

Bureau of Environmental Health
 7178 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

Maura J. Rossman, M.D., Health Officer

APPLICATION
FOR PERCOLATION TESTING AND SITE EVALUATION

A545009

PROPERTY LOCATION

SUBDIVISION/PROPERTY NAME MCMANUS PROPERTY LOT # _____

PROPERTY ADDRESS 2050 MT VIEW RD
STREET TOWN ZIP

TAX ACCOUNT # 298949 TAX MAP 15 GRID 6 PARCEL 105 ZONING DESIGNATION RR-DEO

PROPERTY OWNER(S) MARY ELLEN & WILSON P MCMANUS

DAYTIME PHONE _____ CELL _____ EMAIL _____

MAILING ADDRESS 1301 YORK ROAD STE 108 LUTHERVILLE, MD 21104
STREET CITY, STATE ZIP

APPLICANT NORM LENNON RELATIONSHIP TO OWNER: BUILDER

DAYTIME PHONE _____ CELL 443-742-6652 EMAIL NTLENNONFBNC@GMAIL.COM

MAILING ADDRESS 7553 NORRIS AVE. SYKESVILLE, MD 21784
STREET CITY, STATE ZIP

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

BUILDING:

- RESIDENTIAL WITH 3 EXISTING OR PROPOSED BEDROOMS IN THE COMPLETED STRUCTURE
- COMMERCIAL (PROVIDE DETAIL OF TYPE OF USE AND NUMBERS OF EMPLOYEES/CUSTOMERS ON ACCOMPANYING PLAN)

PROPERTY:

- SUBDIVISION: NUMBER OF LOTS INCLUDING RESIDUE: _____
- CONSTRUCT NEW OSDS ON UNDEVELOPED LOT
- REPAIR OR REPLACE FAILING OSDS
- UPGRADE EXISTING OSDS

IS THE PROPERTY WITHIN 2500 FEET OF ANY RESERVOIR?

- YES
- NO

AS APPLICANT, I UNDERSTAND THE FOLLOWING:

- **THIS APPLICATION IS VALID FOR TWO(2) YEARS FROM DATE OF FEE PAYMENT AND APPROVAL IS BASED UPON HEALTH OFFICER SIGNATURE OF A PERC CERTIFICATION PLAN PRIOR TO EXPIRATION OF THIS PERMIT.**
- **THE APPLICATION FEE IS NON-REFUNDABLE**
- THIS APPLICATION MUST BE ACCOMPANIED BY ALL APPLICABLE FEES AND A SUITABLE SITE PLAN IN ORDER TO BE PROCESSED
- THIS IS A PUBLIC DOCUMENT

I declare and affirm that to the best of my knowledge, the information contained herein is correct. I declare that I am the owner of the property or duly authorized to make this application on behalf of the owner. I agree to comply with all applicable state and county regulations.

By signature of this application, I hereby grant Howard County Health Department officials the right to enter onto the property for the purpose of inspecting the property as directly related to the requested permit/service.

SIGNATURE OF APPLICANT

DATE

2050 Mount View
Primary Residence



AP
2005
dk grey brn L 0.3'
brn L 3.5'
brn chsl 4'
yel & red ls micaceous 4'
yel-brn ls micaceous 5.5'
red tan & blk ls 7'
10% stones & flags 7'
brn chsl 10.5'
3 vcpl, 10% flags, black coats 10.5'
14'

2006
0.5' grey-brn L
2.5' brn L 2 f sbk
3' brn grsl
10.7' red & yellow lfs, many mica
brn fls micaceous
12'

2008
0.5' dk brn L
1.5' brn L 2 f sbk
2.5' brn L 7 f sbk
3.5' brn chsl few mica
6.5' red & yel lfs many mica
6.5' red & ht grey lfs, many mica
9.5' brn & blk ls 10% channers
12'

2007
0.4' grey-brn L
2.5' brn L, 2 msbk
3.5' red & yel fsl common mica
9' red & yel lfs many mica
12' yel-red ffs 1 vcpl 10% flags

2009
0.16' grey-brn L
1.4' brn L 3 f sbk
2' yel-brn L 3 msbk
3' yel-red L 2 f sbk
3.8' yel-brn ls many mica
7.7' red & ht grey ls, many mica
12.5' ht grey brn lfs, many mica
1 fpl
c2p (dk brn)
c3p

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/7/13	2005	14'	Visual	Soil profile 4' buffer - OK			P
5/7/13	2006	12'	Visual	Sidewall 2.5'-6.5' 1.2 gpd / ft ²			P
5/7/13	2008	5 1/2'	10:40	10:42	10:45	3	P
5/7/13	2009	5.5' / 12.5'	11:06	11:08	11:11	3	P
5/7/13	2007	4.2' / 12'	11:34	11:36	11:39	3	P

REMARKS: Septage pit 10' deep; (scum layer) solution level at 2' below soil surface

