



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 527321

AGENCY REVIEW: _____

DATE _____

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 4 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) PAUL HOGAN & MARY PIEPRZAK

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 2571 WELLWORTH WAY WEST FRIENDSHIP MD 21794
STREET CITY/TOWN STATE ZIP

APPLICANT BRUCE D BURTON / LDE, INC.

DAYTIME PHONE 410.715.1070 CELL 410.274.6568 FAX 410.715.9540

MAILING ADDRESS 9250 RUMSEY ROAD #106 COLUMBIA MD. 21045
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME FRIENDSHIP MANDR / SECTION 2 LOT NO. 41

PROPERTY ADDRESS 2571 WELLWORTH WAY WEST FRIENDSHIP MD 21794
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 15 GRID 17 PARCEL(S) 235 PROPOSED LOT SIZE 2.581 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.

BRUCE D BURTON
SIGNATURE OF APPLICANT

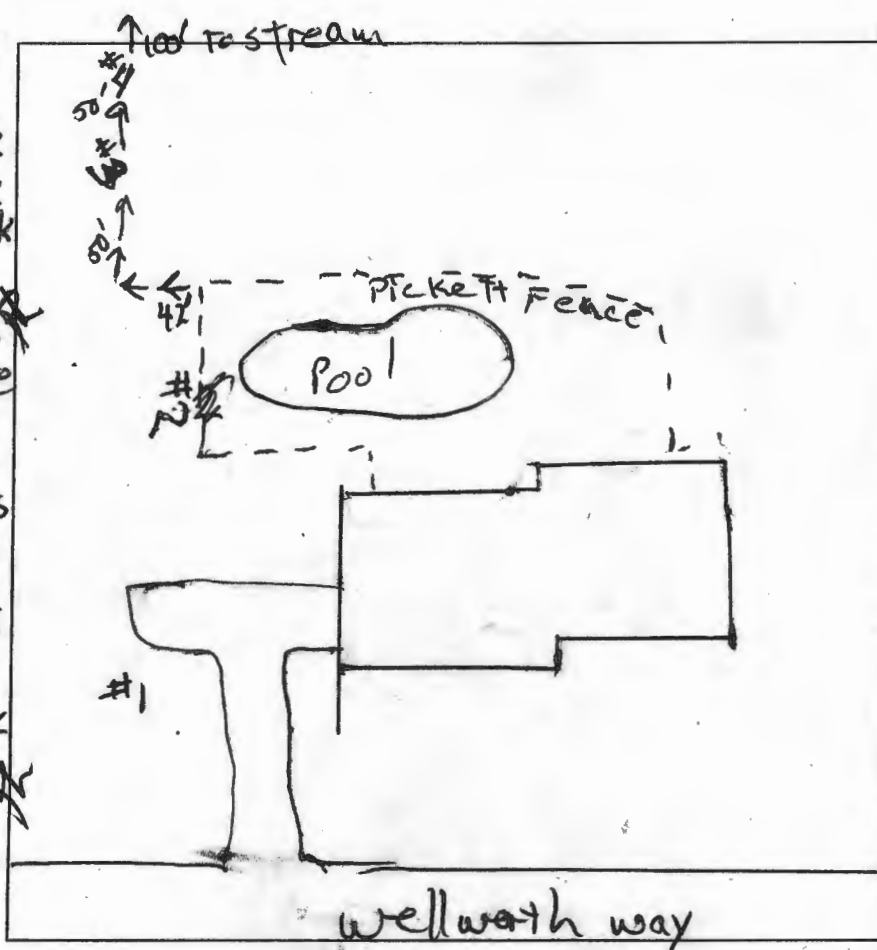
HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
7178 COLUMBIA GATEWAY DRIVE COLUMBIA, MARYLAND 21046 (410) 313-2640 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DHMH

AP 527321

4
0.5' brn sl 3fbbk
1' brn sl 3fbbk
2' brn sl 3fbbk
3' 100% stone
4' 100% stone
5' micaceous
6' ls. saprolite
7' chls
8' lt grey & lt. brn
9' saprolite
10' micaceous
11' flaggy ls
12' dk. grey flags
13' 40% Cr moist

↑ 100' to stream

50' 9' 50' 7'



