



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

AP 531703

AGENCY REVIEW: _____

DATE 1-25-12

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 3 BR 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) ANNIEZ, HAZEL P.

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____

STREET CITY/TOWN STATE ZIP

APPLICANT VINCENT R. COLEMANNE

DAYTIME PHONE (410) 442-8068 CELL (410) 984-8164 FAX (410) 442-3085

MAILING ADDRESS 815 WINDAVER DR. SYKESVILLE MD 21784

STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME 17415 FREDERICK RD LOT NO. 1

PROPERTY ADDRESS MT. AIRY MD 21771-3627

STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 0007 GRID 0001 PARCEL(S) 0349 PROPOSED LOT SIZE 3.0

AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPT-

ABLE 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

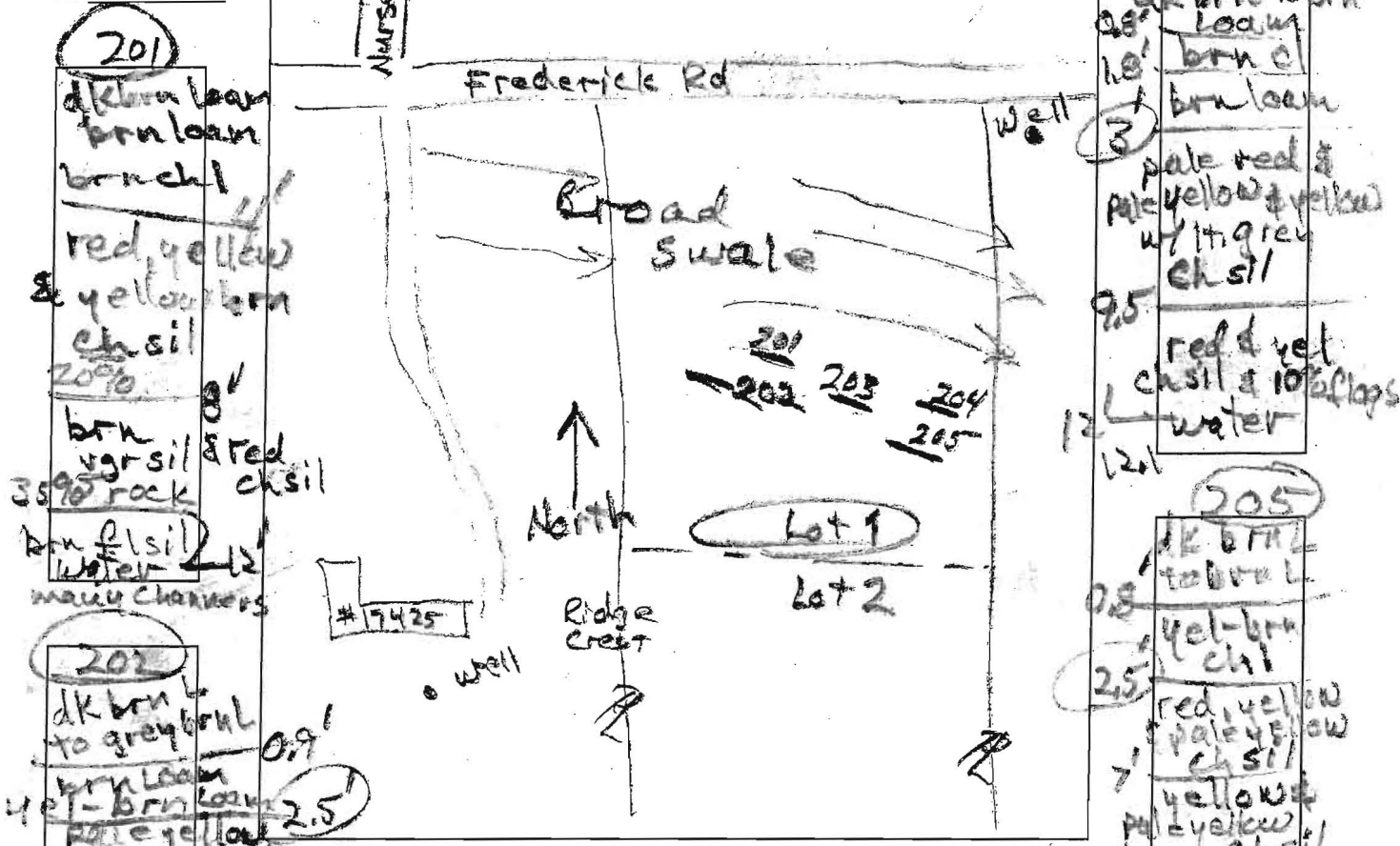
"MISS UTILITY" REQUIREMENTS. APPROVAL IS BASED UPON SATISFACTORY REVIEW OF A PERC CERTIFICATION PLAN.