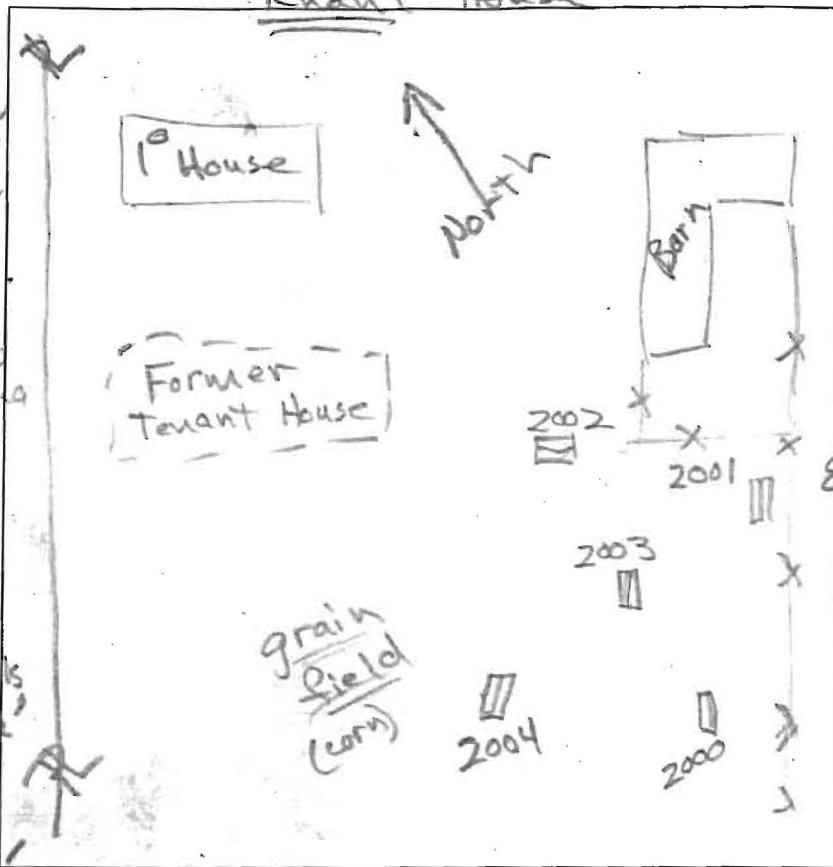
SANITARIAN R Bricker BACKHOE Jeff Allen OTHERS Norm Lennon

TEST HOLES USED IN SDA 2006, 2007, 2008, 2009 AVG. PERC TIME SQ. FT/BR

TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SAW

2050 Mount View Rd.
Tenant House

AP



2000

0.7' dk brn L
 1.5' yel-brn L
 3msbk
 3.5' yel-red L
 2msbk to Øm
 4.5' brn chsl
 2 fpl, dense
 red & yel
 lfs, many mica
 8.5' grey brn lfs
 10% channels
 many mica
 11' H, grey
 chls
 many mica
 12'

2002

0.8' dk brn L
 1.3' brn loam
 3msbk
 3' yel-red L
 1msbk
 3' brn & yellow
 gr sl low mica
 3.6' yellow & red
 lfs, many mica
 7' brn lfs
 many mica
 interlayered
 grey-brn chls
 & many mica
 13.2'

2004

0.8' dk brn L
 1.5' brn L, 3msbk
 3.5' brn L, 1msbk to Øm
 red & yel
 sl, low mica
 4.3' red & yel lfs
 many mica
 11' red chls
 12.5'

2003

0.5' dk brn L
 1.7' brn L
 4' brn chsl
 2 m pl
 11' red & yel lfs
 many mica
 12' brn chls
 many mica

2001

0.6' dk brn L
 2' yel-red L
 3msbk
 to 2msbk
 3.5' yel-red L
 1msbk to Øm
 4' brn sl
 Øm
 11' red & yellow
 lfs, many mica
 12' chls
 red & grey-brn
 many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
5/7/13	2002	4.8' / 13.2'	9:20	9:23	9:28	5	P
5/7/13	2004	5.5' / 12.5'	9:33	9:35	9:38	3	P
5/7/13	2000	5.3' / 11'	9:45	9:47	9:50	3	P
5/7/13	2001	5.3' / 12'	10:13	10:19	10:31	12	P
5/7/13	2003	12'	Visual	Sidewall	1.7' - 2.2'	1.2 gpd / 2.2'	P

REMARKS
 SANITARIAN R Kricker BACKHOE Jeff Allen OTHERS Norm Lennon
 TEST HOLES USED IN SDA 2000 to 2004 AVG. PERC TIME _____ SQ. FT/BR _____
 TRENCH WIDTH _____ INLET DEPTH _____ MAX. BOT DEPTH _____ EFFECTIVE SW _____

