

APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____ AWP 527328

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 _____ 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) David B. Modesitt & Kathleen M. Modesitt T/E

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 6705 Mink Hollow Road Highland Maryland 20777-9765
STREET CITY/TOWN STATE ZIP

APPLICANT FSH Associates

DAYTIME PHONE (410) 567-5200 CELL _____ FAX (410) 796-1562

MAILING ADDRESS 6339 Howard Lane Elkridge Maryland 21075
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 6705 Mink Hollow Road LOT NO. 1

PROPERTY ADDRESS 6705 Mink Hollow Road Highland / 20777
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 21 PARCEL(S) 285 PROPOSED LOT SIZE 5.436 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. Heather Serguee
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-DHMH



APPLICATION

FOR PERCOLATION TESTING AND SITE EVALUATION

TEST DATE(S) _____ TEST TIME _____

(AP) 527328-A

AGENCY REVIEW: _____

DATE _____

DO NOT WRITE ABOVE THIS LINE

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- CONSTRUCT NEW SEPTIC SYSTEM(S)
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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 _____ 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) David B. Modesitt & Kathleen M. Modesitt T/E

DAYTIME PHONE _____ CELL _____ FAX _____

MAILING ADDRESS 6705 Mink Hollow Road Highland Maryland 20777-9765
STREET CITY/TOWN STATE ZIP

APPLICANT FSH Associates

DAYTIME PHONE (410) 567-5200 CELL _____ FAX (410) 796-1562

MAILING ADDRESS 6339 Howard Lane Elkridge Maryland 21075
STREET CITY/TOWN STATE ZIP

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

PROPERTY LOCATION
SUBDIVISION/PROPERTY NAME 6705 Mink Hollow Road LOT NO. 2

PROPERTY ADDRESS 6705 Mink Hollow Road Highland / 20777
STREET TOWN/POST OFFICE

TAX MAP PAGE(S) 34 GRID 21 PARCEL(S) 285 PROPOSED LOT SIZE 1.078act

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.

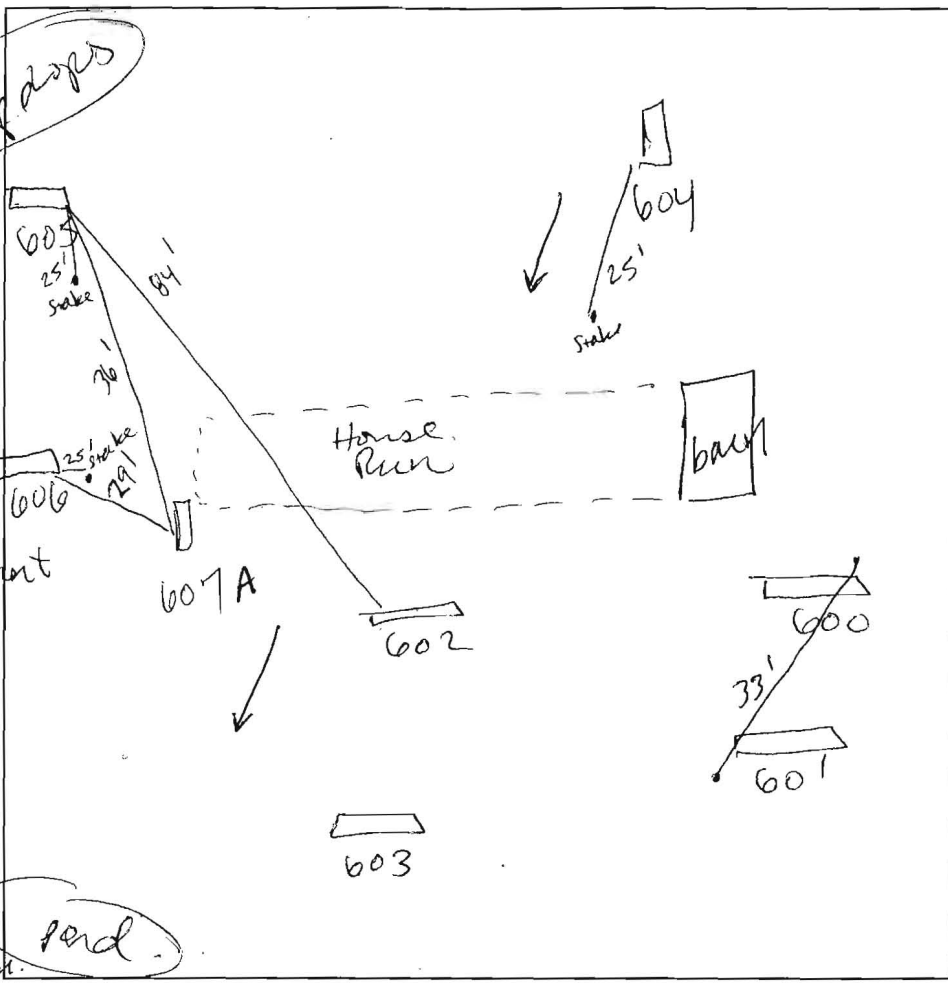
TEST RESULTS WILL BE MAILED TO APPLICANT. Heather Seguel
SIGNATURE OF APPLICANT