TEST RESULTS WILL BE MAILED TO APPLICANT. Vincent R. Colemanne

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

A/P



201
dk brn lean
brn loam
branch
red yellow
& yellow brn
ch sil
20%
brn
vgr sil & red
35% rock ch sil
brn sil
water
main channels

202
dk brn to grey brn
brn loam
yel-brn loam
pale yellow
w/ white sil
red ch sil
& pale yellow
red white
H grey & pale yel
ch sil

204
dk brn to brn
loam
brn c
brn loam
pale red &
pale yellow & yellow
w/ lt grey
ch sil
red & yel
ch sil & 10% flags
water

205
dk brn to brn
loam
yel-brn
ch sil
red yellow
pale yellow
ch sil
yellow &
pale yellow
ch sil
yellow yel-red
pale yellow
& lt grey sil
2% cpl

203
dk brn loam
brn loam
insible
yellow red
pale yellow
ch sil
brn, pale red
& pale yellow
10% flags
red & yellow
ch sil
2% cpl

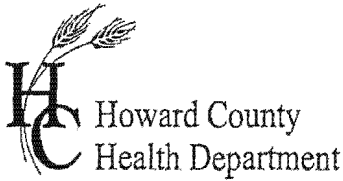
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/8/12	204	12'	Visual	3'	708'	Sidewalk 0.5 gal/hr	2 P
2/8/12	205	9.8' 13'	1:00	1:03	1:08	5	P
2/8/12	202	5.1' 13'	1:24	1:30	1:44	14	P
2/8/12	201	5.5' 13'	1:46	1:50	1:59	7	P
2/8/12	203	5.2' 13.5'	2:01	2:03	2:08	5	P

REMARKS Trench Bottom limited to 8 feet.

SANITARIAN DB BACKHOE Chuck Epp OTHERS Carly Cumberland

TEST HOLES USED IN SDA 201-205 AVG. PERC TIME Var SQ. FT/BR 187.5

TRENCH WIDTH 2 INLET DEPTH 2 MAX. BOT DEPTH 8 EFFECTIVE SW Var.



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

APR 5360714

AGENCY REVIEW: _____

DATE 1/31/2012

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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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 _____ 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) ANN 12, HAZEL P.

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS _____ STREET _____ CITY/TOWN _____ STATE _____ ZIP _____