2050 Mount View Rd.
Tenant House

AP

2002

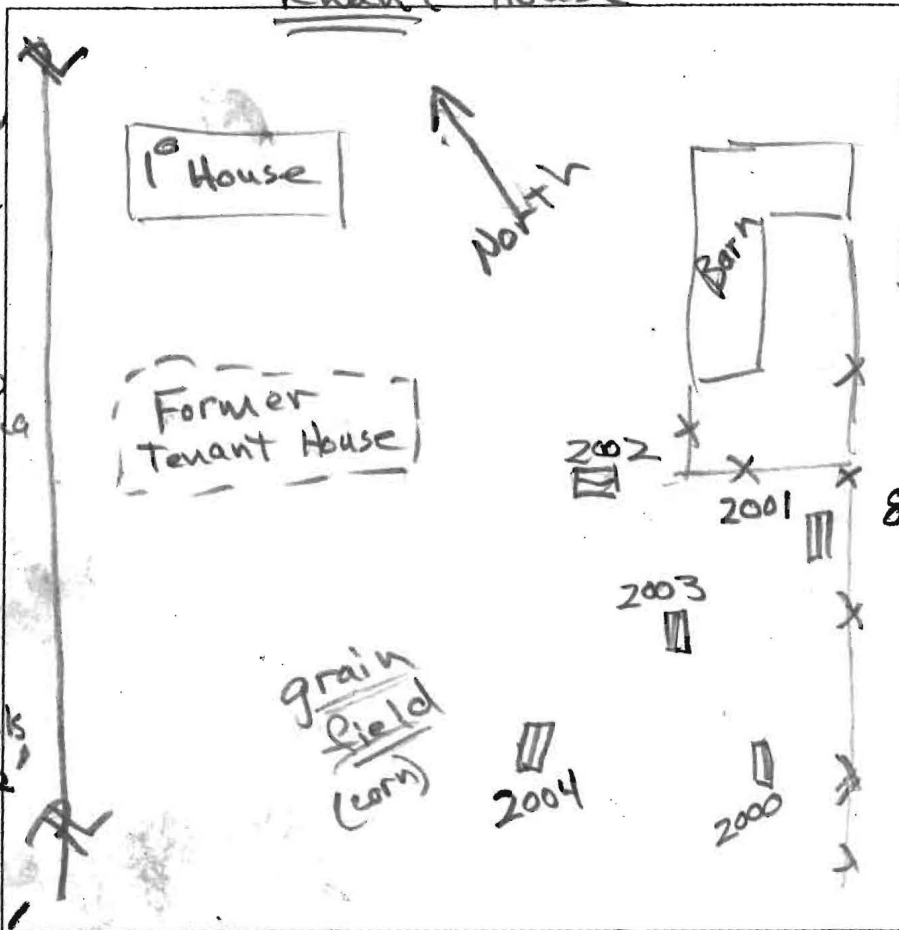
dk brn L 0.8
brn loam 3msbk 1.3
yel-red L 1
1msbk 3
brn & yellow gr sl low mica 3
yellow & red lfs, many mica 7
brn lfs many mica 7
interlayered grey-brn chls & many mica 13.2

2004

dk brn L 0.8
brn L, 3msbk 1.5
brn L, 1msbk to 2m 3.5
red & yel sl, sm, low mica 4.3
red & yel lfs many mica 5.1

2003

dk brn L 0.5
brn L 1.7
brn chsl 2 m pl 4
red & yel lfs many mica 11
brn chls many mica 12



2000

0.7' dk brn L
1.5' yel-brn L 3msbk
3.5' yel-red L 2msbk to 2m
4.5' brn chsl 2 fpl, dense
8.5' red & yel lfs, many mica
10' grey brn lfs 10% channels many mica
11' H. grey chls many mica
12'

2001

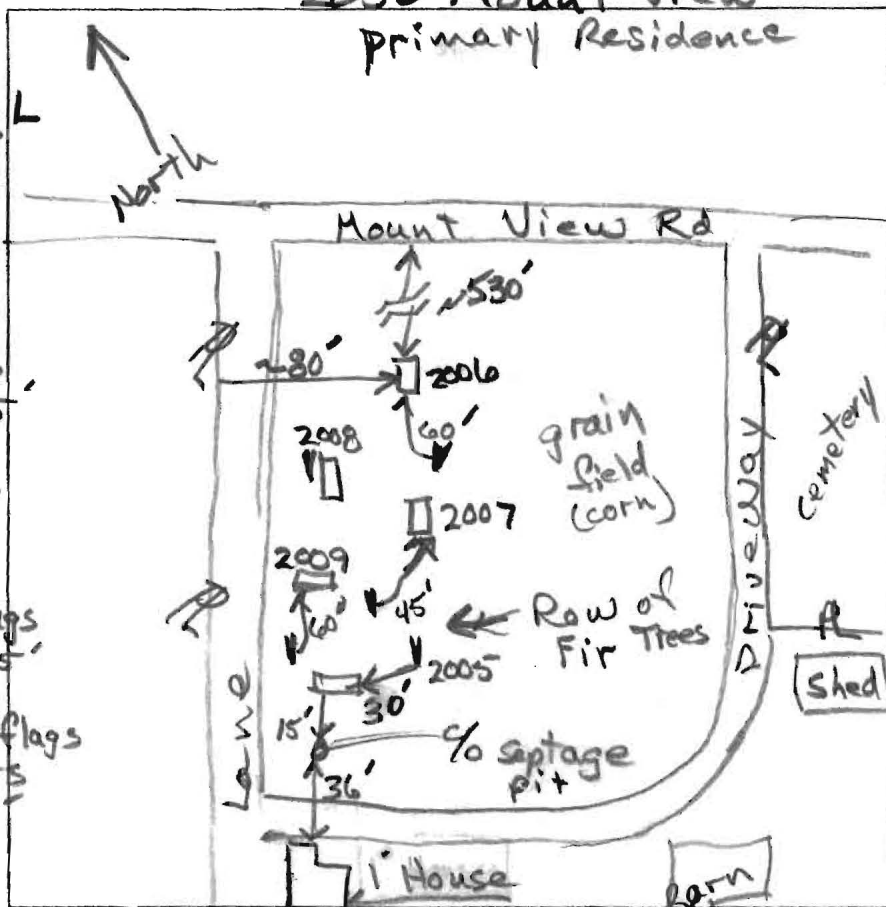
0.6' dk brn L
2' yel-red L 3msbk to 2msbk
3.5' yel-red L 1msbk to 2m
4' brn sl 2m
11' red & yellow lfs, many mica
12' chls red & grey-brn many mica