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-DHMH

601
 8" brown l sbk
 2-1/2' brown yellow medium s.s. sbk 100% chest / coarse chest
 5-5/8" brown yellow f.s.s. sg 10% coarse chest s.g. platy sticky d(2) gray yellow brown
 6' pale red lumpy texture 15% coarse chest w/ mottles
 11" Despoil
 1/5 H2O level
 12'5"

603
 1-1/2' brown l sbk
 brown yellow fine?
 dark brown, loamy
 brown / yellow brown f.s.s. d(2) mottles
 4-1/2' 35% coarse s.s. chest restrictive layer
 6' yellow brown, d(2) mottles medium s.s. micaceous
 9' cave in
 8-1/2' pale red striations v. micaceous
 10-1/2' H2O
 11"

602
 1' brown l
 light brown coarse s.s. sbk
 2' brown s.s. micaceous dense
 brown coarse s.s. dense chest
 1-1/2' moist strong brown f.s.s. micaceous 30% chest coarse chest easy breaks
 12'



604
 5" brown l sbk
 1-1/2' pale brown l
 3' strong brown dense f.s.s. m
 brown f.s.s. / l.s. sg micaceous
 15% weathered quartz chest coarse chest
 saponite l.s. sg 25% coarse chest

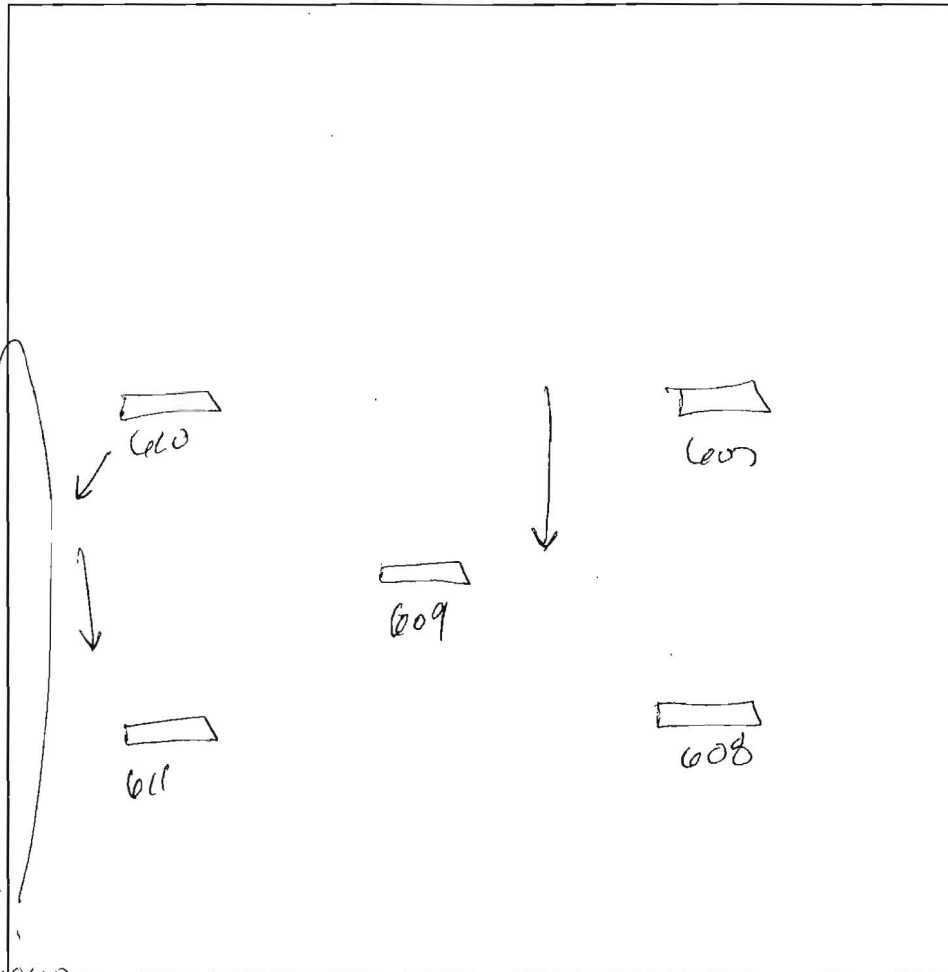
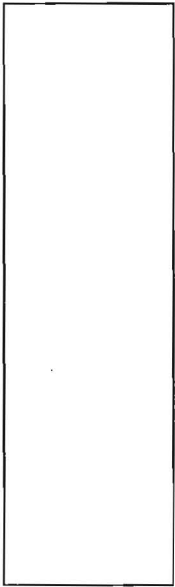
605
 1' brown l sbk
 brown heavy f.s.s. 20% chest 45% flowing
 2-1/2' brown medium s.s. sg micaceous saponite
 9' white weathered f.s.s. v. micaceous
 front back water 10'
 brown l.s. micaceous