APPLICANT VINCENT R. COLEMANNE

DAYTIME PHONE (410) 442-8068 CELL (410) 984-8164 FAX (410) 442-2085

MAILING ADDRESS 815 WINDRIVER DRIVE SYKESTOWN MD 21784 STREET _____ CITY/TOWN _____ STATE _____ ZIP _____

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

PROPERTY LOCATION SUBDIVISION/PROPERTY NAME 17415 FREDERICK RD LOT NO. 2

PROPERTY ADDRESS MT. AIRY MD 2177-3627 STREET _____ TOWN/POST OFFICE _____

TAX MAP PAGE(S) 0007 GRID 0001 PARCEL(S) 0349 PROPOSED LOT SIZE 3.0

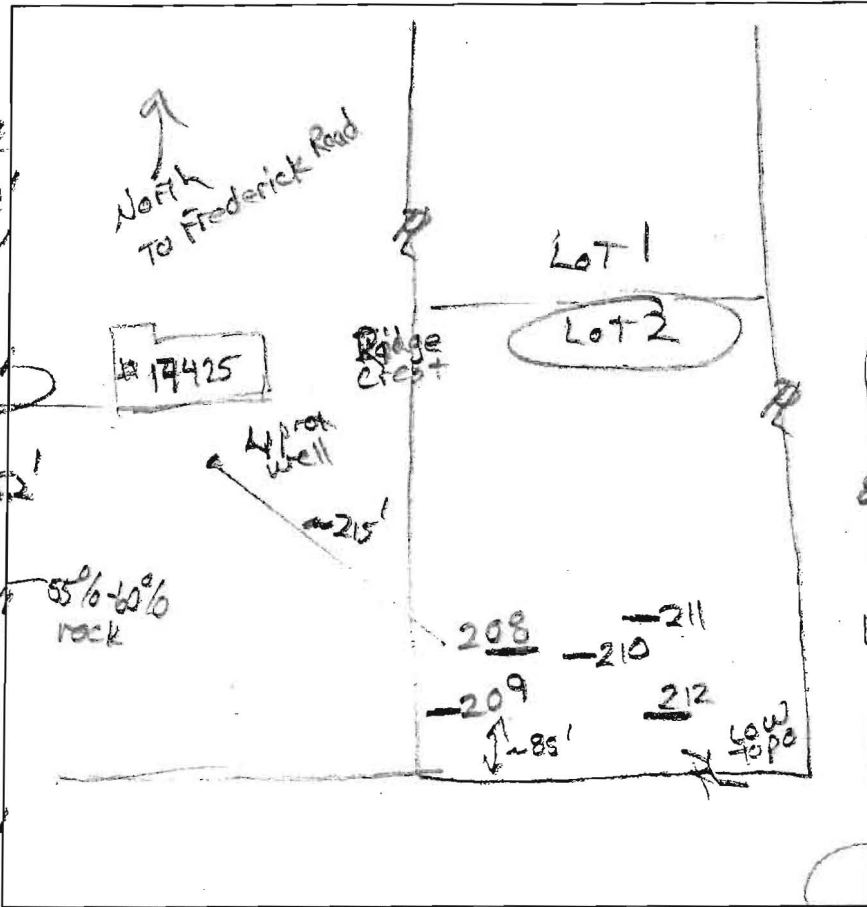
AS APPLICANT, I UNDERSTAND THE FOLLOWING: THE SYSTEM INSTALLED SUBSEQUENT TO THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC SEWERAGE IS AVAILABLE. THIS APPLICATION IS COMPLETE WHEN ALL APPLICABLE FEES AND A SUITABLE SITE PLAN HAVE BEEN RECEIVED. I ACCEPT THE RESPONSIBILITY FOR COMPLIANCE WITH ALL M.O.S.H.A.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

TEST RESULTS WILL BE MAILED TO APPLICANT.

Vincent R. Colemanne
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



212

dk brn loam 2' 9" - 2' 5" 0.8

brn cl 2' 4" 1.4

brn grc 1' 3" 3.3

red loam (variegated) 0' 4" 4.1

red pale yel. & white sil 0' 2" 5.2

brn ch sil 0' 1" 6.1

brn fl sil 0' 1" 7.1

brn vel sil 1' 1" 8.1

209

dk brn L 2' 0" 0.4

brn cl 2' 8" 1.3

vel-brn L 2' 4" 2.4

brn yel sil 3' 0" 3.0

brn loam 2' 6" 5.0

brn-yel-ch sil 1' 1" 6.1

red yel ch sil 1' 2.5

yel-brn fl sil 12.5

208

dk brn L 2' 0" 0.2

brn L 2' 0" 0.8

brn cl 2' 1" 2.1

brn L 1' 5" 3.1

brn & yel-brn ch sil 6' 6.1

red & pale yel ch sil 2' 2.1

yellow, white & red sil 2.5

211

dk brn to brn loam 10' 10.0

brn cl to brn loam 2.5

yellow & red sil 6'

red, pale brn & yellow ch sil 9'

brn & yel-brn fl sil 11'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/8/12	212	4' 9"	9:57	10:14	10:44	30'	reshel
2/8/12	209	4.8' / 12.5'	10:09	10:20	10:49	29	P
2/8/12	208	4.3' / 12.5'	10:48	10:56	11:15	19	P
2/8/12	212	5' 9"	11:30	11:36	11:44	8	P
2/8/12	211	11'	Visual	Sidewell OK 2.5' 0.8 gpd / 1/2" to 1"			P
2/8/12	210	5.4' / 12.5'	11:37	11:41	11:45	4	P