DATE	TEST #	DEPTH	START	BREAK 1" DROP	STOP 2" DROP	TIME OF 2ND INCH	P/F/H
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5/7/13	2001	5.3' / 12'	10:13	10:19	10:31	12	P
5/7/13	2003	12'	Visual	sidewall 1.7' - 8'		1.2 gpd / r. 2'	P

REMARKS _____
 SANITARIAN R Bricker BACKHOE Jeff Allen OTHERS Norm Lennon
 TEST HOLES USED IN SDA 2000 To 2004 AVG. PERC TIME _____ SQ. FT/BR _____
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2050 Mount View

Primary Residence



N/P

2005

- dk grey brn 0.3'
- brn L 3.5'
- brn chsl 4'
- yel & red ls micaceous 4'
- yel-brn ls micaceous 5.5'
- red tan & blk ls 7'
- 10% stones & flags 7'
- brn chsl 10.5'
- 3 vcpl, 10% flags, black coats 10.5'

2009

- grey-brn L 0.6'
- brn L 1.4'
- 3 fsbk 1.4'
- yel-brn L 2'
- 3 msbk 2'
- yel-red L 3'
- 2 fsbk 3'
- yel-brn ls many mica 3.8'
- red & ht grey ls, many mica 7.7'
- ht grey-brn ls, many mica 12.5'
- 1 fpl
- c2p (dk brn)
- c3p

2006

- grey-brn L 0.5'
- brn L 2 fsbk 2.5'
- brn grsl 3'
- red & yellow lfs, many mica 10.7'
- brn fls micaceous 12'

2008

- dk brn L 0.5'
- brn L 2 fsbk 1.5'
- brn L 1 fsbk 2.5'
- brn chsl few mica 3.5'
- red & yel lfs many mica 6.5'
- red & ht grey lfs, many mica 9.5'
- brn & blk ls 10% channers 12'

2007

- grey-brn L 0.4'
- brn L, 2 msbk 2.5'
- red & yel fs common mica 3.5'
- red & yel lfs many mica 9'
- yel-red lfs 1vcpl 10% fls 12'

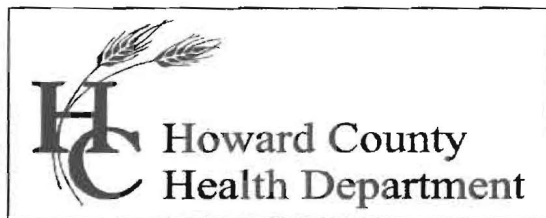
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TRENCH WIDTH INLET DEPTH MAX. BOT DEPTH EFFECTIVE SW



Bureau of Environmental Health

7178 Columbia Gateway Drive, Columbia, MD 21046-2147

Main: 410-313-6300 | Fax: 410-313-6303

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

www.hchealth.org

Facebook: www.facebook.com/hocohealth

Twitter: HowardCoHealthDep

Maura J. Rossman, M.D., Health Officer

May 7, 2013

TO: Norm Lennon, Applicant
ntlennonfbnc@gmail.com

FROM: Robert C. Bricker, CPSS, REHS/R.S.
Bureau of Environmental Health
Well and Septic Program

RE: Perc test report: McManus Property, Tax Map 15 Parcel 105 (2050 Mount View Road)

Percolation testing was conducted on the referenced property on May 7, 2013. The purpose for conducting these percolation tests was to delineate a sewerage disposal area (SDA) in support of anticipated new construction for a tenant house on the property, and to define a SDA for the existing primary residence.

Soil conditions either satisfactory or unsatisfactory for onsite wastewater disposal were observed at each of ten test locations on the subject property. 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. Areas that may be included in a septic reserve are represented by test locations having satisfactory, 'Passing', soil conditions.

The septic reserve area to serve the tenant house may be defined by Passing test locations '2000', '2001', '2002', '2003', and '2004'. Location '2001' was dug several feet uphill of the stake, and the other four pits were dug at the respective staked locations.

The test area for the primary residence SDA was narrowed and shifted about 60 feet to the northeast. This was done to avoid extensive damage to a row of fir trees and to allow for gravity drainage from the residence to the SDA. The proposed SDA can be defined by Passing percolation tests '2006', '2007', '2008', and '2009'. There is a sketch on the Field Data Sheet showing how the locations were shifted. Test location '2005' was dug 15 feet northeast of the cleanout for the 10-foot deep septage pit that serves the primary residence. The soil profile for location '2005' indicates that a 4-foot soil buffer occurs beneath the bottom of the septage pit.

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

While the soil profile ('2005') for the septage pit Passes, the septage pit had a scum layer on solution at a depth of only 2 feet beneath the soil surface. The septage pit has surpassed its usefulness. The Health Department recommends that the septage pit be replaced before a failure and nuisance conditions occur.

The subject property is served by the public water utility, however there is a well on the property that serves the barn. The well must be inspected prior to signature of the Percolation Certification Plan.

