

APPLICATION

PERCOLATION TESTING

A 515042

P _____

HOWARD COUNTY HEALTH DEPARTMENT

BUREAU OF ENVIRONMENTAL HEALTH

3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE _____

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 _____

ADDRESS _____ PHONE _____

AGENT OR PROSPECTIVE BUYER _____

ADDRESS _____ PHONE _____

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. _____

ROAD AND DESCRIPTION _____

TAX MAP _____ PARCEL # _____

SIZE OF LOT _____ TYPE BLDG. _____
(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 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

COUNTY #

SOIL PROFILE

0' (608)
DK brn
CLLM
WK RD Brn
SCLLM
Rx ~ 5%
tan
Hbrn
beige
Sand
20-30%
Rx
Bottom

607

Wkrd org form
DENSE
SCL Lm
CL Lm

tan
dk brn
beige
Micaceous
Sand
Rok
begins
15%

1009

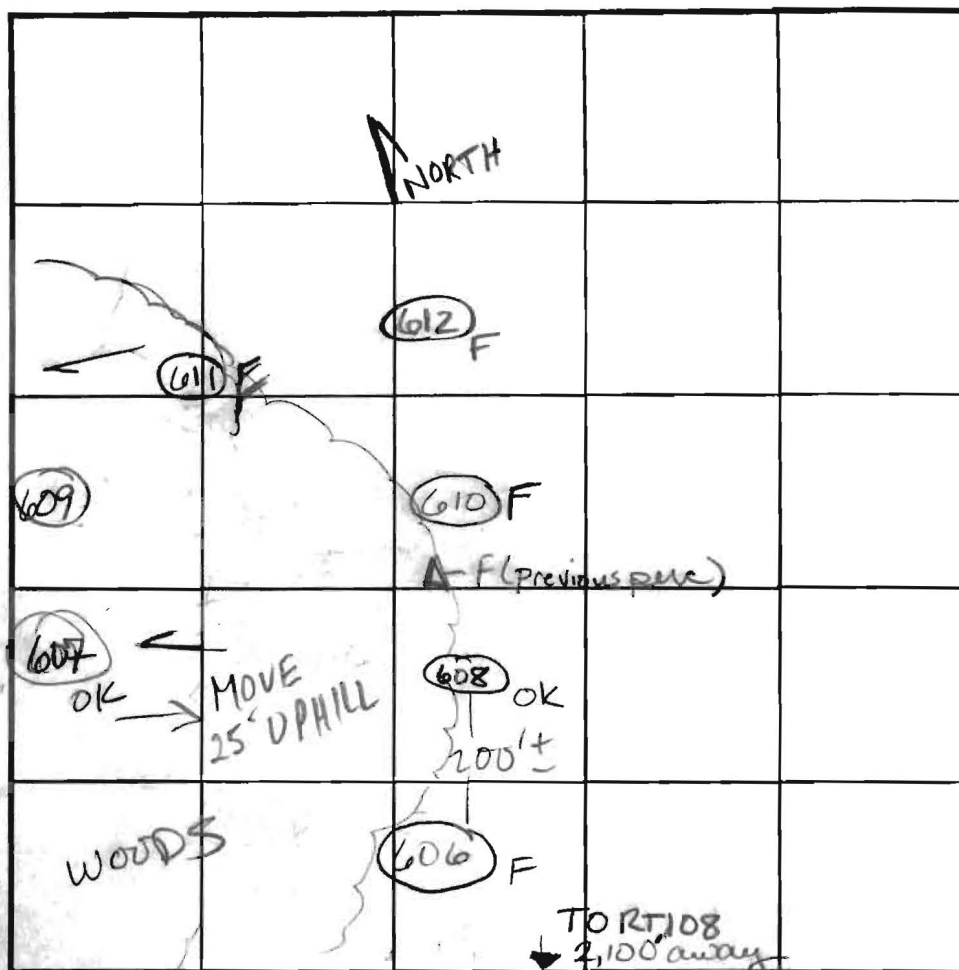
DK brn
S. Lm

Strong
org, w/kr
Migaceae
SICLM
Rx 10-15%

brn beig
SAND

30-35%
Rx

Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
1/16/02	608 ^S V	5' 12'3"	11:47:33 DEEPS	12:10 SHELF RE	12:10 Q'D FOR	12:33 REVIEW	23min	
	606 V	9' 40-	60% Rx begins @ 3' DENSE CLM ABOVE				F	
	607 ^S V	4 1/2" 11 1/2'	12:05:14	12:07:38 MARGINAL	12:07:38	12:12:45	5+ min	
	609 ^S V	4 1/2" 13'	pulled due to feasibility - Chuck Crowe agreed				F	
	610	Excessive	Rx Refusal @ 7 1/2' DENSE CLAY ABOVE				F	
70-80% Rx	611	Excessive	Rx Refusal @ 7 1/2' DENSE clay/scum ABOVE				F F	
	612	Refusal @ 11'	Excus. Rx begins @ 4'				F	
12/16/02	607A ^M V	9 1/2' / 13 1/2'	3:09:50	3:11:20	3:11:20	3:13:50	2 1/2	
	THESE	2 LOTS BEST COMBINED						
		INTO ONE LOT						

REMARKS Holes per plan #608-DEEP SHELF FOR FURTHER REVIEW

TYPE OF SOIL _____

TESTED BY KG ALSO PRESENT Mike Johnson

