



# APPLICATION

## FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) \_\_\_\_\_ TEST TIME \_\_\_\_\_

AP 537385

AGENCY REVIEW: \_\_\_\_\_

DATE 7.3.12

DO NOT WRITE ABOVE THIS LINE

I HEREBY APPLY FOR THE NECESSARY TESTING/EVALUATION PRIOR TO ISSUANCE OF SEWAGE DISPOSAL SYSTEM PERMIT(S) TO:

CHECK AS NEEDED:

- CONSTRUCT NEW SEPTIC SYSTEM(S)
- REPAIR/ADD TO AN EXISTING SEPTIC SYSTEM
- REPLACE AN EXISTING SEPTIC SYSTEM

CHECK AS NEEDED:

- NEW STRUCTURE(S)
- ADDITION TO AN EXISTING STRUCTURE
- REPLACE AN EXISTING STRUCTURE

CHECK ONE:

- CREATE NEW LOT(S)
- BUILD ON AN EXISTING LOT IN A SUBDIVISION
- BUILD ON AN EXISTING PARCEL OF RECORD

IS THE PROPERTY WITHIN 2500' OF ANY RESERVOIR?

- YES
- NO

THE TYPE OF STRUCTURE IS:

- RESIDENTIAL WITH N/A PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE (NOTE **UNKNOWN** IF APPROPRIATE)
- COMMERCIAL (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/ CUSTOMERS ON ACCOMPANYING PLAN)
- INSTITUTIONAL/GOVERNMENT (PROVIDE DETAIL OF NUMBERS AND TYPES OF EMPLOYEES/USERS ON ACCOMPANYING PLAN)

PROPERTY OWNER(S) Barry Ritter & Christine Dockstader

DAYTIME PHONE \_\_\_\_\_ CELL \_\_\_\_\_ FAX \_\_\_\_\_

MAILING ADDRESS 13521 Paternal Gift Drive Highland, Md. 20777  
STREET CITY/TOWN STATE ZIP

APPLICANT CLSI, Inc

DAYTIME PHONE 410-848-1790 CELL 410-984-6996 FAX 410-848-1791

MAILING ADDRESS 439 East Main Street Westminster, Md. 21157  
STREET CITY/TOWN STATE ZIP

APPLICANT'S ROLE: DEVELOPER BUILDER BUYER RELATIVE/FRIEND REALTOR CONSULTANT

PROPERTY LOCATION  
SUBDIVISION/PROPERTY NAME Paternal Gift Farm LOT NO. 10

PROPERTY ADDRESS 13521 Paternal Gift Drive Highland, Md. 20777  
STREET TOWN/POST OFFICE

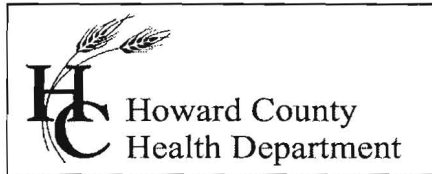
TAX MAP PAGE(S) 0040 GRID 0011 PARCEL(S) 0090 PROPOSED LOT SIZE 1.120 Ac.

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A. AND "MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT.

Quinn Spickley Ex. V. P.  
SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM  
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648  
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH



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](http://www.hchealth.org)

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

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**MEMORANDUM**

TO: Dennis E. Meckley  
CLSI

FROM: Heidi Scott  
Well and Septic Program  
Development Coordination Section

RE: 13521 Paternal Gift Dr  
Percolation Test Plan

DATE: July 10<sup>th</sup>, 2012

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The following comments apply to the above referenced plan. These comments must be addressed prior to percolation testing.

- The proposed septic reserve area must be at least 5 feet from the existing patio/fire pit/hot tub enclosure.
- No existing or proposed percolation tests are shown (see attachment for existing approved perc test locations).
- Portions of the revised septic reserve area may not be useable. Trench length must be a minimum of 40 feet. A total of 3 systems (including the existing) must fit within the proposed septic reserve area.