606
 15% brown l sbk chest
 1' brown dry fine s.s.
 2-2-1/2' light brown medium s.s. sg micaceous fine roots
 27' brown s.s. sg micaceous saponite damp

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/14/07	601	5'5" / 12'5"	10:37	10:44	10:55	10	P
	603	11'		mottles / H ₂ O			F
	606	5'5" / 12'	11:16	11:19	11:25	6	P
	605	4' / 12'	11:35	11:37	11:39	2	P
	604	4'5" / 13'	11:56	11:57	11:59	2	P
	602	6' / 12'	10:47	11:05		30+	F
	"	6'1/2" / 13'	11:50	11:57	12:12	15	P
	607A	5'1/2" / 13'1/2"	11:22	11:26	11:34	8	P
	600	13'6"		visual			P

REMARKS #605 EA 3' #604 EA 3' #606 EA 4' #601 EA 5'
 SANITARIAN HS/SF/16W BACKHOE K+R OTHERS _____
 TEST HOLES USED IN SDA _____ AVG. PERC TIME 7.1 SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

ex. well okay meets standards
 0.8
 5' 2' etc.



608
brown l
sbk dry
15% chert
brown red
f scl dry
sbk some
micaceous

2'
multicolored
yellow brown
f scl sspidite
5% coarse
chert
brown (multicolored)
f scl sg sspidite
micaceous

609
brown l
dry sbk
10% chert
brown yellow
f scl dry
sbk dense
15% chert

4'5"
brown
f scl very
micaceous
medium
sppidite
decomposing
weathered chert
fine/medium
ls sg

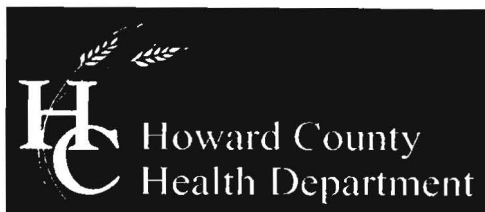
DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
9/14/07	608	3'8"/14'	9:26	9:28	9:30	2	P
	609	5'/13'	9:44	9:45	9:47	2	P
	607	4'4"/13'	9:55	9:56	9:58	2	P
	611	4'12"/13'	9:33	9:34 ²⁵	9:36 ³⁰	2	P
	610	6'1"/14'	9:42 ³⁰	9:44	9:46 ³⁰	2 1/2	P

607
brown l
sbk 10% chert
brown yellow
dry scl
heavy strata
white coarse
weathered very
micaceous
brown
scl
sppidite
brown
fine ls sg
sppidite w/ 10-15%
coarse chert/chert
fss breaks.