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 Health Specialist
Well and Septic Program

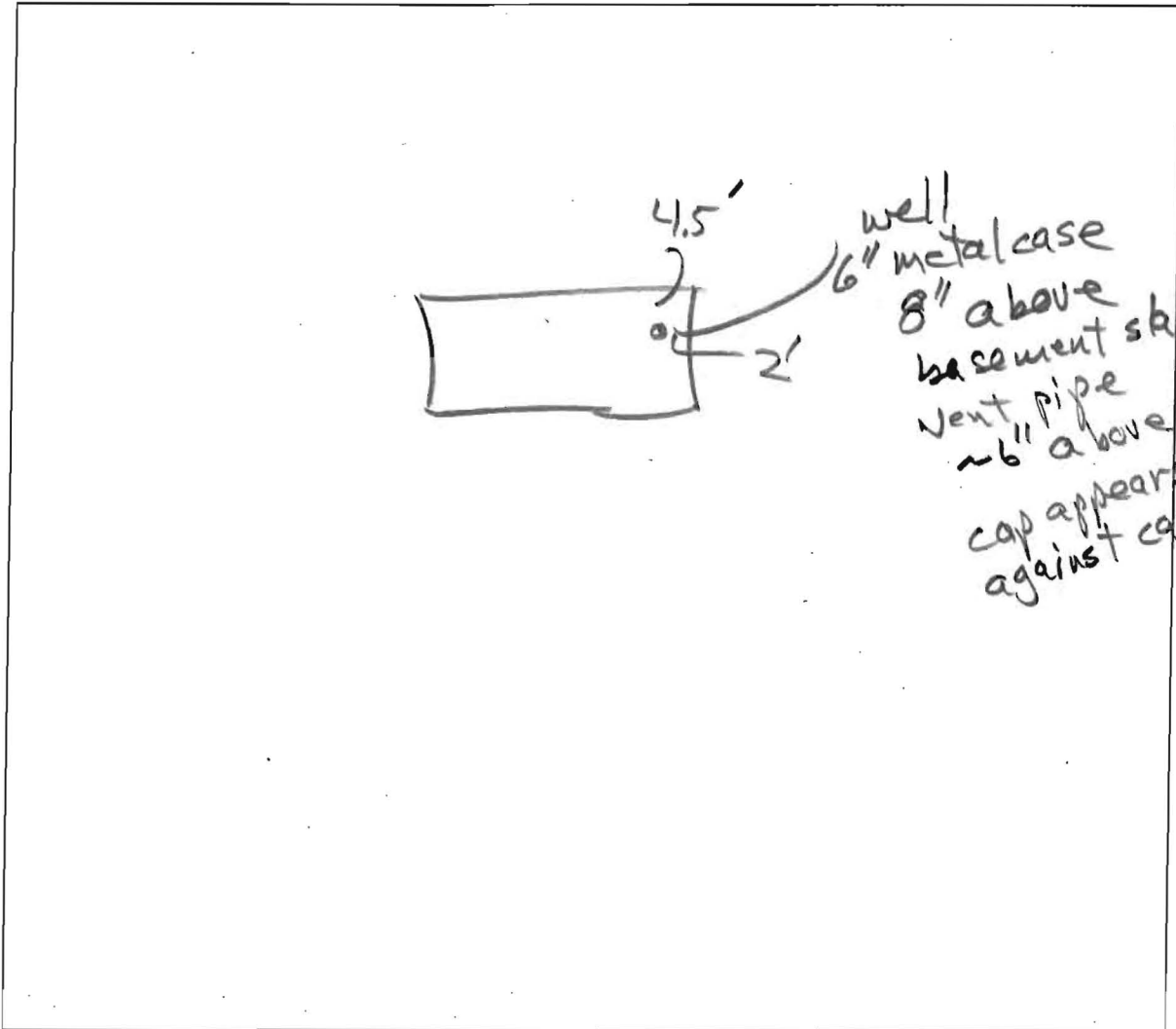
Enclosures (2)

Copy: Tony Fertitta; Fisher, Collins & Carter, Inc.
File

SITE INSPECTION SHEET

OWNER: _____ PHONE #: _____
ADDRESS: 2050 Mount View Rd CONTRACTOR: _____
WELL TAG #: _____
SUBDIVISION: _____ LOT: _____ COUNTY #: _____
PROPOSAL: _____

LOCATION DIAGRAM



COMMENTS: Mr Schmidt allowed access, "Well is for use at the barn." Well is located inside foundation walls

DATE: 5/23/13 INSPECTOR: AB

Bricker, Robert

From: Bricker, Robert
Sent: Friday, May 31, 2013 3:27 PM
To: 'ntlennonfbnc@gmail.com'
Subject: McManus Property well and septic issues

Mr. Lennon,

After review of file content and communications concerning 2050 Mount View Road, we (Bureau of Environmental Health staff) have determined that Kevin Wolf's communication about the existing well at 2050 Mount View Road were in relation to the Demolition Permit and that he was unaware of the well location in the basement of the existing structure. Code of Maryland Annotated Regulations [COMAR, 26.04.04.05A.(2)(b)] specifically states that a well may not be located within or under a building. As the well existing under the primary residence at 2050 Mount View Road occurs on a property for which permits are sought, the Health Department requires that well to be sealed prior to approval of any Building Permit for the property.

Further review of the Health Department records for the subject property show that a septic system was installed in 1988 as a repair to replace the 'cesspool'. I believe the 'cesspool' referenced in that record is the same structure we observed while conducting percolation tests on May 7. The Health Department will require proper abandonment of the 'cesspool' prior to Use and Occupancy of the new tenant house. In essence, a condition will be placed on the Septic System Installation Permit for the new tenant house requiring that the cesspool is abandoned before final approval of that permit.

