

# APPLICATION

PERCOLATION TESTING

A \_\_\_\_\_

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 \_\_\_\_\_ LOT NO. 21

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 \_\_\_\_\_

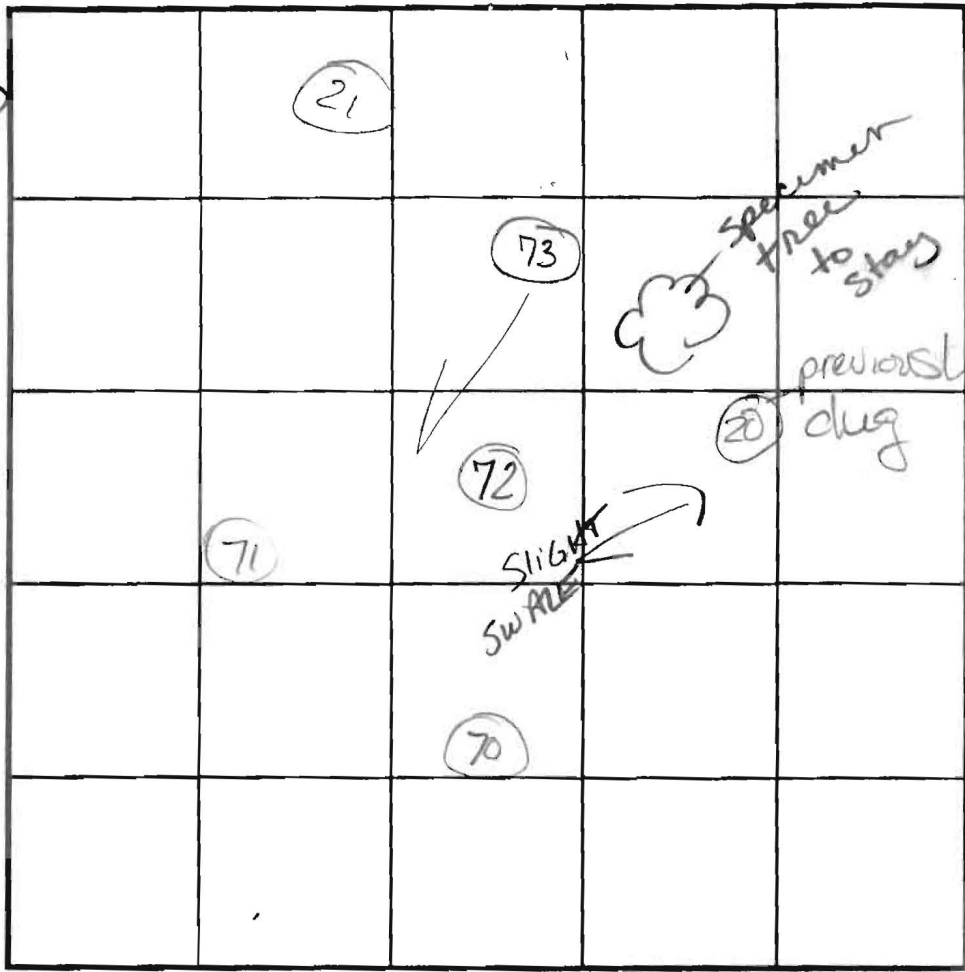
PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # \_\_\_\_\_ DATE \_\_\_\_\_

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

# THIS IS NOT A PERMIT

516045  
COUNTY #

SOIL PROFILE  
0' (73) (70) (71)  
Topsoil 12"  
org brn  
CL Lm  
3'  
Brn sil Lm  
Rx 5-10%  
5'  
tan  
SLm  
Rx  
10-20%  
15'



SOIL PROFILE  
0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

(72) (71)  
Topsoil 12"  
org brn  
CL Lm  
3'  
Brn sil Lm  
5'  
tan sand  
15-25% frags  
Bottom 15'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME	
			START	STOP	START	STOP		
4-15-02	73	5'6" S	3:20	3:22	3:22	3:25 <sup>30</sup>	3 1/2 min	OK
		15' V						
	72	5' S	3:29 <sup>00</sup>	3:31	3:31	3:34 <sup>30</sup>	3 1/2 min	OK
		15' V						
	71	5 1/2' S	3:32 <sup>55</sup>	3:34 <sup>50</sup>	3:34 <sup>50</sup>	3:38	3 1/2 min	OK
		15' S						
	70	10' S	3:36 <sup>19</sup>	3:38	3:38	3:41 <sup>50</sup>	3 1/2 min	OK
		14'						