3
0.5' brn sl 3fbbk
1' brn sl 3fbbk
2' brn sl 3fbbk
3' brn sl 3fbbk
4' brn sl 3fbbk
5' brn sl 3fbbk
6' brn sl 3fbbk
7' brn sl 3fbbk
8' brn sl 3fbbk
9' brn sl 3fbbk
10' brn sl 3fbbk
11' brn sl 3fbbk
12' brn sl 3fbbk

2
0.5' brn sl 3fbbk
1' brn sl 3fbbk
2' brn sl 3fbbk
3' red brn
4' lt grey ls
5' saprolite
6' lt. grey brn
7' chls
8' saprolite
9' lt. brn
10' vchls
11' 30% lt. grey
12' mica schist

1
1' brn sl
2' lt brn
3' fsl
4' mica
5' channely
6' 20-30%
7' ↓
8' 30%
9' flags
10' brn sl

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/12/07	4	4' 9"	Ø	1:10	3:10	2	P
9/12/07	3	3' 2"	Ø	5	16:20	11:20	P
	2	4' 5"	0	0:45	1:45	repour	
	2	4' 5"	2	3.5	5.5	2	P
9/12/07	1	10'	visual				

REMARKS #3, 3' deep to 8' 3-ft. thick vein grey mica schist & quartz, strongly cemented

SANITARIAN RB / HS BACKHOE OTHERS Howard / Bruce
TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR
TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW

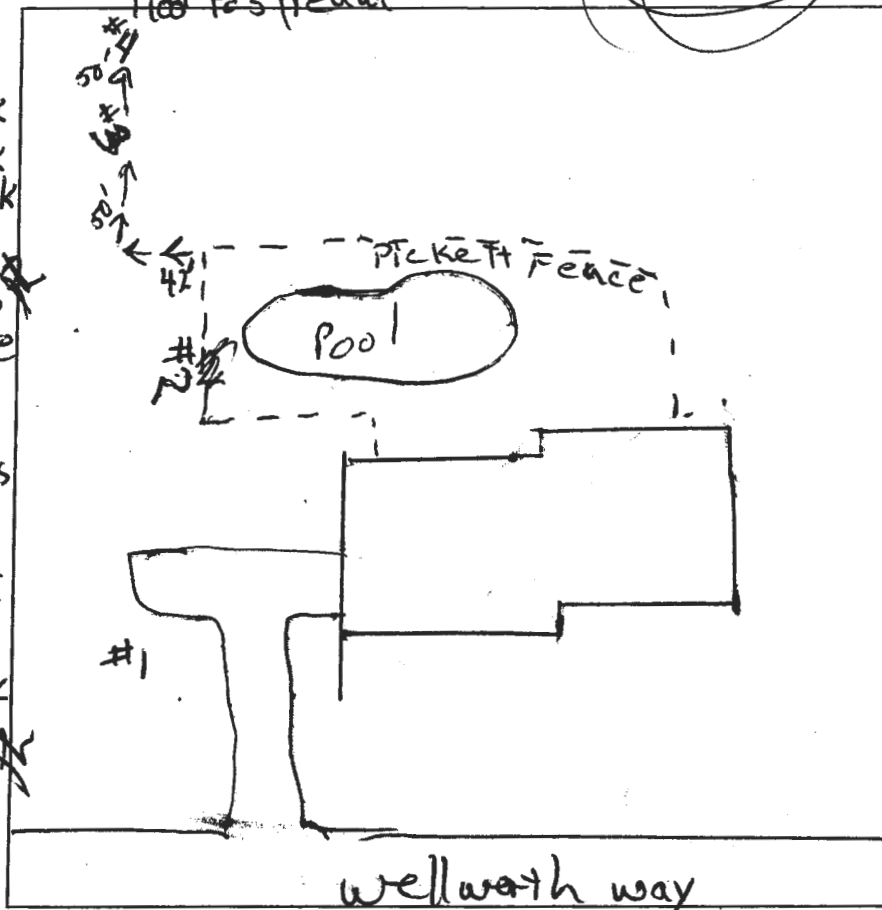
WP 527321

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3

0.5' brn sl 3f sbk
 1' brn sl 3f sbk
 2' brn sl 3f sbk
 3' 100% stone
 4' 100% stone
 5' micaceous
 6' lt. grey & h. brn
 7' saprolite
 8' chills
 9' dk. grey flags
 10' 40% Cr moist
 11.5'