610 brown
brown red
coarse scl
sbk
light brown
f scl
sg micaceous
strong brown
f scl
micaceous
-15% rock
chert
fss
sppidite

611
brown
l sbk
brown
fine scl
micaceous
sppidite
dark brown
ls sg
15% chert
sppidite

REMARKS #609 EA 4'5" #607 EA=3' holes deeper plan.
SANITARIAN SF/HS BACKHOE J&K OTHERS _____
TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____



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 20, 2007

David and Kathleen Modesitt
6705 Mink Hollow Rd
Highland, Maryland 20777

RE: PERCOLATION TEST RESULTS – A#527328
6705 Mink Hollow Rd

Dear Mr. and Mrs. Modesitt:

Percolation testing conducted September 14, 2007 on the referenced property indicated both satisfactory and unsatisfactory soil conditions. Limiting factors influencing soil conditions included shallow water tables. Copies of the test results are enclosed.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed house site (55' x 70') or footprint, including building restriction lines as determined by other County agencies, and driveway location
- 3) Existing and proposed property lines
- 4) Proposed well sites. Either 3 well sites with 100-foot setback for each, or one 1500 sq. ft. well box w/elliptical radius of 100' around the entire zone for each proposed lot
- 5) Proposed SDA for each lot
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) A note stating all existing and proposed wells, septic systems and sewage disposal systems located within 200 feet down gradient of existing or proposed septic systems and sewage disposal easements.
- 8) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 9) Topography needs to be shown at 2 foot contour intervals and a note certifying topography was field run and verified and reflects field-matched information
- 10) A note stating, "All wells to be drilled prior to building permit approval. It is the developer's responsibility to schedule the well drilling prior to building permit submission. It will not be considered 'government delay' if the well drilling holds-up the Health Department signature of the permit."
- 11) A MDE sewage disposal area statement is required
- 12) MDE minimum lot width statement
- 13) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 14) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 15) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review
- 16) Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove.' Add to general notes, "structures and septic systems to be removed must be removed prior to final plat approval."

- 17) Add to the end of general note #9 from the percolation application plan "prior to final plat approval"
- 18) A health officer signature block stating "approved for private water and private sewer systems."
- 19) Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- 20) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 21) Name, address and telephone number of each owner, developer and the plan author.
- 22) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

Sara Fegel, R.S.
Well and Septic Program
Development Coordination Section

Enclosures

Cc: Zach Fisch, FSH Associates

September 27, 2007

Ms. Sara Fegel, Registered Sanitarian
Well and Septic Program
Development Coordination Section
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, Maryland 21046

Re: Percolation Test Results
A#527328
6705 Mink Hollow Road

Dear Ms. Fegel:

Enclosed please find a copy of the revised plans and plats and a response to your comments dated September 20, 2007.

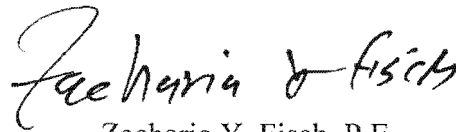
Concerning the Percolation Certification Plan:

1. All excavated test holes have been shown using surveyed location and elevations.
2. The existing house, driveway and all other structures on buildable preservation parcel 'A' are to remain. In addition a proposed house box and driveway location has been shown on proposed lot 1, along with the correctly determined building restriction lines for both.
3. The existing boundary lines and proposed lot lines are shown on the drawing.
4. The existing well for buildable preservation parcel 'A' is to remain. Lot 1 has three well sites with a 100 feet radius.
5. The proposed SDA for buildable preservation parcel 'A' has been adjusted due in part to failed percolation test hole 603. The proposed SDA on lot 1 has not been adjusted since the percolation test holes passed.
6. See general note 5.
7. See general note 13.
8. See general note 14.
9. See general note 10.
10. See general note 15.
11. See general note 4.
12. See general note 9.
13. See general note 11.