Cc:  
File



## Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-2640 | Fax: 410-313-2648

TDD 410-313-2323 | Toll Free 1-866-313-6300

[www.hchealth.org](http://www.hchealth.org)

Facebook: [www.facebook.com/hocohealth](https://www.facebook.com/hocohealth)

Twitter: [HowardCoHealthDep](https://twitter.com/HowardCoHealthDep)

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

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August 8<sup>th</sup>, 2012

To: Dennis Meckley  
CLSI

RE: Perc Test Report, [13521 Paternal Gift Drive]; A537385

Percolation testing was conducted on the referenced property on August 7<sup>th</sup>, 2012. The purpose for conducting these percolation tests was to revise the existing septic reserve area for a proposed in ground swimming pool.

All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at the specified test locations. Areas that may be included in a septic reserve are represented by test locations having satisfactory soil conditions. The area of the septic reserve must be at least 10,000 square feet, though Howard County Code [3.805.A.2.X] requires that the area be large enough to accommodate an initial drainfield and two repair drainfields for the planned residence.

Soil conditions observed were satisfactory for onsite wastewater treatment and disposal. A total of two percolation tests were conducted. Both tests were satisfactory.

Field data collected are shown on Percolation Test Worksheets enclosed with this letter. Recommended Inlet and Trench Bottom depths, and Usable Sidewall all are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. The values for the drainfield parameters will be documented during the Percolation Certification Plan process, and then maintained in the Health Department file for the subject property.

Additional field review of well or septic system conditions may be required at any time during this process. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan or Site Plan, please contact me at the above address or by calling (410) 313-6287.

Respectfully,

Heidi Scott, R.S.  
Environmental Sanitarian  
Well and Septic Program

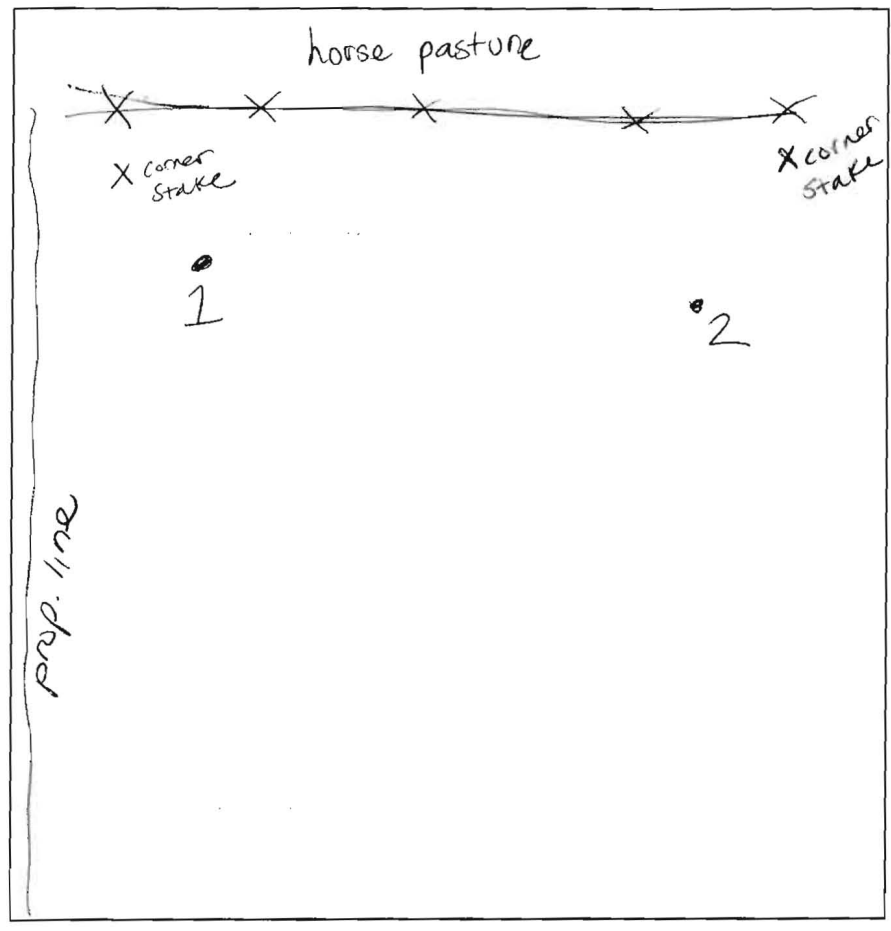
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File

