soil properties were observed on September 20 by Robert Bricker, CPSS, REHS/RS, an Environmental Sanitarian employed by the Howard County Health Department. A hand-auger was utilized to describe soil properties to depth of observed water table at four specific locations in a meadow mapped as 'Glenelg' soil series. The meadow is at the northeast corner of the subject property, and the topography is appropriate for sand mounds. A perched water table was noted at 37 inches and at 45 inches depths respectively at auger locations '1' and '2'. The area represented is along the northern property boundary to about 60 feet downhill of the property boundary. The area represented by auger locations '3' and '4' is immediately downhill of the area represented by locations '1' and '2'. Perched water occurred at depths of 23 inches and 14 inches at locations '3' and '4', respectively.

Soil properties were also observed at several other, more general locations in the area proximate to the northwest corner of the subject property. The soil series mapped in this area is 'Glenville'. Much of the area is inappropriate for sand mounds due to topographic features such as steep slope and rock outcrops. Soil borings in an area of gently sloping land along the north boundary of the subject property encountered a few weathered stones or large gravel, but no perched water.

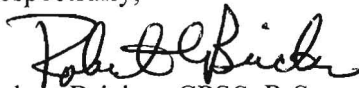
## Conclusions

The area represented by auger locations '1' and '2' contains at least one potential sand mound location near the northeast property corner. The area immediately to the west and uphill may be evaluated and tested for a 2<sup>nd</sup> potential sand mound location. A third potential sand mound location can be evaluated and tested near the northwest property corner.

The remainder of the subject property is unsatisfactory for wastewater disposal as it is severely impacted by shallow rock layers, shallow water tables, and well-defined drainage features.

If you have further questions regarding this project, you may contact me by calling (410) 313-2691.

Respectfully,



Robert Bricker, CPSS, R.S.  
Well and Septic Program  
Development Coordination Section

Copy: File

A/P

(3)

loam  
10YR 4/4 10"  
g. sl. 10YR 4/4  
c. mica 13"  
loam  
10YR 5/3  
m2f 10YR 5/2  
c1p 2.5YR 4/6  
common fine mica  
21"

g sl saturated

10YR 4/4  
23"

heavy sl saturated sticky

10YR 4/4  
common mica  
25"