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME TRENCH WIDTH

INLET DEPTH	MAXIMUM BOTTOM DEPTH	SQ. FT./BEDROOM
1.0	1.0	1.0
1.5	1.5	1.5
2.0	2.0	2.0
2.5	2.5	2.5
3.0	3.0	3.0
3.5	3.5	3.5
4.0	4.0	4.0
4.5	4.5	4.5
5.0	5.0	5.0
5.5	5.5	5.5
6.0	6.0	6.0
6.5	6.5	6.5
7.0	7.0	7.0
7.5	7.5	7.5
8.0	8.0	8.0
8.5	8.5	8.5
9.0	9.0	9.0
9.5	9.5	9.5
10.0	10.0	10.0
10.5	10.5	10.5
11.0	11.0	11.0
11.5	11.5	11.5
12.0	12.0	12.0
12.5	12.5	12.5
13.0	13.0	13.0
13.5	13.5	13.5
14.0	14.0	14.0
14.5	14.5	14.5
15.0	15.0	15.0
15.5	15.5	15.5
16.0	16.0	16.0
16.5	16.5	16.5
17.0	17.0	17.0
17.5	17.5	17.5
18.0	18.0	18.0
18.5	18.5	18.5
19.0	19.0	19.0
19.5	19.5	19.5
20.0	20.0	20.0
20.5	20.5	20.5
21.0	21.0	21.0
21.5	21.5	21.5
22.0	22.0	22.0
22.5	22.5	22.5
23.0	23.0	23.0
23.5	23.5	23.5
24.0	24.0	24.0
24.5	24.5	24.5
25.0	25.0	25.0
25.5	25.5	25.5
26.0	26.0	26.0
26.5	26.5	26.5
27.0	27.0	27.0
27.5	27.5	27.5
28.0	28.0	28.0
28.5	28.5	28.5
29.0	29.0	29.0
29.5	29.5	29.5
30.0	30.0	30.0
30.5	30.5	30.5
31.0	31.0	31.0
31.5	31.5	31.5
32.0	32.0	32.0
32.5	32.5	32.5
33.0	33.0	33.0
33.5	33.5	33.5
34.0	34.0	34.0
34.5	34.5	34.5
35.0	35.0	35.0
35.5	35.5	35.5
36.0	36.0	36.0
36.5	36.5	36.5
37.0	37.0	37.0
37.5	37.5	37.5
38.0	38.0	38.0
38.5	38.5	38.5
39.0	39.0	39.0
39.5	39.5	39.5
40.0	40.0	40.0
40.5	40.5	40.5
41.0	41.0	41.0
41.5	41.5	41.5
42.0	42.0	42.0
42.5	42.5	42.5
43.0	43.0	43.0
43.5	43.5	43.5
44.0	44.0	44.0
44.5	44.5	44.5
45.0	45.0	45.0
45.5	45.5	45.5
46.0	46.0	46.0
46.5	46.5	46.5
47.0	47.0	47.0
47.5	47.5	47.5
48.0	48.0	48.0
48.5	48.5	48.5
49.0	49.0	49.0
49.5	49.5	49.5
50.0	50.0	50.0
50.5	50.5	50.5
51.0	51.0	51.0
51.5	51.5	51.5
52.0	52.0	52.0
52.5	52.5	52.5
53.0	53.0	53.0
53.5	53.5	53.5
54.0	54.0	54.0
54.5	54.5	54.5
55.0	55.0	55.0
55.5	55.5	55.5
56.0	56.0	