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AP \_\_\_\_\_

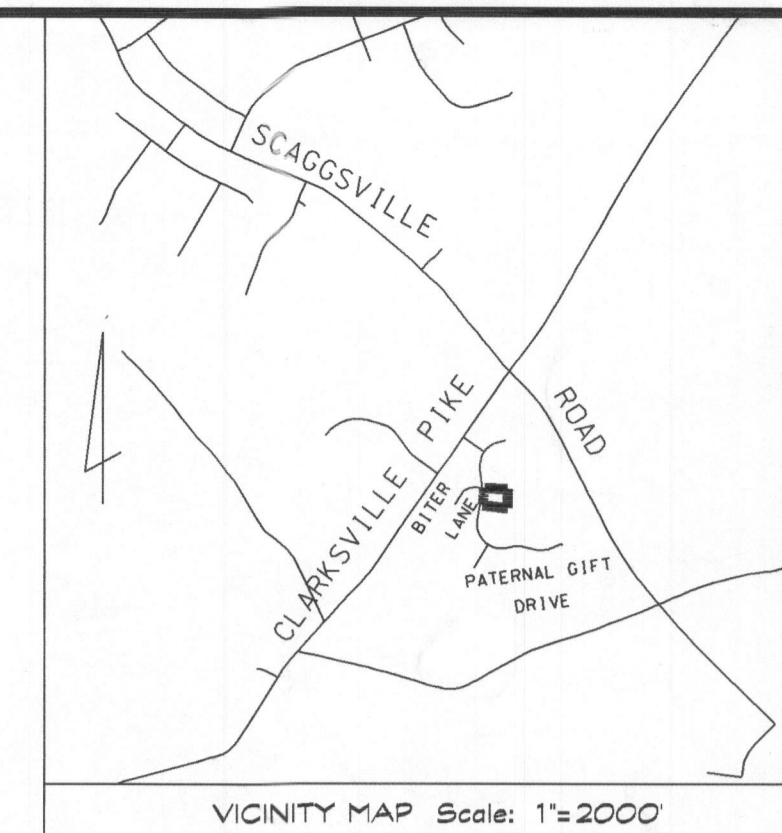
1  
1' bm lsbk  
2' org brn  
sc1 lmsbk  
red brn  
sc1  
lfsbk  
3.5' yellow brn  
sl dense  
6' yellow  
sl saprolite  
↓  
12' beige sl

2  
10' bm &  
lcsbk  
3' bm  
chsc1  
lmsbk  
5' red brn  
sl 15% stones  
2msbk  
6' yellow  
fsl saprolite  
dense  
10' white  
yellow  
v fsl  
saprolite  
white  
13' white  
15w/15% ox