14. The identification of stream and pond has been shown on the plan view along with the proper setback. The slopes have been identified on the plan view with a hatch as described in the legend. The soils have also been identified on the plan view with it's correct soil mapping unit for each soils type boundary, and the legend reflects the soils type boundary as described.
15. The legend reflects the plan view, which clearly distinguishes between failed and passed percolation test holes.
16. All on site existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes have been described as to remain or to be removed. See general note 16.
17. See general note 11 for the additional statement added to the end.
18. Please see the lower left corner of the percolation certification plan for the Health officer signature block.
19. Please see directly above the title block for the professional seal and signed statement.
20. Please see that all information is contained with in the title block.
21. Please see to the left of the title block for the owner's and contract purchaser information with a phone number for Ms. Adrienne Davis. The plan author's information is in the appropriate place inside the title block.
22. This information is located inside the title block.

Should you have any questions or comments regarding this matter, please do not hesitate to contact this office.

Sincerely,
FSH Associates



Zacharia Y. Fisch, P.E.

October 23, 2007

Ms. Sara Sappington, Registered Sanitarian
Well and Septic Program
Development Coordination Section
Howard County Health Department
7178 Columbia Gateway Drive
Columbia, Maryland 21046

Re: Percolation Test Results
A#527328
6705 Mink Hollow Road

Dear Ms. Sappington:

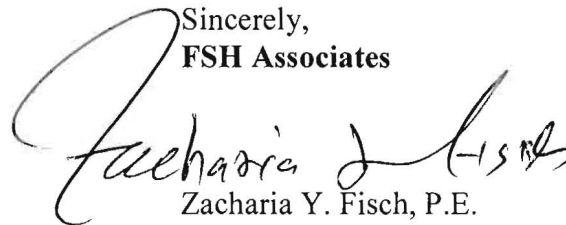
Enclosed please find a copy of the revised plans and plats and a response to your comments dated October 16, 2007.

Concerning the Percolation Certification Plan:

1. All excavated test holes have been shown using actual surveyed location and elevations.
2. A proposed house box and driveway location has been shown on proposed lot 1, along with the correctly determined building restriction lines for both.
3. The existing boundary lines and proposed lot lines are shown on the drawing.
4. The existing well for buildable preservation parcel 'A' is to remain. Along with two additional well sites to be added to buildable preservation parcel 'A'. Lot 1 has three individual well sites. All well sites have been shown with a 100 feet radius around each.
5. The proposed SDA for buildable preservation parcel 'A' has been adjusted due in part to failed percolation test hole 603. The SDA has been adjusted to be above elevation 460 and remain 20 feet from the existing barn to remain and 10 feet from the underground electric line to remain, totaling approximately 4,986 square feet. Additionally a second SDA has been added to buildable preservation parcel 'A' in order to accommodate the required 10,000 square feet. This new SDA has been Percolation tested and all percolation test holes have passed. The proposed SDA on lot 1 has not been adjusted since the percolation test holes passed.
6. See general note 5.
7. See general note 13.
8. See general note 14.
9. See general note 10.

10. See general note 15.
11. See general note 4.
12. See general note 9.
13. See general note 11.
14. The identification of stream and pond has been shown on the plan view along with the proper setback. The slopes have been identified on the plan view with a hatch as described in the legend. The soils have also been identified on the plan view with it's correct soil mapping unit for each soils type boundary, and the legend reflects the soils type boundary as described.
15. The legend reflects the plan view, which clearly distinguishes between failed and passed percolation test holes.
16. All on site existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes have been described as to remain or to be removed. See general note 16.
17. Please see the lower left corner of the percolation certification plan for the Health officer signature block.
18. Please see directly above the title block for the professional seal and signed statement.
19. Please see that all information is contained with in the title block.
20. Please see to the left of the title block for the owner's information with a phone number. The plan author's information is in the appropriate place inside the title block.
21. This information is located inside the title block.

Should you have any questions or comments regarding this matter, please do not hesitate to contact this office.

Sincerely,
FSH Associates

Zacharia Y. Fisch, P.E.

ZYF: hs
CC: File 3504
M:\Mink Hollow 3504\dwg\Perc Cert\FEGEL-response2.doc



Bureau of Environmental Health
7178 Columbia Gateway Drive, Columbia, MD 21046-2147
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TDD (410) 313-2323 Toll Free 1-866-313-6300
website: www.hchealth.org

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

October 16, 2007

Adrienne J. Davis
6437 River Run
Columbia, Maryland 21044-6022

RE: PERCOLATION TEST RESULTS – A#527328
6705 Mink Hollow Rd

Dear Ms. Davis:

Percolation testing conducted on October 9, 2007 on the referenced property indicated satisfactory soil conditions. Copies of the test results are enclosed.