COUNTY #

SOIL PROFILE

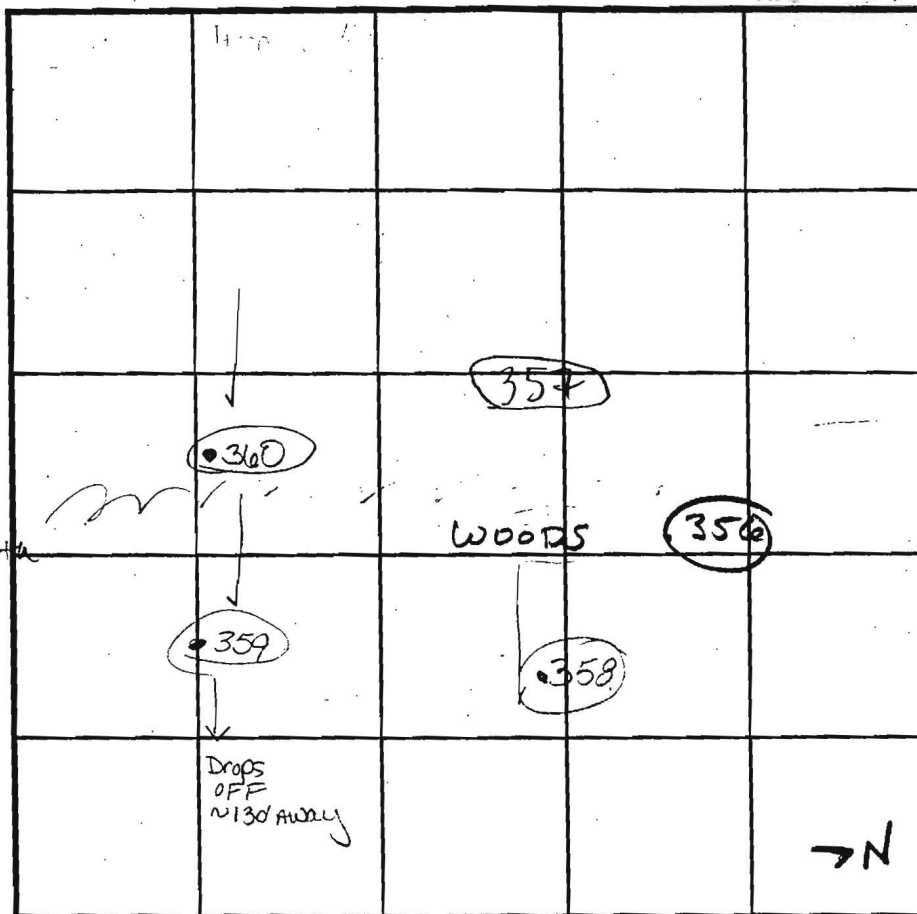
0" (360)
 6-8" Topsoil
 Rd br
 CLM
 5-5 1/2' Rock 10-15%
 org brn
 tan
 brn
 SLM
 7' Rock Frag
 ≤ 35%
 SLM
 10' Rock Frag
 20-25%
 Bottom
 13 1/2'

(359)

Topsoil
 org brn
 CLM
 4'10-5'5" Rock
 5-10%
 beige
 brn (10 yr 5+)
 Lt brn
 SLM
 10-15% Rx
 red brn orge
 wh. gray mottles
 w/ micaceous
 Saprolite mixed
 colors - Parent Material
 Bottom
 13 1/2'

(256)

4-6" Topsoil
 Dk brn
 rd br
 hLM
 rock < 5%
 3' org brn
 tan
 SLM
 Rock Frag
 < 5%
 Bottom
 13 1/2'



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE

0" (358)
 strong brn
 rd brn 5 yr 4/4
 hLM
 CLM
 3' to 5 1/2'
 6' SLM
 Rock < 2%
 9' 40-45%
 weak
 Saprolite
 14' Bottom