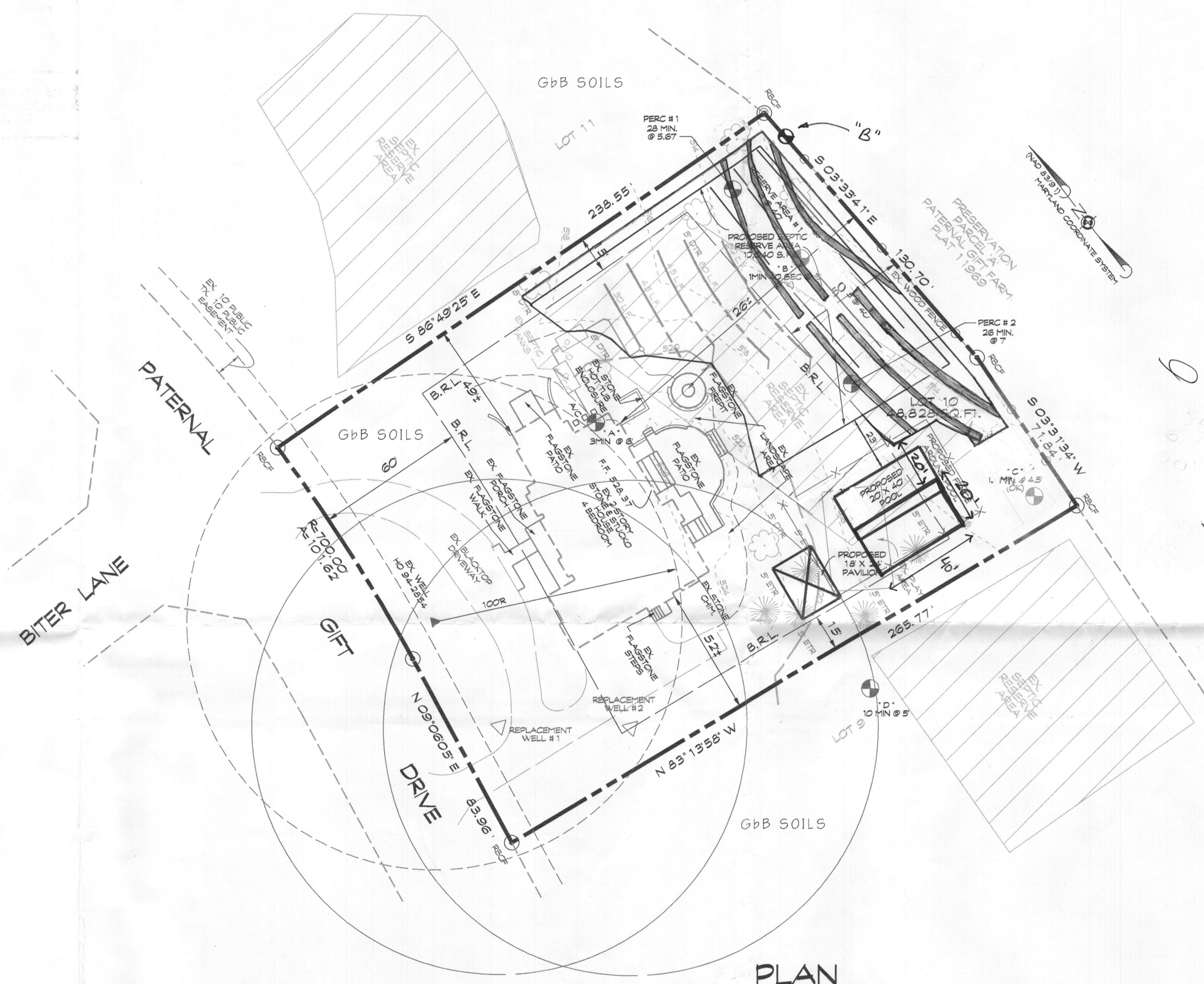


DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
8-7-12	1	5'8" / 12'	9:55	10:10	10:38	28	P
8-7-12	2	5'7" / 13'	10:17	too slow, reshelf			
↓	2	7' / 13'	10:46	11:12	11:38	26	P

REMARKS holes dug per stakes - corners of new area staked.  
 SANITARIAN HS/RR BACKHOE Shorty OTHERS \_\_\_\_\_  
 TEST HOLES USED IN SDA 2 AVG. PERC TIME 27 SQ. FT/BR \_\_\_\_\_  
 TRENCH WIDTH 3' INLET DEPTH 4-5 MAX. BOT DEPTH 8' EFFECTIVE SW 2'



NOTE: PER NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY DATA, VERSION 6 DATED MAY 15, 2008, THIS ENTIRE LOT IS WITHIN THE GbB (GLADSTONE LOAM) SOIL TYPE.



