

# APPLICATION

## PERCOLATION TESTING

A \_\_\_\_\_

P \_\_\_\_\_

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

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 \_\_\_\_\_

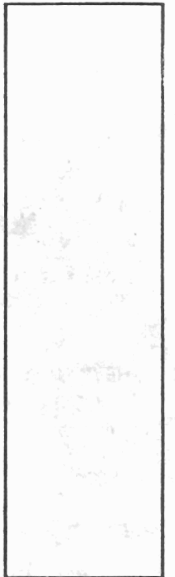
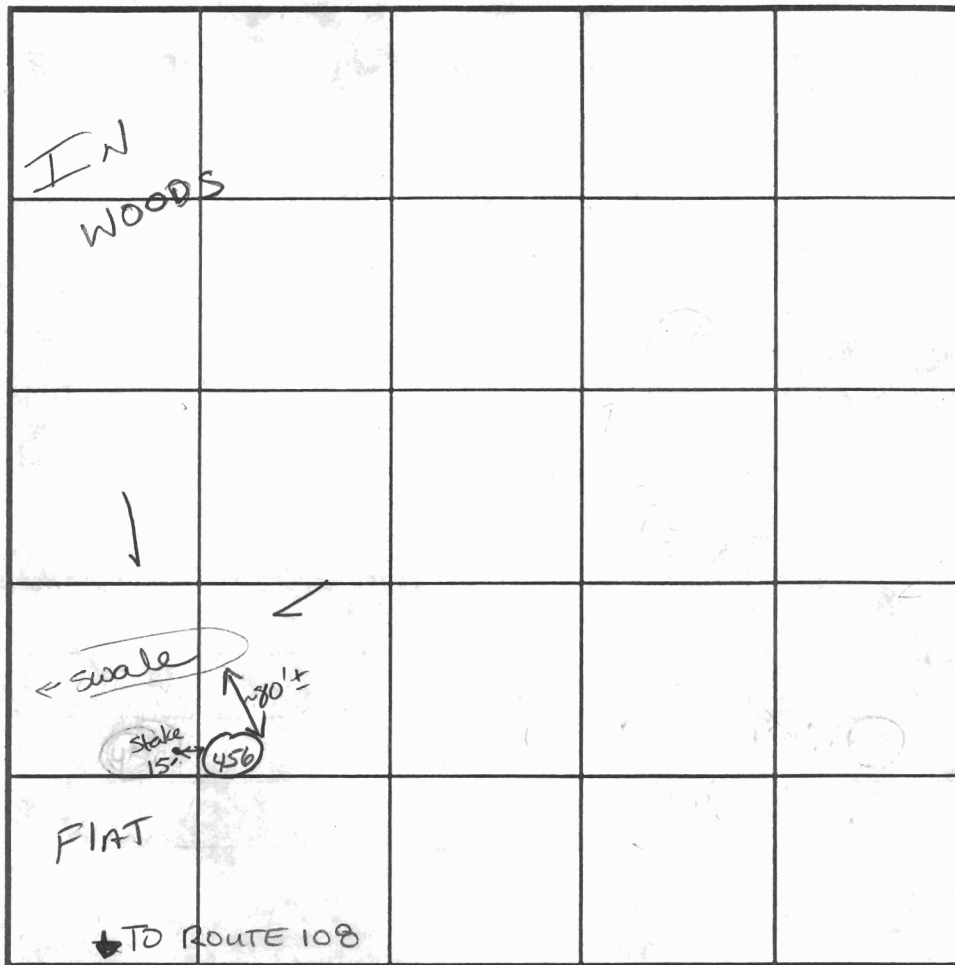
# THIS IS NOT A PERMIT

COUNTY #

SOIL PROFILE

SOIL PROFILE

0' (456)  
 org brn  
 Clay skins 2'  
 Micaceous  
 SCL Lm  
 Trace Rx  
 4'  
 beige, brn  
 tan  
 Micaceous  
 Loam  
 Rx-trace  
 14'  
 Bottom



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-22-02	456	7' S	10:12:02	10:13 <sup>57</sup>	10:13 <sup>57</sup>	10:17 <sup>06</sup>	5min
		14' D					ok

REMARKS Hole per plan

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

TESTED BY Goede King ALSO PRESENT Chuck Crovo  
Mike Johnson

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

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



515042

COUNTY #

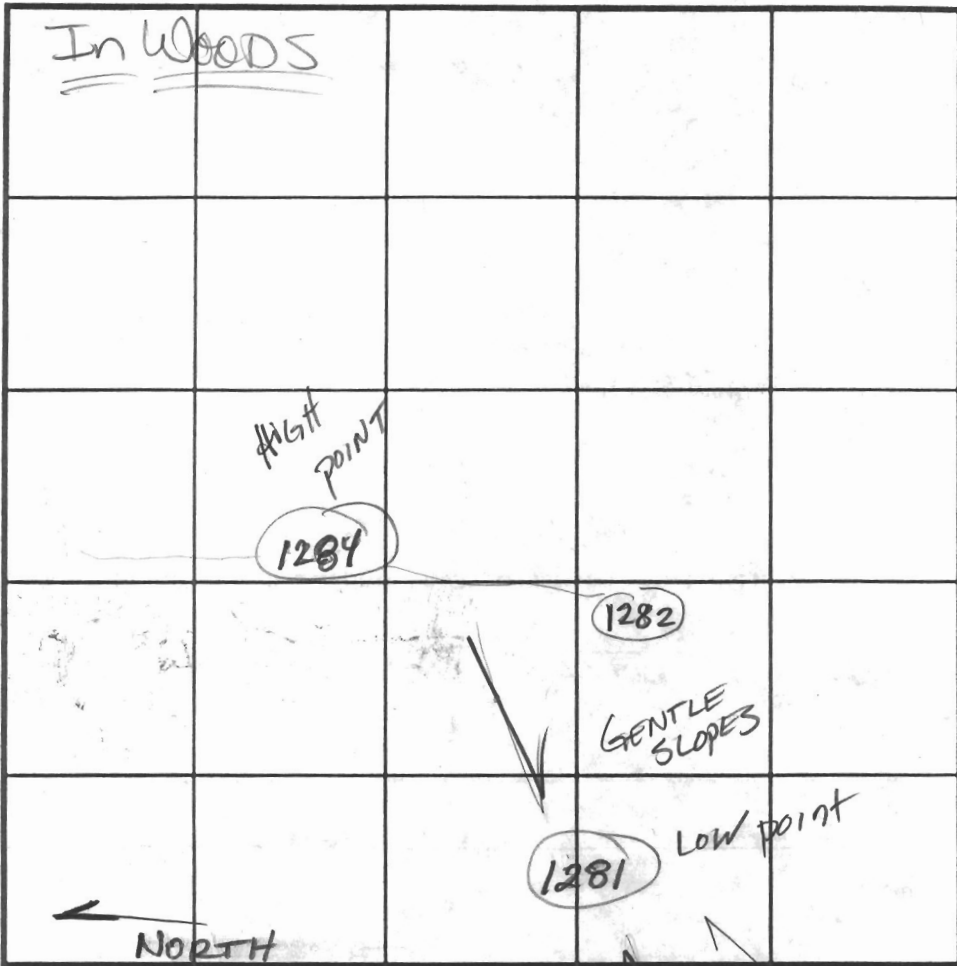
SOIL PROFILE

0' (1282)  
 Strong brn str. org brn  
 CLM  
 Rx ≤ 5% 5 1/2'  
 Strong org Loam Rx Trace  
 almost silm  
 7'  
 Strong org fine sand  
 25% pocket  
 Frost Saprolite  
 10'  
 Rx ≤ 10%  
 Bottom 13'

(1281)  
 Strong org brn micaceous  
 platy structure  
 Loam  
 Rx Trace 4'

micaceous Loam almost silm  
 7'  
 on grey wads  
 10'  
 micaceous mottles  
 Strong org Mn (black) grey  
 Bottom 13'

(1284)  
 Deep orange Hbrn tan loam 3'  
 deep orange Hbrn tan beige  
 silm  
 10-15% Frags  
 Bottom 13'



SOIL PROFILE



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
9-4-02	1282	6'5" 8'12M 13V	9:46:20	9:53:26	9:53:26	10:07	14 min OK
	(F) 1281	8'M 13V	10:03:20	10:05:50	10:05:50	10:07:54	22 min
			10:01:05	10:02:02	10:02:02	10:03:55	22 min
	1284	8'M 13V	9:50:25	9:53	9:53	9:57	4 min OK

REMARKS \_\_\_\_\_  
 TYPE OF SOIL LOT 61  
 TESTED BY Kacie + Mark ALSO PRESENT \_\_\_\_\_  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

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PROPERTY OWNER \_\_\_\_\_

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

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

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

PROPERTY LOCATION:

SUBDIVISION Benedict LOT NO. 61

ROAD AND DESCRIPTION \_\_\_\_\_

TAX MAP \_\_\_\_\_ PARCEL # \_\_\_\_\_

SIZE OF LOT \_\_\_\_\_ TYPE BLDG. \_\_\_\_\_  
(SINGLE FAMILY DWELLING OR COMMERCIAL)

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

# THIS IS NOT A PERMIT

515042  
COUNTY #

SOIL PROFILE  
0' (1276)

Strong DK Red  
CL Lm  
hvy loam  
Dense  
packed  
Rx Trace  
5' ±  
S side  
N side  
tan  
y brn  
micaceous  
fine  
sand  
Trace Rx  
Bottom 13'

(1279)

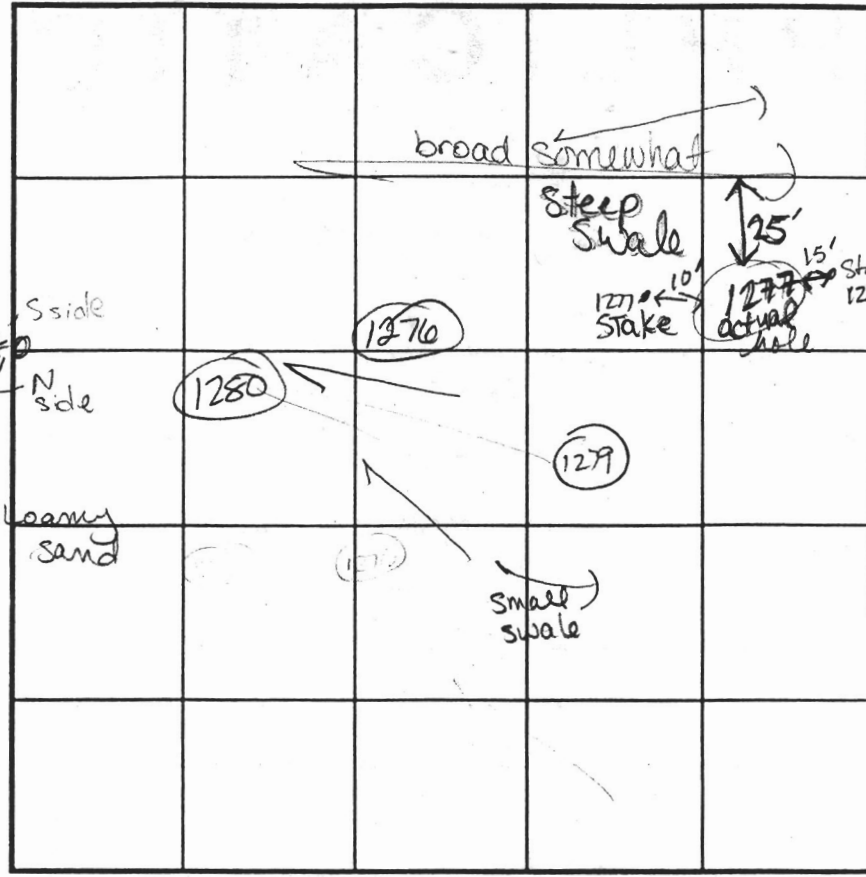
Strong  
rd  
CL Lm  
Trace Rx  
5' 7'

tan  
y brn  
micaceous  
fine  
sand  
Rx: 55%  
Bottom 13'

(1280)

brn  
Si loam  
Loam  
Rx Trace 4'

lt brn  
lt tan  
micaceous  
Loam  
almost  
Si Lm  
Rx  
Trace 13'



SOIL PROFILE  
0' (1275) / (1277)

Dense  
packed  
rd CL Lm  
Trace  
Rx  
7'  
wk org  
Loamy  
sand  
micaceous  
Bottom  
Rx: 55%  
Bottom 13'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
RT 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
9-4-02	1276	5 1/2' S / 7 1/2' M / 13'	10:59:45	11:01:00	11:01:00	11:05:10	4 min	OK
			10:59:14	11:08:00	11:08:00	11:19:00	11 min	OK
	1279	5 1/2' S / 7 1/2' M / 13'	11:15:00	11:22	11:22	11:32	10 min	OK
			11:14:34	11:17:22	11:17	11:21	4 min	OK
	1280	Visual	See	Soil Profile				OK
	1277	5' S / 13' V	11:34:10	11:40:55	11:40:55	11:51	No MOUT	OK @ 6 1/2' or 7'
	1275	7 1/2' / 13' V	11:36:33	11:44:07	11:44:07	11:57	13 min	OK

REMARKS: Staked per plan. Topo per plan  
 TYPE OF SOIL: LOT 60 / LOT 58 area  
 TESTED BY: Kaci ALSO PRESENT: Chuck Crowe  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

EAST

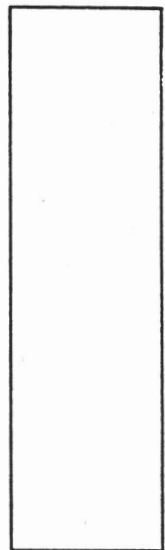
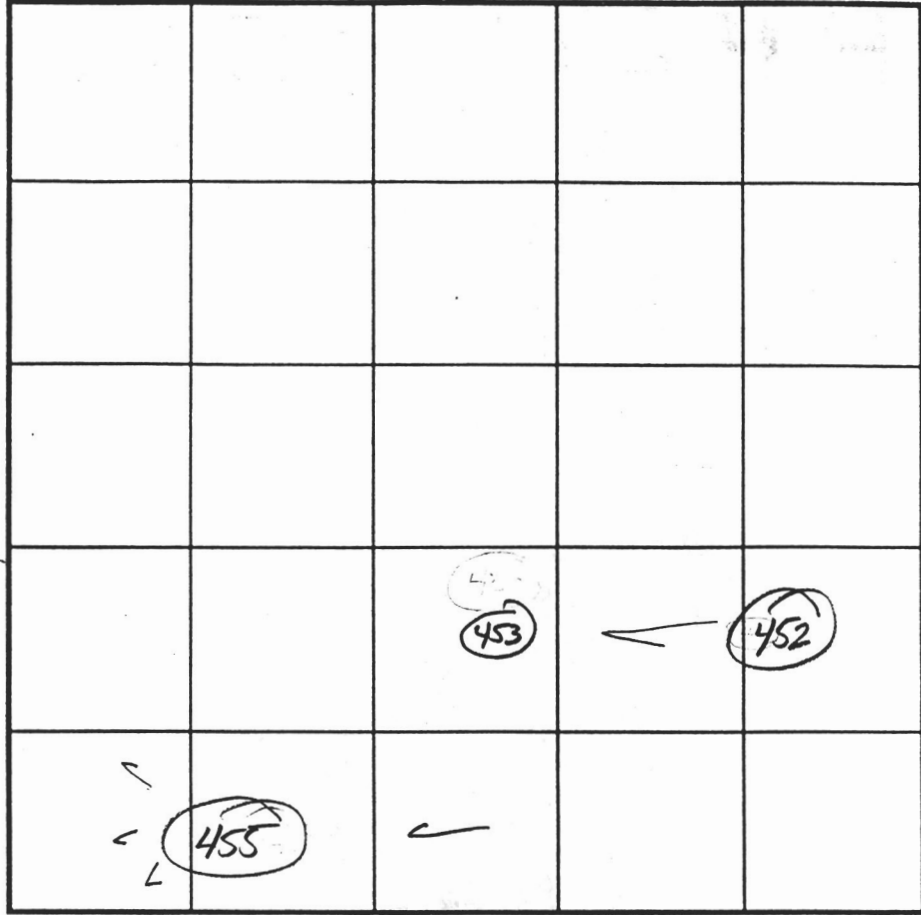
COUNTY #

SOIL PROFILE

SOIL PROFILE

0' (455)  
 6-8" Dk brn organic lm  
 hv lm - CLM  
 7.5YR 6/6 (reddish yellow)  
 5'3"-5'6" 7.5YR 5/6 Strong brn lm  
 <2% weak saprolite from parent material  
 14" Bottom (453) (452)  
 6" Topsoil  
 5YR 4/10 yellowish rd hv. lm micaceous  
 9 1/2" lm  
 6/3, 5YR 8/1, 8/2, Grey weak saprolite (variable color) Rock Frag 25%  
 13'-14" Bottom

NORTH

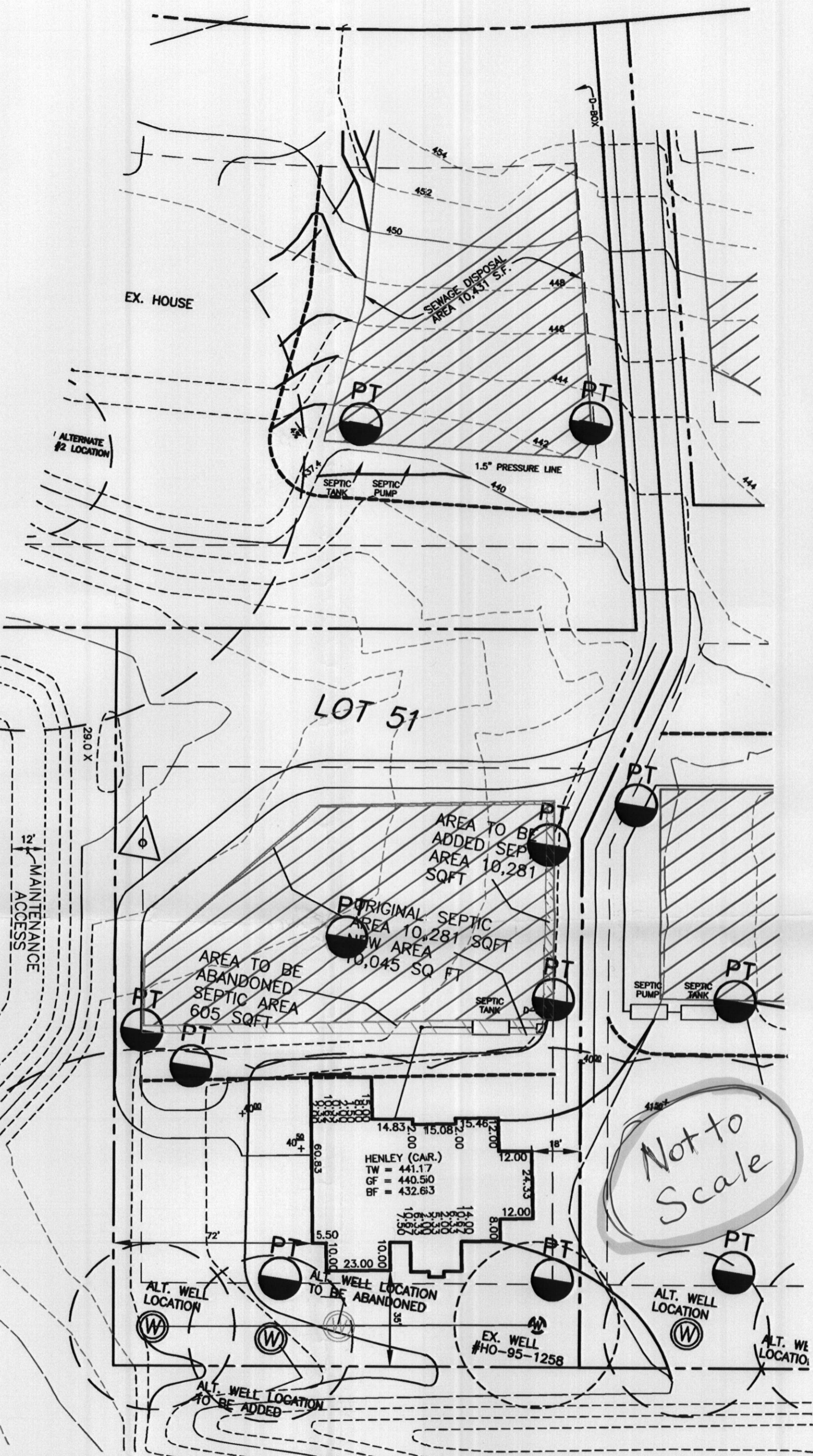


INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.  
 ROUTE 108

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
10/12/01	P 455	5 1/2' S	10:54	11:00	11:00	11:10	10 min
		14' D					PASS
	P 453	5'4" S	11:02	11:07	11:07	11:14	7 min
		13' D					PASS
	P 452	Visual	SEE	SOIL PROFILE	(453)		PASS
	P						

REMARKS Saprolite color of parent material HOLES PERZ PLAN  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY Goede King, K ALSO PRESENT MR Mike & crew  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT./BEDROOM \_\_\_\_\_

INDEPENDENCE WAY



THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE 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. RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

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

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 WAS RECORDED ON THE PLAT 18245

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.

THE PURPOSE OF THIS PERCOLATION CERTIFICATION PLAN IS TO ADJUST THE ALT WELL #3 CLOSER TO THE PROPERTY LINE, AND ADJUST THE SEPTIC RESERVE AREA CLOSER TO THE SHARED DRIVE, AND REMOVE A PORTION IN FRONT OF PROPOSED HOUSE IN ORDER TO PROVIDE A USABLE BUILDABLE AREA.