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/12/01	P 360	5'7" S	12:47 ¹⁵	12:51	12:51	1:01	10 min
		13 1/2' D	DEEP SHELF FOR FURTHER REVIEW				
	P 359	5'2" S	12:55	12:59	12:59	1:08	9 min
		13 1/2' D					PASS
	P 356	5'10" S	1:17	1:21	1:21	1:29	8 min
		13 1/2' D					PASS
	P 358	5'6" S	1:31	1:39	1:39	2:07	29 min
		14' D	DEEP SHELF FOR FURTHER REVIEW				MARGINAL
12/16/02	360M	7 1/2' D	1:16	1:22	1:22	1:30	8
	608M	7 1/2'	1:31	1:33	1:33	1:36	3

REMARKS

HOLES PER PLAN

TYPE OF SOIL

TESTED BY

Goedeking

ALSO PRESENT

M. Riekin

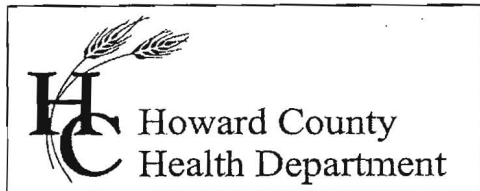
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME

TRENCH WIDTH

INLET DEPTH

MAXIMUM BOTTOM DEPTH

SQ. FT/BEDROOM



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

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

March 30, 2012

Abbey Workman
4935 Valley View Overlook
Ellicott City, MD 21042

RE: **Waiver Approval**
4935 Valley View Overlook
Ellicott City, MD 21042

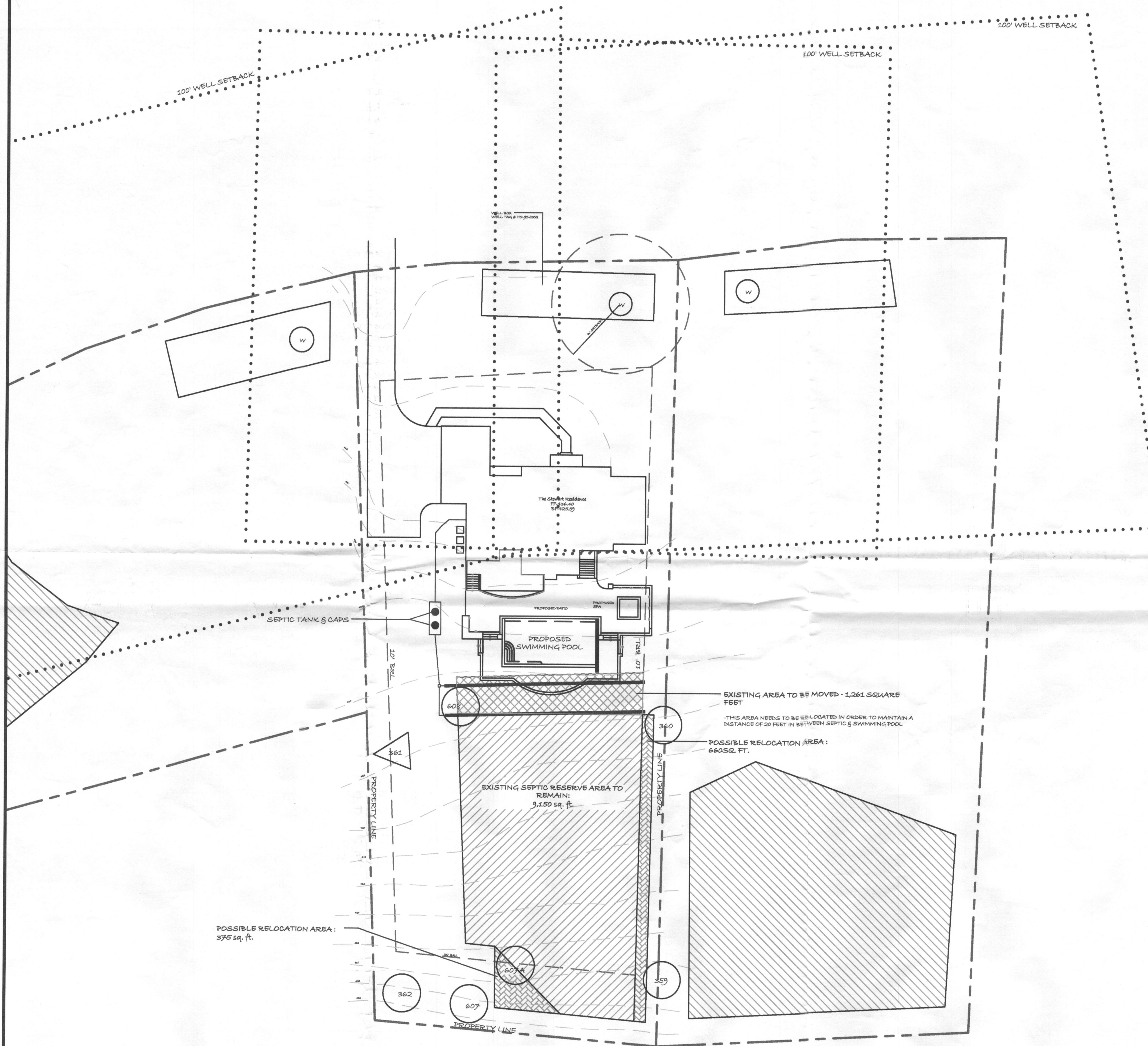
Ms. Workman:

This letter is in follow-up to the approval of the Percolation Certification Plan. The Health Department received your waiver request dated February 23, 2012 to allow the Sewage Disposal Area (SDA) to be located Five (5) feet from the property line. The Health Department grants **approval** of the waiver. Please note that the SDA and the property line adjacent to the SDA may need to be professionally surveyed with stakes along the property line prior to future on-site sewage disposal system installation. Any deviation from the Perc Certification Plan signed by this Department on March 6, 2012 will require review by this Department.

Any questions regarding this decision may be directed to the Well and Septic Program of the Howard County Health Department.

Respectfully,

Michael J. Davis, R.S.
Assistant Director
Bureau of Environmental Health



Purpose Statement:

The purpose of this plan is to revise the septic reserve area to accommodate swimming pool installation.

"I certify that the information shown hereon is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."

[Signature]

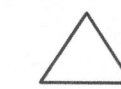
6.23.12
Date

Notes:

- Both existing trenches will be abandoned and replacement trenches of equal size will be installed in the new reserve area. A septic permit must be acquired before any work is done and the installation must be approved by the Health Department before health approval of the building permit.
- Any changes to a private sewage easement shall require a revised percolation certification plan.
- The topography of this plat is taken from property plat dated 6.26.2006 Revised 8.25.2006 and is verified to accurately represent the relative changes on the subject property.
- All wells and septic systems located within 100' of the property boundaries and 200' down gradient of any wells and/or septic systems have been shown.
- The lot shown hereon complies/comply with the minimum ownership width and lot area as required by the Maryland Department of Environment.
- Total area of existing septic easement: 10,411 sq. ft.

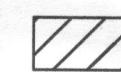


Passed Perc Holes



Failed Perc Holes

Well Setback



This area designates a private sewage disposal area of at least 10,000 sq. ft. as required by Maryland Department of Environment for individual sewage disposal. Improvements of any nature in this area are restricted. This sewage disposal area shall become null and void upon connection to a public sewerage system. The County Health Officer shall have authority to grant adjustments to the private sewage easement of a revised sewage easement shall not be necessary.



Septic area to be abandoned: 1,261 sq. ft.



Septic area to be added: 850 sq. ft.

4935 Valley View Overlook Ellicott, City MD
Community: Patuxent Chase
Property Owners: Bill & Melissa Stewart
Phone #: 410-428-0299 | 410-740-1406
Well Tag #: HO-95-0352

Approved For Private Water and Private Sewerage Systems

[Signature]
Health Officer, Howard County Health Dept.
SW

3/6/2012
Date
1790



CLEARWATER
Landscape & Nursery

9585 Doctor Perry Road
Ijamsville, Maryland 21754

301.607.4480 (phone)
301.607.4481 (fax)

www.clearwaterlandscape.com

REVISED PERC CERTIFICATION PLAN The Stewart Residence 4935 Valley View Overlook Ellicott City, MD

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REVISIONS #	Changes	Date

Designer: A. Workman

Date: 2.15.2012

Scale: 1"=30'

Sheet #: 1 of 1

Drawing: 013711