REMARKS Holes dug per plan  
 TYPE OF SOIL \_\_\_\_\_  
 TESTED BY SRK/KG ALSO PRESENT C. Sperry  
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME \_\_\_\_\_ TRENCH WIDTH \_\_\_\_\_  
 INLET DEPTH \_\_\_\_\_ MAXIMUM BOTTOM DEPTH \_\_\_\_\_ SQ. FT/BEDROOM \_\_\_\_\_

15-020

518045

FREDERICK RD

COUNTY #

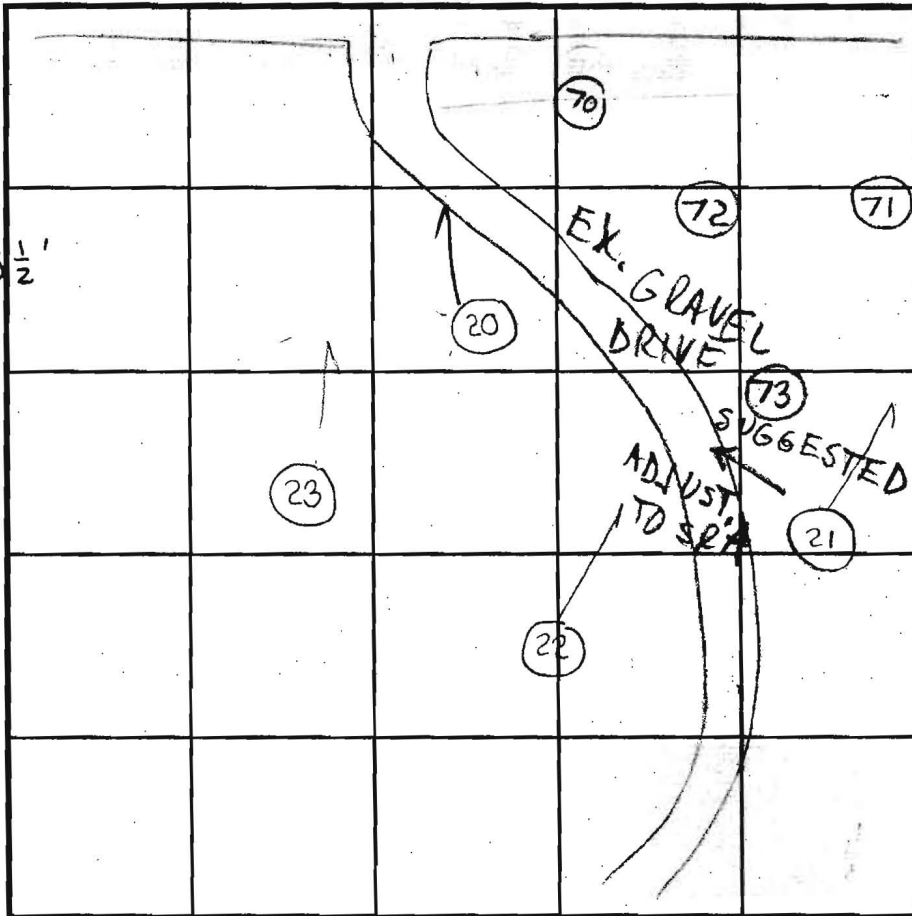
SOIL PROFILE

0' **(22)**  
 Topsoil  
 hvy org  
 lm-cllm  
 TRANSITION 2 1/2' - 3 1/2'  
 Pink  
 beige  
 tan  
 Sa Lm  
 Rock  
 Frag/Saprolite  
 5-10%  
 Bottom 14'

**(21)**  
 Topsoil 6"  
 Dense  
 Strong org  
 brn  
 Rd cllm  
 5'6"

Strong  
 brn  
 SANDY Lm  
 platy  
 Structure  
 30-35%  
 Bottom 14'