Pool to stream
 50' 4' 1' 50' 7' 4' 1'



0.5' brn sl 3f sbk
 1' brn sl 3f sbk
 2' brn sl 3f sbk
 3' 100% stone
 4' 100% stone
 5' micaceous
 6' lt. grey & h. brn
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0.5' brn sl 3f sbk
 1' brn sl 3f sbk
 2' brn sl 3f sbk
 3' red brn
 4' lt. grey & h. brn
 5' saprolite
 6' h. grey brn
 7' chills
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REMARKS #3 3' deep to 8' 3-ft. thick vein grey mica schist & quartz, strongly cemented
 SANITARIAN R.B. / HS BACKHOE OTHERS Howard / Bruce
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

copy

LDEINC.

Planning • Engineering • Surveying

Ms. Sara Fegel, R.S.
Bureau of Environmental Health
Howard County Health Department
71788 Columbia Gateway
Columbia, MD 21046

July 24, 2007

Re: Hogan / Pieprzak Residence
#2571 Wellworth Way
Building Addition

Dear Ms. Fegel:

Please find the following for your review and approval:

1. Two (2) Revised Percolation Certification Plans.
2. One (1) set of Architecturals.

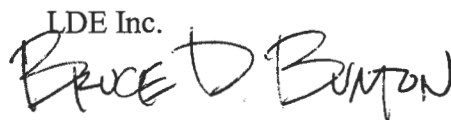
The owners of the property propose construction of a 350 square foot addition to their basement / first floor, a 448 square foot second floor addition, a 260 square foot open wood deck and interior floor plan renovations. The expanded residence will not add any additional bedrooms to its present 4 bedroom configuration.

The principal reason for this review provides approval of the reconfigured sewage disposal easement. The revised sewage disposal easement removes portions of the existing easement within the 20 foot structure setback from a previously constructed pool, within the 10 foot setback from a loose joint stone wall and within the 100 foot well radius. The reconfigured easement comprises 10,960 square feet, exceeding the required 10,000 square foot minimum.

Since the number of bedrooms within the residence has not increased and the reconfigured easement exceeds the 10,000 square foot minimum, we believe the revised proposal can be approved as submitted.

Should you have any questions, please contact our office.

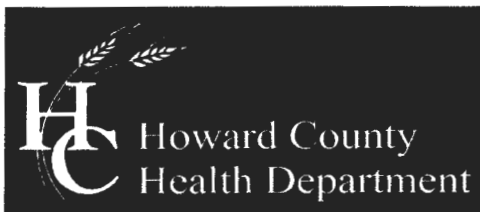
Very truly yours,

LDE Inc.

Bruce D. Burton, PE
Vice President

cc: Saslow Homes

F/07-008/Documents/Fegel Letter.doc

*Ben
at Saslow Homes
410-781-4844*



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

September 12th, 2007

Paul Hogan and Mary Pieprzak
2571 Wellworth Way
West Friendship, MD 21794

RE: PERCOLATION TEST RESULTS, A-527321

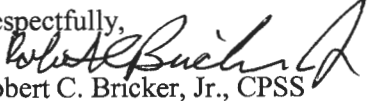
Dear Mr. Hogan & Ms. Pieprzak,

Percolation testing was conducted on the above referenced property on September 12, 2007. Field data collected are shown on the Percolation Test Worksheet enclosed with this letter. Acceptable ranges for recommended Inlet and Trench Bottom depths, and Usable Sidewall have been provided, and may be confirmed at time that a system upgrade or replacement is deemed necessary. Values for these parameters are based on observed soil properties and characteristics at respective test locations as well as the particular soils materials tested. Results indicate soil conditions are satisfactory for onsite wastewater disposal.

All four test holes passed and were dug per plan. The onsite engineer, Bruce Burton, estimated the area represented by these tests to be at least 10,000 square feet (therefore, holes numbered 5 and 6 were not tested). The holes varied in depth from the top to the bottom of the easement. Testing of hole number 4 determined the seasonal water table to begin at approximately 9 feet by the presence of high moisture content and low chroma colors in the soil. An observation test hole (#1) was dug adjacent to the approximate location of the existing drywell. Soil conditions at test location 1 are considered satisfactory to 10' in depth. The subsoils described at the test locations are primarily micaceous, channery, fine loamy sands with moderate rock content. A 3-foot wide vein of strongly cemented mica schist and quartz was encountered at location 3. The vein dips 60% from horizontal in a westerly direction (290 degrees). Test hole 3 was completed to 11 feet depth immediately downslope of this indurate structure. The proposed septic easement which lies along the north property boundary includes areas that are adjacent to slopes greater than 25%. This issue has been addressed by approval of a Request for Variance (submitted in August).