210

dk brn loam 0.5'

brn cl 2' 5" 2.5

to brn loam 2' 5" 5.0

red, yellow & pale yellow sil 8.5'

brn cl sil 10'

30% sil 10'

pale red, white & pale yel sil 12.3'

black vgr sil legs 5' to 8'

11'

dk brn & brn vel sil 12.5'

55% to 60% rock frag

REMARKS Trench bottom limited to 5 feet in East portion

SANITARIAN RB BACKHOE Chuck Zapp OTHERS Cary Cumberland

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

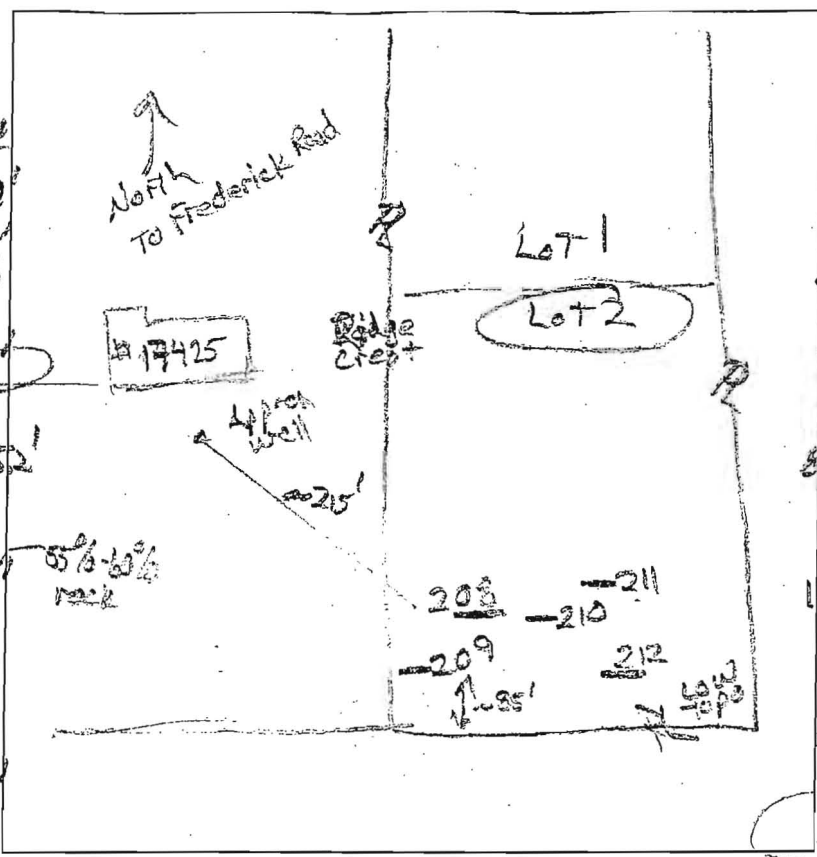
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

AP

212
 dk brn loam 2' 2" 2' 8" 0.8
 brn cl 2' 2" 2' 4" 0.4
 brn grc 1' 2" 2' 3" 0.3
 red loam (variegated) 0' 2" 2' 1" 0.1
 red pale yellow & white sil 0' 2" 2' 1" 0.1
 brn ch sil 0' 1" 2' 0" 0.1
 buff sil 0' 1" 2' 0" 0.1
 brn vls sil 0' 1" 2' 0" 0.1