Further review is contingent upon submission of a percolation certification plan showing the following:

- 1) Actual surveyed locations and elevations of all excavated test holes
- 2) Proposed house site (55' x 70') or footprint, including building restriction lines as determined by other County agencies, and driveway location
- 3) Existing and proposed property lines
- 4) Proposed well sites. Either 3 well sites with 100-foot setback for each, or one 1500 sq. ft. well box w/elliptical radius of 100' around the entire zone for each proposed lot
- 5) Proposed SDA for each lot
- 6) A note must be included certifying that all existing wells and septic systems within 100 feet of property boundaries have been shown
- 7) A note stating all existing and proposed wells, septic systems and sewage disposal systems located within 200 feet down gradient of existing or proposed septic systems and sewage disposal easements.
- 8) A note stating the engineer used all reasonable efforts to find the location of all surrounding wells and septic systems
- 9) Topography needs to be shown at 2 foot contour intervals and a note certifying topography was field run and verified and reflects field-matched information
- 10) A note stating, "All wells to be drilled prior to building permit approval. It is the developer's responsibility to schedule the well drilling prior to building permit submission. It will not be considered 'government delay' if the well drilling holds-up the Health Department signature of the permit." *final plat*
- 11) A MDE sewage disposal area statement is required
- 12) MDE minimum lot width statement
- 13) Include the statement, "Any changes to a private sewage easement shall require a revised perc certification plan"
- 14) Identification of streams, ponds, wetlands, floodplains, slopes >25%, soil types and soil type boundaries
- 15) Legend symbols to distinguish between new holes, any existing holes previously documented (by the HCHD), passed holes, failed holes, and any holes held for future review
- 16) Existing structures, wells, septic easements and other septic system components such as tanks, dry wells and distribution boxes. Description of use and intent designated for each item, e.g. 'to remain' or 'remove.' Add to general notes, "structures and septic systems to be removed must be removed prior to final plat approval."
- 17) A health officer signature block stating "approved for private water and private sewer systems."

- 18) Professional seal or signed statement that "I certify that the information shown heron is based on field work performed by me or under my direct supervision, and is correct, to the best of my knowledge and belief."
- 19) Identification of the property, road, street address if applicable, tax map page, parcel number, subdivision name (if appropriate); add purpose statement as appropriate, e.g. subdivision, SDA adjustment, percolation certification plan etc
- 20) Name, address and telephone number of each owner, developer and the plan author.
- 21) The date the plan was drawn, the plan scale (1:30 - 1:100), a scaled vicinity map and, the A # (percolation test fee receipt number, referenced in the HCHD correspondence)

If you have any questions regarding this matter, please contact me at the above address or by calling (410) 313-4261.