The existing septic system appears to be functioning properly at this time and the well appears to meet code requirements. If you have any questions regarding this evaluation or requirements for the Percolation Certification Plan, please contact me by calling (410) 313-2691.

Respectfully,


Robert C. Bricker, Jr., CPSS
Well and Septic Program
Development Coordination Section

CC: File



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
(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

August 2, 2007

Paul F. Hogan Jr. and Mary A. Pieprzak
2571 Wellworth Way
West Friendship, MD 21794-9503

RE: Revised Percolation Certification Plan 2571 Wellworth Way, PC26025

Dear Paul Hogan and Mary Pieprzak,

On Friday, July 27, I conducted a site evaluation of your property in relation to a recent submittal on your behalf by LDE, Inc. As a result of findings during that evaluation, the Revised Percolation Certification Plan cannot be approved as it depicts inaccurately the environmental conditions of the area defined as your septic easement. Of primary concern are the slopes exceeding 25 percent on which a septic system cannot be located.

The drawing presented by LDE depicts the topography of the area east of your house to be consistently even slopes, I believe as it was when the easement area was originally defined. Apparently this area has been altered, and therefore compromised, leaving a relatively deep swale with slopes easily in excess of 25 percent.

The area that a septic system cannot be installed is not limited to the area of 25 percent slopes, but there is a regulated setback distance of 25 feet from the 25 percent slopes on which a septic system may not be located.

As a result of this issue, we are presenting an alternative should you wish to move forward with a proposal to revise your Percolation Certification Plan. I am attaching with this letter a photocopy of a portion of the plan presented by LDE. I have indicated the areas where we propose to conduct tests in order to prove suitable soil conditions for wastewater treatment.

The highest priority areas of your property are represented by proposed test locations 'A' and 'B', those areas that are not 1) within the 100 foot setback of a well, and 2) that are not within the regulated setback distance from your existing dwelling. This includes the area under a portion of your driveway.

To make up the 10,000 square foot area that is required for each lot created after March 1972, we will consider a 40-foot wide strip parallel with your north property line, the lower reaches of that area represented by 'C'. Because this area is adjacent to 25 percent slopes we can only consider it after your submittal of a Request for Variance with your signature.

Lastly, should any of these areas prove unsatisfactory, there is a small area southeast of the pool that may be tested, represented by 'D' (and outlined). This area also is adjacent to 25 percent slopes.

To proceed with the Percolation Certification Plan Revision process please submit your Request for Variance (from required 25-foot setback to 25% slope) letter to Michael

J. Davis, Bureau of Environmental Health. Then you or your consultant may contact me to schedule the proposed percolation tests.

At the time of site evaluation, I conducted a visual inspection of your septic tank and the vicinity of the existing dry well. Results were inconclusive. Therefore the characteristics of the soil adjacent to the dry well will be observed at time of percolation testing.

You may contact me if you have questions about the content of this report. My phone number is 410-313-2691.

Respectfully,

A handwritten signature in cursive script, appearing to read "Robert Bricker".

Robert Bricker, CPSS
Environmental Sanitarian
Well and Septic Program

Enclosure

Copy: Bruce Burton
file

August 6, 2007

Mr. Michael Davis
Bureau of Environmental Health
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, MD 21046


Dear Mr. Davis:


We are currently making preparations to build an addition on our property at 2571 Wellworth Way, West Friendship, MD 21794. As part of the permit application for that addition, we submitted a perc plat which recognizes some deficiencies in our current system. Pursuant to a letter received from Mr. Bricker of your office we are requesting a variance to the required 25 ft setback from 25% slopes which exist on our property.

I am enclosing a copy of the letter we received from Mr. Bricker and ask that should you have any questions regarding this request you direct them to our builder, Saslow Homes, Inc. (410-781-4844), or the engineer, Bruce Burton at LDE (410-715-1070).

Thank you for your attention to this matter.

Sincerely,


Paul Hogan


Mary Pieprzak

8/16/07
Approved