Before stating this condition on the (McManus Property) Percolation Certification Plan, we need confirmation that the pipe(s) currently emptying into the cesspool can be re-routed to the septic tank and maintain gravity flow.

Please contact me with any questions you may have about these contents.

Robert Bricker, REHS/R.S.

ROBERT BRICKER, CPSS, REHS/RS
ENVIRONMENTAL HEALTH SPECIALIST
DEVELOPMENT COORDINATION SECTION, WELL AND SEPTIC PROGRAM
HOWARD COUNTY BUREAU OF ENVIRONMENTAL HEALTH
7178 COLUMBIA GATEWAY DRIVE
COLUMBIA, MD 21046

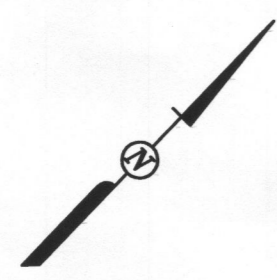
410-313-2691; fax, 410-313-2648
rbricker@howardcountymd.gov

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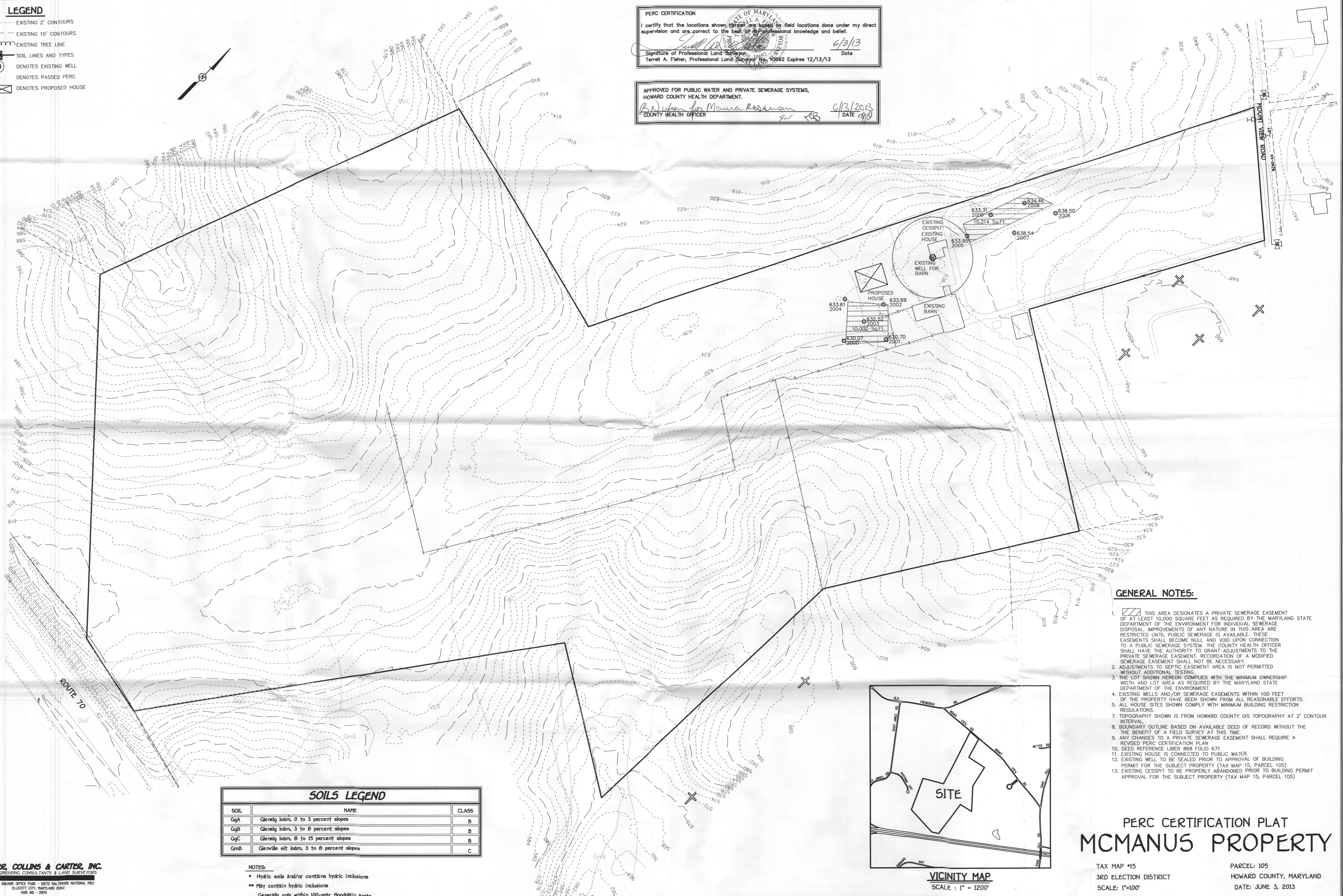
LEGEND

- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- ⊗ DENOTES EXISTING WELL
- ⊙ DENOTES PASSED PERC
- ⊠ DENOTES PROPOSED HOUSE



PERC CERTIFICATION
 I certify that the locations shown herein are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.
 Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *6/13/13*
 Terrell A. Fisher, Professional Land Surveyor No. 10682 Expires 12/13/13

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS,
 HOWARD COUNTY HEALTH DEPARTMENT.
 Signature of County Health Officer: *Monica Redman* Date: *6/13/2013*
 COUNTY HEALTH OFFICER



GENERAL NOTES:

1. THIS AREA DESIGNATES A PRIVATE SEWERAGE EASEMENT OF AT LEAST 10,000 SQUARE FEET AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED UNTIL PUBLIC SEWERAGE IS AVAILABLE. THESE EASEMENTS 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 SEWERAGE EASEMENT. RECORDATION OF A MODIFIED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
2. ADJUSTMENTS TO SEPTIC EASEMENT AREA IS NOT PERMITTED WITHOUT ADDITIONAL TESTING.
3. THE LOT SHOWN HEREON COMPLIES WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND STATE DEPARTMENT OF THE ENVIRONMENT.
4. EXISTING WELLS AND/OR SEWERAGE EASEMENTS WITHIN 100 FEET OF THE PROPERTY HAVE BEEN SHOWN FROM ALL REASONABLE EFFORTS.
5. ALL HOUSE SITES SHOWN COMPLY WITH MINIMUM BUILDING RESTRICTION REGULATIONS.
6. TOPOGRAPHY SHOWN IS FROM HOWARD COUNTY GIS TOPOGRAPHY AT 2' CONTOUR INTERVAL.
7. BOUNDARY OUTLINE BASED ON AVAILABLE DEED OF RECORD WITHOUT THE BENEFIT OF A FIELD SURVEY AT THIS TIME.
8. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERC CERTIFICATION PLAN.
9. DEED REFERENCE LIBER 868 FOLIO 671.
10. EXISTING HOUSE IS CONNECTED TO PUBLIC WATER.
11. EXISTING WELL TO BE SEALED PRIOR TO APPROVAL OF BUILDING PERMIT FOR THE SUBJECT PROPERTY (TAX MAP 15, PARCEL 105).
12. EXISTING CESSPIT TO BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL FOR THE SUBJECT PROPERTY (TAX MAP 15, PARCEL 105).

SOILS LEGEND

SOIL	NAME	CLASS
GgA	Glenelg loam, 0 to 3 percent slopes	B
GgB	Glenelg loam, 3 to 8 percent slopes	B
GgC	Glenelg loam, 8 to 15 percent slopes	B
GmB	Glenville silt loam, 3 to 8 percent slopes	C

NOTES:
 • Hydric soils and/or contains hydric inclusions
 •• May contain hydric inclusions
 Generally only within 100-year floodplain areas