**GENERAL NOTES**

- CURRENT TITLE REFERENCE: OWNER: CHRISTINE DOCKSTADER & BARRY RITTER  
DEED REFERENCE: LIBER 13938, FOLIO 053  
DATE: DECEMBER 16, 2011  
GRANTOR: BETH E. LANCELOTTA
- THE PROPERTY SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT
- ALL WELLS AND SEPTIC SYSTEMS WITHIN 100 FEET OF THE PROPERTY BOUNDARY HAVE BEEN SHOWN.
- TOPOGRAPHY SHOWN HEREON IS BASED ON A FIELD RUN SURVEY BY CLSI, DATED MARCH 22, 2012.
- THIS SURVEY HORIZONTALLY AND VERTICALLY IS TIED TO HOWARD COUNTY CONTROL MONUMENTS, (NAD 83 HORIZONTAL AND NGVD 29 VERTICAL DATUM)  
MONUMENT: 40 EA N 54°79'11.373, E 1324510.058, EL. 503.948  
MONUMENT: 41 N 54°77'8.445, E 1322100.830, EL. 449.874
- B.R.L. - DENOTES 'BUILDING RESTRICTION LINE'
- THE BOUNDARY INFORMATION SHOWN IS FROM THE RECORDED RECORD PLAT NO. 11969
- ZONING: RR DEO

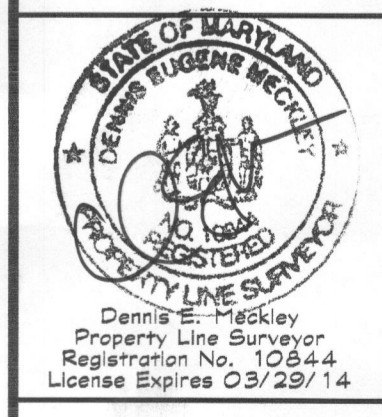
PURPOSE NOTE:  
THE PURPOSE OF THIS PLAN IS TO ADD THE PROPOSED POOL AND A 18' X 22' PAVILION AS SHOWN HEREON, RELOCATING THE SEPTIC RESERVE AREA AS INDICATED.

**OWNER**  
CHRISTINE DOCKSTADER &  
BARRY RITTER  
13521 PATERNAL GIFT DRIVE  
HIGHLAND, MD 20777

**DEVELOPER**  
GYC GROUP  
611 NURSERY ROAD  
WESTMINSTER, MD. 21157  
(410) 840-0800

**PERCOLATION TEST RESULTS, \_\_\_\_\_**

**REVISED PERCOLATION CERTIFICATION PLAN**  
**PATERNAL GIFT FARM**  
LOT 10, #13521 PATERNAL GIFT DRIVE  
RECORDED AS PLAT #11969  
TAX MAP 40, GRID 11, PARCEL 90  
5th ELECTION DISTRICT HOWARD COUNTY, MARYLAND



**CLSI**  
Civil Engineering & Environmental Consultants  
439 East Main Street Westminister, MD 21157-5539  
(410) 848-1790 FAX (410) 848-1791

- LEGEND**
- DENOTES EXISTING SEPTIC RESERVE AREA
  - DENOTES PROPOSED SEPTIC RESERVE AREA
  - DENOTES APPROVED PERC
  - DENOTES EXISTING WELLS
  - DENOTES BRL (BUILDING RESTRICTION LINE)

NOTE:  
ANY CHANGES TO A PRIVATE SEWAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.