**(20)**  
 Topsoil 1 1/2'  
 rd brn  
 beige Strong brn  
 Platy soil  
 Structure  
 Rock ~ 5-10%  
 5'1/2'  
 beige  
 brn  
 SLm  
 Rock  
 Frags  
 mn on rock  
 faces  
 10-20%  
 Bottom 14 1/2'



SOIL PROFILE

0' **(23)**  
 4" Topsoil  
 hvy  
 Strong org  
 brn  
 hLm  
 5 1/2'  
 Sandy Lm  
 10-15%  
 hard  
 Saprolite  
 org brn  
 15' Bottom

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
12/6/01	<b>(22)</b>	7' S	3:11 <sup>50</sup>	3:13 <sup>14</sup>	3:13 <sup>14</sup>	3:17	4 min
		14' D	—————>				OK
	<b>(21)</b>	7' S	3:44 <sup>30</sup>	3:45 <sup>47</sup>	3:45 <sup>47</sup>	3:49 <sup>16</sup>	4 min
		14' D	—————>				
	<b>(20)</b>	6 1/2' S	3:36 <sup>00</sup>	3:37 <sup>30</sup>	3:37 <sup>30</sup>	3:41	4 1/2
		14 1/2' D	—————>				OK
	<b>(23)</b>	6 1/2' S	3:21 <sup>38</sup>	3:23 <sup>00</sup>	3:23 <sup>00</sup>	3:26 <sup>00</sup>	3 min
		15' D	—————>				OK

REMARKS HOLES PER PLAN

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

TESTED BY KG/SRK ALSO PRESENT HELPER (Roberto)

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

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





SOILS LEGEND		
MAP SYMBOL	SOIL GROUP	SOIL TYPE
	B	CHESTER GRAVELLY SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
	B	CHESTER GRAVELLY SILT LOAM, 8 TO 15 % SLOPES, MODERATELY ERODED
	B	CHESTER SILT LOAM, 0 TO 3 % SLOPES
	B	CHESTER SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
	B	CHESTER SILT LOAM, 8 TO 15 % SLOPES, MODERATELY ERODED
	B	CHESTER SILT LOAM, 15 TO 25 % SLOPES, MODERATELY ERODED
	B	COMUS SILT LOAM
	C	ELIOAK SILT LOAM, 3 TO 8 % SLOPES, MODERATELY ERODED
	C	ELIOAK SILT LOAM, 8 TO 15 % SLOPES, MODERATELY ERODED
	C	ELIOAK SILT LOAM, 15 TO 25 % SLOPES, MODERATELY ERODED
	C	ELIOAK SILTY CLAY LOAM, 15 TO 25 % SLOPES, SEVERELY ERODED

\* INDICATES HYDRIC SOILS  
TAKEN FROM SOILS SURVEY, ISSUED JULY 1988, MAP NO. 7

**GENERAL NOTES**

- THE LOTS SHOWN HEREON COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE 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. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE REQUIRED.
- UNLESS OTHERWISE SHOWN NO WELLS OR SEWERAGE EASEMENTS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
- EXACT LENGTH OF SEPTIC TRENCHES IS TO BE DETERMINED BY THE HEALTH DEPARTMENT AT THE TIME OF TRENCH LAYOUT AND INSPECTION.
- TOPOGRAPHY SHOWN HEREON WAS PURCHASED FROM HOWARD COUNTY, GEOGRAPHICAL INFORMATION SYSTEMS BY BENCHMARK ENGINEERING, INC. AND FIELD VERIFIED.
- ALL WELLS TO BE DRILLED PRIOR TO SUBMITTAL OF FINAL PLAT FOR SIGNATURE. IT IS THE DEVELOPER'S RESPONSIBILITY TO SCHEDULE THE WELL DRILLING PRIOR TO FINAL PLAT SUBMISSION. IT WILL NOT BE CONSIDERED "GOVERNMENTAL DELAY" IF THE WELL DRILLING DELAYS THE HEALTH DEPARTMENT SIGNATURE OF THE RECORD PLAT.
- GROUND WATER APPROPRIATION PERMIT SHALL BE OBTAINED PRIOR TO SUBMITTAL OF RECORD PLAT FOR SIGNATURE.
- ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.