208
 dk brn L 2' 2" 2' 2" 0.2
 brn L 2' 2" 2' 0" 0.8
 brn cl 2' 1" 2' 1" 0.1
 brn L 1' 2" 2' 1" 0.1
 brn & yellow ch sil 0' 6" 2' 0" 0.6
 red & pale yellow ch sil 0' 6" 2' 0" 0.6
 yellow & white sil 0' 6" 2' 0" 0.6

210
 dk brn loam 0' 8" 2' 0" 0.8
 brn cl 2' 2" 2' 0" 0.2
 to brn loam 2' 2" 2' 0" 0.2
 red, yellow & pale yellow sil 2' 2" 2' 0" 0.2
 brn cl sil 0' 8" 2' 0" 0.8
 pale red white sil 0' 10" 2' 0" 1.0
 pale yellow sil 0' 12.3" 2' 0" 12.3



209
 dk brn L 2' 2" 2' 2" 0.2
 brn cl 2' 2" 2' 0" 0.2
 yellow brn L 2' 2" 2' 0" 0.2
 brn yellow sil 2' 2" 2' 0" 0.2
 & brn loam 2' 2" 2' 0" 0.2
 yellow sil 2' 2" 2' 0" 0.2
 brn yellow ch sil 2' 2" 2' 0" 0.2
 red yellow ch sil 2' 2" 2' 0" 0.2
 yellow brn vls sil 2' 2" 2' 0" 0.2
 211
 dk brn L 2' 2" 2' 2" 0.2
 to brn loam 2' 2" 2' 0" 0.2
 brn cl 2' 2" 2' 0" 0.2
 to brn loam 2' 2" 2' 0" 0.2
 yellow & red sil 2' 2" 2' 0" 0.2
 red, pale brn & yellow ch sil 2' 2" 2' 0" 0.2
 few clags 2' 2" 2' 0" 0.2
 brn & yellow brn vls sil 2' 2" 2' 0" 0.2
 dk brn & brn vls sil 2' 2" 2' 0" 0.2
 55% to 60% rock clags 2' 2" 2' 0" 0.2
 12.5'

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/8/12	212	4' 9"	9:57	10:14	10:44	30	P
2/8/12	209	4.8' / 12.5'	10:09	10:20	10:49	29	P
2/8/12	208	4.3' / 25'	10:48	10:56	11:15	19	P
2/8/12	212	5' 9"	11:30	11:36	11:44	8	P
2/8/12	211	11'	Visual	Sil low sil 0.8' gap 2.5' to 2' 2"			P
2/8/12	210	5.4' / 12.5'	11:37	11:41	11:45	4	P

REMARKS Trench bottom limited to 5 feet in East portion
 SANITARIAN RB BACKHOE Chuck Zapp OTHERS Cary Cumberland
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE S/W _____

black vgr sil / clags 5' to 8'



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

February 8, 2012

To: Vincent Coleianne, Applicant
410-442-2085 (fax)

RE: Perc Test Report, PROPOSED LOTS 1 AND 2, PROPERTY OF HAZEL P.
ANNIS, [Tax Map 7, Parcel 349; 17415 Frederick Road], receipt numbers A536703
and A536714

Percolation testing was conducted on the referenced property on February 8, 2012. The purpose for conducting these percolation tests was to delineate septic reserve areas for a proposed two-lot subdivision.

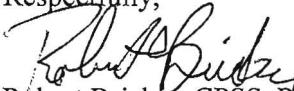
All percolation tests conducted were standard tests, measuring rate of fall for a pre-wet period followed by measurement and recordation of the time required for the water level to drop 1 inch. Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at each of five test locations on each proposed lot. 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 on both proposed lots. On Lot 1, the seasonal water table was observed at 12 feet at both test locations near the lower boundary of the proposed septic reserve area. On Lot 2 the soil profile had rock content greater than 50 percent at 9 feet in the southeast portion of the proposed septic reserve area, thereby limiting the trench bottom in that region to 5 feet depth. The loading rate for Lot 1 is 0.8 gallons per day per square foot of absorption area (gpd/sq.ft.). On Lot 2, the western portion of the septic reserve has a loading rate of 0.6 gpd/sq.ft., and the eastern portion of the septic reserve has a loading rate of 0.8 gpd/sq.ft..