Sincerely,

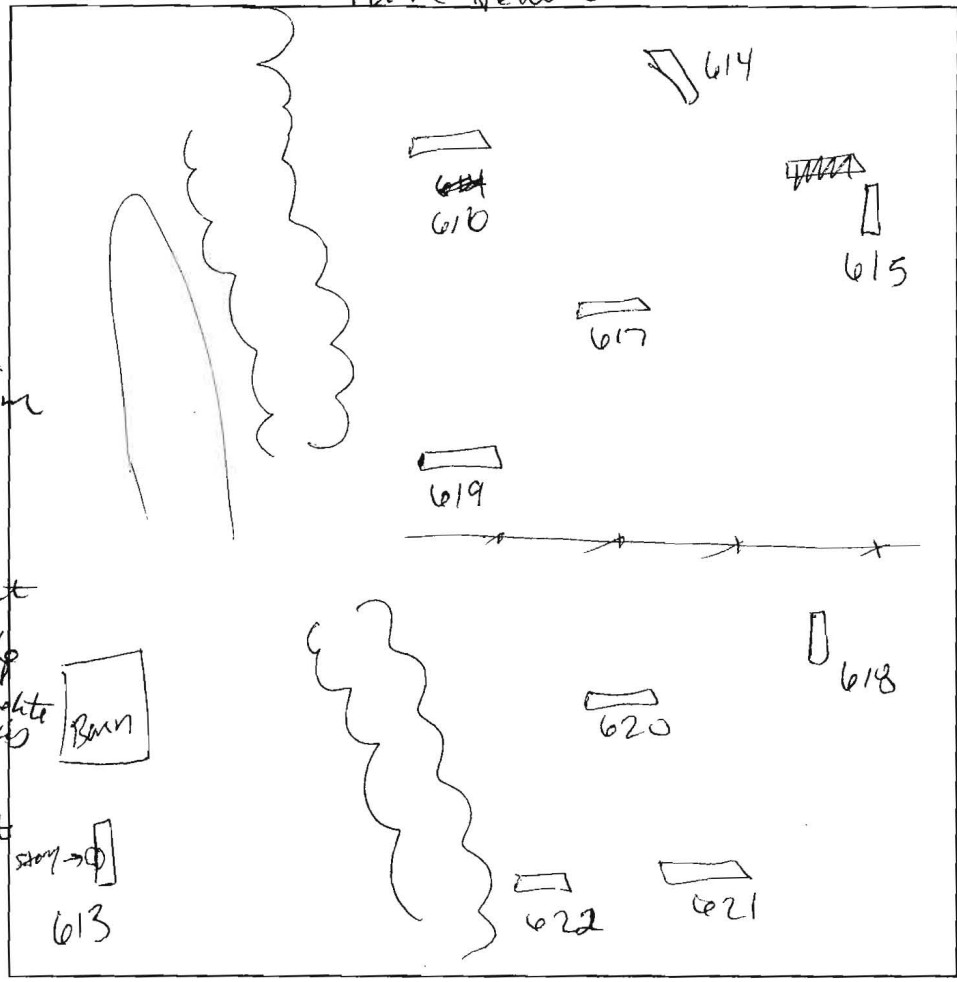
Sara Sappington, R.S.
Well and Septic Program
Development Coordination Section

Enclosures

Mink Hollow

AP

617



613
brown & Hsk 10% chert
brown in sel m
2 1/2' brown heavy s&l medium 210% chert micaceous
4' brown S&l medium 15-20% chert micaceous
@ 4' layer in oi down coarse mica pale brown
16' brown/pale red 10% chert s&l mica
621
1' brown & skk 20% chert
red brown in dense sel micaceous
3'5' multicolor (st. brown, yellow brown) medium sil/f&sl s&prillite chert mica
25' st. brown fine s&l/RS s&prillite mica
14' 618
618
1' brown & skk
1' brown red medium s&l skk
2' brown yellow strong brown s&l/f&sl micaceous s&prillite 15% chert
11' refusal s&prillite breaks in hand

2' brown red & skk roots 20% chert
45' brown dense s&l medium micaceous
brown medium sil/f&sl micaceous s&prillite 15% chert
↓ s&l
3' brown/brown red s&l/RS veins micaceous
1' brown & skk 15% chert
3' brown yellow dense sel heavy s&l (dense) 15% chert
3' light brown medium s&l s&prillite heavy in ground
3'9' brown s&l s&prillite 15% chert (micaceous)
brown red/pale red damp medium s&l brown yellow s&prillite micaceous

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/9/07	621	6' / 14'	10:41 ⁵⁰	10:43 ⁵⁰	10:46	3	P
	618	4'5" / 11'	10:57	10:59	11:00		
	"	"	11:01	11:03	11:05	2	P
	617	5' / 14'	11:24	11:29	11:36	7	P
	614	5'3" / 14'	11:51	11:53	11:57	4	P
	613	5'5" / 16'	12:25	12:28	12:32	4	P

REMARKS holes dug per plan dry
 SANITARIAN S&H/S BACKHOE K&K OTHERS Long + Foster
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