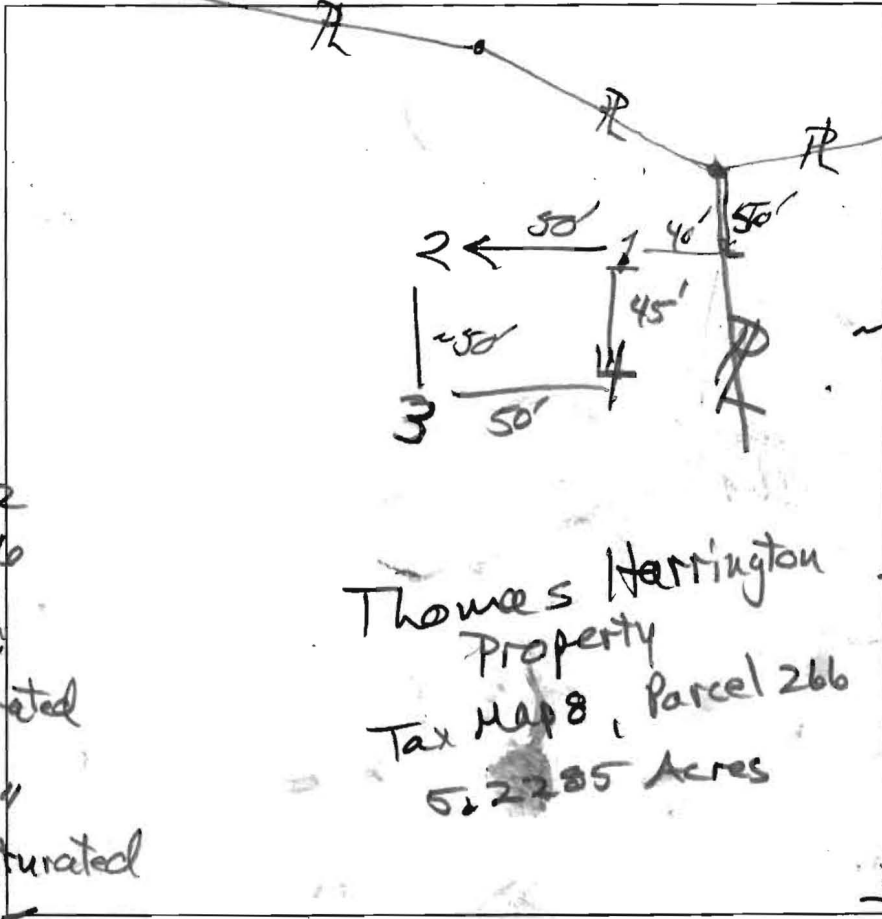
fsc  
10YR 4/1  
Perched water

c1p 2.5YR 4/8  
common mica  
slightly sticky  
31"

(4)

loam  
10YR 4/4 8"

loam  
10YR 3/1 14"



Thomas Harrington  
Property  
Tax Map 8, Parcel 266  
5.2285 Acres

(1)

loam  
7.5YR 4/6

15"  
10YR 4/4 loam  
m2f 10YR 5/2  
c2f 10YR 5/2  
f1p 2.5YR 4/6

20"  
10YR 5/4  
clay loam  
slightly sticky  
few fine mica

28"  
clay loam  
7.5YR 5/8  
m1f 10YR 5/2  
few fine mica  
slightly sticky

34"  
perched water  
7.5YR 5/6  
m1 2d  
10YR 6/1

(2)

loam  
7.5YR 4/1  
few mica  
16"

clay loam  
7.5YR 5/3  
common mica  
slightly sticky

45"  
perched water  
7.5YR 5/6  
m2d 10YR 6/1

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/20/11	1	18"-20"					Redox - restrictive layer
9/20/11	1	34"					Perched water
9/20/11	2	45"					Perched water
9/20/11	3	23"					Perched water
9/20/11	4	14"					Perched water

REMARKS Evaluate 'meadow'.