**LEGEND**

- SOILS CLASSIFICATION  
SOILS DELINEATION  
EXISTING CONTOURS (FIELD RUN)  
LIMIT OF WETLANDS  
EXISTING WOODS LINE  
PROPOSED WOODS LINE  
EXISTING STRUCTURE  
PROPOSED SEPTIC FIELD  
PROPOSED SEPTIC FIELD  
SLOPES 15% TO 24.9%  
SLOPES 25% OR GREATER  
EX. 100 YEAR FLOODPLAIN  
FOREST  
CONSERVATION EASEMENT  
PERCOLATION TEST PASSED  
PERCOLATION TEST FAILED

NO.	DATE	REVISION

**BENCHMARK**  
ENGINEERS • LAND SURVEYORS • PLANNERS  
**ENGINEERING, INC.**

8480 BALTIMORE NATIONAL PIKE & SUITE 418  
ELLICOTT CITY, MARYLAND 21043  
PHONE: 410-465-6105 FAX: 410-465-6644  
E-MAIL: bal@bel-civilengineering.com

9/25/07

<p>DEVELOPER/OWNER LOT 4: DR HORTON, INC 15810 GATHER DRIVE, SUITE 220 GATHERSBURG, MD 20877 1-301-670-6144</p> <p>OWNER LOT 1: HECTOR HANNIBAL AND TANYA SELLERS-HANNIBAL 14450 FREDERICK ROAD COOKSVILLE, MD 21723</p> <p>OWNER LOT 2: STEVEN AND JULIE CHU 14460 FREDERICK ROAD COOKSVILLE, MD 21723</p> <p>OWNER LOT 3: ROBERT AND PHYLLIS BULL 14470 FREDERICK ROAD COOKSVILLE, MD 21723</p>	<p>PROJECT: <b>VISTA RIDGE</b> A RESUBDIVISION OF LOTS 1-4, CREATING LOTS 5 THRU 21, AND PRESERVATION PARCELS "A" THROUGH "D"</p> <p>LOCATION: TAX MAP No. 8 - GRID No. 23 PARCEL No. 176 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND</p> <p>TITLE: <b>REVISED PERCOLATION CERTIFICATION PLAN</b></p> <p>DATE: SEPTEMBER, 2007 PROJECT NO. 1490 SCALE: 1" = 100' DRAWING 10 OF 10</p>
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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 KNOWLEDGE AND BELIEF.