**PERC CERTIFICATION PLAT
 MCMANUS PROPERTY**

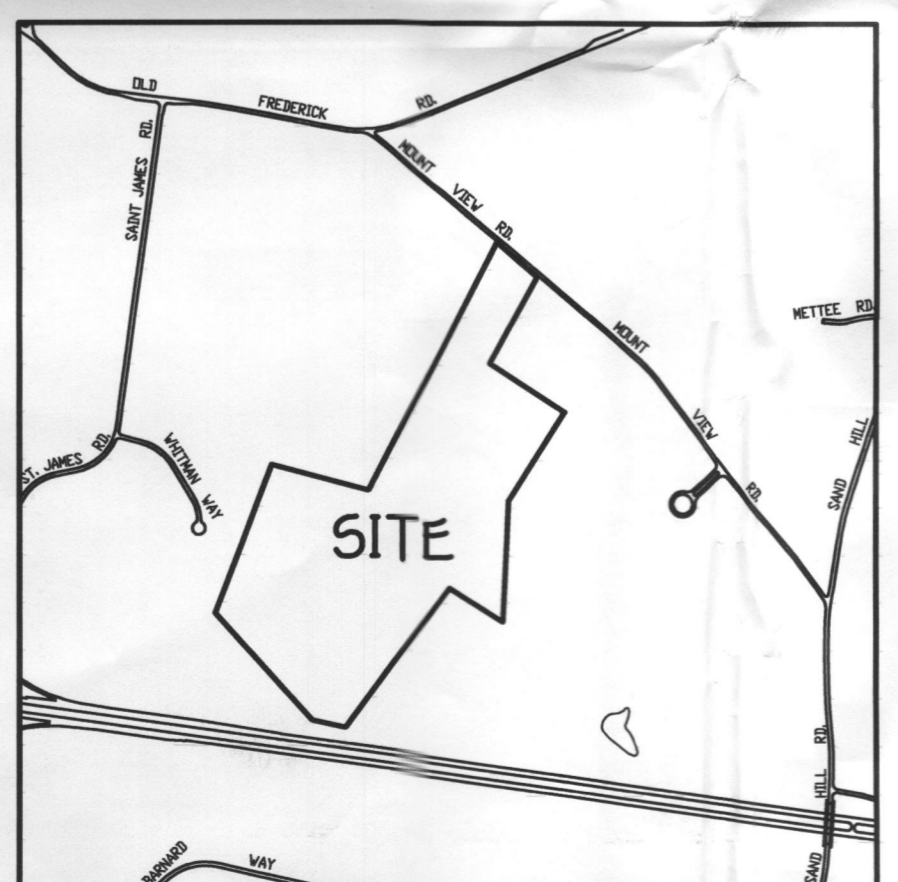
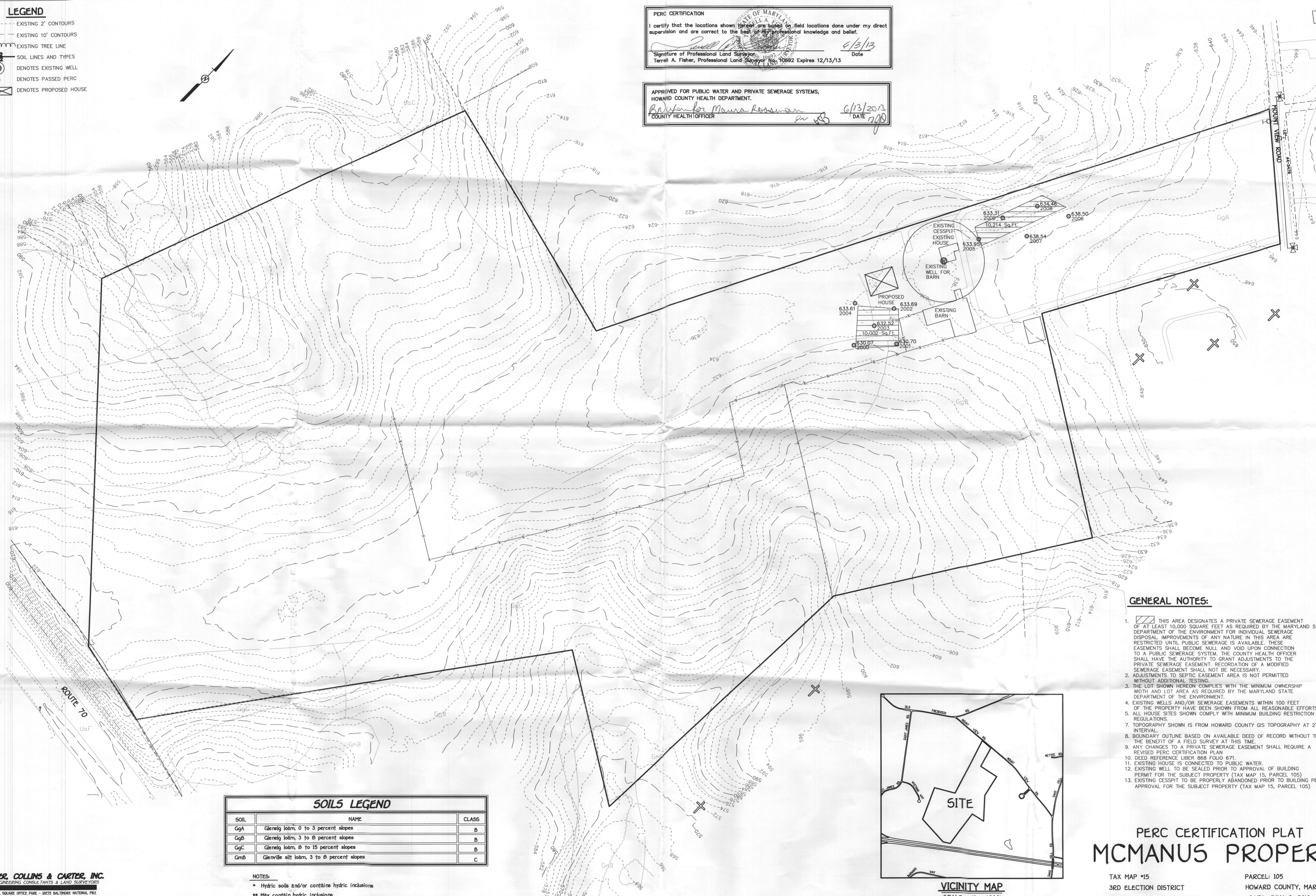
TAX MAP #15 PARCEL: 105
 3RD ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE: 1"=100' DATE: JUNE 3, 2013

LEGEND

- - - - - EXISTING 2' CONTOURS
- - - - - EXISTING 10' CONTOURS
- EXISTING TREE LINE
- SOIL LINES AND TYPES
- EXISTING WELL
- DENOTES PASSED PERC
- ⊠ DENOTES PROPOSED HOUSE

PERC CERTIFICATION
 I certify that the locations shown hereon are based on field locations done under my direct supervision and are correct to the best of my professional knowledge and belief.
 Signature of Professional Land Surveyor: *Terrell A. Fisher* Date: *6/13/13*
 Terrell A. Fisher, Professional Land Surveyor No. 10692 Expires 12/13/13

APPROVED FOR PUBLIC WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT.
 Signature of *Maura Rosaman* Date: *6/13/2013*
 COUNTY HEALTH OFFICER



SOILS LEGEND

SOIL	NAME	CLASS
GgA	Glenelg loam, 0 to 3 percent slopes	B
GgB	Glenelg loam, 3 to 8 percent slopes	B
GgC	Glenelg loam, 8 to 15 percent slopes	B
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9. DEED REFERENCE LIBER 868 FOLIO 671.
10. EXISTING HOUSE IS CONNECTED TO PUBLIC WATER.
11. EXISTING WELL TO BE SEALED PRIOR TO APPROVAL OF BUILDING PERMIT FOR THE SUBJECT PROPERTY (TAX MAP 15, PARCEL 105).
12. EXISTING CESSPIT TO BE PROPERLY ABANDONED PRIOR TO BUILDING PERMIT APPROVAL FOR THE SUBJECT PROPERTY (TAX MAP 15, PARCEL 105).

**PERC CERTIFICATION PLAT
 MCMANUS PROPERTY**

TAX MAP #15
 3RD ELECTION DISTRICT
 SCALE: 1"=100'

PARCEL: 105
 HOWARD COUNTY, MARYLAND
 DATE: JUNE 3, 2013

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