THIS AREA DESIGNATES AN EXISTING PRIVATE SEWAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF THE 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 THE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWAGE EASEMENT RECORDATION OF A REVISED SEWAGE EASEMENT SHALL NOT BE NECESSARY.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

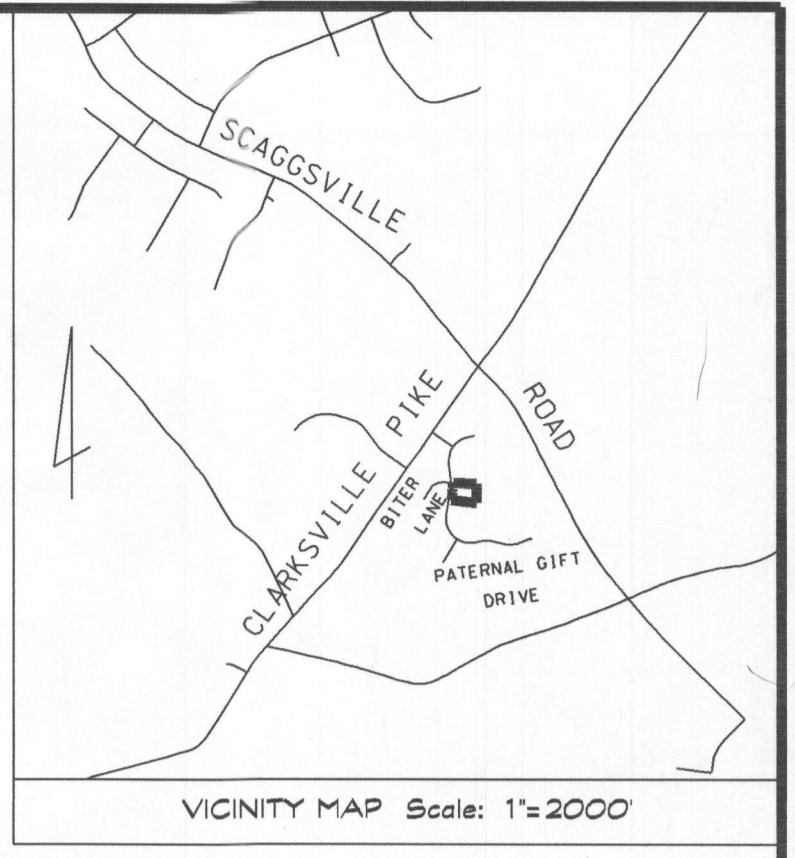
\_\_\_\_\_  
COUNTY HEALTH OFFICER

\_\_\_\_\_  
DATE

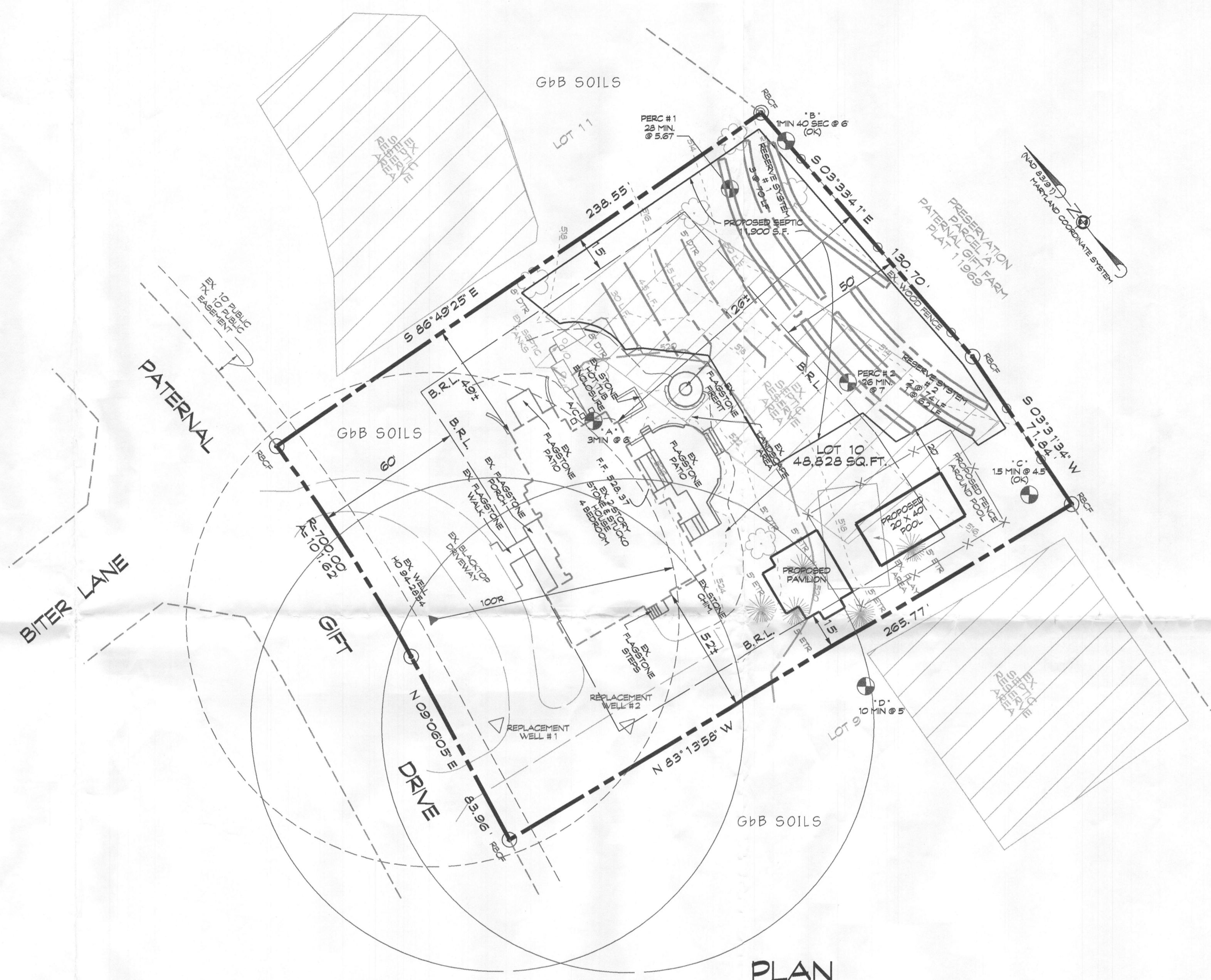
I HEREBY CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.

*Dennis E. Mackley* 8/29/12  
Dennis E. Mackley, Property Line Surveyor  
Registration No. 10844

Date	Revisions	Drawn By: KMB
8-17-12	REV'D. TO ADD REPLACEMENT WELLS AND PERC RESULTS	Designed By:
8-27-12	REV'D. PER HCHO CHTS, DATED 08-20-12	Reviewed By: DEM, LGD
		Date: 04-02-12
		Scale: 1" = 30'
		Job No.: 2012023
		Sheet: 1 OF 1



NOTE: PER NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY DATA, VERSION 8 DATED MAY 15, 2008, THIS ENTIRE LOT IS WITHIN THE GbB (GLADSTONE LOAM) SOIL TYPE.



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**PLAN**  
SCALE: 1"=30'

**LEGEND**

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APPROVED FOR PRIVATE WATER AND PRIVATE SEWAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

*Mauro Rodman*  
COUNTY HEALTH OFFICER  
DATE 11/20/2012

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*Dennis E. Meckley*  
Dennis E. Meckley, Property Line Surveyor  
Registration No. 10844  
10/31/12

**PERCOLATION TEST RESULTS, \_\_\_\_\_**

**REVISED PERCOLATION CERTIFICATION PLAN**  
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Dennis E. Meckley Property Line Surveyor Registration No. 10844 License Expires 03/29/14	439 East Main Street Westminister, MD 21157-5539 (410) 848-1790 FAX (410) 848-1791

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