

# APPLICATION

PERCOLATION TESTING

A 515042

P \_\_\_\_\_

HOWARD COUNTY HEALTH DEPARTMENT  
BUREAU OF ENVIRONMENTAL HEALTH  
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043  
TELEPHONE: 313-2840

DISTRICT \_\_\_\_\_

DATE 4-13-01

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 Natalie Ziegler

ADDRESS 11352 Homewood Rd. PHONE 410 740-6880

AGENT OR PROSPECTIVE BUYER \_\_\_\_\_

ADDRESS \_\_\_\_\_ PHONE \_\_\_\_\_

PROPERTY LOCATION:

SUBDIVISION Benedict Farm LOT NO. \_\_\_\_\_

ROAD AND DESCRIPTION Rt 108 + Homewood Rd.

TAX MAP 29 PARCEL # 93/229

SIZE OF LOT 310 acres +/- 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. Natalie Ziegler  
(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 \_\_\_\_\_

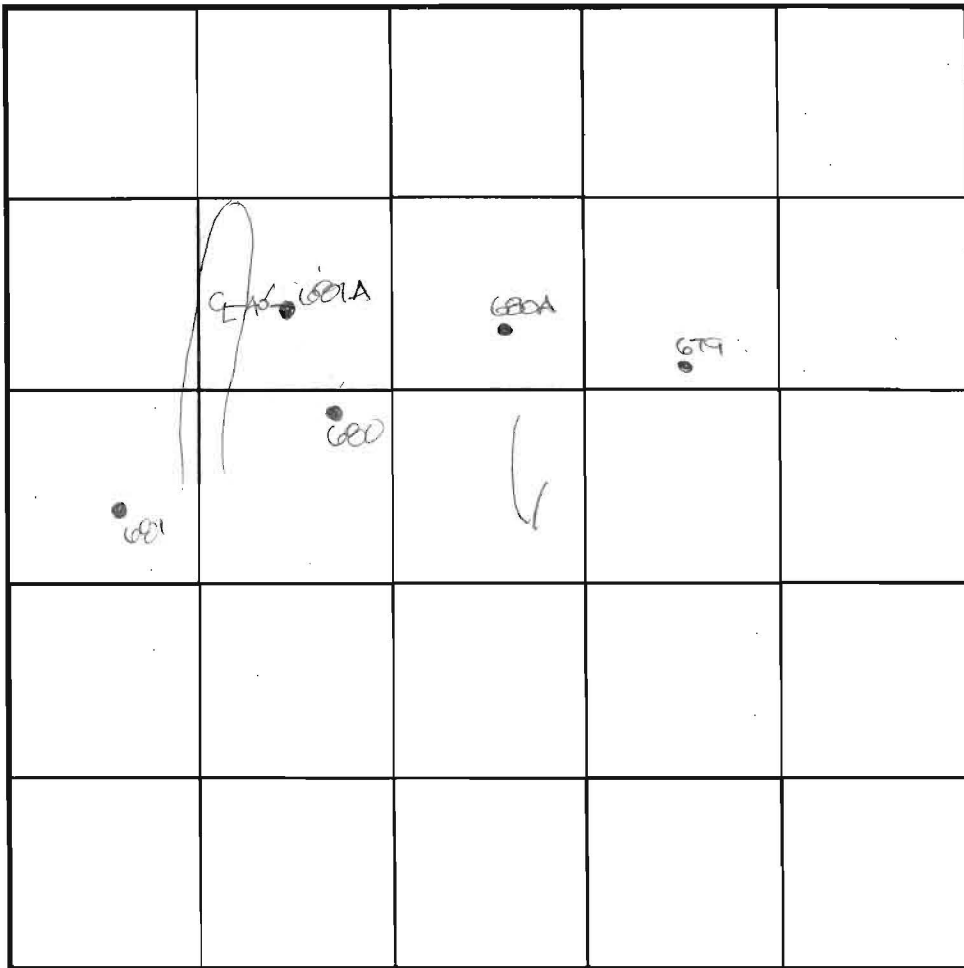
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

0' 680A  
topsoil  
1' br red brn cl lm  
4-4.5' org red brn si mica lm 10% rock  
11'4" evidence mottles  
14'4"



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0' 680  
1' topsoil  
5'4" dull org brn cl lm  
org brn si mica lm  
25% rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-13-01	680A	5.0' S	11:11 <sub>3</sub>	11:16 <sub>3</sub>	11:16 <sub>3</sub>	11:26 <sub>3</sub>	10
		14'4" D	visual	- see	profile		OK
	680	5.0' S	11:16	less than 1" @	11:40		OK below
		14.0' D	visual	- see	profile		OK
	681	4'8" S	11:35 <sub>3</sub>	slow	- test	stopped	—
		11.0' D	water	seepage	- see	profile	FAIL
	680A	5.0' D	Refusal	—	—	—	FAIL

0' 681  
1' topsoil  
5' dull org brn cl lm  
5' org brn to dk brn si cl lm  
11" seepage  
11.5' water

REMARKS

TYPE OF SOIL

TESTED BY DKC DUE TO DROUGHT CONDITIONS, APPROVABLE HOLES MUST HAVE 8 FEET FROM OBSERVED GROUNDWATER TO BOTTOM OF PROPOSED SEPTIC SYSTEM

SO PRESENT M. Johnson & crew  
OWNERS  
TRENCH WIDTH  
3 FT/BEDROOM

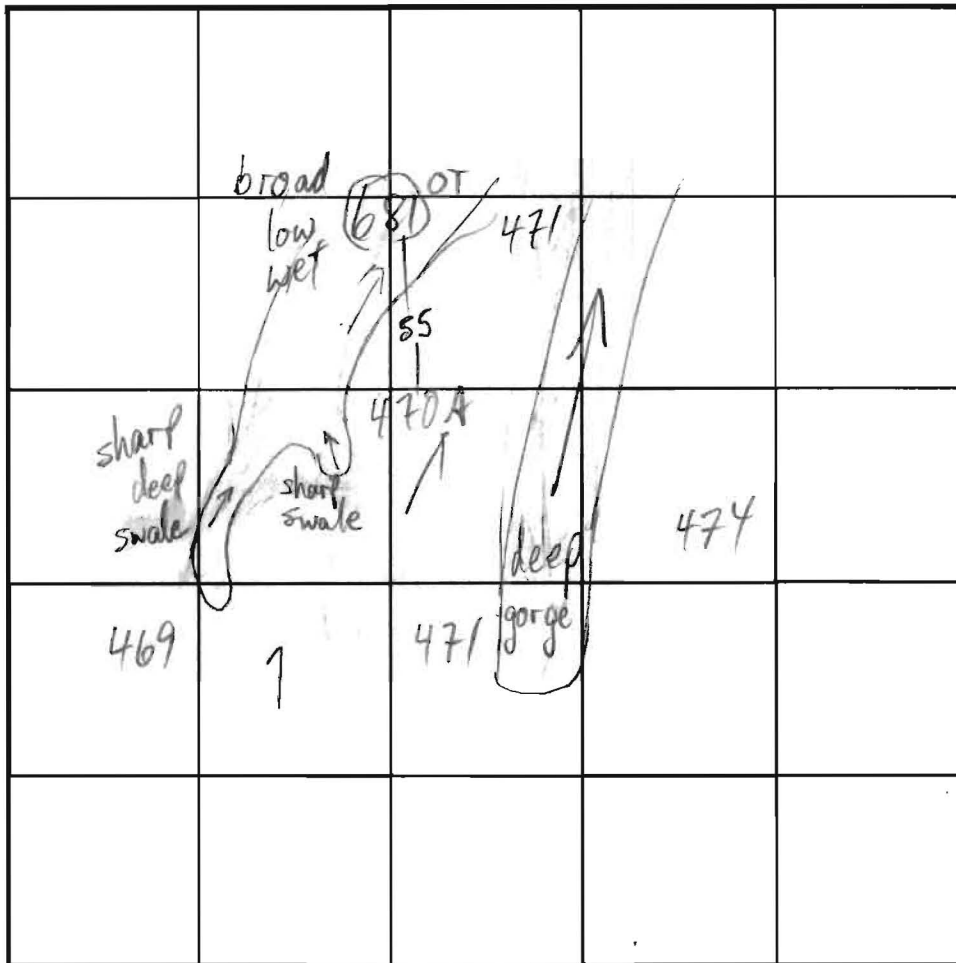
COUNTY #

SOIL PROFILE

0' 469  
 org  
 sil m

6" beige  
 tan  
 sa  
 10%  
 frags

14



SOIL PROFILE

0' 474  
 org  
 brn  
 cl m

tan brn  
 sa m  
 15-20%  
 frags

10  
 25-35%  
 frags

13 1/2

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

470A  
 org  
 brn  
 sil m

6 tan sa m  
 9 sticky  
 wet  
 gran  
 sil

13

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
11/14/01	469	5 1/2 / 14	10:45 better	10:57 below 6"	10:57	11:23	26 EST OK	
	470A	53" / 13	10:48	11:06 1/2	MOTTLES @ 9" - TOO SLOW		FAIL	
	470 ✓	- / 14	NO TEST - DUE TO FAILURE @ 470A					
	474	5 1/2 / 13 1/2	11:51	11:54	11:54	11:58	4 OK	

REMARKS ALL HOLES EXCEPT 470A PER PLAN

TYPE OF SOIL \_\_\_\_\_

TESTED BY Mark Rifkin ALSO PRESENT Chuck Crovo  
Mike J. + crew

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_

INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

470  
 tan  
 org  
 cl m

6 tan brn  
 sil m  
 10-15%  
 frags

14

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

DISTRICT \_\_\_\_\_

DATE \_\_\_\_\_

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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

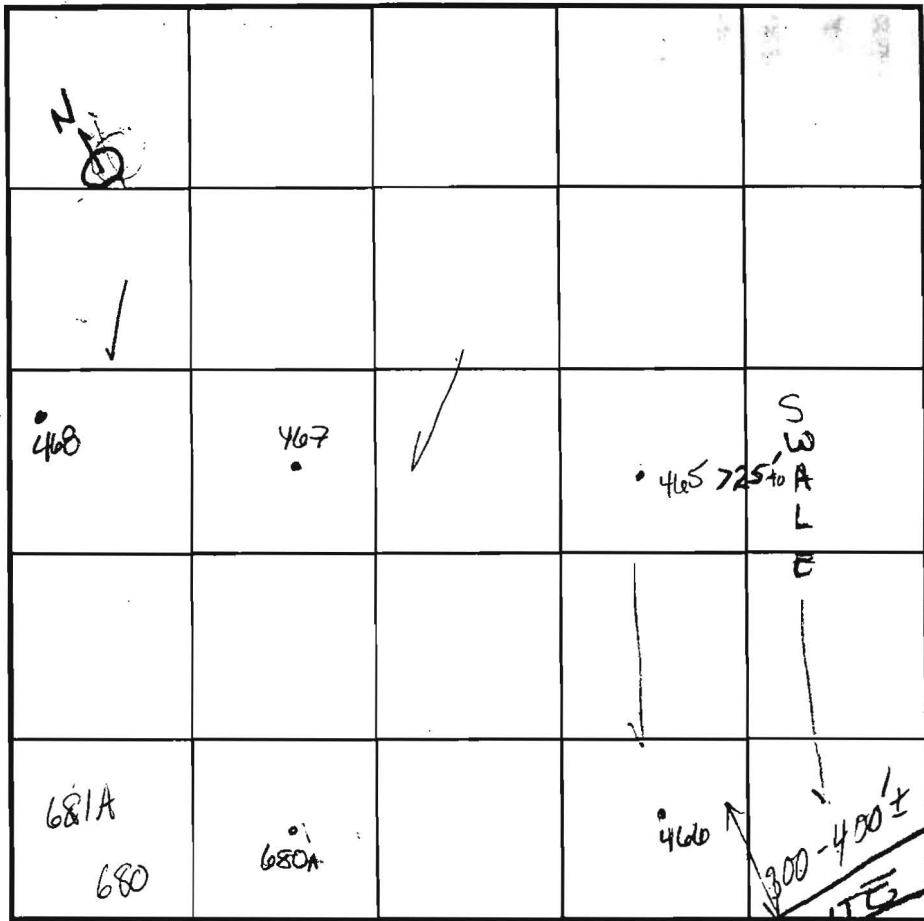
0' (465)  
 68" TOPSOIL  
 Dense Strong brn, org brn CLLM  
 1" tan  
 1" beige  
 v. fr. saprolite of parent material  
 SAND  
 Rock Frag. 25% saprolite 20-30%  
 14" Bottom

(467)

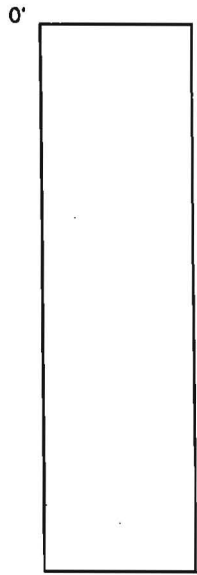
6-8" TOPSOIL  
 brn beige Shm Rock 5-10%  
 5 1/2"  
 1" tan  
 1" org brn  
 1" beige  
 Fr. saprolite & Rock 10-20%  
 14" Bottom

(468)

4" TOPSOIL  
 Strongy brn org brn Trace rock CLLM  
 8" TRANSITION pitise  
 1" beige white  
 SAND w/ amphibole bits  
 weak fr. saprolite ~10%  
 13 1/2" Bottom



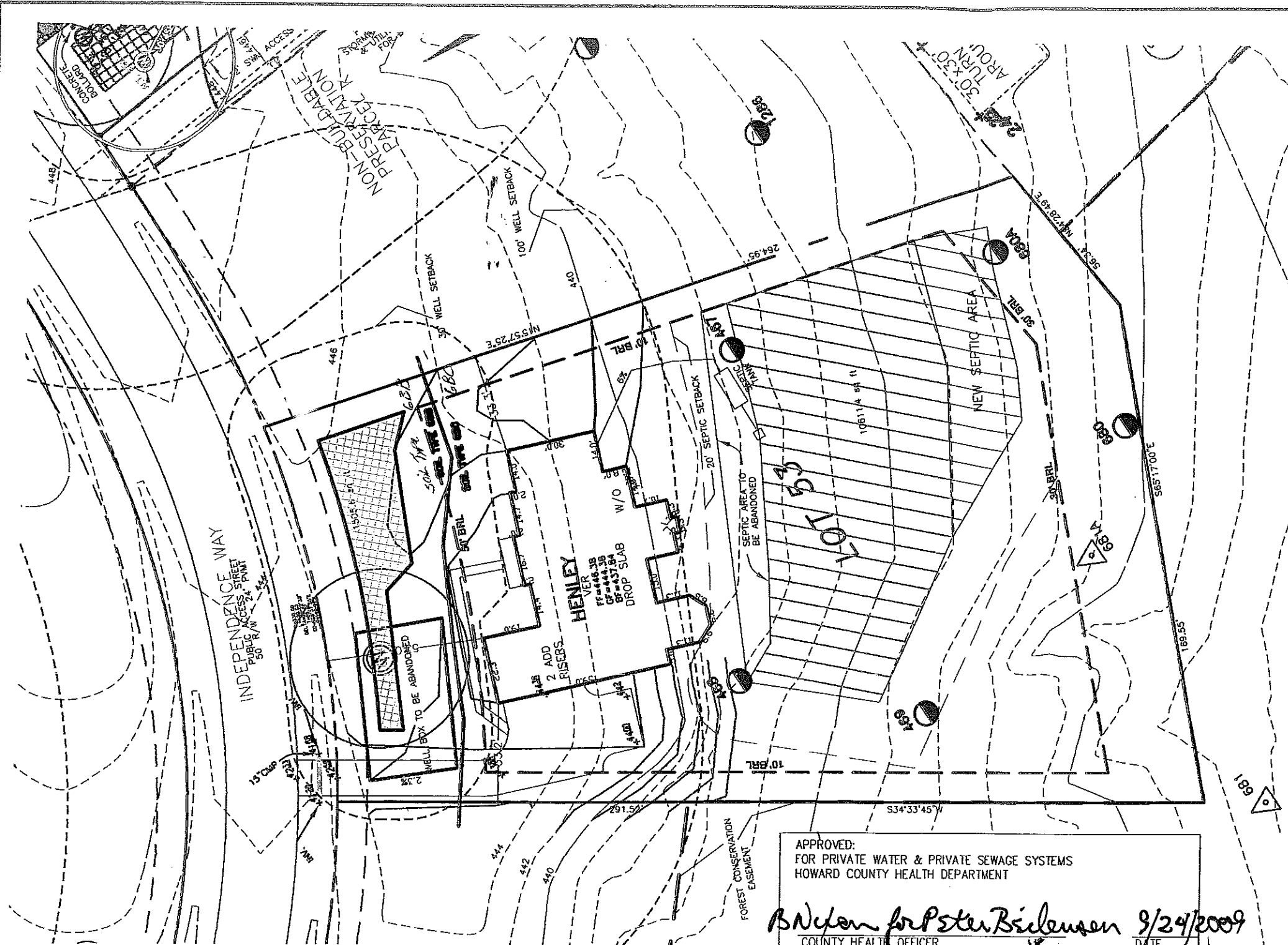
SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
11/14/01	466	Bottom @ 13'	Water	@ 12' after 2 hrs			FAIL
	465	5'3" S	10:41 <sup>20</sup>	10:42 <sup>40</sup>	10:42 <sup>40</sup>	10:44 <sup>20</sup>	2 1/2 min
		Bottom @ 14'					PASS (OK)
	467	5'6" S	10:54 <sup>20</sup>	10:56 <sup>30</sup>	10:56 <sup>30</sup>	10:59 <sup>10</sup>	3 1/2 min
		B @ 14'					PASS
	PERC. 468	5'3" S	11:03 <sup>37</sup>				
		shallower than 7'					PASS
		for review 8' S	10:38 <sup>47</sup>	10:40 <sup>53</sup>	10:40 <sup>53</sup>	10:45 <sup>35</sup>	5 min

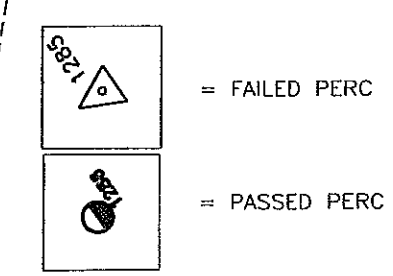
REMARKS #466 water table mottles grey/blue 10'-13' SATUR. SOIL  
 TYPE OF SOIL ALL HOLES PER PLAN  
 TESTED BY Goedeking ALSO PRESENT Chuck Crowe  
 Mike J. + crew  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_



**NOTES:**

1. THE LOT SHOWN HEREON WAS RECORDED ON MAY 2, 2006 AS PLAT NUMBER 18245. REFER TO THIS PLAT FOR LOT DIMENSIONS, LOT AREAS, ALL EASEMENTS AND BUILDING RESTRICTIONS.
2. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA IS RESTRICTED UNTIL PUBLIC SEWER IS AVAILABLE. THIS EASEMENT SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWER SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN. RECORDATION OF A MODIFIED EASEMENT PLAT SHALL NOT BE NECESSARY.
3. EXACT LENGTH OF SEPTIC TRENCHES ARE BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF PRECONSTRUCTION INSPECTION.
4. SPOIL FROM THE TRENCHING OF THE SEPTIC AREA IS TO BE PLACED ON THE UPHILL SIDE OF THE EXCAVATION FOR EACH INDIVIDUAL LOT.
5. SEDIMENT AND EROSION CONTROLS WERE APPROVED BY HOWARD SOIL CONSERVATION DISTRICT UNDER F-05-069 AND GP-07-067 AND SHALL COMPLY WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
6. STORMWATER MANAGEMENT FOR THIS LOT WAS PROVIDED UNDER F-05-069.
7. THE EXISTING WELL (TAG NO. HO 95-1263) SHOWN ON THIS PLAN HAS BEEN FIELD LOCATED BY BENCHMARK ENGINEERING, INC. AND IS ACCURATELY SHOWN.
8. THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE SEPTIC & WELL BOX EASEMENT IN SUPPORT OF A BUILDING PERMIT APPLICATION FOR NEW CONSTRUCTION AT 11241 OLD INDEPENDENCE WAY, ELLICOTT CITY, MARYLAND 21043.
8. TOPOGRAPHIC INFORMATION ESTABLISHED AT TWO FOOT INTERVALS BASED ON AERIAL TOPOGRAPHY PREPARED BY 2DI LLC. DATED APRIL 2001 AND SUPPLEMENTED BY FIELD RUN TOPOGRAPHY PREPARED BY FISHER, COLLINS & CARTER, INC.

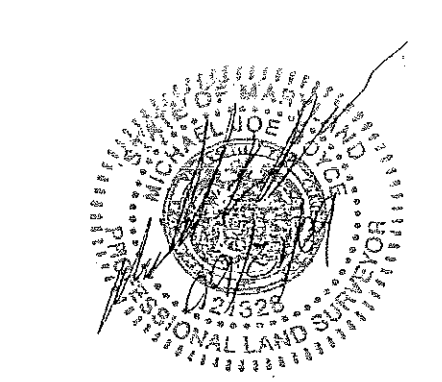
**ADDITIONAL NOTE:**  
 ADDITIONAL GROSS ALPHA AND GROSS BETA AND RADIUM ANALYSES WILL BE REQUIRED PRIOR TO USE AND OCCUPANCY.



INV. AT HOUSE	435.84
GRD. AT INV. AT HOUSE	438.00
INV. IN TANK	431.7
INV. OUT TANK	431.4
TOP OF TANK	432.7
GROUND OVER TANK	436.0
INV. IN DIST. BOX	431.2
INV. OUT DIST. BOX	431.0
GROUND AT BOX	435.0

TYPE: HENLEY (VERSAILLES)-  
 WALKOUT BASEMENT OPTION No. 017  
 CONSERVATORY ELITE OPTION No. 039  
 ADD'L 1' TO HEIGHT OF BASEMENT OPTION No. 070  
 EXPANDED FAMILY ROOM OPTION No. 023  
 DOUBLE WIDE TAIL AT BACK OF DRIVEWAY OPTION No. 851  
 NAPLES SUNROOM OPTION No. 529  
 ADDRESS: 11241 INDEPENDENCE WAY  
 ELLICOTT CITY, MD 21043

APPROVED:  
 FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
*B. Nylan for Peter Bieleisen* 9/24/2009  
 COUNTY HEALTH OFFICER DATE



TO BE BEST OF MY KNOWLEDGE, INFORMATION AND BELIEF, THE FOLLOWING STATEMENTS ARE TRUE:

- 1) ALL EXISTING WELLS, SEPTIC SYSTEMS AND SEWAGE DISPOSAL EASEMENTS WITHIN 100' OF THE PROPERTY BOUNDARIES HAVE BEEN SHOWN. ALL EXISTING AND PROPOSED WELLS THAT ARE LOCATED WITHIN 200 FEET DOWNGRADIENT OF ANY EXISTING OR PROPOSED SEPTIC SYSTEM AND SEWAGE DISPOSAL EASEMENTS HAVE BEEN SHOWN. THE ENGINEER HAS USED ALL EFFORTS TO FIND THE LOCATIONS OF ALL SURROUNDING WELLS AND SEPTIC SYSTEMS

THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTHS AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE ENVIRONMENT AS SHOWN ON THE RECORD PLAT 18240 GENERAL NOTES ITEM 2.

ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN

PERMIT PLOT PLAN &  
 PERCOLATION CERTIFICATION PLAN  
 LOT #53  
**HOMWOOD CROSSING**  
 D.B. 9808, PG. 204  
 PLAT No. 18245  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY

ESE Consultants Inc.  
 7164 Columbia Gateway Dr.  
 Suite 203  
 Columbia, MD 21046  
 TEL: 410-872-9105  
 FAX: 410-872-4870

DATE: 08/11/09	SCALE: 1"=40'	FILE: LOT 53 PLOT PLAN
CHK'D: MJB	JOB#: 1214	DRAWN: MJB