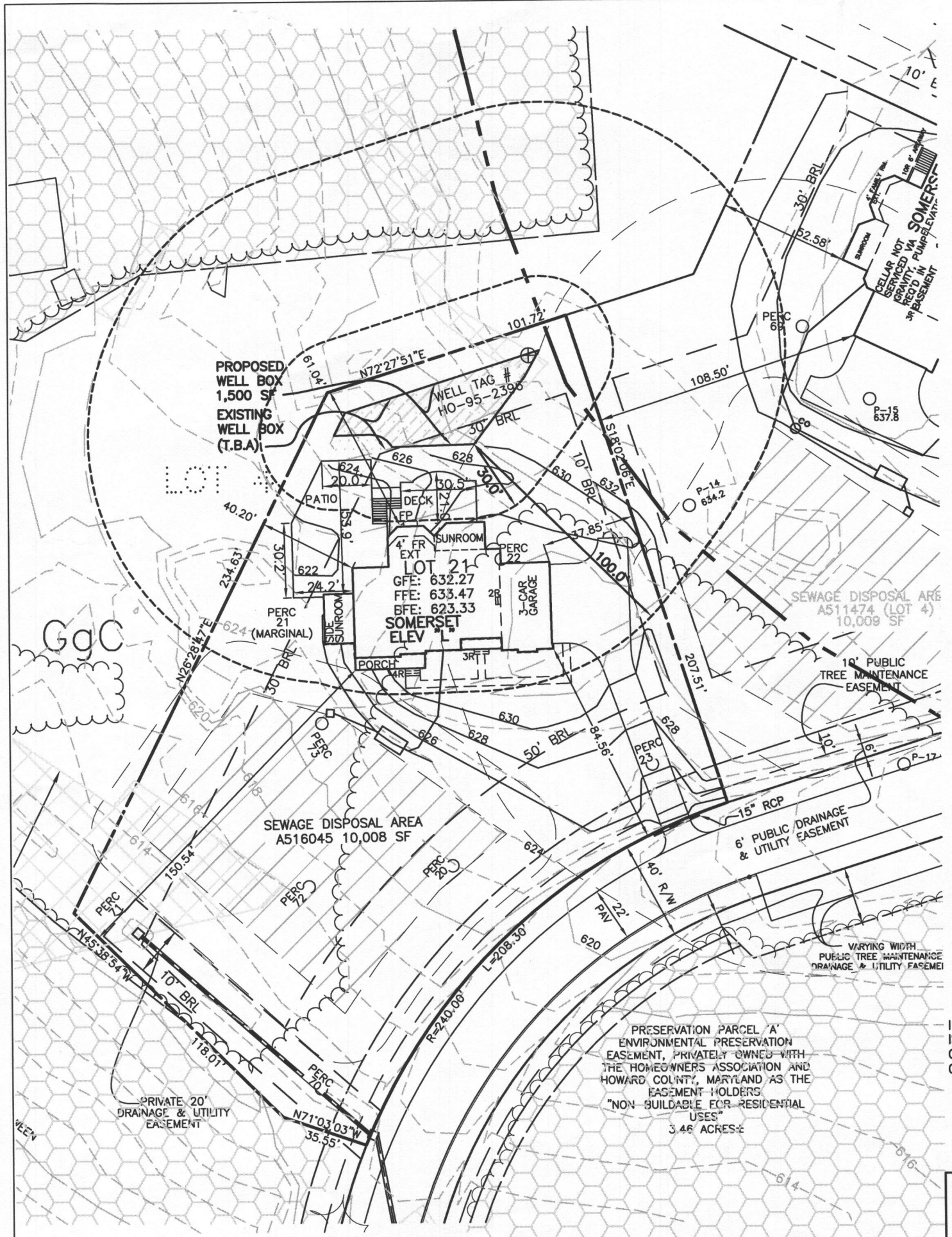
*John Carney* 9/26/07  
DATE

PLAN PREPARER: JOHN CARNEY  
FOR BENCHMARK ENGINEERING, INC.

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT  
*Robert Peter Beilman* 10/22/2007  
COUNTY HEALTH OFFICER DATE

TENTATIVELY APPROVED  
DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY

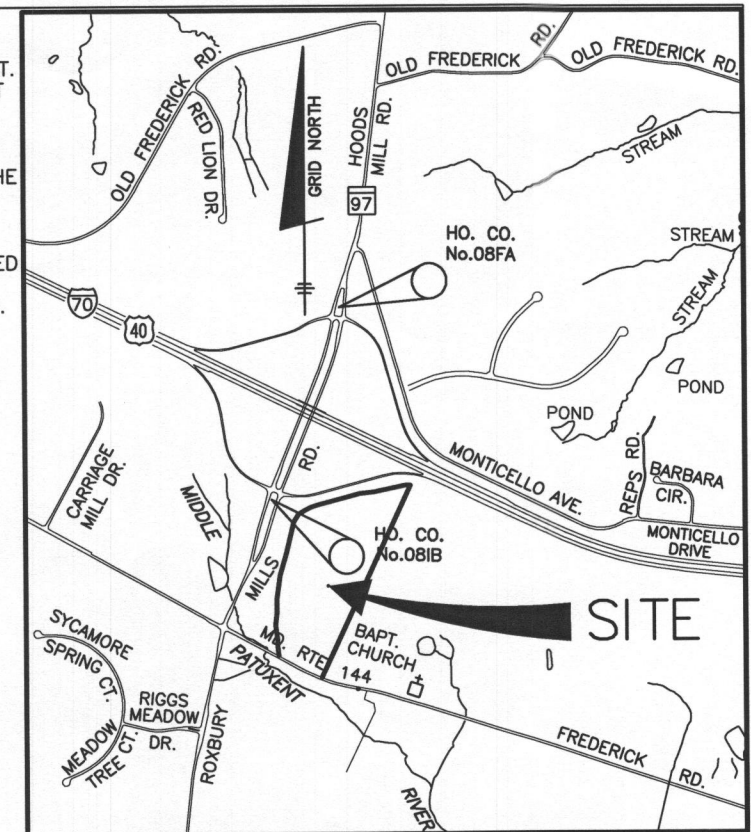
*Paul D. Doyle* 11/9/07  
PLANNING DIRECTOR DATE