INV. @ HOUSE	435.9
GROUND @ INV. @ HOUSE	439.0
INV. IN TANK	434.9
INV. OUT TANK	434.6
TOP OF TANK	435.6
GROUND OVER TANK	437.0

INV. IN DIST. BOX	434.3
INV. OUT DIST. BOX	434.0
GROUND @ BOX	438.0

\*\*\*\*\*BASEMENT DOES NOT GRAVITY SEWER\*\*\*\*\*

THE EXISTING WELL(S) SHOWN ON THIS PLAN (IDENTIFIED WITH THE ATTACHED WELL TAG NUMBER HO-95-1258) HAS BEEN FIELD LOCATED BY ESE CONSULTANTS, INC. - PROFESSIONAL LAND SURVEYOR(S), AND IS ACCURATELY SHOWN.

ADDRESS: 11231 INDEPENDENCE WAY  
ELLCOTT CITY MD 21043

APPROVED:  
FOR PRIVATE WATER & PRIVATE SEWAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*Robert Peter Baileason*  
COUNTY HEALTH OFFICER  
DATE: 10/27/2011

BUILDING SETBACKS (B.R.L.'s) SHOWN HEREON PER SITE DEVELOPMENT PLAN SETBACK DISTANCES SHOWN HEREON AS "±" HAVE AN ACCURACY OF ±0.1' FOOT.

LEGEND:

ALT. WELL LOCATION  
PROPOSED ALTERNATE WELL LOCATION

EXISTING WELL  
EXISTING WELL

PT  
EXISTING PASSED PERC.

EXISTING SEPTIC AREA

LINE DATA		
	BEARING	DIST.
L1	N88°00'00"W	24.36'
L2	S02°00'00"W	28.61'
L3	S47°00'00"W	20.00'
L4	N43°00'00"W	27.86'
L5	N88°00'00"W	24.86'
L6	N02°00'00"E	23.05'

TYPE: HOUSE TYPE (ELEVATION)-

OPTION

OPTION No. XXX

NON-BUILDABLE PRESERVATION PARCEL 'K'

TO THE 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

THE SOIL TYPE FOR THIS LOT IS CH2



PERMIT PLOT PLAN & PERCOLATION CERTIFICATION PLAN

LOT # 51

HOMWOOD CROSSING

LIBER 9808, FOLIO 204

PLAT No. 18245

THIRD ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



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

DATE: 10/25/11 SCALE: 1"=40' FILE: LOT 51 PERC CERT  
CHK'D: MJB JOB#: 1214 DRAWN: MJB