A/P

620

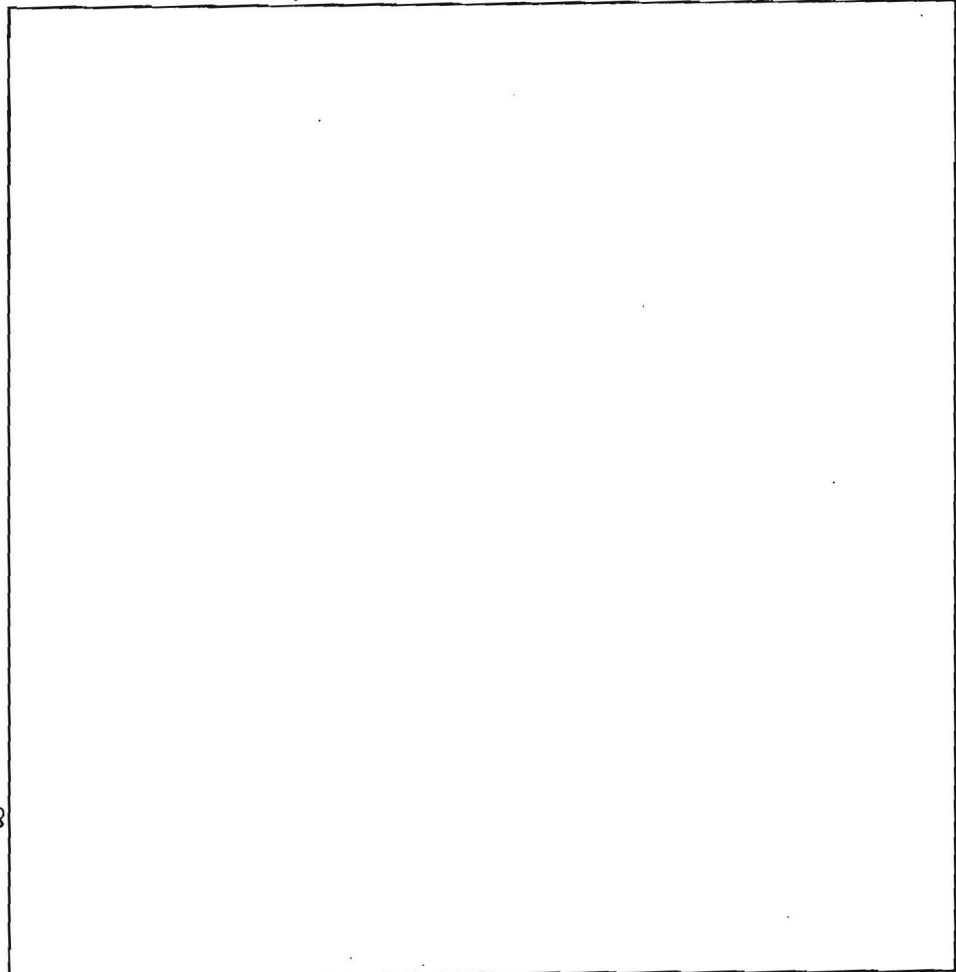
1' brn l sbk
 red brn scl sbk micaceous
 3' brn fsl micaceous ~25% channery
 }
 tan fsl ~35% channery micaceous
 13.5'

622

1.5' red brn l fsl sbk 30% cobbles
 pl red brn scl micaceous
 3.5' lt brn fsl ~45% channery micaceous
 10' pink fsl micaceous 30% saprolite moist

619

1.5' roots
 lt brn l sbk few boulders
 tan v fsl / lg ~35% channery ~15% chert / flags
 dry, dense
 9' brn fsl micaceous ~40% rock (weakly cemented)
 13' Saprolite



616

1' brn l heavy sbk
 dense brn scl ~15% rock micaceous
 5.5' brn scl micaceous ~20% rock
 } ~10% cherts
 12.5' ~35% weakly cemented rock

615

1' red brn l fsl sbk
 red brn sbk fsl micaceous
 3' ~20% channery
 lt brn med scl micaceous
 }
 brn fsl micaceous cherts
 14' ~15% cobbles ~30% saprolite

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
10/9/07	620	4.5' / 13.5'	10:38	10:43	10:48	5	P
	622	5' / 13'	10:51	10:57	11:11	14	P
	619	7' / 13'	11:15	11:18	11:21	3	P
	616	6.9' / 12.5'	11:35	11:37	11:40	3	P
	615	14'	visual				P

REMARKS holes dug per plan
 SANITARIAN HS/SF BACKHOE Kettermans OTHERS Long & Foster
 TEST HOLES USED IN SDA _____ AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