SANITARIAN RB BACKHOE OTHERS Tom Harrington

TEST HOLES USED IN SDA \_\_\_\_\_ AVG. PERC TIME \_\_\_\_\_ SQ. FT/BR \_\_\_\_\_

FRENCH WIDTH \_\_\_\_\_ INLET DEPTH \_\_\_\_\_ MAX. BOT DEPTH \_\_\_\_\_ EFFECTIVE SW \_\_\_\_\_

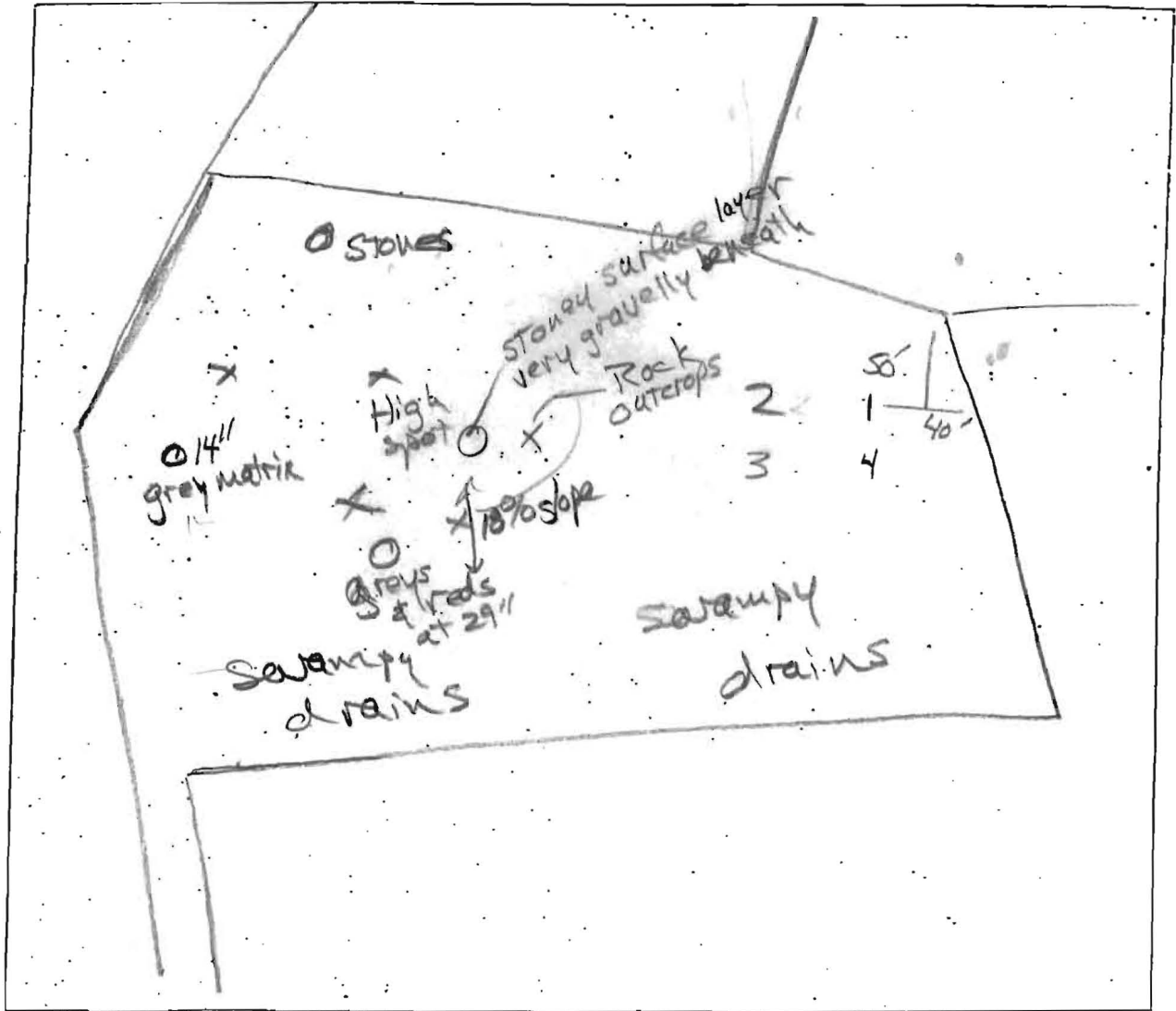
\* perched water  
2.5Y 6/4  
c2d 10YR 5/2  
f1p 2.5YR 4/6

7.5YR 5/6  
m2d 2.5Y 6/2 24"

SITE INSPECTION SHEET

OWNER: Tom Harrington PHONE #: \_\_\_\_\_  
ADDRESS: 14325 Old Frederick Rd CONTRACTOR: \_\_\_\_\_  
Cooksville, MD WELL TAG #: \_\_\_\_\_  
SUBDIVISION: \_\_\_\_\_ LOT: \_\_\_\_\_ COUNTY #: \_\_\_\_\_  
PROPOSAL: Evaluate Parcel 266 for buildable/non-buildable status

LOCATION DIAGRAM



COMMENTS: 2 or 3 potential sand mound locations  
may be tested. Until such testing occurs,  
Status remains as 'non buildable'

R. Buckler  
9/21/11

-77°0.42"



39°20.0"

39°20.0"

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-77°0.42"



 **Howard County**  
M A R Y L A N D

By:  
Office:  
Map Width: 1,820.00 ft.  
Print Date: 9/19/2011  
Scale: 1 in. = 200 ft.