



Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP A518992

AGENCY REVIEW: _____

DATE 6/31/2003

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) JACKSON FURR

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 9160 Hitching Post Ln Laurel Md 20723
STREET CITY/TOWN STATE ZIP

APPLICANT Cornerstone Homes

DAYTIME PHONE 410/792/2565 CELL _____ FAX 410/792/2567

MAILING ADDRESS 9691 Norfolk Ave Laurel Md 20723
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS West Watersville Road Mount Airy
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 14 PARCEL(S) 55 PROPOSED LOT SIZE 2.25

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: _____

SIGNATURE OF APPLICANT

HOWARD COUNTY HEALTH DEPARTMENT, BUREAU OF ENVIRONMENTAL HEALTH, WELL AND SEPTIC PROGRAM
3525-H ELLICOTT MILLS DRIVE, ELLICOTT CITY, MARYLAND 21043-4544 (410) 313-1771 FAX (410) 313-2648
TDD (410) 313-2323 TOLL FREE 1-877-4MD-DEVIH

HD-216 (2/03)

PLEASE SUBMIT ORIGINALS ONLY (BY MAIL OR IN PERSON)

A/P
B2

6" Brown L

Orange brown SiL w/ 10-15% coarse frags

3 orange brown SiL w/ 25-30% channery + flaggy mica schist frags

6 orange-brown SiL w/ 55-60% channery + flaggy mica schist frags

9 1/2" hard bottom

B4

6" Brown L

Orange brown SiL

2' Orange brown SiL w/ 35-40% channery mica schist frags

4 1/2" orange brown SiL w/ 55-60% channery + flaggy mica schist frags

8 1/2" hard bottom

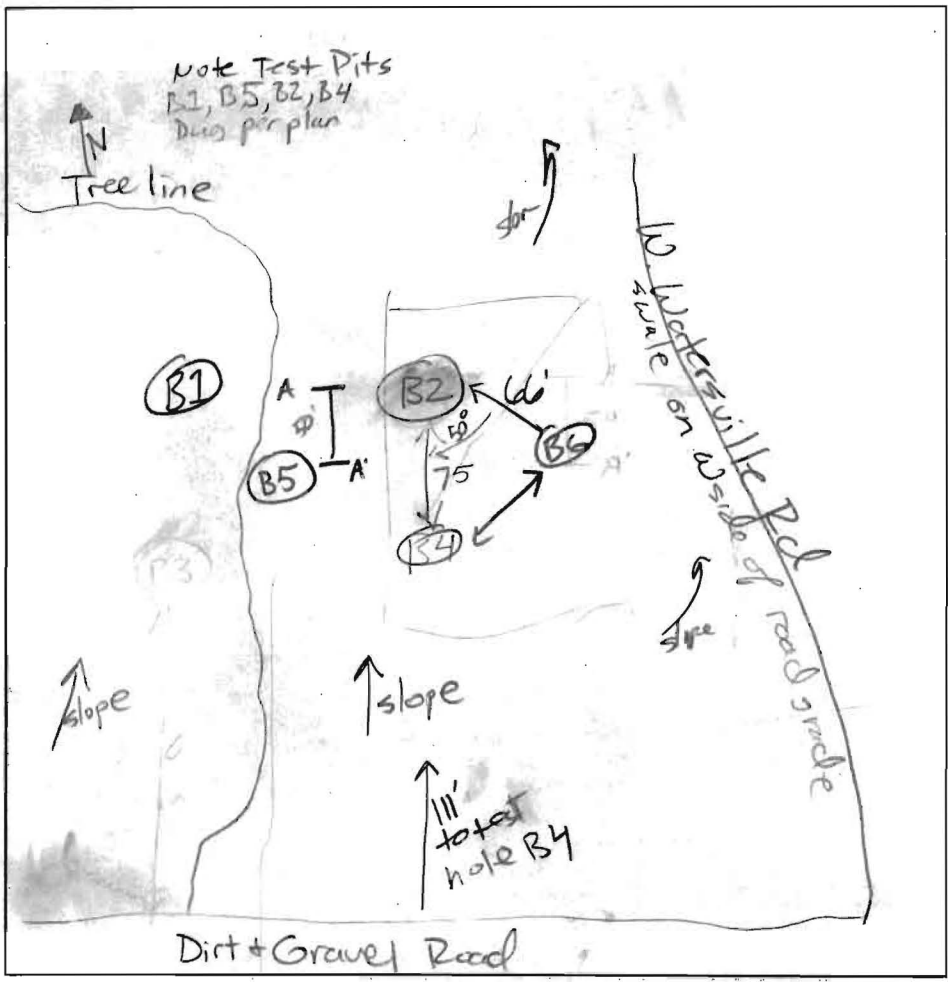
(B5)

6" Brown L

Brown SiCL w/ 15-20% channery frags

3 1/2" orange brown SiCL w/ 50-60% channery + flaggy mica schist frags + hard saprolite

8 1/2" hard bottom



B2

6" Brown L

1 1/2" Orange brown SiCL w/ 40-50% channery mica schist frags

7 orange brown SiCL w/ 50-60% channery + flaggy mica schist frags

10

B6

6" Brown L

Orange brown SiL w/ 25-30% channery frags

5 1/2" orange brown SiL w/ 15-20% channery frags

10 hard bottom

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
7/16/03	B2	4 9 1/2	9:50	10:01	10:17	16	P
	B2	7 1/2	10:33:42	10:33:53	10:34:00	7sec	F
	B2	1 1/2	11:00	11:16	11:50	34	F
	B4	1 1/2	11:28	11:46	12:20	34	F
	B4	5	11:38	11:39	11:42	3	H
	B2	6 10	1:15:15	1:17:00	1:18:45	1:45	F
	B2	2 1/2 10	1:19	1:50	31 min Psack	too slow	F
	B6	2 1/2 10	1:57	2:05	2:14	9	P
	B6	6 10	2:01:00	2:02:00	2:05	3	P

REMARKS slope from A-A' = 13.8%; B5 - visual hole; B1 possibly off of lot

SANITARIAN J. Boris BACKHOE Fyock OTHERS

TEST HOLES USED IN SDA AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



3525 H Ellicott Mills Drive, Ellicott City, MD 21043
(410) 313-2640 Fax (410) 313-2648
TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

Penny E. Borenstein, M.D., M.P.H., Health Officer

January 28, 2004

Mr. Damon Poquette
5824 Wyndham Circle, #303
Columbia, MD 21044

RE: **Percolation Test Results** A520001
Proposed Use: Existing Lot of Record
Property ID: Jackson Furr Property
West Watersville Road
Tax Map: 2 Parcel: 55

Dear Mr. Poquette:

Percolation testing was conducted on the above referenced property on January 20, 2004. A copy of the test results is enclosed for your records. The test holes evaluated were found to be unsatisfactory. The soil evaluation determined that there was insufficient permeable material as well as insufficient depth to the fractured rock layers to establish a 4' treatment zone.

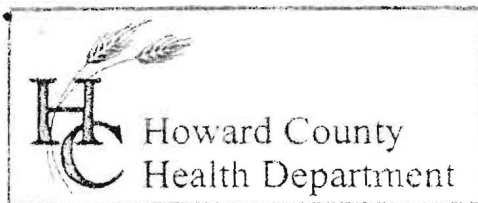
Should you wish to further pursue an attempt to establish a sewage disposal area for the existing lot of record, it shall be necessary for a licensed surveyor to submit to this office a percolation test plan. This plan should show the actual locations and elevations of all excavated test holes, all relevant landscape and topographic features, and the existing areas of the disturbed soils such as old access roadways. Also, this plan should include what you present to be your revised proposal.

This plan should be submitted within sixty (60) days to allow field verification if necessary. If you have any questions regarding this matter, please contact me at the address below or by calling (410) 313-1771. Thank you in advance for your time and cooperation.

Respectfully,

John A. Boris, Jr., R.S.
Well and Septic Program
Development Coordination Section

JAB
Enclosure
cc: file



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Penny E. Borenstein, M.D., M.P.H., Health Officer

August 20, 2003

Cornerstone Homes
Att: Mr. John Conners
9691 Norfolk Avenue
Laurel, MD 20723

RE: **Percolation Test Results** A518992
Proposed Use: Existing Lot of Record
Property ID: Jackson Furr Property
West Watersville Road
Tax Map: 2 Parcel: 55

Dear Mr. Conners:

Percolation testing was conducted on the above referenced property on July 16, 2003. A copy of the test results is enclosed for your records. The test holes evaluated were found to be unsatisfactory. The soil evaluation determined that there was insufficient depth to the fractured rock layers to establish a 4' treatment zone. Other limiting factors, not mentioned here, also contributed to the type of system options that might have been used.

Should you wish to further pursue an attempt to establish a sewage disposal area for the existing lot of record, it shall be necessary for a licensed surveyor to submit to this office a percolation test plan. This plan should show the actual locations and elevations of all excavated test holes, all relevant landscape and topographic features, and the existing areas of the disturbed soils such as old access roadways. Also, this plan should include what you present to be your revised proposal.

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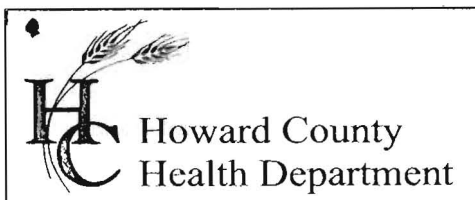
NOTE TO FILE

August 1, 2003

Perc testing conducted on Parcel 55, West Watersville Road on July 16, 2003 yielded unsatisfactory results for the following reasons:

- A 4' buffer to the limiting layers, in this case rock fragments > 50%, that had percolation test rates less than 2 mpi. This regulation holds true for I & A designs as well
- Perc rates in the upper 4' were > 30 mpi, but were < 60 mpi. This means that if a 4' buffer to the treatment zone was found then the test site may possibly have been able to support an alternative design.
- The contour on the site, shot by an eye level, showed a 13.8% slope existing throughout the proposed SDA. The maximum slope allowable for mounds of any kind is 12%.
- The property boundary at the time of the perc test was not clearly established so to delineate any possible future site, a property boundary survey will need to be done.
- Pre-testing in the area near the gravel roadside of the parcel by Cornerstone Homes and Fyock Septic Service indicated that the top of the site yielded significantly more rock than what was observed during the testing on July 16, 2003. The Health Department was not on-site to verify the accuracy of the statements.

In conclusion, the test results will not support a design under the current standards that will effectively treat sewage effluent. Until current design criteria changes, this lot should not be considered buildable without more extensive testing.



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Howard County
Health Department

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) 1/20/04 TEST TIME 9:00 A/P 520001

AGENCY REVIEW: _____ DATE 12/19/2003

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:

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PROPERTY OWNER(S) JACKSON FURR

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 9160 HITCHING POST LANE LAUREL MD 20723
STREET CITY/TOWN STATE ZIP

APPLICANT DAMON POQUETTE

DAYTIME PHONE 410 740 9000 CELL 443 336 7600 FAX 410 740 9284

MAILING ADDRESS 5824 WYNDHAM CIR # 303 COLUMBIA MD 21044
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME _____ LOT NO. _____

PROPERTY ADDRESS WEST WATERSVIEW RD MOUNT AIRY
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 2 GRID 14 PARCEL(S) 55 PROPOSED LOT SIZE _____

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.

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[Signature]
SIGNATURE OF APPLICANT

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1 Brown
rooted
SCL
Orange
brown
SCL
w/ < 5%
cherty chert
frag

3 Orange brown
SCL w/ 5-10%
cherty chert
frag

4 1/2 Orange brown
SCL w/ 30-35%
cherty chert
frag

9 1/2 becoming more
rockier

4 Brown
rooted
SCL

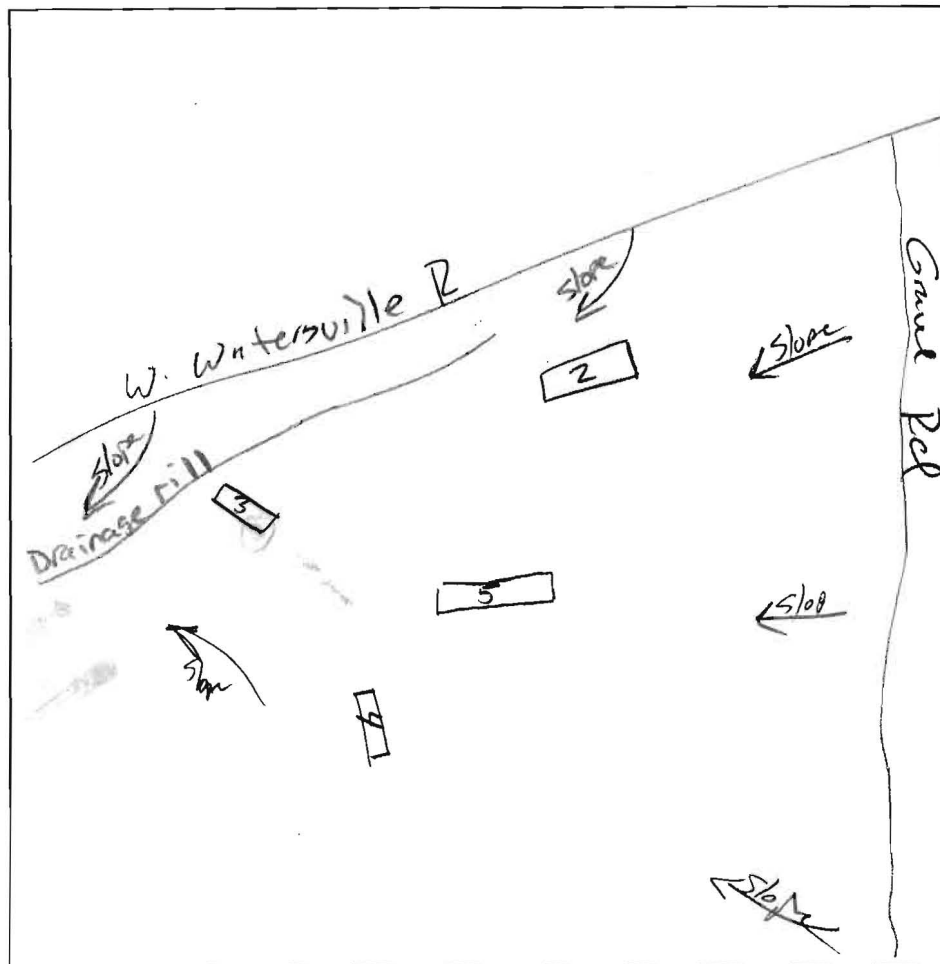
1 Orange brown
SCL
w/ 5-10%
cherty chert
frag

4 1/2 Orange
brown
SCL
w/ 35-40%
cherty
chert
frag

5 Brown
rooted
SCL

1 1/2 Orange
brown
SCL w/
25-30%
cherty frag

5 Orange
brown
SCL
w/ 35-45%
cherty & chert
frag



2 Brown
SCL

1 heavy
orange
brown
SCL
w/ 10-15%
coarse frag

6 heavy
orange brown
SCL
w/ 50-60%
coarse frag

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2nd INCH	P/F/H
1/20/04	3	7 1/2 9 1/2	10:51	10:52:30	10:56:00	3:30	H
	3	3 1/2 9 1/2	11:08	3/4" 11:40			F
	4	5 1/2 10	12:40	1:01	1:28	27	P
	5	3 1/2	1:32	2:16	test stopped		F
	4	8 10	1:42:45	1:43:40	too fast		F
	2	10V	high rock content				F

REMARKS Holes dug per plan; ins. perm. material

SANITARIAN J. Borja A. Hiett

BACKHOE Justin

OTHERS D. Paquette

TEST HOLES USED IN SDA

AVG. PERC TIME

SQ. FT/BR

TRENCH WIDTH

INLET DEPTH

MAX. BOT DEPTH

EFFECTIVE SW