Field data collected are shown on two 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.

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) 313-2691.

Respectfully,


Robert Bricker, CPSS, REHS/RS
Environmental Sanitarian
Well and Septic Program

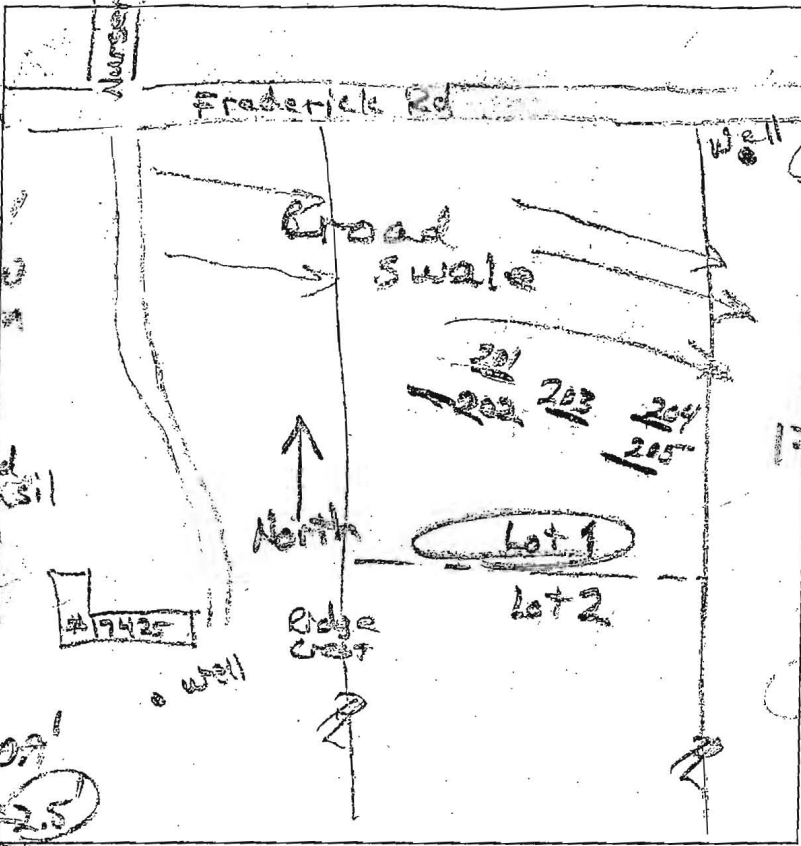
Enclosures (1)

Copy: Scott Shanaberger, Shanaberger & Lane
File

A/P

201
 dk brn loam
 brn loam
 brn ch
 red yellow
 yellow
 ch sil
 brn
 ygr sil & red
 rock
 brn sil
 water
 water channels

202
 dk brn to grey
 brn loam
 pale yellow
 white sil
 red ch sil
 pale yellow
 red white
 grey



204
 dk brn to brn
 loam
 brn ch
 brn loam
 pale red
 yellow yellow
 w/lt grey
 ch sil
 red & yellow
 ch sil & 10% clay
 water

205
 dk brn
 to brn
 yellow
 ch sil
 red yellow
 pale yellow
 ch sil
 yellow
 pale yellow
 ch sil
 yellow yellow red
 pale yellow
 & lt grey sil
 2% sp

206
 dk brn loam
 brn loam
 yellow red
 pale yellow
 ch sil
 brn pale red
 pale yellow
 10% clay
 red yellow
 ch sil
 grey

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
2/10/12	204	12'	Visual		1:05	Side wall pale yellow	P
2/10/12	205	4.8' 12'	1:00	1:03	1:08	5'	P
2/10/12	202	5.1' 12'	1:24	1:30	1:44	14'	P
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REMARKS Trench Bottom limited to 8 feet.

SANITARIAN DR BACKHOE Chuck Rep OTHERS Carly Cumberland

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TRENCH WIDTH 2 INLET DEPTH 2 MAX. BOT DEPTH 8 EFFECTIVE SW Var.