**PLAN VIEW**  
1" = 50'

**GENERAL NOTES**

- 1.) THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
- 2.) THIS AREA DESIGNATES A PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 S.F. AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE 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 SEWAGE DISPOSAL AREA. RECORDATION OF A MODIFIED SEWAGE DISPOSAL AREA PLAT SHALL NOT BE REQUIRED.
- 3.) UNLESS OTHERWISE SHOWN NO WELLS OR SEWAGE DISPOSAL AREAS ARE LOCATED WITHIN 100 FEET OF THE PROPERTY.
- 4.) TOPOGRAPHY FIELD RUN BY BENCHMARK ENGINEERING INC., DATED MARCH 2003. WELL HO-95-2396 IS ACCURATELY SHOWN PER FIELD LOCATION.
- 5.) ANY CHANGES TO A PRIVATE SEWAGE DISPOSAL AREA OR WELL BOX SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
- 6.) THE PURPOSE OF THIS PERCOLATION CERTIFICATION REVISION IS TO ADJUST THE WELL BOX ON LOT 21 TO ALLOW FOR A POOL, DECK AND PATIO.



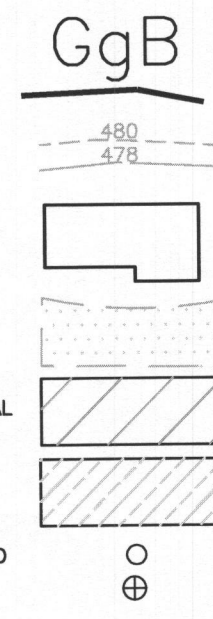
**VICINITY MAP**  
SCALE: 1"=2000'  
ADC MAP No. 4 GRID D-13

SOILS LEGEND			
MAP SYMBOL	SOIL GROUP	SOIL TYPE	Kw FACTOR
GgB	B	GLENELG LOAM, 3 TO 8 % SLOPES	0.20
GgC	B	GLENELG LOAM, 8 TO 15 % SLOPES	0.20

\* INDICATES HYDRIC SOILS  
TAKEN FROM WEB SOILS SURVEY WEBSITE, ISSUED 2008, MAP NO. 16.

**LEGEND**

- SOILS CLASSIFICATION
- SOILS DELINEATION
- EXISTING CONTOURS (FIELD RUN)
- EXISTING STRUCTURE
- EXISTING WELL BOX
- EXISTING SEWAGE DISPOSAL AREA
- PROPOSED WELL BOX
- PERCOLATION TEST PASSED
- FIELD LOCATED WELL



**BENCHMARK**

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PHONE: 410-485-8105 FAX: 410-485-8644  
E-MAIL: [bei@bei-civilengineering.com](mailto:bei@bei-civilengineering.com)

<b>VISTA RIDGE</b> LOTS 21 2021 DROVERS LANE COOKSVILLE, MD 21723	
LOCATION:	TAX MAP No. 8 - GRID No. 23 PARCEL No. 176 4th ELECTION DISTRICT HOWARD COUNTY, MARYLAND TAX ID 04 595486
TITLE:	<b>REVISED PERCOLATION CERTIFICATION PLAN</b>
DATE:	JULY, 2017
SCALE:	1" = 50'
PROJECT NO.	2840
DRAWING	1 OF 1

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 MY BEST OF KNOWLEDGE AND BELIEF.

*John M. Carney*  
PLAN PREPARER: JOHN M. CARNEY FOR BENCHMARK ENGINEERING, INC. DATE: 7/20/17

APPROVED: FOR PRIVATE WATER AND PRIVATE SEWER SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

*Maureen Rossoway* 8/3/2017  
COUNTY HEALTH OFFICER DATE: